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## EDITORIAL NOTICE

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## ERRATA

*MPC* Line  
46508 25 to 26 The observations attributed to Pluto refer to a star.  
49223 4 Add Measurers NEAT Team, M. Meyer.

## NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 49221. The longitudes  $\lambda$  are measured in degrees eastward from Greenwich, and the parallax constants  $\rho \cos \phi'$  and  $\rho \sin \phi'$  are the product of the geocentric distance (in earth equatorial radii) and the cosine and sine, respectively, of the geocentric latitude.

| Obs. | $\lambda$ | $\rho \cos \phi'$ | $\rho \sin \phi'$ |                                    |
|------|-----------|-------------------|-------------------|------------------------------------|
| A21  | 8.0581    | 0.63667           | +0.76862          | Irmtraut                           |
| A36  | 9.7911    | 0.69856           | +0.71340          | Ganda di Aviatico                  |
| A39  | 12.4200   | 0.63082           | +0.77337          | Altenburg                          |
| E17  | 150.3417  | 0.8329            | -0.5519           | Leura                              |
| G76  | 242.4178  | 0.83388           | +0.55015          | Altimira Observatory, Coto de Caza |
| J56  | 344.4536  | 0.88416           | +0.46624          | Observatorio La Avejerrilla        |

## CORRECTED OBSERVATIONS

The following observations correct those previously published.

| Object  | Date             | UT | $\alpha_{2000}$ | $\delta_{2000}$ | Reference        | Mag. | N Obs. |
|---------|------------------|----|-----------------|-----------------|------------------|------|--------|
| 1986 QM | 1993 05 23.54028 |    | 15 13 34.35     | -21 22 20.5     | <i>MPS</i> 29398 |      | 1 260  |
| 1986 QM | 1993 05 23.58195 |    | 15 13 31.87     | -21 22 08.7     | <i>MPS</i> 29398 |      | 1 260  |
| 1988 NE | 1988 07 10.24167 |    | 18 34 05.94     | +00 22 52.3     | <i>MPC</i> 13396 |      | 261    |
| 1988 NE | 1988 07 10.27986 |    | 18 34 07.05     | +00 23 23.9     | <i>MPC</i> 13396 |      | 261    |

|                        |                  |              |              |                  |        |       |
|------------------------|------------------|--------------|--------------|------------------|--------|-------|
| 1989 DB                | 1993 05 23.54028 | 15 16 57.69  | -20 39 02.9  | <i>MPS</i> 17311 |        | 1 260 |
| 1989 DB                | 1993 05 23.58195 | 15 16 55.21  | -20 38 57.9  | <i>MPS</i> 17311 |        | 1 260 |
| 1990 SK <sub>28</sub>  | 1993 05 23.54028 | 15 20 58.20  | -22 17 04.8  | <i>MPS</i> 29400 |        | 1 260 |
| 1990 SK <sub>28</sub>  | 1993 05 23.58195 | 15 20 55.74  | -22 16 55.4  | <i>MPS</i> 29400 |        | 1 260 |
| 1990 TJ <sub>4</sub>   | 1993 05 23.54028 | 15 34 34.32  | -18 00 29.5  | <i>MPS</i> 29841 |        | 1 260 |
| 1990 TJ <sub>4</sub>   | 1993 05 23.58195 | 15 34 32.02  | -18 00 19.1  | <i>MPS</i> 29841 |        | 1 260 |
| 1998 FG <sub>2</sub>   | 2001 04 18.52265 | 14 52 39.702 | -24 51 13.77 | <i>MPS</i> 29876 | 20.3 R | 568   |
| 1998 FG <sub>2</sub>   | 2001 04 18.52536 | 14 52 39.182 | -24 51 12.81 | <i>MPS</i> 29876 | 20.3 R | 568   |
| 1998 TV <sub>33</sub>  | 1993 05 23.54028 | 15 33 56.52  | -17 01 45.5  | <i>MPS</i> 27475 |        | 1 260 |
| 1998 TV <sub>33</sub>  | 1993 05 23.58195 | 15 33 55.19  | -17 01 43.2  | <i>MPS</i> 27475 |        | 1 260 |
| 1999 JR <sub>66</sub>  | 1993 05 23.54028 | 15 33 07.02  | -20 10 04.1  | <i>MPS</i> 56890 |        | 1 260 |
| 1999 JR <sub>66</sub>  | 1993 05 23.58195 | 15 33 05.01  | -20 10 03.4  | <i>MPS</i> 56890 |        | 1 260 |
| 1999 XJ <sub>156</sub> | 1993 05 23.54028 | 15 20 35.03  | -17 05 47.7  | <i>MPS</i> 19118 |        | 1 260 |
| 1999 XJ <sub>156</sub> | 1993 05 23.58195 | 15 20 33.80  | -17 05 41.5  | <i>MPS</i> 19118 |        | 1 260 |
| 2000 HJ <sub>53</sub>  | 1993 05 23.54028 | 15 15 48.24  | -18 04 50.8  | <i>MPS</i> 65684 |        | 1 260 |
| 2000 HJ <sub>53</sub>  | 1993 05 23.58195 | 15 15 45.55  | -18 04 47.8  | <i>MPS</i> 65684 |        | 1 260 |
| 2000 QU <sub>202</sub> | 1993 05 23.54028 | 15 39 19.93  | -21 53 26.0  | <i>MPS</i> 75762 |        | 1 260 |
| 2000 QU <sub>202</sub> | 1993 05 23.58195 | 15 39 17.10  | -21 53 26.8  | <i>MPS</i> 75762 |        | 1 260 |
| 2001 HG <sub>31</sub>  | 2001 05 26.18146 | 14 02 16.87  | -13 52 51.5  | <i>MPS</i> 54952 | 20.2 V | 1 291 |
| 2001 HG <sub>31</sub>  | 2001 05 26.20660 | 14 02 15.84  | -13 52 48.8  | <i>MPS</i> 54952 | 20.0 V | 1 291 |
| 2001 HG <sub>31</sub>  | 2001 05 26.22788 | 14 02 14.99  | -13 52 46.7  | <i>MPS</i> 54952 | 20.0 V | 1 291 |
| 2001 OP <sub>66</sub>  | 1993 05 23.54028 | 15 31 03.39  | -22 03 48.9  | <i>MPS</i> 37712 |        | 1 260 |
| 2001 OP <sub>66</sub>  | 1993 05 23.58195 | 15 31 00.49  | -22 03 52.7  | <i>MPS</i> 37712 |        | 1 260 |
| 2001 SL <sub>9</sub>   | 2003 08 10.87605 | 17 16 26.69  | +39 29 36.7  | <i>MPS</i> 82880 | 18.5 V | 240   |
| 2001 SL <sub>9</sub>   | 2003 08 10.87750 | 17 16 26.86  | +39 29 33.1  | <i>MPS</i> 82880 | 18.9 V | 240   |
| 2001 SL <sub>9</sub>   | 2003 08 10.88112 | 17 16 27.31  | +39 29 24.0  | <i>MPS</i> 82880 | 18.7 V | 240   |
| 2001 SL <sub>9</sub>   | 2003 08 10.88329 | 17 16 27.60  | +39 29 19.0  | <i>MPS</i> 82880 | 19.0 V | 240   |
| 2001 SL <sub>9</sub>   | 2003 08 10.88618 | 17 16 27.96  | +39 29 12.0  | <i>MPS</i> 82880 | 18.6 V | 240   |
| 2002 QF <sub>15</sub>  | 2003 08 10.96856 | 00 45 55.48  | +56 32 59.1  | <i>MPS</i> 82895 | 18.3 V | 1 240 |
| 2003 FY <sub>102</sub> | 2003 04 01.92786 | 12 28 31.14  | -10 04 44.8  | <i>MPS</i> 76431 | 20.5   | 461   |
| 2003 FY <sub>102</sub> | 2003 04 01.93146 | 12 28 31.00  | -10 04 43.5  | <i>MPS</i> 76431 |        | 461   |
| 2003 FY <sub>102</sub> | 2003 04 01.93505 | 12 28 30.69  | -10 04 41.1  | <i>MPS</i> 76431 |        | 461   |
| 2003 FY <sub>102</sub> | 2003 04 01.93866 | 12 28 30.47  | -10 04 38.8  | <i>MPS</i> 76431 |        | 461   |
| 2003 FY <sub>102</sub> | 2003 04 01.96538 | 12 28 29.05  | -10 04 30.9  | <i>MPS</i> 76431 |        | 461   |
| 2003 FY <sub>102</sub> | 2003 04 01.97744 | 12 28 28.34  | -10 04 25.6  | <i>MPS</i> 76431 |        | 461   |
| 2003 KP <sub>2</sub>   | 2003 08 10.89533 | 16 31 24.59  | +63 49 08.1  | <i>MPC</i> 82909 | 17.9 V | 1 240 |

|                       |                  |             |             |                  |      |   |       |
|-----------------------|------------------|-------------|-------------|------------------|------|---|-------|
| 2003 KP <sub>2</sub>  | 2003 08 10.90072 | 16 31 23.76 | +63 49 06.5 | <i>MPS</i> 82909 | 17.8 | V | 240   |
| 2003 KP <sub>2</sub>  | 2003 08 10.90701 | 16 31 22.81 | +63 49 04.7 | <i>MPS</i> 82909 | 18.0 | V | 1 240 |
| 2003 MA               | 2003 06 20.85309 | 14 12 08.53 | +19 22 55.9 | <i>MPS</i> 81591 | 18.6 | V | 2 589 |
| 2003 MA               | 2003 06 20.85493 | 14 12 08.77 | +19 22 45.9 | <i>MPS</i> 81591 | 18.4 | V | 2 589 |
| 2003 MA               | 2003 06 20.85676 | 14 12 08.81 | +19 22 37.4 | <i>MPS</i> 81591 | 18.6 | V | 2 589 |
| 2003 MA               | 2003 06 20.89775 | 14 12 10.18 | +19 18 55.5 | <i>MPS</i> 81591 | 18.7 | V | 2 589 |
| 2003 MA               | 2003 06 20.89958 | 14 12 10.30 | +19 18 43.2 | <i>MPS</i> 81591 | 18.9 | V | 2 589 |
| 2003 MA               | 2003 06 20.91583 | 14 12 10.97 | +19 17 15.7 | <i>MPS</i> 81591 | 18.6 | V | 2 589 |
| 2003 MA               | 2003 06 20.92133 | 14 12 11.12 | +19 16 42.1 | <i>MPS</i> 81591 | 18.3 | V | 2 589 |
| 2003 MA               | 2003 06 20.92866 | 14 12 11.57 | +19 15 59.0 | <i>MPS</i> 81591 | 18.1 | V | 2 589 |
| 2003 QV <sub>69</sub> | 2003 08 25.96884 | 22 48 17.34 | -04 05 27.8 | <i>MPS</i> 83522 | 19.5 | R | 461   |
| 2003 QV <sub>69</sub> | 2003 08 25.97172 | 22 48 17.22 | -04 05 28.0 | <i>MPS</i> 83522 |      |   | 461   |
| 2003 QV <sub>69</sub> | 2003 08 25.97462 | 22 48 17.06 | -04 05 29.0 | <i>MPS</i> 83522 |      |   | 461   |
| 3222 T-1              | 1993 05 23.54028 | 15 15 44.22 | -17 44 52.1 | <i>MPS</i> 20329 |      |   | 1 260 |
| 3222 T-1              | 1993 05 23.58195 | 15 15 41.34 | -17 44 38.4 | <i>MPS</i> 20329 |      |   | 1 260 |
| (54509)               | 2003 07 29.90734 | 19 18 33.41 | +22 09 40.5 | <i>MPS</i> 82575 | 15.5 | R | 1 557 |
| (54509)               | 2003 07 29.91306 | 19 18 34.89 | +22 07 14.6 | <i>MPS</i> 82575 | 15.8 | R | 1 557 |
| (54509)               | 2003 07 29.91760 | 19 18 36.07 | +22 05 18.5 | <i>MPS</i> 82575 | 15.5 | R | 1 557 |
| (54509)               | 2003 07 29.92469 | 19 18 37.90 | +22 02 18.1 | <i>MPS</i> 82575 | 15.4 | R | 1 557 |

Note 1: Time changed. 2: Originally published with incorrect observatory code. 1986 QM = (24650). 1989 DB = (23456). 1990 SK<sub>28</sub> = (24697). 1990 TJ<sub>4</sub> = (52294). 1998 TV<sub>33</sub> = (23939). 1999 JR<sub>66</sub> = (49651). 1999 XJ<sub>156</sub> = (18060). 2000 HJ<sub>53</sub> = (51150). 2001 OP<sub>66</sub> = (54891). 3222 T-1 = (18229).

### DELETED OBSERVATION

The following observation is to be deleted.

| Object               | Date             | UT          | $\alpha_{2000}$ | $\delta_{2000}$  | Reference | Obs. |
|----------------------|------------------|-------------|-----------------|------------------|-----------|------|
| 2001 SL <sub>9</sub> | 2002 10 04.78907 | 21 20 21.58 | +13 46 34.7     | <i>MPS</i> 63227 |           | J87  |

### IDENTIFICATION CHANGES

Continuation to *MPC* 49222.

| Object                | Date               | UT          | $\alpha_{2000}$ | $\delta_{2000}$       | Originally | Mag. | N Obs. |
|-----------------------|--------------------|-------------|-----------------|-----------------------|------------|------|--------|
| 1953 TA <sub>4</sub>  | * 1953 10 08.22014 | 22 38 18.39 | +17 04 28.2     | 2000 JL <sub>24</sub> |            |      | 261    |
| 1953 TA <sub>4</sub>  | 1953 10 08.25139   | 22 38 18.13 | +17 04 04.5     | 2000 JL <sub>24</sub> |            |      | 261    |
| 1986 WG <sub>11</sub> | * 1986 11 28.98537 | 04 07 27.71 | +19 38 50.8     | 1986 WY               |            |      | 046    |
| 1986 WG <sub>11</sub> | 1986 11 28.99961   | 04 07 26.92 | +19 38 52.2     | 1986 WY               |            |      | 046    |
| 1990 WK <sub>16</sub> | * 1990 11 20.11944 | 03 39 39.16 | +07 20 42.6     | 1990 WB <sub>1</sub>  |            |      | 809    |
| 1990 WK <sub>16</sub> | 1990 11 20.13264   | 03 39 38.47 | +07 20 37.1     | 1990 WB <sub>1</sub>  |            |      | 809    |
| 1990 WK <sub>16</sub> | 1990 11 20.14583   | 03 39 37.89 | +07 20 35.5     | 1990 WB <sub>1</sub>  |            |      | 809    |
| 1991 FB <sub>7</sub>  | * 1991 03 18.33333 | 12 35 40.37 | +07 48 37.9     | 2002 CR <sub>85</sub> |            |      | 261    |
| 1991 FB <sub>7</sub>  | 1991 03 18.39583   | 12 35 37.77 | +07 49 04.9     | 2002 CR <sub>85</sub> |            |      | 261    |
| 1991 RL <sub>42</sub> | * 1991 09 09.46071 | 01 02 45.17 | +06 10 05.6     | 2001 YJ <sub>47</sub> | 19.7       | V    | 691    |
| 1991 RL <sub>42</sub> | 1991 09 09.47633   | 01 02 44.63 | +06 10 03.7     | 2001 YJ <sub>47</sub> |            |      | 691    |
| 1991 RL <sub>42</sub> | 1991 09 09.49124   | 01 02 44.15 | +06 10 01.7     | 2001 YJ <sub>47</sub> |            |      | 691    |
| 1992 WH <sub>10</sub> | * 1992 11 25.08766 | 03 15 50.30 | +21 53 03.7     | 2000 YA <sub>40</sub> |            |      | 691    |
| 1992 WH <sub>10</sub> | 1992 11 25.11177   | 03 15 48.90 | +21 52 53.4     | 2000 YA <sub>40</sub> | 19.1       | V    | 691    |
| 1992 WH <sub>10</sub> | 1992 11 25.13667   | 03 15 47.41 | +21 52 41.7     | 2000 YA <sub>40</sub> |            |      | 691    |
| 1993 BV <sub>15</sub> | * 1993 01 26.34147 | 09 03 16.66 | +21 04 16.6     | 2001 YJ <sub>47</sub> |            |      | 691    |
| 1993 BV <sub>15</sub> | 1993 01 26.37640   | 09 03 14.85 | +21 04 25.8     | 2001 YJ <sub>47</sub> | 19.5       | V    | 691    |

|                        |                    |             |             |                        |      |   |     |
|------------------------|--------------------|-------------|-------------|------------------------|------|---|-----|
| 1993 BV <sub>15</sub>  | 1993 01 26.41045   | 09 03 13.10 | +21 04 35.1 | 2001 YJ <sub>47</sub>  |      |   | 691 |
| 1993 TT <sub>48</sub>  | * 1993 10 11.21736 | 01 43 31.44 | +03 27 03.0 | 1993 TP <sub>35</sub>  | 18.6 |   | 809 |
| 1993 TT <sub>48</sub>  | 1993 10 11.23056   | 01 43 30.58 | +03 27 00.4 | 1993 TP <sub>35</sub>  |      |   | 809 |
| 1993 TT <sub>48</sub>  | 1993 10 11.24375   | 01 43 29.86 | +03 26 58.8 | 1993 TP <sub>35</sub>  |      |   | 809 |
| 1993 TU <sub>48</sub>  | * 1993 10 13.32782 | 03 03 42.52 | +22 44 47.8 | 1993 TJ <sub>5</sub>   |      |   | 691 |
| 1993 TU <sub>48</sub>  | 1993 10 13.33720   | 03 03 42.04 | +22 44 46.5 | 1993 TJ <sub>5</sub>   | 20.5 | V | 691 |
| 1993 TU <sub>48</sub>  | 1993 10 13.34648   | 03 03 41.58 | +22 44 46.6 | 1993 TJ <sub>5</sub>   |      |   | 691 |
| 1994 BV <sub>5</sub>   | * 1994 01 16.48416 | 10 17 27.27 | +08 58 16.7 | 2001 DM <sub>83</sub>  |      |   | 691 |
| 1994 BV <sub>5</sub>   | 1994 01 16.49980   | 10 17 26.86 | +08 58 20.0 | 2001 DM <sub>83</sub>  | 20.8 | V | 691 |
| 1994 BV <sub>5</sub>   | 1994 01 16.51507   | 10 17 26.41 | +08 58 23.0 | 2001 DM <sub>83</sub>  |      |   | 691 |
| 1994 JW <sub>9</sub>   | * 1994 05 10.22505 | 14 41 25.62 | -16 32 42.7 | 1995 VH <sub>18</sub>  |      |   | 691 |
| 1994 JW <sub>9</sub>   | 1994 05 10.29240   | 14 41 21.89 | -16 32 24.1 | 1995 VH <sub>18</sub>  |      |   | 691 |
| 1994 JW <sub>9</sub>   | 1994 05 10.33782   | 14 41 19.33 | -16 32 11.8 | 1995 VH <sub>18</sub>  | 19.6 | V | 691 |
| 1994 LR <sub>10</sub>  | * 1994 06 09.40881 | 21 49 40.20 | -10 21 18.4 | 1999 VO <sub>59</sub>  |      |   | 691 |
| 1994 LR <sub>10</sub>  | 1994 06 09.43224   | 21 49 41.14 | -10 21 13.3 | 1999 VO <sub>59</sub>  | 20.9 | V | 691 |
| 1994 LR <sub>10</sub>  | 1994 06 09.45572   | 21 49 42.15 | -10 21 08.2 | 1999 VO <sub>59</sub>  |      |   | 691 |
| 1994 PM <sub>40</sub>  | * 1994 08 11.25903 | 22 37 23.52 | -07 19 39.4 | 1994 PU <sub>6</sub>   | 21.0 |   | 809 |
| 1994 PM <sub>40</sub>  | 1994 08 11.27083   | 22 37 22.97 | -07 19 39.1 | 1994 PU <sub>6</sub>   |      |   | 809 |
| 1994 PM <sub>40</sub>  | 1994 08 11.28333   | 22 37 22.44 | -07 19 40.2 | 1994 PU <sub>6</sub>   |      |   | 809 |
| 1994 RS <sub>29</sub>  | * 1994 09 06.12708 | 22 08 11.97 | -12 17 35.7 | 2000 GS <sub>13</sub>  | 19.2 |   | 809 |
| 1994 RS <sub>29</sub>  | 1994 09 06.14028   | 22 08 11.25 | -12 17 40.6 | 2000 GS <sub>13</sub>  |      |   | 809 |
| 1994 RS <sub>29</sub>  | 1994 09 06.15347   | 22 08 10.75 | -12 17 44.8 | 2000 GS <sub>13</sub>  |      |   | 809 |
| 1995 BD <sub>17</sub>  | * 1995 01 31.39847 | 09 09 26.62 | +13 45 19.2 | 2000 GZ <sub>80</sub>  |      |   | 691 |
| 1995 BD <sub>17</sub>  | 1995 01 31.42094   | 09 09 25.11 | +13 45 25.3 | 2000 GZ <sub>80</sub>  | 20.2 | V | 691 |
| 1995 BD <sub>17</sub>  | 1995 01 31.44297   | 09 09 23.79 | +13 45 24.3 | 2000 GZ <sub>80</sub>  |      |   | 691 |
| 1996 TF <sub>69</sub>  | * 1996 10 13.46973 | 00 26 02.80 | +07 47 30.1 | 4046 P-L               | 18.4 | V | 566 |
| 1996 TF <sub>69</sub>  | 1996 10 13.47859   | 00 26 02.24 | +07 47 28.4 | 4046 P-L               | 18.2 | V | 566 |
| 1996 TF <sub>69</sub>  | 1996 10 13.48708   | 00 26 01.76 | +07 47 26.9 | 4046 P-L               | 18.5 | V | 566 |
| 1997 GG <sub>45</sub>  | * 1997 04 02.41271 | 14 48 04.12 | -11 05 37.4 | 4065 T-1               | 19.0 |   | 704 |
| 1997 GG <sub>45</sub>  | 1997 04 02.41288   | 14 48 04.14 | -11 05 36.9 | 4065 T-1               | 19.5 |   | 704 |
| 1997 GG <sub>45</sub>  | 1997 04 02.45438   | 14 48 02.56 | -11 05 30.7 | 4065 T-1               |      |   | 704 |
| 1997 GG <sub>45</sub>  | 1997 04 02.45455   | 14 48 02.61 | -11 05 29.7 | 4065 T-1               |      |   | 704 |
| 1997 JD <sub>19</sub>  | * 1997 05 08.15561 | 12 34 13.27 | -03 25 34.2 | 1997 HN <sub>14</sub>  | 21.6 | V | 691 |
| 1997 JD <sub>19</sub>  | 1997 05 08.17666   | 12 34 12.75 | -03 25 30.6 | 1997 HN <sub>14</sub>  | 21.4 | V | 691 |
| 1997 JD <sub>19</sub>  | 1997 05 08.19750   | 12 34 12.23 | -03 25 27.5 | 1997 HN <sub>14</sub>  | 21.3 | V | 691 |
| 1998 BV <sub>49</sub>  | * 1998 01 25.30018 | 08 55 54.25 | +17 10 13.1 | 1999 JG <sub>69</sub>  | 20.2 | V | 691 |
| 1998 BV <sub>49</sub>  | 1998 01 25.32213   | 08 55 52.85 | +17 10 20.5 | 1999 JG <sub>69</sub>  | 19.9 | V | 691 |
| 1998 BV <sub>49</sub>  | 1998 01 25.34470   | 08 55 51.40 | +17 10 28.2 | 1999 JG <sub>69</sub>  | 20.5 | V | 691 |
| 1998 EG <sub>22</sub>  | * 1998 03 02.17751 | 09 06 47.88 | +17 00 13.3 | 2001 XR <sub>6</sub>   | 20.4 | V | 691 |
| 1998 EG <sub>22</sub>  | 1998 03 02.19946   | 09 06 47.06 | +17 00 17.8 | 2001 XR <sub>6</sub>   | 20.4 | V | 691 |
| 1998 EG <sub>22</sub>  | 1998 03 02.22158   | 09 06 46.23 | +17 00 22.3 | 2001 XR <sub>6</sub>   | 20.2 | V | 691 |
| 1998 QR <sub>111</sub> | * 1998 08 27.30762 | 22 08 38.73 | -14 55 13.2 | 2001 FC <sub>31</sub>  | 18.3 | R | 699 |
| 1998 QR <sub>111</sub> | 1998 08 27.33175   | 22 08 37.51 | -14 55 23.3 | 2001 FC <sub>31</sub>  |      |   | 699 |
| 1998 QR <sub>111</sub> | 1998 08 27.35656   | 22 08 36.23 | -14 55 32.0 | 2001 FC <sub>31</sub>  |      |   | 699 |
| 1998 SQ <sub>171</sub> | * 1998 09 30.17872 | 22 38 34.80 | -02 56 59.3 | 2002 PH <sub>20</sub>  | 20.8 | V | 691 |
| 1998 SQ <sub>171</sub> | 1998 09 30.19965   | 22 38 34.11 | -02 57 04.9 | 2002 PH <sub>20</sub>  | 20.6 | V | 691 |
| 1998 SQ <sub>171</sub> | 1998 09 30.22124   | 22 38 33.45 | -02 57 10.8 | 2002 PH <sub>20</sub>  | 20.9 | V | 691 |
| 1998 SR <sub>171</sub> | * 1998 09 25.23049 | 00 14 38.71 | -00 57 09.7 | 2001 FQ <sub>37</sub>  | 18.5 | R | 699 |
| 1998 SR <sub>171</sub> | 1998 09 25.25282   | 00 14 37.77 | -00 57 23.5 | 2001 FQ <sub>37</sub>  |      |   | 699 |
| 1998 SR <sub>171</sub> | 1998 09 25.27518   | 00 14 36.76 | -00 57 36.4 | 2001 FQ <sub>37</sub>  |      |   | 699 |
| 1999 EF <sub>15</sub>  | * 1999 03 10.34723 | 12 02 42.36 | -00 41 31.3 | 2001 XM <sub>185</sub> | 20.7 | V | 691 |
| 1999 EF <sub>15</sub>  | 1999 03 10.36806   | 12 02 41.46 | -00 41 23.9 | 2001 XM <sub>185</sub> | 21.2 | V | 691 |
| 1999 EF <sub>15</sub>  | 1999 03 10.38999   | 12 02 40.47 | -00 41 15.3 | 2001 XM <sub>185</sub> | 20.5 | V | 691 |

|                        |                    |             |             |                        |        |                        |                    |             |             |                        |        |       |
|------------------------|--------------------|-------------|-------------|------------------------|--------|------------------------|--------------------|-------------|-------------|------------------------|--------|-------|
| 1999 EG <sub>15</sub>  | * 1999 03 12.91466 | 07 02 19.04 | +20 34 28.2 | 2001 TZ <sub>193</sub> | 118    | 2000 GR <sub>186</sub> | 2000 04 06.22331   | 11 49 19.85 | +03 28 22.8 | 2000 DS <sub>110</sub> | 19.6   | 704   |
| 1999 EG <sub>15</sub>  | 1999 03 12.91681   | 07 02 19.10 | +20 34 28.6 | 2001 TZ <sub>193</sub> | 118    | 2000 QX <sub>253</sub> | * 2000 08 26.99485 | 20 32 43.71 | -19 22 26.2 | 2001 XR <sub>6</sub>   | 22.5 R | 807   |
| 1999 EG <sub>15</sub>  | 1999 03 12.92106   | 07 02 19.22 | +20 34 29.0 | 2001 TZ <sub>193</sub> | 118    | 2000 QX <sub>253</sub> | 2000 08 27.06080   | 20 32 41.45 | -19 22 35.0 | 2001 XR <sub>6</sub>   |        | 807   |
| 1999 EG <sub>15</sub>  | 1999 03 12.94837   | 07 02 19.97 | +20 34 32.2 | 2001 TZ <sub>193</sub> | 118    | 2000 SG <sub>372</sub> | * 2000 09 23.20240 | 22 34 15.35 | -03 36 23.5 | 2000 QH <sub>165</sub> | 19.1   | 704   |
| 1999 EG <sub>15</sub>  | 1999 03 12.95879   | 07 02 20.30 | +20 34 32.9 | 2001 TZ <sub>193</sub> | 118    | 2000 SG <sub>372</sub> | 2000 09 23.21103   | 22 34 15.09 | -03 36 26.7 | 2000 QH <sub>165</sub> | 18.7 R | 699   |
| 1999 EG <sub>15</sub>  | 1999 03 12.96564   | 07 02 20.58 | +20 34 34.0 | 2001 TZ <sub>193</sub> | 118    | 2000 SG <sub>372</sub> | 2000 09 23.22649   | 22 34 14.52 | -03 36 34.9 | 2000 QH <sub>165</sub> |        | 699   |
| 1999 PU <sub>8</sub>   | * 1999 08 08.16013 | 20 10 47.31 | -17 52 16.4 | 1999 PJ <sub>7</sub>   | 19.2 V | 2000 SG <sub>372</sub> | 2000 09 23.23161   | 22 34 14.28 | -03 36 38.3 | 2000 QH <sub>165</sub> | 18.9   | 704   |
| 1999 PU <sub>8</sub>   | 1999 08 08.18314   | 20 10 46.11 | -17 52 22.1 | 1999 PJ <sub>7</sub>   | 19.1 V | 2000 SG <sub>372</sub> | 2000 09 23.24190   | 22 34 13.94 | -03 36 43.7 | 2000 QH <sub>165</sub> |        | 699   |
| 1999 PU <sub>8</sub>   | 1999 08 08.20572   | 20 10 44.94 | -17 52 28.4 | 1999 PJ <sub>7</sub>   | 19.0 V | 2000 SG <sub>372</sub> | 2000 09 23.24622   | 22 34 13.73 | -03 36 45.4 | 2000 QH <sub>165</sub> | 19.2   | 704   |
| 1999 RK <sub>258</sub> | * 1999 09 06.34167 | 00 08 27.78 | +01 40 33.5 | 1999 TN <sub>81</sub>  | 19.8 V | 2000 SG <sub>372</sub> | 2000 09 23.25737   | 22 34 13.35 | -03 36 51.9 | 2000 QH <sub>165</sub> |        | 699   |
| 1999 RK <sub>258</sub> | 1999 09 06.36254   | 00 08 26.89 | +01 40 31.7 | 1999 TN <sub>81</sub>  | 19.7 V | 2000 TZ <sub>71</sub>  | * 2000 10 04.33239 | 02 08 03.91 | +02 01 33.8 | 2002 CR <sub>85</sub>  | 19.0   | 704   |
| 1999 RK <sub>258</sub> | 1999 09 06.38342   | 00 08 26.03 | +01 40 29.9 | 1999 TN <sub>81</sub>  | 19.9 V | 2000 TZ <sub>71</sub>  | 2000 10 04.34829   | 02 08 03.28 | +02 01 29.9 | 2002 CR <sub>85</sub>  | 19.2   | 704   |
| 1999 RL <sub>258</sub> | * 1999 09 13.23208 | 23 01 50.90 | -10 06 17.9 | 1999 RH <sub>79</sub>  | 19.5   | 2000 TZ <sub>71</sub>  | 2000 10 04.36375   | 02 08 02.61 | +02 01 24.0 | 2002 CR <sub>85</sub>  | 19.5   | 704   |
| 1999 RL <sub>258</sub> | 1999 09 13.24350   | 23 01 50.23 | -10 06 17.9 | 1999 RH <sub>79</sub>  | 19.3   | 2000 TZ <sub>71</sub>  | 2000 10 04.39410   | 02 08 01.36 | +02 01 15.7 | 2002 CR <sub>85</sub>  | 19.1   | 704   |
| 1999 RL <sub>258</sub> | 1999 09 13.25559   | 23 01 49.61 | -10 06 19.4 | 1999 RH <sub>79</sub>  | 19.4   | 2000 TA <sub>72</sub>  | * 2000 10 01.18842 | 23 56 59.18 | -00 09 28.3 | 2000 SU <sub>197</sub> | 19.7   | 704   |
| 1999 RL <sub>258</sub> | 1999 09 13.26708   | 23 01 49.00 | -10 06 21.2 | 1999 RH <sub>79</sub>  | 19.7   | 2000 TA <sub>72</sub>  | 2000 10 01.20350   | 23 56 58.47 | -00 09 32.7 | 2000 SU <sub>197</sub> | 19.9   | 704   |
| 1999 RL <sub>258</sub> | 1999 09 13.27854   | 23 01 48.39 | -10 06 23.7 | 1999 RH <sub>79</sub>  | 19.9   | 2000 TA <sub>72</sub>  | 2000 10 01.21857   | 23 56 57.70 | -00 09 37.9 | 2000 SU <sub>197</sub> | 19.7   | 704   |
| 1999 TG <sub>328</sub> | * 1999 10 12.37286 | 02 13 58.38 | +12 05 15.0 | 2002 PY <sub>29</sub>  | 19.3 V | 2000 VV <sub>64</sub>  | * 2000 11 03.21240 | 01 57 24.19 | +14 36 13.3 | 2000 VZ <sub>40</sub>  | 19.2   | 704   |
| 1999 TG <sub>328</sub> | 1999 10 12.39474   | 02 13 57.24 | +12 05 06.1 | 2002 PY <sub>29</sub>  | 19.0 V | 2000 VV <sub>64</sub>  | 2000 11 03.22588   | 01 57 23.43 | +14 36 08.9 | 2000 VZ <sub>40</sub>  | 19.5   | 704   |
| 1999 TG <sub>328</sub> | 1999 10 12.41724   | 02 13 56.05 | +12 04 57.1 | 2002 PY <sub>29</sub>  | 19.5 V | 2000 VV <sub>64</sub>  | 2000 11 03.23936   | 01 57 22.65 | +14 36 05.7 | 2000 VZ <sub>40</sub>  | 19.7   | 704   |
| 1999 VB <sub>230</sub> | * 1999 11 04.26021 | 01 27 25.79 | +16 21 07.0 | 1999 TN <sub>320</sub> | 19.5   | 2000 VV <sub>64</sub>  | 2000 11 03.25284   | 01 57 21.90 | +14 36 00.0 | 2000 VZ <sub>40</sub>  | 19.6   | 704   |
| 1999 VB <sub>230</sub> | 1999 11 04.27679   | 01 27 25.10 | +16 21 02.8 | 1999 TN <sub>320</sub> | 19.6   | 2000 WC <sub>196</sub> | * 2000 11 30.32119 | 05 11 22.61 | +30 07 33.2 | 2000 WS <sub>114</sub> | 19.5   | 704   |
| 1999 VB <sub>230</sub> | 1999 11 04.28621   | 01 27 24.78 | +16 20 58.1 | 1999 TN <sub>320</sub> | 19.4 R | 2000 WC <sub>196</sub> | 2000 11 30.35165   | 05 11 20.28 | +30 07 29.4 | 2000 WS <sub>114</sub> | 19.5   | 704   |
| 1999 VB <sub>230</sub> | 1999 11 04.29367   | 01 27 24.43 | +16 20 55.7 | 1999 TN <sub>320</sub> | 19.5   | 2000 WC <sub>196</sub> | 2000 11 30.36672   | 05 11 19.19 | +30 07 27.9 | 2000 WS <sub>114</sub> | 19.6   | 704   |
| 1999 VB <sub>230</sub> | 1999 11 04.30290   | 01 27 23.79 | +16 20 53.6 | 1999 TN <sub>320</sub> | 18.7 R | 2000 XD <sub>55</sub>  | * 2000 12 06.30369 | 06 20 32.87 | +36 19 08.5 | 2000 XS <sub>26</sub>  | 18.4   | 704   |
| 1999 VB <sub>230</sub> | 1999 11 04.31964   | 01 27 23.31 | +16 20 47.0 | 1999 TN <sub>320</sub> | 19.3 R | 2000 XD <sub>55</sub>  | 2000 12 06.31874   | 06 20 32.05 | +36 19 07.6 | 2000 XS <sub>26</sub>  | 18.8   | 704   |
| 1999 VB <sub>230</sub> | 1999 11 04.33634   | 01 27 22.74 | +16 20 40.1 | 1999 TN <sub>320</sub> | 18.9 R | 2000 XD <sub>55</sub>  | 2000 12 06.34886   | 06 20 30.37 | +36 19 04.9 | 2000 XS <sub>26</sub>  | 18.6   | 704   |
| 1999 XB <sub>264</sub> | * 1999 12 08.39246 | 06 36 06.29 | +23 01 57.4 | 2000 AA <sub>43</sub>  | 18.3   | 2000 XD <sub>55</sub>  | 2000 12 06.36393   | 06 20 29.41 | +36 19 03.4 | 2000 XS <sub>26</sub>  | 18.7   | 704   |
| 1999 XB <sub>264</sub> | 1999 12 08.40500   | 06 36 05.66 | +23 02 03.3 | 2000 AA <sub>43</sub>  | 18.2   | 2000 YK <sub>143</sub> | * 2000 12 17.17124 | 03 49 57.13 | +13 07 37.6 | 2000 WU <sub>46</sub>  | 19.8 R | 699   |
| 1999 XB <sub>264</sub> | 1999 12 08.41756   | 06 36 05.10 | +23 02 08.2 | 2000 AA <sub>43</sub>  | 18.7   | 2000 YK <sub>143</sub> | 2000 12 17.19082   | 03 49 56.21 | +13 07 37.8 | 2000 WU <sub>46</sub>  |        | 699   |
| 1999 YB <sub>29</sub>  | * 1999 12 18.32884 | 08 06 42.91 | +22 56 11.7 | 2002 TR <sub>118</sub> | 21.1 V | 2000 YK <sub>143</sub> | 2000 12 17.21048   | 03 49 55.44 | +13 07 37.8 | 2000 WU <sub>46</sub>  |        | 699   |
| 1999 YB <sub>29</sub>  | 1999 12 18.35125   | 08 06 42.08 | +22 56 15.8 | 2002 TR <sub>118</sub> | 21.1 V | 2000 YK <sub>143</sub> | 2000 12 17.23014   | 03 49 54.60 | +13 07 37.6 | 2000 WU <sub>46</sub>  |        | 699   |
| 1999 YB <sub>29</sub>  | 1999 12 18.37375   | 08 06 41.18 | +22 56 19.1 | 2002 TR <sub>118</sub> | 21.6 V | 2000 YL <sub>143</sub> | * 2000 12 30.22918 | 05 18 43.23 | +25 03 12.8 | 2002 EA <sub>26</sub>  | 19.3   | 704   |
| 2000 AA <sub>257</sub> | * 2000 01 06.28765 | 06 19 56.58 | +22 08 29.5 | 2002 PH <sub>20</sub>  | 20.2 V | 2000 YL <sub>143</sub> | 2000 12 30.24461   | 05 18 42.22 | +25 03 15.9 | 2002 EA <sub>26</sub>  | 20.3   | 704   |
| 2000 AA <sub>257</sub> | 2000 01 06.31056   | 06 19 55.23 | +22 08 30.5 | 2002 PH <sub>20</sub>  | 18.7 V | 2000 YL <sub>143</sub> | 2000 12 30.26012   | 05 18 41.28 | +25 03 17.5 | 2002 EA <sub>26</sub>  | 20.1   | 704   |
| 2000 AA <sub>257</sub> | 2000 01 06.33346   | 06 19 53.80 | +22 08 28.9 | 2002 PH <sub>20</sub>  | 19.5 V | 2000 YL <sub>143</sub> | 2000 12 30.27555   | 05 18 40.34 | +25 03 18.0 | 2002 EA <sub>26</sub>  | 19.7   | 704   |
| 2000 AB <sub>257</sub> | * 2000 01 15.34396 | 06 55 50.25 | +23 43 39.5 | 2000 AB <sub>223</sub> | 19.2 V | 2000 YL <sub>143</sub> | 2000 12 30.29100   | 05 18 39.39 | +25 03 20.7 | 2002 EA <sub>26</sub>  | 20.1   | 704   |
| 2000 AB <sub>257</sub> | 2000 01 15.36685   | 06 55 49.08 | +23 43 42.1 | 2000 AB <sub>223</sub> | 19.3 V | 2001 BS <sub>82</sub>  | * 2001 01 23.48035 | 11 24 46.11 | +04 41 26.4 | 2001 BA <sub>81</sub>  | 21.7 V | 691   |
| 2000 AB <sub>257</sub> | 2000 01 15.38951   | 06 55 47.92 | +23 43 44.6 | 2000 AB <sub>223</sub> | 19.7 V | 2001 BS <sub>82</sub>  | 2001 01 23.49095   | 11 24 45.87 | +04 41 27.2 | 2001 BA <sub>81</sub>  | 21.2 V | 691   |
| 2000 BH <sub>52</sub>  | * 2000 01 21.18012 | 05 49 25.11 | +39 38 17.6 | 1999 XF <sub>210</sub> | 17.8   | 2001 BS <sub>82</sub>  | 2001 01 23.50224   | 11 24 45.60 | +04 41 28.3 | 2001 BA <sub>81</sub>  | 21.5 V | 691   |
| 2000 BH <sub>52</sub>  | 2000 01 21.19473   | 05 49 24.62 | +39 38 16.4 | 1999 XF <sub>210</sub> | 18.5   | 2001 BT <sub>82</sub>  | * 2001 01 25.10768 | 02 58 01.69 | +14 53 15.0 | 2000 VH <sub>12</sub>  | 21.9 V | 691   |
| 2000 BH <sub>52</sub>  | 2000 01 21.20938   | 05 49 24.21 | +39 38 13.1 | 1999 XF <sub>210</sub> | 18.8   | 2001 BT <sub>82</sub>  | 2001 01 25.11870   | 02 58 02.50 | +14 53 21.9 | 2000 VH <sub>12</sub>  | 21.8 V | 691   |
| 2000 BH <sub>52</sub>  | 2000 01 21.22400   | 05 49 23.69 | +39 38 11.4 | 1999 XF <sub>210</sub> | 19.0   | 2001 BT <sub>82</sub>  | 2001 01 25.13065   | 02 58 03.39 | +14 53 28.9 | 2000 VH <sub>12</sub>  | 21.8 V | 691   |
| 2000 EL <sub>206</sub> | * 2000 03 11.31418 | 11 42 43.75 | +00 51 57.7 | 2000 EU <sub>196</sub> | 19.4   | 2001 BU <sub>82</sub>  | * 2001 01 20.53162 | 09 51 18.51 | -04 36 43.3 | 2001 DU <sub>91</sub>  | 19.6   | 608   |
| 2000 EL <sub>206</sub> | 2000 03 11.32674   | 11 42 43.21 | +00 52 02.9 | 2000 EU <sub>196</sub> | 20.0   | 2001 BU <sub>82</sub>  | 2001 01 20.54168   | 09 51 18.18 | -04 36 41.9 | 2001 DU <sub>91</sub>  | 20.2   | 608   |
| 2000 EL <sub>206</sub> | 2000 03 11.33929   | 11 42 42.67 | +00 52 06.3 | 2000 EU <sub>196</sub> | 20.3   | 2001 BU <sub>82</sub>  | 2001 01 20.55328   | 09 51 17.79 | -04 36 40.8 | 2001 DU <sub>91</sub>  | 20.4   | 608   |
| 2000 GR <sub>186</sub> | * 2000 04 05.19904 | 11 50 01.40 | +03 24 30.2 | 2000 DS <sub>110</sub> | 19.4   | 2001 CW <sub>49</sub>  | * 2001 02 01.43692 | 09 48 02.72 | +16 29 28.4 | 2002 GF <sub>82</sub>  | 21.0 V | 691   |
| 2000 GR <sub>186</sub> | 2000 04 05.21361   | 11 50 00.79 | +03 24 33.2 | 2000 DS <sub>110</sub> | 19.1   | 2001 CW <sub>49</sub>  | 2001 02 01.45893   | 09 48 01.74 | +16 29 38.1 | 2002 GF <sub>82</sub>  | 21.0 V | 691   |
| 2000 GR <sub>186</sub> | 2000 04 05.22820   | 11 50 00.18 | +03 24 35.9 | 2000 DS <sub>110</sub> | 19.7   | 2001 CW <sub>49</sub>  | 2001 02 01.48130   | 09 48 00.70 | +16 29 48.3 | 2002 GF <sub>82</sub>  | 21.8 V | 691   |
| 2000 GR <sub>186</sub> | 2000 04 05.24279   | 11 49 59.53 | +03 24 40.0 | 2000 DS <sub>110</sub> | 19.8   | 2001 EL <sub>27</sub>  | * 2001 03 02.36658 | 12 08 14.03 | -03 08 50.6 | 2002 PY <sub>29</sub>  | 22.5 V | 691   |
| 2000 GR <sub>186</sub> | 2000 04 05.25752   | 11 49 58.94 | +03 24 42.2 | 2000 DS <sub>110</sub> | 19.9   | 2001 EL <sub>27</sub>  | 2001 03 02.37407   | 12 08 13.65 | -03 08 46.8 | 2002 PY <sub>29</sub>  | 22.1 V | 691   |
| 2000 GR <sub>186</sub> | 2000 04 06.19525   | 11 49 20.88 | +03 28 16.3 | 2000 DS <sub>110</sub> | 19.2   | 2001 EL <sub>27</sub>  | 2001 03 02.38201   | 12 08 13.27 | -03 08 44.5 | 2002 PY <sub>29</sub>  | 21.9 V | 691   |
| 2000 GR <sub>186</sub> | 2000 04 06.20928   | 11 49 20.29 | +03 28 19.5 | 2000 DS <sub>110</sub> | 19.8   | 2001 KG <sub>78</sub>  | * 2001 05 24.34843 | 23 19 22.53 | -08 29 03.7 | 2001 SY <sub>11</sub>  | 21.1 R | 1 807 |

|                        |                    |              |              |                        |        |                        |                    |             |             |                        |        |       |
|------------------------|--------------------|--------------|--------------|------------------------|--------|------------------------|--------------------|-------------|-------------|------------------------|--------|-------|
| 2001 KG <sub>78</sub>  | 2001 05 24.41627   | 23 19 27.54  | -08 28 36.5  | 2001 SY <sub>11</sub>  | 1 807  | 2002 CL <sub>312</sub> | 2002 02 20.24216   | 09 55 02.06 | +07 46 05.2 | 2002 CM <sub>131</sub> | 19.8   | 704   |
| 2001 KH <sub>78</sub>  | * 2001 05 24.17410 | 09 56 26.12  | +05 47 47.0  | 2001 DU <sub>91</sub>  | 20.6   | 2002 CL <sub>312</sub> | 2002 02 20.25621   | 09 55 01.22 | +07 46 10.9 | 2002 CM <sub>131</sub> | 20.1   | 704   |
| 2001 KH <sub>78</sub>  | 2001 05 24.18509   | 09 56 26.74  | +05 47 46.2  | 2001 DU <sub>91</sub>  | 20.9   | 2002 CL <sub>312</sub> | 2002 02 20.27033   | 09 55 00.39 | +07 46 17.1 | 2002 CM <sub>131</sub> | 19.5   | 704   |
| 2001 KH <sub>78</sub>  | 2001 05 24.19617   | 09 56 27.40  | +05 47 45.7  | 2001 DU <sub>91</sub>  | 21.1   | 2002 CL <sub>312</sub> | 2002 02 20.28426   | 09 54 59.55 | +07 46 22.1 | 2002 CM <sub>131</sub> | 19.7   | 704   |
| 2001 LU <sub>19</sub>  | * 2001 06 15.02685 | 13 01 57.58  | -07 56 41.2  | 2000 CC <sub>19</sub>  | 808    | 2002 EA <sub>157</sub> | * 2002 03 06.17266 | 06 56 05.81 | +24 36 54.6 | 2002 AN <sub>80</sub>  | 16.4   | 704   |
| 2001 MU <sub>30</sub>  | * 2001 06 18.30179 | 20 02 57.42  | -18 05 43.3  | 1999 AY <sub>18</sub>  | 21.4 V | 2002 EA <sub>157</sub> | 2002 03 06.18598   | 06 56 06.14 | +24 36 54.3 | 2002 AN <sub>80</sub>  | 16.4   | 704   |
| 2001 MU <sub>30</sub>  | 2001 06 18.32403   | 20 02 56.74  | -18 05 45.4  | 1999 AY <sub>18</sub>  | 21.1 V | 2002 EA <sub>157</sub> | 2002 03 06.19983   | 06 56 06.31 | +24 36 53.7 | 2002 AN <sub>80</sub>  | 17.3   | 704   |
| 2001 MU <sub>30</sub>  | 2001 06 18.34596   | 20 02 56.09  | -18 05 47.5  | 1999 AY <sub>18</sub>  | 21.3 V | 2002 EA <sub>157</sub> | 2002 03 06.22646   | 06 56 06.73 | +24 36 53.4 | 2002 AN <sub>80</sub>  | 18.9   | 704   |
| 2001 NW <sub>22</sub>  | * 2001 07 08.24265 | 16 29 32.12  | -03 29 06.0  | 2001 OR <sub>71</sub>  | 19.0   | 2002 FG <sub>40</sub>  | * 2002 03 20.32561 | 12 15 55.94 | -02 05 19.8 | 2002 FC <sub>17</sub>  | 21.2 V | 691   |
| 2001 NW <sub>22</sub>  | 2001 07 08.25395   | 16 29 31.85  | -03 29 12.4  | 2001 OR <sub>71</sub>  | 19.3   | 2002 FG <sub>40</sub>  | 2002 03 20.34664   | 12 15 54.72 | -02 05 12.8 | 2002 FC <sub>17</sub>  | 21.1 V | 691   |
| 2001 NW <sub>22</sub>  | 2001 07 08.26519   | 16 29 31.60  | -03 29 18.1  | 2001 OR <sub>71</sub>  | 20.5   | 2002 FG <sub>40</sub>  | 2002 03 20.37939   | 12 15 52.88 | -02 05 01.5 | 2002 FC <sub>17</sub>  | 20.9 V | 691   |
| 2001 OD <sub>112</sub> | * 2001 07 22.38642 | 23 37 29.28  | +05 05 42.3  | 2001 SZ <sub>88</sub>  | 18.6 R | 2002 GA <sub>178</sub> | * 2002 04 10.19483 | 09 24 55.86 | +18 38 12.8 | 2002 CO <sub>222</sub> | 19.6 R | 1 695 |
| 2001 OD <sub>112</sub> | 2001 07 22.39891   | 23 37 29.36  | +05 05 41.7  | 2001 SZ <sub>88</sub>  | 699    | 2002 GA <sub>178</sub> | 2002 04 10.28816   | 09 24 56.52 | +18 38 08.4 | 2002 CO <sub>222</sub> | 1 695  |       |
| 2001 OD <sub>112</sub> | 2001 07 22.41142   | 23 37 29.63  | +05 05 45.2  | 2001 SZ <sub>88</sub>  | 699    | 2002 GB <sub>178</sub> | * 2002 04 12.16653 | 10 59 30.11 | +05 18 23.2 | 2227 T-2               | 19.0   | 704   |
| 2001 OD <sub>112</sub> | 2001 07 22.42395   | 23 37 29.63  | +05 05 44.3  | 2001 SZ <sub>88</sub>  | 699    | 2002 GB <sub>178</sub> | 2002 04 12.18045   | 10 59 29.57 | +05 18 25.6 | 2227 T-2               | 19.2   | 704   |
| 2001 QA <sub>332</sub> | * 2001 08 25.38065 | 00 10 34.47  | +00 56 50.7  | 2001 QU <sub>240</sub> | 21.3 V | 2002 GB <sub>178</sub> | 2002 04 12.19437   | 10 59 29.05 | +05 18 26.8 | 2227 T-2               | 19.9   | 704   |
| 2001 QA <sub>332</sub> | 2001 08 25.40191   | 00 10 33.71  | +00 56 48.4  | 2001 QU <sub>240</sub> | 21.3 V | 2002 GB <sub>178</sub> | 2002 04 12.20828   | 10 59 28.59 | +05 18 28.9 | 2227 T-2               | 20.1   | 704   |
| 2001 QA <sub>332</sub> | 2001 08 25.42291   | 00 10 32.95  | +00 56 46.4  | 2001 QU <sub>240</sub> | 21.1 V | 2002 NO <sub>57</sub>  | * 2002 07 14.31063 | 21 30 07.78 | -11 04 23.9 | 2002 NR <sub>23</sub>  | 19.4   | 704   |
| 2001 QB <sub>332</sub> | * 2001 08 25.38066 | 00 10 35.15  | +00 56 39.0  | 2001 SG <sub>197</sub> | 20.5 V | 2002 NO <sub>57</sub>  | 2002 07 14.32399   | 21 30 07.25 | -11 04 28.1 | 2002 NR <sub>23</sub>  | 19.5   | 704   |
| 2001 QB <sub>332</sub> | 2001 08 25.40191   | 00 10 34.39  | +00 56 37.4  | 2001 SG <sub>197</sub> | 20.4 V | 2002 NO <sub>57</sub>  | 2002 07 14.33734   | 21 30 06.89 | -11 04 32.0 | 2002 NR <sub>23</sub>  | 19.7   | 704   |
| 2001 QB <sub>332</sub> | 2001 08 25.42292   | 00 10 33.65  | +00 56 35.8  | 2001 SG <sub>197</sub> | 20.7 V | 2002 NO <sub>57</sub>  | 2002 07 14.35069   | 21 30 06.53 | -11 04 36.3 | 2002 NR <sub>23</sub>  | 19.3   | 704   |
| 2001 TC <sub>242</sub> | * 2001 10 11.29167 | 23 41 01.51  | -14 19 39.8  | 2001 QK <sub>109</sub> | 20.1   | 2002 RU <sub>237</sub> | * 2002 09 13.34753 | 00 49 42.14 | -10 11 42.7 | 2002 RF <sub>133</sub> | 19.5   | 704   |
| 2001 TC <sub>242</sub> | 2001 10 11.31221   | 23 41 00.68  | -14 19 38.4  | 2001 QK <sub>109</sub> | 20.4   | 2002 RU <sub>237</sub> | 2002 09 13.36368   | 00 49 41.32 | -10 11 45.6 | 2002 RF <sub>133</sub> | 19.1   | 704   |
| 2001 TC <sub>242</sub> | 2001 10 11.33302   | 23 40 59.81  | -14 19 36.9  | 2001 QK <sub>109</sub> | 20.1   | 2002 RU <sub>237</sub> | 2002 09 13.37909   | 00 49 40.65 | -10 11 47.9 | 2002 RF <sub>133</sub> | 18.8   | 704   |
| 2001 UJ <sub>223</sub> | * 2001 10 18.28156 | 01 10 04.15  | +03 23 37.8  | 2001 SH <sub>229</sub> | 19.8   | 2002 RU <sub>237</sub> | 2002 09 13.39430   | 00 49 39.92 | -10 11 49.3 | 2002 RF <sub>133</sub> | 19.7   | 704   |
| 2001 UJ <sub>223</sub> | 2001 10 18.30196   | 01 10 03.13  | +03 23 30.4  | 2001 SH <sub>229</sub> | 19.8   | 2002 RN <sub>239</sub> | * 2002 09 15.48935 | 00 04 16.32 | -00 47 51.8 | 2002 QY <sub>38</sub>  | 19.7   | 644   |
| 2001 UJ <sub>223</sub> | 2001 10 18.32544   | 01 10 01.95  | +03 23 22.8  | 2001 SH <sub>229</sub> | 19.9   | 2002 RN <sub>239</sub> | 2002 09 15.50011   | 00 04 15.65 | -00 47 54.2 | 2002 QY <sub>38</sub>  | 19.9   | 644   |
| 2001 XM <sub>266</sub> | * 2001 12 14.28097 | 08 13 01.76  | +18 30 48.9  | 2002 AQ <sub>30</sub>  | 20.9 V | 2002 RN <sub>239</sub> | 2002 09 15.51078   | 00 04 15.05 | -00 47 57.6 | 2002 QY <sub>38</sub>  | 20.1   | 644   |
| 2001 XM <sub>266</sub> | 2001 12 14.30173   | 08 13 01.14  | +18 30 48.0  | 2002 AQ <sub>30</sub>  | 20.7 V | 2002 VS <sub>137</sub> | * 2002 11 05.22839 | 01 01 40.74 | +06 05 35.9 | 2002 TB <sub>107</sub> | 19.3 R | 699   |
| 2001 XM <sub>266</sub> | 2001 12 14.32301   | 08 13 00.51  | +18 30 46.6  | 2002 AQ <sub>30</sub>  | 20.9 V | 2002 VS <sub>137</sub> | 2002 11 05.24595   | 01 01 40.27 | +06 05 33.3 | 2002 TB <sub>107</sub> | 699    |       |
| 2001 YO <sub>157</sub> | * 2001 12 19.21861 | 03 54 06.14  | +22 30 51.0  | 2001 XQ <sub>245</sub> | 19.8   | 2002 VS <sub>137</sub> | 2002 11 05.26348   | 01 01 39.42 | +06 05 30.0 | 2002 TB <sub>107</sub> | 699    |       |
| 2001 YO <sub>157</sub> | 2001 12 19.23376   | 03 54 05.42  | +22 30 48.9  | 2001 XQ <sub>245</sub> | 19.9   | 2002 VS <sub>137</sub> | 2002 11 05.28105   | 01 01 38.95 | +06 05 29.5 | 2002 TB <sub>107</sub> | 699    |       |
| 2001 YO <sub>157</sub> | 2001 12 19.24890   | 03 54 04.60  | +22 30 46.6  | 2001 XQ <sub>245</sub> | 20.1   | 2002 VT <sub>137</sub> | * 2002 11 12.17180 | 01 31 58.31 | -07 39 09.6 | 2002 TM <sub>157</sub> | 20.2 V | 291   |
| 2001 YO <sub>157</sub> | 2001 12 19.26404   | 03 54 03.84  | +22 30 44.6  | 2001 XQ <sub>245</sub> | 20.1   | 2002 VT <sub>137</sub> | 2002 11 12.17908   | 01 31 57.88 | -07 39 07.7 | 2002 TM <sub>157</sub> | 20.2 V | 291   |
| 2002 BS <sub>31</sub>  | * 2002 01 21.51414 | 13 51 12.34  | -08 16 00.3  | 2002 GW <sub>69</sub>  | 22.1 V | 2002 VT <sub>137</sub> | 2002 11 12.18612   | 01 31 57.56 | -07 39 06.3 | 2002 TM <sub>157</sub> | 20.2 V | 291   |
| 2002 BS <sub>31</sub>  | 2002 01 21.52040   | 13 51 12.66  | -08 16 01.6  | 2002 GW <sub>69</sub>  | 22.2 V | 2003 AX <sub>92</sub>  | * 2003 01 14.39838 | 10 47 03.00 | +45 16 00.0 | 2002 YD <sub>5</sub>   | 19.9   | 704   |
| 2002 BS <sub>31</sub>  | 2002 01 21.52639   | 13 51 12.94  | -08 16 02.5  | 2002 GW <sub>69</sub>  | 21.8 V | 2003 AX <sub>92</sub>  | 2003 01 14.41350   | 10 47 02.23 | +45 16 08.9 | 2002 YD <sub>5</sub>   | 20.0   | 704   |
| 2002 CJ <sub>312</sub> | * 2002 02 11.23234 | 08 28 38.30  | +17 55 01.4  | 2002 CL <sub>282</sub> | 19.8   | 2003 AX <sub>92</sub>  | 2003 01 14.44377   | 10 47 00.91 | +45 16 26.3 | 2002 YD <sub>5</sub>   | 19.8   | 704   |
| 2002 CJ <sub>312</sub> | 2002 02 11.24646   | 08 28 37.65  | +17 55 04.4  | 2002 CL <sub>282</sub> | 20.7   | 2003 EW <sub>60</sub>  | * 2003 03 05.94892 | 12 24 17.98 | +03 04 22.0 | 2003 DM <sub>22</sub>  | 18.5 R | A38   |
| 2002 CJ <sub>312</sub> | 2002 02 11.28882   | 08 28 35.58  | +17 55 12.0  | 2002 CL <sub>282</sub> | 20.7   | 2003 EW <sub>60</sub>  | 2003 03 05.96227   | 12 24 17.33 | +03 04 28.6 | 2003 DM <sub>22</sub>  | 18.5 R | A38   |
| 2002 CK <sub>312</sub> | * 2002 02 06.16816 | 07 34 30.23  | +12 49 23.4  | 2002 AS <sub>86</sub>  | 20.2   | 2003 EW <sub>60</sub>  | 2003 03 05.97823   | 12 24 16.61 | +03 04 36.2 | 2003 DM <sub>22</sub>  | 18.1 R | A38   |
| 2002 CK <sub>312</sub> | 2002 02 06.18909   | 07 34 29.22  | +12 49 28.1  | 2002 AS <sub>86</sub>  | 20.3   | 2003 NP <sub>12</sub>  | * 2003 07 13.95767 | 20 51 12.43 | +25 40 30.7 | 2003 LY <sub>1</sub>   | 18.2 R | 636   |
| 2002 CK <sub>312</sub> | 2002 02 06.21004   | 07 34 28.20  | +12 49 32.5  | 2002 AS <sub>86</sub>  | 20.4   | 2003 NP <sub>12</sub>  | 2003 07 13.96161   | 20 51 12.16 | +25 40 34.6 | 2003 LY <sub>1</sub>   | 18.6 R | 636   |
| 2002 CL <sub>312</sub> | * 2002 02 11.30933 | 10 03 32.16  | +06 51 14.0  | 2002 CM <sub>131</sub> | 19.5   | 2003 NP <sub>12</sub>  | 2003 07 13.96556   | 20 51 11.94 | +25 40 37.0 | 2003 LY <sub>1</sub>   | 18.2 R | 636   |
| 2002 CL <sub>312</sub> | 2002 02 11.32357   | 10 03 31.31  | +06 51 18.7  | 2002 CM <sub>131</sub> | 19.9   | 2003 OX <sub>19</sub>  | * 2003 07 22.92990 | 21 16 43.32 | -14 29 07.9 | 1999 JC <sub>127</sub> | 18.9 R | 599   |
| 2002 CL <sub>312</sub> | 2002 02 11.33782   | 10 03 30.49  | +06 51 23.1  | 2002 CM <sub>131</sub> | 19.7   | 2003 OX <sub>19</sub>  | 2003 07 22.94115   | 21 16 42.83 | -14 29 09.5 | 1999 JC <sub>127</sub> | 18.6 R | 599   |
| 2002 CL <sub>312</sub> | 2002 02 11.35205   | 10 03 29.60  | +06 51 29.2  | 2002 CM <sub>131</sub> | 20.1   | 2003 OX <sub>19</sub>  | 2003 07 22.95265   | 21 16 42.40 | -14 29 10.3 | 1999 JC <sub>127</sub> | 19.4 R | 599   |
| 2002 CL <sub>312</sub> | 2002 02 11.36632   | 10 03 28.78  | +06 51 33.4  | 2002 CM <sub>131</sub> | 20.3   | 2003 PD <sub>12</sub>  | * 2003 08 06.92985 | 20 56 40.17 | -17 49 57.6 | 1999 JG <sub>69</sub>  | 113    |       |
| 2002 CL <sub>312</sub> | 2002 02 13.30439   | 10 01 38.017 | +07 03 11.42 | 2002 CM <sub>131</sub> | 20.53V | 2003 PD <sub>12</sub>  | 2003 08 06.93801   | 20 56 39.71 | -17 50 02.0 | 1999 JG <sub>69</sub>  | 18.3 R | 113   |
| 2002 CL <sub>312</sub> | 2002 02 13.30786   | 10 01 37.808 | +07 03 12.69 | 2002 CM <sub>131</sub> | 21.49  | 2003 PD <sub>12</sub>  | 2003 08 06.94764   | 20 56 39.25 | -17 50 08.4 | 1999 JG <sub>69</sub>  | 18.0 R | 113   |
| 2002 CL <sub>312</sub> | 2002 02 16.44475   | 09 58 37.63  | +07 22 27.3  | 2002 CM <sub>131</sub> | 20.4   | 2003 PF <sub>12</sub>  | * 2003 08 05.03647 | 23 13 03.30 | -01 53 10.7 | 2003 PF <sub>11</sub>  | 621    |       |
| 2002 CL <sub>312</sub> | 2002 02 16.45630   | 09 58 36.92  | +07 22 32.2  | 2002 CM <sub>131</sub> | 19.8   | 2003 PF <sub>12</sub>  | 2003 08 05.04814   | 23 13 03.06 | -01 53 13.6 | 2003 PF <sub>11</sub>  | 19.8 R | 621   |
| 2002 CL <sub>312</sub> | 2002 02 16.47257   | 09 58 36.01  | +07 22 37.7  | 2002 CM <sub>131</sub> | 19.8   | 2003 PF <sub>12</sub>  | 2003 08 05.05981   | 23 13 02.76 | -01 53 17.4 | 2003 PF <sub>11</sub>  | 621    |       |

|                          |                  |             |             |         |      |     |
|--------------------------|------------------|-------------|-------------|---------|------|-----|
| 2003 QC <sub>108</sub> * | 2003 08 25.36690 | 20 31 17.71 | −04 45 42.1 | 2003 PB | 21.2 | 608 |
| 2003 QC <sub>108</sub>   | 2003 08 25.37759 | 20 31 17.45 | −04 45 50.0 | 2003 PB | 21.2 | 608 |
| 2003 QC <sub>108</sub>   | 2003 08 25.38838 | 20 31 17.15 | −04 45 58.0 | 2003 PB | 20.7 | 608 |

### ERRONEOUS IDENTIFICATION

The following identification is erroneous:

1993 FY<sub>58</sub> = (24274) Reference: *MPC* 37966

### IDENTIFICATION

The following identification with a numbered minor planet, by G. V. Williams, continues the list on *MPC* 49223:

2000 BH<sub>52</sub> = (24519)

### OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

|     |                                     |                                                                                                                                                            |                                                                 |
|-----|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 017 | Hoher List.                         | Observer B. Brinkmann.                                                                                                                                     | 0.15-m $f/10.0$ refractor + CCD.                                |
| 026 | Berne-Zimmerwald.                   | Observer R. Musci. Measurer M. Ploner.                                                                                                                     | 1.0-m $f/4$ reflector + CCD.                                    |
| 046 | Klet.                               | Observers Ž. Sovova, M. Tichý, M. Kočer.                                                                                                                   | 0.57-m $f/5.2$ reflector + CCD.                                 |
| 048 | Hradec Králové.                     | Observers M. Lehký, D. Hanžl.                                                                                                                              | 0.40-m $f/5$ reflector + CCD.                                   |
| 084 | Pulkovo.                            | Observers A. V. Devyatkin, D. L. Gorshanov, V. V. Kouprianov, M. Yu. Sidorov. Measurers A. V. Devyatkin, G. D. Baturina, A. V. Lemeseva, N. V. Mikhailova. | 0.32-m $f/3.2$ reflector + CCD.                                 |
| 106 | Crni Vrh.                           | Observer J. Skvarč.                                                                                                                                        | 0.60-m $f/3.3$ Deltagraph + CCD.                                |
| 118 | Modra.                              | Observers Š. Gajdoš, J. Világi, A. Galád.                                                                                                                  | 0.6-m $f/5.5$ reflector + CCD.                                  |
| 120 | Višňan.                             | Observers Z. Diveki, P. Korlević, B. Sipocz, R. Stoss.                                                                                                     | 0.41-m $f/4.3$ reflector + CCD.                                 |
| 130 | Lumezzane.                          | Observers C. Cremaschini, S. Foglia, W. Marinello, M. Micheli, G. Pizzetti, T. Zani.                                                                       | 0.40-m $f/4.5$ reflector + CCD.                                 |
| 143 | Gnosca.                             | Observer S. Sposetti.                                                                                                                                      | 0.40-m $f/4.0$ reflector + CCD.                                 |
| 151 | Eschenberg Observatory, Winterthur. | Observer M. Griesser.                                                                                                                                      | 0.40-m $f/5.8$ Hypergraph + CCD.                                |
| 166 | Upice.                              | Observer L. Vyskočil.                                                                                                                                      | 0.30-m $f/3.3$ Schmidt-Cassegrain + CCD.                        |
| 170 | Observatorio de Begues.             | Observer J. Manteca.                                                                                                                                       | 0.31-m $f/6.3$ Schmidt-Cassegrain + CCD.                        |
| 176 | Observatori Astronomic de Consell.  | Observers À. López, R. Pacheco.                                                                                                                            | 0.41-m reflector + CCD, 0.2-m $f/3.3$ Schmidt-Cassegrain + CCD. |
| 196 | Homburg-Erbach.                     | Observer W. Wiedemann.                                                                                                                                     | 0.20-m $f/3.3$ Schmidt-Cassegrain + CCD.                        |
| 198 | Wildberg.                           | Observer R. Apitzsch.                                                                                                                                      | 0.235-m Schmidt-Cassegrain + CCD.                               |
| 204 | Schiaparelli Observatory.           | Observer L. Buzzi.                                                                                                                                         | 0.60-m $f/4.64$ Newtonian + CCD.                                |
| 213 | Observatorio Montcabre.             | Observer R. Naves. Measurer M. Campas.                                                                                                                     | 0.30-m $f/5.5$ Schmidt-Cassegrain + CCD.                        |
| 215 | Buchloe.                            | Observer W. Hasubick.                                                                                                                                      | 0.44-m $f/4.6$ reflector + CCD.                                 |

|     |                                                 |                                                                                                                                                            |                                          |
|-----|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| 232 | Masquefa Observatory.                           | Observer E. Reina.                                                                                                                                         | 0.25-m $f/3.3$ Schmidt-Cassegrain + CCD. |
| 233 | San Vito.                                       | Observer S. Donati.                                                                                                                                        | 0.25-m $f/6.3$ Schmidt-Cassegrain + CCD. |
| 235 | CAST Observatory, Talmassons.                   | Observers R. Ligustri, V. Savani, P. Beltrame, G. Degano, R. Turchetti.                                                                                    | 0.35-m $f/5$ reflector + CCD.            |
| 240 | Herrenberg.                                     | Observer H. Michels.                                                                                                                                       | 0.40-m $f/5$ reflector + CCD.            |
| 246 | Klet Observatory-KLENOT.                        | Observers J. Tichá, M. Tichý, M. Kočer.                                                                                                                    | 1.06-m KLENOT Telescope + CCD.           |
| 291 | LPL/Spacewatch II.                              | Observer J. V. Scotti.                                                                                                                                     | 1.8-m $f/2.7$ reflector + CCD.           |
| 300 | Bisei Spaceguard Center-BATTeRS.                | Observers A. Asami, D. J. Asher, T. Fuse, N. Hashimoto, A. I. Ibrahim, S. Isobe, K. Nishiyama, Y. Oshima, J. Terazono, H. Umehara, T. Urata, M. Yoshikawa. | 0.5-m $f/2.0$ reflector + CCD.           |
| 303 | Mérida.                                         | Observers I. Ferrin, C. Leal.                                                                                                                              | 1-m Schmidt + CCD.                       |
| 309 | Cerro Paranal.                                  | Observers O. Hainaut, A. Delsanti.                                                                                                                         | 8.2-m $f/11$ reflector + CCD.            |
| 342 | Shishikui.                                      | Observer H. Maeno.                                                                                                                                         | 0.15-m $f/5.0$ reflector + CCD.          |
| 349 | Ageo.                                           | Observer K. Kadota.                                                                                                                                        | 0.25-m $f/5.0$ reflector + CCD.          |
| 355 | Hadano.                                         | Observer A. Asami.                                                                                                                                         | 0.28-m $f/5.0$ reflector + CCD.          |
| 360 | Kuma Kogen.                                     | Observer A. Nakamura.                                                                                                                                      | 0.60-m $f/5.8$ Ritchey-Chrétien + CCD.   |
| 372 | Geisei.                                         | Observer T. Seki.                                                                                                                                          | 0.60-m $f/3.5$ reflector.                |
| 379 | Hamamatsu-Yuto.                                 | Observer S. Wakuda.                                                                                                                                        | 0.25-m $f/5.0$ Schmidt-Cassegrain + CCD. |
| 413 | Siding Spring.                                  | Observer R. H. McNaught.                                                                                                                                   | 1.0-m $f/8$ reflector + CCD.             |
| 422 | Loomberah.                                      | Observer G. J. Garradd.                                                                                                                                    | 0.45-m $f/5.4$ reflector + CCD.          |
| 428 | Reedy Creek.                                    | Observer J. Broughton.                                                                                                                                     | 0.25-m $f/7.2$ Schmidt-Cassegrain + CCD. |
| 442 | Gualba Observatory.                             | Observer A. Sanchez.                                                                                                                                       | 0.31-m $f/3.3$ Schmidt-Cassegrain + CCD. |
| 445 | Observatori d'Ontinyent.                        | Observer M. Camarasa.                                                                                                                                      | 0.20-m $f/7.2$ Schmidt-Cassegrain + CCD. |
| 448 | Desert Moon Observatory.                        | Observer B. Stevens.                                                                                                                                       | 0.30-m $f/6.3$ Schmidt-Cassegrain + CCD. |
| 458 | Guadarrama Observatory.                         | Observer D. Rodriguez.                                                                                                                                     | 0.20-m $f/10$ Schmidt-Cassegrain + CCD.  |
| 461 | JATE Asteroid Survey, Piskésető Stn. (Konkoly). | Observers K. Sárneczky, B. Sipőcz.                                                                                                                         | 0.60-m Schmidt + CCD.                    |
| 469 | Courroux.                                       | Observer H. Lehmann.                                                                                                                                       | 0.20-m $f/4.37$ reflector + CCD.         |
| 474 | Mount John Observatory, Lake Tekapo.            | Observers A. C. Gilmore, P. M. Kilmartin.                                                                                                                  | 1.0-m $f/7.7$ reflector + CCD.           |
| 557 | Ondřejov.                                       | Observer P. Kušnirák.                                                                                                                                      | 0.65-m $f/3.6$ reflector + CCD.          |
| 561 | Piskésető.                                      | Observer J. Kelemen.                                                                                                                                       | 0.60-m $f/3$ Schmidt + CCD.              |
| 587 | Sormano.                                        | Observer F. Manca.                                                                                                                                         | 0.5-m reflector + CCD.                   |
| 599 | Campo Imperatore-CINEOS.                        | Observers A. Boattini, A. Di Paola, N. Napoleone.                                                                                                          | 0.60-m $f/3$ Schmidt + CCD.              |
| 608 | Haleakala-NEAT/MSSS.                            | Observers R. Bamberg, E. Helin, S. Pravdo, M. Hicks, K. Lawrence, P. Kervin.                                                                               | 1.2-m reflector + CCD.                   |
| 619 | Sabadell.                                       | Observers R. Casas, J. Sabate, R. Josa, M. Bella.                                                                                                          | 0.50-m $f/4$ reflector + CCD.            |
| 620 | Observatorio Astronómico de Mallorca.           | Observers Z. Diveki, P. Korlević, B. Sipőcz, R. Stoss, S. Sanchez, J. Nomen.                                                                               | 0.30-m $f/9$ Schmidt-Cassegrain + CCD.   |

- 621 Bergisch Gladbach. Observer W. Bickel. 0.60-m  $f/5.2$  reflector + CCD.  
 636 Essen. Observers A. Knöfel, T. Payer. 0.32-m  $f/5.7$  reflector + CCD.  
 642 Oak Bay, Victoria. Observer C. E. Spratt. 0.235-m  $f/5.2$  Schmidt-Cassegrain with focal reducer + CCD.  
 644 Palomar Mountain/NEAT. Observers S. Pravdo, E. F. Helin, K. J. Lawrence, D. MacDonald, M. Hicks, R. Thicksten, K. Kuluhiwa. Measurers NEAT Team, R. Haver, A. Pelloni, G. Forti, S. Hönig. 1.2-m Schmidt + CCD.  
 649 Powell Observatory, Louisburg. Observers R. Fredrick, R. Trentman. 0.3-m Schmidt-Cassegrain + CCD, 0.75-m Newtonian + CCD.  
 651 Grasslands Observatory, Tucson. Observer J. E. McGaha. 0.62-m  $f/5.1$  Newtonian + CCD.  
 670 Camarillo. Observer J. E. Rogers. 0.30-m  $f/6.7$  Helin Telescope + CCD.  
 673 Table Mountain Observatory, Wrightwood. Observer J. Young. 0.6-m reflector + CCD.  
 695 Kitt Peak. Observer J. W. Parker. 2.1-m reflector + CCD.  
 704 Lincoln Laboratory ETS, New Mexico. Observers M. Blythe, F. Shelly, M. Bezpalko, R. Huber, L. Manguso, S. Adams, D. Torres, T. Brothers, S. Partridge, R. Kracke, M. McCleary, H. Stange. Measurers J. Stuart, R. Sayer, J. Evans, P. Hopman, J. Kommers. 1.0-m  $f/2.15$  reflector + CCD.  
 711 McDonald Observatory. Observer J. G. Ries. 0.76-m reflector with prime focus corrector + CCD.  
 726 Brainerd. Observer J. Wentworth. 0.28-m Schmidt-Cassegrain + CCD.  
 734 Farpont Observatory. Observer G. Hug. 0.30-m Schmidt-Cassegrain + CCD.  
 735 George Observatory, Needville. Observers C. Gustava, R. Pepper, K. Rivich. Measurers W. G. Dillon, K. Rivich. 0.46-m reflector + CCD.  
 762 Four Winds Observatory, Lake Leelanau. Observer R. Elliott. 0.3-m  $f/10$  reflector + CCD.  
 785 Fitz-Randolph Observatory, Princeton. Observers H. Ashley, J. Maffei. 0.91-m  $f/13.6$  Cassegrain + CCD.  
 807 Cerro Tololo. Observer I. Griffin, S. G. Huerta. Measurer I. Griffin. 0.9-m reflector + CCD.  
 834 Buenos Aires-AAAA. Observers R. Mackintosh, R. Caprio, P. Keilis. Measurer R. Mackintosh. 0.25-m  $f/6.3$  Schmidt-Cassegrain + CCD.  
 850 Cordell-Lorenz Observatory, Sewanee. Observer D. T. Durig. 0.3-m  $f/5.75$  Schmidt-Cassegrain + CCD.  
 854 Sabino Canyon Observatory, Tucson. Observer J. E. McGaha. 0.30-m  $f/10.0$  Schmidt-Cassegrain + CCD.  
 858 Tebbutt Observatory, Edgewood. Observer F. B. Zoltowski. 0.3-m  $f/3.3$  Schmidt-Cassegrain + CCD.  
 859 Wykrota Observatory-CEAMIG. Observer C. Jacques. 0.30-m  $f/3.0$  Schmidt-Cassegrain + CCD.  
 867 Saji Observatory. Observers M. Yamanishi, A. Miyamoto, M. Aimoto, T. Oribe. 1.03-m  $f/4.8$  reflector + CCD.  
 918 Badlands Observatory, Quinn. Observer R. Dyvig. 0.66-m  $f/4.8$  reflector + CCD.  
 921 SW Institute for Space Research, Cloudcroft. Observer A. Hale. 0.20-m Schmidt-Cassegrain + CCD.  
 926 Tenagra II Observatory. Observers P. R. Holvorcem, M. Schwartz. 0.36-m  $f/11$  Schmidt-Cassegrain + CCD, 0.81-m  $f/7$  Ritchey-Chrétien + CCD.  
 939 Observatorio Rodeno. Observer J. Castellano. 0.20-m  $f/10$  Schmidt-Cassegrain + CCD.  
 952 Marxuquera. Observer J. J. Gomez. 0.25-m  $f/4.2$  Schmidt-Cassegrain + CCD.

- 966 Church Stretton. Observer S. P. Laurie. 0.35-m  $f/11$  Schmidt-Cassegrain + CCD.  
 A02 Masia Cal Maciarol Modul 8. Observers J. Salto, A. Salto. 0.25-m  $f/3.7$  Schmidt-Cassegrain + CCD.  
 A28 Kempten. Observer M. Scheel. 0.46-m  $f/4.5$  reflector + CCD.  
 A30 Crespadoro. Observer S. Valentini. 0.20-m  $f/10$  Schmidt-Cassegrain + CCD.  
 A32 Panker. Observer H. Denzau. 0.36-m  $f/5.5$  Schmidt-Cassegrain + CCD.  
 A46 Lelekovice. Observer K. Hornoch. 0.35-m  $f/4.7$  reflector + CCD.  
 E14 Ngunnawal. Observer D. Higgins. 0.25-m  $f/5$  Schmidt-Cassegrain + CCD.  
 H41 Petit Jean Mountain. Observer P. C. Sherrod. 0.41-m  $f/3.7$  Schmidt-Cassegrain + CCD.  
 H44 Cascade Mountain. Observer B. M. Sherrod. 0.41-m  $f/4.5$  reflector + CCD.  
 H72 Evelyn L. Egan Observatory, Fort Myers. Observers M. Fauerbach, M. Mon. 0.40-m  $f/5.3$  reflector + CCD.  
 I31 Observatorio Astronómico del Colegio Cristo Rey. Observer V. Buso. Measurers L. Tenaglia, E. Svaikauskas, J. Nardon. 0.28-m  $f/6.3$  Schmidt-Cassegrain + CCD.  
 J87 La Cañada. Observers J. Lacruz, J. A. Lacruz, J. M. Lacruz. 0.30-m  $f/3.3$  Schmidt-Cassegrain + CCD.  
 J93 Mount Tuffley Observatory, Gloucester. Observer J. Fletcher. 0.254-m  $f/5.5$  Schmidt Cassegrain + CCD.  
 J95 Great Shefford. Observer P. Birtwhistle. 0.30-m  $f/6.3$  Schmidt-Cassegrain + CCD.

| Object                  | Date                                        | UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag. | N | Obs. |
|-------------------------|---------------------------------------------|----|-----------------|-----------------|------|---|------|
|                         | <b>C/2001 HT<sub>50</sub> (LINEAR-NEAT)</b> |    |                 |                 |      |   |      |
| C/2001 HT <sub>50</sub> | 2003 02 27.83447                            |    | 06 29 00.12     | +03 26 44.8     | 14.2 | N | 240  |
| C/2001 HT <sub>50</sub> | 2003 02 27.83602                            |    | 06 28 59.92     | +03 26 45.6     | 14.6 | N | 240  |
| C/2001 HT <sub>50</sub> | 2003 02 27.83757                            |    | 06 28 59.75     | +03 26 47.1     | 14.3 | N | 240  |
| C/2001 HT <sub>50</sub> | 2003 02 27.83912                            |    | 06 28 59.55     | +03 26 48.2     | 14.5 | N | 240  |
| C/2001 HT <sub>50</sub> | 2003 02 27.84067                            |    | 06 28 59.38     | +03 26 49.5     | 14.0 | N | 240  |
| C/2001 HT <sub>50</sub> | 2003 08 06.08212                            |    | 05 40 04.37     | +16 58 26.3     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 06.08287                            |    | 05 40 04.37     | +16 58 26.3     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 06.08362                            |    | 05 40 04.33     | +16 58 26.5     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 06.08587                            |    | 05 40 04.35     | +16 58 26.3     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 06.08662                            |    | 05 40 04.33     | +16 58 26.6     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 07.08606                            |    | 05 39 52.32     | +17 00 14.7     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 07.08840                            |    | 05 39 52.30     | +17 00 15.0     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 07.08918                            |    | 05 39 52.28     | +17 00 15.0     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 07.09072                            |    | 05 39 52.25     | +17 00 15.3     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 07.09148                            |    | 05 39 52.21     | +17 00 15.6     |      |   | 048  |
| C/2001 HT <sub>50</sub> | 2003 08 07.75797                            |    | 05 39 43.71     | +17 01 28.3     |      |   | 349  |
| C/2001 HT <sub>50</sub> | 2003 08 07.75936                            |    | 05 39 43.66     | +17 01 28.2     |      |   | 349  |
| C/2001 HT <sub>50</sub> | 2003 08 07.76056                            |    | 05 39 43.65     | +17 01 28.5     |      |   | 349  |
| C/2001 HT <sub>50</sub> | 2003 08 07.76177                            |    | 05 39 43.64     | +17 01 28.5     | 13.5 | T | 349  |
| C/2001 HT <sub>50</sub> | 2003 08 10.07396                            |    | 05 39 10.32     | +17 05 34.8     | 14.2 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 10.07622                            |    | 05 39 10.28     | +17 05 35.0     | 14.2 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 10.07847                            |    | 05 39 10.24     | +17 05 35.2     | 14.3 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 10.08073                            |    | 05 39 10.21     | +17 05 35.3     | 14.2 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 11.07501                            |    | 05 38 54.10     | +17 07 20.6     | 14.2 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 11.07796                            |    | 05 38 54.07     | +17 07 20.8     | 14.2 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 11.07943                            |    | 05 38 54.04     | +17 07 21.1     | 14.2 | N | A32  |
| C/2001 HT <sub>50</sub> | 2003 08 15.12913                            |    | 05 37 36.66     | +17 14 22.8     | 14.7 | N | 017  |

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|                         |                  |             |             |        |     |
|-------------------------|------------------|-------------|-------------|--------|-----|
| C/2001 HT <sub>50</sub> | 2003 08 15.13549 | 05 37 36.56 | +17 14 24.3 | 14.6 N | 620 |
| C/2001 HT <sub>50</sub> | 2003 08 15.13778 | 05 37 36.50 | +17 14 24.5 | 14.4 N | 620 |
| C/2001 HT <sub>50</sub> | 2003 08 15.14007 | 05 37 36.45 | +17 14 24.6 | 14.5 N | 620 |
| C/2001 HT <sub>50</sub> | 2003 08 20.11150 | 05 35 32.97 | +17 22 47.5 | 14.3 N | 213 |
| C/2001 HT <sub>50</sub> | 2003 08 20.11396 | 05 35 32.91 | +17 22 47.7 | 14.3 N | 213 |
| C/2001 HT <sub>50</sub> | 2003 08 20.11501 | 05 35 32.88 | +17 22 47.9 | 14.3 N | 213 |
| C/2001 HT <sub>50</sub> | 2003 08 21.10836 | 05 35 04.03 | +17 24 26.5 | 14.4 N | 017 |
| C/2001 HT <sub>50</sub> | 2003 08 21.13250 | 05 35 03.34 | +17 24 28.7 | 14.3 N | 017 |
| C/2001 HT <sub>50</sub> | 2003 08 22.74381 | 05 34 13.39 | +17 27 07.1 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 22.74628 | 05 34 13.31 | +17 27 07.9 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 22.74817 | 05 34 13.27 | +17 27 07.8 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 22.75094 | 05 34 13.16 | +17 27 08.7 | 13.9 T | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 23.02885 | 05 34 04.03 | +17 27 36.5 | 14.3 N | 235 |
| C/2001 HT <sub>50</sub> | 2003 08 23.12655 | 05 34 00.94 | +17 27 45.3 | 14.7 N | 204 |
| C/2001 HT <sub>50</sub> | 2003 08 23.12985 | 05 34 00.88 | +17 27 45.4 | 14.9 N | 204 |
| C/2001 HT <sub>50</sub> | 2003 08 23.74022 | 05 33 40.48 | +17 28 45.3 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 23.74238 | 05 33 40.44 | +17 28 44.7 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 23.74410 | 05 33 40.38 | +17 28 45.7 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 23.74568 | 05 33 40.33 | +17 28 45.8 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 23.74720 | 05 33 40.29 | +17 28 46.1 | 13.4 T | 349 |
| C/2001 HT <sub>50</sub> | 2003 08 25.07207 | 05 32 54.04 | +17 30 53.5 | 13.8 N | A32 |
| C/2001 HT <sub>50</sub> | 2003 08 25.07354 | 05 32 53.98 | +17 30 53.7 | 13.8 N | A32 |
| C/2001 HT <sub>50</sub> | 2003 08 25.07501 | 05 32 53.93 | +17 30 53.9 | 13.8 N | A32 |
| C/2001 HT <sub>50</sub> | 2003 08 25.07649 | 05 32 53.87 | +17 30 54.0 | 13.8 N | A32 |
| C/2001 HT <sub>50</sub> | 2003 08 25.08723 | 05 32 53.51 | +17 30 54.5 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 25.08836 | 05 32 53.44 | +17 30 54.4 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 25.08949 | 05 32 53.40 | +17 30 54.3 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 25.09061 | 05 32 53.38 | +17 30 55.2 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 25.09174 | 05 32 53.33 | +17 30 55.2 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 25.09287 | 05 32 53.29 | +17 30 55.6 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.03632 | 05 31 40.15 | +17 34 02.2 | 14.5 N | 235 |
| C/2001 HT <sub>50</sub> | 2003 08 27.09760 | 05 31 37.70 | +17 34 07.3 | 14.3 N | 213 |
| C/2001 HT <sub>50</sub> | 2003 08 27.09861 | 05 31 37.72 | +17 34 07.3 | 14.3 N | 213 |
| C/2001 HT <sub>50</sub> | 2003 08 27.09960 | 05 31 37.68 | +17 34 07.1 | 14.3 N | 213 |
| C/2001 HT <sub>50</sub> | 2003 08 27.10370 | 05 31 37.46 | +17 34 07.2 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.10483 | 05 31 37.42 | +17 34 07.1 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.10595 | 05 31 37.37 | +17 34 07.3 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.10707 | 05 31 37.34 | +17 34 07.4 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.10821 | 05 31 37.28 | +17 34 07.5 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.10934 | 05 31 37.25 | +17 34 07.8 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 08 27.11162 | 05 31 37.13 | +17 34 07.7 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 08 27.11237 | 05 31 37.11 | +17 34 07.9 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 08 27.11314 | 05 31 37.09 | +17 34 08.2 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 08 27.11541 | 05 31 36.99 | +17 34 08.3 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 08 27.11692 | 05 31 36.92 | +17 34 08.6 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 08 30.10704 | 05 29 30.88 | +17 38 46.9 | 14.7 N | 939 |
| C/2001 HT <sub>50</sub> | 2003 08 30.11461 | 05 29 30.53 | +17 38 47.6 | 14.7 N | 939 |
| C/2001 HT <sub>50</sub> | 2003 08 30.12220 | 05 29 30.17 | +17 38 48.3 | 14.7 N | 939 |
| C/2001 HT <sub>50</sub> | 2003 08 30.17052 | 05 29 28.00 | +17 38 54.1 | 14.7 N | 232 |
| C/2001 HT <sub>50</sub> | 2003 08 30.17571 | 05 29 27.75 | +17 38 54.6 | 14.7 N | 232 |
| C/2001 HT <sub>50</sub> | 2003 08 30.18088 | 05 29 27.49 | +17 38 55.3 | 14.7 N | 232 |
| C/2001 HT <sub>50</sub> | 2003 08 31.03458 | 05 28 48.44 | +17 40 12.2 | 14.9 N | 235 |
| C/2001 HT <sub>50</sub> | 2003 08 31.12571 | 05 28 44.11 | +17 40 20.3 | 14.7 N | 445 |

|                         |                  |             |             |        |     |
|-------------------------|------------------|-------------|-------------|--------|-----|
| C/2001 HT <sub>50</sub> | 2003 08 31.13502 | 05 28 43.71 | +17 40 21.2 | 14.7 N | 445 |
| C/2001 HT <sub>50</sub> | 2003 08 31.13876 | 05 28 43.56 | +17 40 21.9 | 14.7 N | 445 |
| C/2001 HT <sub>50</sub> | 2003 08 31.14090 | 05 28 43.45 | +17 40 22.6 | 14.8 N | 445 |
| C/2001 HT <sub>50</sub> | 2003 09 01.70243 | 05 27 27.82 | +17 42 43.0 |        | 342 |
| C/2001 HT <sub>50</sub> | 2003 09 01.71632 | 05 27 27.09 | +17 42 44.4 |        | 342 |
| C/2001 HT <sub>50</sub> | 2003 09 02.15286 | 05 27 04.94 | +17 43 22.4 |        | 143 |
| C/2001 HT <sub>50</sub> | 2003 09 02.15519 | 05 27 04.82 | +17 43 22.7 |        | 143 |
| C/2001 HT <sub>50</sub> | 2003 09 02.15751 | 05 27 04.69 | +17 43 22.8 |        | 143 |
| C/2001 HT <sub>50</sub> | 2003 09 02.77182 | 05 26 32.99 | +17 44 17.4 | 14.8 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 02.77403 | 05 26 32.90 | +17 44 18.3 | 14.6 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 02.77747 | 05 26 32.72 | +17 44 18.5 | 14.3 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 02.77896 | 05 26 32.68 | +17 44 18.6 | 15.0 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 02.78045 | 05 26 32.57 | +17 44 18.5 | 14.4 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 03.75590 | 05 25 40.67 | +17 45 43.2 | 14.6 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 03.79181 | 05 25 38.65 | +17 45 49.8 | 14.5 N | E14 |
| C/2001 HT <sub>50</sub> | 2003 09 03.79544 | 05 25 38.44 | +17 45 50.2 | 14.6 N | E14 |
| C/2001 HT <sub>50</sub> | 2003 09 03.79716 | 05 25 38.39 | +17 45 46.4 | 14.1 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 03.79866 | 05 25 38.30 | +17 45 46.4 | 14.0 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 03.79907 | 05 25 38.24 | +17 45 50.5 | 14.5 N | E14 |
| C/2001 HT <sub>50</sub> | 2003 09 03.80164 | 05 25 38.16 | +17 45 47.8 | 14.6 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 04.11649 | 05 25 20.88 | +17 46 14.9 | 14.9 N | 235 |
| C/2001 HT <sub>50</sub> | 2003 09 05.73713 | 05 23 48.88 | +17 48 32.4 | 14.3 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 05.73793 | 05 23 48.84 | +17 48 31.8 | 14.5 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 05.73953 | 05 23 48.73 | +17 48 32.4 | 14.7 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 05.74112 | 05 23 48.66 | +17 48 32.9 | 14.4 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 05.74135 | 05 23 48.60 | +17 48 32.9 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 09 05.74262 | 05 23 48.53 | +17 48 33.0 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 09 05.74432 | 05 23 48.44 | +17 48 33.1 |        | 349 |
| C/2001 HT <sub>50</sub> | 2003 09 05.74728 | 05 23 48.27 | +17 48 33.2 | 13.3 T | 349 |
| C/2001 HT <sub>50</sub> | 2003 09 06.08068 | 05 23 28.58 | +17 49 00.6 | 15.1 N | 166 |
| C/2001 HT <sub>50</sub> | 2003 09 06.08266 | 05 23 28.42 | +17 49 01.1 | 15.1 N | 166 |
| C/2001 HT <sub>50</sub> | 2003 09 06.08628 | 05 23 28.23 | +17 49 01.3 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 09 06.08742 | 05 23 28.17 | +17 49 01.1 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 09 06.08838 | 05 23 28.10 | +17 49 01.4 | 15.1 N | 166 |
| C/2001 HT <sub>50</sub> | 2003 09 06.08855 | 05 23 28.12 | +17 49 01.2 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 09 06.09080 | 05 23 27.96 | +17 49 01.6 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 09 06.09307 | 05 23 27.83 | +17 49 01.8 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 09 06.09419 | 05 23 27.77 | +17 49 01.7 |        | A46 |
| C/2001 HT <sub>50</sub> | 2003 09 06.75230 | 05 22 48.23 | +17 49 56.6 | 14.1 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 06.75310 | 05 22 48.18 | +17 49 57.1 | 14.2 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 06.75390 | 05 22 48.12 | +17 49 57.1 | 14.3 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 06.75550 | 05 22 48.02 | +17 49 56.9 | 14.2 N | 379 |
| C/2001 HT <sub>50</sub> | 2003 09 07.13355 | 05 22 24.84 | +17 50 27.9 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 09 07.13432 | 05 22 24.81 | +17 50 28.3 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 09 07.13508 | 05 22 24.72 | +17 50 28.1 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 09 07.13737 | 05 22 24.61 | +17 50 28.1 |        | 048 |
| C/2001 HT <sub>50</sub> | 2003 09 07.42169 | 05 22 06.91 | +17 50 52.6 | 15.8 T | H44 |
| C/2001 HT <sub>50</sub> | 2003 09 07.44294 | 05 22 05.57 | +17 50 54.3 | 15.7 T | H44 |

## C/2001 K5 (LINEAR)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2001 K5 | 2003 07 30.87534 | 18 18 31.69 | +56 27 23.8 | 16.1 N | 235 |
| C/2001 K5 | 2003 08 01.95569 | 18 17 19.20 | +56 24 13.3 | 16.2 N | A02 |
| C/2001 K5 | 2003 08 01.95795 | 18 17 19.13 | +56 24 13.4 | 16.2 N | A02 |

|           |                  |             |             |        |     |           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|-----------|------------------|-------------|-------------|--------|-----|
| C/2001 K5 | 2003 08 01.96698 | 18 17 18.83 | +56 24 14.0 | 16.2 N | A02 | C/2001 K5 | 2003 08 07.89719 | 18 14 14.14 | +56 12 01.0 |        | A46 |
| C/2001 K5 | 2003 08 03.46294 | 18 16 29.28 | +56 21 41.9 |        | 349 | C/2001 K5 | 2003 08 07.89830 | 18 14 14.07 | +56 12 01.0 |        | A46 |
| C/2001 K5 | 2003 08 03.46536 | 18 16 29.26 | +56 21 41.0 |        | 349 | C/2001 K5 | 2003 08 07.89943 | 18 14 14.06 | +56 12 01.3 |        | A46 |
| C/2001 K5 | 2003 08 03.46762 | 18 16 29.12 | +56 21 40.7 |        | 349 | C/2001 K5 | 2003 08 07.90056 | 18 14 14.03 | +56 12 00.5 |        | A46 |
| C/2001 K5 | 2003 08 03.51139 | 18 16 27.73 | +56 21 36.0 |        | 349 | C/2001 K5 | 2003 08 08.89010 | 18 13 46.51 | +56 09 28.4 |        | 636 |
| C/2001 K5 | 2003 08 03.51389 | 18 16 27.65 | +56 21 35.7 | 15.8 T | 349 | C/2001 K5 | 2003 08 08.89199 | 18 13 46.51 | +56 09 30.6 | 16.7 N | J87 |
| C/2001 K5 | 2003 08 03.94647 | 18 16 13.62 | +56 20 46.4 |        | A46 | C/2001 K5 | 2003 08 08.89405 | 18 13 46.41 | +56 09 29.2 | 15.5 N | 636 |
| C/2001 K5 | 2003 08 03.94759 | 18 16 13.53 | +56 20 45.6 |        | A46 | C/2001 K5 | 2003 08 08.89799 | 18 13 46.31 | +56 09 28.4 | 15.4 N | 636 |
| C/2001 K5 | 2003 08 03.94872 | 18 16 13.49 | +56 20 45.7 |        | A46 | C/2001 K5 | 2003 08 08.89909 | 18 13 46.30 | +56 09 29.7 | 17.0 N | J87 |
| C/2001 K5 | 2003 08 03.94984 | 18 16 13.43 | +56 20 45.0 |        | A46 | C/2001 K5 | 2003 08 08.90359 | 18 13 46.14 | +56 09 28.8 | 16.8 N | J87 |
| C/2001 K5 | 2003 08 04.94105 | 18 15 42.13 | +56 18 45.9 | 15.7 N | A32 | C/2001 K5 | 2003 08 08.91019 | 18 13 45.92 | +56 09 27.7 | 16.7 N | J87 |
| C/2001 K5 | 2003 08 04.94399 | 18 15 42.04 | +56 18 45.3 | 15.6 N | A32 | C/2001 K5 | 2003 08 08.91751 | 18 13 45.80 | +56 09 27.1 | 16.7 N | J87 |
| C/2001 K5 | 2003 08 04.94693 | 18 15 41.93 | +56 18 45.2 | 15.6 N | A32 | C/2001 K5 | 2003 08 09.56478 | 18 13 28.29 | +56 07 42.9 | 16.3 N | 379 |
| C/2001 K5 | 2003 08 04.94987 | 18 15 41.84 | +56 18 44.4 | 15.7 N | A32 | C/2001 K5 | 2003 08 09.56648 | 18 13 28.26 | +56 07 41.6 | 16.7 N | 379 |
| C/2001 K5 | 2003 08 05.09800 | 18 15 37.42 | +56 18 27.5 | 17.3 T | H72 | C/2001 K5 | 2003 08 09.57059 | 18 13 28.06 | +56 07 40.5 | 16.3 N | 379 |
| C/2001 K5 | 2003 08 05.10125 | 18 15 37.26 | +56 18 26.7 | 17.0 T | H72 | C/2001 K5 | 2003 08 09.85329 | 18 13 20.69 | +56 06 56.1 |        | 048 |
| C/2001 K5 | 2003 08 05.10449 | 18 15 37.20 | +56 18 26.0 | 17.0 T | H72 | C/2001 K5 | 2003 08 09.85405 | 18 13 20.65 | +56 06 56.0 |        | 048 |
| C/2001 K5 | 2003 08 05.18116 | 18 15 34.73 | +56 18 16.3 | 17.1 T | H72 | C/2001 K5 | 2003 08 09.85557 | 18 13 20.65 | +56 06 55.4 |        | 048 |
| C/2001 K5 | 2003 08 05.18441 | 18 15 34.54 | +56 18 15.8 | 17.0 T | H72 | C/2001 K5 | 2003 08 09.85632 | 18 13 20.60 | +56 06 56.0 |        | 048 |
| C/2001 K5 | 2003 08 05.87674 | 18 15 13.44 | +56 16 47.3 | 15.9 N | 442 | C/2001 K5 | 2003 08 09.85707 | 18 13 20.59 | +56 06 55.6 |        | 048 |
| C/2001 K5 | 2003 08 05.88259 | 18 15 13.33 | +56 16 45.6 | 15.9 N | 442 | C/2001 K5 | 2003 08 09.93316 | 18 13 18.47 | +56 06 40.2 | 15.7 N | A32 |
| C/2001 K5 | 2003 08 05.92012 | 18 15 12.04 | +56 16 40.5 |        | A46 | C/2001 K5 | 2003 08 09.93757 | 18 13 18.39 | +56 06 40.0 | 15.8 N | A32 |
| C/2001 K5 | 2003 08 05.92125 | 18 15 12.00 | +56 16 40.4 |        | A46 | C/2001 K5 | 2003 08 09.94198 | 18 13 18.26 | +56 06 39.4 | 15.7 N | A32 |
| C/2001 K5 | 2003 08 05.92237 | 18 15 11.96 | +56 16 40.4 |        | A46 | C/2001 K5 | 2003 08 09.94640 | 18 13 18.14 | +56 06 38.0 | 15.8 N | A32 |
| C/2001 K5 | 2003 08 05.92463 | 18 15 11.93 | +56 16 39.8 |        | A46 | C/2001 K5 | 2003 08 09.95081 | 18 13 18.03 | +56 06 37.7 | 15.7 N | A32 |
| C/2001 K5 | 2003 08 05.92575 | 18 15 11.92 | +56 16 39.3 |        | A46 | C/2001 K5 | 2003 08 10.47925 | 18 13 04.30 | +56 05 11.0 |        | 349 |
| C/2001 K5 | 2003 08 05.92688 | 18 15 11.85 | +56 16 39.2 |        | A46 | C/2001 K5 | 2003 08 10.48183 | 18 13 04.29 | +56 05 09.9 |        | 349 |
| C/2001 K5 | 2003 08 05.95550 | 18 15 10.99 | +56 16 35.2 | 15.7 N | A32 | C/2001 K5 | 2003 08 10.48564 | 18 13 04.16 | +56 05 09.4 |        | 349 |
| C/2001 K5 | 2003 08 05.95844 | 18 15 10.89 | +56 16 34.9 | 15.6 N | A32 | C/2001 K5 | 2003 08 10.49372 | 18 13 03.95 | +56 05 08.4 | 15.7 T | 349 |
| C/2001 K5 | 2003 08 05.96432 | 18 15 10.72 | +56 16 33.9 | 15.7 N | A32 | C/2001 K5 | 2003 08 10.85355 | 18 12 54.77 | +56 04 06.3 |        | 048 |
| C/2001 K5 | 2003 08 06.84848 | 18 14 44.43 | +56 14 33.7 |        | 048 | C/2001 K5 | 2003 08 10.85431 | 18 12 54.76 | +56 04 06.0 |        | 048 |
| C/2001 K5 | 2003 08 06.85161 | 18 14 44.31 | +56 14 33.6 |        | 048 | C/2001 K5 | 2003 08 10.85506 | 18 12 54.75 | +56 04 05.9 |        | 048 |
| C/2001 K5 | 2003 08 06.85315 | 18 14 44.29 | +56 14 33.4 |        | 048 | C/2001 K5 | 2003 08 10.85582 | 18 12 54.74 | +56 04 05.5 |        | 048 |
| C/2001 K5 | 2003 08 06.85391 | 18 14 44.24 | +56 14 33.4 |        | 048 | C/2001 K5 | 2003 08 10.85733 | 18 12 54.72 | +56 04 05.6 |        | 048 |
| C/2001 K5 | 2003 08 06.85468 | 18 14 44.22 | +56 14 32.9 |        | 048 | C/2001 K5 | 2003 08 10.93130 | 18 12 52.74 | +56 03 51.4 |        | A46 |
| C/2001 K5 | 2003 08 06.89510 | 18 14 43.08 | +56 14 25.4 | 16.2 N | 939 | C/2001 K5 | 2003 08 10.93242 | 18 12 52.70 | +56 03 50.8 |        | A46 |
| C/2001 K5 | 2003 08 06.90273 | 18 14 42.81 | +56 14 23.8 | 16.3 N | 939 | C/2001 K5 | 2003 08 10.93356 | 18 12 52.65 | +56 03 51.1 |        | A46 |
| C/2001 K5 | 2003 08 06.91035 | 18 14 42.52 | +56 14 23.4 | 16.3 N | 939 | C/2001 K5 | 2003 08 10.93581 | 18 12 52.62 | +56 03 50.1 |        | A46 |
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| C/2001 K5 | 2003 08 06.92999 | 18 14 42.03 | +56 14 21.2 |        | A46 | C/2001 K5 | 2003 08 13.81678 | 18 11 44.10 | +55 55 04.8 | 15.8 N | 235 |
| C/2001 K5 | 2003 08 06.93225 | 18 14 41.96 | +56 14 21.6 |        | A46 | C/2001 K5 | 2003 08 13.87089 | 18 11 42.90 | +55 54 55.1 | 15.8 N | 620 |
| C/2001 K5 | 2003 08 06.96897 | 18 14 40.85 | +56 14 16.2 | 15.6 N | A32 | C/2001 K5 | 2003 08 13.87428 | 18 11 42.82 | +55 54 54.6 | 15.9 N | 620 |
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| C/2001 K5 | 2003 08 06.97135 | 18 14 40.78 | +56 14 16.0 | 16.1 N | 213 | C/2001 K5 | 2003 08 13.88661 | 18 11 42.54 | +55 54 51.7 | 15.6 N | 620 |
| C/2001 K5 | 2003 08 06.97241 | 18 14 40.77 | +56 14 16.3 | 16.1 N | 213 | C/2001 K5 | 2003 08 15.03263 | 18 11 17.76 | +55 51 01.0 | 15.0 N | 017 |
| C/2001 K5 | 2003 08 06.97338 | 18 14 40.75 | +56 14 15.7 | 15.5 N | A32 | C/2001 K5 | 2003 08 15.04339 | 18 11 17.47 | +55 51 01.5 | 15.3 N | 017 |
| C/2001 K5 | 2003 08 07.24002 | 18 14 32.89 | +56 13 37.6 | 15.1 T | H41 | C/2001 K5 | 2003 08 15.82878 | 18 11 01.37 | +55 48 20.8 |        | 048 |
| C/2001 K5 | 2003 08 07.89273 | 18 14 14.24 | +56 12 01.3 |        | A46 | C/2001 K5 | 2003 08 15.83111 | 18 11 01.35 | +55 48 20.7 |        | 048 |
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2003 SEPT. 10

M.P.C. 49393

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| C/2001 K5 | 2003 08 15.91343 | 18 10 59.70 | +55 48 03.1 |        | A46 |
| C/2001 K5 | 2003 08 15.91678 | 18 10 59.64 | +55 48 01.9 |        | A46 |
| C/2001 K5 | 2003 08 15.91789 | 18 10 59.57 | +55 48 02.2 |        | A46 |
| C/2001 K5 | 2003 08 15.91902 | 18 10 59.59 | +55 48 01.9 |        | A46 |
| C/2001 K5 | 2003 08 15.92014 | 18 10 59.57 | +55 48 01.5 |        | A46 |
| C/2001 K5 | 2003 08 16.19604 | 18 10 54.02 | +55 47 06.0 | 15.8 T | H41 |
| C/2001 K5 | 2003 08 16.19999 | 18 10 53.89 | +55 47 03.6 | 15.8 T | H41 |
| C/2001 K5 | 2003 08 16.82769 | 18 10 41.86 | +55 44 51.3 |        | 048 |
| C/2001 K5 | 2003 08 16.82844 | 18 10 41.86 | +55 44 50.9 |        | 048 |
| C/2001 K5 | 2003 08 16.82997 | 18 10 41.80 | +55 44 50.4 |        | 048 |
| C/2001 K5 | 2003 08 16.83074 | 18 10 41.83 | +55 44 50.3 |        | 048 |
| C/2001 K5 | 2003 08 16.83226 | 18 10 41.78 | +55 44 50.2 |        | 048 |
| C/2001 K5 | 2003 08 17.11036 | 18 10 36.54 | +55 43 48.9 | 15.7 T | H41 |
| C/2001 K5 | 2003 08 17.83637 | 18 10 23.29 | +55 41 11.8 |        | 048 |
| C/2001 K5 | 2003 08 17.83784 | 18 10 23.23 | +55 41 11.2 |        | 048 |
| C/2001 K5 | 2003 08 17.83929 | 18 10 23.21 | +55 41 10.9 |        | 048 |
| C/2001 K5 | 2003 08 17.84075 | 18 10 23.12 | +55 41 11.0 |        | 048 |
| C/2001 K5 | 2003 08 17.84515 | 18 10 23.06 | +55 41 10.5 |        | 048 |
| C/2001 K5 | 2003 08 17.92159 | 18 10 21.63 | +55 40 50.2 | 15.8 N | A32 |
| C/2001 K5 | 2003 08 17.96069 | 18 10 20.98 | +55 40 44.5 | 16.2 T | 232 |
| C/2001 K5 | 2003 08 17.96588 | 18 10 20.92 | +55 40 43.9 | 16.2 T | 232 |
| C/2001 K5 | 2003 08 17.97109 | 18 10 20.78 | +55 40 41.4 | 16.2 T | 232 |
| C/2001 K5 | 2003 08 18.18971 | 18 10 16.76 | +55 39 53.0 | 15.7 T | H41 |
| C/2001 K5 | 2003 08 18.20088 | 18 10 16.60 | +55 39 51.1 | 15.8 T | H41 |
| C/2001 K5 | 2003 08 18.25579 | 18 10 15.66 | +55 39 38.6 | 16.6 T | 785 |
| C/2001 K5 | 2003 08 18.27025 | 18 10 15.35 | +55 39 35.7 | 16.4 T | 785 |
| C/2001 K5 | 2003 08 18.92530 | 18 10 04.29 | +55 37 08.3 | 16.0 N | 213 |
| C/2001 K5 | 2003 08 18.92634 | 18 10 04.26 | +55 37 08.5 | 16.0 N | 213 |
| C/2001 K5 | 2003 08 18.92750 | 18 10 04.22 | +55 37 08.1 | 16.0 N | 213 |
| C/2001 K5 | 2003 08 19.85478 | 18 09 49.17 | +55 33 36.1 |        | 204 |
| C/2001 K5 | 2003 08 19.86869 | 18 09 49.03 | +55 33 31.9 | 15.5 N | 442 |
| C/2001 K5 | 2003 08 19.87108 | 18 09 48.95 | +55 33 30.6 | 15.5 N | 442 |
| C/2001 K5 | 2003 08 19.93116 | 18 09 47.93 | +55 33 17.7 |        | 204 |
| C/2001 K5 | 2003 08 19.93201 | 18 09 47.94 | +55 33 17.5 | 16.4 N | 204 |
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| C/2001 K5 | 2003 08 20.82321 | 18 09 34.49 | +55 29 47.3 |        | 048 |
| C/2001 K5 | 2003 08 20.82551 | 18 09 34.41 | +55 29 46.4 |        | 048 |
| C/2001 K5 | 2003 08 20.90757 | 18 09 33.18 | +55 29 26.6 |        | A46 |
| C/2001 K5 | 2003 08 20.90869 | 18 09 33.17 | +55 29 26.3 |        | A46 |
| C/2001 K5 | 2003 08 20.91204 | 18 09 33.13 | +55 29 25.7 |        | A46 |
| C/2001 K5 | 2003 08 20.91316 | 18 09 33.11 | +55 29 25.1 |        | A46 |
| C/2001 K5 | 2003 08 20.91427 | 18 09 33.08 | +55 29 24.6 |        | A46 |
| C/2001 K5 | 2003 08 20.91538 | 18 09 33.08 | +55 29 24.7 |        | A46 |
| C/2001 K5 | 2003 08 20.92166 | 18 09 32.92 | +55 29 24.5 | 15.8 N | 235 |
| C/2001 K5 | 2003 08 21.06623 | 18 09 30.73 | +55 28 49.4 | 15.6 N | 017 |
| C/2001 K5 | 2003 08 22.85822 | 18 09 07.15 | +55 21 31.4 | 15.9 N | 235 |
| C/2001 K5 | 2003 08 22.89398 | 18 09 06.52 | +55 21 22.5 |        | A46 |
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| C/2001 K5 | 2003 08 22.97502 | 18 09 05.51 | +55 21 01.5 | 16.2 N | 213 |
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| C/2001 K5 | 2003 08 24.85625 | 18 08 44.68 | +55 13 01.3 | 16.4 N | 939 |
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| C/2001 K5 | 2003 08 24.90449 | 18 08 44.07 | +55 12 47.2 | 15.7 N | A32 |
| C/2001 K5 | 2003 08 24.91037 | 18 08 44.04 | +55 12 46.4 | 15.7 N | A32 |
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| C/2001 K5 | 2003 08 26.81758 | 18 08 27.10 | +55 04 23.7 |        | 048 |
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| C/2001 K5 | 2003 08 26.82050 | 18 08 27.07 | +55 04 22.8 |        | 048 |
| C/2001 K5 | 2003 08 26.82194 | 18 08 27.01 | +55 04 22.4 |        | 048 |
| C/2001 K5 | 2003 08 26.87031 | 18 08 26.65 | +55 04 12.4 | 16.1 N | 235 |
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| C/2001 K5 | 2003 08 26.87778 | 18 08 26.56 | +55 04 06.8 |        | A46 |
| C/2001 K5 | 2003 08 26.87891 | 18 08 26.56 | +55 04 06.9 |        | A46 |
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| C/2001 K5 | 2003 08 26.98943 | 18 08 25.73 | +55 03 35.7 | 16.4 N | 213 |
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| C/2001 K5 | 2003 08 29.89073 | 18 08 08.45 | +54 50 16.9 | 15.7 N | 442 |
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| C/2001 K5 | 2003 08 30.89166 | 18 08 04.81 | +54 45 31.7 | 16.2 N | 232 |
| C/2001 K5 | 2003 08 30.89682 | 18 08 04.79 | +54 45 30.2 | 16.2 N | 232 |

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| C/2001 K5 | 2003 08 30.90201 | 18 08 04.79 | +54 45 28.2 | 16.2 N | 232 |
| C/2001 K5 | 2003 08 30.90793 | 18 08 04.73 | +54 45 23.7 | 16.3 N | 939 |
| C/2001 K5 | 2003 08 30.91550 | 18 08 04.68 | +54 45 22.5 | 16.2 N | 939 |
| C/2001 K5 | 2003 08 31.00664 | 18 08 04.36 | +54 45 00.1 | 16.1 N | 235 |
| C/2001 K5 | 2003 09 04.02801 | 18 08 01.83 | +54 25 16.7 | 16.0 N | 235 |
| C/2001 K5 | 2003 09 05.29525 | 18 08 04.65 | +54 18 55.2 | 16.8 T | 785 |
| C/2001 K5 | 2003 09 05.31019 | 18 08 04.71 | +54 18 50.2 | 16.3 T | 785 |
| C/2001 K5 | 2003 09 05.79120 | 18 08 06.45 | +54 16 24.1 |        | 048 |
| C/2001 K5 | 2003 09 05.79265 | 18 08 06.45 | +54 16 23.5 |        | 048 |
| C/2001 K5 | 2003 09 05.79554 | 18 08 06.47 | +54 16 22.2 |        | 048 |
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| C/2001 K5 | 2003 09 05.79992 | 18 08 06.52 | +54 16 20.9 |        | 048 |
| C/2001 K5 | 2003 09 05.84169 | 18 08 06.64 | +54 16 07.9 |        | A46 |
| C/2001 K5 | 2003 09 05.84280 | 18 08 06.65 | +54 16 08.0 |        | A46 |
| C/2001 K5 | 2003 09 05.84391 | 18 08 06.63 | +54 16 08.0 |        | A46 |
| C/2001 K5 | 2003 09 05.84503 | 18 08 06.63 | +54 16 07.2 |        | A46 |
| C/2001 K5 | 2003 09 05.84615 | 18 08 06.63 | +54 16 06.8 |        | A46 |
| C/2001 K5 | 2003 09 05.84728 | 18 08 06.60 | +54 16 07.0 |        | A46 |
| C/2001 K5 | 2003 09 05.85541 | 18 08 07.19 | +54 16 01.6 | 16.1 N | 442 |
| C/2001 K5 | 2003 09 05.85642 | 18 08 06.79 | +54 16 04.7 | 16.1 N | 442 |
| C/2001 K5 | 2003 09 05.85986 | 18 08 06.78 | +54 16 03.8 | 16.1 N | 442 |
| C/2001 K5 | 2003 09 05.86242 | 18 08 06.75 | +54 16 02.9 | 16.0 N | 442 |
| C/2001 K5 | 2003 09 06.13256 | 18 08 07.66 | +54 14 37.6 | 15.7 T | H41 |
| C/2001 K5 | 2003 09 06.78762 | 18 08 10.66 | +54 11 18.5 |        | 048 |
| C/2001 K5 | 2003 09 06.78907 | 18 08 10.63 | +54 11 18.0 |        | 048 |
| C/2001 K5 | 2003 09 06.79052 | 18 08 10.66 | +54 11 17.6 |        | 048 |
| C/2001 K5 | 2003 09 06.79198 | 18 08 10.65 | +54 11 17.3 |        | 048 |
| C/2001 K5 | 2003 09 06.79491 | 18 08 10.66 | +54 11 16.8 |        | 048 |

## C/2001 Q4 (NEAT)

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| C/2001 Q4 | 2003 08 07.26578 | 04 08 51.49 | -43 11 13.5 |        | I31 |
| C/2001 Q4 | 2003 09 03.74160 | 04 30 33.44 | -51 53 57.2 | 14.1 N | E14 |
| C/2001 Q4 | 2003 09 03.74525 | 04 30 33.58 | -51 54 01.8 | 14.3 N | E14 |
| C/2001 Q4 | 2003 09 03.74888 | 04 30 33.72 | -51 54 06.6 | 14.2 N | E14 |

C/2002 CE<sub>10</sub> (LINEAR)

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| C/2002 CE <sub>10</sub> | 2002 01 15.44324 | 09 42 02.16 | +24 38 26.7 | 19.5 N | 1 608 |
| C/2002 CE <sub>10</sub> | 2002 01 15.45424 | 09 42 01.44 | +24 38 33.4 | 19.4 N | 1 608 |
| C/2002 CE <sub>10</sub> | 2002 02 03.40054 | 09 19 14.04 | +27 38 45.8 | 20.1 N | 1 644 |
| C/2002 CE <sub>10</sub> | 2002 02 03.41087 | 09 19 13.23 | +27 38 51.1 | 20.0 N | 1 644 |
| C/2002 CE <sub>10</sub> | 2002 02 03.42138 | 09 19 12.37 | +27 38 56.7 | 20.1 N | 1 644 |
| C/2002 CE <sub>10</sub> | 2002 02 06.31522 | 09 15 20.96 | +28 05 14.5 | 19.4 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 06.33016 | 09 15 19.86 | +28 05 22.7 | 20.1 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 06.34516 | 09 15 18.58 | +28 05 31.7 | 19.7 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 06.37533 | 09 15 16.07 | +28 05 46.9 | 20.2 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 07.22840 | 09 14 07.27 | +28 13 24.4 | 19.6 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 07.24252 | 09 14 06.03 | +28 13 31.7 | 20.4 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 07.25705 | 09 14 04.86 | +28 13 39.7 | 20.2 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 07.27135 | 09 14 03.66 | +28 13 47.9 | 20.2 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 07.28805 | 09 14 02.28 | +28 13 56.1 | 19.6 N | 704   |
| C/2002 CE <sub>10</sub> | 2002 02 10.25035 | 09 10 00.74 | +28 39 55.1 | 19.8 N | 704   |

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|-------------------------|------------------|-------------|-------------|--------|-----|
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| C/2002 CE <sub>10</sub> | 2002 02 10.28172 | 09 09 58.18 | +28 40 10.2 | 20.5 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 10.31139 | 09 09 55.79 | +28 40 26.6 | 20.1 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 11.64290 | 09 08 06.29 | +28 51 51.3 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 02 11.64521 | 09 08 06.09 | +28 51 51.5 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 02 11.64750 | 09 08 05.93 | +28 51 53.2 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 02 12.20595 | 09 07 20.12 | +28 56 34.1 | 19.8 N | 651 |
| C/2002 CE <sub>10</sub> | 2002 02 12.20940 | 09 07 19.81 | +28 56 37.2 | 19.7 N | 651 |
| C/2002 CE <sub>10</sub> | 2002 02 12.21044 | 09 07 19.68 | +28 56 36.6 | 19.0 N | 711 |
| C/2002 CE <sub>10</sub> | 2002 02 12.21337 | 09 07 19.43 | +28 56 38.5 | 20.1 N | 651 |
| C/2002 CE <sub>10</sub> | 2002 02 12.22090 | 09 07 18.81 | +28 56 42.3 | 19.0 N | 711 |
| C/2002 CE <sub>10</sub> | 2002 02 12.22896 | 09 07 18.18 | +28 56 46.3 | 19.5 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.23136 | 09 07 17.94 | +28 56 47.3 | 19.1 N | 711 |
| C/2002 CE <sub>10</sub> | 2002 02 12.24319 | 09 07 17.01 | +28 56 53.5 | 19.7 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.25266 | 09 07 16.16 | +28 56 57.8 | 19.8 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.25743 | 09 07 15.79 | +28 57 00.6 | 19.6 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.26866 | 09 07 14.84 | +28 57 07.3 | 20.2 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.27189 | 09 07 14.61 | +28 57 08.0 | 19.4 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.28340 | 09 07 13.61 | +28 57 15.0 | 19.8 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.28612 | 09 07 13.40 | +28 57 16.6 | 19.9 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.29951 | 09 07 12.25 | +28 57 22.0 | 20.2 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 12.96522 | 09 06 17.39 | +29 02 55.9 | 19.4 N | 966 |
| C/2002 CE <sub>10</sub> | 2002 02 12.97936 | 09 06 16.25 | +29 03 02.7 | 19.5 N | 966 |
| C/2002 CE <sub>10</sub> | 2002 02 13.16266 | 09 06 01.22 | +29 04 34.3 | 19.2 N | 711 |
| C/2002 CE <sub>10</sub> | 2002 02 13.17311 | 09 06 00.24 | +29 04 40.6 | 19.3 N | 711 |
| C/2002 CE <sub>10</sub> | 2002 02 13.18355 | 09 05 59.40 | +29 04 45.7 | 19.6 N | 711 |
| C/2002 CE <sub>10</sub> | 2002 02 13.25067 | 09 05 53.89 | +29 05 19.2 | 20.0 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 13.26398 | 09 05 52.76 | +29 05 24.3 | 19.4 N | 448 |
| C/2002 CE <sub>10</sub> | 2002 02 13.26547 | 09 05 52.63 | +29 05 25.7 | 20.0 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 13.27116 | 09 05 52.16 | +29 05 26.7 | 19.0 N | 448 |
| C/2002 CE <sub>10</sub> | 2002 02 13.27898 | 09 05 51.58 | +29 05 31.5 | 19.4 N | 448 |
| C/2002 CE <sub>10</sub> | 2002 02 13.28034 | 09 05 51.40 | +29 05 33.4 | 20.1 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 13.29520 | 09 05 50.17 | +29 05 41.2 | 19.9 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 02 15.65419 | 09 02 35.23 | +29 24 57.1 | 19.6 N | 867 |
| C/2002 CE <sub>10</sub> | 2002 02 15.65766 | 09 02 34.93 | +29 24 58.7 |        | 867 |
| C/2002 CE <sub>10</sub> | 2002 02 15.66113 | 09 02 34.65 | +29 25 00.5 |        | 867 |
| C/2002 CE <sub>10</sub> | 2002 03 06.51820 | 08 37 24.46 | +31 32 41.9 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 03 06.52051 | 08 37 24.29 | +31 32 42.7 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 04 02.45857 | 08 09 48.02 | +33 11 31.4 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 04 02.46181 | 08 09 47.86 | +33 11 31.4 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 04 02.46503 | 08 09 47.69 | +33 11 31.5 |        | 413 |
| C/2002 CE <sub>10</sub> | 2002 11 11.40395 | 08 57 57.03 | +49 05 24.1 | 18.2 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 11.42048 | 08 57 56.21 | +49 05 46.6 | 18.7 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 11.43710 | 08 57 55.30 | +49 06 09.5 | 18.4 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 11.45352 | 08 57 54.46 | +49 06 32.4 | 18.4 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 11.47023 | 08 57 53.65 | +49 06 55.1 | 18.4 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 16.40726 | 08 52 53.72 | +51 05 56.9 | 17.9 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 16.42390 | 08 52 52.44 | +51 06 22.5 | 18.2 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 16.44039 | 08 52 51.24 | +51 06 48.3 | 18.5 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 16.45658 | 08 52 50.02 | +51 07 12.8 | 18.4 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 16.47301 | 08 52 48.79 | +51 07 37.5 | 18.9 N | 704 |
| C/2002 CE <sub>10</sub> | 2002 11 28.67693 | 08 30 27.93 | +56 44 34.2 | 18.1 N | 360 |
| C/2002 CE <sub>10</sub> | 2002 11 28.67997 | 08 30 27.43 | +56 44 39.4 |        | 360 |

2003 SEPT. 10

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|                         |                  |             |             |            |
|-------------------------|------------------|-------------|-------------|------------|
| C/2002 CE <sub>10</sub> | 2002 11 28.68274 | 08 30 27.01 | +56 44 44.4 | 360        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83006 | 07 44 37.74 | +62 44 12.8 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83153 | 07 44 37.30 | +62 44 15.6 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83300 | 07 44 36.90 | +62 44 17.7 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83447 | 07 44 36.30 | +62 44 20.2 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83594 | 07 44 35.87 | +62 44 23.2 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83741 | 07 44 35.49 | +62 44 25.6 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.83888 | 07 44 35.00 | +62 44 27.5 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.84035 | 07 44 34.49 | +62 44 30.2 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.84183 | 07 44 34.03 | +62 44 32.6 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.84331 | 07 44 33.62 | +62 44 35.6 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 10.84477 | 07 44 33.17 | +62 44 38.2 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.87907 | 07 39 03.41 | +63 13 17.4 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.88054 | 07 39 02.52 | +63 13 19.1 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.88200 | 07 39 02.48 | +63 13 22.1 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.88347 | 07 39 01.93 | +63 13 24.5 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.88786 | 07 39 00.42 | +63 13 31.7 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.88933 | 07 38 59.98 | +63 13 33.8 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89080 | 07 38 59.51 | +63 13 36.3 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89228 | 07 38 59.03 | +63 13 39.3 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89375 | 07 38 58.47 | +63 13 41.3 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89522 | 07 38 57.96 | +63 13 44.2 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89672 | 07 38 57.52 | +63 13 46.8 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89821 | 07 38 57.08 | +63 13 49.0 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 11.89968 | 07 38 56.71 | +63 13 52.3 | A46        |
| C/2002 CE <sub>10</sub> | 2002 12 13.30233 | 07 31 00.65 | +63 51 30.9 | 17.3 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 13.33374 | 07 30 49.51 | +63 52 19.9 | 17.5 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 13.34930 | 07 30 43.98 | +63 52 44.0 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 13.36450 | 07 30 38.57 | +63 53 08.0 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 14.35780 | 07 24 40.21 | +64 18 42.8 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 14.37244 | 07 24 34.63 | +64 19 05.7 | 18.1 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 14.38713 | 07 24 29.25 | +64 19 27.2 | 17.8 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 14.40166 | 07 24 23.87 | +64 19 49.6 | 17.8 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 14.41651 | 07 24 18.29 | +64 20 12.0 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.35521 | 07 18 23.02 | +64 43 27.3 | 17.3 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.36639 | 07 18 18.71 | +64 43 43.7 | 17.3 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.37011 | 07 18 17.20 | +64 43 49.1 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.38179 | 07 18 12.71 | +64 44 06.1 | 17.4 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.38473 | 07 18 11.51 | +64 44 10.0 | 17.4 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.39704 | 07 18 06.74 | +64 44 28.6 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.39943 | 07 18 05.72 | +64 44 31.6 | 17.4 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.41227 | 07 18 00.78 | +64 44 50.3 | 17.5 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.41435 | 07 17 59.93 | +64 44 53.3 | 17.3 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 15.42761 | 07 17 54.78 | +64 45 12.6 | 17.2 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 26.15405 | 05 53 26.12 | +67 37 57.6 | 17.2 N 726 |
| C/2002 CE <sub>10</sub> | 2002 12 26.15752 | 05 53 24.09 | +67 37 58.3 | 17.2 N 726 |
| C/2002 CE <sub>10</sub> | 2002 12 26.16100 | 05 53 22.40 | +67 37 59.6 | 16.8 N 726 |
| C/2002 CE <sub>10</sub> | 2002 12 26.16447 | 05 53 20.72 | +67 38 00.3 | 16.7 N 726 |
| C/2002 CE <sub>10</sub> | 2002 12 27.23229 | 05 43 43.59 | +67 43 10.6 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 27.24654 | 05 43 35.81 | +67 43 13.3 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 27.27497 | 05 43 20.31 | +67 43 19.3 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 27.28925 | 05 43 12.46 | +67 43 20.4 | 18.4 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 28.20887 | 05 34 52.28 | +67 45 38.9 | 17.1 N 704 |

|                         |                  |             |             |            |
|-------------------------|------------------|-------------|-------------|------------|
| C/2002 CE <sub>10</sub> | 2002 12 28.22313 | 05 34 44.46 | +67 45 40.2 | 17.5 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 28.23747 | 05 34 36.57 | +67 45 41.5 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 28.25204 | 05 34 28.55 | +67 45 42.7 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2002 12 28.26636 | 05 34 20.70 | +67 45 43.6 | 17.9 N 704 |
| C/2002 CE <sub>10</sub> | 2003 01 09.81577 | 03 49 58.24 | +65 20 03.2 | 17.9 N 198 |
| C/2002 CE <sub>10</sub> | 2003 01 09.82009 | 03 49 56.43 | +65 19 57.5 | 17.9 N 198 |
| C/2002 CE <sub>10</sub> | 2003 01 09.82442 | 03 49 54.61 | +65 19 51.9 | 17.9 N 198 |
| C/2002 CE <sub>10</sub> | 2003 01 23.09118 | 02 42 32.51 | +59 17 14.6 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2003 01 23.10619 | 02 42 29.32 | +59 16 47.7 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2003 01 23.12204 | 02 42 25.95 | +59 16 19.6 | 18.1 N 704 |
| C/2002 CE <sub>10</sub> | 2003 01 23.13704 | 02 42 22.76 | +59 15 52.8 | 17.4 N 704 |
| C/2002 CE <sub>10</sub> | 2003 01 23.15220 | 02 42 19.54 | +59 15 25.7 | 17.6 N 704 |
| C/2002 CE <sub>10</sub> | 2003 02 23.09706 | 01 52 47.42 | +46 22 47.8 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2003 02 23.11263 | 01 52 46.92 | +46 22 30.3 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2003 02 23.12839 | 01 52 46.50 | +46 22 13.2 | 17.9 N 704 |
| C/2002 CE <sub>10</sub> | 2003 02 23.14432 | 01 52 46.02 | +46 21 55.5 | 17.7 N 704 |
| C/2002 CE <sub>10</sub> | 2003 02 23.16018 | 01 52 45.58 | +46 21 38.2 | 17.9 N 704 |
| C/2002 CE <sub>10</sub> | 2003 02 27.73948 | 01 50 57.49 | +45 01 18.8 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 02.71313 | 01 50 09.93 | +44 13 38.9 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 03.70411 | 01 49 57.41 | +43 58 29.8 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 04.70282 | 01 49 46.55 | +43 43 37.5 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 04.70724 | 01 49 46.59 | +43 43 34.0 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 07.74430 | 01 49 22.47 | +43 00 31.5 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 20.79256 | 01 49 40.78 | +40 29 32.8 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 21.75962 | 01 49 48.12 | +40 20 18.2 | 084        |
| C/2002 CE <sub>10</sub> | 2003 03 25.73407 | 01 50 24.99 | +39 44 46.4 | 084        |
| C/2002 CE <sub>10</sub> | 2003 07 19.36601 | 01 34 19.10 | +35 11 51.3 | 17.1 N 704 |
| C/2002 CE <sub>10</sub> | 2003 07 19.37606 | 01 34 18.08 | +35 11 49.0 | 17.2 N 704 |
| C/2002 CE <sub>10</sub> | 2003 07 19.38599 | 01 34 17.07 | +35 11 46.8 | 17.0 N 704 |
| C/2002 CE <sub>10</sub> | 2003 07 19.39607 | 01 34 16.03 | +35 11 44.5 | 17.3 N 704 |
| C/2002 CE <sub>10</sub> | 2003 07 19.40600 | 01 34 15.04 | +35 11 42.1 | 17.1 N 704 |
| C/2002 CE <sub>10</sub> | 2003 08 02.99014 | 01 01 26.85 | +33 24 00.3 | 16.5 N 215 |
| C/2002 CE <sub>10</sub> | 2003 08 02.99054 | 01 01 26.75 | +33 24 00.0 | 16.4 N 215 |
| C/2002 CE <sub>10</sub> | 2003 08 02.99094 | 01 01 26.71 | +33 23 59.7 | 16.6 N 215 |
| C/2002 CE <sub>10</sub> | 2003 08 08.95220 | 00 42 34.79 | +31 57 03.9 | 16.2 N J87 |
| C/2002 CE <sub>10</sub> | 2003 08 08.95478 | 00 42 34.15 | +31 57 01.1 | 16.1 N J87 |
| C/2002 CE <sub>10</sub> | 2003 08 08.95650 | 00 42 33.86 | +31 56 59.6 | 16.3 N J87 |
| C/2002 CE <sub>10</sub> | 2003 08 09.94183 | 00 39 06.83 | +31 39 09.4 | 16.4 N 130 |
| C/2002 CE <sub>10</sub> | 2003 08 09.94490 | 00 39 06.17 | +31 39 05.8 | 16.2 N 130 |
| C/2002 CE <sub>10</sub> | 2003 08 09.94797 | 00 39 05.52 | +31 39 02.8 | 16.5 N 130 |
| C/2002 CE <sub>10</sub> | 2003 08 09.95105 | 00 39 04.87 | +31 38 59.2 | 16.3 N 130 |
| C/2002 CE <sub>10</sub> | 2003 08 13.94531 | 00 24 08.59 | +30 14 45.1 | 16.0 N 120 |
| C/2002 CE <sub>10</sub> | 2003 08 13.94951 | 00 24 07.61 | +30 14 39.1 | 15.7 N 120 |
| C/2002 CE <sub>10</sub> | 2003 08 19.92565 | 23 59 07.91 | +27 27 54.6 | 16.1 N 196 |
| C/2002 CE <sub>10</sub> | 2003 08 19.94325 | 23 59 03.10 | +27 27 19.9 | 16.0 N 196 |
| C/2002 CE <sub>10</sub> | 2003 08 19.95582 | 23 58 59.79 | +27 26 56.6 | 15.9 N 232 |
| C/2002 CE <sub>10</sub> | 2003 08 19.96039 | 23 58 58.61 | +27 26 47.1 | 16.1 N 196 |
| C/2002 CE <sub>10</sub> | 2003 08 19.96095 | 23 58 58.42 | +27 26 46.4 | 15.9 N 232 |
| C/2002 CE <sub>10</sub> | 2003 08 19.96867 | 23 58 56.38 | +27 26 31.1 | 16.0 N 232 |
| C/2002 CE <sub>10</sub> | 2003 08 19.97637 | 23 58 54.30 | +27 26 16.0 | 16.0 N 232 |
| C/2002 CE <sub>10</sub> | 2003 08 20.21293 | 23 57 51.20 | +27 18 39.9 | 16.1 N 859 |
| C/2002 CE <sub>10</sub> | 2003 08 20.21455 | 23 57 50.64 | +27 18 35.2 | 16.1 N 859 |
| C/2002 CE <sub>10</sub> | 2003 08 20.21615 | 23 57 50.40 | +27 18 33.8 | 16.3 N 859 |

|                         |                  |             |             |        |     |                         |                  |             |             |            |
|-------------------------|------------------|-------------|-------------|--------|-----|-------------------------|------------------|-------------|-------------|------------|
| C/2002 CE <sub>10</sub> | 2003 08 20.60317 | 23 56 07.23 | +27 05 38.4 | 16.3 N | 300 | C/2002 CE <sub>10</sub> | 2003 08 25.93136 | 23 31 31.73 | +23 45 09.9 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 20.60735 | 23 56 06.15 | +27 05 30.3 | 16.1 N | 300 | C/2002 CE <sub>10</sub> | 2003 08 25.93315 | 23 31 31.25 | +23 45 05.7 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 20.61152 | 23 56 04.97 | +27 05 21.7 | 16.3 N | 300 | C/2002 CE <sub>10</sub> | 2003 08 25.93587 | 23 31 30.47 | +23 44 58.7 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 20.61568 | 23 56 03.86 | +27 05 14.2 | 16.0 N | 300 | C/2002 CE <sub>10</sub> | 2003 08 25.93896 | 23 31 29.56 | +23 44 51.3 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 20.61985 | 23 56 02.69 | +27 05 04.7 | 16.0 N | 300 | C/2002 CE <sub>10</sub> | 2003 08 25.94246 | 23 31 28.57 | +23 44 42.6 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 20.62402 | 23 56 01.60 | +27 04 57.6 | 16.6 N | 300 | C/2002 CE <sub>10</sub> | 2003 08 25.94482 | 23 31 27.81 | +23 44 36.0 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 20.99271 | 23 54 22.49 | +26 52 28.5 | 15.9 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 03.32528 | 22 51 21.84 | +17 06 44.3 | 15.0 N 704 |
| C/2002 CE <sub>10</sub> | 2003 08 21.01387 | 23 54 16.75 | +26 51 45.3 | 15.8 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 03.33682 | 22 51 18.53 | +17 06 08.0 | 15.2 N 704 |
| C/2002 CE <sub>10</sub> | 2003 08 21.06210 | 23 54 03.66 | +26 50 06.8 | 15.9 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 03.34836 | 22 51 15.21 | +17 05 31.9 | 15.7 N 704 |
| C/2002 CE <sub>10</sub> | 2003 08 21.27928 | 23 53 05.24 | +26 42 38.5 | 15.8 N | 642 | C/2002 CE <sub>10</sub> | 2003 09 03.59520 | 22 50 05.20 | +16 52 36.8 | 360        |
| C/2002 CE <sub>10</sub> | 2003 08 21.28130 | 23 53 04.69 | +26 42 34.4 |        | 642 | C/2002 CE <sub>10</sub> | 2003 09 03.59787 | 22 50 04.41 | +16 52 28.1 | 360        |
| C/2002 CE <sub>10</sub> | 2003 08 21.28426 | 23 53 03.86 | +26 42 28.2 |        | 642 | C/2002 CE <sub>10</sub> | 2003 09 03.60034 | 22 50 03.74 | +16 52 20.7 | 360        |
| C/2002 CE <sub>10</sub> | 2003 08 21.95365 | 23 50 01.97 | +26 19 02.3 | 15.8 N | 213 | C/2002 CE <sub>10</sub> | 2003 09 03.60794 | 22 50 01.53 | +16 51 56.5 | 15.3 N 360 |
| C/2002 CE <sub>10</sub> | 2003 08 21.95427 | 23 50 01.79 | +26 19 01.1 | 15.9 N | 213 | C/2002 CE <sub>10</sub> | 2003 09 03.89297 | 22 48 40.85 | +16 36 55.9 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 21.95549 | 23 50 01.44 | +26 18 58.5 | 15.9 N | 213 | C/2002 CE <sub>10</sub> | 2003 09 03.89646 | 22 48 39.83 | +16 36 46.0 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.65907 | 23 46 48.33 | +25 53 35.0 | 15.3 N | 355 | C/2002 CE <sub>10</sub> | 2003 09 03.89878 | 22 48 39.25 | +16 36 38.9 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.66031 | 23 46 47.99 | +25 53 31.7 |        | 355 | C/2002 CE <sub>10</sub> | 2003 09 03.90255 | 22 48 38.09 | +16 36 26.1 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.66169 | 23 46 47.58 | +25 53 29.3 |        | 355 | C/2002 CE <sub>10</sub> | 2003 09 03.90562 | 22 48 37.26 | +16 36 16.9 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.66401 | 23 46 46.95 | +25 53 24.2 |        | 355 | C/2002 CE <sub>10</sub> | 2003 09 03.90858 | 22 48 36.35 | +16 36 06.8 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.87748 | 23 45 48.40 | +25 45 30.7 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 03.91230 | 22 48 35.35 | +16 35 56.0 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.87954 | 23 45 47.84 | +25 45 25.8 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 03.91693 | 22 48 34.06 | +16 35 41.2 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.88038 | 23 45 47.49 | +25 45 23.7 | 15.9 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 03.91859 | 22 48 33.53 | +16 35 36.1 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.88105 | 23 45 47.42 | +25 45 22.5 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 03.92234 | 22 48 32.49 | +16 35 23.7 | A30        |
| C/2002 CE <sub>10</sub> | 2003 08 22.88383 | 23 45 46.63 | +25 45 16.7 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.01137 | 22 43 25.17 | +15 37 34.3 | 204        |
| C/2002 CE <sub>10</sub> | 2003 08 22.88731 | 23 45 45.66 | +25 45 09.0 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.01221 | 22 43 24.90 | +15 37 31.6 | 15.1 T 204 |
| C/2002 CE <sub>10</sub> | 2003 08 22.88899 | 23 45 45.26 | +25 45 05.2 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.01305 | 22 43 24.68 | +15 37 28.7 | 204        |
| C/2002 CE <sub>10</sub> | 2003 08 22.89451 | 23 45 43.65 | +25 44 53.4 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.01390 | 22 43 24.46 | +15 37 26.2 | 204        |
| C/2002 CE <sub>10</sub> | 2003 08 22.89616 | 23 45 43.21 | +25 44 49.8 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.01474 | 22 43 24.23 | +15 37 23.5 | 204        |
| C/2002 CE <sub>10</sub> | 2003 08 22.89822 | 23 45 42.66 | +25 44 45.0 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.01668 | 22 43 23.67 | +15 37 17.2 | 15.2 T 204 |
| C/2002 CE <sub>10</sub> | 2003 08 22.90223 | 23 45 41.54 | +25 44 35.6 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.02328 | 22 43 21.80 | +15 36 55.6 | 557        |
| C/2002 CE <sub>10</sub> | 2003 08 22.94392 | 23 45 29.85 | +25 43 02.7 | 15.9 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 05.03586 | 22 43 18.24 | +15 36 15.1 | 557        |
| C/2002 CE <sub>10</sub> | 2003 08 22.99187 | 23 45 16.56 | +25 41 16.0 | 15.8 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 05.05645 | 22 43 12.43 | +15 35 09.0 | 557        |
| C/2002 CE <sub>10</sub> | 2003 08 23.02435 | 23 45 07.49 | +25 40 03.8 | 15.9 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 05.12172 | 22 42 54.05 | +15 31 38.9 | 557        |
| C/2002 CE <sub>10</sub> | 2003 08 23.89485 | 23 41 05.79 | +25 07 02.0 | 15.8 N | 469 | C/2002 CE <sub>10</sub> | 2003 09 05.12699 | 22 42 52.56 | +15 31 22.0 | 557        |
| C/2002 CE <sub>10</sub> | 2003 08 23.89931 | 23 41 04.54 | +25 06 51.7 | 15.8 N | 469 | C/2002 CE <sub>10</sub> | 2003 09 05.28729 | 22 42 07.85 | +15 22 49.1 | 14.9 T H41 |
| C/2002 CE <sub>10</sub> | 2003 08 23.90347 | 23 41 03.37 | +25 06 42.2 | 15.8 N | 469 | C/2002 CE <sub>10</sub> | 2003 09 05.29707 | 22 42 05.12 | +15 22 17.7 | 14.8 T H41 |
| C/2002 CE <sub>10</sub> | 2003 08 23.90897 | 23 41 01.85 | +25 06 29.6 | 15.8 N | 469 | C/2002 CE <sub>10</sub> | 2003 09 05.30101 | 22 42 04.01 | +15 22 05.0 | 14.8 T H41 |
| C/2002 CE <sub>10</sub> | 2003 08 23.91418 | 23 41 00.34 | +25 06 17.3 | 15.8 N | 469 | C/2002 CE <sub>10</sub> | 2003 09 05.67510 | 22 40 19.51 | +15 01 57.3 | 15.7 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 23.91701 | 23 40 59.55 | +25 06 10.6 | 15.9 N | 469 | C/2002 CE <sub>10</sub> | 2003 09 05.67590 | 22 40 19.24 | +15 01 54.7 | 15.4 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 23.94865 | 23 40 50.62 | +25 04 57.6 | 15.8 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 05.67670 | 22 40 18.98 | +15 01 51.9 | 15.7 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 23.98674 | 23 40 39.93 | +25 03 29.2 | 15.9 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 05.67927 | 22 40 18.28 | +15 01 44.1 | 15.4 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 24.00764 | 23 40 34.02 | +25 02 40.5 |        | 557 | C/2002 CE <sub>10</sub> | 2003 09 05.68087 | 22 40 17.85 | +15 01 38.4 | 15.4 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 24.02687 | 23 40 28.59 | +25 01 55.7 |        | 557 | C/2002 CE <sub>10</sub> | 2003 09 05.68461 | 22 40 16.74 | +15 01 26.4 | 15.7 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 24.03395 | 23 40 26.65 | +25 01 39.3 | 15.8 N | 196 | C/2002 CE <sub>10</sub> | 2003 09 05.68620 | 22 40 16.34 | +15 01 21.3 | 15.6 N 379 |
| C/2002 CE <sub>10</sub> | 2003 08 24.04740 | 23 40 22.82 | +25 01 07.8 |        | 557 | C/2002 CE <sub>10</sub> | 2003 09 05.82689 | 22 39 37.69 | +14 53 45.0 | 15.5 N J87 |
| C/2002 CE <sub>10</sub> | 2003 08 24.19965 | 23 39 40.55 | +24 55 10.7 | 15.9 N | 921 | C/2002 CE <sub>10</sub> | 2003 09 05.83053 | 22 39 36.58 | +14 53 33.2 | 15.7 N J87 |
| C/2002 CE <sub>10</sub> | 2003 08 24.21311 | 23 39 36.79 | +24 54 40.6 | 15.7 N | 921 | C/2002 CE <sub>10</sub> | 2003 09 05.83281 | 22 39 36.03 | +14 53 25.9 | 15.5 N J87 |
| C/2002 CE <sub>10</sub> | 2003 08 25.89715 | 23 31 41.57 | +23 46 35.2 | 15.8 N | J87 | C/2002 CE <sub>10</sub> | 2003 09 05.85222 | 22 39 30.37 | +14 52 22.3 | 048        |
| C/2002 CE <sub>10</sub> | 2003 08 25.90244 | 23 31 40.09 | +23 46 22.0 | 16.1 N | J87 | C/2002 CE <sub>10</sub> | 2003 09 05.85510 | 22 39 29.58 | +14 52 13.1 | 048        |
| C/2002 CE <sub>10</sub> | 2003 08 25.90705 | 23 31 38.77 | +23 46 10.6 | 16.2 N | J87 | C/2002 CE <sub>10</sub> | 2003 09 05.85656 | 22 39 29.14 | +14 52 08.3 | 048        |
| C/2002 CE <sub>10</sub> | 2003 08 25.92096 | 23 31 34.73 | +23 45 36.1 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.85801 | 22 39 28.78 | +14 52 03.6 | 048        |
| C/2002 CE <sub>10</sub> | 2003 08 25.92689 | 23 31 33.09 | +23 45 21.3 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.86090 | 22 39 27.98 | +14 51 54.3 | 048        |
| C/2002 CE <sub>10</sub> | 2003 08 25.92937 | 23 31 32.34 | +23 45 15.3 |        | A30 | C/2002 CE <sub>10</sub> | 2003 09 05.88957 | 22 39 20.10 | +14 50 22.5 | 15.0 N 213 |

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|                         |                  |             |             |        |     |
|-------------------------|------------------|-------------|-------------|--------|-----|
| C/2002 CE <sub>10</sub> | 2003 09 05.89124 | 22 39 19.63 | +14 50 17.1 | 15.0 N | 213 |
| C/2002 CE <sub>10</sub> | 2003 09 05.89264 | 22 39 19.24 | +14 50 12.5 | 15.0 N | 213 |
| C/2002 CE <sub>10</sub> | 2003 09 05.89623 | 22 39 18.22 | +14 50 00.8 | 15.0 N | 213 |
| C/2002 CE <sub>10</sub> | 2003 09 06.01698 | 22 38 44.35 | +14 43 29.1 |        | A46 |
| C/2002 CE <sub>10</sub> | 2003 09 06.01788 | 22 38 44.09 | +14 43 26.1 |        | A46 |
| C/2002 CE <sub>10</sub> | 2003 09 06.01877 | 22 38 43.83 | +14 43 23.3 |        | A46 |
| C/2002 CE <sub>10</sub> | 2003 09 06.02433 | 22 38 42.28 | +14 43 05.1 |        | A46 |
| C/2002 CE <sub>10</sub> | 2003 09 06.02522 | 22 38 42.02 | +14 43 02.2 |        | A46 |
| C/2002 CE <sub>10</sub> | 2003 09 06.02611 | 22 38 41.81 | +14 42 59.3 |        | A46 |
| C/2002 CE <sub>10</sub> | 2003 09 06.09736 | 22 38 22.09 | +14 39 05.4 | 15.2 N | 785 |
| C/2002 CE <sub>10</sub> | 2003 09 06.10700 | 22 38 19.39 | +14 38 34.3 | 15.9 N | 785 |
| C/2002 CE <sub>10</sub> | 2003 09 06.68189 | 22 35 40.38 | +14 07 27.3 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69120 | 22 35 37.75 | +14 06 56.9 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69200 | 22 35 37.55 | +14 06 54.4 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69280 | 22 35 37.30 | +14 06 51.8 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69360 | 22 35 37.08 | +14 06 49.3 | 15.8 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69440 | 22 35 36.84 | +14 06 46.5 | 15.7 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69730 | 22 35 36.11 | +14 06 37.0 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69810 | 22 35 35.83 | +14 06 34.4 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.69890 | 22 35 35.64 | +14 06 31.9 | 15.6 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.70130 | 22 35 34.96 | +14 06 23.8 | 15.3 N | 379 |
| C/2002 CE <sub>10</sub> | 2003 09 06.83390 | 22 34 58.98 | +13 59 09.5 | 15.2 T | J93 |
| C/2002 CE <sub>10</sub> | 2003 09 06.83582 | 22 34 58.32 | +13 59 02.8 | 15.0 T | J93 |
| C/2002 CE <sub>10</sub> | 2003 09 06.83794 | 22 34 57.82 | +13 58 56.4 | 15.4 T | J93 |
| C/2002 CE <sub>10</sub> | 2003 09 06.87248 | 22 34 48.16 | +13 57 03.8 |        | 048 |
| C/2002 CE <sub>10</sub> | 2003 09 06.87323 | 22 34 47.95 | +13 57 01.5 |        | 048 |
| C/2002 CE <sub>10</sub> | 2003 09 06.87398 | 22 34 47.75 | +13 56 59.0 |        | 048 |
| C/2002 CE <sub>10</sub> | 2003 09 06.87473 | 22 34 47.53 | +13 56 56.3 |        | 048 |
| C/2002 CE <sub>10</sub> | 2003 09 06.87625 | 22 34 47.13 | +13 56 51.5 |        | 048 |
| C/2002 CE <sub>10</sub> | 2003 09 07.04446 | 22 34 00.64 | +13 47 42.6 | 15.5 N | 170 |
| C/2002 CE <sub>10</sub> | 2003 09 07.04602 | 22 34 00.22 | +13 47 37.3 | 15.5 N | 170 |
| C/2002 CE <sub>10</sub> | 2003 09 07.04758 | 22 33 59.79 | +13 47 32.3 | 15.6 N | 170 |
| C/2002 CE <sub>10</sub> | 2003 09 08.21167 | 22 28 42.57 | +12 43 47.5 | 16.0 N | 785 |
| C/2002 CE <sub>10</sub> | 2003 09 08.22259 | 22 28 39.52 | +12 43 10.2 | 16.0 N | 785 |

## C/2002 J4 (NEAT)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 J4 | 2003 07 19.05431 | 17 55 27.75 | -56 19 48.8 | 17.6 N | 859 |
| C/2002 J4 | 2003 07 19.06801 | 17 55 27.13 | -56 19 53.1 | 16.9 N | 859 |
| C/2002 J4 | 2003 07 19.07477 | 17 55 26.77 | -56 19 56.2 | 16.9 N | 859 |
| C/2002 J4 | 2003 07 28.97660 | 17 47 20.60 | -57 06 50.4 | 17.1 N | 859 |
| C/2002 J4 | 2003 07 28.97796 | 17 47 20.54 | -57 06 50.4 | 16.9 N | 859 |
| C/2002 J4 | 2003 07 28.99162 | 17 47 19.94 | -57 06 54.5 | 16.8 N | 859 |
| C/2002 J4 | 2003 08 19.41670 | 17 39 10.05 | -57 56 05.5 | 16.6 N | 428 |
| C/2002 J4 | 2003 09 08.43623 | 17 45 23.87 | -58 04 35.2 | 16.7 N | E14 |
| C/2002 J4 | 2003 09 08.43968 | 17 45 24.02 | -58 04 35.1 | 16.7 N | E14 |
| C/2002 J4 | 2003 09 08.44332 | 17 45 24.17 | -58 04 34.5 | 16.6 N | E14 |

## C/2002 J5 (LINEAR)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 J5 | 2003 08 02.54032 | 17 01 50.59 | +39 32 57.3 |        | 349 |
| C/2002 J5 | 2003 08 02.54353 | 17 01 50.43 | +39 32 56.5 |        | 349 |
| C/2002 J5 | 2003 08 02.54854 | 17 01 50.17 | +39 32 55.4 |        | 349 |
| C/2002 J5 | 2003 08 02.55324 | 17 01 49.89 | +39 32 54.7 |        | 349 |
| C/2002 J5 | 2003 08 02.55672 | 17 01 49.62 | +39 32 54.0 | 16.8 T | 349 |
| C/2002 J5 | 2003 08 03.53899 | 17 00 50.21 | +39 28 52.0 | 16.9 T | 349 |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 J5 | 2003 08 03.54332 | 17 00 49.94 | +39 28 50.3 |        | 349 |
| C/2002 J5 | 2003 08 03.55010 | 17 00 49.58 | +39 28 49.7 |        | 349 |
| C/2002 J5 | 2003 08 03.55502 | 17 00 49.31 | +39 28 48.5 |        | 349 |
| C/2002 J5 | 2003 08 03.55978 | 17 00 48.94 | +39 28 46.7 |        | 349 |
| C/2002 J5 | 2003 08 04.92610 | 16 59 28.18 | +39 22 59.0 | 16.7 T | A32 |
| C/2002 J5 | 2003 08 04.92904 | 16 59 28.01 | +39 22 58.3 | 16.8 T | A32 |
| C/2002 J5 | 2003 08 04.93198 | 16 59 27.84 | +39 22 57.3 | 16.7 T | A32 |
| C/2002 J5 | 2003 08 04.93491 | 16 59 27.66 | +39 22 56.4 | 16.7 T | A32 |
| C/2002 J5 | 2003 08 05.89749 | 16 58 31.93 | +39 18 45.4 | 16.8 N | 442 |
| C/2002 J5 | 2003 08 05.92727 | 16 58 30.21 | +39 18 36.5 | 16.4 T | A32 |
| C/2002 J5 | 2003 08 05.93168 | 16 58 29.99 | +39 18 35.1 | 16.5 T | A32 |
| C/2002 J5 | 2003 08 05.93756 | 16 58 29.61 | +39 18 33.6 | 16.4 T | A32 |
| C/2002 J5 | 2003 08 05.94344 | 16 58 29.25 | +39 18 32.1 | 16.5 T | A32 |
| C/2002 J5 | 2003 08 05.95079 | 16 58 28.88 | +39 18 29.8 | 16.6 T | A32 |
| C/2002 J5 | 2003 08 06.95985 | 16 57 31.53 | +39 13 58.5 | 16.5 T | A32 |
| C/2002 J5 | 2003 08 06.96279 | 16 57 31.40 | +39 13 57.9 | 16.5 T | A32 |
| C/2002 J5 | 2003 08 06.96426 | 16 57 31.29 | +39 13 57.7 | 16.7 T | A32 |
| C/2002 J5 | 2003 08 06.98417 | 16 57 30.16 | +39 13 51.4 | 17.0 N | 213 |
| C/2002 J5 | 2003 08 06.98611 | 16 57 30.00 | +39 13 52.0 | 17.0 N | 213 |
| C/2002 J5 | 2003 08 06.98956 | 16 57 29.85 | +39 13 50.8 | 17.0 N | 213 |
| C/2002 J5 | 2003 08 09.91966 | 16 54 49.91 | +39 00 07.0 | 16.6 T | A32 |
| C/2002 J5 | 2003 08 09.92260 | 16 54 49.79 | +39 00 06.3 | 16.9 T | A32 |
| C/2002 J5 | 2003 08 09.92407 | 16 54 49.65 | +39 00 05.9 | 16.9 T | A32 |
| C/2002 J5 | 2003 08 09.92701 | 16 54 49.55 | +39 00 05.5 | 16.6 T | A32 |
| C/2002 J5 | 2003 08 18.20301 | 16 48 09.16 | +38 17 26.9 | 16.4 T | 785 |
| C/2002 J5 | 2003 08 18.22916 | 16 48 08.03 | +38 17 21.2 | 16.2 T | 785 |
| C/2002 J5 | 2003 08 18.90514 | 16 47 38.73 | +38 13 39.3 | 16.1 T | 232 |
| C/2002 J5 | 2003 08 18.91541 | 16 47 38.15 | +38 13 34.9 | 16.1 T | 232 |
| C/2002 J5 | 2003 08 18.92570 | 16 47 37.92 | +38 13 32.5 | 16.1 T | 232 |
| C/2002 J5 | 2003 08 19.85454 | 16 46 58.32 | +38 08 26.2 | 16.1 N | 442 |
| C/2002 J5 | 2003 08 19.88816 | 16 46 56.83 | +38 08 15.3 | 16.1 N | 213 |
| C/2002 J5 | 2003 08 19.88983 | 16 46 56.83 | +38 08 13.4 | 16.1 N | 213 |
| C/2002 J5 | 2003 08 19.89334 | 16 46 56.59 | +38 08 12.9 | 16.1 N | 213 |
| C/2002 J5 | 2003 08 19.90030 | 16 46 56.38 | +38 08 11.7 | 16.2 T | 232 |
| C/2002 J5 | 2003 08 19.90800 | 16 46 56.20 | +38 08 08.3 | 16.1 T | 232 |
| C/2002 J5 | 2003 08 22.85906 | 16 44 57.38 | +37 51 38.1 | 16.2 N | 442 |
| C/2002 J5 | 2003 08 22.86208 | 16 44 57.22 | +37 51 37.8 | 16.2 N | 442 |
| C/2002 J5 | 2003 08 22.86470 | 16 44 57.12 | +37 51 36.9 | 16.2 N | 442 |
| C/2002 J5 | 2003 08 23.49201 | 16 44 32.96 | +37 48 03.8 |        | 349 |
| C/2002 J5 | 2003 08 23.49475 | 16 44 32.92 | +37 48 03.1 |        | 349 |
| C/2002 J5 | 2003 08 23.49771 | 16 44 32.82 | +37 48 02.8 | 16.7 T | 349 |
| C/2002 J5 | 2003 08 24.80682 | 16 43 44.02 | +37 40 33.4 | 17.5 N | 118 |
| C/2002 J5 | 2003 08 24.81092 | 16 43 44.02 | +37 40 32.5 | 17.3 N | 118 |
| C/2002 J5 | 2003 08 24.81672 | 16 43 43.86 | +37 40 31.7 | 17.2 N | 118 |
| C/2002 J5 | 2003 08 24.91685 | 16 43 40.12 | +37 39 54.5 | 15.9 N | A32 |
| C/2002 J5 | 2003 08 24.91979 | 16 43 39.96 | +37 39 53.6 | 16.2 N | A32 |
| C/2002 J5 | 2003 08 24.92273 | 16 43 39.92 | +37 39 51.9 | 16.0 N | A32 |
| C/2002 J5 | 2003 08 30.83735 | 16 40 23.50 | +37 05 33.4 | 16.6 T | 232 |
| C/2002 J5 | 2003 08 30.84505 | 16 40 23.27 | +37 05 30.7 | 16.6 T | 232 |
| C/2002 J5 | 2003 08 30.85275 | 16 40 23.00 | +37 05 28.6 | 16.6 T | 232 |

| C/2002 L9 (NEAT) |                  |             |             |        |     |  |  |
|------------------|------------------|-------------|-------------|--------|-----|--|--|
| C/2002 L9        | 2003 07 19.17505 | 21 19 43.00 | -51 46 57.9 | 17.3 N | 859 |  |  |
| C/2002 L9        | 2003 07 19.18574 | 21 19 42.73 | -51 47 02.0 | 17.4 N | 859 |  |  |
| C/2002 L9        | 2003 07 19.20156 | 21 19 42.20 | -51 47 08.8 | 17.2 N | 859 |  |  |
| C/2002 L9        | 2003 07 29.13166 | 21 14 27.61 | -52 55 59.4 | 17.2 N | 859 |  |  |
| C/2002 L9        | 2003 07 29.14844 | 21 14 27.05 | -52 56 06.0 | 17.4 N | 859 |  |  |
| C/2002 L9        | 2003 07 29.16091 | 21 14 26.55 | -52 56 11.0 | 17.1 N | 859 |  |  |
| C/2002 L9        | 2003 08 10.10965 | 21 07 24.36 | -54 06 34.5 | 17.8 N | 859 |  |  |
| C/2002 L9        | 2003 08 10.12484 | 21 07 23.92 | -54 06 37.4 | 19.2 N | 859 |  |  |
| C/2002 L9        | 2003 08 10.14669 | 21 07 23.14 | -54 06 47.0 | 17.5 N | 859 |  |  |
| C/2002 L9        | 2003 08 19.06028 | 21 01 58.93 | -54 48 59.2 | 18.7 T | 859 |  |  |
| C/2002 L9        | 2003 08 19.07793 | 21 01 58.59 | -54 49 04.9 | 17.2 T | 859 |  |  |
| C/2002 L9        | 2003 08 19.09761 | 21 01 57.80 | -54 49 10.4 | 18.0 T | 859 |  |  |

| C/2002 O7 (LINEAR) |                  |             |             |  |     |  |  |
|--------------------|------------------|-------------|-------------|--|-----|--|--|
| C/2002 O7          | 2003 04 22.01582 | 14 09 25.25 | +43 15 49.3 |  | 952 |  |  |
| C/2002 O7          | 2003 04 22.01907 | 14 09 24.52 | +43 15 49.6 |  | 952 |  |  |
| C/2002 O7          | 2003 04 22.02229 | 14 09 23.79 | +43 15 49.9 |  | 952 |  |  |
| C/2002 O7          | 2003 04 22.02937 | 14 09 22.24 | +43 15 51.0 |  | 952 |  |  |

| C/2002 P1 (NEAT) |                  |             |             |        |     |  |  |
|------------------|------------------|-------------|-------------|--------|-----|--|--|
| C/2002 P1        | 2003 08 01.06481 | 22 29 06.45 | +12 37 51.0 | 19.2 T | 204 |  |  |
| C/2002 P1        | 2003 08 20.05388 | 22 22 27.27 | +13 01 19.4 | 18.8 N | 442 |  |  |
| C/2002 P1        | 2003 08 20.06031 | 22 22 26.82 | +13 01 25.1 | 18.7 N | 442 |  |  |

| C/2002 R3 (LONEOS) |                  |             |             |        |     |  |  |
|--------------------|------------------|-------------|-------------|--------|-----|--|--|
| C/2002 R3          | 2003 08 04.97471 | 00 26 02.69 | +22 22 03.7 | 18.0 T | 561 |  |  |
| C/2002 R3          | 2003 08 04.97963 | 00 26 02.14 | +22 22 04.4 | 17.4 T | 561 |  |  |
| C/2002 R3          | 2003 08 04.98362 | 00 26 01.85 | +22 22 03.8 | 17.2 T | 561 |  |  |
| C/2002 R3          | 2003 08 05.25324 | 00 25 36.56 | +22 21 47.3 | 17.8 T | H72 |  |  |
| C/2002 R3          | 2003 08 05.25615 | 00 25 36.21 | +22 21 47.1 | 18.0 T | H72 |  |  |
| C/2002 R3          | 2003 08 05.25904 | 00 25 35.91 | +22 21 46.8 | 17.3 T | H72 |  |  |
| C/2002 R3          | 2003 08 05.29400 | 00 25 32.84 | +22 21 44.6 | 19.9 T | H72 |  |  |
| C/2002 R3          | 2003 08 05.96112 | 00 24 29.31 | +22 20 57.5 |        | 048 |  |  |
| C/2002 R3          | 2003 08 05.96189 | 00 24 29.24 | +22 20 57.5 |        | 048 |  |  |
| C/2002 R3          | 2003 08 05.96399 | 00 24 29.10 | +22 20 57.4 |        | 048 |  |  |
| C/2002 R3          | 2003 08 05.96552 | 00 24 28.93 | +22 20 56.8 |        | 048 |  |  |
| C/2002 R3          | 2003 08 05.97012 | 00 24 28.56 | +22 20 55.5 |        | 048 |  |  |
| C/2002 R3          | 2003 08 06.95356 | 00 22 53.62 | +22 19 36.8 |        | 048 |  |  |
| C/2002 R3          | 2003 08 06.95647 | 00 22 53.31 | +22 19 37.2 |        | 048 |  |  |
| C/2002 R3          | 2003 08 06.96763 | 00 22 52.30 | +22 19 35.5 |        | 048 |  |  |
| C/2002 R3          | 2003 08 06.96988 | 00 22 52.04 | +22 19 34.8 |        | 048 |  |  |
| C/2002 R3          | 2003 08 06.97213 | 00 22 51.79 | +22 19 34.4 |        | 048 |  |  |
| C/2002 R3          | 2003 08 07.02343 | 00 22 46.85 | +22 19 31.2 | 16.3 N | 213 |  |  |
| C/2002 R3          | 2003 08 07.02441 | 00 22 46.70 | +22 19 31.0 | 16.3 N | 213 |  |  |
| C/2002 R3          | 2003 08 07.02538 | 00 22 46.54 | +22 19 30.9 | 16.3 N | 213 |  |  |
| C/2002 R3          | 2003 08 07.02956 | 00 22 46.21 | +22 19 30.8 |        | A46 |  |  |
| C/2002 R3          | 2003 08 07.03182 | 00 22 45.95 | +22 19 30.3 |        | A46 |  |  |
| C/2002 R3          | 2003 08 07.03294 | 00 22 45.85 | +22 19 30.1 |        | A46 |  |  |
| C/2002 R3          | 2003 08 07.03519 | 00 22 45.70 | +22 19 30.3 |        | A46 |  |  |
| C/2002 R3          | 2003 08 07.03743 | 00 22 45.43 | +22 19 30.2 |        | A46 |  |  |
| C/2002 R3          | 2003 08 07.03856 | 00 22 45.29 | +22 19 29.5 |        | A46 |  |  |
| C/2002 R3          | 2003 08 07.05723 | 00 22 43.49 | +22 19 28.7 | 16.2 N | 939 |  |  |
| C/2002 R3          | 2003 08 07.06490 | 00 22 42.73 | +22 19 27.1 | 16.1 N | 939 |  |  |

|           |                  |             |             |        |     |  |  |
|-----------|------------------|-------------|-------------|--------|-----|--|--|
| C/2002 R3 | 2003 08 07.07252 | 00 22 41.95 | +22 19 25.7 | 16.1 N | 939 |  |  |
| C/2002 R3 | 2003 08 07.95724 | 00 21 15.05 | +22 18 02.5 | 16.1 T | A28 |  |  |
| C/2002 R3 | 2003 08 07.96401 | 00 21 14.35 | +22 18 01.7 | 16.3 T | A28 |  |  |
| C/2002 R3 | 2003 08 07.96978 | 00 21 13.75 | +22 18 01.1 | 16.3 T | A28 |  |  |
| C/2002 R3 | 2003 08 07.97430 | 00 21 13.33 | +22 18 00.2 | 16.3 T | A28 |  |  |
| C/2002 R3 | 2003 08 07.97869 | 00 21 12.84 | +22 18 00.4 | 16.2 T | A28 |  |  |
| C/2002 R3 | 2003 08 08.01876 | 00 21 08.98 | +22 17 56.0 |        | A46 |  |  |
| C/2002 R3 | 2003 08 08.01988 | 00 21 08.84 | +22 17 55.6 |        | A46 |  |  |
| C/2002 R3 | 2003 08 08.02101 | 00 21 08.68 | +22 17 56.1 |        | A46 |  |  |
| C/2002 R3 | 2003 08 08.02325 | 00 21 08.43 | +22 17 55.4 |        | A46 |  |  |
| C/2002 R3 | 2003 08 08.02663 | 00 21 08.10 | +22 17 55.2 |        | A46 |  |  |
| C/2002 R3 | 2003 08 08.02888 | 00 21 07.82 | +22 17 55.6 |        | A46 |  |  |
| C/2002 R3 | 2003 08 09.35595 | 00 18 54.52 | +22 15 27.1 | 16.8 N | H41 |  |  |
| C/2002 R3 | 2003 08 09.36049 | 00 18 54.02 | +22 15 27.3 | 16.2 T | H41 |  |  |
| C/2002 R3 | 2003 08 09.97094 | 00 17 51.77 | +22 14 10.7 |        | 048 |  |  |
| C/2002 R3 | 2003 08 09.97388 | 00 17 51.45 | +22 14 11.0 |        | 048 |  |  |
| C/2002 R3 | 2003 08 09.97678 | 00 17 51.10 | +22 14 10.4 |        | 048 |  |  |
| C/2002 R3 | 2003 08 09.98120 | 00 17 50.59 | +22 14 10.5 |        | 048 |  |  |
| C/2002 R3 | 2003 08 09.98265 | 00 17 50.36 | +22 14 10.6 |        | 048 |  |  |
| C/2002 R3 | 2003 08 10.95631 | 00 16 09.92 | +22 11 56.3 |        | 048 |  |  |
| C/2002 R3 | 2003 08 10.95777 | 00 16 09.80 | +22 11 56.2 |        | 048 |  |  |
| C/2002 R3 | 2003 08 10.95921 | 00 16 09.60 | +22 11 55.7 |        | 048 |  |  |
| C/2002 R3 | 2003 08 10.96212 | 00 16 09.27 | +22 11 55.8 |        | 048 |  |  |
| C/2002 R3 | 2003 08 10.96501 | 00 16 08.89 | +22 11 55.3 |        | 048 |  |  |
| C/2002 R3 | 2003 08 11.02869 | 00 16 02.32 | +22 11 47.1 |        | A46 |  |  |
| C/2002 R3 | 2003 08 11.03206 | 00 16 01.88 | +22 11 45.8 |        | A46 |  |  |
| C/2002 R3 | 2003 08 11.03319 | 00 16 01.75 | +22 11 46.4 |        | A46 |  |  |
| C/2002 R3 | 2003 08 11.03544 | 00 16 01.59 | +22 11 44.9 |        | A46 |  |  |
| C/2002 R3 | 2003 08 11.03657 | 00 16 01.36 | +22 11 45.1 |        | A46 |  |  |
| C/2002 R3 | 2003 08 11.03769 | 00 16 01.26 | +22 11 44.8 |        | A46 |  |  |
| C/2002 R3 | 2003 08 15.93478 | 00 07 09.77 | +21 56 57.8 |        | 048 |  |  |
| C/2002 R3 | 2003 08 15.93920 | 00 07 09.27 | +21 56 57.1 |        | 048 |  |  |
| C/2002 R3 | 2003 08 15.94213 | 00 07 08.90 | +21 56 56.4 |        | 048 |  |  |
| C/2002 R3 | 2003 08 15.96067 | 00 07 06.80 | +21 56 52.3 |        | 048 |  |  |
| C/2002 R3 | 2003 08 15.96358 | 00 07 06.43 | +21 56 51.8 |        | 048 |  |  |
| C/2002 R3 | 2003 08 16.02699 | 00 06 59.29 | +21 56 38.7 | 16.7 N | 620 |  |  |
| C/2002 R3 | 2003 08 16.03372 | 00 06 58.53 | +21 56 37.5 | 16.9 N | 620 |  |  |
| C/2002 R3 | 2003 08 16.91836 | 00 05 18.28 | +21 53 15.2 |        | 048 |  |  |
| C/2002 R3 | 2003 08 16.92131 | 00 05 17.95 | +21 53 14.2 |        | 048 |  |  |
| C/2002 R3 | 2003 08 16.92428 | 00 05 17.63 | +21 53 14.0 |        | 048 |  |  |
| C/2002 R3 | 2003 08 16.92723 | 00 05 17.29 | +21 53 13.3 |        | 048 |  |  |
| C/2002 R3 | 2003 08 16.93013 | 00 05 16.91 | +21 53 12.4 |        | 048 |  |  |
| C/2002 R3 | 2003 08 17.95381 | 00 03 19.15 | +21 49 03.2 |        | 048 |  |  |
| C/2002 R3 | 2003 08 17.95671 | 00 03 19.09 | +21 49 01.3 |        | 048 |  |  |
| C/2002 R3 | 2003 08 17.95817 | 00 03 18.93 | +21 48 59.9 |        | 048 |  |  |
| C/2002 R3 | 2003 08 18.26618 | 00 02 43.10 | +21 47 44.4 |        | 642 |  |  |
| C/2002 R3 | 2003 08 18.27312 | 00 02 42.54 | +21 47 44.4 |        | 642 |  |  |
| C/2002 R3 | 2003 08 18.28006 | 00 02 41.63 | +21 47 39.8 |        | 642 |  |  |
| C/2002 R3 | 2003 08 18.98881 | 00 01 19.15 | +21 44 35.2 | 15.9 N | 442 |  |  |
| C/2002 R3 | 2003 08 18.98959 | 00 01 18.86 | +21 44 34.9 | 15.9 N | 442 |  |  |
| C/2002 R3 | 2003 08 19.06493 | 00 01 09.98 | +21 44 14.7 | 16.4 T | 232 |  |  |
| C/2002 R3 | 2003 08 19.07008 | 00 01 09.35 | +21 44 13.3 | 16.4 T | 232 |  |  |
| C/2002 R3 | 2003 08 19.07527 | 00 01 08.71 | +21 44 10.8 | 16.4 T | 232 |  |  |

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|           |                  |             |             |        |     |           |                  |             |             |            |
|-----------|------------------|-------------|-------------|--------|-----|-----------|------------------|-------------|-------------|------------|
| C/2002 R3 | 2003 08 19.08244 | 00 01 07.89 | +21 44 09.4 | 16.3 N | 939 | C/2002 R3 | 2003 08 24.00840 | 23 51 13.82 | +21 18 31.1 | A46        |
| C/2002 R3 | 2003 08 19.09007 | 00 01 07.00 | +21 44 07.6 | 16.2 N | 939 | C/2002 R3 | 2003 08 24.01066 | 23 51 13.52 | +21 18 30.6 | A46        |
| C/2002 R3 | 2003 08 19.09767 | 00 01 06.11 | +21 44 05.9 | 16.3 N | 939 | C/2002 R3 | 2003 08 25.05317 | 23 49 03.89 | +21 12 11.3 | A46        |
| C/2002 R3 | 2003 08 19.21510 | 00 00 52.39 | +21 43 33.7 | 16.7 T | 762 | C/2002 R3 | 2003 08 25.05881 | 23 49 03.21 | +21 12 08.7 | A46        |
| C/2002 R3 | 2003 08 19.22190 | 00 00 51.59 | +21 43 31.8 | 16.8 T | 762 | C/2002 R3 | 2003 08 25.05994 | 23 49 03.02 | +21 12 09.0 | A46        |
| C/2002 R3 | 2003 08 19.25140 | 00 00 48.16 | +21 43 22.6 |        | 642 | C/2002 R3 | 2003 08 25.06219 | 23 49 02.75 | +21 12 07.4 | A46        |
| C/2002 R3 | 2003 08 19.25856 | 00 00 47.30 | +21 43 20.8 |        | 642 | C/2002 R3 | 2003 08 25.06332 | 23 49 02.63 | +21 12 07.7 | A46        |
| C/2002 R3 | 2003 08 19.26551 | 00 00 46.52 | +21 43 17.9 |        | 642 | C/2002 R3 | 2003 08 25.06443 | 23 49 02.48 | +21 12 07.0 | A46        |
| C/2002 R3 | 2003 08 19.97051 | 23 59 23.37 | +21 40 03.0 | 16.2 N | 213 | C/2002 R3 | 2003 08 25.93229 | 23 47 13.76 | +21 06 38.8 | 16.3 N 213 |
| C/2002 R3 | 2003 08 19.97363 | 23 59 22.95 | +21 40 01.6 | 16.2 N | 213 | C/2002 R3 | 2003 08 25.93333 | 23 47 13.85 | +21 06 37.3 | 16.3 N 213 |
| C/2002 R3 | 2003 08 19.97520 | 23 59 22.72 | +21 40 01.2 | 16.2 N | 213 | C/2002 R3 | 2003 08 25.93495 | 23 47 13.40 | +21 06 36.4 | 16.3 N 213 |
| C/2002 R3 | 2003 08 20.00866 | 23 59 18.73 | +21 39 52.2 |        | 952 | C/2002 R3 | 2003 08 26.88701 | 23 45 13.16 | +21 00 18.9 | 048        |
| C/2002 R3 | 2003 08 20.01041 | 23 59 18.53 | +21 39 51.2 |        | 952 | C/2002 R3 | 2003 08 26.88993 | 23 45 12.77 | +21 00 17.8 | 048        |
| C/2002 R3 | 2003 08 20.01245 | 23 59 18.25 | +21 39 52.3 |        | 952 | C/2002 R3 | 2003 08 26.89575 | 23 45 12.05 | +21 00 15.7 | 048        |
| C/2002 R3 | 2003 08 20.01454 | 23 59 18.02 | +21 39 51.4 |        | 952 | C/2002 R3 | 2003 08 26.90591 | 23 45 10.72 | +21 00 11.3 | 048        |
| C/2002 R3 | 2003 08 20.01633 | 23 59 17.92 | +21 39 50.3 |        | 952 | C/2002 R3 | 2003 08 26.90883 | 23 45 10.35 | +21 00 09.5 | 048        |
| C/2002 R3 | 2003 08 20.01847 | 23 59 17.57 | +21 39 50.1 |        | 952 | C/2002 R3 | 2003 08 27.00185 | 23 44 58.50 | +20 59 32.1 | A46        |
| C/2002 R3 | 2003 08 20.02428 | 23 59 16.90 | +21 39 47.5 |        | 952 | C/2002 R3 | 2003 08 27.00299 | 23 44 58.36 | +20 59 31.4 | A46        |
| C/2002 R3 | 2003 08 20.02859 | 23 59 16.32 | +21 39 46.2 |        | 952 | C/2002 R3 | 2003 08 27.00411 | 23 44 58.21 | +20 59 31.4 | A46        |
| C/2002 R3 | 2003 08 20.03245 | 23 59 15.94 | +21 39 44.7 |        | 952 | C/2002 R3 | 2003 08 27.00523 | 23 44 58.08 | +20 59 30.7 | A46        |
| C/2002 R3 | 2003 08 20.04242 | 23 59 14.77 | +21 39 43.8 | 16.2 N | 442 | C/2002 R3 | 2003 08 27.00861 | 23 44 57.64 | +20 59 29.8 | A46        |
| C/2002 R3 | 2003 08 20.04396 | 23 59 14.60 | +21 39 43.0 | 16.2 N | 442 | C/2002 R3 | 2003 08 27.00975 | 23 44 57.48 | +20 59 28.9 | A46        |
| C/2002 R3 | 2003 08 20.04551 | 23 59 14.41 | +21 39 42.1 | 16.1 N | 442 | C/2002 R3 | 2003 08 29.96560 | 23 38 38.38 | +20 38 08.4 | 16.0 N 939 |
| C/2002 R3 | 2003 08 20.21935 | 23 58 53.83 | +21 38 47.8 | 19.4 T | 859 | C/2002 R3 | 2003 08 29.97319 | 23 38 37.40 | +20 38 05.0 | 16.0 N 939 |
| C/2002 R3 | 2003 08 20.22336 | 23 58 53.22 | +21 38 50.1 | 19.5 T | 859 | C/2002 R3 | 2003 08 29.98079 | 23 38 36.43 | +20 38 02.1 | 16.1 N 939 |
| C/2002 R3 | 2003 08 20.22740 | 23 58 52.84 | +21 38 51.2 | 19.2 T | 859 | C/2002 R3 | 2003 08 30.09439 | 23 38 21.57 | +20 37 09.4 | 16.0 T 232 |
| C/2002 R3 | 2003 08 20.99978 | 23 57 20.54 | +21 34 59.8 | 16.1 N | 017 | C/2002 R3 | 2003 08 30.09958 | 23 38 20.90 | +20 37 07.4 | 16.0 T 232 |
| C/2002 R3 | 2003 08 21.09119 | 23 57 09.53 | +21 34 32.6 | 15.8 N | 017 | C/2002 R3 | 2003 08 30.10474 | 23 38 20.20 | +20 37 04.8 | 16.0 T 232 |
| C/2002 R3 | 2003 08 22.59256 | 23 54 07.84 | +21 26 36.4 |        | 349 | C/2002 R3 | 2003 08 31.00378 | 23 36 23.51 | +20 30 02.9 | 16.1 N 939 |
| C/2002 R3 | 2003 08 22.59611 | 23 54 07.45 | +21 26 34.9 |        | 349 | C/2002 R3 | 2003 08 31.00867 | 23 36 22.88 | +20 30 00.3 | 16.1 N 939 |
| C/2002 R3 | 2003 08 22.59887 | 23 54 07.05 | +21 26 34.4 |        | 349 | C/2002 R3 | 2003 08 31.01359 | 23 36 22.21 | +20 29 57.5 | 16.1 N 939 |
| C/2002 R3 | 2003 08 22.60183 | 23 54 06.72 | +21 26 33.5 | 15.7 T | 349 | C/2002 R3 | 2003 08 31.07691 | 23 36 13.93 | +20 29 26.5 | 15.7 N 445 |
| C/2002 R3 | 2003 08 22.92380 | 23 53 27.35 | +21 24 45.8 | 16.7 N | 130 | C/2002 R3 | 2003 08 31.08332 | 23 36 13.33 | +20 29 24.5 | 15.8 N 445 |
| C/2002 R3 | 2003 08 22.92585 | 23 53 27.13 | +21 24 46.0 | 17.2 N | 130 | C/2002 R3 | 2003 08 31.08874 | 23 36 12.49 | +20 29 22.1 | 15.8 N 445 |
| C/2002 R3 | 2003 08 22.92790 | 23 53 26.88 | +21 24 44.8 | 16.9 N | 130 | C/2002 R3 | 2003 08 31.09355 | 23 36 11.93 | +20 29 20.0 | 15.7 N 445 |
| C/2002 R3 | 2003 08 22.92995 | 23 53 26.63 | +21 24 44.2 | 17.3 N | 130 | C/2002 R3 | 2003 09 01.62604 | 23 32 51.38 | +20 16 45.7 | 342        |
| C/2002 R3 | 2003 08 22.99779 | 23 53 18.25 | +21 24 19.7 |        | A46 | C/2002 R3 | 2003 09 01.63299 | 23 32 50.43 | +20 16 42.0 | 342        |
| C/2002 R3 | 2003 08 22.99891 | 23 53 18.14 | +21 24 19.5 |        | A46 | C/2002 R3 | 2003 09 03.30441 | 23 29 10.38 | +20 02 14.3 | 17.5 T 704 |
| C/2002 R3 | 2003 08 23.00005 | 23 53 18.03 | +21 24 18.6 |        | A46 | C/2002 R3 | 2003 09 03.31647 | 23 29 08.79 | +20 02 08.5 | 17.6 T 704 |
| C/2002 R3 | 2003 08 23.00117 | 23 53 17.86 | +21 24 18.6 |        | A46 | C/2002 R3 | 2003 09 03.32800 | 23 29 07.26 | +20 02 03.7 | 17.5 T 704 |
| C/2002 R3 | 2003 08 23.00455 | 23 53 17.43 | +21 24 18.3 |        | A46 | C/2002 R3 | 2003 09 03.59039 | 23 28 32.58 | +19 59 40.5 | 16.7 N 379 |
| C/2002 R3 | 2003 08 23.00567 | 23 53 17.21 | +21 24 17.2 |        | A46 | C/2002 R3 | 2003 09 03.59189 | 23 28 32.49 | +19 59 40.3 | 379        |
| C/2002 R3 | 2003 08 23.58995 | 23 52 05.52 | +21 20 59.8 |        | 349 | C/2002 R3 | 2003 09 03.59338 | 23 28 32.18 | +19 59 39.6 | 379        |
| C/2002 R3 | 2003 08 23.59917 | 23 52 04.43 | +21 20 55.7 |        | 349 | C/2002 R3 | 2003 09 03.62200 | 23 28 28.38 | +19 59 24.3 | 15.6 T 360 |
| C/2002 R3 | 2003 08 23.60236 | 23 52 03.96 | +21 20 54.1 |        | 349 | C/2002 R3 | 2003 09 03.62435 | 23 28 28.08 | +19 59 23.0 | 360        |
| C/2002 R3 | 2003 08 23.60792 | 23 52 03.38 | +21 20 52.7 | 15.6 T | 349 | C/2002 R3 | 2003 09 05.70858 | 23 23 51.86 | +19 40 04.1 | 16.3 N 379 |
| C/2002 R3 | 2003 08 23.65954 | 23 51 56.96 | +21 20 35.1 | 16.0 T | 355 | C/2002 R3 | 2003 09 05.71156 | 23 23 51.31 | +19 40 02.3 | 15.9 N 379 |
| C/2002 R3 | 2003 08 23.66205 | 23 51 56.62 | +21 20 33.9 |        | 355 | C/2002 R3 | 2003 09 05.86691 | 23 23 31.00 | +19 38 32.5 | 048        |
| C/2002 R3 | 2003 08 23.66612 | 23 51 56.08 | +21 20 32.7 |        | 355 | C/2002 R3 | 2003 09 05.86800 | 23 23 30.84 | +19 38 32.4 | A46        |
| C/2002 R3 | 2003 08 24.00390 | 23 51 14.41 | +21 18 33.0 |        | A46 | C/2002 R3 | 2003 09 05.87137 | 23 23 30.34 | +19 38 29.9 | A46        |
| C/2002 R3 | 2003 08 24.00502 | 23 51 14.22 | +21 18 31.9 |        | A46 | C/2002 R3 | 2003 09 05.87249 | 23 23 30.21 | +19 38 29.2 | A46        |
| C/2002 R3 | 2003 08 24.00615 | 23 51 14.07 | +21 18 32.1 |        | A46 | C/2002 R3 | 2003 09 05.87587 | 23 23 29.75 | +19 38 27.8 | A46        |
| C/2002 R3 | 2003 08 24.00728 | 23 51 13.92 | +21 18 31.8 |        | A46 | C/2002 R3 | 2003 09 05.87699 | 23 23 29.58 | +19 38 26.4 | A46        |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 R3 | 2003 09 05.87813 | 23 23 29.45 | +19 38 25.5 |        | A46 |
| C/2002 R3 | 2003 09 05.87994 | 23 23 29.20 | +19 38 24.8 |        | 048 |
| C/2002 R3 | 2003 09 05.88286 | 23 23 28.78 | +19 38 23.5 |        | 048 |
| C/2002 R3 | 2003 09 05.88579 | 23 23 28.39 | +19 38 21.9 |        | 048 |
| C/2002 R3 | 2003 09 05.88870 | 23 23 28.03 | +19 38 19.8 |        | 048 |
| C/2002 R3 | 2003 09 05.93200 | 23 23 22.32 | +19 37 54.8 | 16.2 N | 213 |
| C/2002 R3 | 2003 09 05.93391 | 23 23 21.96 | +19 37 54.5 | 16.2 N | 213 |
| C/2002 R3 | 2003 09 06.00536 | 23 23 12.45 | +19 37 12.2 | 16.6 N | 166 |
| C/2002 R3 | 2003 09 06.00736 | 23 23 12.14 | +19 37 11.5 | 16.6 N | 166 |
| C/2002 R3 | 2003 09 06.00916 | 23 23 11.92 | +19 37 10.7 | 16.6 N | 166 |
| C/2002 R3 | 2003 09 06.01250 | 23 23 11.47 | +19 37 08.7 | 16.6 N | 166 |
| C/2002 R3 | 2003 09 06.01912 | 23 23 10.64 | +19 37 04.7 | 16.5 N | 166 |
| C/2002 R3 | 2003 09 06.88170 | 23 21 16.04 | +19 28 40.8 |        | 048 |
| C/2002 R3 | 2003 09 06.88461 | 23 21 15.66 | +19 28 39.0 |        | 048 |
| C/2002 R3 | 2003 09 06.88605 | 23 21 15.64 | +19 28 37.6 |        | 048 |
| C/2002 R3 | 2003 09 06.88750 | 23 21 15.25 | +19 28 36.7 |        | 048 |
| C/2002 R3 | 2003 09 06.89338 | 23 21 14.65 | +19 28 32.9 |        | 048 |

**P/2002 T6 (NEAT-LINEAR)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| P/2002 T6 | 2003 08 30.14334 | 06 16 31.98 | +15 43 46.3 | 17.9 N | J95 |
| P/2002 T6 | 2003 08 30.14796 | 06 16 32.34 | +15 43 45.5 | 17.3 N | J95 |
| P/2002 T6 | 2003 08 30.15331 | 06 16 32.69 | +15 43 44.5 | 17.8 N | J95 |
| P/2002 T6 | 2003 08 31.13657 | 06 17 41.50 | +15 40 28.5 | 17.7 N | J95 |
| P/2002 T6 | 2003 08 31.14147 | 06 17 41.80 | +15 40 27.1 |        | J95 |
| P/2002 T6 | 2003 08 31.14647 | 06 17 42.17 | +15 40 26.5 | 17.0 N | J95 |

**C/2002 T7 (LINEAR)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 T7 | 2003 08 01.77778 | 05 27 16.42 | +29 53 52.6 | 12.4 T | 372 |
| C/2002 T7 | 2003 08 01.78646 | 05 27 16.65 | +29 53 55.6 |        | 372 |
| C/2002 T7 | 2003 08 01.79618 | 05 27 16.99 | +29 53 56.6 |        | 372 |
| C/2002 T7 | 2003 08 02.03729 | 05 27 24.53 | +29 54 32.5 | 14.2 N | 235 |
| C/2002 T7 | 2003 08 04.79965 | 05 28 48.48 | +30 01 21.4 | 13.1 T | 372 |
| C/2002 T7 | 2003 08 06.06155 | 05 29 25.87 | +30 04 30.5 |        | 048 |
| C/2002 T7 | 2003 08 06.06231 | 05 29 25.90 | +30 04 30.9 |        | 048 |
| C/2002 T7 | 2003 08 06.06307 | 05 29 25.90 | +30 04 30.8 |        | 048 |
| C/2002 T7 | 2003 08 06.06382 | 05 29 25.91 | +30 04 30.4 |        | 048 |
| C/2002 T7 | 2003 08 06.06457 | 05 29 25.96 | +30 04 31.1 |        | 048 |
| C/2002 T7 | 2003 08 07.09369 | 05 29 55.96 | +30 07 09.0 |        | 048 |
| C/2002 T7 | 2003 08 07.09412 | 05 29 55.98 | +30 07 09.0 |        | 048 |
| C/2002 T7 | 2003 08 07.09454 | 05 29 55.99 | +30 07 09.3 |        | 048 |
| C/2002 T7 | 2003 08 07.09495 | 05 29 56.02 | +30 07 09.2 |        | 048 |
| C/2002 T7 | 2003 08 07.09538 | 05 29 56.02 | +30 07 09.3 |        | 048 |
| C/2002 T7 | 2003 08 07.74987 | 05 30 14.92 | +30 08 51.0 |        | 349 |
| C/2002 T7 | 2003 08 07.75163 | 05 30 14.98 | +30 08 51.1 |        | 349 |
| C/2002 T7 | 2003 08 07.75389 | 05 30 15.04 | +30 08 51.5 |        | 349 |
| C/2002 T7 | 2003 08 07.75556 | 05 30 15.07 | +30 08 51.9 | 13.3 T | 349 |
| C/2002 T7 | 2003 08 09.41661 | 05 31 02.17 | +30 13 13.5 | 14.9 N | H41 |
| C/2002 T7 | 2003 08 09.42255 | 05 31 02.29 | +30 13 14.5 | 13.3 T | H41 |
| C/2002 T7 | 2003 08 09.42501 | 05 31 02.36 | +30 13 15.0 | 13.3 T | H41 |
| C/2002 T7 | 2003 08 11.08443 | 05 31 47.96 | +30 17 39.0 | 13.7 N | A32 |
| C/2002 T7 | 2003 08 11.08738 | 05 31 48.05 | +30 17 39.4 | 13.7 N | A32 |
| C/2002 T7 | 2003 08 11.09035 | 05 31 48.13 | +30 17 39.8 | 13.7 N | A32 |
| C/2002 T7 | 2003 08 12.12660 | 05 32 16.01 | +30 20 28.5 | 14.4 N | 204 |
| C/2002 T7 | 2003 08 15.14382 | 05 33 33.96 | +30 28 52.0 | 14.2 N | 620 |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 T7 | 2003 08 15.14615 | 05 33 34.02 | +30 28 52.4 | 14.3 N | 620 |
| C/2002 T7 | 2003 08 15.14849 | 05 33 34.07 | +30 28 52.8 | 14.3 N | 620 |
| C/2002 T7 | 2003 08 19.12391 | 05 35 09.13 | +30 40 26.9 | 13.7 T | 232 |
| C/2002 T7 | 2003 08 19.13163 | 05 35 09.31 | +30 40 28.3 | 13.7 T | 232 |
| C/2002 T7 | 2003 08 19.13683 | 05 35 09.43 | +30 40 29.2 | 13.7 T | 232 |
| C/2002 T7 | 2003 08 20.10253 | 05 35 30.99 | +30 43 22.4 | 13.7 N | 213 |
| C/2002 T7 | 2003 08 20.10590 | 05 35 31.08 | +30 43 23.2 | 13.7 N | 213 |
| C/2002 T7 | 2003 08 20.10753 | 05 35 31.11 | +30 43 23.2 | 13.7 N | 213 |
| C/2002 T7 | 2003 08 21.10074 | 05 35 52.70 | +30 46 24.7 | 13.3 N | 017 |
| C/2002 T7 | 2003 08 21.12494 | 05 35 53.19 | +30 46 29.3 | 13.3 N | 017 |
| C/2002 T7 | 2003 08 22.70703 | 05 36 26.30 | +30 51 23.3 |        | 349 |
| C/2002 T7 | 2003 08 22.71340 | 05 36 26.36 | +30 51 24.3 |        | 349 |
| C/2002 T7 | 2003 08 22.71506 | 05 36 26.45 | +30 51 24.0 | 13.5 T | 349 |
| C/2002 T7 | 2003 08 23.02025 | 05 36 32.62 | +30 52 22.2 | 13.8 N | 235 |
| C/2002 T7 | 2003 08 23.07708 | 05 36 33.69 | +30 52 33.1 |        | A46 |
| C/2002 T7 | 2003 08 23.07799 | 05 36 33.72 | +30 52 33.3 |        | A46 |
| C/2002 T7 | 2003 08 23.07889 | 05 36 33.75 | +30 52 33.1 |        | A46 |
| C/2002 T7 | 2003 08 23.07978 | 05 36 33.75 | +30 52 33.4 |        | A46 |
| C/2002 T7 | 2003 08 23.08067 | 05 36 33.79 | +30 52 33.4 |        | A46 |
| C/2002 T7 | 2003 08 23.08157 | 05 36 33.79 | +30 52 34.0 |        | A46 |
| C/2002 T7 | 2003 08 23.72832 | 05 36 46.65 | +30 54 36.7 |        | 349 |
| C/2002 T7 | 2003 08 23.73081 | 05 36 46.72 | +30 54 37.0 |        | 349 |
| C/2002 T7 | 2003 08 23.73269 | 05 36 46.74 | +30 54 37.4 |        | 349 |
| C/2002 T7 | 2003 08 23.73466 | 05 36 46.78 | +30 54 38.0 |        | 349 |
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| C/2002 T7 | 2003 08 24.06891 | 05 36 53.26 | +30 55 41.5 |        | A46 |
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| C/2002 T7 | 2003 08 24.07116 | 05 36 53.29 | +30 55 42.0 |        | A46 |
| C/2002 T7 | 2003 08 24.07229 | 05 36 53.31 | +30 55 42.1 |        | A46 |
| C/2002 T7 | 2003 08 24.07341 | 05 36 53.33 | +30 55 42.4 |        | A46 |
| C/2002 T7 | 2003 08 24.07456 | 05 36 53.35 | +30 55 42.9 |        | A46 |
| C/2002 T7 | 2003 08 24.42764 | 05 37 00.20 | +30 56 50.8 | 14.4 N | 921 |
| C/2002 T7 | 2003 08 24.43075 | 05 37 00.48 | +30 56 49.9 | 12.7 T | 921 |
| C/2002 T7 | 2003 08 24.45196 | 05 37 00.62 | +30 56 55.9 | 14.9 N | 921 |
| C/2002 T7 | 2003 08 24.46741 | 05 37 00.97 | +30 56 59.2 |        | 921 |
| C/2002 T7 | 2003 08 25.06318 | 05 37 12.11 | +30 58 53.7 | 13.4 N | A32 |
| C/2002 T7 | 2003 08 25.06538 | 05 37 12.15 | +30 58 54.1 | 13.4 N | A32 |
| C/2002 T7 | 2003 08 25.06832 | 05 37 12.21 | +30 58 54.6 | 13.4 N | A32 |
| C/2002 T7 | 2003 08 25.07192 | 05 37 12.29 | +30 58 55.0 |        | A46 |
| C/2002 T7 | 2003 08 25.07304 | 05 37 12.32 | +30 58 55.4 |        | A46 |
| C/2002 T7 | 2003 08 25.07418 | 05 37 12.34 | +30 58 55.6 |        | A46 |
| C/2002 T7 | 2003 08 25.07644 | 05 37 12.37 | +30 58 55.9 |        | A46 |
| C/2002 T7 | 2003 08 25.07756 | 05 37 12.38 | +30 58 56.3 |        | A46 |
| C/2002 T7 | 2003 08 25.07868 | 05 37 12.39 | +30 58 56.7 |        | A46 |
| C/2002 T7 | 2003 08 27.02916 | 05 37 47.12 | +31 05 21.1 | 13.7 N | 235 |
| C/2002 T7 | 2003 08 27.05376 | 05 37 47.59 | +31 05 26.0 |        | A46 |
| C/2002 T7 | 2003 08 27.05601 | 05 37 47.65 | +31 05 26.4 |        | A46 |
| C/2002 T7 | 2003 08 27.05714 | 05 37 47.65 | +31 05 26.9 |        | A46 |
| C/2002 T7 | 2003 08 27.05826 | 05 37 47.69 | +31 05 27.0 |        | A46 |
| C/2002 T7 | 2003 08 27.05940 | 05 37 47.71 | +31 05 27.3 |        | A46 |
| C/2002 T7 | 2003 08 27.06052 | 05 37 47.72 | +31 05 27.3 |        | A46 |
| C/2002 T7 | 2003 08 27.08609 | 05 37 48.15 | +31 05 32.5 | 13.9 N | 213 |
| C/2002 T7 | 2003 08 27.08711 | 05 37 48.18 | +31 05 32.7 | 13.9 N | 213 |



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|           |                  |             |             |        |     |
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| C/2002 T7 | 2003 08 27.08815 | 05 37 48.19 | +31 05 32.8 | 13.9 N | 213 |
| C/2002 T7 | 2003 08 27.09925 | 05 37 48.37 | +31 05 35.3 |        | 048 |
| C/2002 T7 | 2003 08 27.10064 | 05 37 48.38 | +31 05 35.4 |        | 048 |
| C/2002 T7 | 2003 08 27.10203 | 05 37 48.41 | +31 05 35.7 |        | 048 |
| C/2002 T7 | 2003 08 27.10341 | 05 37 48.43 | +31 05 35.9 |        | 048 |
| C/2002 T7 | 2003 08 27.10480 | 05 37 48.45 | +31 05 36.3 |        | 048 |
| C/2002 T7 | 2003 08 28.39563 | 05 38 09.54 | +31 09 51.7 | 18.6 T | 704 |
| C/2002 T7 | 2003 08 28.41071 | 05 38 10.00 | +31 09 59.8 | 19.9 T | 704 |
| C/2002 T7 | 2003 08 28.42598 | 05 38 10.17 | +31 10 03.5 | 19.9 T | 704 |
| C/2002 T7 | 2003 08 28.45452 | 05 38 10.97 | +31 10 14.9 | 17.5 T | 704 |
| C/2002 T7 | 2003 08 30.08586 | 05 38 35.43 | +31 15 46.3 | 13.7 N | 939 |
| C/2002 T7 | 2003 08 30.09356 | 05 38 35.54 | +31 15 48.0 | 13.7 N | 939 |
| C/2002 T7 | 2003 08 30.10112 | 05 38 35.65 | +31 15 49.7 | 13.7 N | 939 |
| C/2002 T7 | 2003 08 30.14718 | 05 38 36.30 | +31 16 00.2 | 13.8 N | 232 |
| C/2002 T7 | 2003 08 30.15493 | 05 38 36.40 | +31 16 01.9 | 13.8 N | 232 |
| C/2002 T7 | 2003 08 30.16007 | 05 38 36.48 | +31 16 02.9 | 13.8 N | 232 |
| C/2002 T7 | 2003 08 31.02953 | 05 38 48.65 | +31 19 03.6 | 13.7 N | 235 |
| C/2002 T7 | 2003 08 31.10426 | 05 38 49.72 | +31 19 20.5 | 13.8 N | 445 |
| C/2002 T7 | 2003 08 31.10825 | 05 38 49.75 | +31 19 21.3 | 13.8 N | 445 |
| C/2002 T7 | 2003 08 31.11444 | 05 38 49.80 | +31 19 23.3 | 13.8 N | 445 |
| C/2002 T7 | 2003 08 31.12029 | 05 38 49.85 | +31 19 23.8 | 13.8 N | 445 |
| C/2002 T7 | 2003 08 31.74523 | 05 38 58.26 | +31 21 37.3 | 14.9 N | 379 |
| C/2002 T7 | 2003 08 31.74672 | 05 38 58.29 | +31 21 37.1 |        | 379 |
| C/2002 T7 | 2003 08 31.74822 | 05 38 58.18 | +31 21 38.6 |        | 379 |
| C/2002 T7 | 2003 09 02.14429 | 05 39 15.36 | +31 26 40.2 |        | 143 |
| C/2002 T7 | 2003 09 02.14662 | 05 39 15.38 | +31 26 41.2 |        | 143 |
| C/2002 T7 | 2003 09 02.14895 | 05 39 15.42 | +31 26 41.4 |        | 143 |
| C/2002 T7 | 2003 09 03.76946 | 05 39 33.02 | +31 32 40.9 | 13.9 N | 379 |
| C/2002 T7 | 2003 09 03.80852 | 05 39 33.36 | +31 32 49.6 |        | 379 |
| C/2002 T7 | 2003 09 04.10445 | 05 39 36.41 | +31 33 54.5 | 14.1 N | 235 |
| C/2002 T7 | 2003 09 04.65517 | 05 39 41.56 | +31 35 59.6 |        | 349 |
| C/2002 T7 | 2003 09 04.65707 | 05 39 41.53 | +31 36 00.2 |        | 349 |
| C/2002 T7 | 2003 09 04.65825 | 05 39 41.55 | +31 36 00.3 |        | 349 |
| C/2002 T7 | 2003 09 04.66903 | 05 39 41.67 | +31 36 03.1 | 13.7 T | 349 |
| C/2002 T7 | 2003 09 05.36389 | 05 39 47.79 | +31 38 43.0 | 13.2 T | H41 |
| C/2002 T7 | 2003 09 05.36900 | 05 39 47.81 | +31 38 44.2 | 13.0 T | H41 |
| C/2002 T7 | 2003 09 05.72939 | 05 39 50.65 | +31 40 05.9 | 13.8 N | 379 |
| C/2002 T7 | 2003 09 05.73019 | 05 39 50.70 | +31 40 06.4 | 13.9 N | 379 |
| C/2002 T7 | 2003 09 05.73098 | 05 39 50.67 | +31 40 06.3 | 13.9 N | 379 |
| C/2002 T7 | 2003 09 05.73178 | 05 39 50.72 | +31 40 06.2 | 14.1 N | 379 |
| C/2002 T7 | 2003 09 05.73249 | 05 39 50.68 | +31 40 07.1 |        | 349 |
| C/2002 T7 | 2003 09 05.73258 | 05 39 50.69 | +31 40 07.1 | 13.8 N | 379 |
| C/2002 T7 | 2003 09 05.73338 | 05 39 50.73 | +31 40 07.1 | 13.9 N | 379 |
| C/2002 T7 | 2003 09 05.73463 | 05 39 50.69 | +31 40 07.6 |        | 349 |
| C/2002 T7 | 2003 09 05.75654 | 05 39 50.85 | +31 40 12.7 |        | 349 |
| C/2002 T7 | 2003 09 05.75837 | 05 39 50.87 | +31 40 13.1 | 13.5 T | 349 |
| C/2002 T7 | 2003 09 06.03370 | 05 39 53.04 | +31 41 15.9 |        | A46 |
| C/2002 T7 | 2003 09 06.03484 | 05 39 53.05 | +31 41 16.6 |        | A46 |
| C/2002 T7 | 2003 09 06.03596 | 05 39 53.05 | +31 41 16.8 |        | A46 |
| C/2002 T7 | 2003 09 06.03707 | 05 39 53.04 | +31 41 16.8 |        | A46 |
| C/2002 T7 | 2003 09 06.03819 | 05 39 53.04 | +31 41 17.1 |        | A46 |
| C/2002 T7 | 2003 09 06.03931 | 05 39 53.07 | +31 41 17.3 |        | A46 |
| C/2002 T7 | 2003 09 06.73810 | 05 39 58.15 | +31 44 01.2 | 13.5 N | 379 |

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| C/2002 T7 | 2003 09 06.74109 | 05 39 58.18 | +31 44 01.6 | 13.6 N | 379 |
| C/2002 T7 | 2003 09 06.74258 | 05 39 58.18 | +31 44 02.4 | 13.7 N | 379 |
| C/2002 T7 | 2003 09 07.39578 | 05 40 02.40 | +31 46 36.6 | 14.3 T | H44 |
| C/2002 T7 | 2003 09 07.40406 | 05 40 02.44 | +31 46 38.5 | 14.3 T | H44 |
| C/2002 T7 | 2003 09 07.43478 | 05 40 02.62 | +31 46 46.0 | 14.5 T | H44 |

C/2002 VQ<sub>94</sub> (LINEAR)

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| C/2002 VQ <sub>94</sub> | 2001 10 27.32814 | 02 11 09.32 | +33 25 32.7 |        | 1 644 |
| C/2002 VQ <sub>94</sub> | 2001 12 01.26117 | 01 57 24.81 | +33 07 26.9 |        | 1 644 |
| C/2002 VQ <sub>94</sub> | 2002 09 25.47087 | 02 27 59.81 | +45 03 31.9 | 19.0 N | 1 644 |
| C/2002 VQ <sub>94</sub> | 2002 09 25.48122 | 02 27 59.55 | +45 03 33.5 | 19.2 N | 1 644 |
| C/2002 VQ <sub>94</sub> | 2002 09 25.49192 | 02 27 59.29 | +45 03 35.4 | 19.2 N | 1 644 |
| C/2002 VQ <sub>94</sub> | 2002 11 11.23766 | 02 02 44.75 | +46 00 35.6 | 18.7 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 11.25433 | 02 02 44.15 | +46 00 35.5 | 19.1 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 11.28820 | 02 02 42.96 | +46 00 34.2 | 19.5 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 11.30509 | 02 02 42.36 | +46 00 34.6 | 19.3 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.09032 | 02 02 15.52 | +46 00 15.1 | 19.0 N | 858   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.09500 | 02 02 15.36 | +46 00 14.8 | 19.1 N | 858   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.11201 | 02 02 14.73 | +46 00 14.0 | 18.5 N | 649   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.14642 | 02 02 13.54 | +46 00 13.2 | 18.7 N | 649   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.15831 | 02 02 13.15 | +46 00 13.3 | 19.0 N | 858   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.16095 | 02 02 13.01 | +46 00 13.3 | 18.8 N | 711   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.16647 | 02 02 12.60 | +46 00 12.1 |        | 711   |
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| C/2002 VQ <sub>94</sub> | 2002 11 12.17294 | 02 02 12.56 | +46 00 12.9 |        | 711   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.18034 | 02 02 12.37 | +46 00 12.5 | 18.8 N | 649   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.20093 | 02 02 11.63 | +46 00 12.0 |        | 670   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.23660 | 02 02 10.42 | +46 00 11.4 | 18.7 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.24261 | 02 02 10.19 | +46 00 10.7 | 18.8 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.25379 | 02 02 09.83 | +46 00 11.3 | 18.7 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.25568 | 02 02 09.82 | +46 00 10.0 | 18.5 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.25922 | 02 02 09.70 | +46 00 09.6 | 19.0 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.27006 | 02 02 09.31 | +46 00 09.9 | 18.5 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.27105 | 02 02 09.23 | +46 00 10.5 | 19.1 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.27366 | 02 02 09.19 | +46 00 09.8 |        | 670   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.27597 | 02 02 09.16 | +46 00 10.7 | 19.4 N | 704   |
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| C/2002 VQ <sub>94</sub> | 2002 11 12.28840 | 02 02 08.55 | +46 00 10.3 | 19.1 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.30574 | 02 02 07.94 | +46 00 09.3 | 19.1 N | 704   |
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| C/2002 VQ <sub>94</sub> | 2002 11 12.80951 | 02 01 50.91 | +45 59 55.2 |        | 557   |
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| C/2002 VQ <sub>94</sub> | 2002 11 12.81698 | 02 01 50.64 | +45 59 55.1 |        | 557   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.87231 | 02 01 48.71 | +45 59 53.0 |        | 246   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.87311 | 02 01 48.68 | +45 59 53.3 |        | 246   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.87402 | 02 01 48.67 | +45 59 53.1 |        | 246   |
| C/2002 VQ <sub>94</sub> | 2002 11 12.87491 | 02 01 48.59 | +45 59 52.9 |        | 246   |
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| C/2002 VQ <sub>94</sub> | 2002 11 13.15279 | 02 01 39.19 | +45 59 45.4 | 18.9 N | 704   |

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| C/2002 VQ <sub>94</sub> | 2002 11 13.18255 | 02 01 38.14 | +45 59 44.0 | 19.2 N | 918   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.18547 | 02 01 38.03 | +45 59 44.0 | 18.5 N | 735   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.18791 | 02 01 37.98 | +45 59 44.0 | 19.3 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.18802 | 02 01 37.90 | +45 59 43.6 | 19.3 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.19193 | 02 01 37.79 | +45 59 43.8 | 18.6 N | 735   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.19587 | 02 01 37.59 | +45 59 44.1 | 19.2 N | 918   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.20512 | 02 01 37.38 | +45 59 43.9 | 19.4 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.20524 | 02 01 37.39 | +45 59 43.7 | 19.4 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.21067 | 02 01 37.07 | +45 59 43.3 | 19.4 N | 918   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.22241 | 02 01 36.78 | +45 59 43.7 | 19.4 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.22253 | 02 01 36.75 | +45 59 42.9 | 19.4 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.22416 | 02 01 36.62 | +45 59 43.2 | 19.5 N | 918   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.26921 | 02 01 35.20 | +45 59 41.9 | 19.1 N | 644   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.30427 | 02 01 33.99 | +45 59 40.8 | 19.0 N | 644   |
| C/2002 VQ <sub>94</sub> | 2002 11 13.35812 | 02 01 32.11 | +45 59 38.7 | 18.6 N | 644   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.12569 | 02 01 06.03 | +45 59 12.3 | 20.5 N | 850   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.17028 | 02 01 04.61 | +45 59 12.5 | 18.9 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.20426 | 02 01 03.49 | +45 59 11.7 | 19.0 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.23935 | 02 01 02.27 | +45 59 10.6 | 18.7 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.24447 | 02 01 02.02 | +45 59 10.8 | 18.8 N | 711   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.25095 | 02 01 01.78 | +45 59 09.2 |        | 2 711 |
| C/2002 VQ <sub>94</sub> | 2002 11 14.25747 | 02 01 01.65 | +45 59 09.2 | 19.3 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.25868 | 02 01 01.51 | +45 59 10.6 |        | 711   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.26321 | 02 01 01.39 | +45 59 09.3 |        | 670   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.26512 | 02 01 01.29 | +45 59 09.9 | 18.8 N | 711   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.27551 | 02 01 00.99 | +45 59 09.7 | 19.1 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.29341 | 02 01 00.34 | +45 59 07.9 | 19.5 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.31131 | 02 00 59.79 | +45 59 08.9 | 19.5 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 14.37053 | 02 00 57.79 | +45 59 06.5 |        | 670   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.14913 | 02 00 31.66 | +45 58 39.4 | 18.3 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.16602 | 02 00 31.10 | +45 58 37.7 | 18.8 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.18325 | 02 00 30.49 | +45 58 37.1 | 19.2 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.19240 | 02 00 30.15 | +45 58 37.3 | 19.3 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.20974 | 02 00 29.52 | +45 58 35.1 | 19.0 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.21716 | 02 00 29.23 | +45 58 37.0 | 19.2 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.22723 | 02 00 28.88 | +45 58 35.1 | 19.0 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.23486 | 02 00 28.51 | +45 58 35.1 | 19.1 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.24460 | 02 00 28.35 | +45 58 34.4 | 19.1 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.25433 | 02 00 28.05 | +45 58 33.8 | 19.0 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.26198 | 02 00 27.71 | +45 58 33.5 | 19.2 N | 704   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.26932 | 02 00 27.44 | +45 58 33.8 | 19.0 N | 926   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.30870 | 02 00 26.15 | +45 58 32.1 | 19.2 N | 448   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.31607 | 02 00 25.88 | +45 58 32.1 | 19.1 N | 448   |
| C/2002 VQ <sub>94</sub> | 2002 11 15.32344 | 02 00 25.64 | +45 58 31.8 | 19.2 N | 448   |
| C/2002 VQ <sub>94</sub> | 2002 11 20.84855 | 01 57 23.62 | +45 54 13.3 | 19.1 N | J95   |
| C/2002 VQ <sub>94</sub> | 2002 11 20.86131 | 01 57 23.19 | +45 54 12.0 |        | J95   |
| C/2002 VQ <sub>94</sub> | 2002 11 21.24593 | 01 57 10.74 | +45 53 51.0 | 18.7 N | 448   |
| C/2002 VQ <sub>94</sub> | 2002 11 21.25142 | 01 57 10.57 | +45 53 50.5 | 18.4 N | 448   |
| C/2002 VQ <sub>94</sub> | 2002 11 21.25966 | 01 57 10.32 | +45 53 49.9 | 18.5 N | 448   |
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| C/2002 VQ <sub>94</sub> | 2002 11 23.80000 | 01 55 49.76 | +45 51 15.5 |        | 046   |

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| C/2002 VQ <sub>94</sub> | 2002 11 23.80255 | 01 55 49.63 | +45 51 15.7 |        | 046 |
| C/2002 VQ <sub>94</sub> | 2002 11 23.80380 | 01 55 49.63 | +45 51 15.3 |        | 046 |
| C/2002 VQ <sub>94</sub> | 2002 11 23.80652 | 01 55 49.53 | +45 51 14.9 |        | 046 |
| C/2002 VQ <sub>94</sub> | 2002 11 23.80781 | 01 55 49.42 | +45 51 15.2 |        | 046 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.21393 | 01 53 34.86 | +45 46 04.7 | 18.7 N | 695 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.21908 | 01 53 34.70 | +45 46 04.3 | 18.7 N | 695 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.22437 | 01 53 34.54 | +45 46 04.0 | 18.7 N | 695 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.32065 | 01 53 31.64 | +45 45 56.5 | 18.7 N | 695 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.32624 | 01 53 31.47 | +45 45 56.0 | 18.7 N | 695 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.33144 | 01 53 31.32 | +45 45 55.6 | 18.7 N | 695 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.55907 | 01 53 24.60 | +45 45 38.8 | 19.4 N | 360 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.56506 | 01 53 24.44 | +45 45 38.1 |        | 360 |
| C/2002 VQ <sub>94</sub> | 2002 11 28.56929 | 01 53 24.31 | +45 45 37.7 |        | 360 |
| C/2002 VQ <sub>94</sub> | 2002 12 15.21789 | 01 46 13.67 | +45 19 54.4 | 19.2 N | 448 |
| C/2002 VQ <sub>94</sub> | 2002 12 15.22764 | 01 46 13.47 | +45 19 53.2 | 19.4 N | 448 |
| C/2002 VQ <sub>94</sub> | 2002 12 15.23739 | 01 46 13.25 | +45 19 52.6 | 19.4 N | 448 |
| C/2002 VQ <sub>94</sub> | 2003 02 01.77065 | 01 40 05.60 | +44 10 55.7 | 19.5 N | 106 |
| C/2002 VQ <sub>94</sub> | 2003 02 01.85530 | 01 40 06.21 | +44 10 50.5 | 18.5 N | 106 |
| C/2002 VQ <sub>94</sub> | 2003 02 01.85806 | 01 40 06.24 | +44 10 49.5 | 18.6 N | 106 |
| C/2002 VQ <sub>94</sub> | 2003 08 05.02622 | 02 53 22.85 | +55 52 02.6 | 18.2 N | 561 |
| C/2002 VQ <sub>94</sub> | 2003 08 05.03038 | 02 53 22.87 | +55 52 04.9 | 18.9 N | 561 |
| C/2002 VQ <sub>94</sub> | 2003 08 05.03455 | 02 53 23.08 | +55 52 05.4 | 18.9 N | 561 |
| C/2002 VQ <sub>94</sub> | 2003 08 05.98976 | 02 53 28.69 | +55 58 34.3 |        | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 05.99862 | 02 53 28.77 | +55 58 38.7 | 18.9 N | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 06.01028 | 02 53 28.77 | +55 58 43.0 |        | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 08.37220 | 02 53 40.31 | +56 14 44.9 | 19.3 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 08.38296 | 02 53 40.39 | +56 14 47.9 | 19.9 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 08.39378 | 02 53 40.46 | +56 14 53.9 | 19.4 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 08.40473 | 02 53 40.54 | +56 14 59.0 | 19.2 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 08.41533 | 02 53 40.47 | +56 15 03.5 | 19.2 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 09.00600 | 02 53 42.71 | +56 19 03.6 |        | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 09.00990 | 02 53 42.79 | +56 19 06.0 |        | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 09.01767 | 02 53 42.81 | +56 19 08.6 | 18.8 N | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 09.02156 | 02 53 42.81 | +56 19 10.7 |        | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 09.02546 | 02 53 42.75 | +56 19 12.2 |        | 621 |
| C/2002 VQ <sub>94</sub> | 2003 08 13.98243 | 02 53 51.42 | +56 52 53.0 | 18.6 N | 120 |
| C/2002 VQ <sub>94</sub> | 2003 08 22.99618 | 02 53 17.91 | +57 53 41.3 | 19.4 T | 130 |
| C/2002 VQ <sub>94</sub> | 2003 08 23.00653 | 02 53 17.81 | +57 53 45.8 | 19.6 T | 130 |
| C/2002 VQ <sub>94</sub> | 2003 08 27.05229 | 02 52 40.22 | +58 20 41.6 | 18.6 N | 620 |
| C/2002 VQ <sub>94</sub> | 2003 08 27.05809 | 02 52 40.13 | +58 20 43.9 | 18.6 N | 620 |
| C/2002 VQ <sub>94</sub> | 2003 08 27.06467 | 02 52 40.06 | +58 20 46.7 | 18.9 N | 620 |
| C/2002 VQ <sub>94</sub> | 2003 08 28.38242 | 02 52 24.66 | +58 29 28.0 | 19.2 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 28.39679 | 02 52 24.55 | +58 29 33.9 | 19.8 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 28.41246 | 02 52 24.20 | +58 29 39.9 | 19.3 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 28.42735 | 02 52 24.09 | +58 29 46.4 | 19.4 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 28.44116 | 02 52 23.82 | +58 29 51.8 | 19.6 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 31.37963 | 02 51 43.63 | +58 49 04.8 | 19.1 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 31.39141 | 02 51 43.51 | +58 49 09.6 | 19.7 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 31.40365 | 02 51 43.24 | +58 49 14.8 | 19.6 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 31.41605 | 02 51 43.06 | +58 49 19.4 | 19.6 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 08 31.42838 | 02 51 42.86 | +58 49 24.3 | 19.3 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 01.36032 | 02 51 28.39 | +58 55 26.3 | 19.2 N | 704 |

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|                         |                  |             |             |        |     |
|-------------------------|------------------|-------------|-------------|--------|-----|
| C/2002 VQ <sub>94</sub> | 2003 09 01.37243 | 02 51 28.21 | +58 55 31.3 | 19.6 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 01.38486 | 02 51 28.05 | +58 55 37.2 | 19.8 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 01.40935 | 02 51 27.69 | +58 55 46.3 | 19.9 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 02.38493 | 02 51 11.46 | +59 02 04.3 | 20.0 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 02.39691 | 02 51 11.30 | +59 02 08.2 | 20.2 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 02.40881 | 02 51 11.13 | +59 02 12.2 | 19.9 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 03.41606 | 02 50 53.42 | +59 08 40.0 | 19.2 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 03.42816 | 02 50 53.19 | +59 08 45.1 | 20.1 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 03.44039 | 02 50 53.01 | +59 08 50.1 | 19.6 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 03.45275 | 02 50 52.77 | +59 08 55.6 | 19.7 N | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.07096 | 02 50 22.41 | +59 19 12.5 | 19.4 T | 204 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.08294 | 02 50 22.12 | +59 19 17.1 | 19.2 T | 204 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.32847 | 02 50 17.17 | +59 20 51.0 | 19.4 T | 785 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.36609 | 02 50 16.48 | +59 21 04.8 | 19.4 T | 785 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.38925 | 02 50 16.13 | +59 21 13.2 | 18.9 T | 785 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.40476 | 02 50 15.93 | +59 21 19.0 | 19.4 T | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.41971 | 02 50 15.54 | +59 21 24.8 | 19.3 T | 704 |
| C/2002 VQ <sub>94</sub> | 2003 09 05.43452 | 02 50 15.24 | +59 21 31.0 | 19.6 T | 704 |

## C/2002 X1 (LINEAR)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 X1 | 2003 08 03.78373 | 05 39 34.01 | +16 01 41.9 |        | 349 |
| C/2002 X1 | 2003 08 03.78852 | 05 39 33.97 | +16 01 39.5 | 16.1 T | 349 |
| C/2002 X1 | 2003 08 07.76424 | 05 38 39.14 | +15 35 25.3 |        | 349 |
| C/2002 X1 | 2003 08 07.76868 | 05 38 39.13 | +15 35 24.1 |        | 349 |
| C/2002 X1 | 2003 08 07.77106 | 05 38 39.05 | +15 35 23.7 | 15.9 T | 349 |
| C/2002 X1 | 2003 08 09.42694 | 05 38 11.01 | +15 23 58.2 | 15.7 T | H41 |
| C/2002 X1 | 2003 08 09.43037 | 05 38 10.94 | +15 23 56.8 | 15.7 T | H41 |
| C/2002 X1 | 2003 08 15.15334 | 05 36 08.26 | +14 41 52.6 | 15.8 N | 620 |
| C/2002 X1 | 2003 08 15.15788 | 05 36 08.15 | +14 41 50.8 | 16.0 N | 620 |
| C/2002 X1 | 2003 08 23.13126 | 05 31 59.44 | +13 35 40.4 | 16.2 T | 204 |
| C/2002 X1 | 2003 08 23.75270 | 05 31 35.64 | +13 30 05.0 |        | 349 |
| C/2002 X1 | 2003 08 23.75995 | 05 31 35.45 | +13 30 02.0 |        | 349 |
| C/2002 X1 | 2003 08 23.76478 | 05 31 35.22 | +13 29 59.8 |        | 349 |
| C/2002 X1 | 2003 08 23.77111 | 05 31 34.98 | +13 29 55.6 | 15.7 T | 349 |
| C/2002 X1 | 2003 08 27.11254 | 05 29 15.14 | +12 58 45.7 | 15.7 N | 213 |
| C/2002 X1 | 2003 08 27.11429 | 05 29 15.05 | +12 58 43.6 | 15.7 N | 213 |
| C/2002 X1 | 2003 08 27.11624 | 05 29 14.82 | +12 58 45.0 | 15.7 N | 213 |
| C/2002 X1 | 2003 08 31.13023 | 05 25 57.73 | +12 18 29.3 | 15.4 T | 170 |
| C/2002 X1 | 2003 08 31.13387 | 05 25 57.56 | +12 18 26.7 | 15.4 T | 170 |
| C/2002 X1 | 2003 08 31.13751 | 05 25 57.34 | +12 18 24.7 | 15.5 T | 170 |
| C/2002 X1 | 2003 08 31.14620 | 05 25 56.80 | +12 18 20.2 | 15.1 N | 445 |
| C/2002 X1 | 2003 08 31.15138 | 05 25 56.62 | +12 18 16.3 | 15.1 N | 445 |
| C/2002 X1 | 2003 08 31.15545 | 05 25 56.40 | +12 18 14.0 | 15.1 N | 445 |
| C/2002 X1 | 2003 09 01.73021 | 05 24 29.55 | +12 01 32.0 |        | 342 |
| C/2002 X1 | 2003 09 01.77188 | 05 24 27.12 | +12 01 05.0 |        | 342 |
| C/2002 X1 | 2003 09 03.77784 | 05 22 28.12 | +11 39 05.9 | 16.1 N | E14 |
| C/2002 X1 | 2003 09 03.78165 | 05 22 27.91 | +11 39 02.8 | 16.7 N | E14 |
| C/2002 X1 | 2003 09 03.78510 | 05 22 27.64 | +11 39 00.5 | 16.6 N | E14 |
| C/2002 X1 | 2003 09 04.39693 | 05 21 49.42 | +11 32 03.3 | 17.3 T | 704 |
| C/2002 X1 | 2003 09 04.42273 | 05 21 47.90 | +11 31 45.8 | 17.3 T | 704 |
| C/2002 X1 | 2003 09 04.43539 | 05 21 46.84 | +11 31 35.4 | 17.5 T | 704 |
| C/2002 X1 | 2003 09 05.37295 | 05 20 46.66 | +11 20 50.6 | 15.8 T | H41 |
| C/2002 X1 | 2003 09 05.37876 | 05 20 46.28 | +11 20 46.5 | 15.7 T | H41 |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2002 X1 | 2003 09 07.41485 | 05 18 27.59 | +10 56 39.6 | 17.1 T | H44 |
| C/2002 X1 | 2003 09 07.43880 | 05 18 25.89 | +10 56 22.4 | 17.1 T | H44 |

## C/2003 F1 (LINEAR)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2003 F1 | 2003 08 03.49396 | 15 41 09.42 | +33 11 47.9 |        | 349 |
| C/2003 F1 | 2003 08 03.50008 | 15 41 09.40 | +33 11 40.8 |        | 349 |
| C/2003 F1 | 2003 08 03.50407 | 15 41 09.48 | +33 11 35.5 |        | 349 |
| C/2003 F1 | 2003 08 03.50749 | 15 41 09.53 | +33 11 32.5 | 17.0 T | 349 |
| C/2003 F1 | 2003 08 05.06950 | 15 41 13.79 | +32 40 24.6 |        | H72 |
| C/2003 F1 | 2003 08 05.07240 | 15 41 13.82 | +32 40 20.9 | 17.2 T | H72 |
| C/2003 F1 | 2003 08 05.07529 | 15 41 13.81 | +32 40 18.3 | 16.1 T | H72 |
| C/2003 F1 | 2003 08 16.06672 | 15 42 54.25 | +29 02 44.9 | 17.2 N | 785 |
| C/2003 F1 | 2003 08 16.08110 | 15 42 54.33 | +29 02 29.6 | 17.1 N | 785 |
| C/2003 F1 | 2003 08 17.10034 | 15 43 09.56 | +28 42 31.2 | 17.8 T | 762 |
| C/2003 F1 | 2003 08 17.10727 | 15 43 09.67 | +28 42 22.8 | 17.8 T | 762 |
| C/2003 F1 | 2003 08 17.11476 | 15 43 09.78 | +28 42 14.3 | 18.2 T | 762 |
| C/2003 F1 | 2003 08 17.12546 | 15 43 09.96 | +28 42 01.0 | 17.8 T | 762 |
| C/2003 F1 | 2003 08 18.09250 | 15 43 25.22 | +28 23 13.7 | 16.8 N | 785 |
| C/2003 F1 | 2003 08 18.11150 | 15 43 25.58 | +28 22 45.3 | 17.1 N | 785 |
| C/2003 F1 | 2003 08 19.84867 | 15 43 55.09 | +27 48 59.2 | 17.1 T | 232 |
| C/2003 F1 | 2003 08 19.85635 | 15 43 55.23 | +27 48 49.8 | 17.1 T | 232 |
| C/2003 F1 | 2003 08 19.86310 | 15 43 55.36 | +27 48 42.3 | 17.6 T | 213 |
| C/2003 F1 | 2003 08 19.86410 | 15 43 55.37 | +27 48 41.9 | 17.1 T | 232 |
| C/2003 F1 | 2003 08 19.86988 | 15 43 55.53 | +27 48 33.9 | 17.6 N | 213 |
| C/2003 F1 | 2003 08 19.87447 | 15 43 55.62 | +27 48 28.9 | 17.6 N | 213 |
| C/2003 F1 | 2003 08 22.82765 | 15 44 51.90 | +26 51 26.1 | 17.7 N | 130 |
| C/2003 F1 | 2003 08 22.83177 | 15 44 51.96 | +26 51 21.2 | 18.2 N | 130 |
| C/2003 F1 | 2003 08 22.83999 | 15 44 52.14 | +26 51 11.9 | 16.9 N | 130 |
| C/2003 F1 | 2003 08 23.84284 | 15 45 12.94 | +26 31 57.7 |        | 118 |
| C/2003 F1 | 2003 08 23.84404 | 15 45 13.01 | +26 31 56.2 |        | 118 |
| C/2003 F1 | 2003 08 23.84791 | 15 45 13.03 | +26 31 50.8 |        | 118 |
| C/2003 F1 | 2003 08 23.84977 | 15 45 13.12 | +26 31 49.1 | 17.7 N | 118 |
| C/2003 F1 | 2003 08 24.80538 | 15 45 33.72 | +26 13 32.7 |        | A46 |
| C/2003 F1 | 2003 08 24.80764 | 15 45 33.84 | +26 13 29.9 |        | A46 |
| C/2003 F1 | 2003 08 24.80990 | 15 45 33.78 | +26 13 28.3 |        | A46 |
| C/2003 F1 | 2003 08 24.81441 | 15 45 33.95 | +26 13 23.4 |        | A46 |
| C/2003 F1 | 2003 08 24.81666 | 15 45 33.89 | +26 13 21.0 |        | A46 |
| C/2003 F1 | 2003 08 24.81834 | 15 45 34.00 | +26 13 20.4 |        | A46 |
| C/2003 F1 | 2003 08 26.04941 | 15 46 01.66 | +25 49 48.4 | 17.2 N | 785 |
| C/2003 F1 | 2003 08 26.08016 | 15 46 02.21 | +25 49 13.5 | 17.1 N | 785 |
| C/2003 F1 | 2003 08 26.83903 | 15 46 20.14 | +25 34 52.9 |        | A46 |
| C/2003 F1 | 2003 08 26.84128 | 15 46 20.04 | +25 34 48.6 |        | A46 |
| C/2003 F1 | 2003 08 26.84354 | 15 46 20.01 | +25 34 46.3 |        | A46 |
| C/2003 F1 | 2003 08 26.84579 | 15 46 19.96 | +25 34 44.2 |        | A46 |
| C/2003 F1 | 2003 08 26.84806 | 15 46 20.08 | +25 34 40.2 |        | A46 |
| C/2003 F1 | 2003 08 29.84580 | 15 47 34.20 | +24 38 16.5 |        | 232 |
| C/2003 F1 | 2003 08 29.92015 | 15 47 36.12 | +24 36 50.0 | 16.9 N | 442 |
| C/2003 F1 | 2003 08 29.92360 | 15 47 36.11 | +24 36 46.0 | 17.0 N | 442 |

## C/2003 G1 (LINEAR)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/2003 G1 | 2003 07 30.85349 | 16 51 00.55 | +12 16 56.1 | 15.7 N | 235 |
| C/2003 G1 | 2003 08 02.52709 | 16 50 26.29 | +12 21 06.2 |        | 349 |
| C/2003 G1 | 2003 08 02.52928 | 16 50 26.28 | +12 21 06.3 |        | 349 |
| C/2003 G1 | 2003 08 02.53299 | 16 50 26.25 | +12 21 06.6 |        | 349 |

|           |                  |             |             |        |     |           |                  |             |             |            |
|-----------|------------------|-------------|-------------|--------|-----|-----------|------------------|-------------|-------------|------------|
| C/2003 G1 | 2003 08 02.53515 | 16 50 26.21 | +12 21 07.4 | 16.1 T | 349 | C/2003 G1 | 2003 08 15.85317 | 16 48 59.79 | +12 32 42.1 | 048        |
| C/2003 G1 | 2003 08 02.93756 | 16 50 21.54 | +12 21 40.7 | 16.8 T | 561 | C/2003 G1 | 2003 08 15.85609 | 16 48 59.78 | +12 32 42.1 | 048        |
| C/2003 G1 | 2003 08 02.94201 | 16 50 21.49 | +12 21 41.6 | 16.9 T | 561 | C/2003 G1 | 2003 08 15.85905 | 16 48 59.77 | +12 32 41.8 | 048        |
| C/2003 G1 | 2003 08 02.94687 | 16 50 21.43 | +12 21 42.0 | 16.7 T | 561 | C/2003 G1 | 2003 08 15.86051 | 16 48 59.77 | +12 32 42.3 | 048        |
| C/2003 G1 | 2003 08 03.56644 | 16 50 14.50 | +12 22 32.4 |        | 349 | C/2003 G1 | 2003 08 15.86343 | 16 48 59.71 | +12 32 42.2 | 048        |
| C/2003 G1 | 2003 08 03.57008 | 16 50 14.44 | +12 22 32.8 |        | 349 | C/2003 G1 | 2003 08 15.89438 | 16 48 59.68 | +12 32 42.9 | A46        |
| C/2003 G1 | 2003 08 03.57287 | 16 50 14.41 | +12 22 33.1 |        | 349 | C/2003 G1 | 2003 08 15.89552 | 16 48 59.68 | +12 32 42.4 | A46        |
| C/2003 G1 | 2003 08 03.57602 | 16 50 14.38 | +12 22 33.2 | 15.9 T | 349 | C/2003 G1 | 2003 08 15.89664 | 16 48 59.69 | +12 32 42.5 | A46        |
| C/2003 G1 | 2003 08 05.08771 | 16 49 58.75 | +12 24 27.1 | 16.6 T | H72 | C/2003 G1 | 2003 08 15.90002 | 16 48 59.74 | +12 32 43.5 | A46        |
| C/2003 G1 | 2003 08 05.09097 | 16 49 58.76 | +12 24 27.8 | 16.7 T | H72 | C/2003 G1 | 2003 08 15.90115 | 16 48 59.74 | +12 32 42.9 | A46        |
| C/2003 G1 | 2003 08 05.09420 | 16 49 58.78 | +12 24 28.1 | 16.3 T | H72 | C/2003 G1 | 2003 08 15.90341 | 16 48 59.73 | +12 32 43.2 | A46        |
| C/2003 G1 | 2003 08 05.17163 | 16 49 58.00 | +12 24 34.2 | 16.5 T | H72 | C/2003 G1 | 2003 08 16.84804 | 16 48 58.87 | +12 33 03.2 | 048        |
| C/2003 G1 | 2003 08 05.17487 | 16 49 57.89 | +12 24 34.7 | 16.4 T | H72 | C/2003 G1 | 2003 08 16.84949 | 16 48 58.87 | +12 33 03.2 | 048        |
| C/2003 G1 | 2003 08 05.90115 | 16 49 51.12 | +12 25 23.5 |        | A46 | C/2003 G1 | 2003 08 16.85242 | 16 48 58.89 | +12 33 03.1 | 048        |
| C/2003 G1 | 2003 08 05.90212 | 16 49 51.14 | +12 25 23.7 | 15.8 T | A32 | C/2003 G1 | 2003 08 16.85536 | 16 48 58.87 | +12 33 03.1 | 048        |
| C/2003 G1 | 2003 08 05.90340 | 16 49 51.10 | +12 25 24.6 |        | A46 | C/2003 G1 | 2003 08 16.85682 | 16 48 58.87 | +12 33 03.2 | 048        |
| C/2003 G1 | 2003 08 05.90453 | 16 49 51.08 | +12 25 25.0 |        | A46 | C/2003 G1 | 2003 08 16.87370 | 16 48 58.88 | +12 33 02.2 | A46        |
| C/2003 G1 | 2003 08 05.90677 | 16 49 51.09 | +12 25 23.8 |        | A46 | C/2003 G1 | 2003 08 16.87483 | 16 48 58.93 | +12 33 02.7 | A46        |
| C/2003 G1 | 2003 08 05.91127 | 16 49 51.03 | +12 25 25.0 |        | A46 | C/2003 G1 | 2003 08 16.87932 | 16 48 58.93 | +12 33 03.6 | A46        |
| C/2003 G1 | 2003 08 05.91241 | 16 49 51.06 | +12 25 24.0 |        | A46 | C/2003 G1 | 2003 08 16.88157 | 16 48 58.97 | +12 33 03.7 | A46        |
| C/2003 G1 | 2003 08 06.86425 | 16 49 42.72 | +12 26 26.0 |        | 048 | C/2003 G1 | 2003 08 16.88382 | 16 48 58.95 | +12 33 02.5 | A46        |
| C/2003 G1 | 2003 08 06.86580 | 16 49 42.71 | +12 26 25.8 |        | 048 | C/2003 G1 | 2003 08 16.88608 | 16 48 58.93 | +12 33 03.0 | A46        |
| C/2003 G1 | 2003 08 06.87043 | 16 49 42.66 | +12 26 26.1 |        | 048 | C/2003 G1 | 2003 08 17.16068 | 16 48 58.77 | +12 33 09.7 | 17.1 T 762 |
| C/2003 G1 | 2003 08 06.98023 | 16 49 41.79 | +12 26 33.3 | 15.6 T | A32 | C/2003 G1 | 2003 08 17.85953 | 16 48 58.75 | +12 33 20.5 | 048        |
| C/2003 G1 | 2003 08 07.86970 | 16 49 34.90 | +12 27 25.9 |        | A46 | C/2003 G1 | 2003 08 17.86101 | 16 48 58.73 | +12 33 21.2 | 048        |
| C/2003 G1 | 2003 08 07.87193 | 16 49 34.84 | +12 27 27.3 |        | A46 | C/2003 G1 | 2003 08 17.86247 | 16 48 58.75 | +12 33 21.2 | 048        |
| C/2003 G1 | 2003 08 07.87304 | 16 49 34.75 | +12 27 25.8 |        | A46 | C/2003 G1 | 2003 08 18.87529 | 16 48 59.52 | +12 33 35.0 | 16.2 T 232 |
| C/2003 G1 | 2003 08 07.87417 | 16 49 34.73 | +12 27 27.2 |        | A46 | C/2003 G1 | 2003 08 18.88302 | 16 48 59.49 | +12 33 35.5 | 16.2 T 232 |
| C/2003 G1 | 2003 08 07.87529 | 16 49 34.83 | +12 27 26.3 |        | A46 | C/2003 G1 | 2003 08 18.89078 | 16 48 59.53 | +12 33 35.3 | 16.2 T 232 |
| C/2003 G1 | 2003 08 07.87755 | 16 49 34.75 | +12 27 27.0 |        | A46 | C/2003 G1 | 2003 08 18.89828 | 16 48 59.53 | +12 33 34.5 | 16.4 N 213 |
| C/2003 G1 | 2003 08 08.85072 | 16 49 27.79 | +12 28 21.8 | 17.3 N | 130 | C/2003 G1 | 2003 08 18.90072 | 16 48 59.54 | +12 33 34.7 | 16.4 N 213 |
| C/2003 G1 | 2003 08 08.85430 | 16 49 27.74 | +12 28 22.1 | 16.9 N | 130 | C/2003 G1 | 2003 08 18.90431 | 16 48 59.52 | +12 33 34.7 | 16.5 N 213 |
| C/2003 G1 | 2003 08 08.85788 | 16 49 27.74 | +12 28 22.1 | 16.8 N | 130 | C/2003 G1 | 2003 08 19.85086 | 16 49 00.96 | +12 33 44.5 | 16.4 N 204 |
| C/2003 G1 | 2003 08 09.86313 | 16 49 21.37 | +12 29 12.9 |        | 048 | C/2003 G1 | 2003 08 20.83231 | 16 49 03.14 | +12 33 51.4 | 048        |
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M.P.C. 49405

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| C/2003 H1 | 2003 08 15.84457 | 14 54 03.41 | +12 49 12.8 |        | A46 | C/2003 H1 | 2003 08 22.83538 | 14 49 08.73 | +11 12 19.5 | 15.3 N | 442 |
| C/2003 H1 | 2003 08 15.85300 | 14 54 03.03 | +12 49 06.7 | 15.3 N | 017 | C/2003 H1 | 2003 08 22.83692 | 14 49 08.76 | +11 12 18.3 | 15.2 N | 442 |
| C/2003 H1 | 2003 08 16.80799 | 14 53 18.28 | +12 35 45.9 |        | 048 | C/2003 H1 | 2003 08 22.84855 | 14 49 08.06 | +11 12 08.7 | 15.9 N | 235 |
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| C/2003 H1 | 2003 08 16.81104 | 14 53 18.14 | +12 35 43.2 |        | 048 | C/2003 H1 | 2003 08 23.82109 | 14 48 32.94 | +10 58 48.0 |        | 118 |
| C/2003 H1 | 2003 08 16.81301 | 14 53 18.14 | +12 35 41.4 |        | A46 | C/2003 H1 | 2003 08 23.82131 | 14 48 32.96 | +10 58 47.3 |        | A46 |
| C/2003 H1 | 2003 08 16.81411 | 14 53 18.05 | +12 35 40.7 |        | 048 | C/2003 H1 | 2003 08 23.82242 | 14 48 32.91 | +10 58 46.8 |        | A46 |
| C/2003 H1 | 2003 08 16.81413 | 14 53 18.06 | +12 35 41.3 |        | A46 | C/2003 H1 | 2003 08 23.82330 | 14 48 32.91 | +10 58 46.1 |        | 118 |

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|-----------|------------------|-------------|-------------|--------|-----|
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| C/2003 H1 | 2003 08 23.82623 | 14 48 32.77 | +10 58 43.6 | 16.6 N | 118 |
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| C/2003 H1 | 2003 08 24.86493 | 14 47 56.65 | +10 44 33.0 | 15.9 N | 939 |
| C/2003 H1 | 2003 08 24.86972 | 14 47 56.51 | +10 44 28.9 | 15.9 N | 939 |
| C/2003 H1 | 2003 08 26.79985 | 14 46 53.05 | +10 18 12.8 |        | A46 |
| C/2003 H1 | 2003 08 26.80097 | 14 46 52.94 | +10 18 12.0 |        | A46 |
| C/2003 H1 | 2003 08 26.80193 | 14 46 52.83 | +10 18 12.3 | 15.4 N | 235 |
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| C/2003 H1 | 2003 08 26.80774 | 14 46 52.76 | +10 18 07.0 |        | A46 |
| C/2003 H1 | 2003 08 26.80888 | 14 46 52.67 | +10 18 06.7 |        | A46 |
| C/2003 H1 | 2003 08 26.80999 | 14 46 52.64 | +10 18 05.0 |        | A46 |
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| C/2003 H1 | 2003 08 26.83557 | 14 46 51.74 | +10 17 44.3 | 16.0 T | 619 |
| C/2003 H1 | 2003 08 26.83635 | 14 46 51.76 | +10 17 43.8 | 16.2 T | 619 |
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| C/2003 H1 | 2003 08 28.81532 | 14 45 52.03 | +09 51 01.2 |        | A46 |
| C/2003 H1 | 2003 08 28.81645 | 14 45 51.92 | +09 51 00.3 |        | A46 |
| C/2003 H1 | 2003 08 28.81870 | 14 45 51.95 | +09 50 58.7 |        | A46 |
| C/2003 H1 | 2003 08 29.82192 | 14 45 23.64 | +09 37 29.4 | 15.4 N | 232 |
| C/2003 H1 | 2003 08 29.82704 | 14 45 23.41 | +09 37 25.1 | 15.4 N | 232 |
| C/2003 H1 | 2003 08 29.82787 | 14 45 23.41 | +09 37 25.3 | 15.8 N | 939 |
| C/2003 H1 | 2003 08 29.83216 | 14 45 23.12 | +09 37 21.1 | 15.5 N | 232 |
| C/2003 H1 | 2003 08 29.83274 | 14 45 23.34 | +09 37 21.7 | 15.8 N | 939 |
| C/2003 H1 | 2003 08 29.83679 | 14 45 23.08 | +09 37 17.7 | 15.7 N | 213 |
| C/2003 H1 | 2003 08 29.83753 | 14 45 23.25 | +09 37 18.1 | 15.8 N | 939 |
| C/2003 H1 | 2003 08 29.83792 | 14 45 23.01 | +09 37 16.6 | 15.7 N | 213 |
| C/2003 H1 | 2003 08 29.83906 | 14 45 23.04 | +09 37 15.6 | 15.7 N | 213 |
| C/2003 H1 | 2003 08 30.83435 | 14 44 56.29 | +09 23 58.1 | 15.6 N | 939 |
| C/2003 H1 | 2003 08 30.83922 | 14 44 56.13 | +09 23 54.3 | 15.6 N | 939 |
| C/2003 H1 | 2003 08 30.84404 | 14 44 56.02 | +09 23 50.6 | 15.6 N | 939 |
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| C/2003 H1 | 2003 09 05.78615 | 14 42 39.23 | +08 05 29.7 |        | A46 |
| C/2003 H1 | 2003 09 05.78726 | 14 42 39.16 | +08 05 28.6 |        | A46 |
| C/2003 H1 | 2003 09 05.78837 | 14 42 39.19 | +08 05 27.4 |        | A46 |
| C/2003 H1 | 2003 09 05.79172 | 14 42 39.09 | +08 05 25.4 |        | A46 |
| C/2003 H1 | 2003 09 05.79397 | 14 42 39.10 | +08 05 22.5 |        | A46 |

## C/2003 H3 (NEAT)

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| C/2003 H3 | 2003 08 01.98626 | 19 01 29.70 | +09 05 42.2 | 15.5 T | A02 |
| C/2003 H3 | 2003 08 01.98851 | 19 01 29.61 | +09 05 42.7 | 15.5 T | A02 |
| C/2003 H3 | 2003 08 03.58561 | 19 00 32.89 | +09 16 15.4 | 15.2 T | 349 |
| C/2003 H3 | 2003 08 03.58921 | 19 00 32.76 | +09 16 16.7 |        | 349 |
| C/2003 H3 | 2003 08 03.59302 | 19 00 32.61 | +09 16 18.1 |        | 349 |
| C/2003 H3 | 2003 08 03.59653 | 19 00 32.49 | +09 16 19.5 |        | 349 |
| C/2003 H3 | 2003 08 03.60100 | 19 00 32.34 | +09 16 21.4 |        | 349 |
| C/2003 H3 | 2003 08 04.88435 | 18 59 48.93 | +09 24 22.4 |        | 952 |
| C/2003 H3 | 2003 08 04.88719 | 18 59 48.83 | +09 24 23.6 |        | 952 |
| C/2003 H3 | 2003 08 04.89216 | 18 59 48.64 | +09 24 25.3 |        | 952 |
| C/2003 H3 | 2003 08 04.89558 | 18 59 48.55 | +09 24 26.9 |        | 952 |
| C/2003 H3 | 2003 08 04.96841 | 18 59 46.02 | +09 24 51.9 | 15.7 T | A32 |

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| C/2003 H3 | 2003 08 04.98170 | 18 59 45.54 | +09 24 56.5 | 15.8 T | A32 |
| C/2003 H3 | 2003 08 04.98907 | 18 59 45.26 | +09 24 59.8 | 15.7 T | A32 |
| C/2003 H3 | 2003 08 05.10755 | 18 59 41.36 | +09 25 44.5 | 16.8 T | H72 |
| C/2003 H3 | 2003 08 05.11101 | 18 59 41.29 | +09 25 45.4 | 16.0 T | H72 |
| C/2003 H3 | 2003 08 05.11425 | 18 59 41.18 | +09 25 46.5 | 15.8 T | H72 |
| C/2003 H3 | 2003 08 05.27807 | 18 59 35.68 | +09 26 46.1 | 13.4 T | H72 |
| C/2003 H3 | 2003 08 05.28132 | 18 59 35.59 | +09 26 46.7 | 15.7 T | H72 |
| C/2003 H3 | 2003 08 05.90808 | 18 59 15.41 | +09 30 28.2 |        | 048 |
| C/2003 H3 | 2003 08 05.91098 | 18 59 15.31 | +09 30 29.6 |        | 048 |
| C/2003 H3 | 2003 08 05.91391 | 18 59 15.20 | +09 30 30.7 |        | 048 |
| C/2003 H3 | 2003 08 05.91682 | 18 59 15.07 | +09 30 31.6 |        | 048 |
| C/2003 H3 | 2003 08 05.91975 | 18 59 14.95 | +09 30 32.3 |        | 048 |
| C/2003 H3 | 2003 08 05.96331 | 18 59 13.64 | +09 30 47.7 | 15.6 N | 442 |
| C/2003 H3 | 2003 08 05.97116 | 18 59 13.31 | +09 30 50.0 | 15.8 T | A32 |
| C/2003 H3 | 2003 08 05.97411 | 18 59 13.19 | +09 30 51.3 | 16.0 T | A32 |
| C/2003 H3 | 2003 08 05.97705 | 18 59 13.10 | +09 30 52.0 | 15.9 T | A32 |
| C/2003 H3 | 2003 08 05.98000 | 18 59 13.01 | +09 30 53.1 | 15.9 T | A32 |
| C/2003 H3 | 2003 08 06.00543 | 18 59 12.11 | +09 31 02.5 |        | A46 |
| C/2003 H3 | 2003 08 06.00769 | 18 59 11.99 | +09 31 02.5 |        | A46 |
| C/2003 H3 | 2003 08 06.00882 | 18 59 12.01 | +09 31 03.2 |        | A46 |
| C/2003 H3 | 2003 08 06.01108 | 18 59 11.86 | +09 31 03.3 |        | A46 |
| C/2003 H3 | 2003 08 06.01221 | 18 59 11.88 | +09 31 04.2 |        | A46 |
| C/2003 H3 | 2003 08 06.01446 | 18 59 11.82 | +09 31 04.5 |        | A46 |
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| C/2003 H3 | 2003 08 06.51162 | 18 58 56.22 | +09 33 58.4 | 16.2 N | 379 |
| C/2003 H3 | 2003 08 06.51358 | 18 58 56.15 | +09 33 58.9 | 16.6 N | 379 |
| C/2003 H3 | 2003 08 06.51553 | 18 58 56.07 | +09 33 59.5 | 16.4 N | 379 |
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| C/2003 H3 | 2003 08 06.90170 | 18 58 44.00 | +09 36 09.9 |        | 048 |
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| C/2003 H3 | 2003 08 07.00972 | 18 58 40.57 | +09 36 46.4 |        | A46 |
| C/2003 H3 | 2003 08 07.02183 | 18 58 40.22 | +09 36 50.6 | 16.0 T | A32 |
| C/2003 H3 | 2003 08 08.88503 | 18 57 44.84 | +09 46 51.8 | 16.7 N | J87 |
| C/2003 H3 | 2003 08 08.88728 | 18 57 44.72 | +09 46 53.3 | 17.2 N | J87 |
| C/2003 H3 | 2003 08 08.88986 | 18 57 44.70 | +09 46 54.7 | 16.7 N | J87 |
| C/2003 H3 | 2003 08 09.53856 | 18 57 26.31 | +09 50 12.7 | 16.3 N | 379 |
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| C/2003 H3 | 2003 08 09.88744 | 18 57 16.55 | +09 51 56.2 |        | 048 |
| C/2003 H3 | 2003 08 09.89034 | 18 57 16.37 | +09 51 56.7 |        | 048 |
| C/2003 H3 | 2003 08 09.89324 | 18 57 16.34 | +09 51 57.8 |        | 048 |
| C/2003 H3 | 2003 08 09.89620 | 18 57 16.20 | +09 51 58.3 |        | 048 |

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| C/2003 H3 | 2003 08 09.97205 | 18 57 14.17 | +09 52 21.2 | 15.4 N | A32 | C/2003 H3                 | 2003 08 22.93566 | 18 53 01.00 | +10 39 56.4 |        | A46   |
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| C/2003 H3 | 2003 08 10.89946 | 18 56 49.23 | +09 56 50.7 |        | 048 | C/2003 H3                 | 2003 08 22.93793 | 18 53 01.00 | +10 39 57.1 |        | A46   |
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| C/2003 H3 | 2003 08 10.90818 | 18 56 49.01 | +09 56 53.4 |        | 048 | C/2003 H3                 | 2003 08 22.94701 | 18 53 00.86 | +10 39 59.3 |        | A46   |
| C/2003 H3 | 2003 08 11.01009 | 18 56 46.19 | +09 57 22.2 |        | A46 | C/2003 H3                 | 2003 08 22.96777 | 18 53 00.64 | +10 40 03.4 | 15.8 N | 442   |
| C/2003 H3 | 2003 08 11.01234 | 18 56 46.21 | +09 57 23.6 |        | A46 | C/2003 H3                 | 2003 08 23.86892 | 18 52 51.11 | +10 42 14.8 | 16.7 N | 213   |
| C/2003 H3 | 2003 08 11.01348 | 18 56 46.11 | +09 57 26.3 |        | A46 | C/2003 H3                 | 2003 08 23.87191 | 18 52 51.10 | +10 42 15.1 | 16.7 N | 213   |
| C/2003 H3 | 2003 08 11.01573 | 18 56 46.10 | +09 57 27.2 |        | A46 | C/2003 H3                 | 2003 08 23.87395 | 18 52 51.01 | +10 42 14.6 | 16.6 N | 213   |
| C/2003 H3 | 2003 08 11.01687 | 18 56 46.06 | +09 57 25.7 |        | A46 | C/2003 H3                 | 2003 08 23.92648 | 18 52 50.51 | +10 42 22.9 |        | A46   |
| C/2003 H3 | 2003 08 11.01800 | 18 56 45.99 | +09 57 26.2 |        | A46 | C/2003 H3                 | 2003 08 23.92760 | 18 52 50.52 | +10 42 23.0 |        | A46   |
| C/2003 H3 | 2003 08 12.84622 | 18 56 00.32 | +10 05 40.4 | 16.2 N | 213 | C/2003 H3                 | 2003 08 23.92987 | 18 52 50.42 | +10 42 24.3 |        | A46   |
| C/2003 H3 | 2003 08 12.84736 | 18 56 00.27 | +10 05 40.5 | 16.2 N | 213 | C/2003 H3                 | 2003 08 23.93214 | 18 52 50.42 | +10 42 25.0 |        | A46   |
| C/2003 H3 | 2003 08 14.01603 | 18 55 32.82 | +10 10 37.9 | 16.5 N | 620 | C/2003 H3                 | 2003 08 23.93553 | 18 52 50.38 | +10 42 25.3 |        | A46   |
| C/2003 H3 | 2003 08 14.02264 | 18 55 32.63 | +10 10 39.1 | 16.5 N | 620 | C/2003 H3                 | 2003 08 23.93667 | 18 52 50.37 | +10 42 24.6 |        | A46   |
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| C/2003 H3 | 2003 08 14.16137 | 18 55 29.62 | +10 11 13.8 | 17.2 T | 762 | C/2003 H3                 | 2003 08 29.94662 | 18 52 13.46 | +10 54 12.7 | 15.9 N | 442   |
| C/2003 H3 | 2003 08 14.16501 | 18 55 29.54 | +10 11 14.6 | 17.0 T | 762 | <b>P/2003 H4 (LINEAR)</b> |                  |             |             |        |       |
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| C/2003 H3 | 2003 08 16.21519 | 18 54 46.09 | +10 19 11.6 | 16.9 T | H41 | P/2003 H4                 | 2003 04 30.25368 | 16 06 42.91 | -18 47 46.9 | 18.2 N | 651   |
| C/2003 H3 | 2003 08 16.21872 | 18 54 46.02 | +10 19 12.1 | 16.9 T | H41 | P/2003 H4                 | 2003 04 30.42145 | 16 06 43.57 | -18 43 46.3 | 18.5 N | 926   |
| C/2003 H3 | 2003 08 17.16449 | 18 54 27.95 | +10 22 36.5 | 15.9 T | H41 | P/2003 H4                 | 2003 04 30.42749 | 16 06 43.73 | -18 43 34.9 | 18.1 N | 926   |
| C/2003 H3 | 2003 08 17.16764 | 18 54 27.76 | +10 22 37.3 | 15.9 T | H41 | P/2003 H4                 | 2003 04 30.43343 | 16 06 43.83 | -18 43 30.1 | 18.3 N | 926   |
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| C/2003 H3 | 2003 08 18.26389 | 18 54 07.93 | +10 26 19.3 | 16.4 T | 785 | P/2003 H4                 | 2003 04 30.56721 | 16 06 45.53 | -18 40 03.9 | 18.6 T | 422   |
| C/2003 H3 | 2003 08 18.27721 | 18 54 07.74 | +10 26 22.7 | 16.8 T | 785 | P/2003 H4                 | 2003 04 30.56911 | 16 06 45.47 | -18 40 01.5 | 18.2 T | 422   |
| C/2003 H3 | 2003 08 18.91444 | 18 53 57.05 | +10 28 27.4 | 16.5 N | 213 | P/2003 H4                 | 2003 04 30.57039 | 16 06 45.47 | -18 40 00.7 |        | 422   |
| C/2003 H3 | 2003 08 18.91590 | 18 53 57.03 | +10 28 27.7 | 16.5 N | 213 | P/2003 H4                 | 2003 04 30.57120 | 16 06 45.52 | -18 39 59.4 |        | 422   |
| C/2003 H3 | 2003 08 18.91699 | 18 53 57.01 | +10 28 27.8 | 16.5 N | 213 | P/2003 H4                 | 2003 05 01.03542 | 16 06 48.88 | -18 29 00.0 | 17.6 N | 176   |
| C/2003 H3 | 2003 08 18.94119 | 18 53 56.58 | +10 28 32.9 | 16.6 T | 232 | P/2003 H4                 | 2003 05 01.04676 | 16 06 48.94 | -18 28 43.7 | 17.6 N | 176   |
| C/2003 H3 | 2003 08 18.94301 | 18 53 56.58 | +10 28 32.9 | 16.2 N | 442 | P/2003 H4                 | 2003 05 01.05046 | 16 06 48.96 | -18 28 38.4 | 17.8 N | 176   |
| C/2003 H3 | 2003 08 18.94634 | 18 53 56.52 | +10 28 33.2 | 16.6 T | 232 | P/2003 H4                 | 2003 05 01.05359 | 16 06 48.98 | -18 28 33.9 | 17.9 N | 176   |
| C/2003 H3 | 2003 08 18.95153 | 18 53 56.43 | +10 28 34.9 | 16.6 T | 232 | P/2003 H4                 | 2003 05 01.37674 | 16 06 51.16 | -18 20 43.3 | 18.7 N | 704   |
| C/2003 H3 | 2003 08 18.99775 | 18 53 55.67 | +10 28 42.2 | 16.7 T | 939 | P/2003 H4                 | 2003 05 01.38874 | 16 06 51.26 | -18 20 26.0 | 19.1 N | 704   |
| C/2003 H3 | 2003 08 19.00541 | 18 53 55.47 | +10 28 45.2 | 16.6 T | 939 | P/2003 H4                 | 2003 05 01.40061 | 16 06 51.27 | -18 20 08.0 | 18.9 N | 704   |
| C/2003 H3 | 2003 08 19.01301 | 18 53 55.28 | +10 28 48.5 | 16.6 T | 939 | P/2003 H4                 | 2003 05 01.41247 | 16 06 51.31 | -18 19 51.2 | 18.8 N | 704   |
| C/2003 H3 | 2003 08 19.91169 | 18 53 41.25 | +10 31 32.6 | 15.9 N | 442 | P/2003 H4                 | 2003 05 01.48669 | 16 06 52.64 | -18 17 48.0 | 18.2 N | E14   |
| C/2003 H3 | 2003 08 19.91311 | 18 53 41.28 | +10 31 34.3 | 15.8 N | 442 | P/2003 H4                 | 2003 05 01.49378 | 16 06 52.66 | -18 17 38.0 | 17.6 N | E14   |
| C/2003 H3 | 2003 08 20.84620 | 18 53 27.65 | +10 34 18.7 |        | 048 | P/2003 H4                 | 2003 05 01.50087 | 16 06 52.73 | -18 17 27.3 | 18.2 N | E14   |
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| C/2003 H3 | 2003 08 20.85792 | 18 53 27.45 | +10 34 20.9 |        | 048 | P/2003 H4                 | 2003 05 02.22863 | 16 06 57.07 | -17 59 59.2 | 17.7 T | 854   |
| C/2003 H3 | 2003 08 20.86816 | 18 53 27.23 | +10 34 23.8 |        | 048 | P/2003 H4                 | 2003 05 02.28716 | 16 06 56.94 | -17 58 31.3 | 18.4 N | 734   |
| C/2003 H3 | 2003 08 21.20972 | 18 53 22.59 | +10 35 21.1 | 16.2 T | 785 | P/2003 H4                 | 2003 05 02.29185 | 16 06 56.90 | -17 58 24.1 | 18.6 N | 734   |
| C/2003 H3 | 2003 08 22.52012 | 18 53 05.95 | +10 38 53.2 | 15.2 T | 360 | P/2003 H4                 | 2003 05 02.29652 | 16 06 56.97 | -17 58 17.0 | 18.1 N | 734   |
| C/2003 H3 | 2003 08 22.52420 | 18 53 05.90 | +10 38 53.8 |        | 360 | P/2003 H4                 | 2003 05 02.33828 | 16 06 57.22 | -17 57 13.3 | 18.0 T | 711   |
| C/2003 H3 | 2003 08 22.52682 | 18 53 05.86 | +10 38 54.2 |        | 360 | P/2003 H4                 | 2003 05 02.34506 | 16 06 57.23 | -17 57 03.4 | 17.7 T | 3 711 |
| C/2003 H3 | 2003 08 22.55759 | 18 53 05.45 | +10 38 59.0 |        | 349 | P/2003 H4                 | 2003 05 02.35185 | 16 06 57.24 | -17 56 53.7 | 17.8 T | 3 711 |
| C/2003 H3 | 2003 08 22.56561 | 18 53 05.35 | +10 39 00.1 |        | 349 | P/2003 H4                 | 2003 05 02.39201 | 16 06 57.24 | -17 55 56.5 | 17.8 N | 926   |
| C/2003 H3 | 2003 08 22.56883 | 18 53 05.30 | +10 39 00.2 |        | 349 |                           |                  |             |             |        |       |



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|           |                  |             |             |        |     |
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| P/2003 H4 | 2003 05 02.39743 | 16 06 57.17 | -17 55 46.7 | 17.7 N | 926 |
| P/2003 H4 | 2003 05 02.40287 | 16 06 57.24 | -17 55 39.2 | 17.6 N | 926 |
| P/2003 H4 | 2003 05 02.40838 | 16 06 57.22 | -17 55 28.6 | 18.2 N | 926 |

**C/2003 J1 (NEAT)**

|           |                  |             |             |        |     |
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| C/2003 J1 | 2003 06 25.32541 | 20 45 49.98 | -22 02 00.9 | 18.5 T | 704 |
| C/2003 J1 | 2003 06 25.33540 | 20 45 49.56 | -22 02 08.3 | 18.3 T | 704 |
| C/2003 J1 | 2003 06 25.35570 | 20 45 48.74 | -22 02 21.9 | 18.3 T | 704 |
| C/2003 J1 | 2003 06 25.36575 | 20 45 48.37 | -22 02 29.3 | 18.5 T | 704 |
| C/2003 J1 | 2003 07 02.32292 | 20 40 47.41 | -23 25 46.2 | 18.2 T | 704 |
| C/2003 J1 | 2003 07 02.33300 | 20 40 46.93 | -23 25 55.4 | 18.3 T | 704 |
| C/2003 J1 | 2003 07 02.34318 | 20 40 46.48 | -23 26 02.4 | 18.5 T | 704 |
| C/2003 J1 | 2003 07 02.35303 | 20 40 46.02 | -23 26 09.4 | 18.4 T | 704 |
| C/2003 J1 | 2003 07 02.36286 | 20 40 45.56 | -23 26 16.7 | 18.4 T | 704 |
| C/2003 J1 | 2003 07 19.15056 | 20 26 16.90 | -26 53 11.6 | 18.7 N | 859 |
| C/2003 J1 | 2003 07 19.15796 | 20 26 16.49 | -26 53 17.9 | 18.7 N | 859 |
| C/2003 J1 | 2003 07 19.16469 | 20 26 15.81 | -26 53 25.1 | 18.3 N | 859 |
| C/2003 J1 | 2003 07 29.11297 | 20 16 38.85 | -28 53 11.5 | 18.6 N | 859 |
| C/2003 J1 | 2003 07 29.11933 | 20 16 38.50 | -28 53 15.7 | 18.0 N | 859 |
| C/2003 J1 | 2003 07 29.12550 | 20 16 38.15 | -28 53 20.7 | 18.0 N | 859 |
| C/2003 J1 | 2003 07 30.62794 | 20 15 09.08 | -29 10 53.5 | 17.7 N | 428 |
| C/2003 J1 | 2003 08 02.57020 | 20 12 14.56 | -29 44 42.8 | 17.3 N | E14 |
| C/2003 J1 | 2003 08 02.57729 | 20 12 14.11 | -29 44 47.7 | 17.2 N | E14 |
| C/2003 J1 | 2003 08 02.58440 | 20 12 13.68 | -29 44 52.4 | 17.1 N | E14 |
| C/2003 J1 | 2003 08 02.64564 | 20 12 10.09 | -29 45 36.4 | 17.0 T | 360 |
| C/2003 J1 | 2003 08 02.64968 | 20 12 09.84 | -29 45 39.1 |        | 360 |

**C/2003 K4 (LINEAR)**

|           |                  |             |             |        |     |
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| C/2003 K4 | 2003 08 03.60595 | 20 18 54.07 | +32 31 59.7 |        | 349 |
| C/2003 K4 | 2003 08 03.60984 | 20 18 53.79 | +32 31 59.3 |        | 349 |
| C/2003 K4 | 2003 08 03.61600 | 20 18 53.40 | +32 31 58.8 |        | 349 |
| C/2003 K4 | 2003 08 03.61941 | 20 18 53.14 | +32 31 58.2 |        | 349 |
| C/2003 K4 | 2003 08 03.62311 | 20 18 52.86 | +32 31 57.4 | 16.0 T | 349 |
| C/2003 K4 | 2003 08 04.94005 | 20 17 18.58 | +32 28 53.7 | 16.5 T | 561 |
| C/2003 K4 | 2003 08 04.94659 | 20 17 18.09 | +32 28 52.8 | 16.6 T | 561 |
| C/2003 K4 | 2003 08 04.95046 | 20 17 17.84 | +32 28 51.5 | 16.7 T | 561 |
| C/2003 K4 | 2003 08 04.99571 | 20 17 14.60 | +32 28 45.3 | 16.1 T | A32 |
| C/2003 K4 | 2003 08 04.99866 | 20 17 14.37 | +32 28 44.8 | 16.1 T | A32 |
| C/2003 K4 | 2003 08 05.00161 | 20 17 14.17 | +32 28 44.3 | 16.0 T | A32 |
| C/2003 K4 | 2003 08 05.12718 | 20 17 05.23 | +32 28 27.1 | 15.5 T | H72 |
| C/2003 K4 | 2003 08 05.13047 | 20 17 04.97 | +32 28 25.5 | 13.6 T | H72 |
| C/2003 K4 | 2003 08 05.13372 | 20 17 04.82 | +32 28 24.7 | 13.4 T | H72 |
| C/2003 K4 | 2003 08 05.92685 | 20 16 07.88 | +32 26 21.5 |        | 048 |
| C/2003 K4 | 2003 08 05.92763 | 20 16 07.85 | +32 26 20.7 |        | 048 |
| C/2003 K4 | 2003 08 05.93074 | 20 16 07.66 | +32 26 20.2 |        | 048 |
| C/2003 K4 | 2003 08 05.93150 | 20 16 07.60 | +32 26 19.8 |        | 048 |
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| C/2003 K4 | 2003 08 05.95391 | 20 16 05.98 | +32 26 18.4 | 15.7 N | 442 |
| C/2003 K4 | 2003 08 05.98610 | 20 16 03.63 | +32 26 12.3 | 15.7 T | A32 |
| C/2003 K4 | 2003 08 05.99200 | 20 16 03.20 | +32 26 11.0 | 15.7 T | A32 |
| C/2003 K4 | 2003 08 05.99938 | 20 16 02.67 | +32 26 10.0 | 15.4 T | A32 |
| C/2003 K4 | 2003 08 06.02216 | 20 16 00.99 | +32 26 06.6 |        | A46 |
| C/2003 K4 | 2003 08 06.02330 | 20 16 00.91 | +32 26 06.4 |        | A46 |
| C/2003 K4 | 2003 08 06.02442 | 20 16 00.87 | +32 26 06.2 |        | A46 |

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| C/2003 K4 | 2003 08 06.03006 | 20 16 00.41 | +32 26 04.9 |        | A46 |
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| C/2003 K4 | 2003 08 06.92031 | 20 14 56.66 | +32 23 36.7 |        | 048 |
| C/2003 K4 | 2003 08 06.92109 | 20 14 56.58 | +32 23 36.5 |        | 048 |
| C/2003 K4 | 2003 08 06.92185 | 20 14 56.55 | +32 23 36.2 |        | 048 |
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| C/2003 K4 | 2003 08 06.99299 | 20 14 51.44 | +32 23 24.3 | 16.0 T | 939 |
| C/2003 K4 | 2003 08 07.00059 | 20 14 50.92 | +32 23 23.3 | 16.0 T | 939 |
| C/2003 K4 | 2003 08 07.01530 | 20 14 49.79 | +32 23 20.4 |        | A46 |
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| C/2003 K4 | 2003 08 07.02319 | 20 14 49.23 | +32 23 18.6 |        | A46 |
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| C/2003 K4 | 2003 08 07.03167 | 20 14 48.63 | +32 23 17.4 | 16.0 T | A32 |
| C/2003 K4 | 2003 08 07.03462 | 20 14 48.41 | +32 23 17.0 | 16.1 T | A32 |
| C/2003 K4 | 2003 08 07.03757 | 20 14 48.23 | +32 23 16.3 | 16.2 T | A32 |
| C/2003 K4 | 2003 08 07.04052 | 20 14 48.02 | +32 23 16.0 | 16.4 T | A32 |
| C/2003 K4 | 2003 08 07.22841 | 20 14 34.55 | +32 22 44.0 | 15.3 T | H41 |
| C/2003 K4 | 2003 08 07.23088 | 20 14 34.37 | +32 22 42.9 | 15.3 T | H41 |
| C/2003 K4 | 2003 08 07.85525 | 20 13 49.71 | +32 20 50.1 |        | A46 |
| C/2003 K4 | 2003 08 07.85638 | 20 13 49.59 | +32 20 50.0 |        | A46 |
| C/2003 K4 | 2003 08 07.85751 | 20 13 49.53 | +32 20 49.9 |        | A46 |
| C/2003 K4 | 2003 08 07.85977 | 20 13 49.33 | +32 20 49.6 |        | A46 |
| C/2003 K4 | 2003 08 07.86090 | 20 13 49.23 | +32 20 49.3 |        | A46 |
| C/2003 K4 | 2003 08 07.86316 | 20 13 49.08 | +32 20 48.5 |        | A46 |
| C/2003 K4 | 2003 08 09.33491 | 20 12 03.48 | +32 16 04.8 | 15.4 T | H41 |
| C/2003 K4 | 2003 08 09.33837 | 20 12 03.24 | +32 16 03.9 | 15.4 T | H41 |
| C/2003 K4 | 2003 08 09.88237 | 20 11 24.37 | +32 14 12.0 | 16.8 N | 120 |
| C/2003 K4 | 2003 08 09.88753 | 20 11 23.97 | +32 14 11.3 | 16.7 N | 120 |
| C/2003 K4 | 2003 08 09.91816 | 20 11 21.83 | +32 14 03.8 |        | 048 |
| C/2003 K4 | 2003 08 09.92119 | 20 11 21.59 | +32 14 03.2 |        | 048 |
| C/2003 K4 | 2003 08 09.93080 | 20 11 20.83 | +32 14 01.3 |        | 048 |
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| C/2003 K4 | 2003 08 09.99567 | 20 11 16.22 | +32 13 48.1 | 15.9 T | A32 |
| C/2003 K4 | 2003 08 09.99862 | 20 11 16.02 | +32 13 47.4 | 16.0 T | A32 |
| C/2003 K4 | 2003 08 10.00159 | 20 11 15.80 | +32 13 46.7 | 16.0 T | A32 |
| C/2003 K4 | 2003 08 10.54388 | 20 10 36.97 | +32 11 51.9 |        | 349 |
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| C/2003 K4 | 2003 08 10.55012 | 20 10 36.56 | +32 11 50.5 |        | 349 |
| C/2003 K4 | 2003 08 10.55307 | 20 10 36.36 | +32 11 49.5 | 16.0 T | 349 |
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| C/2003 K4 | 2003 08 10.88525 | 20 10 12.71 | +32 10 35.9 |        | A46 |
| C/2003 K4 | 2003 08 10.88638 | 20 10 12.63 | +32 10 35.1 |        | A46 |
| C/2003 K4 | 2003 08 10.88864 | 20 10 12.40 | +32 10 34.7 |        | A46 |
| C/2003 K4 | 2003 08 10.89090 | 20 10 12.29 | +32 10 34.1 |        | A46 |
| C/2003 K4 | 2003 08 10.89203 | 20 10 12.19 | +32 10 34.2 |        | A46 |

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| C/2003 K4 | 2003 08 10.91547 | 20 10 10.47 | +32 10 29.3 | 048        |
| C/2003 K4 | 2003 08 10.91699 | 20 10 10.34 | +32 10 28.9 | 048        |
| C/2003 K4 | 2003 08 10.91775 | 20 10 10.27 | +32 10 28.9 | 048        |
| C/2003 K4 | 2003 08 10.91851 | 20 10 10.26 | +32 10 28.6 | 048        |
| C/2003 K4 | 2003 08 12.81700 | 20 07 54.95 | +32 03 06.3 | 048        |
| C/2003 K4 | 2003 08 12.82016 | 20 07 54.69 | +32 03 05.6 | 048        |
| C/2003 K4 | 2003 08 12.82172 | 20 07 54.56 | +32 03 05.4 | 048        |
| C/2003 K4 | 2003 08 12.82953 | 20 07 53.96 | +32 03 03.7 | 048        |
| C/2003 K4 | 2003 08 12.83028 | 20 07 53.88 | +32 03 03.6 | 048        |
| C/2003 K4 | 2003 08 14.17667 | 20 06 18.31 | +31 57 24.3 | 16.7 T 762 |
| C/2003 K4 | 2003 08 14.18472 | 20 06 17.71 | +31 57 21.8 | 16.7 T 762 |
| C/2003 K4 | 2003 08 14.19088 | 20 06 17.25 | +31 57 20.4 | 16.7 T 762 |
| C/2003 K4 | 2003 08 14.23565 | 20 06 14.10 | +31 57 08.3 | 15.2 T 785 |
| C/2003 K4 | 2003 08 14.24906 | 20 06 13.26 | +31 57 07.4 | 16.0 T 785 |
| C/2003 K4 | 2003 08 14.26956 | 20 06 11.63 | +31 56 59.1 | 15.3 T 785 |
| C/2003 K4 | 2003 08 14.28230 | 20 06 10.80 | +31 56 56.3 | 16.4 T 785 |
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| C/2003 K4 | 2003 08 15.98803 | 20 04 10.24 | +31 49 11.3 | A46        |
| C/2003 K4 | 2003 08 15.98917 | 20 04 10.20 | +31 49 10.6 | A46        |
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| C/2003 K4 | 2003 08 15.99483 | 20 04 09.77 | +31 49 09.6 | A46        |
| C/2003 K4 | 2003 08 16.04308 | 20 04 06.27 | +31 48 55.3 | 17.2 N 785 |
| C/2003 K4 | 2003 08 16.05594 | 20 04 05.51 | +31 48 51.9 | 16.0 N 785 |
| C/2003 K4 | 2003 08 16.07049 | 20 04 04.42 | +31 48 48.8 | 17.1 N 785 |
| C/2003 K4 | 2003 08 16.17939 | 20 03 56.83 | +31 48 18.0 | 16.2 N H41 |
| C/2003 K4 | 2003 08 16.18852 | 20 03 56.17 | +31 48 15.5 | 15.8 T H41 |
| C/2003 K4 | 2003 08 16.20971 | 20 03 54.63 | +31 48 09.4 | 16.9 N 785 |
| C/2003 K4 | 2003 08 16.22484 | 20 03 53.42 | +31 48 04.4 | 17.1 N 785 |
| C/2003 K4 | 2003 08 16.88495 | 20 03 07.24 | +31 44 53.5 | 048        |
| C/2003 K4 | 2003 08 16.88573 | 20 03 07.22 | +31 44 53.3 | 048        |
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| C/2003 K4 | 2003 08 16.88726 | 20 03 07.13 | +31 44 52.8 | 048        |
| C/2003 K4 | 2003 08 17.11547 | 20 02 51.15 | +31 43 45.7 | 16.4 T H41 |
| C/2003 K4 | 2003 08 17.11929 | 20 02 50.96 | +31 43 44.4 | 16.3 T H41 |
| C/2003 K4 | 2003 08 18.08770 | 20 01 43.26 | +31 38 53.8 | 17.2 N 785 |
| C/2003 K4 | 2003 08 18.10102 | 20 01 42.25 | +31 38 46.5 | 16.2 N 785 |
| C/2003 K4 | 2003 08 18.11580 | 20 01 41.13 | +31 38 44.5 | 17.0 N 785 |
| C/2003 K4 | 2003 08 18.19884 | 20 01 35.37 | +31 38 19.3 | 16.1 T 785 |
| C/2003 K4 | 2003 08 18.21366 | 20 01 34.26 | +31 38 14.7 | 16.1 T 785 |
| C/2003 K4 | 2003 08 18.21524 | 20 01 34.20 | +31 38 13.8 | 16.4 T H41 |
| C/2003 K4 | 2003 08 18.22263 | 20 01 33.79 | +31 38 12.1 | 16.4 T H41 |
| C/2003 K4 | 2003 08 18.91416 | 20 00 45.48 | +31 34 34.1 | 15.7 N 442 |
| C/2003 K4 | 2003 08 18.98660 | 20 00 40.62 | +31 34 14.5 | 16.1 T 232 |
| C/2003 K4 | 2003 08 18.99464 | 20 00 39.94 | +31 34 10.4 | 16.1 T 232 |
| C/2003 K4 | 2003 08 19.00302 | 20 00 39.37 | +31 34 08.1 | 16.1 T 232 |
| C/2003 K4 | 2003 08 19.86570 | 19 59 39.81 | +31 29 30.5 | 16.9 T 619 |

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| C/2003 K4 | 2003 08 19.90563 | 19 59 37.16 | +31 29 17.3 | 15.4 N 442 |
| C/2003 K4 | 2003 08 19.91209 | 19 59 36.50 | +31 29 15.0 | 16.2 N 213 |
| C/2003 K4 | 2003 08 19.91368 | 19 59 36.38 | +31 29 14.1 | 16.2 N 213 |
| C/2003 K4 | 2003 08 19.91580 | 19 59 36.25 | +31 29 13.5 | 16.2 N 213 |
| C/2003 K4 | 2003 08 20.03502 | 19 59 28.08 | +31 28 35.9 | 16.3 T 859 |
| C/2003 K4 | 2003 08 20.04187 | 19 59 27.59 | +31 28 32.0 | 16.2 T 859 |
| C/2003 K4 | 2003 08 20.07247 | 19 59 25.34 | +31 28 21.9 | 204        |
| C/2003 K4 | 2003 08 20.07731 | 19 59 24.99 | +31 28 20.6 | 16.6 T 204 |
| C/2003 K4 | 2003 08 20.08379 | 19 59 24.55 | +31 28 18.4 | 16.3 T 204 |
| C/2003 K4 | 2003 08 20.19122 | 19 59 17.14 | +31 27 41.9 | 642        |
| C/2003 K4 | 2003 08 20.19764 | 19 59 16.81 | +31 27 40.6 | 642        |
| C/2003 K4 | 2003 08 20.21037 | 19 59 15.94 | +31 27 36.9 | 642        |
| C/2003 K4 | 2003 08 20.68374 | 19 58 43.33 | +31 25 00.3 | 15.5 T 300 |
| C/2003 K4 | 2003 08 20.68581 | 19 58 43.12 | +31 24 59.7 | 300        |
| C/2003 K4 | 2003 08 20.68999 | 19 58 42.88 | +31 25 00.1 | 300        |
| C/2003 K4 | 2003 08 20.70821 | 19 58 41.56 | +31 24 50.4 | 300        |
| C/2003 K4 | 2003 08 20.88544 | 19 58 29.53 | +31 23 50.1 | 048        |
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| C/2003 K4 | 2003 08 20.89127 | 19 58 29.10 | +31 23 48.6 | 048        |
| C/2003 K4 | 2003 08 20.90007 | 19 58 28.37 | +31 23 45.5 | 048        |
| C/2003 K4 | 2003 08 20.90299 | 19 58 28.20 | +31 23 44.7 | 048        |
| C/2003 K4 | 2003 08 20.93998 | 19 58 25.70 | +31 23 31.9 | A46        |
| C/2003 K4 | 2003 08 20.94111 | 19 58 25.65 | +31 23 31.8 | A46        |
| C/2003 K4 | 2003 08 20.96257 | 19 58 24.08 | +31 23 23.1 | 15.4 N 017 |
| C/2003 K4 | 2003 08 20.96931 | 19 58 23.76 | +31 23 22.9 | 16.0 N 017 |
| C/2003 K4 | 2003 08 20.97642 | 19 58 23.33 | +31 23 20.0 | 15.8 N 017 |
| C/2003 K4 | 2003 08 21.05603 | 19 58 17.81 | +31 22 53.8 | 15.6 N 017 |
| C/2003 K4 | 2003 08 21.20619 | 19 58 07.54 | +31 22 02.2 | 16.6 T 704 |
| C/2003 K4 | 2003 08 21.21842 | 19 58 06.75 | +31 21 57.9 | 17.4 T 704 |
| C/2003 K4 | 2003 08 21.23121 | 19 58 05.84 | +31 21 54.0 | 16.8 T 704 |
| C/2003 K4 | 2003 08 21.24338 | 19 58 04.99 | +31 21 50.3 | 16.8 T 704 |
| C/2003 K4 | 2003 08 21.25536 | 19 58 04.16 | +31 21 46.1 | 16.9 T 704 |
| C/2003 K4 | 2003 08 21.31829 | 19 57 59.68 | +31 21 22.7 | 16.5 T 785 |
| C/2003 K4 | 2003 08 21.33368 | 19 57 58.67 | +31 21 17.4 | 16.1 T 785 |
| C/2003 K4 | 2003 08 21.35174 | 19 57 57.46 | +31 21 11.7 | 16.0 T 785 |
| C/2003 K4 | 2003 08 21.60006 | 19 57 40.51 | +31 19 46.8 | 15.8 T 360 |
| C/2003 K4 | 2003 08 21.60286 | 19 57 40.31 | +31 19 45.9 | 360        |
| C/2003 K4 | 2003 08 22.53414 | 19 56 36.97 | +31 14 17.8 | 16.1 T 349 |
| C/2003 K4 | 2003 08 22.53703 | 19 56 36.74 | +31 14 16.6 | 349        |
| C/2003 K4 | 2003 08 22.88778 | 19 56 13.01 | +31 12 12.9 | 16.7 T 235 |
| C/2003 K4 | 2003 08 22.91256 | 19 56 11.35 | +31 12 01.8 | A46        |
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| C/2003 K4 | 2003 08 22.91481 | 19 56 11.17 | +31 12 01.1 | A46        |
| C/2003 K4 | 2003 08 22.91595 | 19 56 11.08 | +31 12 00.5 | A46        |
| C/2003 K4 | 2003 08 22.91708 | 19 56 10.98 | +31 12 00.1 | A46        |
| C/2003 K4 | 2003 08 22.91936 | 19 56 10.85 | +31 11 58.9 | A46        |
| C/2003 K4 | 2003 08 22.95466 | 19 56 08.49 | +31 11 47.9 | 15.8 N 442 |
| C/2003 K4 | 2003 08 23.04114 | 19 56 02.68 | +31 11 17.2 | 15.8 T 859 |
| C/2003 K4 | 2003 08 23.04850 | 19 56 02.19 | +31 11 14.5 | 16.1 T 859 |
| C/2003 K4 | 2003 08 23.05589 | 19 56 01.67 | +31 11 12.2 | 15.6 T 859 |
| C/2003 K4 | 2003 08 23.52492 | 19 55 30.03 | +31 08 19.9 | 349        |
| C/2003 K4 | 2003 08 23.53281 | 19 55 29.49 | +31 08 16.9 | 349        |

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| C/2003 K4 | 2003 08 23.53621 | 19 55 29.28 | +31 08 15.6 |        | 349 |
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| C/2003 K4 | 2003 08 23.58363 | 19 55 26.00 | +31 07 57.9 | 16.0 T | 349 |
| C/2003 K4 | 2003 08 23.89075 | 19 55 05.50 | +31 06 04.5 | 15.1 T | 233 |
| C/2003 K4 | 2003 08 23.89554 | 19 55 05.11 | +31 06 02.7 | 15.1 T | 233 |
| C/2003 K4 | 2003 08 23.90142 | 19 55 04.75 | +31 06 01.0 | 15.0 T | 233 |
| C/2003 K4 | 2003 08 23.90718 | 19 55 04.31 | +31 05 58.4 | 15.2 T | 233 |
| C/2003 K4 | 2003 08 23.90751 | 19 55 04.25 | +31 05 58.4 |        | A46 |
| C/2003 K4 | 2003 08 23.90865 | 19 55 04.15 | +31 05 57.7 |        | A46 |
| C/2003 K4 | 2003 08 23.91604 | 19 55 03.59 | +31 05 55.0 |        | A46 |
| C/2003 K4 | 2003 08 23.91648 | 19 55 03.66 | +31 05 55.2 | 15.3 T | 233 |
| C/2003 K4 | 2003 08 23.91718 | 19 55 03.55 | +31 05 54.7 |        | A46 |
| C/2003 K4 | 2003 08 23.91944 | 19 55 03.43 | +31 05 54.0 |        | A46 |
| C/2003 K4 | 2003 08 23.92058 | 19 55 03.36 | +31 05 53.0 |        | A46 |
| C/2003 K4 | 2003 08 23.92696 | 19 55 02.99 | +31 05 51.3 | 16.1 N | 213 |
| C/2003 K4 | 2003 08 23.92892 | 19 55 02.85 | +31 05 50.7 | 16.1 N | 213 |
| C/2003 K4 | 2003 08 23.93416 | 19 55 02.45 | +31 05 48.5 | 16.1 N | 213 |
| C/2003 K4 | 2003 08 24.51979 | 19 54 23.36 | +31 02 09.4 |        | 355 |
| C/2003 K4 | 2003 08 24.53060 | 19 54 22.61 | +31 02 04.7 |        | 355 |
| C/2003 K4 | 2003 08 24.53832 | 19 54 22.06 | +31 02 02.7 | 16.0 T | 355 |
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| C/2003 K4 | 2003 08 24.99894 | 19 53 51.28 | +30 59 07.1 | 15.6 N | A32 |
| C/2003 K4 | 2003 08 25.05752 | 19 53 47.40 | +30 58 44.5 | 16.4 N | 785 |
| C/2003 K4 | 2003 08 25.07187 | 19 53 46.41 | +30 58 38.9 | 16.8 N | 785 |
| C/2003 K4 | 2003 08 25.09218 | 19 53 45.14 | +30 58 31.9 | 16.9 N | 785 |
| C/2003 K4 | 2003 08 25.10898 | 19 53 43.93 | +30 58 25.0 | 16.8 N | 785 |
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| C/2003 K4 | 2003 08 25.83973 | 19 52 55.68 | +30 53 41.3 |        | 048 |
| C/2003 K4 | 2003 08 25.84265 | 19 52 55.46 | +30 53 40.3 |        | 048 |
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| C/2003 K4 | 2003 08 25.84848 | 19 52 55.07 | +30 53 37.8 |        | 048 |
| C/2003 K4 | 2003 08 26.83593 | 19 51 50.13 | +30 47 06.2 |        | 048 |
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| C/2003 K4 | 2003 08 26.84174 | 19 51 49.73 | +30 47 03.8 |        | 048 |
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| C/2003 K4 | 2003 08 26.84758 | 19 51 49.35 | +30 47 00.7 |        | 048 |
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| C/2003 K4 | 2003 08 31.00660 | 19 47 23.00 | +30 17 52.6 | 15.8 N | 445 |
| C/2003 K4 | 2003 08 31.01152 | 19 47 22.62 | +30 17 49.9 | 15.8 N | 445 |
| C/2003 K4 | 2003 08 31.01713 | 19 47 22.07 | +30 17 49.0 | 15.9 N | 445 |
| C/2003 K4 | 2003 09 01.04535 | 19 46 18.19 | +30 10 05.5 | 16.6 N | 785 |

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| C/2003 K4 | 2003 09 05.81245 | 19 41 32.31 | +29 32 45.1 |        | 048 |
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| C/2003 K4 | 2003 09 05.81829 | 19 41 32.02 | +29 32 42.4 |        | 048 |
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| C/2003 K4 | 2003 09 05.82633 | 19 41 31.51 | +29 32 38.5 |        | 048 |
| C/2003 K4 | 2003 09 05.85566 | 19 41 29.85 | +29 32 21.9 |        | A46 |
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| C/2003 K4 | 2003 09 05.85794 | 19 41 29.76 | +29 32 21.9 |        | A46 |
| C/2003 K4 | 2003 09 05.85907 | 19 41 29.72 | +29 32 21.6 |        | A46 |
| C/2003 K4 | 2003 09 05.86249 | 19 41 29.49 | +29 32 20.0 |        | A46 |
| C/2003 K4 | 2003 09 05.86361 | 19 41 29.42 | +29 32 20.1 |        | A46 |
| C/2003 K4 | 2003 09 05.98594 | 19 41 22.22 | +29 31 20.6 | 16.2 N | 213 |
| C/2003 K4 | 2003 09 05.98794 | 19 41 22.08 | +29 31 19.3 | 16.2 N | 213 |
| C/2003 K4 | 2003 09 05.98995 | 19 41 22.00 | +29 31 18.1 | 16.2 N | 213 |
| C/2003 K4 | 2003 09 06.04831 | 19 41 18.63 | +29 30 50.0 | 16.8 N | 785 |
| C/2003 K4 | 2003 09 06.06344 | 19 41 17.77 | +29 30 42.0 | 16.6 N | 785 |
| C/2003 K4 | 2003 09 06.07938 | 19 41 16.85 | +29 30 34.7 | 16.7 N | 785 |
| C/2003 K4 | 2003 09 06.11627 | 19 41 14.70 | +29 30 16.9 | 16.8 T | 762 |
| C/2003 K4 | 2003 09 06.12424 | 19 41 14.25 | +29 30 12.7 | 16.7 T | 762 |
| C/2003 K4 | 2003 09 06.14023 | 19 41 13.37 | +29 30 04.8 | 17.0 T | 762 |
| C/2003 K4 | 2003 09 06.14495 | 19 41 13.02 | +29 30 02.7 | 16.8 T | 762 |
| C/2003 K4 | 2003 09 06.81841 | 19 40 34.41 | +29 24 29.5 |        | 048 |
| C/2003 K4 | 2003 09 06.83574 | 19 40 33.35 | +29 24 22.1 |        | 048 |
| C/2003 K4 | 2003 09 06.84014 | 19 40 33.10 | +29 24 19.8 |        | 048 |
| C/2003 K4 | 2003 09 06.84306 | 19 40 32.97 | +29 24 18.3 |        | 048 |
| C/2003 K4 | 2003 09 06.84595 | 19 40 32.78 | +29 24 16.5 |        | 048 |
| C/2003 K4 | 2003 09 07.19509 | 19 40 12.95 | +29 21 22.2 | 17.1 T | 704 |
| C/2003 K4 | 2003 09 07.20863 | 19 40 12.12 | +29 21 16.8 | 17.1 T | 704 |
| C/2003 K4 | 2003 09 07.22236 | 19 40 11.53 | +29 21 08.9 | 17.0 T | 704 |
| C/2003 K4 | 2003 09 07.23580 | 19 40 10.63 | +29 21 01.7 | 17.2 T | 704 |
| C/2003 K4 | 2003 09 07.24947 | 19 40 09.78 | +29 20 55.5 | 17.1 T | 704 |

## C/2003 L2 (LINEAR)

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| C/2003 L2 | 2003 07 24.59444 | 17 56 01.55 | +66 08 42.5 | 17.3 T | 372 |
| C/2003 L2 | 2003 08 01.93549 | 17 33 42.29 | +66 29 29.7 | 16.8 T | A02 |
| C/2003 L2 | 2003 08 01.93773 | 17 33 41.96 | +66 29 30.0 | 16.8 T | A02 |
| C/2003 L2 | 2003 08 01.94225 | 17 33 41.24 | +66 29 30.5 | 16.8 T | A02 |
| C/2003 L2 | 2003 08 03.47340 | 17 29 47.13 | +66 30 21.2 |        | 349 |
| C/2003 L2 | 2003 08 03.47616 | 17 29 46.73 | +66 30 21.5 |        | 349 |
| C/2003 L2 | 2003 08 03.47890 | 17 29 46.52 | +66 30 22.4 |        | 349 |
| C/2003 L2 | 2003 08 03.48565 | 17 29 45.20 | +66 30 22.8 | 17.0 T | 349 |
| C/2003 L2 | 2003 08 04.63438 | 17 26 52.33 | +66 30 29.4 | 16.5 T | 372 |
| C/2003 L2 | 2003 08 05.88965 | 17 23 47.59 | +66 30 03.8 | 16.9 N | 442 |
| C/2003 L2 | 2003 08 06.91956 | 17 21 18.13 | +66 29 20.3 | 16.8 T | 939 |
| C/2003 L2 | 2003 08 06.92713 | 17 21 17.04 | +66 29 20.0 | 16.8 T | 939 |
| C/2003 L2 | 2003 08 06.93476 | 17 21 15.95 | +66 29 19.3 | 16.9 T | 939 |
| C/2003 L2 | 2003 08 06.95565 | 17 21 13.01 | +66 29 17.4 | 16.9 N | 213 |
| C/2003 L2 | 2003 08 06.96053 | 17 21 12.16 | +66 29 17.9 | 16.9 N | 213 |
| C/2003 L2 | 2003 08 06.96311 | 17 21 11.88 | +66 29 16.8 | 16.9 N | 213 |
| C/2003 L2 | 2003 08 07.25603 | 17 20 29.74 | +66 29 00.9 | 17.5 T | H41 |

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|-----------|------------------|-------------|-------------|--------|-----|-----------|------------------|-------------|-------------|--------|-----|
| C/2003 L2 | 2003 08 07.26168 | 17 20 29.12 | +66 29 00.6 | 17.5 T | H41 | C/2003 L2 | 2003 08 22.86009 | 16 49 16.18 | +65 42 32.3 |        | A46 |
| C/2003 L2 | 2003 08 07.91341 | 17 18 56.39 | +66 28 20.5 |        | A46 | C/2003 L2 | 2003 08 22.86304 | 16 49 15.91 | +65 42 32.2 |        | A46 |
| C/2003 L2 | 2003 08 07.91488 | 17 18 56.42 | +66 28 18.6 |        | A46 | C/2003 L2 | 2003 08 22.86451 | 16 49 15.71 | +65 42 31.6 |        | A46 |
| C/2003 L2 | 2003 08 07.91635 | 17 18 56.31 | +66 28 19.7 |        | A46 | C/2003 L2 | 2003 08 22.86600 | 16 49 15.70 | +65 42 30.7 |        | A46 |
| C/2003 L2 | 2003 08 07.91784 | 17 18 55.97 | +66 28 17.5 |        | A46 | C/2003 L2 | 2003 08 22.98683 | 16 49 04.27 | +65 41 57.1 | 17.1 T | 213 |
| C/2003 L2 | 2003 08 07.91931 | 17 18 55.77 | +66 28 18.4 |        | A46 | C/2003 L2 | 2003 08 22.98856 | 16 49 03.93 | +65 41 57.4 | 17.1 T | 213 |
| C/2003 L2 | 2003 08 07.92079 | 17 18 56.02 | +66 28 17.4 |        | A46 | C/2003 L2 | 2003 08 22.99029 | 16 49 03.70 | +65 41 56.2 | 17.1 T | 213 |
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| C/2003 L2 | 2003 08 10.90988 | 17 12 05.85 | +66 23 27.2 |        | A46 | C/2003 L2 | 2003 08 23.88613 | 16 47 40.20 | +65 37 47.6 |        | A46 |
| C/2003 L2 | 2003 08 10.91578 | 17 12 05.14 | +66 23 25.3 |        | A46 | C/2003 L2 | 2003 08 23.88760 | 16 47 40.08 | +65 37 47.6 |        | A46 |
| C/2003 L2 | 2003 08 10.91725 | 17 12 04.90 | +66 23 25.7 |        | A46 | C/2003 L2 | 2003 08 23.88907 | 16 47 39.88 | +65 37 48.7 |        | A46 |
| C/2003 L2 | 2003 08 10.92020 | 17 12 04.63 | +66 23 25.8 |        | A46 | C/2003 L2 | 2003 08 23.89056 | 16 47 39.55 | +65 37 48.2 |        | A46 |
| C/2003 L2 | 2003 08 15.86980 | 17 01 42.88 | +66 10 08.4 |        | A46 | C/2003 L2 | 2003 08 23.89382 | 16 47 39.59 | +65 37 47.2 | 17.1 N | 939 |
| C/2003 L2 | 2003 08 15.87274 | 17 01 42.40 | +66 10 07.1 |        | A46 | C/2003 L2 | 2003 08 23.90522 | 16 47 38.54 | +65 37 44.5 | 17.1 N | 939 |
| C/2003 L2 | 2003 08 15.87568 | 17 01 42.01 | +66 10 06.3 |        | A46 | C/2003 L2 | 2003 08 23.90904 | 16 47 38.15 | +65 37 43.3 | 17.1 N | 939 |
| C/2003 L2 | 2003 08 15.87865 | 17 01 41.80 | +66 10 07.2 |        | A46 | C/2003 L2 | 2003 08 24.83078 | 16 46 15.16 | +65 33 20.3 |        | A46 |
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| C/2003 L2 | 2003 08 16.04936 | 17 01 21.37 | +66 09 35.1 | 17.1 N | 785 | C/2003 L2 | 2003 08 24.83667 | 16 46 14.40 | +65 33 18.7 |        | A46 |
| C/2003 L2 | 2003 08 16.06118 | 17 01 20.41 | +66 09 32.2 | 17.5 N | 785 | C/2003 L2 | 2003 08 24.83815 | 16 46 14.32 | +65 33 16.9 |        | A46 |
| C/2003 L2 | 2003 08 16.07573 | 17 01 18.49 | +66 09 29.1 | 17.5 N | 785 | C/2003 L2 | 2003 08 24.83962 | 16 46 14.16 | +65 33 17.8 |        | A46 |
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| C/2003 L2 | 2003 08 16.83354 | 16 59 50.41 | +66 06 55.5 |        | A46 | C/2003 L2 | 2003 08 24.94169 | 16 46 05.09 | +65 32 47.6 | 16.7 T | A32 |
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| C/2003 L2 | 2003 08 16.83649 | 16 59 50.20 | +66 06 54.3 |        | A46 | C/2003 L2 | 2003 08 25.09948 | 16 45 51.16 | +65 32 03.7 | 17.0 N | 785 |
| C/2003 L2 | 2003 08 16.83796 | 16 59 50.09 | +66 06 54.3 |        | A46 | C/2003 L2 | 2003 08 25.11385 | 16 45 49.72 | +65 31 58.9 | 17.8 N | 785 |
| C/2003 L2 | 2003 08 16.84238 | 16 59 49.64 | +66 06 52.6 |        | A46 | C/2003 L2 | 2003 08 26.10205 | 16 44 24.52 | +65 27 09.8 | 17.6 N | 785 |
| C/2003 L2 | 2003 08 16.84387 | 16 59 49.48 | +66 06 52.4 |        | A46 | C/2003 L2 | 2003 08 26.11404 | 16 44 23.65 | +65 27 05.7 | 17.4 N | 785 |
| C/2003 L2 | 2003 08 17.14667 | 16 59 14.51 | +66 05 49.0 | 17.5 T | H41 | C/2003 L2 | 2003 08 26.83535 | 16 43 23.94 | +65 23 30.4 |        | 118 |
| C/2003 L2 | 2003 08 17.14916 | 16 59 14.32 | +66 05 48.0 | 17.4 T | H41 | C/2003 L2 | 2003 08 26.84039 | 16 43 23.54 | +65 23 27.2 | 18.3 N | 118 |
| C/2003 L2 | 2003 08 17.91515 | 16 57 47.68 | +66 03 02.0 | 17.2 T | 232 | C/2003 L2 | 2003 08 26.85760 | 16 43 22.14 | +65 23 22.5 |        | A46 |
| C/2003 L2 | 2003 08 17.93465 | 16 57 46.00 | +66 02 59.6 | 17.2 T | 232 | C/2003 L2 | 2003 08 26.85907 | 16 43 21.86 | +65 23 22.6 |        | A46 |
| C/2003 L2 | 2003 08 17.94701 | 16 57 44.07 | +66 02 54.9 | 17.2 T | 232 | C/2003 L2 | 2003 08 26.86056 | 16 43 21.62 | +65 23 21.4 |        | A46 |
| C/2003 L2 | 2003 08 18.14301 | 16 57 22.80 | +66 02 08.2 | 17.1 N | 785 | C/2003 L2 | 2003 08 26.86203 | 16 43 21.54 | +65 23 20.8 |        | A46 |
| C/2003 L2 | 2003 08 18.15978 | 16 57 20.61 | +66 02 06.9 | 17.3 N | 785 | C/2003 L2 | 2003 08 26.86350 | 16 43 21.41 | +65 23 20.0 |        | A46 |
| C/2003 L2 | 2003 08 18.25984 | 16 57 09.56 | +66 01 43.0 | 17.4 T | 785 | C/2003 L2 | 2003 08 26.86498 | 16 43 21.26 | +65 23 21.0 |        | A46 |
| C/2003 L2 | 2003 08 18.27384 | 16 57 08.09 | +66 01 40.3 | 17.5 T | 785 | C/2003 L2 | 2003 08 26.97328 | 16 43 12.17 | +65 22 48.2 | 16.6 N | 213 |
| C/2003 L2 | 2003 08 18.94219 | 16 55 54.94 | +65 59 07.6 | 16.6 N | 213 | C/2003 L2 | 2003 08 26.97936 | 16 43 11.42 | +65 22 44.0 | 16.6 N | 213 |
| C/2003 L2 | 2003 08 18.94519 | 16 55 54.80 | +65 59 07.3 | 16.6 N | 213 | C/2003 L2 | 2003 08 26.98190 | 16 43 11.62 | +65 22 43.4 | 16.6 N | 213 |
| C/2003 L2 | 2003 08 19.87509 | 16 54 15.28 | +65 55 25.9 | 17.4 N | 442 | C/2003 L2 | 2003 08 28.24896 | 16 41 31.06 | +65 16 17.3 | 16.8 T | 785 |
| C/2003 L2 | 2003 08 19.87725 | 16 54 15.09 | +65 55 23.6 | 17.3 N | 442 | C/2003 L2 | 2003 08 28.25961 | 16 41 29.76 | +65 16 10.9 | 17.0 T | 785 |
| C/2003 L2 | 2003 08 20.86000 | 16 52 33.26 | +65 51 18.0 |        | A46 | C/2003 L2 | 2003 08 28.27025 | 16 41 29.54 | +65 16 08.7 | 17.0 T | 785 |
| C/2003 L2 | 2003 08 20.86443 | 16 52 33.06 | +65 51 17.3 |        | A46 | C/2003 L2 | 2003 08 28.85993 | 16 40 44.62 | +65 13 08.1 | 17.2 N | 939 |
| C/2003 L2 | 2003 08 20.89101 | 16 52 30.36 | +65 51 10.7 |        | A46 | C/2003 L2 | 2003 08 28.86752 | 16 40 43.96 | +65 13 05.4 | 17.2 N | 939 |
| C/2003 L2 | 2003 08 20.89396 | 16 52 29.99 | +65 51 09.1 |        | A46 | C/2003 L2 | 2003 08 28.87512 | 16 40 43.38 | +65 13 02.2 | 17.2 N | 939 |
| C/2003 L2 | 2003 08 20.89543 | 16 52 29.83 | +65 51 09.5 |        | A46 | C/2003 L2 | 2003 08 28.90437 | 16 39 27.61 | +65 07 39.0 | 16.8 N | 442 |
| C/2003 L2 | 2003 08 20.89838 | 16 52 29.73 | +65 51 08.5 |        | A46 | C/2003 L2 | 2003 08 29.90648 | 16 39 27.30 | +65 07 38.0 | 16.8 N | 442 |
| C/2003 L2 | 2003 08 21.30891 | 16 51 48.21 | +65 49 19.3 | 16.9 T | 785 | C/2003 L2 | 2003 08 29.94958 | 16 39 24.82 | +65 07 25.1 | 17.0 T | 232 |
| C/2003 L2 | 2003 08 21.32535 | 16 51 45.97 | +65 49 15.3 | 16.9 T | 785 | C/2003 L2 | 2003 08 29.95984 | 16 39 23.38 | +65 07 20.2 | 17.1 T | 232 |
| C/2003 L2 | 2003 08 22.85714 | 16 49 16.33 | +65 42 32.9 |        | A46 | C/2003 L2 | 2003 08 29.97011 | 16 39 23.00 | +65 07 17.4 | 17.0 T | 232 |
| C/2003 L2 | 2003 08 22.85861 | 16 49 16.23 | +65 42 32.9 |        | A46 | C/2003 L2 | 2003 09 05.25382 | 16 32 56.90 | +64 33 06.6 | 17.3 T | 785 |

2003 SEPT. 10

M.P.C. 49413

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| C/2003 L2 | 2003 09 05.81829 | 16 32 28.35 | +64 29 56.9 |        | A46 |
| C/2003 L2 | 2003 09 05.82124 | 16 32 28.22 | +64 29 54.7 |        | A46 |
| C/2003 L2 | 2003 09 05.82564 | 16 32 27.90 | +64 29 55.4 |        | A46 |
| C/2003 L2 | 2003 09 05.82858 | 16 32 27.72 | +64 29 54.3 |        | A46 |
| C/2003 L2 | 2003 09 05.83153 | 16 32 27.51 | +64 29 53.2 |        | A46 |
| C/2003 L2 | 2003 09 05.86764 | 16 32 25.83 | +64 29 43.6 | 17.1 N | 442 |
| C/2003 L2 | 2003 09 05.87045 | 16 32 25.65 | +64 29 40.9 | 15.9 N | 442 |
| C/2003 L2 | 2003 09 06.07155 | 16 32 15.80 | +64 28 32.0 | 17.4 N | 785 |

C/2003 O1 (LINEAR)

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| C/2003 O1 | 2002 07 27.35728 | 21 15 04.99 | +24 26 19.3 | 19.6 N | 644 |
| C/2003 O1 | 2002 07 27.37970 | 21 15 03.95 | +24 26 21.5 | 19.3 N | 644 |
| C/2003 O1 | 2003 07 28.91087 | 19 23 32.89 | +38 35 33.2 |        | 204 |
| C/2003 O1 | 2003 07 28.91940 | 19 23 32.36 | +38 35 33.2 |        | 204 |
| C/2003 O1 | 2003 07 28.93575 | 19 23 31.07 | +38 35 33.1 | 17.9 T | 204 |
| C/2003 O1 | 2003 08 02.95341 | 19 17 59.34 | +38 29 04.7 | 18.7 T | 561 |
| C/2003 O1 | 2003 08 02.95810 | 19 17 59.00 | +38 29 05.0 | 18.4 T | 561 |
| C/2003 O1 | 2003 08 02.96215 | 19 17 58.71 | +38 29 04.7 | 18.5 T | 561 |
| C/2003 O1 | 2003 08 04.66111 | 19 16 08.33 | +38 25 59.2 | 17.8 T | 372 |
| C/2003 O1 | 2003 08 05.90832 | 19 14 47.69 | +38 23 25.5 | 17.6 N | 442 |
| C/2003 O1 | 2003 08 05.91111 | 19 14 48.16 | +38 23 24.4 | 17.6 N | 442 |
| C/2003 O1 | 2003 08 05.91704 | 19 14 47.68 | +38 23 23.8 | 17.6 N | 442 |
| C/2003 O1 | 2003 08 12.86211 | 19 07 33.79 | +38 04 59.5 | 18.7 T | 213 |
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| C/2003 O1 | 2003 08 14.92788 | 19 05 29.85 | +37 58 14.1 | 18.6 N | J95 |
| C/2003 O1 | 2003 08 14.95188 | 19 05 28.40 | +37 58 09.3 | 18.1 N | J95 |
| C/2003 O1 | 2003 08 14.95891 | 19 05 28.00 | +37 58 07.3 | 18.5 N | J95 |
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| C/2003 O1 | 2003 08 17.13182 | 19 03 20.46 | +37 50 25.4 | 18.4 T | H41 |
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| C/2003 O1 | 2003 08 18.88434 | 19 01 39.78 | +37 43 45.8 | 17.8 T | 213 |
| C/2003 O1 | 2003 08 18.88918 | 19 01 39.52 | +37 43 44.4 | 17.8 T | 213 |
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| C/2003 O1 | 2003 08 21.99260 | 18 58 46.46 | +37 31 04.6 | 17.6 T | 213 |
| C/2003 O1 | 2003 08 22.21181 | 18 58 34.79 | +37 30 09.7 | 17.3 T | 785 |
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| P/2003 O2 | 2003 08 05.04528 | 02 11 01.27 | +17 35 20.4 | 16.5 N | A32 |
| P/2003 O2 | 2003 08 05.04822 | 02 11 01.77 | +17 35 25.2 | 16.5 N | A32 |
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| P/2003 O2 | 2003 08 11.05991 | 02 25 11.60 | +20 26 15.2 | 16.3 N | A32 | P/2003 O2 | 2003 08 24.08428 | 02 55 54.62 | +26 39 25.2 |        | 246 |
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| P/2003 O2 | 2003 08 11.06590 | 02 25 12.44 | +20 26 25.9 | 16.0 N | A32 | P/2003 O2 | 2003 08 24.32542 | 02 56 28.22 | +26 46 29.0 | 16.5 T | 859 |
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| P/2003 O2 | 2003 08 13.06396 | 02 29 55.79 | +21 23 36.5 | 17.2 N | 620 | P/2003 O2 | 2003 08 24.40435 | 02 56 39.35 | +26 48 33.1 | 18.0 T | 704 |
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| P/2003 O2 | 2003 08 20.05576 | 02 46 26.43 | +24 44 07.2 | 16.7 N | 213 | P/2003 O2 | 2003 08 25.03561 | 02 58 08.37 | +27 06 33.5 |        | A46 |
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| P/2003 O2 | 2003 08 21.22465 | 02 49 11.88 | +25 17 37.4 | 16.9 T | 785 | P/2003 O2 | 2003 08 26.40903 | 03 01 20.64 | +27 45 43.1 | 15.2 T | 850 |
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2003 SEPT. 10

M.P.C. 49415

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| P/2003 O2 | 2003 09 06.05209 | 03 25 42.96 | +32 43 35.0 | 16.4 N | 166 |
| P/2003 O2 | 2003 09 06.05390 | 03 25 43.17 | +32 43 36.3 | 16.6 N | 166 |
| P/2003 O2 | 2003 09 06.05918 | 03 25 44.17 | +32 43 47.8 | 16.8 N | 213 |
| P/2003 O2 | 2003 09 06.05997 | 03 25 44.10 | +32 43 47.8 | 16.4 N | 166 |
| P/2003 O2 | 2003 09 06.06080 | 03 25 44.37 | +32 43 50.5 | 16.8 N | 213 |
| P/2003 O2 | 2003 09 06.06171 | 03 25 44.34 | +32 43 51.2 | 16.6 N | 166 |
| P/2003 O2 | 2003 09 06.06206 | 03 25 44.35 | +32 43 51.2 | 16.8 N | 213 |
| P/2003 O2 | 2003 09 07.10128 | 03 28 03.41 | +33 12 17.6 | 17.5 N | J95 |
| P/2003 O2 | 2003 09 07.10625 | 03 28 04.08 | +33 12 25.7 | 18.0 N | J95 |
| P/2003 O2 | 2003 09 07.11095 | 03 28 04.67 | +33 12 33.6 | 17.9 N | J95 |
| P/2003 O2 | 2003 09 07.35210 | 03 28 37.03 | +33 19 08.5 | 18.2 T | 704 |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| P/2003 O2 | 2003 09 07.36551 | 03 28 38.51 | +33 19 30.5 | 18.0 T | 704 |
| P/2003 O2 | 2003 09 07.37921 | 03 28 40.31 | +33 19 54.0 | 17.9 T | 704 |
| P/2003 O2 | 2003 09 07.39262 | 03 28 41.78 | +33 20 14.8 | 17.9 T | 704 |
| P/2003 O2 | 2003 09 08.29969 | 03 30 43.17 | +33 45 01.8 | 17.8 N | 785 |
| P/2003 O2 | 2003 09 08.31744 | 03 30 45.05 | +33 45 25.7 | 18.0 N | 785 |

## P/2003 O3 (LINEAR)

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| P/2003 O3 | 2003 08 05.37918 | 01 38 02.97 | +07 25 19.8 | 18.6 N | 704 |
| P/2003 O3 | 2003 08 05.39051 | 01 38 04.88 | +07 25 45.0 | 18.7 N | 704 |
| P/2003 O3 | 2003 08 05.40129 | 01 38 06.73 | +07 26 09.0 | 18.9 N | 704 |
| P/2003 O3 | 2003 08 05.41233 | 01 38 08.54 | +07 26 34.0 | 18.7 N | 704 |
| P/2003 O3 | 2003 08 05.42317 | 01 38 10.42 | +07 26 58.5 | 18.6 N | 704 |
| P/2003 O3 | 2003 08 05.63657 | 01 38 47.76 | +07 35 18.7 | 18.6 N | 474 |
| P/2003 O3 | 2003 08 05.63878 | 01 38 48.16 | +07 35 24.1 | 18.9 N | 474 |
| P/2003 O3 | 2003 08 05.64098 | 01 38 48.54 | +07 35 28.8 | 18.6 N | 474 |
| P/2003 O3 | 2003 08 06.05435 | 01 40 00.84 | +07 50 29.4 | 18.8 T | 026 |
| P/2003 O3 | 2003 08 06.05990 | 01 40 01.74 | +07 50 42.1 | 18.9 T | 026 |
| P/2003 O3 | 2003 08 06.06963 | 01 40 03.42 | +07 51 03.9 | 18.9 T | 026 |
| P/2003 O3 | 2003 08 06.08768 | 01 40 06.51 | +07 51 44.8 | 18.9 T | 026 |
| P/2003 O3 | 2003 08 07.11644 | 01 43 04.71 | +08 30 04.8 | 17.9 T | 213 |
| P/2003 O3 | 2003 08 07.12078 | 01 43 05.48 | +08 30 15.5 | 17.9 T | 213 |
| P/2003 O3 | 2003 08 08.38056 | 01 46 41.62 | +09 17 08.2 | 19.4 N | 850 |
| P/2003 O3 | 2003 08 08.41528 | 01 46 47.32 | +09 18 24.8 | 20.0 N | 850 |
| P/2003 O3 | 2003 08 09.34245 | 01 49 25.36 | +09 52 37.9 | 16.9 T | H41 |
| P/2003 O3 | 2003 08 09.34888 | 01 49 26.39 | +09 52 53.4 | 17.0 T | H41 |
| P/2003 O3 | 2003 08 09.35267 | 01 49 27.15 | +09 52 58.8 | 16.9 T | H41 |
| P/2003 O3 | 2003 08 12.10075 | 01 57 04.95 | +11 33 45.0 | 18.4 T | 204 |
| P/2003 O3 | 2003 08 12.10160 | 01 57 05.05 | +11 33 48.1 | 18.7 N | 204 |
| P/2003 O3 | 2003 08 12.10244 | 01 57 05.13 | +11 33 49.5 | 18.3 T | 204 |
| P/2003 O3 | 2003 08 12.10356 | 01 57 05.28 | +11 33 51.9 | 18.2 T | 204 |
| P/2003 O3 | 2003 08 12.10476 | 01 57 05.47 | +11 33 54.3 |        | 204 |
| P/2003 O3 | 2003 08 13.08054 | 01 59 45.10 | +12 09 22.5 | 18.5 N | 620 |
| P/2003 O3 | 2003 08 13.09594 | 01 59 47.53 | +12 09 56.8 | 18.1 N | 620 |
| P/2003 O3 | 2003 08 13.11258 | 01 59 50.11 | +12 10 32.6 | 18.5 N | 620 |
| P/2003 O3 | 2003 08 19.37743 | 02 16 07.59 | +15 52 22.9 | 16.5 T | 785 |
| P/2003 O3 | 2003 08 19.38090 | 02 16 08.34 | +15 52 29.8 | 16.7 T | 785 |
| P/2003 O3 | 2003 08 19.38334 | 02 16 08.88 | +15 52 38.0 | 16.5 T | 785 |
| P/2003 O3 | 2003 08 20.03968 | 02 17 46.84 | +16 15 11.1 | 19.2 N | J95 |
| P/2003 O3 | 2003 08 20.04645 | 02 17 47.83 | +16 15 26.2 | 18.7 N | J95 |
| P/2003 O3 | 2003 08 20.05341 | 02 17 48.84 | +16 15 40.6 | 19.3 N | J95 |
| P/2003 O3 | 2003 08 20.07414 | 02 17 51.90 | +16 16 27.7 | 18.8 T | 213 |
| P/2003 O3 | 2003 08 20.12707 | 02 17 59.13 | +16 18 15.9 | 18.2 T | 599 |
| P/2003 O3 | 2003 08 20.12830 | 02 17 59.34 | +16 18 19.2 | 18.1 T | 599 |
| P/2003 O3 | 2003 08 20.12955 | 02 17 59.52 | +16 18 21.3 | 18.2 T | 599 |
| P/2003 O3 | 2003 08 20.30326 | 02 18 25.07 | +16 24 39.4 | 19.1 T | 859 |
| P/2003 O3 | 2003 08 20.30541 | 02 18 25.26 | +16 24 41.0 | 19.5 T | 859 |
| P/2003 O3 | 2003 08 20.30753 | 02 18 25.76 | +16 24 45.9 | 19.3 T | 859 |
| P/2003 O3 | 2003 08 21.31319 | 02 20 52.88 | +16 58 45.3 | 17.4 T | 785 |
| P/2003 O3 | 2003 08 21.32987 | 02 20 55.42 | +16 59 19.8 | 17.6 T | 785 |
| P/2003 O3 | 2003 08 21.34770 | 02 20 57.86 | +16 59 58.7 | 17.5 T | 785 |
| P/2003 O3 | 2003 08 24.31395 | 02 27 55.92 | +18 39 18.0 | 19.6 T | 859 |
| P/2003 O3 | 2003 08 24.31622 | 02 27 56.31 | +18 39 21.8 | 19.3 T | 859 |
| P/2003 O3 | 2003 08 24.31846 | 02 27 56.46 | +18 39 25.3 | 19.4 T | 859 |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| P/2003 O3 | 2003 08 24.33840 | 02 28 00.19 | +18 39 49.9 | 18.9 T | 704 |
| P/2003 O3 | 2003 08 24.35114 | 02 28 02.02 | +18 40 13.2 | 19.3 T | 704 |
| P/2003 O3 | 2003 08 24.36391 | 02 28 03.51 | +18 40 37.9 | 19.4 T | 704 |
| P/2003 O3 | 2003 08 24.37697 | 02 28 05.21 | +18 41 05.6 | 19.7 T | 704 |
| P/2003 O3 | 2003 08 24.38998 | 02 28 06.74 | +18 41 29.0 | 19.5 T | 704 |
| P/2003 O3 | 2003 08 25.39385 | 02 30 23.19 | +19 14 17.0 | 18.9 T | 704 |
| P/2003 O3 | 2003 08 25.40686 | 02 30 24.86 | +19 14 41.1 | 19.0 T | 704 |
| P/2003 O3 | 2003 08 25.42329 | 02 30 26.89 | +19 15 14.8 | 19.1 T | 704 |
| P/2003 O3 | 2003 08 25.43645 | 02 30 28.61 | +19 15 40.0 | 18.9 T | 704 |
| P/2003 O3 | 2003 08 25.44917 | 02 30 30.16 | +19 16 05.2 | 19.0 T | 704 |
| P/2003 O3 | 2003 08 26.01492 | 02 31 46.14 | +19 34 17.5 |        | 118 |
| P/2003 O3 | 2003 08 26.01885 | 02 31 46.62 | +19 34 24.7 |        | 118 |
| P/2003 O3 | 2003 08 26.02197 | 02 31 47.04 | +19 34 30.8 | 18.4 N | 118 |
| P/2003 O3 | 2003 08 26.33368 | 02 32 28.35 | +19 44 37.0 |        | 850 |
| P/2003 O3 | 2003 08 26.36042 | 02 32 31.71 | +19 45 29.6 | 18.4 T | 850 |
| P/2003 O3 | 2003 08 26.40243 | 02 32 36.80 | +19 46 48.5 |        | 850 |
| P/2003 O3 | 2003 08 27.05949 | 02 34 03.16 | +20 07 45.4 | 18.5 T | 213 |
| P/2003 O3 | 2003 08 27.06179 | 02 34 03.44 | +20 07 50.3 | 18.4 T | 213 |
| P/2003 O3 | 2003 08 28.34107 | 02 36 47.52 | +20 48 18.8 | 19.0 T | 704 |
| P/2003 O3 | 2003 08 28.35326 | 02 36 49.05 | +20 48 41.1 | 19.6 T | 704 |
| P/2003 O3 | 2003 08 28.36607 | 02 36 50.55 | +20 49 04.7 | 19.6 T | 704 |
| P/2003 O3 | 2003 08 28.36991 | 02 36 50.32 | +20 49 09.6 | 18.2 T | 785 |
| P/2003 O3 | 2003 08 28.37913 | 02 36 52.08 | +20 49 31.2 | 19.4 T | 704 |
| P/2003 O3 | 2003 08 28.38623 | 02 36 52.17 | +20 49 40.9 | 18.1 T | 785 |
| P/2003 O3 | 2003 08 28.39641 | 02 36 53.42 | +20 49 59.9 |        | 785 |
| P/2003 O3 | 2003 08 30.10362 | 02 40 24.83 | +21 42 47.2 | 18.5 N | J95 |
| P/2003 O3 | 2003 08 30.10845 | 02 40 25.41 | +21 42 56.6 | 18.8 N | J95 |
| P/2003 O3 | 2003 08 30.11337 | 02 40 25.99 | +21 43 06.0 | 18.7 N | J95 |
| P/2003 O3 | 2003 08 30.11878 | 02 40 26.57 | +21 43 15.1 | 18.8 N | J95 |
| P/2003 O3 | 2003 09 03.66760 | 02 49 05.28 | +23 58 13.8 | 17.9 T | 360 |
| P/2003 O3 | 2003 09 03.67157 | 02 49 05.69 | +23 58 20.9 |        | 360 |
| P/2003 O3 | 2003 09 03.67656 | 02 49 06.18 | +23 58 29.0 |        | 360 |
| P/2003 O3 | 2003 09 03.88850 | 02 49 28.92 | +24 04 25.8 | 18.7 T | 215 |
| P/2003 O3 | 2003 09 05.29120 | 02 51 54.05 | +24 44 16.8 | 17.9 T | 785 |
| P/2003 O3 | 2003 09 05.30613 | 02 51 55.34 | +24 44 40.4 | 18.4 T | 785 |
| P/2003 O3 | 2003 09 05.31167 | 02 51 56.24 | +24 44 49.4 | 18.3 N | H41 |
| P/2003 O3 | 2003 09 05.32405 | 02 51 57.54 | +24 45 09.1 | 18.1 N | H41 |
| P/2003 O3 | 2003 09 07.06519 | 02 54 48.55 | +25 33 07.5 | 18.5 N | J95 |
| P/2003 O3 | 2003 09 07.08935 | 02 54 50.80 | +25 33 47.5 | 18.4 N | J95 |
| P/2003 O3 | 2003 09 07.09390 | 02 54 51.13 | +25 33 55.1 |        | J95 |
| P/2003 O3 | 2003 09 08.30566 | 02 56 44.22 | +26 06 37.2 | 18.0 N | 785 |
| P/2003 O3 | 2003 09 08.32385 | 02 56 45.67 | +26 07 07.8 | 17.9 N | 785 |

P/2003 QX<sub>29</sub> (NEAT)

|                         |                  |             |             |        |     |
|-------------------------|------------------|-------------|-------------|--------|-----|
| P/2003 QX <sub>29</sub> | 2003 08 23.28243 | 22 39 04.71 | +06 41 07.7 | 19.8 N | 644 |
| P/2003 QX <sub>29</sub> | 2003 08 23.34534 | 22 39 02.92 | +06 41 01.9 | 19.7 N | 644 |
| P/2003 QX <sub>29</sub> | 2003 08 23.42015 | 22 39 00.82 | +06 40 54.6 | 19.7 N | 644 |
| P/2003 QX <sub>29</sub> | 2003 08 23.85961 | 22 38 48.84 | +06 40 10.3 |        | 246 |
| P/2003 QX <sub>29</sub> | 2003 08 23.86312 | 22 38 48.74 | +06 40 10.1 |        | 246 |
| P/2003 QX <sub>29</sub> | 2003 08 23.86432 | 22 38 48.66 | +06 40 09.4 |        | 246 |
| P/2003 QX <sub>29</sub> | 2003 08 23.86797 | 22 38 48.59 | +06 40 09.2 |        | 246 |
| P/2003 QX <sub>29</sub> | 2003 08 23.86890 | 22 38 48.54 | +06 40 09.2 |        | 246 |
| P/2003 QX <sub>29</sub> | 2003 08 23.88729 | 22 38 48.18 | +06 40 06.3 |        | 587 |

|                         |                  |             |             |        |       |
|-------------------------|------------------|-------------|-------------|--------|-------|
| P/2003 QX <sub>29</sub> | 2003 08 23.90450 | 22 38 47.63 | +06 40 05.9 | 19.0 N | 151   |
| P/2003 QX <sub>29</sub> | 2003 08 23.90919 | 22 38 47.46 | +06 40 05.3 | 18.8 N | 151   |
| P/2003 QX <sub>29</sub> | 2003 08 23.91059 | 22 38 47.45 | +06 40 05.1 | 18.8 N | 151   |
| P/2003 QX <sub>29</sub> | 2003 08 23.91254 | 22 38 47.41 | +06 40 05.4 | 19.1 N | 151   |
| P/2003 QX <sub>29</sub> | 2003 08 23.91778 | 22 38 47.13 | +06 40 03.3 |        | 587   |
| P/2003 QX <sub>29</sub> | 2003 08 23.92494 | 22 38 46.95 | +06 40 02.5 |        | 587   |
| P/2003 QX <sub>29</sub> | 2003 08 23.96029 | 22 38 45.98 | +06 39 58.8 | 19.5 N | 106   |
| P/2003 QX <sub>29</sub> | 2003 08 23.97479 | 22 38 45.53 | +06 39 57.5 | 19.1 N | 106   |
| P/2003 QX <sub>29</sub> | 2003 08 23.98929 | 22 38 45.19 | +06 39 56.5 | 19.6 N | 106   |
| P/2003 QX <sub>29</sub> | 2003 08 24.20553 | 22 38 39.12 | +06 39 37.3 | 19.6 N | 859   |
| P/2003 QX <sub>29</sub> | 2003 08 24.88073 | 22 38 20.58 | +06 38 24.3 | 19.9 N | J87   |
| P/2003 QX <sub>29</sub> | 2003 08 24.88769 | 22 38 20.21 | +06 38 20.5 | 20.0 N | J87   |
| P/2003 QX <sub>29</sub> | 2003 08 24.89072 | 22 38 20.25 | +06 38 23.0 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 08 24.89179 | 22 38 20.21 | +06 38 23.3 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 08 24.89279 | 22 38 20.09 | +06 38 22.0 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 08 24.89850 | 22 38 20.04 | +06 38 22.2 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 08 24.92900 | 22 38 19.12 | +06 38 18.3 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 24.93288 | 22 38 19.04 | +06 38 19.3 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 24.93677 | 22 38 19.02 | +06 38 18.0 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 24.94066 | 22 38 18.85 | +06 38 18.1 | 19.7 N | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 24.94843 | 22 38 18.61 | +06 38 17.5 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 25.30370 | 22 38 08.84 | +06 37 39.9 | 19.5 N | 673   |
| P/2003 QX <sub>29</sub> | 2003 08 25.30718 | 22 38 08.73 | +06 37 39.7 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 08 25.31065 | 22 38 08.64 | +06 37 39.4 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 08 25.31528 | 22 38 08.50 | +06 37 39.0 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 08 25.99996 | 22 37 49.33 | +06 36 20.5 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 26.00384 | 22 37 49.29 | +06 36 20.0 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 26.00773 | 22 37 49.16 | +06 36 21.1 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 26.01162 | 22 37 49.12 | +06 36 19.0 | 20.0 N | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 26.01550 | 22 37 48.99 | +06 36 19.4 |        | 621   |
| P/2003 QX <sub>29</sub> | 2003 08 31.11542 | 22 35 25.99 | +06 25 49.9 | 18.0 T | 807   |
| P/2003 QX <sub>29</sub> | 2003 08 31.11929 | 22 35 25.88 | +06 25 49.3 | 18.2 T | 807   |
| P/2003 QX <sub>29</sub> | 2003 08 31.12317 | 22 35 25.78 | +06 25 49.0 | 18.1 T | 807   |
| P/2003 QX <sub>29</sub> | 2003 08 31.13480 | 22 35 25.41 | +06 25 48.3 | 20.1 T | 807   |
| P/2003 QX <sub>29</sub> | 2003 08 31.13868 | 22 35 25.33 | +06 25 47.7 | 19.2 T | 807   |
| P/2003 QX <sub>29</sub> | 2003 08 31.14005 | 22 35 25.29 | +06 25 47.0 | 19.4 T | 807   |
| P/2003 QX <sub>29</sub> | 2003 09 01.17650 | 22 34 56.29 | +06 23 20.5 | 19.5 T | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.29618 | 22 34 52.79 | +06 23 04.1 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.30394 | 22 34 52.60 | +06 23 03.2 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.31991 | 22 34 52.22 | +06 23 01.1 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.33796 | 22 34 51.66 | +06 22 58.6 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.35370 | 22 34 51.20 | +06 22 56.5 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.36042 | 22 34 50.97 | +06 22 55.1 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 01.37222 | 22 34 50.64 | +06 22 53.6 |        | 673   |
| P/2003 QX <sub>29</sub> | 2003 09 03.85061 | 22 33 41.44 | +06 16 49.9 | 19.1 T | 215   |
| P/2003 QX <sub>29</sub> | 2003 09 04.63200 | 22 33 19.68 | +06 14 50.9 | 19.6 T | 360   |
| P/2003 QX <sub>29</sub> | 2003 09 04.63926 | 22 33 19.49 | +06 14 49.5 |        | 360   |
| P/2003 QX <sub>29</sub> | 2003 09 04.64343 | 22 33 19.36 | +06 14 49.4 |        | 360   |
| P/2003 QX <sub>29</sub> | 2003 09 05.02442 | 22 33 08.87 | +06 13 48.4 |        | 4 204 |
| P/2003 QX <sub>29</sub> | 2003 09 05.89914 | 22 32 44.70 | +06 11 32.9 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 09 05.89998 | 22 32 44.63 | +06 11 32.5 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 09 05.90140 | 22 32 44.60 | +06 11 32.4 |        | 246   |
| P/2003 QX <sub>29</sub> | 2003 09 05.90344 | 22 32 44.45 | +06 11 31.2 |        | 246   |



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| C/2003 R1 (LINEAR) |                  |             |             |        |     |  | C/2003 R1 | 2003 09 08.13035 | 03 08 37.18 | −02 43 31.0 | 19.3 N | J95   |
|--------------------|------------------|-------------|-------------|--------|-----|--|-----------|------------------|-------------|-------------|--------|-------|
| C/2003 R1          | 2003 09 02.36756 | 03 26 08.86 | −01 31 55.5 | 18.3 N | 704 |  | C/2003 R1 | 2003 09 08.13583 | 03 08 36.02 | −02 43 35.4 | 19.4 N | J95   |
| C/2003 R1          | 2003 09 02.37954 | 03 26 06.79 | −01 32 03.6 | 19.0 N | 704 |  |           |                  |             |             |        |       |
| C/2003 R1          | 2003 09 02.39161 | 03 26 04.77 | −01 32 11.5 | 18.9 N | 704 |  |           |                  |             |             |        |       |
| C/2003 R1          | 2003 09 02.40354 | 03 26 02.75 | −01 32 20.6 | 19.2 N | 704 |  |           |                  |             |             |        |       |
| C/2003 R1          | 2003 09 02.41548 | 03 26 00.79 | −01 32 28.6 | 19.0 N | 704 |  | 1P        | 2003 03 06.06487 | 08 41 14.56 | −00 03 23.6 | 28.0 T | 2 309 |
| C/2003 R1          | 2003 09 03.08640 | 03 24 08.14 | −01 40 18.3 | 18.8 N | 240 |  | 1P        | 2003 03 07.09644 | 08 41 07.09 | −00 02 28.3 | 28.1 T | 309   |
| C/2003 R1          | 2003 09 03.08785 | 03 24 07.87 | −01 40 19.5 | 19.0 N | 240 |  | 1P        | 2003 03 08.08795 | 08 41 00.22 | −00 01 36.7 | 28.2 T | 309   |
| C/2003 R1          | 2003 09 03.09002 | 03 24 07.50 | −01 40 21.1 | 19.3 N | 240 |  |           |                  |             |             |        |       |
| C/2003 R1          | 2003 09 03.09666 | 03 24 06.42 | −01 40 26.5 | 19.4 N | 240 |  |           |                  |             |             |        |       |
| C/2003 R1          | 2003 09 03.42774 | 03 23 09.89 | −01 44 20.2 | 19.3 N | 704 |  | 2P        | 2003 08 07.05844 | 02 11 36.36 | +22 11 19.4 | 18.7 T | 213   |
| C/2003 R1          | 2003 09 03.43998 | 03 23 07.80 | −01 44 28.5 | 19.4 N | 704 |  | 2P        | 2003 08 07.06041 | 02 11 36.41 | +22 11 19.7 | 18.7 T | 213   |
| C/2003 R1          | 2003 09 03.45234 | 03 23 05.67 | −01 44 37.8 | 19.6 N | 704 |  | 2P        | 2003 08 12.11220 | 02 15 26.20 | +23 01 33.4 | 19.3 N | 204   |
| C/2003 R1          | 2003 09 03.46479 | 03 23 03.49 | −01 44 46.7 | 19.6 N | 704 |  | 2P        | 2003 08 12.11582 | 02 15 26.30 | +23 01 35.8 | 18.9 T | 204   |
| C/2003 R1          | 2003 09 03.47697 | 03 23 01.43 | −01 44 55.3 | 19.0 N | 673 |  | 2P        | 2003 08 12.11944 | 02 15 26.51 | +23 01 38.3 |        | 204   |
| C/2003 R1          | 2003 09 03.47905 | 03 23 01.04 | −01 44 56.4 | 19.0 N | 673 |  | 2P        | 2003 08 14.08371 | 02 16 50.70 | +23 21 34.8 | 18.1 N | 620   |
| C/2003 R1          | 2003 09 04.41209 | 03 20 18.16 | −01 56 09.2 | 18.5 N | 704 |  | 2P        | 2003 08 14.10037 | 02 16 51.40 | +23 21 45.4 | 18.3 N | 620   |
| C/2003 R1          | 2003 09 04.41214 | 03 20 18.08 | −01 56 10.4 | 18.7 N | 704 |  | 2P        | 2003 08 20.03767 | 02 20 45.29 | +24 23 44.5 | 19.1 T | 213   |
| C/2003 R1          | 2003 09 04.42508 | 03 20 15.78 | −01 56 19.2 | 19.3 N | 704 |  | 2P        | 2003 08 22.96473 | 02 22 27.75 | +24 55 19.9 | 18.5 T | 235   |
| C/2003 R1          | 2003 09 04.42579 | 03 20 15.63 | −01 56 19.9 | 18.7 N | 704 |  | 2P        | 2003 08 24.28428 | 02 23 10.30 | +25 09 57.5 | 19.2 T | 859   |
| C/2003 R1          | 2003 09 04.43928 | 03 20 13.27 | −01 56 29.7 | 18.7 N | 704 |  | 2P        | 2003 08 24.29264 | 02 23 10.51 | +25 10 03.7 | 19.5 T | 859   |
| C/2003 R1          | 2003 09 04.45283 | 03 20 10.78 | −01 56 39.7 | 18.6 N | 704 |  | 2P        | 2003 08 24.30076 | 02 23 10.78 | +25 10 11.5 | 19.4 T | 859   |
| C/2003 R1          | 2003 09 04.46636 | 03 20 08.38 | −01 56 49.0 | 19.0 N | 704 |  | 2P        | 2003 08 25.08277 | 02 23 35.36 | +25 18 44.9 | 17.5 T | A32   |
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| 43P | 2003 09 07.30641 | 23 19 46.88 | +28 42 28.2 | 18.2 T | 704 |
| 43P | 2003 09 07.31996 | 23 19 45.92 | +28 42 27.2 | 17.6 T | 704 |

**53P/Van Biesbroeck**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 53P | 2003 07 25.02936 | 15 46 44.25 | -11 28 22.9 |        | 834 |
| 53P | 2003 07 29.85787 | 15 49 22.85 | -11 54 48.1 | 15.6 N | 619 |
| 53P | 2003 07 29.85858 | 15 49 22.83 | -11 54 48.8 | 15.6 N | 619 |
| 53P | 2003 08 04.87541 | 15 53 27.59 | -12 29 42.1 | 15.1 N | A32 |
| 53P | 2003 08 04.87878 | 15 53 27.76 | -12 29 42.3 | 14.9 N | A32 |
| 53P | 2003 08 04.88329 | 15 53 27.97 | -12 29 44.9 | 14.9 N | A32 |
| 53P | 2003 08 04.88778 | 15 53 28.13 | -12 29 46.0 | 14.8 N | A32 |
| 53P | 2003 08 12.83224 | 16 00 07.54 | -13 18 21.2 | 16.5 T | 619 |
| 53P | 2003 08 12.83261 | 16 00 07.59 | -13 18 21.9 | 16.5 T | 619 |
| 53P | 2003 08 12.83297 | 16 00 07.54 | -13 18 21.1 | 16.5 T | 619 |
| 53P | 2003 08 12.83334 | 16 00 07.65 | -13 18 21.4 | 16.4 T | 619 |
| 53P | 2003 08 16.80439 | 16 03 58.07 | -13 43 22.9 | 15.3 N | 235 |
| 53P | 2003 08 19.82777 | 16 07 06.45 | -14 02 35.9 | 14.8 T | 232 |
| 53P | 2003 08 19.83285 | 16 07 06.76 | -14 02 37.6 | 14.8 T | 232 |
| 53P | 2003 08 19.83548 | 16 07 06.92 | -14 02 38.5 | 15.7 N | 204 |
| 53P | 2003 08 19.83682 | 16 07 06.93 | -14 02 38.7 | 16.0 T | 619 |
| 53P | 2003 08 19.83788 | 16 07 07.03 | -14 02 39.6 |        | 204 |
| 53P | 2003 08 19.83796 | 16 07 07.04 | -14 02 39.3 | 14.8 T | 232 |
| 53P | 2003 08 19.83907 | 16 07 07.09 | -14 02 39.8 | 15.8 T | 619 |
| 53P | 2003 08 19.84118 | 16 07 07.20 | -14 02 40.4 | 15.9 T | 619 |
| 53P | 2003 08 19.84482 | 16 07 07.50 | -14 02 42.0 |        | 204 |
| 53P | 2003 08 22.49161 | 16 10 01.46 | -14 19 35.8 | 14.3 T | 360 |
| 53P | 2003 08 22.49385 | 16 10 01.61 | -14 19 36.6 |        | 360 |
| 53P | 2003 08 22.82571 | 16 10 24.11 | -14 21 44.4 | 15.0 N | 213 |
| 53P | 2003 08 22.82670 | 16 10 24.16 | -14 21 44.5 | 15.0 N | 213 |
| 53P | 2003 08 22.82771 | 16 10 24.17 | -14 21 45.1 | 15.0 N | 213 |
| 53P | 2003 08 22.84106 | 16 10 25.19 | -14 21 49.6 | 15.0 N | 235 |
| 53P | 2003 08 23.85550 | 16 11 34.44 | -14 28 19.9 | 15.0 N | 939 |
| 53P | 2003 08 23.85796 | 16 11 34.59 | -14 28 20.6 | 15.0 N | 939 |
| 53P | 2003 08 23.86039 | 16 11 34.74 | -14 28 21.4 | 15.0 N | 939 |
| 53P | 2003 08 24.13553 | 16 11 53.70 | -14 30 06.4 | 16.4 T | 704 |
| 53P | 2003 08 24.14883 | 16 11 54.70 | -14 30 12.0 | 17.1 T | 704 |
| 53P | 2003 08 24.16262 | 16 11 55.82 | -14 30 17.1 | 16.8 T | 704 |
| 53P | 2003 08 24.18833 | 16 11 57.52 | -14 30 24.6 | 16.5 T | 704 |
| 53P | 2003 08 24.87573 | 16 12 45.41 | -14 34 51.4 | 15.5 N | 939 |
| 53P | 2003 08 24.88050 | 16 12 45.64 | -14 34 52.5 | 15.4 N | 939 |
| 53P | 2003 08 24.88529 | 16 12 45.86 | -14 34 53.4 | 15.5 N | 939 |
| 53P | 2003 08 26.79222 | 16 15 01.80 | -14 47 06.2 | 15.2 N | 235 |

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 53P | 2003 08 26.84092 | 16 15 05.15 | -14 47 26.1 | 15.5 T | 619 |
| 53P | 2003 08 26.84165 | 16 15 05.20 | -14 47 25.4 | 15.9 T | 619 |
| 53P | 2003 08 26.84244 | 16 15 05.28 | -14 47 25.8 | 15.7 T | 619 |
| 53P | 2003 08 29.85062 | 16 18 47.85 | -15 06 36.6 | 15.1 N | 213 |
| 53P | 2003 08 29.85368 | 16 18 48.05 | -15 06 37.8 | 15.1 N | 213 |
| 53P | 2003 08 29.85507 | 16 18 48.18 | -15 06 38.5 | 15.1 N | 213 |
| 53P | 2003 08 29.85691 | 16 18 48.40 | -15 06 38.6 | 15.0 N | 939 |
| 53P | 2003 08 29.86174 | 16 18 48.76 | -15 06 40.4 | 15.0 N | 939 |
| 53P | 2003 08 29.86650 | 16 18 49.10 | -15 06 42.3 | 15.0 N | 939 |
| 53P | 2003 08 30.81243 | 16 20 01.10 | -15 12 43.5 | 14.8 T | 232 |
| 53P | 2003 08 30.81755 | 16 20 01.54 | -15 12 45.3 | 14.8 T | 232 |
| 53P | 2003 08 30.82267 | 16 20 01.92 | -15 12 46.8 | 14.8 T | 232 |
| 53P | 2003 08 30.85190 | 16 20 04.23 | -15 12 58.4 | 14.9 N | 939 |
| 53P | 2003 08 30.85677 | 16 20 04.57 | -15 13 00.1 | 14.9 N | 939 |
| 53P | 2003 08 30.85810 | 16 20 04.63 | -15 12 59.5 | 14.9 N | 445 |
| 53P | 2003 08 30.86163 | 16 20 04.90 | -15 13 01.5 | 14.8 N | 939 |
| 53P | 2003 08 30.86350 | 16 20 05.02 | -15 13 00.8 | 14.9 N | 445 |

**65P/Gunn**

|     |                  |             |             |  |     |
|-----|------------------|-------------|-------------|--|-----|
| 65P | 2003 07 07.18302 | 18 38 54.76 | -32 39 54.4 |  | 834 |
| 65P | 2003 07 07.20132 | 18 38 53.85 | -32 39 59.5 |  | 834 |
| 65P | 2003 07 09.11747 | 18 37 22.74 | -32 48 20.7 |  | 834 |
| 65P | 2003 07 09.12681 | 18 37 22.25 | -32 48 23.2 |  | 834 |
| 65P | 2003 07 09.14743 | 18 37 21.21 | -32 48 27.8 |  | 834 |
| 65P | 2003 07 11.16670 | 18 35 47.12 | -32 56 42.2 |  | 834 |
| 65P | 2003 07 11.18712 | 18 35 46.14 | -32 56 46.5 |  | 834 |
| 65P | 2003 07 25.12877 | 18 26 38.44 | -33 37 33.3 |  | 834 |
| 65P | 2003 07 26.12409 | 18 26 08.46 | -33 39 26.3 |  | 834 |
| 65P | 2003 07 26.18434 | 18 26 06.64 | -33 39 32.4 |  | 834 |

**66P/du Toit**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 66P | 2003 09 03.35786 | 14 53 02.29 | -38 43 51.8 | 15.8 N | E14 |
| 66P | 2003 09 08.39436 | 15 16 29.11 | -40 17 21.7 | 16.4 N | E14 |
| 66P | 2003 09 08.39800 | 15 16 30.15 | -40 17 25.1 | 16.7 N | E14 |
| 66P | 2003 09 08.40128 | 15 16 31.11 | -40 17 28.7 | 16.1 N | E14 |

**77P/Longmore**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 77P | 2003 07 19.16264 | 20 46 39.06 | -54 21 26.5 | 15.3 N | 859 |
| 77P | 2003 07 19.17101 | 20 46 38.43 | -54 21 28.1 | 15.1 N | 859 |
| 77P | 2003 07 19.18024 | 20 46 37.72 | -54 21 27.8 | 15.4 N | 859 |
| 77P | 2003 07 29.12752 | 20 33 39.61 | -54 23 10.8 | 15.0 N | 859 |
| 77P | 2003 07 29.13847 | 20 33 38.60 | -54 23 10.6 | 14.7 N | 859 |
| 77P | 2003 07 29.15051 | 20 33 37.31 | -54 23 08.6 | 15.7 N | 859 |

**116P/Wild**

|      |                  |             |             |        |     |
|------|------------------|-------------|-------------|--------|-----|
| 116P | 2003 07 19.93802 | 15 12 06.01 | -21 46 07.3 | 16.0 N | 859 |
| 116P | 2003 07 19.93925 | 15 12 06.23 | -21 46 08.7 | 15.5 N | 859 |
| 116P | 2003 07 19.94979 | 15 12 06.34 | -21 46 07.1 | 16.1 N | 859 |
| 116P | 2003 07 25.00285 | 15 15 42.92 | -21 56 58.0 |        | 834 |
| 116P | 2003 07 28.90421 | 15 18 51.46 | -22 06 25.6 | 15.7 N | 859 |
| 116P | 2003 07 28.91462 | 15 18 51.95 | -22 06 27.2 | 15.8 N | 859 |
| 116P | 2003 07 28.92576 | 15 18 52.55 | -22 06 28.8 | 15.9 N | 859 |
| 116P | 2003 07 29.84540 | 15 19 39.01 | -22 08 49.6 | 17.0 N | 619 |
| 116P | 2003 07 29.85158 | 15 19 39.21 | -22 08 50.8 | 17.3 N | 619 |
| 116P | 2003 07 30.84512 | 15 20 31.22 | -22 11 24.1 | 15.4 N | 235 |

|      |                  |             |             |        |     |
|------|------------------|-------------|-------------|--------|-----|
| 116P | 2003 08 12.82787 | 15 33 20.31 | -22 48 40.2 | 19.1 T | 619 |
| 116P | 2003 08 12.82835 | 15 33 20.15 | -22 48 39.7 | 19.5 T | 619 |
| 116P | 2003 08 12.82884 | 15 33 20.10 | -22 48 38.9 | 17.6 T | 619 |
| 116P | 2003 08 19.82627 | 15 41 18.29 | -23 10 40.5 | 16.0 T | 619 |
| 116P | 2003 08 19.82732 | 15 41 18.37 | -23 10 37.0 | 16.5 T | 619 |
| 116P | 2003 08 19.82839 | 15 41 18.48 | -23 10 40.1 | 16.0 T | 619 |
| 116P | 2003 08 22.47810 | 15 44 29.74 | -23 19 12.1 | 14.3 T | 360 |
| 116P | 2003 08 22.48035 | 15 44 29.88 | -23 19 12.6 |        | 360 |

**119P/Parker-Hartley**

|      |                  |             |             |        |       |
|------|------------------|-------------|-------------|--------|-------|
| 119P | 2003 08 20.01554 | 21 16 03.99 | -08 57 10.0 | 19.9 T | 2 204 |
| 119P | 2003 08 20.02095 | 21 16 04.05 | -08 57 10.2 | 18.0 N | 442   |
| 119P | 2003 08 20.02642 | 21 16 03.73 | -08 57 10.7 | 19.9 T | 2 204 |
| 119P | 2003 08 23.89346 | 21 13 45.57 | -09 08 20.8 | 20 T   | 461   |
| 119P | 2003 08 23.89635 | 21 13 45.43 | -09 08 22.0 |        | 461   |
| 119P | 2003 08 23.89926 | 21 13 45.30 | -09 08 23.0 |        | 461   |
| 119P | 2003 08 23.90215 | 21 13 45.12 | -09 08 23.6 |        | 461   |
| 119P | 2003 08 24.88124 | 21 13 10.85 | -09 11 14.5 | 20 T   | 2 461 |
| 119P | 2003 08 24.88413 | 21 13 10.67 | -09 11 15.0 |        | 2 461 |
| 119P | 2003 08 24.88995 | 21 13 10.48 | -09 11 14.7 |        | 2 461 |
| 119P | 2003 08 26.98880 | 21 11 57.81 | -09 17 23.0 | 20.5 N | 204   |
| 119P | 2003 08 27.01020 | 21 11 57.11 | -09 17 26.4 |        | 4 204 |
| 119P | 2003 08 31.23088 | 21 09 36.71 | -09 29 46.4 | 20.3 T | 291   |
| 119P | 2003 08 31.23487 | 21 09 36.58 | -09 29 46.9 | 20.3 T | 291   |
| 119P | 2003 08 31.23895 | 21 09 36.43 | -09 29 48.1 | 20.2 T | 291   |

**125P/Spacewatch**

|      |                  |             |             |        |     |
|------|------------------|-------------|-------------|--------|-----|
| 125P | 2002 08 17.49843 | 22 45 41.93 | -07 53 34.5 | 20.2 T | 644 |
| 125P | 2002 08 17.50875 | 22 45 41.39 | -07 53 40.5 |        | 644 |
| 125P | 2002 09 01.27899 | 22 32 45.48 | -10 23 03.3 | 19.2 T | 644 |
| 125P | 2002 09 01.34341 | 22 32 42.04 | -10 23 40.6 | 19.3 T | 644 |
| 125P | 2002 09 16.18498 | 22 21 28.60 | -12 28 49.9 |        | 644 |
| 125P | 2002 09 16.24779 | 22 21 26.05 | -12 29 17.7 | 19.1 T | 644 |

**152P/Helin-Lawrence**

|      |                  |             |             |        |     |
|------|------------------|-------------|-------------|--------|-----|
| 152P | 2003 07 19.12896 | 20 00 22.38 | -26 38 56.0 | 16.9 N | 859 |
| 152P | 2003 07 19.13815 | 20 00 22.15 | -26 38 58.8 | 16.9 N | 859 |
| 152P | 2003 07 19.14943 | 20 00 21.65 | -26 39 01.8 | 16.8 N | 859 |
| 152P | 2003 07 29.11105 | 19 53 38.19 | -27 18 37.8 | 17.2 N | 859 |
| 152P | 2003 07 29.12016 | 19 53 37.95 | -27 18 40.5 | 17.6 N | 859 |
| 152P | 2003 07 29.12135 | 19 53 37.71 | -27 18 40.1 | 16.9 N | 859 |

Note 1: predisccovery observation. 2: faint image. 3: involved with star. 4: weak solution.

**OBSERVATIONS OF NATURAL SATELLITES**

Observations are published here for the following observatory codes:

|     |                                                                                                                        |
|-----|------------------------------------------------------------------------------------------------------------------------|
| 291 | LPL/Spacewatch II. Observer J. V. Scotti. 1.8-m $f/2.7$ reflector + CCD.                                               |
| 304 | Las Campanas Observatory. Observers M. Holman, D. Trilling, W. Fraser. Measurer M. Holman. 6.5-m Clay reflector + CCD. |
| 309 | Paranal. Observers J.-M. Petit, O. Mousis. Measurer J.-M. Petit. 8-m VLT UT1 + CCD.                                    |
| 568 | Mauna Kea. Observers S. S. Sheppard, D. C. Jewitt, J. Kleyna. Measurer S. S. Sheppard. 8.2-m Subaru reflector + CCD.   |

|     |                                                                                                                                                                                                                                                                                           |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 644 | Palomar Mountain/NEAT. Observers S. Pravdo, E. F. Helin, K. J. Lawrence, M. Hicks, R. Thicksten. 1.2-m Schmidt + CCD.                                                                                                                                                                     |
| 673 | Table Mountain Observatory. Observer W. M. Owen, Jr. 0.61-m $f/16$ reflector + CCD.                                                                                                                                                                                                       |
| 704 | Lincoln Laboratory ETS, New Mexico. Observers M. Blythe, F. Shelly, M. Bezpalko, R. Huber, L. Manguso, S. Adams, D. Torres, T. Brothers, S. Partridge, R. Kracke, M. McCleary, H. Stange. Measurers J. Stuart, R. Sayer, J. Evans, P. Hopman, J. Kommers. 1.0-m $f/2.15$ reflector + CCD. |
| 807 | Cerro Tololo. Observers M. Holman, J. Kavelaars, T. Grav, W. Fraser. Measurer M. Holman. 4-m Blanco reflector + CCD.                                                                                                                                                                      |

| Object     | Date             | UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag.   | Obs. |
|------------|------------------|----|-----------------|-----------------|--------|------|
| S/2003 J 7 | 2003 06 01.98673 |    | 08 58 07.60     | +17 52 10.5     |        | 309  |
| S/2003 J 7 | 2003 06 01.99389 |    | 08 58 07.87     | +17 52 08.9     |        | 309  |
| S/2003 J 7 | 2003 06 02.00383 |    | 08 58 08.24     | +17 52 07.1     |        | 309  |
| S/2002 N 1 | 2003 06 03.29193 |    | 21 01 55.31     | -17 06 54.5     |        | 304  |
| S/2002 N 1 | 2003 06 03.34103 |    | 21 01 55.18     | -17 06 55.0     | 24.1 R | 304  |
| S/2002 N 1 | 2003 06 03.39013 |    | 21 01 55.02     | -17 06 55.8     |        | 304  |
| S/2002 N 1 | 2003 06 03.39767 |    | 21 01 55.00     | -17 06 56.1     |        | 304  |
| S/2002 N 1 | 2003 07 29.11269 |    | 20 57 12.73     | -17 27 04.4     | 24.0 R | 304  |
| S/2002 N 1 | 2003 07 29.11672 |    | 20 57 12.70     | -17 27 04.7     |        | 304  |
| S/2002 N 1 | 2003 07 29.13189 |    | 20 57 12.59     | -17 27 05.1     |        | 304  |
| S/2002 N 1 | 2003 07 29.15097 |    | 20 57 12.48     | -17 27 05.5     |        | 304  |
| S/2002 N 1 | 2003 08 21.05937 |    | 20 54 40.42     | -17 37 30.8     |        | 807  |
| S/2002 N 1 | 2003 08 21.06692 |    | 20 54 40.40     | -17 37 30.9     |        | 807  |
| S/2002 N 1 | 2003 08 21.07365 |    | 20 54 40.35     | -17 37 31.1     | 24.0 R | 807  |
| S/2002 N 1 | 2003 08 21.08105 |    | 20 54 40.30     | -17 37 31.4     |        | 807  |
| S/2002 N 1 | 2003 08 21.08779 |    | 20 54 40.27     | -17 37 31.5     |        | 807  |
| S/2002 N 1 | 2003 08 21.10149 |    | 20 54 40.19     | -17 37 31.8     |        | 807  |
| S/2002 N 1 | 2003 08 29.25633 |    | 20 53 49.72     | -17 40 55.6     | 24.2 R | 568  |
| S/2002 N 1 | 2003 08 29.28303 |    | 20 53 49.55     | -17 40 56.1     |        | 568  |
| S/2002 N 1 | 2003 08 29.30897 |    | 20 53 49.40     | -17 40 56.8     |        | 568  |
| S/2002 N 1 | 2003 08 30.31005 |    | 20 53 43.44     | -17 41 20.9     | 24.7 R | 568  |
| S/2002 N 1 | 2003 08 30.33675 |    | 20 53 43.31     | -17 41 21.5     | 25.0 R | 568  |
| S/2003 N 1 | 2001 08 11.04727 |    | 20 39 43.76     | -18 39 59.9     | 25.1 R | 807  |
| S/2003 N 1 | 2001 08 11.15269 |    | 20 39 43.07     | -18 40 02.5     | 24.9 R | 807  |
| S/2003 N 1 | 2001 08 11.29134 |    | 20 39 42.17     | -18 40 05.9     | 25.2 R | 807  |
| S/2003 N 1 | 2002 08 14.00655 |    | 20 48 16.56     | -18 05 53.8     |        | 807  |
| S/2003 N 1 | 2002 08 14.13779 |    | 20 48 15.67     | -18 05 56.4     | 25.1 R | 807  |
| S/2003 N 1 | 2002 08 15.98957 |    | 20 48 03.84     | -18 06 43.1     |        | 807  |
| S/2003 N 1 | 2002 08 16.13454 |    | 20 48 02.92     | -18 06 46.4     |        | 807  |
| S/2003 N 1 | 2003 07 04.15812 |    | 21 01 15.33     | -17 11 14.0     |        | 807  |
| S/2003 N 1 | 2003 07 04.26236 |    | 21 01 14.80     | -17 11 17.4     |        | 807  |
| S/2003 N 1 | 2003 07 04.34181 |    | 21 01 14.36     | -17 11 18.5     |        | 807  |
| S/2003 N 1 | 2003 07 06.27426 |    | 21 01 03.82     | -17 12 03.2     |        | 807  |
| S/2003 N 1 | 2003 07 06.38405 |    | 21 01 03.22     | -17 12 05.8     |        | 807  |
| S/2003 N 1 | 2003 08 18.98238 |    | 20 56 29.02     | -17 30 56.0     |        | 807  |
| S/2003 N 1 | 2003 08 19.01812 |    | 20 56 28.83     | -17 30 56.4     |        | 807  |
| S/2003 N 1 | 2003 08 19.05980 |    | 20 56 28.56     | -17 30 57.5     |        | 807  |
| S/2003 N 1 | 2003 08 19.10626 |    | 20 56 28.26     | -17 30 59.1     | 25.0 R | 807  |
| S/2003 N 1 | 2003 08 29.27008 |    | 20 55 26.32     | -17 35 08.1     | 26 R   | 568  |
| S/2003 N 1 | 2003 08 29.29608 |    | 20 55 26.17     | -17 35 08.7     |        | 568  |
| S/2003 N 1 | 2003 08 29.32189 |    | 20 55 26.05     | -17 35 09.2     |        | 568  |

|              |                   |              |              |        |     |
|--------------|-------------------|--------------|--------------|--------|-----|
| S/2003 N 1   | 2003 08 30.32303  | 20 55 20.17  | -17 35 32.6  |        | 568 |
| S/2003 N 1   | 2003 08 30.34964  | 20 55 20.06  | -17 35 33.2  | 26 R   | 568 |
| Jupiter VI   | 2003 03 12.13482  | 08 44 46.57  | +18 32 23.9  | 14.3   | 644 |
| Jupiter VI   | 2003 03 12.15560  | 08 44 46.08  | +18 32 25.8  | 14.2   | 644 |
| Jupiter VI   | 2003 03 12.17685  | 08 44 45.57  | +18 32 27.8  | 14.2   | 644 |
| Jupiter VI   | 2003 04 29.14252  | 08 43 35.28  | +18 56 45.7  | 17.5   | 704 |
| Jupiter VI   | 2003 04 29.15452  | 08 43 35.52  | +18 56 45.3  | 17.7   | 704 |
| Jupiter VI   | 2003 04 29.16653  | 08 43 35.75  | +18 56 44.3  | 17.8   | 704 |
| Jupiter VI   | 2003 04 29.17861  | 08 43 36.01  | +18 56 43.9  | 17.5   | 704 |
| Jupiter VI   | 2003 04 29.19077  | 08 43 36.25  | +18 56 43.3  | 17.5   | 704 |
| Jupiter VII  | 2003 03 09.11267  | 08 42 26.93  | +18 37 49.0  | 17.7 V | 291 |
| Jupiter VII  | 2003 03 09.13129  | 08 42 26.58  | +18 37 50.6  | 17.7 V | 291 |
| Jupiter VII  | 2003 03 09.14699  | 08 42 26.26  | +18 37 52.0  | 17.7 V | 291 |
| Jupiter VII  | 2003 03 12.13246  | 08 41 35.87  | +18 42 03.9  | 16.9   | 644 |
| Jupiter VII  | 2003 03 12.15312  | 08 41 35.53  | +18 42 05.6  | 16.9   | 644 |
| Jupiter VII  | 2003 03 12.17454  | 08 41 35.19  | +18 42 07.4  | 16.9   | 644 |
| Jupiter VIII | 2003 03 09.11036  | 08 39 07.23  | +18 34 01.0  | 17.6 V | 291 |
| Jupiter VIII | 2003 03 09.12899  | 08 39 06.88  | +18 34 02.8  | 17.6 V | 291 |
| Jupiter VIII | 2003 03 09.14469  | 08 39 06.57  | +18 34 04.2  | 17.6 V | 291 |
| Jupiter VIII | 2003 03 12.13125  | 08 38 18.24  | +18 38 29.9  | 16.7   | 644 |
| Jupiter VIII | 2003 03 12.15196  | 08 38 17.91  | +18 38 31.7  | 16.6   | 644 |
| Jupiter VIII | 2003 03 12.17332  | 08 38 17.57  | +18 38 33.5  | 16.6   | 644 |
| Jupiter X    | 2003 03 07.13211  | 08 51 36.04  | +18 19 24.7  | 18.9 V | 291 |
| Jupiter X    | 2003 03 07.15650  | 08 51 35.53  | +18 19 25.9  | 18.9 V | 291 |
| Jupiter X    | 2003 03 07.18101  | 08 51 35.03  | +18 19 27.1  | 18.9 V | 291 |
| Jupiter X    | 2003 03 12.13721  | 08 50 00.27  | +18 23 02.2  | 18.3   | 644 |
| Jupiter X    | 2003 03 12.15791  | 08 49 59.90  | +18 23 03.1  | 18.4   | 644 |
| Jupiter X    | 2003 03 12.17915  | 08 49 59.50  | +18 23 03.7  | 18.4   | 644 |
| Jupiter XI   | 2003 03 07.16488  | 08 44 18.21  | +19 15 53.7  | 19.0   | 704 |
| Jupiter XI   | 2003 03 07.17801  | 08 44 18.00  | +19 15 54.6  | 19.6   | 704 |
| Jupiter XI   | 2003 03 07.19120  | 08 44 17.68  | +19 15 56.2  | 19.4   | 704 |
| Jupiter XI   | 2003 03 07.20449  | 08 44 17.43  | +19 15 57.0  | 19.1   | 704 |
| Jupiter XI   | 2003 03 07.21771  | 08 44 17.13  | +19 15 57.2  | 19.1   | 704 |
| Jupiter XI   | 2003 03 12.13246  | 08 42 57.83  | +19 19 52.9  | 17.4   | 644 |
| Jupiter XI   | 2003 03 12.15312  | 08 42 57.52  | +19 19 53.7  | 17.5   | 644 |
| Jupiter XI   | 2003 03 12.17454  | 08 42 57.20  | +19 19 54.5  | 17.4   | 644 |
| Jupiter XII  | 2003 03 07.12497  | 08 41 17.94  | +18 09 13.9  | 19.8 V | 291 |
| Jupiter XII  | 2003 03 07.14937  | 08 41 17.39  | +18 09 16.4  | 19.7 V | 291 |
| Jupiter XII  | 2003 03 07.17387  | 08 41 16.84  | +18 09 19.2  | 19.7 V | 291 |
| Jupiter XII  | 2003 03 12.13368  | 08 39 37.61  | +18 17 17.4  | 19.0   | 644 |
| Jupiter XII  | 2003 03 12.15434  | 08 39 37.21  | +18 17 19.5  | 18.8   | 644 |
| Jupiter XII  | 2003 03 12.17571  | 08 39 36.80  | +18 17 21.4  | 19.0   | 644 |
| Saturn IX    | 2003 08 24.490111 | 06 41 17.483 | +22 20 01.01 |        | 673 |
| Saturn IX    | 2003 08 24.494645 | 06 41 17.596 | +22 20 00.90 |        | 673 |
| Uranus XVI   | 2003 08 29.33970  | 22 12 06.35  | -11 52 52.8  |        | 568 |
| Uranus XVII  | 2003 08 29.33970  | 22 12 41.48  | -12 02 16.7  |        | 568 |
| Uranus XVIII | 2003 08 29.33970  | 22 12 25.46  | -12 04 27.4  | 23.2 R | 568 |
| Uranus XIX   | 2003 08 29.33970  | 22 11 34.76  | -11 52 18.7  |        | 568 |
| Uranus XX    | 2003 08 29.33970  | 22 11 34.60  | -12 07 54.7  | 24.3 R | 568 |
| Uranus XXI   | 2003 08 29.33970  | 22 11 12.46  | -12 05 57.8  |        | 568 |
| Uranus XXI   | 2003 08 29.37285  | 22 11 12.14  | -12 05 59.4  |        | 568 |
| Neptune II   | 2003 08 29.25633  | 20 54 35.92  | -17 24 35.9  |        | 568 |

## RADAR OBSERVATIONS

Doppler/delay observations are published here for the following transmission/reception (Tx/Rc) sites: 251 Arecibo. Observers S. J. Ostro, M. C. Nolan. 253 Goldstone DSS 14, Fort Irwin. Observer S. J. Ostro.

| Object  | Date              | UTC | Doppler/Hz          | Delay/ $\mu$ s | MHz        | B    | Tx/Rc     |
|---------|-------------------|-----|---------------------|----------------|------------|------|-----------|
| (25143) | 2001 03 18 060700 |     |                     | 59949663.97    | $\pm$ 0.50 | 2380 | C 251/251 |
| (25143) | 2001 03 18 065800 |     |                     |                |            | 2380 | C 251/251 |
| (25143) | 2001 03 26 073500 |     |                     | 40505963.41    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 03 26 083600 | +   | 35971.48 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 03 27 074500 |     |                     | 39342652.33    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 03 27 085800 | +   | 25717.34 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 03 28 080100 |     |                     | 38557860.88    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 03 28 092000 | +   | 14841.96 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 03 29 082900 |     |                     | 38174750.69    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 03 29 094100 | +   | 3636.50 $\pm$ 0.06  |                |            | 2380 | C 251/251 |
| (25143) | 2001 03 30 084400 |     |                     | 38208807.39    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 03 30 090000 |     |                     | 38228635.68    | $\pm$ 0.25 | 8560 | C 253/253 |
| (25143) | 2001 03 30 095600 | -   | 7406.39 $\pm$ 0.06  |                |            | 2380 | C 251/251 |
| (25143) | 2001 03 30 125000 | -   | 28726.76 $\pm$ 0.50 |                |            | 8560 | C 253/253 |
| (25143) | 2001 03 31 092000 |     |                     | 38658759.07    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 03 31 102700 | -   | 18741.98 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 04 01 093400 |     |                     | 39496457.26    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 04 01 105200 | -   | 29298.16 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 04 02 093700 |     |                     | 40689129.31    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 04 02 105400 | -   | 38271.80 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 04 04 101100 |     |                     | 44060192.64    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 04 04 111900 | -   | 54244.53 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 04 07 104600 |     |                     | 50979486.92    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 04 07 114800 | -   | 71393.26 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| (25143) | 2001 04 09 111400 |     |                     | 56496794.09    | $\pm$ 0.10 | 2380 | C 251/251 |
| (25143) | 2001 04 09 120000 | -   | 79160.53 $\pm$ 0.06 |                |            | 2380 | C 251/251 |
| 2003 GY | 2003 08 17 145600 | +   | 28029.93 $\pm$ 0.10 | 43761312.23    | $\pm$ 1.00 | 2380 | C 251/251 |
| 2003 GY | 2003 08 17 142100 | +   | 29244.39 $\pm$ 0.50 |                |            | 2380 | C 251/251 |

## OBSERVATIONS OF PLUTO

Observations are published here for the following observatory codes:

- 673 Table Mountain Observatory. Observer W. M. Owen, Jr. 0.61-m  $f/16$  reflector + CCD.  
 J87 La Cañada. Observers J. Lacruz, J. A. Lacruz, J. M. Lacruz. 0.30-m  $f/3.3$  Schmidt-Cassegrain + CCD.

|       | Date              | UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag.   | N Obs. |
|-------|-------------------|----|-----------------|-----------------|--------|--------|
| Pluto | 2003 07 25.87353  |    | 17 09 10.84     | -13 31 29.7     | 13.8 R | J87    |
| Pluto | 2003 07 26.90734  |    | 17 09 06.65     | -13 31 43.9     | 13.6 R | J87    |
| Pluto | 2003 08 01.92845  |    | 17 08 43.99     | -13 33 16.2     | 13.7 R | J87    |
| Pluto | 2003 08 24.165421 |    | 17 07 56.324    | -13 40 31.75    |        | 673    |
| Pluto | 2003 08 24.168619 |    | 17 07 56.323    | -13 40 31.86    |        | 673    |

## OBSERVATIONS OF MINOR PLANETS

The summary lists, for each observatory code, the designation of each object observed (an asterisk signifying a new discovery), with three numbers indicating the number of observations, the number of different nights on which the object was observed and the arc (in days) covered by the observations; at the end of each observatory listing there is a count of the total number of observations, of the number of objects and of the number of discoveries followed by an asterisk, together with the total range of dates covered by the observations.



**010 Caussols**

E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [ericelst@ksb-orb.oma.be] (1)

M. Scardia, Osservatorio Astronomico di Brera, Succursale di S. Rocco, via E. Bianchi 46, I-22055 Merate, Italy [scardia@merate.mi.astro.it] (3)

Observers C. Pollas, D. Albanese, M. Scardia

Measurers E. W. Elst, M. Scardia

0.9-m Schmidt telescope

{1} 2000 OH<sub>44</sub>, 3, 1, 0; 2001 QH<sub>139</sub>, 3, 1, 0; 2002 ON<sub>18</sub>, 3, 1, 0; 2002 VS<sub>110</sub>, 3, 1, 0; 2002 VC<sub>116</sub>, 3, 1, 0; 2003 BQ<sub>61</sub>, 3, 1, 0; 2003 GH<sub>8</sub>, 3, 1, 0; (39932), 3, 1, 0; (42345), 3, 1, 0; (57770), 3, 1, 0; (61485), 2, 1, 0; (63810), 3, 1, 0; (65119), 3, 1, 0; (65252), 3, 1, 0; [41, 14, 0\*, 1992/10/23–1995/10/20]

{3} 2001 RZ<sub>47</sub>, 3, 1, 0; [3, 1, 0\*, 1994/01/17]

**012 Uccle**

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be] (1)

T. Pauwels, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Thierry.Pauwels@oma.be] (2)

Observers E. W. Elst, H. Boffin, H. Debehogne, T. Pauwels

Measurers E. W. Elst, T. Pauwels

0.85-m  $f/2.5$  Schmidt + CCD

GSC-1.2, Tycho-2

{1} 2001 RM<sub>31</sub>, 3, 1, 0; (4546), 2, 1, 0; [5, 2, 0\*, 1999/10/16–2000/03/05]

{2} 1997 EA<sub>2</sub>, 4, 1, 0; 1999 TN<sub>255</sub>, 3, 1, 0; 2000 AL<sub>7</sub>, 3, 1, 0; 2002 AB<sub>191</sub>, 3, 1, 0; 2002 CJ<sub>55</sub>, 2, 1, 0; 2003 GB<sub>29</sub>, 5, 1, 0; [20, 6, 0\*, 1997/01/13–2001/03/31]

**017 Hoher List**

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be]

Observers E. W. Elst, B. Brinkmann

1-m reflector + CCD, 0.15-m  $f/10.0$  refractor + CCD

USNO-A2.0

1998 FT<sub>103</sub>, 2, 1, 0; 1999 TS<sub>114</sub>, 2, 1, 0; 1999 TR<sub>187</sub>, 2, 1, 0; 2001 XB<sub>254</sub>, 2, 1, 0; 2003 KQ<sub>7</sub>, 2, 1, 0; (868), 1, 1, 0; (2570), 3, 1, 0; (4267), 3, 1, 0; (5337), 2, 1, 0; (8345), 8, 2, 1; (10300), 1, 1, 0; (13586), 2, 1, 0; (35199), 2, 1, 0; (35445), 2, 1, 0; (39071), 2, 1, 0; (44217), 1, 1, 0; [37, 16, 0\*, 2003/06/21–2003/08/21]

**026 Berne-Zimmerwald**

P. Wild, Astronomisches Institut der Universität, Sidlerstrasse 5, CH-3012 Berne, Switzerland [schildknecht@aiub.unibe.ch]

Observers M. Ploner, R. Musci

1.0-m  $f/4$  reflector + CCD

USNO-B1.0, GSC

2001 BF<sub>64</sub>, 2, 1, 0; 2002 DD<sub>4</sub>, 2, 1, 0; 2003 OR<sub>13</sub>, 2, 1, 0; 2003 OS<sub>13</sub>, 3, 1, 0; 2003 OU<sub>13</sub>, 3, 1, 0; 2003 OH<sub>20</sub>, 2, 1, 0; 2003 OJ<sub>20</sub>, 2, 1, 0; 2003 PJ<sub>4</sub>, 4, 2, 1; 2003 PY<sub>10</sub>, 3, 1, 0; 2003 PC<sub>11</sub>, 3, 1, 0; (2037), 6, 2, 4; (2138), 6, 3, 4; (2731), 5, 2, 1; (3366), 5, 2, 1; (3552), 7, 3, 4; (10000), 1, 1, 0; (11245), 3, 1, 0; (17206), 3, 1, 0; [62, 18, 0\*, 2002/01/09–2003/08/11]

**033 Tautenburg**

F. Böngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg, Germany [boerngen.jena@freenet.de]

1.3-m Schmidt telescope

PPM

1999 TZ<sub>40</sub>, 2, 1, 0; 2000 GO<sub>160</sub>, 2, 1, 0; 2000 WX<sub>43</sub>, 2, 1, 0; 2001 SD<sub>349</sub>, 2, 1, 0; 2001 UT<sub>9</sub>, 2, 1, 0; 2002 XY<sub>87</sub>, 2, 1, 0; 2003 BX<sub>17</sub>, 2, 1, 0; (1170), 2, 1, 0; [16, 8, 0\*, 1992/04/02–1995/10/25]

**046 Kletř**

J. Tichá, Hvězdárna Kletř, Zátkovo nábreží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]

Observers J. Tichá, M. Tichý, M. Kočer, Ž. Sovová

0.57-m  $f/5.2$  reflector + CCD

USNO-A2.0

1988 AX<sub>1</sub>, 6, 1, 0; 1995 WS<sub>3</sub>, 3, 1, 0; 1997 AE<sub>12</sub>, 8, 1, 0; 1998 SY<sub>76</sub>, 6, 1, 0; 1999 VQ<sub>25</sub>, 7, 1, 0; 1999 WT<sub>2</sub>, 4, 1, 0; 2000 AQ<sub>1</sub>, 13, 2, 1; 2000 WQ<sub>40</sub>, 6, 1, 0; 2001 DC<sub>70</sub>, 4, 1, 0; 2001 FC<sub>7</sub>, 8, 1, 0; 2001 HW<sub>30</sub>, 4, 1, 0; 2001 SL<sub>9</sub>, 7, 1, 0; 2002 OA<sub>22</sub>, 4, 1, 0; 2003 HL, 3, 1, 0; 2003 KP<sub>2</sub>, 10, 2, 40; 2003 LS<sub>3</sub>, 9, 2, 3; 2003 LN<sub>6</sub>, 4, 1, 0; 2003 MA, 4, 1, 0; 2003 MO, 22, 3, 4; 2003 MT, 6, 1, 0; 2003 ME<sub>1</sub>, 9, 2, 3; 2003 MF<sub>1</sub>, 6, 1, 0; 2003 MS<sub>2</sub>, 14, 2, 2; 2003 MX<sub>2</sub>, 1, 1, 0; 2003 MQ<sub>3</sub>, 2, 1, 0; 2003 MH<sub>4</sub>, 10, 2, 22; 2003 MK<sub>4</sub>, 8, 2, 20; 2003 MZ<sub>6</sub>, 4, 1, 0; 2003 MA<sub>7</sub>, 5, 1, 0; 2003 MC<sub>7</sub>, 4, 1, 0; 2003 MS<sub>9</sub>, 4, 1, 0; 2003 NB, 5, 1, 0; 2003 ND, 4, 1, 0; 2003 OS, 3, 1, 0; 2003 QA, 7, 2, 1; 2003 QC, 7, 2, 6; 2003 QW<sub>27</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 8, 1, 0; 2003 QL<sub>96</sub>, 8, 1, 0; 2003 RB, 8, 2, 2; 2003 RS<sub>1</sub>, 8, 1, 0; 2003 RB<sub>5</sub>, 8, 1, 0; (2073), 4, 1, 0; (7562), 2, 1, 0; (62675), 5, 1, 0; [285, 45, 0\*, 1992/08/25–2003/09/05]

**049 Uppsala-Kvistaberg**

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G. Hahn, DLR - Institute Space Sensor Technology and of Planetary Exploration, Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]

Observers O. Karlsson, C.-I. Lagerkvist, T. Oja, A. Liljeström

Measurers G. Hahn, O. Karlsson, C.-I. Lagerkvist, S. Mottola, J. Warell

1.0-m Schmidt + CCD

USNO-SA2.0

1994 PU<sub>30</sub>, 3, 1, 0; 1994 WC<sub>13</sub>, 3, 1, 0; 1997 CK<sub>12</sub>, 3, 1, 0; 1997 GC<sub>2</sub>, 3, 1, 0; 1997 WK<sub>42</sub>, 3, 1, 0; 1998 FD<sub>43</sub>, 3, 1, 0; 1998 HV<sub>17</sub>, 3, 1, 0; 1998 HZ<sub>38</sub>, 3, 1, 0; 1998 HE<sub>127</sub>, 3, 1, 0; 1998 KZ<sub>6</sub>, 3, 1, 0; 1998 RX<sub>15</sub>, 4, 1, 0; 1998 SQ<sub>139</sub>, 3, 1, 0; 1998 UL, 3, 1, 0; 1998 UD<sub>17</sub>, 3, 1, 0; 1998 UE<sub>34</sub>, 3, 1, 0; 1998 WR<sub>4</sub>, 6, 2, 1; 1999 JU<sub>7</sub>, 3, 1, 0; 1999 JV<sub>40</sub>, 3, 1, 0; 1999 RO<sub>110</sub>, 3, 1, 0; 1999 RG<sub>122</sub>, 3, 1, 0; 1999 RG<sub>175</sub>, 4, 1, 0; 1999 RY<sub>199</sub>, 3, 1, 0; 1999 TH<sub>11</sub>, 6, 2, 3; 1999 TC<sub>181</sub>, 3, 1, 0; 1999 TQ<sub>273</sub>, 3, 1, 0; 1999 UT<sub>16</sub>, 3, 1, 0; 1999 VE<sub>2</sub>, 3, 1, 0; 1999 VG<sub>19</sub>, 3, 1, 0; 1999 VL<sub>19</sub>, 3, 1, 0; 1999 VM<sub>59</sub>, 3, 1, 0; 1999 VV<sub>166</sub>, 4, 1, 0; 1999 XJ<sub>11</sub>, 3, 1, 0; 2000 AB<sub>50</sub>, 3, 1, 0; 2000 DB<sub>7</sub>, 4, 1, 0; 2000 QG<sub>198</sub>, 3, 1, 0; 2000 WA<sub>25</sub>, 3, 1, 0; 2001 AM<sub>33</sub>, 3, 1, 0; 2001 DK<sub>95</sub>, 3, 1, 0; 2001 EP<sub>21</sub>, 3, 1, 0; 2001 FR<sub>27</sub>, 3, 1, 0; 2001 FC<sub>40</sub>, 3, 1, 0; 2001 FG<sub>81</sub>, 3, 1, 0; 2001 FK<sub>103</sub>, 3, 1, 0; 2001 HM<sub>58</sub>, 6, 2, 3; 2001 SR<sub>83</sub>, 3, 1, 0; 2001 SB<sub>198</sub>, 3, 1, 0; 2001 UB<sub>10</sub>, 3, 1, 0; 2001 VG<sub>71</sub>, 3, 1, 0; 2001 XJ<sub>47</sub>, 6, 2, 1; 2001 XN<sub>60</sub>, 3, 1, 0; 2002 CZ<sub>49</sub>, 3, 1, 0; 2002 FO<sub>2</sub>, 4, 1, 0; 2002 GB<sub>42</sub>, 3, 1, 0; 2002 GQ<sub>44</sub>, 2, 1, 0; 2002 GB<sub>72</sub>, 3, 1, 0; 2002 JK<sub>21</sub>, 3, 1, 0; 2002 JG<sub>116</sub>, 3, 1, 0; 2002 LE<sub>25</sub>, 3, 1, 0; 2002 TH<sub>117</sub>, 3, 1, 0; 2002 TG<sub>194</sub>, 3, 1, 0; 2002 TE<sub>218</sub>, 3, 1, 0; 2002 TC<sub>277</sub>, 3, 1, 0; 2002 XS<sub>44</sub>, 3, 1, 0; 2002 XP<sub>50</sub>, 3, 1, 0; 2002 XO<sub>69</sub>, 3, 1, 0; 2003 AW<sub>82</sub>, 3, 1, 0; 2003 OB<sub>14</sub>, 3, 1, 0; 2003 OC<sub>14</sub>, 3, 1, 0; 2003 OZ<sub>15</sub>, 4, 1, 0; 2003 OD<sub>16</sub>, 4, 1, 0; 2003 OX<sub>16</sub>, 9, 3, 10; 2003 PK<sub>6</sub>, 3, 1, 0; 2003 PO<sub>11</sub> \*, 9, 3, 4; 2003 PP<sub>11</sub> \*, 10, 3, 4; 2003 QR<sub>5</sub> \*, 7, 2, 3; 2003 QG<sub>11</sub>, 3, 1, 0; 2003 QL<sub>22</sub>, 3, 1, 0; 2003 QE<sub>48</sub>, 3, 1, 0; 2003 QK<sub>71</sub> \*, 9, 3, 8; 2003 QL<sub>71</sub> \*, 12, 4, 12; 2003 QK<sub>96</sub>, 3, 1, 0; 2003 RN \*, 6, 2, 1; 2003 RM<sub>7</sub> \*, 6, 2, 2; 2003 RH<sub>9</sub> \*, 6, 2, 2; 2003 RM<sub>9</sub>, 3, 1, 0; 2003 RN<sub>9</sub>, 3, 1, 0; 2003 RO<sub>9</sub>, 3, 1, 0; 2003 RP<sub>9</sub>, 3, 1, 0; 2003 RQ<sub>9</sub>, 3, 1, 0; 2003 RR<sub>9</sub>, 3, 1, 0; 2127 T-3, 4, 1, 0; (837), 3, 1, 0; (1079), 4, 1, 0; (1606), 3, 1, 0; (1645), 3, 1, 0; (1924), 3, 1, 0; (2289), 3, 1, 0; (3313), 3, 1, 0; (3316), 4, 1, 0; (4391), 4, 1, 0; (5539), 3, 1, 0; (8549), 3, 1, 0; (8823), 7, 2, 18; (9665), 3, 1, 0; (10730), 3, 1, 0; (10991), 3, 1, 0; (12481), 4, 1, 0; (12712), 4, 1, 0; (12761), 3, 1, 0; (13373), 3, 1, 0; (14220), 3, 1, 0; (18756), 3, 1, 0; (19391), 4, 1, 0; (19607), 3, 1, 0; (20529), 3, 1, 0; (20599), 6, 2, 1; (21241), 3, 1, 0; (21364), 3, 1, 0; (21402), 4, 1, 0; (21531), 3, 1, 0; (21998), 4, 1, 0; (22190), 3, 1, 0; (22426), 3, 1, 0; (24208), 3, 1, 0; (24227), 3, 1, 0; (24409), 3, 1, 0; (24633), 3, 1, 0; (25112), 3, 1, 0; (25214), 3, 1, 0; (25233), 4, 1, 0; (29991), 3, 1, 0; (30487), 3, 1, 0; (36028), 7, 2, 1; (38951), 3, 1, 0; (39176), 3, 1, 0; (41555), 3, 1, 0; (42027), 3, 1, 0; (43156), 3, 1, 0; (43359), 4, 1, 0; (44463), 3, 1, 0; (45593), 4, 1, 0; (46397), 4, 1, 0; (46552), 4, 1, 0; (58677), 3, 1, 0; (63316), 3, 1, 0; [525, 145, 8\*, 1999/11/14–2003/09/06]

**056 Skalnaté Pleso**

L. Neslusan, Astronomical Institute, Slovak Academy of Sciences, SK-05960 Tatranská Lomnicá, Slovakia [ne@ta3.sk]

Observers P. Rychtarčík, M. Husarik, M. Kamenicky, G. Červák, M. Jakubik

0.3-m  $f/5$  astrograph

USNO-A2.0

2002 AB<sub>5</sub>, 2, 1, 0; 2002 AJ<sub>29</sub>, 2, 1, 0; 2002 CX<sub>11</sub>, 2, 1, 0; 2002 GH<sub>1</sub>, 2, 1, 0; 2002 HU<sub>11</sub>, 4, 2, 5; 2002 KH<sub>3</sub>, 6, 3, 14; (587), 4, 2, 20; (1362), 8, 4, 112; (1620), 13, 7, 15; (1627), 4, 2, 1; (1943), 10, 5, 64; (4563), 2, 1, 0; (5534), 2, 1, 0; (6797), 2, 1, 0; (16965), 4, 2, 95; (17209), 7, 4, 33; (35107), 7, 4, 9; (36236), 2, 1, 0; (65407), 12, 6, 87; [95, 19, 0\*, 2002/01/03–2002/12/26]

### 071 Rhozen

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V. Radeva, Astronomical Observatory and Planetarium, P.O. Box 120, Varna, Bulgaria [radevi@mail.varna.techo-link.com] (2)

E. W. Elst, Koninklijke Sterrenwacht van België, Ringlaan 3, B-1180 Brussels, Belgium [Eric.Elst@oma.be] (3)

Observers V. Umlenski, B. Bilkina, A. Marinov, V. Ivanova, V. Radeva, E. W. Elst  
Measurers B. Bilkina, A. Marinov, V. Ivanova, V. Radeva, E. W. Elst

0.5-m  $f/3.44$  Schmidt telescope + CCD  
GSC-1.1

{1} 2001 LF, 7, 2, 3; 2001 PM<sub>9</sub>, 5, 2, 27; 2001 SL<sub>9</sub>, 4, 1, 0; 2002 OA<sub>22</sub>, 4, 1, 0; 2002 YB<sub>12</sub>, 5, 1, 0; 2003 FT<sub>3</sub>, 14, 4, 55; 2003 HN, 6, 1, 0; 2003 HM<sub>16</sub>, 10, 1, 0; 2003 KP<sub>2</sub>, 10, 3, 30; 2003 LS<sub>3</sub>, 7, 2, 30; 2003 LP<sub>6</sub>, 4, 1, 0; [76, 11, 0\*, 2003/05/31–2003/07/27]

{2} (2524), 1, 1, 0; [1, 1, 0\*, 1997/07/07]

{3} 2000 YO<sub>16</sub>, 5, 1, 0; (34827), 2, 1, 0; [7, 2, 0\*, 1988/01/18–1988/01/19]

### 083 Golosseevo-Kiev

V. V. Golovnya, Main Astronomical Observatory, National Academy of Sciences of Ukraine, Golossiv, Kiev 252650, Ukraine

Measurers V. V. Golovnya, S. Major

0.4-m  $f/5$  double astrophotograph  
PPM

(1), 91, 23, 3704; (2), 106, 30, 5687; (3), 156, 36, 5594; (4), 36, 14, 1561; (6), 163, 41, 5502; (7), 134, 35, 7148; (11), 54, 17, 3902; (18), 86, 20, 4192; (25), 47, 17, 7094; (39), 144, 33, 6135; (40), 107, 27, 4122; (148), 113, 32, 3338; (389), 55, 19, 5841; (480), 33, 11, 1943; (532), 64, 17, 3774; (568), 24, 10, 1873; (582), 23, 9, 2024; (704), 55, 12, 3063; [1491, 18, 0\*, 1976/02/16–1996/01/18]

### 084 Pulkovo

A. V. Devyatkin, Pulkovo Observatory, Russian Academy of Sciences, Pulkovskoe shosse 65, St. Petersburg 196140, Russia [adev@gao.spb.su]

Observers A. V. Devyatkin, D. L. Gorshanov, V. V. Kouprianov, M. Yu. Sidorov  
Measurers A. V. Devyatkin, G. D. Baturina, A. V. Lemeseva, N. V. Mikhailova

0.32-m  $f/3.2$  reflector + CCD  
USNO-A2.0

1999 OP<sub>3</sub>, 4, 4, 18; 2000 EE<sub>104</sub>, 1, 1, 0; 2001 CL<sub>42</sub>, 14, 14, 32; 2002 AL<sub>14</sub>, 5, 5, 11; 2002 RH<sub>52</sub>, 6, 6, 6; 2002 XA, 4, 4, 4; 2002 XM<sub>90</sub>, 13, 13, 47; 2003 AJ<sub>73</sub>, 11, 11, 22; 2003 BB<sub>43</sub>, 3, 3, 4; 2003 CJ<sub>11</sub>, 3, 3, 22; 2003 CP<sub>20</sub>, 7, 7, 38; 2003 EO<sub>16</sub>, 1, 1, 0; 2003 FH<sub>1</sub>, 5, 5, 7; 2003 FS<sub>2</sub>, 6, 6, 23; 2003 FT<sub>3</sub>, 8, 8, 31; (433), 18, 15, 33; (1866), 18, 18, 62; (1951), 13, 13, 56; (3199), 8, 8, 27; (3554), 1, 1, 0; (3691), 4, 4, 5; (3752), 10, 10, 31; (5066), 11, 11, 33; (5332), 11, 11, 44; (7467), 16, 16, 46; (7822), 1, 1, 0; (8013), 17, 17, 54; (25330), 9, 9, 32; (35107), 7, 7, 12; (40267), 6, 6, 12; (52340), 6, 6, 15; (54071), 15, 15, 44; (54690), 11, 11, 44; (54789), 19, 19, 61; [292, 34, 0\*, 2003/03/21–2003/05/27]

### 094 Simeis

Yu. N. Krugly, Astronomical Observatory, Kharkiv State University, Sumska Street 35, Kharkiv 310022, Ukraine [krugly@astron.kharkov.ua]

Observers S. Barabanov, S. Kruchkov, S. Nikolenko

Measurers S. Barabanov, E. Bakanas, S. Bakanas

1.0-m  $f/5.5$  reflector + CCD  
USNO-A2.0

2003 LO<sub>6</sub>, 5, 1, 0; 2003 NG<sub>10</sub>, 3, 1, 0; (54509), 3, 1, 0; [11, 3, 0\*, 2003/07/28–2003/08/18]

### 095 Crimean Astrophysical Observatory

N. S. Chernykh, Crimean Astrophysical Observatory, Nauchnyj, Crimea 98409, Ukraine, [nik@crao.crimea.ua]

Observer V. V. Rumyantsev

0.64-m  $f/1.4$  Richter-Slefogt telescope + CCD

GSC

(7713), 1, 1, 0; (7991), 1, 1, 0; [2, 2, 0\*, 1991/11/05–1992/11/03]

### 097 Wise Observatory, Mitzpeh Ramon

E. Ofek, Wise Observatory, Tel-Aviv University, IL-69978 Tel-Aviv, Israel

[Eran@wise.tau.ac.il]

Observer D. Polishook

1.0-m  $f/7$  reflector + CCD

A2.0

1987 RU, 6, 2, 1; 1995 CQ<sub>3</sub>, 4, 2, 1; 1995 UP<sub>77</sub>, 1, 1, 0; 1998 RM<sub>19</sub>, 3, 1, 0; 1998 RF<sub>20</sub>, 5, 2, 1; 1998 SL<sub>71</sub>, 5, 2, 51; 1998 SU<sub>146</sub>, 3, 1, 0; 1998 UC<sub>42</sub>, 3, 1, 0; 1999 BA<sub>26</sub>, 3, 1, 0; 1999 ER<sub>12</sub>, 2, 1, 0; 1999 JT<sub>51</sub>, 3, 1, 0; 1999 JJ<sub>59</sub>, 6, 2, 1; 1999 JY<sub>97</sub>, 3, 1, 0; 1999 RX<sub>33</sub>, 3, 1, 0; 1999 RR<sub>45</sub>, 3, 1, 0; 1999 RW<sub>63</sub>, 5, 2, 1; 1999 TD<sub>3</sub>, 3, 1, 0; 1999 TD<sub>29</sub>, 3, 1, 0; 1999 TG<sub>200</sub>, 3, 1, 0; 1999 XE<sub>25</sub>, 3, 1, 0; 1999 XT<sub>36</sub>, 3, 1, 0; 1999 XD<sub>116</sub>, 8, 3, 3; 1999 XZ<sub>120</sub>, 2, 1, 0; 2000 AL<sub>7</sub>, 3, 1, 0; 2000 AF<sub>71</sub>, 3, 1, 0; 2000 AX<sub>160</sub>, 1, 1, 0; 2000 DJ<sub>19</sub>, 6, 2, 1; 2000 EC<sub>47</sub>, 3, 1, 0; 2000 EV<sub>108</sub>, 3, 1, 0; 2000 GY<sub>178</sub>, 3, 1, 0; 2000 NP<sub>13</sub>, 3, 1, 0; 2000 QL<sub>223</sub>, 3, 1, 0; 2000 SG<sub>296</sub>, 3, 1, 0; 2000 SM<sub>347</sub>, 2, 1, 0; 2000 UJ<sub>25</sub>, 3, 1, 0; 2000 VQ<sub>16</sub>, 3, 1, 0; 2000 VV<sub>17</sub>, 4, 1, 0; 2000 WW<sub>61</sub>, 3, 1, 0; 2000 WF<sub>98</sub>, 2, 1, 0; 2000 WP<sub>172</sub>, 3, 1, 0; 2000 XS<sub>45</sub>, 3, 1, 0; 2001 BY<sub>46</sub>, 3, 1, 0; 2001 CT<sub>2</sub>, 3, 1, 0; 2001 CS<sub>7</sub>, 6, 2, 1; 2001 DD<sub>54</sub>, 3, 1, 0; 2001 DK<sub>73</sub>, 3, 1, 0; 2001 TG<sub>191</sub>, 5, 1, 0; 2001 UD<sub>41</sub>, 3, 1, 0; 2002 CN<sub>237</sub>, 2, 1, 0; 2002 CE<sub>248</sub>, 5, 2, 1; 2002 GE<sub>174</sub>, 6, 3, 5; 2002 JP<sub>72</sub>, 3, 1, 0; 2002 JL<sub>95</sub>, 6, 2, 26; 2002 LB<sub>28</sub>, 3, 1, 0; 2003 EZ<sub>40</sub>, 3, 1, 0; 2003 JJ<sub>13</sub>, 2, 1, 0; 2003 MQ<sub>9</sub> \*, 8, 3, 6; 2003 MR<sub>9</sub> \*, 9, 4, 25; 2003 NC<sub>3</sub>, 5, 2, 1; 2003 OK<sub>1</sub>, 3, 1, 0; 2003 OD<sub>3</sub> \*, 8, 3, 5; 2003 OE<sub>3</sub> \*, 6, 2, 1; 2003 OG<sub>15</sub> \*, 6, 2, 2; 2003 OC<sub>16</sub>, 3, 1, 0; 2003 OE<sub>16</sub> \*, 12, 4, 3; 2003 OF<sub>16</sub> \*, 9, 3, 10; 2003 OD<sub>17</sub>, 3, 1, 0; 2003 OH<sub>18</sub> \*, 5, 2, 2; 2003 OJ<sub>18</sub> \*, 6, 2, 2; 2003 OH<sub>20</sub> \*, 9, 3, 2; 2003 PY<sub>1</sub>, 5, 2, 1; 2003 PK<sub>7</sub>, 2, 1, 0; 2003 QV, 1, 1, 0; 2003 QD<sub>1</sub>, 3, 1, 0; 2003 QN<sub>3</sub> \*, 6, 2, 1; 2003 QQ<sub>3</sub> \*, 5, 2, 1; 2003 QS<sub>3</sub> \*, 8, 3, 3; 2003 QT<sub>5</sub> \*, 6, 2, 2; 2003 QK<sub>79</sub>, 3, 1, 0; (358), 3, 1, 0; (582), 3, 1, 0; (628), 3, 1, 0; (758), 2, 1, 0; (1472), 7, 2, 1; (1494), 3, 1, 0; (2635), 3, 1, 0; (2726), 6, 2, 1; (3742), 2, 1, 0; (3788), 3, 1, 0; (3793), 9, 3, 3; (3798), 3, 1, 0; (3822), 2, 1, 0; (4351), 12, 4, 3; (4437), 3, 1, 0; (4509), 4, 1, 0; (4515), 9, 3, 3; (4602), 4, 2, 1; (5169), 3, 1, 0; (5238), 3, 1, 0; (5400), 6, 2, 1; (5408), 5, 2, 1; (5710), 2, 1, 0; (5863), 3, 1, 0; (5864), 6, 2, 1; (6257), 3, 1, 0; (6272), 17, 5, 28; (6679), 3, 1, 0; (7069), 3, 1, 0; (7883), 3, 1, 0; (7906), 3, 1, 0; (7972), 3, 1, 0; (8569), 3, 1, 0; (8836), 3, 1, 0; (8954), 7, 2, 1; (9136), 3, 1, 0; (10587), 6, 2, 1; (11711), 3, 1, 0; (11727), 3, 1, 0; (11999), 3, 1, 0; (12262), 3, 1, 0; (12925), 6, 2, 2; (14633), 3, 1, 0; (15307), 5, 2, 1; (15446), 3, 1, 0; (15527), 3, 1, 0; (15549), 3, 1, 0; (15804), 2, 1, 0; (15853), 7, 2, 1; (15989), 3, 1, 0; (16738), 2, 1, 0; (17031), 8, 3, 4; (17567), 3, 1, 0; (17816), 1, 1, 0; (17827), 4, 2, 2; (17990), 3, 1, 0; (18762), 2, 1, 0; (18814), 3, 1, 0; (19116), 3, 1, 0; (19206), 15, 5, 4; (19300), 2, 1, 0; (19386), 6, 2, 2; (19487), 5, 2, 1; (19583), 3, 1, 0; (19645), 6, 2, 1; (20500), 3, 1, 0; (20542), 5, 2, 1; (20863), 6, 2, 1; (20998), 2, 1, 0; (21033), 3, 1, 0; (21074), 6, 2, 2; (21282), 6, 2, 1; (21628), 3, 1, 0; (22533), 2, 1, 0; (22631), 3, 1, 0; (22906), 3, 1, 0; (23160), 3, 1, 0; (23618), 3, 1, 0; (23635), 3, 1, 0; (23718), 16, 5, 4; (24285), 3, 1, 0; (25187), 3, 1, 0; (26034), 3, 1, 0; (26907), 3, 1, 0; (28365), 6, 2, 1; (29032), 3, 1, 0; (29623), 5, 2, 1; (29892), 3, 1, 0; (29912), 3, 1, 0; (30947), 7, 2, 1; (32066), 6, 1, 0; (32076), 3, 1, 0; (33238), 1, 1, 0; (33687), 3, 1, 0; (35420), 2, 1, 0; (35609), 4, 1, 0; (35613), 6, 2, 1; (35621), 6, 2, 1; (35767), 6, 2, 2; (35851), 2, 1, 0; (35881), 2, 1, 0; (36111), 3, 1, 0; (36307), 3, 1, 0; (38059), 3, 1, 0; (38193), 3, 1, 0; (38204), 3, 1, 0; (38363), 2, 1, 0; (39465), 5, 2, 1; (39620), 6, 2, 1; (39994), 3, 1, 0; (40176), 6, 2, 2; (40337), 9, 3, 3; (40360), 5, 2, 1; (40540), 3, 1, 0; (40879), 3, 1, 0; (40886), 6, 2, 1; (40978), 3, 1, 0; (41035), 5, 2, 1; (41223), 5, 2, 1; (41271), 3, 1, 0; (41272), 3, 1, 0; (41420), 3, 1, 0; (42046), 2, 1, 0; (42064), 3, 1, 0; (42225), 3, 1, 0; (44172), 3, 1, 0; (44736), 3, 1, 0; (44792), 3, 1, 0; (46403), 4, 2, 1; (47960), 2, 1, 0; (50461), 3, 1, 0; (52985), 7, 2, 1; (54057), 3, 1, 0; (54355), 6, 2, 1; (56215), 3, 1, 0; (56533), 3, 1, 0; (56762), 3, 1, 0; (57344), 3, 1, 0; (57450), 3, 1, 0; (57937), 6, 2, 1; (58208), 3, 1, 0; (58693), 6, 2, 1; (59215), 2, 1, 0; (59577), 3, 1, 0; (59800), 3, 1, 0; (60870), 3, 1, 0; (61019), 3, 1, 0; (61446), 3, 1, 0; (62602), 3, 1, 0; (63087), 3, 1, 0; (63290), 4, 1, 0; (64576), 2, 1, 0; (64610), 3, 1, 0; (64987), 3, 1, 0; [942, 233, 14\*, 1998/07/26–2003/08/22]

### 098 Asiago Observatory, Cima Ekar

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Observers U. Munari, F. Castellani, M. Tombelli, P. Antolini

Measurers F. Castellani, M. Tombelli, G. Forti  
0.67-m  $f/3.2$  Schmidt

2001 QA<sub>219</sub>, 4, 1, 0; [4, 1, 0\*, 1996/02/24]

### 104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San  
Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it]

Observers L. Tesi, A. Boattini, M. Tombelli

Measurers G. Forti, L. Tesi, A. Boattini, M. Tombelli

0.40-m  $f/5$  reflector + CCD

USNO-A2.0, USNO-SA2.0

1995 FV<sub>12</sub>, 5, 1, 0; 1998 XJ<sub>24</sub>, 3, 1, 0; 2002 TU<sub>206</sub>, 2, 1, 0; 2003 BF<sub>80</sub>, 5, 1, 0; 2003 CU<sub>7</sub>, 5, 1, 0; 2003 GO<sub>23</sub>, 3, 1, 0; (54983), 2, 1, 0; (59052), 2, 1, 0; [27, 8, 0\*, 1994/02/09–2002/02/03]

### 106 Crni Vrh

H. Mikuž, Kersnikova 11, SI-61000 Ljubljana, Slovenia [herman.mikuz@uni-lj.si]

Observers H. Mikuž, J. Skvarč, B. Dintinjana

0.60-m  $f/3.3$  Deltagraph + CCD

USNO-A2.0, UCAC-2

1981 DS<sub>2</sub>, 3, 1, 0; 1988 DE<sub>3</sub>, 6, 2, 4; 1992 RB<sub>1</sub>, 3, 1, 0; 1992 RT<sub>1</sub>, 3, 1, 0; 1992 SW<sub>18</sub>, 3, 1, 0; 1993 QY<sub>3</sub>, 4, 2, 1; 1994 EW<sub>3</sub>, 3, 1, 0; 1994 EO<sub>4</sub>, 7, 2, 1; 1994 FV<sub>3</sub>, 3, 1, 0; 1994 PA<sub>4</sub>, 3, 1, 0; 1994 QF<sub>3</sub>, 3, 1, 0; 1995 FD<sub>4</sub>, 9, 2, 3; 1995 SF<sub>17</sub>, 3, 1, 0; 1995 UC<sub>5</sub>, 3, 1, 0; 1995 UB<sub>24</sub>, 3, 1, 0; 1995 UT<sub>25</sub>, 3, 1, 0; 1995 WS<sub>3</sub>, 6, 2, 1; 1995 XT<sub>1</sub>, 3, 1, 0; 1996 AF<sub>18</sub>, 3, 1, 0; 1996 TW<sub>28</sub>, 6, 2, 9; 1996 UJ<sub>1</sub>, 6, 2, 1; 1996 VO<sub>5</sub>, 9, 3, 24; 1996 YH<sub>3</sub>, 3, 1, 0; 1997 AA<sub>4</sub>, 3, 1, 0; 1997 AE<sub>12</sub>, 3, 1, 0; 1997 EX<sub>7</sub>, 3, 1, 0; 1997 XD<sub>10</sub>, 6, 2, 1; 1997 YP<sub>15</sub>, 6, 2, 8; 1998 AM<sub>3</sub>, 3, 1, 0; 1998 BX<sub>3</sub>, 3, 1, 0; 1998 EZ<sub>19</sub>, 3, 1, 0; 1998 FO<sub>25</sub>, 3, 1, 0; 1998 FB<sub>27</sub>, 4, 2, 3; 1998 FJ<sub>36</sub>, 9, 3, 9; 1998 FJ<sub>69</sub>, 3, 1, 0; 1998 FK<sub>79</sub>, 3, 1, 0; 1998 FJ<sub>107</sub>, 6, 2, 4; 1998 HV<sub>13</sub>, 3, 1, 0; 1998 HB<sub>42</sub>, 6, 2, 9; 1998 HS<sub>98</sub>, 3, 1, 0; 1998 KO<sub>32</sub>, 6, 2, 1; 1998 KG<sub>49</sub>, 3, 1, 0; 1998 QF<sub>46</sub>, 3, 1, 0; 1998 QK<sub>48</sub>, 3, 1, 0; 1998 QM<sub>53</sub>, 3, 1, 0; 1998 RO<sub>18</sub>, 3, 1, 0; 1998 RW<sub>61</sub>, 3, 1, 0; 1998 RE<sub>71</sub>, 3, 1, 0; 1998 RX<sub>73</sub>, 3, 1, 0; 1998 SD<sub>7</sub>, 3, 1, 0; 1998 SP<sub>6</sub>, 3, 1, 0; 1998 SW<sub>25</sub>, 6, 1, 0; 1998 SE<sub>72</sub>, 3, 1, 0; 1998 SD<sub>87</sub>, 3, 1, 0; 1998 SP<sub>126</sub>, 3, 1, 0; 1998 SR<sub>127</sub>, 3, 1, 0; 1998 SV<sub>127</sub>, 3, 1, 0; 1998 SX<sub>131</sub>, 18, 4, 9; 1998 SH<sub>143</sub>, 3, 1, 0; 1998 UJ<sub>23</sub>, 3, 1, 0; 1998 UJ<sub>26</sub>, 3, 1, 0; 1998 UG<sub>40</sub>, 6, 2, 8; 1998 VW<sub>12</sub>, 3, 1, 0; 1998 VO<sub>29</sub>, 3, 1, 0; 1998 VM<sub>36</sub>, 6, 1, 0; 1998 VZ<sub>52</sub>, 6, 2, 1; 1998 WO<sub>4</sub>, 3, 1, 0; 1998 WY<sub>4</sub>, 9, 3, 4; 1998 XY<sub>3</sub>, 3, 1, 0; 1999 CT<sub>147</sub>, 2, 1, 0; 1999 EP<sub>3</sub>, 3, 1, 0; 1999 HZ<sub>6</sub>, 2, 1; 1999 JA<sub>13</sub>, 9, 3, 13; 1999 JD<sub>25</sub>, 3, 1, 0; 1999 JQ<sub>33</sub>, 3, 1, 0; 1999 JZ<sub>41</sub>, 6, 2, 1; 1999 JC<sub>55</sub>, 6, 2, 1; 1999 LM<sub>13</sub>, 3, 1, 0; 1999 LO<sub>20</sub>, 6, 2, 1; 1999 NQ<sub>6</sub>, 9, 3, 9; 1999 NS<sub>6</sub>, 3, 1, 0; 1999 NW<sub>7</sub>, 3, 1, 0; 1999 NE<sub>19</sub>, 3, 1, 0; 1999 NX<sub>45</sub>, 6, 2, 1; 1999 NT<sub>50</sub>, 9, 2, 4; 1999 PB<sub>6</sub>, 2, 2, 1; 1999 PM<sub>3</sub>, 3, 1, 0; 1999 RL<sub>6</sub>, 3, 1, 0; 1999 RU<sub>24</sub>, 3, 1, 0; 1999 RG<sub>30</sub>, 3, 1, 0; 1999 RC<sub>31</sub>, 6, 2, 3; 1999 RW<sub>33</sub>, 3, 1, 0; 1999 RW<sub>37</sub>, 6, 2, 1; 1999 RU<sub>41</sub>, 3, 1, 0; 1999 RO<sub>44</sub>, 3, 1, 0; 1999 RA<sub>71</sub>, 3, 1, 0; 1999 RK<sub>73</sub>, 3, 1, 0; 1999 RU<sub>82</sub>, 3, 1, 0; 1999 RH<sub>83</sub>, 3, 1, 0; 1999 RE<sub>84</sub>, 6, 1, 0; 1999 RM<sub>84</sub>, 6, 2, 1; 1999 RT<sub>84</sub>, 3, 1, 0; 1999 RU<sub>106</sub>, 3, 1, 0; 1999 RG<sub>124</sub>, 3, 1, 0; 1999 RU<sub>124</sub>, 5, 2, 1; 1999 RZ<sub>133</sub>, 3, 1, 0; 1999 RU<sub>136</sub>, 3, 1, 0; 1999 RC<sub>138</sub>, 3, 1, 0; 1999 RR<sub>152</sub>, 3, 1, 0; 1999 RY<sub>152</sub>, 3, 1, 0; 1999 RD<sub>153</sub>, 3, 1, 0; 1999 RZ<sub>155</sub>, 3, 1, 0; 1999 RK<sub>156</sub>, 3, 1, 0; 1999 RB<sub>163</sub>, 3, 1, 0; 1999 RT<sub>171</sub>, 6, 2, 3; 1999 RT<sub>174</sub>, 3, 1, 0; 1999 RA<sub>181</sub>, 3, 1, 0; 1999 RM<sub>184</sub>, 6, 2, 13; 1999 RD<sub>187</sub>, 3, 1, 0; 1999 RB<sub>194</sub>, 3, 1, 0; 1999 RH<sub>199</sub>, 3, 1, 0; 1999 RO<sub>199</sub>, 3, 1, 0; 1999 RJ<sub>208</sub>, 3, 1, 0; 1999 RS<sub>208</sub>, 3, 1, 0; 1999 RL<sub>221</sub>, 3, 1, 0; 1999 RT<sub>221</sub>, 2, 1, 0; 1999 RC<sub>253</sub>, 6, 2, 1; 1999 TC<sub>9</sub>, 2, 1, 0; 1999 TE<sub>10</sub>, 3, 1, 0; 1999 TF<sub>26</sub>, 3, 1, 0; 1999 TB<sub>29</sub>, 12, 3, 5; 1999 TU<sub>31</sub>, 3, 1, 0; 1999 TF<sub>34</sub>, 3, 1, 0; 1999 TY<sub>93</sub>, 3, 1, 0; 1999 TQ<sub>99</sub>, 3, 1, 0; 1999 TB<sub>102</sub>, 3, 1, 0; 1999 TP<sub>103</sub>, 6, 2, 1; 1999 TM<sub>108</sub>, 3, 1, 0; 1999 TX<sub>108</sub>, 3, 1, 0; 1999 TK<sub>127</sub>, 6, 2, 3; 1999 TH<sub>152</sub>, 6, 2, 1; 1999 TZ<sub>183</sub>, 3, 1, 0; 1999 TO<sub>184</sub>, 6, 2, 1; 1999 TV<sub>185</sub>, 3, 1, 0; 1999 TZ<sub>189</sub>, 3, 1, 0; 1999 TB<sub>193</sub>, 3, 1, 0; 1999 TD<sub>193</sub>, 3, 1, 0; 1999 TF<sub>193</sub>, 6, 2, 5; 1999 TG<sub>201</sub>, 3, 1, 0; 1999 TQ<sub>201</sub>, 3, 1, 0; 1999 TX<sub>205</sub>, 6, 2, 1; 1999 TC<sub>214</sub>, 3, 1, 0; 1999 TP<sub>214</sub>, 6, 2, 4; 1999 TY<sub>223</sub>, 9, 2, 9; 1999 TM<sub>228</sub>, 3, 1, 0; 1999 TN<sub>228</sub>, 3, 1, 0; 1999 TS<sub>231</sub>, 6, 2, 1; 1999 TS<sub>256</sub>, 3, 1, 0; 1999 TN<sub>269</sub>, 9, 3, 9; 1999 TV<sub>270</sub>, 3, 1, 0; 1999 TH<sub>272</sub>, 3, 1, 0; 1999 TX<sub>288</sub>, 3, 1, 0; 1999 TA<sub>300</sub>, 6, 1, 0; 1999 TZ<sub>309</sub>, 3, 1, 0; 1999 UF<sub>4</sub>, 3, 1, 0; 1999 UV<sub>6</sub>, 3, 1, 0; 1999 UT<sub>15</sub>, 3, 1, 0; 1999 UV<sub>16</sub>, 3, 1, 0; 1999 UX<sub>40</sub>, 3, 1, 0; 1999 UE<sub>45</sub>, 3, 1, 0; 1999 UU<sub>51</sub>, 3, 1, 0; 1999 VG<sub>18</sub>, 3, 1, 0; 1999 VO<sub>18</sub>, 3, 1, 0; 1999 VZ<sub>30</sub>, 3, 1, 0; 1999 VS<sub>47</sub>, 3, 1, 0; 1999 VZ<sub>67</sub>, 9, 3, 13; 1999 VH<sub>81</sub>, 3, 1, 0; 1999 VB<sub>86</sub>, 3, 1, 0; 1999 VX<sub>144</sub>, 6, 2, 1; 1999 VY<sub>163</sub>, 3, 1, 0; 1999 VL<sub>186</sub>, 3, 1, 0; 1999 VS<sub>199</sub>, 6, 2, 1; 1999 WT<sub>2</sub>, 3, 1, 0; 1999 WM<sub>8</sub>, 3, 1, 0; 1999 WO<sub>11</sub>, 6, 2, 1; 1999 WV<sub>16</sub>, 3, 1, 0; 1999 XC<sub>6</sub>, 3, 1, 0; 1999 XV<sub>20</sub>, 3, 1, 0; 1999 XO<sub>21</sub>, 11, 3, 4; 1999 XO<sub>23</sub>, 3, 1, 0; 1999 XC<sub>49</sub>, 2, 1, 0; 1999 XR<sub>74</sub>, 6, 1, 0; 1999 XC<sub>101</sub>, 3, 1, 0; 1999 XN<sub>109</sub>, 9, 3, 8; 1999 XK<sub>117</sub>, 6, 2, 9; 1999 XN<sub>117</sub>, 3, 1, 0; 1999 XB<sub>125</sub>, 9, 3, 24; 1999 XV<sub>132</sub>, 3, 1, 0; 1999 XW<sub>132</sub>, 3, 1, 0; 1999 XA<sub>181</sub>, 3, 1, 0; 1999 XM<sub>183</sub>, 6, 1, 0; 1999 XR<sub>187</sub>, 5, 2, 19; 1999 XF<sub>189</sub>, 9, 3, 8; 1999 XZ<sub>191</sub>, 6, 2, 1; 1999 XX<sub>192</sub>, 6, 2, 1; 1999 XJ<sub>203</sub>, 3, 1, 0; 1999 XB<sub>204</sub>, 3, 1, 0; 1999 XG<sub>237</sub>, 6, 1, 0; 1999 YC<sub>6</sub>, 3, 1, 0; 2000 AC<sub>29</sub>, 3, 1, 0; 2000 AL<sub>29</sub>, 3, 1, 0; 2000 AY<sub>32</sub>, 3, 1, 0; 2000 AF<sub>33</sub>, 3, 1, 0; 2000 AW<sub>51</sub>, 3, 1, 0; 2000 AU<sub>67</sub>, 2, 1, 0; 2000 AZ<sub>78</sub>, 3, 1, 0; 2000 AB<sub>83</sub>, 3, 1, 0; 2000 AD<sub>99</sub>, 3, 1,

0; 2000 AZ<sub>100</sub>, 3, 1, 0; 2000 AF<sub>116</sub>, 3, 1, 0; 2000 AT<sub>126</sub>, 3, 1, 0; 2000 AL<sub>145</sub>, 3, 1, 0; 2000 AG<sub>150</sub>, 3, 1, 0; 2000 AH<sub>194</sub>, 3, 1, 0; 2000 AR<sub>204</sub>, 6, 2, 1; 2000 AH<sub>215</sub>, 9, 3, 4; 2000 AW<sub>230</sub>, 3, 1, 0; 2000 BP<sub>20</sub>, 6, 2, 1; 2000 BM<sub>22</sub>, 3, 1, 0; 2000 BQ<sub>25</sub>, 1, 1, 0; 2000 CT<sub>30</sub>, 3, 1, 0; 2000 CB<sub>38</sub>, 3, 1, 0; 2000 CH<sub>118</sub>, 3, 1, 0; 2000 DA<sub>25</sub>, 9, 3, 8; 2000 DL<sub>53</sub>, 3, 1, 0; 2000 DU<sub>98</sub>, 3, 1, 0; 2000 EG<sub>83</sub>, 3, 1, 0; 2000 JO<sub>2</sub>, 9, 3, 14; 2000 JL<sub>3</sub>, 3, 1, 0; 2000 KH<sub>3</sub>, 3, 1, 0; 2000 OW<sub>45</sub>, 3, 1, 0; 2000 QF<sub>24</sub>, 6, 2, 1; 2000 QS<sub>68</sub>, 6, 2, 5; 2000 QG<sub>95</sub>, 3, 1, 0; 2000 QL<sub>115</sub>, 3, 1, 0; 2000 QR<sub>180</sub>, 3, 1, 0; 2000 RY<sub>7</sub>, 12, 3, 5; 2000 RF<sub>10</sub>, 3, 1, 0; 2000 RN<sub>22</sub>, 9, 3, 6; 2000 RQ<sub>27</sub>, 3, 1, 0; 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(39486), 3, 1, 0; (39495), 3, 1, 0; (39501), 3, 1, 0; (39538), 3, 1, 0; (39604), 6, 2, 1; (39610), 3, 1, 0; (39620), 6, 1, 0; (39672), 9, 3, 8; (39690), 3, 1, 0; (39754), 3, 1, 0; (39759), 3, 1, 0; (39826), 3, 1, 0; (39856), 3, 1, 0; (39872), 3, 1, 0; (39876), 3, 1, 0; (39885), 3, 1, 0; (39899), 3, 1, 0; (39915), 3, 1, 0; (39916), 3, 1, 0; (39939), 3, 1, 0; (39948), 3, 1, 0; (39980), 3, 1, 0; (40050), 12, 4, 13; (40083), 6, 2, 1; (40131), 3, 1, 0; (40171), 3, 1, 0; (40173), 6, 2, 9; (40179), 6, 2, 4; (40189), 6, 2, 1; (40225), 6, 2, 1; (40319), 3, 1, 0; (40353), 3, 1, 0; (40358), 3, 1, 0; (40362), 3, 1, 0; (40368), 3, 1, 0; (40379), 3, 1, 0; (40420), 3, 1, 0; (40436), 3, 1, 0; (40467), 3, 1, 0; (40469), 3, 1, 0; (40475), 3, 1, 0; (40502), 6, 2, 8; (40504), 6, 2, 9; (40604), 3, 1, 0; (40613), 6, 1, 0; (40645), 3, 1, 0; (40691), 3, 1, 0; (40700), 3, 1, 0; (40759), 3, 1, 0; (40915), 5, 2, 9; (40946), 3, 1, 0; (40961), 3, 1, 0; (40965), 9, 2, 1; (40999), 3, 1, 0; (41017), 3, 1, 0; (41025), 3, 1, 0; (41038), 3, 1, 0; (41056), 3, 1, 0; (41073), 3, 1, 0; (41116), 9, 3, 8; (41117), 3, 1, 0; (41119), 3, 1, 0; (41127), 9, 3, 8; (41269), 3, 1, 0; (41345), 3, 1, 0; (41357), 3, 1, 0; (41407), 6, 2, 1; (41488), 3, 1, 0; (41559), 9, 3, 5; (41572), 3, 1, 0; (41588), 3, 1, 0; (41603), 9, 3, 8; (41687), 3, 1, 0; (41692), 3, 1, 0; (41712), 3, 1, 0; (41719), 3, 1, 0; (41780), 3, 1, 0; (41803), 3, 1, 0; (41808), 3, 1, 0; (41876), 3, 1, 0; (41911), 3, 1, 0; (41969), 3, 1, 0; (42013), 6, 2, 9; (42069), 6, 2, 1; (42205), 3, 1, 0; (42218), 3, 1, 0; (42242), 3, 1, 0; (42344), 3, 1, 0; (42374), 6, 2, 14; (42407), 3, 1, 0; (42421), 9, 3, 4; (42448), 3, 1, 0; (42507), 3, 1, 0; (42524), 3, 1, 0; (42575), 12, 4, 13; (42579), 6, 2, 1; (42586), 3, 1, 0; (42590), 3, 1, 0; (42604), 5, 2, 1; (42630), 3, 1, 0; (42663), 6, 1, 0; (42710), 3, 1, 0; (42718), 6, 1, 0; (42744), 3, 1, 0; (42764), 1, 1, 0; (42770), 6, 2, 3; (42783), 3, 1, 0; (42814), 6, 2, 20; (42815), 3, 1, 0; (42838), 9, 2, 1; (42896), 3, 1, 0; (42931), 3, 1, 0; (42938), 3, 1, 0; (42966), 3, 1, 0; (42975), 6, 2, 1; (42978), 3, 1, 0; (42986), 6, 2, 1; (42989), 6, 2, 9; (42994), 3, 1, 0; (43018), 3, 1, 0; (43021), 3, 1, 0; (43051), 6, 2, 1; (43068), 3, 1, 0; (43074), 3, 1, 0; (43106), 3, 1, 0; (43139), 3, 1, 0; (43152), 3, 1, 0; (43233), 3, 1, 0; (43237), 3, 1, 0; (43243), 3, 1, 0; (43252), 18, 5, 5; (43349), 3, 1, 0; (43407), 3, 1, 0; (43408), 3, 1, 0; (43434), 3, 1, 0; (43439), 2, 1, 0; (43471), 3, 1, 0; (43536), 3, 1, 0; (43567), 3, 1, 0; (43683), 7, 3, 4; (43704), 6, 2, 1; (43830), 3, 1, 0; (44463), 1, 1, 0; (44853), 3, 1, 0; (45075), 3, 1, 0; (45103), 3, 1, 0; (45224), 3, 1, 0; (45453), 3, 1, 0; (45835), 3, 1, 0; (45893), 3, 1, 0; (46102), 3, 1, 0; (46115), 3, 1, 0; (46408), 3, 1, 0; (46481), 6, 2, 1; (47055), 3, 1, 0; (47973), 3, 1, 0; (49649), 3, 1, 0; (53470), 3, 1, 0; (55575), 6, 2, 18; (57031), 6, 2, 1; (57925), 9, 3, 3; (57946), 3, 1, 0; (57956), 6, 2, 9; (57961), 3, 1, 0; (58258), 6, 2, 1; (58263), 3, 1, 0; (58296), 3, 1, 0; (58394), 6, 2, 7; (58496), 3, 1, 0; (59595), 3, 1, 0; (59641), 3, 1, 0; (59737), 3, 1, 0; (59774), 3, 1, 0; (59855), 6, 1, 0; (59988), 3, 1, 0; (60188), 3, 1, 0; (62766), 6, 2, 6; (62809),

9, 2, 1; (63013), 3, 1, 0; (63044), 6, 2, 1; (63211), 6, 2, 1; (63213), 6, 1, 0; (63246), 3, 1, 0; (64998), 3, 1, 0; (65185), 3, 1, 0; (65320), 3, 1, 0; [7332, 1711, 46\*, 1999/12/29–2003/09/05]

## 108 Montelupo

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Observers M. Tombelli, L. Tesi, D. Guidetti, E. Masotti, M. Gherardini, C. Pampaloni

Measurers M. Tombelli, L. Tesi, S. Bartolini, G. Forti, E. Masotti, M. Gherardini

0.30-m  $f/5.7$  Schmidt-Cassegrain + CCD

USNO-A2.0

1998 MX<sub>5</sub>, 4, 1, 0; 1999 GJ<sub>2</sub>, 7, 2, 12; 2000 OL<sub>8</sub>, 11, 2, 5; 2001 LF, 8, 3, 9; 2003 KR<sub>18</sub>, 3, 1, 0; 2003 MF<sub>1</sub>, 3, 1, 0; (24445), 6, 2, 17; (37655), 4, 1, 0; [46, 8, 0\*, 2003/07/06–2003/08/02]

## 113 Volkssternwarte Drebach, Schoenbrunn

G. Lehmann, Persterstrasse 6h, D-09430 Drebach, Germany

[[g.lehmann@abo.freiepresse.de](mailto:g.lehmann@abo.freiepresse.de)]

Observers G. Lehmann, J. Kandler, A. Knöfel, F. Müller, W. Müller

0.50-m  $f/4.0$  reflector + CCD

USNO-A2.0

1989 AG<sub>6</sub>, 2, 1, 0; 1990 TY<sub>1</sub>, 3, 1, 0; 1991 RH<sub>3</sub>, 2, 1, 0; 1991 RJ<sub>3</sub>, 4, 2, 17; 1991 TH<sub>3</sub>, 2, 1, 0; 1992 RB<sub>1</sub>, 2, 1, 0; 1993 VU, 2, 1, 0; 1995 EN<sub>8</sub>, 3, 1, 0; 1995 UB<sub>3</sub>, 3, 1, 0; 1998 HS<sub>45</sub>, 2, 1, 0; 1998 HM<sub>102</sub>, 2, 1, 0; 1998 HN<sub>119</sub>, 5, 1, 0; 1998 JU<sub>1</sub>, 3, 1, 0; 1998 MH<sub>3</sub>, 2, 1, 0; 1998 QS<sub>77</sub>, 3, 1, 0; 1998 SD<sub>35</sub>, 3, 1, 0; 1998 TE<sub>18</sub>, 3, 1, 0; 1998 XO<sub>64</sub>, 3, 1, 0; 1999 CZ<sub>1</sub>, 6, 2, 10; 1999 GJ<sub>2</sub>, 5, 1, 0; 1999 RQ<sub>3</sub>, 2, 1, 0; 1999 RO<sub>172</sub>, 3, 1, 0; 1999 SO<sub>2</sub>, 6, 2, 3; 1999 TP<sub>185</sub>, 3, 1, 0; 1999 TZ<sub>265</sub>, 3, 1, 0; 1999 VS<sub>1</sub>, 3, 1, 0; 1999 VP<sub>30</sub>, 2, 1, 0; 1999 VK<sub>80</sub>, 3, 1, 0; 1999 VH<sub>115</sub>, 3, 1, 0; 1999 XX<sub>128</sub>, 3, 1, 0; 1999 XR<sub>136</sub>, 3, 1, 0; 1999 XW<sub>156</sub>, 3, 1, 0; 1999 XM<sub>168</sub>, 3, 1, 0; 1999 YA<sub>6</sub>, 3, 1, 0; 2000 AV<sub>15</sub>, 3, 1, 0; 2000 AB<sub>32</sub>, 3, 1, 0; 2000 AU<sub>84</sub>, 3, 1, 0; 2000 AB<sub>201</sub>, 3, 1, 0; 2000 AA<sub>203</sub>, 3, 1, 0; 2000 FF<sub>11</sub>, 3, 1, 0; 2000 LV<sub>31</sub>, 3, 1, 0; 2000 PV<sub>6</sub>, 3, 1, 0; 2000 QU<sub>35</sub>, 5, 2, 10; 2000 SY<sub>232</sub>, 3, 1, 0; 2000 UR<sub>97</sub>, 2, 1, 0; 2000 WL<sub>40</sub>, 3, 1, 0; 2000 WX<sub>54</sub>, 3, 1, 0; 2000 WT<sub>75</sub>, 3, 1, 0; 2000 WZ<sub>87</sub>, 2, 1, 0; 2000 XX<sub>41</sub>, 5, 2, 2; 2000 XU<sub>44</sub>, 3, 1, 0; 2000 YX<sub>26</sub>, 3, 1, 0; 2000 YM<sub>80</sub>, 3, 1, 0; 2001 BU<sub>31</sub>, 3, 1, 0; 2001 BM<sub>59</sub>, 3, 1, 0; 2001 KZ<sub>66</sub>, 2, 1, 0; 2001 PM<sub>9</sub>, 5, 1, 0; 2002 CB<sub>12</sub>, 3, 1, 0; 2002 FG, 3, 1, 0; 2002 FH<sub>3</sub>, 2, 1, 0; 2002 FQ<sub>9</sub>, 2, 1, 0; 2002 JO<sub>115</sub>, 3, 1, 0; 2002 ML<sub>3</sub>, 3, 1, 0; 2002 OA<sub>22</sub>, 3, 1, 0; 2003 NA<sub>7</sub>, 3, 1, 0; 2003 PQ<sub>9</sub>, 3, 1, 0; 2003 QA, 3, 1, 0; 2003 QB<sub>10</sub>, 3, 1, 0; 2003 QC<sub>10</sub>, 3, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QU<sub>10</sub>, 3, 1, 0; 2003 QZ<sub>30</sub>, 6, 1, 0; 2003 QL<sub>47</sub> \*, 16, 4, 3; 2003 QN<sub>47</sub>, 3, 1, 0; 2003 QS<sub>69</sub> \*, 10, 3, 2; 2003 QR<sub>79</sub>, 4, 1, 0; (6986), 3, 1, 0; (11680), 3, 1, 0; (23478), 3, 1, 0; (35966), 5, 2, 1; (39728), 3, 1, 0; (42782), 3, 1, 0; (43660), 4, 1, 0; [279, 83, 2\*, 2002/03/11–2003/09/06]

## 118 Modra

A. Galád, AGO MFF UK, P.O. Box 4, SK-90001 Modra, Slovakia

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Observers L. Kornoš, J. Világi, Š. Gajdoš, A. Galád, J. Tóth

0.6-m  $f/5.5$  reflector + CCD

USNO-SA2.0

1997 AE<sub>12</sub>, 9, 2, 2; 1998 TU<sub>3</sub>, 19, 4, 3; 2002 DD<sub>4</sub>, 2, 1, 0; 2003 FT<sub>3</sub>, 21, 7, 13; 2003 HN, 3, 1, 0; 2003 HM<sub>16</sub>, 12, 3, 12; 2003 KP<sub>2</sub>, 28, 8, 86; 2003 KX<sub>16</sub>, 8, 2, 11; 2003 KR<sub>18</sub>, 17, 5, 57; 2003 LG, 14, 4, 12; 2003 LS<sub>3</sub>, 13, 5, 21; 2003 LN<sub>6</sub>, 9, 1, 0; 2003 LO<sub>6</sub>, 3, 1, 0; 2003 LP<sub>6</sub>, 7, 2, 3; 2003 MA, 12, 4, 14; 2003 MN, 8, 1, 0; 2003 MO, 22, 6, 14; 2003 MS<sub>2</sub>, 5, 1, 0; 2003 MT<sub>2</sub>, 11, 3, 25; 2003 MA<sub>3</sub>, 3, 1, 0; 2003 MJ<sub>4</sub>, 2, 1, 0; 2003 MK<sub>4</sub>, 17, 5, 16; 2003 MC<sub>7</sub>, 6, 2, 1; 2003 MD<sub>7</sub>, 5, 2, 4; 2003 MU<sub>7</sub>, 4, 1, 0; 2003 MV<sub>7</sub>, 2, 1, 0; 2003 MW<sub>7</sub>, 4, 1, 0; 2003 MS<sub>9</sub>, 2, 1, 0; 2003 NB, 2, 1, 0; 2003 ND, 4, 2, 20; 2003 NW<sub>1</sub>, 4, 2, 1; 2003 NO<sub>4</sub>, 6, 2, 1; 2003 NE<sub>6</sub>, 6, 2, 1; 2003 NZ<sub>6</sub>, 10, 2, 1; 2003 NA<sub>7</sub>, 5, 1, 0; 2003 OS<sub>13</sub>, 12, 4, 4; 2003 OT<sub>13</sub>, 7, 3, 3; 2003 OR<sub>14</sub>, 3, 1, 0; 2003 PJ, 4, 1, 0; 2003 PQ<sub>9</sub>, 4, 1, 0; 2003 PY<sub>10</sub>, 4, 2, 1; 2003 PB<sub>11</sub>, 6, 3, 2; 2003 PC<sub>11</sub>, 8, 3, 26; 2003 QA, 7, 2, 3; 2003 QC, 5, 2, 6; 2003 QH<sub>5</sub>, 18, 6, 10; 2003 QJ<sub>5</sub>, 4, 1, 0; 2003 QW<sub>5</sub> \*, 26, 5, 5; 2003 QC<sub>10</sub>, 3, 1, 0; 2003 QQ<sub>10</sub>, 7, 2, 15; 2003 QX<sub>10</sub>, 4, 2, 1; 2003 QW<sub>10</sub>, 3, 1, 0; 2003 QZ<sub>30</sub>, 3, 1, 0; 2003 QY<sub>30</sub>, 4, 1, 0; 2003 QZ<sub>30</sub>, 3, 1, 0; 2003 QA<sub>31</sub>, 5, 3, 8; 2003 QN<sub>47</sub>, 9, 3, 11; 2003 QR<sub>79</sub>, 7, 3, 9; 2003 RB<sub>90</sub>, 2, 1, 0; 2003 QL<sub>96</sub>, 8, 2, 3; 2003 RB, 4, 1, 0; 2003 RS<sub>1</sub>, 5, 1, 0; 2003 RB<sub>5</sub>, 15, 2, 1; 2003 RY<sub>5</sub>, 2, 1, 0; 2003 RZ<sub>5</sub>, 9, 2, 1; 2003 RD<sub>6</sub>, 2, 1, 0; 2003 RA<sub>6</sub>, 2, 1, 0; 2003 RW<sub>7</sub>, 3, 1, 0; 2003 RX<sub>7</sub>, 3, 1, 0; (2060), 3, 1, 0; (2953), 3, 1, 0; (11168), 2, 1, 0; (25872), 4, 2, 1; (39899), 4, 1, 0; (40575), 1, 1, 0; (42069), 5, 1, 0; [546, 77, 1\*, 2003/06/09–2003/09/07]

**120 Višnjan**

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Observers Z. Divéki, P. Korlević, B. Sipőcz, R. Stoss, K. Korlević

0.41-m  $f/4.3$  reflector + CCD

USNO-B1.0

1978 CA, 1, 1, 0; 1999 SH, 2, 1, 0; 1999 TP<sub>123</sub>, 3, 1, 0; 1999 XF<sub>87</sub>, 3, 1, 0; 2000 NG<sub>14</sub>, 2, 1, 0; 2002 CR<sub>220</sub>, 2, 1, 0; 2002 PF<sub>136</sub>, 3, 1, 0; 2002 RW<sub>10</sub>, 3, 1, 0; 2002 VU<sub>84</sub>, 2, 1, 0; 2003 CG<sub>3</sub>, 3, 1, 0; 2003 QA, 3, 1, 0; (3122), 5, 2, 4; (14172), 2, 1, 0; (17212), 2, 1, 0; (19708), 2, 1, 0; (31440), 2, 1, 0; (38541), 3, 1, 0; (43929), 2, 1, 0; (46791), 2, 1, 0; (46829), 4, 1, 0; (58733), 3, 1, 0; [54, 21, 0\*, 1998/10/20–2003/08/17]

**126 Monte Viseggi**

P. Pietrapiana, via Stefano Clemente 22, I-10143 Torino, Italy

[mc7316@mcmlink.it]

Observer L. Zannoni

Measurers L. Zannoni, A. Bondielli, G. Scarfi, P. Pietrapiana, A. Austin

0.40-m  $f/6$  reflector + CCD

GSC, USNO-SA1.0

1999 GJ<sub>2</sub>, 14, 4, 50; 2000 OL<sub>8</sub>, 3, 1, 0; 2001 LF, 3, 1, 0; 2002 OA<sub>22</sub>, 19, 5, 34; 2002 YB<sub>12</sub>, 7, 2, 6; 2003 FT<sub>3</sub>, 3, 1, 0; 2003 KP<sub>2</sub>, 8, 3, 36; 2003 KR<sub>18</sub>, 10, 3, 30; 2003 LS<sub>3</sub>, 5, 1, 0; (24445), 11, 3, 19; [83, 10, 0\*, 2003/06/22–2003/08/24]

**127 Bornheim**

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0.30-m  $f/3.2$  FFC + CCD

USNO-A2.0

1997 AE<sub>12</sub>, 12, 3, 4; 1998 MX<sub>5</sub>, 6, 2, 9; 1998 VE<sub>32</sub>, 5, 2, 9; 1999 GJ<sub>2</sub>, 8, 3, 8; 1999 JN<sub>3</sub>, 6, 2, 13; 1999 RO<sub>44</sub>, 5, 2, 26; 1999 XE<sub>115</sub>, 7, 2, 26; 2000 LX<sub>25</sub>, 6, 2, 8; 2000 OL<sub>8</sub>, 6, 2, 6; 2000 TN<sub>33</sub>, 7, 3, 12; 2001 LF, 12, 3, 8; 2001 XU<sub>10</sub>, 7, 2, 15; 2002 OA<sub>22</sub>, 7, 2, 3; 2002 YX<sub>11</sub>, 6, 2, 26; 2002 YA<sub>12</sub>, 3, 1, 0; 2003 EJ<sub>16</sub>, 9, 3, 22; 2003 FS<sub>2</sub>, 4, 1, 0; 2003 HN, 3, 1, 0; (105), 13, 3, 4; (502), 9, 2, 5; (568), 13, 3, 4; (771), 13, 3, 4; (1951), 8, 2, 5; (2100), 18, 4, 15; (54789), 8, 2, 13; [201, 25, 0\*, 2003/04/23–2003/08/14]

**130 Lumezzane**

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Observers M. Damiani, S. Foglia, W. Marinello, M. Micheli, C. Cremaschini,

G. Pizzetti, A. Soffiantini, T. Zani

0.40-m  $f/4.5$  reflector + CCD

USNO-A2.0

1997 AE<sub>12</sub>, 4, 1, 0; 1998 QH<sub>2</sub>, 4, 1, 0; 1999 GJ<sub>2</sub>, 7, 2, 42; 2000 OL<sub>8</sub>, 5, 1, 0; 2000 YF<sub>99</sub>, 3, 1, 0; 2001 KZ<sub>66</sub>, 4, 1, 0; 2001 LF, 3, 1, 0; 2002 OA<sub>22</sub>, 4, 1, 0; 2003 FT<sub>3</sub>, 4, 1, 0; 2003 HM<sub>16</sub>, 4, 1, 0; 2003 KP<sub>2</sub>, 7, 2, 5; 2003 LS<sub>3</sub>, 2, 1, 0; 2003 MT<sub>2</sub>, 4, 1, 0; 2003 ML<sub>6</sub>, 4, 1, 0; 2003 QH<sub>5</sub>, 3, 1, 0; 2003 QJ<sub>5</sub>, 3, 1, 0; 2003 QK<sub>5</sub>, 2, 1, 0; 2003 QZ<sub>30</sub>, 4, 1, 0; 2003 QN<sub>47</sub>, 4, 1, 0; 2003 RX<sub>7</sub>, 4, 1, 0; (2060), 2, 1, 0; (3102), 3, 1, 0; (7336), 3, 1, 0; (11220), 6, 1, 0; (21437), 4, 1, 0; (24445), 4, 1, 0; (37655), 24, 3, 14; (42069), 4, 1, 0; (55636), 1, 1, 0; [130, 29, 0\*, 2003/06/07–2003/09/07]

**132 Bedoin**

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[Pierre.Antonini@wanadoo.fr]

0.30-m  $f/3.3$  Schmidt-Cassegrain + CCD

USNO-A2.0

1998 MX<sub>5</sub>, 3, 1, 0; 1998 QH<sub>2</sub>, 3, 1, 0; 2001 BJ<sub>16</sub>, 3, 1, 0; 2001 CC<sub>21</sub>, 3, 1, 0; 2001 EA<sub>16</sub>, 3, 1, 0; 2001 FC<sub>7</sub>, 3, 1, 0; 2001 SL<sub>9</sub>, 3, 1, 0; 2002 YB<sub>12</sub>, 3, 1, 0; 2003 KR<sub>18</sub>, 3, 1, 0; 2003 LG, 3, 1, 0; 2003 PC<sub>11</sub>, 6, 2, 3; 2003 QA, 3, 1, 0; 2003 QC, 6, 2, 3; 2003 QH<sub>5</sub>, 6, 2, 2; 2003 QJ<sub>5</sub>, 3, 1, 0; 2003 QK<sub>5</sub>, 6, 2, 2; 2003 QF<sub>70</sub>, 3, 1, 0; [63, 17, 0\*, 2003/06/19–2003/08/27]

**138 Village-Neuf**

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Observers D. Matter, C. Demeautis

0.25-m  $f/5.1$  reflector + CCD, 0.16-m  $f/3.4$  reflector + CCD

USNO-A2, GSC-ACT

1999 NT<sub>50</sub>, 4, 1, 0; 2000 AV<sub>3</sub>, 3, 1, 0; 2002 GT<sub>6</sub>, 3, 1, 0; 2003 RB<sub>5</sub>, 98, 1, 0; (297), 4, 1, 0; (575), 4, 1, 0; (592), 4, 1, 0; (1349), 4, 1, 0; (1576), 4, 1, 0; (2433), 3, 1, 0; (2712), 3, 1, 0; (2726), 4, 1, 0; (2997), 3, 1, 0; (3983), 4, 1, 0; (6078), 3, 1, 0; (6266), 4, 1, 0; (6614), 4, 1, 0; (9034), 4, 1, 0; (9173), 3, 1, 0; (9633), 4, 1, 0; (9825), 3, 1, 0; (19116), 3, 1, 0; (19122), 3, 1, 0; (19887), 4, 1, 0; (25379), 4, 1, 0; (33752), 4, 1, 0; (37706), 3, 1, 0; (43683), 4, 1, 0; [195, 28, 0\*, 2003/08/02–2003/09/05]

**143 Gnosca**

S. Sposetti, CH-6525 Gnosca, Switzerland [spo@bluewin.ch]

0.40-m  $f/4.0$  reflector + CCD

USNO-A2.0

1995 SW<sub>34</sub>, 2, 1, 0; 1999 VC<sub>23</sub>, 6, 2, 893; 2003 PT<sub>9</sub>, 4, 1, 0; 2003 QR<sub>41</sub>, 7, 2, 2; 2003 RB<sub>5</sub>, 11, 1, 0; 2003 RZ<sub>5</sub>, 5, 1, 0; (909), 3, 1, 0; (5400), 2, 1, 0; (14264), 2, 1, 0; (19116), 3, 1, 0; (19165), 3, 1, 0; (21831), 1, 1, 0; (35730), 2, 1, 0; (43097), 3, 1, 0; [54, 14, 0\*, 2001/03/23–2003/09/04]

**145 's-Gravenwezel Observatory**

T. Alderweireldt, Rozenlaan 14, B-2970 's-Gravenwezel, Belgium

[Tom.Alderweireldt@ping.be]

0.20-m  $f/3.4$  Schmidt-Cassegrain + CCD

USNO-A2.0, Tycho-2

(13323), 5, 1, 0; [5, 1, 0\*, 1999/11/12]

**151 Eschenberg Observatory, Winterthur**

M. Griesser, Breitenstrasse 2, CH-8542 Wiesendangen, Switzerland

[griesser@spectraweb.ch]

0.40-m  $f/5.8$  Cassegrain + CCD

USNO-SA2.0, USNO-A1.0, USNO-A2.0, UCAC-2

1978 CA, 9, 2, 45; 1989 AG<sub>6</sub>, 4, 1, 0; 1990 TY<sub>1</sub>, 4, 1, 0; 1991 RH<sub>3</sub>, 2, 1, 0; 1991 RJ<sub>3</sub>, 7, 2, 16; 1991 TH<sub>3</sub>, 2, 1, 0; 1991 TT<sub>6</sub>, 2, 1, 0; 1992 RB<sub>1</sub>, 6, 1, 0; 1992 SJ<sub>17</sub>, 4, 1, 0; 1997 AE<sub>12</sub>, 67, 5, 31; 1998 FV<sub>77</sub>, 3, 1, 0; 1998 MX<sub>5</sub>, 32, 4, 26; 1998 QH<sub>2</sub>, 37, 5, 44; 1998 UH<sub>1</sub>, 4, 1, 0; 1999 GJ<sub>2</sub>, 39, 8, 61; 2000 LY<sub>27</sub>, 3, 1, 0; 2000 OL<sub>8</sub>, 34, 4, 9; 2001 LF, 24, 5, 47; 2001 PM<sub>9</sub>, 7, 2, 11; 2001 XU<sub>10</sub>, 8, 1, 0; 2002 CZ<sub>46</sub>, 4, 1, 0; 2002 OA<sub>22</sub>, 32, 5, 39; 2002 QF<sub>15</sub>, 8, 2, 15; 2002 YB<sub>12</sub>, 25, 3, 23; 2003 FT<sub>3</sub>, 13, 2, 8; 2003 GA, 4, 1, 0; 2003 HN, 4, 1, 0; 2003 HA<sub>22</sub>, 4, 1, 0; 2003 KP<sub>2</sub>, 13, 3, 24; 2003 KR<sub>18</sub>, 21, 4, 66; 2003 LG, 10, 1, 0; 2003 LS<sub>3</sub>, 8, 2, 43; 2003 LP<sub>6</sub>, 4, 1, 0; 2003 MO, 8, 1, 0; 2003 MT<sub>2</sub>, 8, 2, 6; 2003 MK<sub>4</sub>, 9, 1, 0; 2003 MF<sub>7</sub>, 5, 1, 0; 2003 MV<sub>7</sub>, 4, 1, 0; 2003 NB, 8, 2, 2; 2003 NS<sub>4</sub>, 4, 1, 0; 2003 NZ<sub>6</sub>, 18, 2, 4; 2003 OR<sub>13</sub>, 5, 1, 0; 2003 OT<sub>13</sub>, 8, 1, 0; 2003 OR<sub>14</sub>, 8, 1, 0; 2003 PJ, 2, 1, 0; 2003 QA, 36, 4, 16; 2003 QC, 10, 1, 0; 2003 QJ<sub>5</sub>, 4, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QW<sub>10</sub>, 4, 1, 0; 2003 QX<sub>10</sub>, 3, 1, 0; 2003 QZ<sub>30</sub>, 19, 2, 3; 2003 QQ<sub>47</sub>, 9, 2, 2; 2003 QR<sub>79</sub>, 4, 1, 0; 2003 RS<sub>1</sub>, 15, 1, 0; 2003 RB<sub>5</sub>, 16, 1, 0; 2003 RZ<sub>5</sub>, 5, 1, 0; (2100), 10, 1, 0; (6986), 4, 1, 0; (20809), 4, 1, 0; (20828), 2, 1, 0; (21437), 4, 1, 0; (24445), 10, 1, 0; (40011), 5, 1, 0; [702, 64, 0\*, 2003/06/09–2003/09/04]

**152 Moletai Astronomical Observatory**

K. Černis, Institute of Theoretical Physics and Astronomy, Gostauto 12, LT-2000

Vilnius, Lithuania [cernis@itpa.lt]

Observers K. Černis, J. Zdanavicius, K. Zdanavicius

0.35-m  $f/3.5$  reflector + CCD

USNO-A2.0

1999 TW<sub>150</sub>, 6, 2, 1; 1999 VK<sub>27</sub>, 6, 2, 1; 2000 JN<sub>45</sub>, 5, 2, 1; 2001 TB<sub>197</sub>, 3, 1, 0; 2001 UJ<sub>118</sub>, 3, 1, 0; 2003 FW<sub>39</sub>, 1, 1, 0; 2003 FD<sub>62</sub>, 3, 1, 0; 2003 FJ<sub>71</sub>, 3, 1, 0; 2003 FK<sub>71</sub>, 1, 1, 0; 2003 FM<sub>71</sub>, 1, 1, 0; (2256), 6, 2, 1; (2627), 6, 2, 1; (2712), 6, 2, 1; (3334), 2, 1, 0; (3380), 2, 1, 0; (6786), 1, 1, 0; (8054), 2, 1, 0; (9126), 5, 2, 1; (10332), 3, 1, 0; (11743), 2, 1, 0; (11777), 6, 2, 1; (12620), 5, 2, 1; (17907), 3, 1, 0; (19858), 3, 1, 0; (20274), 6, 2, 1; (20336), 6, 2, 1; (20577), 5, 2, 1; (21239), 2, 1, 0; (21292), 3, 1, 0; (24380), 4, 2, 1; (37095), 3, 1, 0; (38461), 2, 1, 0; (38813), 6, 2, 1;

(39779), 3, 1, 0; (39956), 6, 2, 1; (61456), 3, 1, 0; (62896), 6, 2, 1; (65213), 5, 2, 1; [144, 38, 0\*, 2002/03/15–2003/03/27]

### 153 Stuttgart-Hoffeld

R. Stuber, Hoffeldstrasse 121, D-70597 Stuttgart, Germany [mail@rolfstuber.de]

0.25-m  $f/7.2$  reflector + CCD

GSC, USNO-A2.0

2001 BG<sub>80</sub>, 8, 2, 1; (32), 6, 2, 1; (85), 12, 2, 1; (112), 8, 2, 1; (487), 8, 2, 1; (779), 17, 4, 23; (968), 9, 2, 1; (1055), 8, 2, 1; [76, 8, 0\*, 2003/07/28–2003/09/04]

### 163 Roeser Observatory, Luxembourg

M. Dawson, 66 Rue Boch, L-1244 Luxembourg, Luxembourg [dawson@pt.lu]

0.50-m  $f/4$  Newtonian + CCD

USNO-A2.0

2003 QA, 3, 1, 0; 2003 QC, 8, 2, 4; 2003 QH<sub>5</sub>, 4, 1, 0; 2003 QJ<sub>5</sub>, 3, 1, 0; 2003 QB<sub>10</sub>, 2, 1, 0; 2003 QZ<sub>30</sub>, 5, 1, 0; 2003 QN<sub>47</sub>, 5, 1, 0; 2003 QL<sub>96</sub>, 4, 1, 0; 2003 RB, 5, 1, 0; (12442), 2, 1, 0; (24445), 4, 1, 0; [45, 11, 0\*, 2003/08/19–2003/09/03]

### 169 Aircali Observatory

S. Puccini, Aircali Observatory, Via Montegrappa 16, I-15030 Rosignano, Italy

[starfield@tin.it]

Observer P. Silvano

0.25-m  $f/5.1$  Schmidt-Cassegrain + CCD

GSC

(34817), 2, 1, 0; [2, 1, 0\*, 2003/08/06]

### 170 Observatorio de Begues

J. Manteca, c/Santpere, no. Casa 22, E-08859 Begues, Barcelona, Spain

[jmantecav@nexo.es]

0.31-m  $f/6.3$  Schmidt-Cassegrain + CCD

USNO-SA2.0, UCAC-2

1978 CA, 7, 2, 11; 1981 DR<sub>3</sub>, 3, 1, 0; 1989 UQ, 3, 1, 0; 1997 AE<sub>12</sub>, 6, 2, 24; 1997 XD<sub>10</sub>, 3, 1, 0; 1998 MX<sub>5</sub>, 8, 3, 33; 1998 QH<sub>2</sub>, 6, 2, 11; 1998 SM<sub>117</sub>, 3, 1, 0; 1998 TU<sub>3</sub>, 6, 2, 15; 1999 DB<sub>7</sub>, 3, 1, 0; 1999 GJ<sub>2</sub>, 4, 2, 28; 1999 GT<sub>3</sub>, 3, 1, 0; 1999 JL<sub>13</sub>, 4, 1, 0; 1999 TG<sub>188</sub>, 3, 1, 0; 1999 XU<sub>118</sub>, 2, 1, 0; 1999 XK<sub>167</sub>, 4, 1, 0; 2000 NL<sub>10</sub>, 2, 1, 0; 2000 OL<sub>8</sub>, 17, 5, 13; 2000 PJ<sub>6</sub>, 3, 1, 0; 2000 QP, 3, 1, 0; 2000 QU<sub>100</sub>, 3, 1, 0; 2000 QV<sub>180</sub>, 3, 1, 0; 2000 SJ<sub>217</sub>, 3, 1, 0; 2000 UJ<sub>107</sub>, 2, 1, 0; 2000 WH<sub>56</sub>, 3, 1, 0; 2000 WM<sub>95</sub>, 3, 1, 0; 2000 XN<sub>44</sub>, 13, 4, 20; 2000 YK<sub>50</sub>, 10, 2, 1; 2000 YJ<sub>66</sub>, 1, 1, 0; 2000 YZ<sub>111</sub>, 3, 1, 0; 2001 AU<sub>24</sub>, 2, 1, 0; 2001 BJ<sub>16</sub>, 3, 1, 0; 2001 CV<sub>26</sub>, 3, 1, 0; 2001 EY<sub>4</sub>, 2, 1, 0; 2001 FC<sub>7</sub>, 3, 1, 0; 2001 HO<sub>16</sub>, 6, 1, 0; 2001 LE<sub>6</sub>, 2, 1, 0; 2001 PM<sub>9</sub>, 7, 3, 22; 2001 SL<sub>9</sub>, 3, 1, 0; 2001 XU<sub>10</sub>, 5, 2, 12; 2001 XR<sub>31</sub>, 6, 2, 26; 2002 CZ<sub>46</sub>, 6, 2, 11; 2002 EC<sub>41</sub>, 2, 1, 0; 2002 OA<sub>22</sub>, 7, 3, 17; 2002 QF<sub>15</sub>, 2, 1, 0; 2002 YB<sub>12</sub>, 5, 2, 27; 2003 FT<sub>3</sub>, 3, 1, 0; 2003 GA, 6, 2, 24; 2003 HM<sub>16</sub>, 4, 1, 0; 2003 HA<sub>22</sub>, 3, 1, 0; 2003 KP<sub>2</sub>, 3, 1, 0; 2003 KR<sub>18</sub>, 8, 3, 33; 2003 LS<sub>3</sub>, 3, 1, 0; 2003 MT<sub>2</sub>, 6, 2, 32; 2003 MH<sub>4</sub>, 5, 2, 5; 2003 MJ<sub>4</sub>, 3, 1, 0; 2003 MC<sub>7</sub>, 3, 1, 0; 2003 MV<sub>7</sub>, 6, 2, 20; 2003 NB, 7, 2, 19; 2003 ND, 3, 1, 0; 2003 NO<sub>4</sub>, 6, 2, 24; 2003 NL<sub>7</sub>, 3, 1, 0; 2003 OY<sub>7</sub>, 3, 1, 0; 2003 OS<sub>13</sub>, 6, 2, 5; 2003 OT<sub>13</sub>, 9, 3, 6; 2003 OR<sub>14</sub>, 4, 1, 0; 2003 PC<sub>11</sub>, 2, 1, 0; 2003 QA, 7, 2, 9; 2003 QC, 4, 1, 0; 2003 QK<sub>5</sub>, 3, 1, 0; 2003 QC<sub>10</sub>, 5, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QW<sub>10</sub>, 5, 1, 0; 2003 QZ<sub>29</sub>, 3, 1, 0; 2003 QZ<sub>30</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 2, 1, 0; 2003 RS<sub>1</sub>, 10, 2, 1; 2003 RB<sub>5</sub>, 7, 1, 0; (1627), 3, 1, 0; (2100), 2, 1, 0; (2607), 3, 1, 0; (3122), 1, 1, 0; (3352), 4, 1, 0; (3753), 4, 1, 0; (4197), 2, 1, 0; (4487), 3, 1, 0; (5143), 3, 1, 0; (5863), 3, 1, 0; (6491), 3, 1, 0; (7336), 5, 2, 35; (10636), 2, 1, 0; (12557), 2, 1, 0; (12571), 2, 1, 0; (18826), 3, 1, 0; (18882), 2, 1, 0; (22365), 2, 1, 0; (22401), 2, 1, 0; (24445), 3, 1, 0; (35266), 1, 1, 0; (37655), 11, 3, 21; (40263), 1, 1, 0; (40342), 1, 1, 0; (40774), 1, 1, 0; (42061), 1, 1, 0; (43734), 1, 1, 0; (54509), 3, 1, 0; (62193), 2, 1, 0; [428, 107, 0\*, 2001/08/29–2003/09/07]

### 173 St. Clotilde, Réunion

R. Chassagne, 58C2 Route Gabriel Mace, F-97490 St. Clotilde, France

[robin.chassagne@wanadoo.fr]

0.30-m  $f/2.7$  reflector + CCD

Observers R. Chassagne, C. Demeautis

Measurer C. Demeautis

USNO-SA

1999 JQ<sub>89</sub>, 3, 1, 0; [3, 1, 0\*, 2000/10/01]

### 174 Nyrölä Observatory, Jyväskylä

A. Oksanen, Verkkoniementie 30, SF-40950 Muurame, Finland

[arto.oksanen@jkl.sirius.fi]

Observers A. Oksanen, P. Tikkanen

0.40-m  $f/5$  Schmidt-Cassegrain + CCD

USNO-A2.0

(683), 3, 1, 0; (22978), 3, 1, 0; [6, 2, 0\*, 2003/08/17–2003/08/21]

### 176 Observatori Astronomic de Consell

À. López, Apartado de correos 122, E-07320 Santa Maria, Mallorca, Spain

[obsconsell@wanadoo.es]

Observers À. López, R. Pacheco

0.41-m  $f/4$  reflector + CCD

USNO-A2, UCAC-2

1999 UL<sub>25</sub>, 3, 1, 0; 2001 AD<sub>19</sub>, 3, 1, 0; 2001 EE<sub>16</sub>, 3, 1, 0; 2001 MK<sub>3</sub>, 5, 1, 0; 2002 DD<sub>4</sub>, 5, 1, 0; 2003 KP<sub>2</sub>, 5, 1, 0; 2003 KR<sub>18</sub>, 5, 1, 0; 2003 LS<sub>3</sub>, 3, 1, 0; 2003 LP<sub>6</sub>, 5, 1, 0; 2003 MM, 5, 1, 0; 2003 MO, 5, 1, 0; 2003 MU, 4, 1, 0; 2003 ME<sub>1</sub>, 5, 1, 0; 2003 MA<sub>2</sub>, 4, 1, 0; 2003 MX<sub>2</sub>, 3, 1, 0; 2003 MA<sub>3</sub>, 3, 1, 0; 2003 MH<sub>4</sub>, 10, 2, 21; 2003 MK<sub>4</sub>, 9, 2, 15; 2003 MJ<sub>6</sub>, 8, 2, 5; 2003 MC<sub>7</sub>, 11, 2, 36; 2003 MD<sub>7</sub>, 6, 1, 0; 2003 MU<sub>7</sub>, 4, 1, 0; 2003 MV<sub>7</sub>, 10, 2, 5; 2003 MW<sub>7</sub>, 5, 1, 0; 2003 NB, 10, 2, 2; 2003 NZ<sub>6</sub>, 5, 1, 0; 2003 NA<sub>7</sub>, 5, 1, 0; 2003 NL<sub>7</sub>, 8, 2, 19; 2003 OT<sub>2</sub>, 4, 1, 0; 2003 OF<sub>3</sub>, 4, 1, 0; 2003 OB<sub>4</sub>, 4, 1, 0; 2003 OX<sub>7</sub>, 5, 1, 0; 2003 OQ<sub>13</sub>, 5, 1, 0; 2003 OR<sub>13</sub>, 5, 1, 0; 2003 OT<sub>13</sub>, 19, 4, 8; 2003 OU<sub>13</sub>, 3, 1, 0; 2003 OR<sub>14</sub>, 5, 1, 0; 2003 OW<sub>16</sub>, 5, 1, 0; 2003 OH<sub>20</sub>, 4, 1, 0; 2003 OJ<sub>20</sub>, 4, 1, 0; 2003 PJ, 3, 1, 0; 2003 PM<sub>5</sub>, 4, 1, 0; 2003 PN<sub>5</sub>, 4, 1, 0; 2003 PY<sub>10</sub>, 5, 1, 0; 2003 QC, 14, 3, 6; 2003 QH<sub>5</sub>, 4, 1, 0; 2003 QK<sub>5</sub>, 4, 1, 0; 2003 QB<sub>10</sub>, 3, 1, 0; 2003 QC<sub>10</sub>, 5, 1, 0; 2003 QQ<sub>10</sub>, 9, 2, 5; 2003 QV<sub>10</sub>, 5, 1, 0; 2003 QW<sub>10</sub>, 5, 1, 0; 2003 QZ<sub>29</sub>, 4, 1, 0; 2003 QY<sub>30</sub>, 5, 1, 0; 2003 QZ<sub>30</sub>, 4, 1, 0; 2003 QB<sub>31</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 7, 1, 0; 2003 QE<sub>57</sub>, 3, 1, 0; 2003 QF<sub>70</sub>, 4, 1, 0; 2003 QR<sub>79</sub>, 9, 2, 7; 2003 QG<sub>92</sub> \*, 6, 2, 1; 2003 QH<sub>92</sub> \*, 6, 2, 1; 2003 QL<sub>96</sub>, 5, 1, 0; 2003 QO<sub>104</sub>, 5, 1, 0; 2003 RS<sub>1</sub>, 5, 1, 0; 2003 RB<sub>5</sub>, 5, 1, 0; (11245), 4, 1, 0; (22075), 3, 1, 0; (23777), 4, 1, 0; (40663), 3, 1, 0; (54509), 10, 1, 0; [384, 71, 2\*, 2003/06/13–2003/09/06]

### 185 Vicques

M. Ory, 30 Rue Beridier, CH-2800 Delemont, Switzerland [pivate@bluewin.ch]

Observers H. Lehmann, M. Ory, F. Pedrocchi, T. Scheder

0.61-m  $f/4.08$  reflector + CCD

USNO-A2

1985 PM<sub>1</sub>, 3, 1, 0; 1991 PT<sub>10</sub>, 3, 1, 0; 1997 WD<sub>16</sub>, 3, 1, 0; 1998 FH<sub>12</sub>, 8, 1, 0; 1998 FB<sub>71</sub>, 2, 1, 0; 1998 HV<sub>134</sub>, 2, 1, 0; 1999 GZ<sub>35</sub>, 3, 1, 0; 1999 GQ<sub>58</sub>, 2, 1, 0; 1999 JK<sub>4</sub>, 2, 1, 0; 1999 JH<sub>42</sub>, 3, 1, 0; 1999 RU<sub>40</sub>, 3, 1, 0; 1999 RF<sub>103</sub>, 3, 1, 0; 1999 TA<sub>101</sub>, 3, 1, 0; 1999 TA<sub>300</sub>, 3, 1, 0; 1999 UK<sub>5</sub>, 3, 1, 0; 2000 AN<sub>169</sub>, 4, 1, 0; 2000 RR<sub>54</sub>, 3, 1, 0; 2000 RN<sub>71</sub>, 3, 1, 0; 2000 SC<sub>4</sub>, 3, 1, 0; 2000 SG<sub>261</sub>, 3, 1, 0; 2000 SN<sub>318</sub>, 2, 1, 0; 2000 UD<sub>28</sub>, 3, 1, 0; 2000 UK<sub>35</sub>, 3, 1, 0; 2000 UP<sub>43</sub>, 3, 1, 0; 2000 XS<sub>10</sub>, 2, 1, 0; 2001 LF, 9, 2, 9; 2002 GK<sub>155</sub>, 3, 1, 0; 2002 JK<sub>74</sub>, 4, 1, 0; 2003 FS<sub>2</sub>, 3, 1, 0; 2003 FT<sub>3</sub>, 12, 3, 22; 2003 HO<sub>2</sub>, 2, 1, 0; 2003 HA<sub>22</sub>, 9, 2, 5; 2003 JH<sub>14</sub>, 14, 3, 2; 2003 LG, 4, 1, 0; 2003 LG<sub>2</sub>, 3, 1, 0; 2003 MA, 5, 1, 0; 2003 MZ<sub>2</sub>, 6, 1, 0; 2003 MS<sub>4</sub>, 3, 1, 0; 2003 MT<sub>4</sub>, 2, 1, 0; 2003 NN, 3, 1, 0; (764), 2, 1, 0; (1101), 3, 1, 0; (4602), 7, 1, 0; (5577), 3, 1, 0; (5619), 4, 1, 0; (6394), 4, 1, 0; (6435), 3, 1, 0; (7719), 3, 1, 0; (9084), 4, 1, 0; (11684), 3, 1, 0; (12048), 3, 1, 0; (16071), 5, 1, 0; (16660), 3, 1, 0; (18416), 3, 1, 0; (18548), 3, 1, 0; (18807), 3, 1, 0; (19773), 4, 1, 0; (20982), 4, 1, 0; (21608), 2, 1, 0; (23534), 3, 1, 0; (30577), 3, 1, 0; (31723), 3, 1, 0; (32813), 3, 1, 0; (37183), 2, 1, 0; (37244), 2, 1, 0; (37392), 3, 1, 0; (37518), 3, 1, 0; (38938), 3, 1, 0; (40765), 4, 1, 0; (41529), 2, 1, 0; (42191), 7, 2, 1; (42808), 3, 1, 0; (54789), 8, 2, 9; (59199), 3, 1, 0; (64107), 3, 1, 0; (64968), 4, 1, 0; [282, 76, 0\*, 2000/12/22–2003/07/19]

### 194 Tivoli

W. Paech, Wiesenstrasse 13, D-30989 Gehrden, Germany [paech@ife.uni-hannover.de]

L. D. Schmadel, Astronomisches Rechen-Institut, Mönchhofstrasse 12-14, D-69120 Heidelberg, Germany [s21@ix.urz.uni-heidelberg.de]

Observers W. Paech, D. Unbehauen

Measurers W. Paech, L. D. Schmadel, D. Unbehauen

0.13-m  $f/6.5$  refractor + CCD  
GSC

1995 SN<sub>42</sub>, 2, 1, 0; [2, 1, 0\*, 2002/08/12]

### 196 Homburg-Erbach

W. Wiedemann, Hasenaekerstr. 29, D-66424 Homburg, Germany

[Wolfgang.Wiedemann@t-online.de]

0.20-m  $f/3.3$  Schmidt-Cassegrain + CCD  
USNO-A2.0

1997 AE<sub>12</sub>, 3, 1, 0; 1998 MX<sub>5</sub>, 3, 1, 0; 1999 JN<sub>3</sub>, 2, 1, 0; 1999 JK<sub>4</sub>, 2, 1, 0; 1999 UG<sub>53</sub>, 4, 1, 0; 2000 TN<sub>33</sub>, 2, 1, 0; 2000 VS<sub>32</sub>, 2, 1, 0; 2001 AO<sub>17</sub>, 9, 3, 10; 2002 AM<sub>117</sub>, 5, 2, 1; 2002 FF<sub>10</sub>, 2, 1, 0; 2003 KR<sub>18</sub>, 16, 6, 14; 2003 ME<sub>6</sub>, 12, 4, 14; 2003 MB<sub>7</sub>, 8, 2, 1; 2003 OR<sub>13</sub>, 2, 1, 0; 2003 QY<sub>30</sub>, 6, 1, 0; 2003 QZ<sub>30</sub>, 10, 3, 8; 2003 QN<sub>47</sub>, 2, 1, 0; 2003 RS<sub>1</sub>, 13, 2, 1; 2003 RZ<sub>5</sub>, 7, 1, 0; (657), 2, 1, 0; (724), 2, 1, 0; (978), 6, 2, 1; (1627), 4, 2, 1; (1721), 3, 1, 0; (2100), 9, 3, 4; (2145), 2, 1, 0; (3122), 3, 1, 0; (3313), 3, 1, 0; (4197), 2, 1, 0; (4502), 2, 1, 0; (4628), 3, 1, 0; (6266), 3, 1, 0; (7336), 10, 4, 9; (37655), 3, 1, 0; (59490), 3, 1, 0; [170, 35, 0\*, 2003/06/20–2003/09/05]

### 198 Wildberg

R. Apitzsch, Schwarzwaldstrasse 17-2, D-72218 Wildberg, Germany

[rolfapitzsch@astro-wildberg.com]

0.235-m Schmidt-Cassegrain + CCD  
USNO-A2.0, UCAC-2

1978 CA, 5, 1, 0; 1997 AE<sub>12</sub>, 17, 3, 32; 1998 MX<sub>5</sub>, 20, 4, 61; 1998 QH<sub>2</sub>, 8, 2, 16; 1999 GJ<sub>2</sub>, 18, 5, 47; 1999 TF<sub>211</sub>, 3, 1, 0; 2001 LF, 17, 5, 31; 2002 CZ<sub>46</sub>, 3, 1, 0; 2002 OA<sub>22</sub>, 9, 2, 21; 2002 QF<sub>15</sub>, 4, 1, 0; 2002 YB<sub>12</sub>, 3, 1, 0; 2003 GA, 4, 2, 1; 2003 GY, 4, 1, 0; 2003 HN, 4, 1, 0; 2003 HM<sub>16</sub>, 2, 1, 0; 2003 KP<sub>2</sub>, 9, 3, 39; 2003 KR<sub>18</sub>, 16, 4, 35; 2003 MT<sub>2</sub>, 11, 3, 23; 2003 MZ<sub>2</sub>, 3, 1, 0; 2003 NB, 2, 1, 0; 2003 NA<sub>7</sub>, 4, 1, 0; 2003 NL<sub>7</sub>, 3, 1, 0; 2003 PJ, 8, 2, 1; 2003 PQ<sub>9</sub>, 3, 1, 0; 2003 QA, 4, 1, 0; 2003 QQ<sub>10</sub>, 7, 2, 5; 2003 QZ<sub>29</sub>, 6, 2, 3; 2003 QY<sub>30</sub>, 6, 1, 0; 2003 QZ<sub>30</sub>, 5, 1, 0; 2003 QA<sub>31</sub>, 3, 1, 0; 2003 QN<sub>47</sub>, 4, 1, 0; 2003 RZ<sub>5</sub>, 4, 1, 0; (357), 3, 1, 0; (5143), 3, 1, 0; (7336), 3, 1, 0; (24445), 12, 3, 20; (34817), 4, 1, 0; (37655), 8, 2, 2; (38088), 4, 1, 0; (54509), 9, 2, 3; (54789), 8, 3, 10; [273, 41, 0\*, 2003/06/27–2003/09/05]

### 203 GiaGa Observatory

G. Galli, via Mozart 4, Pogliano Milanese (MI), Italy [gllgianni@tiscalinet.it]

0.13-m  $f/6.4$  refractor + CCD  
USNO-A2.0

(323), 4, 2, 1; (512), 6, 3, 7; (728), 4, 2, 7; (1350), 6, 3, 30; (1866), 7, 3, 2; (3102), 4, 2, 2; (4587), 5, 2, 1; (4591), 4, 2, 7; (5230), 4, 2, 1; (6556), 6, 3, 30; (7467), 4, 2, 1; [54, 11, 0\*, 2002/12/13–2003/05/23]

### 204 Schiaparelli Observatory

F. Bellini, via A. del Sarto 3, I-21100 Varese, Italy [astrogeo@astrogeo.va.it]

Observers F. Bellini, L. Buzzi, A. Mazzoleni, S. Di Filippo, A. Aletti, G. Dalla Via

Measurers F. Bellini, L. Buzzi, A. Aletti

0.6-m  $f/4.64$  reflector + CCD  
USNO-A2.0

1997 AE<sub>12</sub>, 9, 2, 32; 1998 FH<sub>12</sub>, 5, 1, 0; 1998 MX<sub>5</sub>, 5, 1, 0; 1998 QH<sub>2</sub>, 5, 1, 0; 1998 TU<sub>3</sub>, 8, 1, 0; 1999 GJ<sub>2</sub>, 2, 1, 0; 1999 KW<sub>4</sub>, 1, 1, 0; 2000 OL<sub>8</sub>, 5, 1, 0; 2001 CV<sub>26</sub>, 4, 1, 0; 2001 FC<sub>7</sub>, 2, 1, 0; 2001 KZ<sub>66</sub>, 2, 1, 0; 2001 LF, 5, 1, 0; 2001 PM<sub>9</sub>, 2, 1, 0; 2001 XR<sub>31</sub>, 5, 1, 0; 2002 CZ<sub>46</sub>, 4, 1, 0; 2002 MS<sub>4</sub>, 1, 1, 0; 2002 OA<sub>22</sub>, 5, 1, 0; 2002 QF<sub>15</sub>, 4, 1, 0; 2002 YB<sub>12</sub>, 5, 1, 0; 2003 FT<sub>3</sub>, 6, 1, 0; 2003 GA, 3, 1, 0; 2003 HM<sub>16</sub>, 3, 1, 0; 2003 KP<sub>2</sub>, 2, 1, 0; 2003 KR<sub>18</sub>, 5, 1, 0; 2003 LS<sub>3</sub>, 2, 1, 0; 2003 MT<sub>2</sub>, 2, 1, 0; 2003 MC<sub>7</sub>, 1, 1, 0; 2003 MV<sub>7</sub>, 2, 1, 0; 2003 NB, 3, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 OR<sub>14</sub>, 2, 3, 1, 0; 2003 QA, 3, 1, 0; 2003 QC, 5, 1, 0; 2003 QH<sub>5</sub>, 5, 1, 0; 2003 QJ<sub>5</sub>, 3, 1, 0; 2003 QQ<sub>10</sub>, 4, 1, 0; 2003 QY<sub>30</sub>, 5, 1, 0; 2003 QZ<sub>30</sub>, 3, 1, 0; (1627), 3, 1, 0; (2100), 13, 2, 11; (3102), 2, 1, 0; (3122), 4, 1, 0; (4197), 3, 1, 0; (5863), 2, 1, 0; (7336), 2, 1, 0; (20898), 3, 1, 0; (24445), 2, 1, 0; (37655), 8, 2, 14; (50000), 1, 1, 0; (54509), 10, 1, 0; [195, 50, 0\*, 2003/06/10–2003/08/27]

### 209 Asiago Observatory, Cima Ekar-ADAS

C. Barbieri, Astronomical Observatory and Dept. of Astronomy of the  
University of Padova, Vicolo Osservatorio 5, I-35122 Padova, Italy  
[barbieri@pd.astro.it]

G. Hahn, DLR-Institute of Space Sensor Technology and Planetary Exploration  
Rutherfordstrasse 2, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]

Observers C. Barbieri, G. Pignata, S. Magrin, I. Bertini

Measurers G. Pignata, S. Magrin, G. Hahn, M. Hoffmann, S. Mottola

0.67-m  $f/1.4$  Schmidt + CCD

GSC-1.1, USNO-SA2.0

1998 FP<sub>54</sub>, 3, 1, 0; 1999 CZ<sub>68</sub>, 3, 1, 0; 1999 CX<sub>111</sub>, 3, 1, 0; 1999 GK, 6, 2, 1; 1999 JG<sub>51</sub>, 3, 1, 0; 1999 RN<sub>48</sub>, 3, 1, 0; 1999 RO<sub>54</sub>, 3, 1, 0; 1999 RQ<sub>199</sub>, 3, 1, 0; 1999 RO<sub>246</sub>, 3, 1, 0; 1999 VO<sub>148</sub>, 3, 1, 0; 2000 AD<sub>99</sub>, 3, 1, 0; 2000 OJ, 3, 1, 0; 2000 QG<sub>140</sub>, 3, 1, 0; 2000 QG<sub>208</sub>, 3, 1, 0; 2001 SR<sub>83</sub>, 3, 1, 0; 2001 YP<sub>3</sub>, 3, 1, 0; 2001 YJ<sub>150</sub>, 3, 1, 0; 2002 BL<sub>24</sub>, 3, 1, 0; 2002 CW<sub>153</sub>, 6, 2, 6; 2002 GU<sub>172</sub>, 3, 1, 0; 2002 XA<sub>54</sub>, 3, 1, 0; 2003 BH<sub>87</sub>, 3, 1, 0; 2003 FN<sub>59</sub>, 3, 1, 0; 2003 FZ<sub>106</sub>, 3, 1, 0; 2003 HQ<sub>16</sub>, 3, 1, 0; 2003 HJ<sub>28</sub>, 3, 1, 0; 2003 HW<sub>46</sub>, 3, 1, 0; 2003 JT<sub>17</sub>, 3, 1, 0; 2003 KV<sub>36</sub>, 3, 1, 0; 2003 QF<sub>6</sub>, 3, 1, 0; (56286), 1, 1, 0; [97, 31, 0\*, 2001/02/11–2003/02/26]

### 213 Observatorio Montcabre

R. Naves N., c/o J. Balmes, no. 24 Cabrils, E-08348 Barcelona, Spain

[rnaves@eresmas.com]

Observer R. Naves

Measurers M. Campas, S. Beltran, R. Naves

0.30-m  $f/5.5$  Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2

2003 KR<sub>18</sub>, 3, 1, 0; 2003 PQ<sub>9</sub>, 6, 1, 0; 2003 QW<sub>10</sub>, 5, 1, 0; 2003 QX<sub>10</sub>, 5, 1, 0; 2003 QZ<sub>30</sub>, 6, 1, 0; (50000), 3, 1, 0; [28, 6, 0\*, 2003/06/22–2003/08/25]

### 215 Buchloe

W. Hasubick, Fischerweg 24, D-86807 Buchloe, Germany [werner.hasubick@t-online.de]

0.44-m  $f/4.6$  reflector + CCD

USNO-A2.0

1997 AE<sub>12</sub>, 3, 1, 0; 1998 TU<sub>3</sub>, 3, 1, 0; 2002 OA<sub>22</sub>, 3, 1, 0; 2003 FT<sub>3</sub>, 3, 1, 0; 2003 HA<sub>22</sub>, 1, 1, 0; 2003 KP<sub>2</sub>, 1, 1, 0; 2003 KR<sub>18</sub>, 1, 1, 0; 2003 LG, 3, 1, 0; 2003 OT<sub>13</sub>, 1, 1, 0; 2003 QA, 1, 1, 0; 2003 QZ<sub>29</sub>, 1, 1, 0; 2003 QN<sub>47</sub>, 4, 1, 0; 2003 QL<sub>96</sub>, 6, 1, 0; (1866), 3, 1, 0; (4587), 3, 1, 0; (8013), 3, 1, 0; (37655), 3, 1, 0; (50000), 4, 1, 0; (65407), 1, 1, 0; [48, 19, 0\*, 2003/06/20–2003/09/03]

### 224 Ottmarsheim

C. Rinner, 5 rue du lievre, F-68490 Ottmarsheim, France [rinnerc@wanadoo.fr]

0.30-m  $f/5.6$  reflector + CCD

USNO-A2.0

2003 MO, 5, 1, 0; 2003 MS<sub>2</sub>, 3, 1, 0; 2003 MJ<sub>6</sub>, 1, 1, 0; [9, 3, 0\*, 2003/06/22–2003/09/03]

### 225 Northwood Ridge Observatory

J. A. Blackwell, Northwood Ridge Observatory, 32 Temperance Hill Drive,  
Northwood, NH 03261, U.S.A. [johnb@regulusastro.com]

0.212-m  $f/3.9$  refractor + CCD

USNO-A2.0

(166), 4, 2, 1; (391), 4, 2, 3; (814), 4, 2, 3; [12, 3, 0\*, 2003/06/18–2003/06/28]

### 232 Masquefa Observatory

E. Reina L., Pl. Virgen de Montserrat, 1 Etlo. 2 B, E-08901 Hospitalet, Spain

[estrei@terra.es]

0.25-m  $f/3.3$  Schmidt-Cassegrain + CCD

USNO-SA2.0, UCAC-2

1997 AE<sub>12</sub>, 4, 1, 0; [4, 1, 0\*, 2003/08/20]

### 233 San Vito

S. Donati, Sauro Donati Astronomical Observatory, San Vito, Lucca, Italy  
[saurdon@tin.it]



0.25-m  $f/6.3$  Schmidt-Cassegrain + CCD  
USNO-A1.0

(1866), 4, 1, 0; (3893), 5, 1, 0; (4899), 5, 1, 0; [14, 3, 0\*, 2003/06/23–2003/08/23]

### 239 Michael Adrian Observatory, Trebur

M. Kretlow, Michael Adrian Observatorium, Fichtenstrasse 7, D-65468 Trebur,  
Germany [mkretlow@gmx.de]

1.24-m  $f/4.1$  Cassegrain + CCD  
USNO-A2.0

(48452), 2, 1, 0; [2, 1, 0\*, 2002/10/09]

### 240 Herrenberg

H. Michels, Enstr. 10, D-71083 Herrenberg, Germany [Sternwarte-Herrenberg@t-online.de]

0.40-m  $f/5$  Newtonian + CCD  
USNO-A2.0, UCAC-2

1985 PM<sub>1</sub>, 6, 1, 0; 1997 AE<sub>12</sub>, 11, 2, 24; 1998 MX<sub>5</sub>, 14, 2, 23; 1998 QH<sub>2</sub>, 10, 2, 8; 1999 GJ<sub>2</sub>, 18, 4, 60; 2000 AR<sub>45</sub>, 3, 1, 0; 2001 KZ<sub>66</sub>, 4, 1, 0; 2001 LF<sub>19</sub>, 4, 31; 2001 LE<sub>6</sub>, 6, 1, 0; 2002 CZ<sub>46</sub>, 6, 1, 0; 2002 OA<sub>22</sub>, 6, 1, 0; 2002 QF<sub>15</sub>, 16, 3, 28; 2002 YB<sub>12</sub>, 6, 1, 0; 2003 FT<sub>3</sub>, 10, 2, 22; 2003 GY<sub>12</sub>, 2, 1; 2003 KP<sub>2</sub>, 2, 1, 0; 2003 KR<sub>18</sub>, 16, 3, 37; 2003 LS<sub>3</sub>, 10, 2, 1; 2003 MT<sub>2</sub>, 6, 1, 0; 2003 MK<sub>4</sub>, 6, 1, 0; 2003 NL<sub>7</sub>, 3, 1, 0; 2003 OR<sub>14</sub>, 3, 1, 0; 2003 RZ<sub>5</sub>, 5, 1, 0; (238), 4, 1, 0; (420), 6, 1, 0; (2100), 7, 1, 0; (4487), 5, 1, 0; (4587), 6, 1, 0; (4854), 4, 1, 0; (5863), 4, 1, 0; (7336), 3, 1, 0; (18012), 3, 1, 0; (21867), 8, 2, 1; (24445), 6, 1, 0; (37655), 10, 1, 0; (60178), 4, 1, 0; [268, 36, 0\*, 2003/07/06–2003/09/04]

### 246 Kleť Observatory-KLENOT

J. Tichá, Hvězdárna Kleť, Zátkovo nábreží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]

Observers M. Tichý, M. Kočer, J. Tichá, BBC Star Party  
1.06-m KLENOT Telescope + CCD  
USNO-A2.0

1974 CB<sub>11</sub>, 2, 1; 1981 EG<sub>13</sub>, 4, 1, 0; 1989 UQ<sub>6</sub>, 6, 1, 0; 1996 VO<sub>5</sub>, 4, 1, 0; 1996 XA<sub>31</sub>, 6, 1, 0; 1997 AE<sub>12</sub>, 6, 1, 0; 1997 SZ<sub>4</sub>, 6, 1, 0; 1998 FW<sub>57</sub>, 5, 1, 0; 1998 FV<sub>122</sub>, 8, 1, 0; 1998 RO<sub>66</sub>, 5, 1, 0; 1998 SE<sub>72</sub>, 6, 1, 0; 1999 JZ<sub>41</sub>, 8, 1, 0; 1999 LK<sub>20</sub>, 7, 1, 0; 1999 NP<sub>27</sub>, 6, 1, 0; 1999 RC<sub>31</sub>, 4, 1, 0; 1999 RU<sub>41</sub>, 6, 1, 0; 1999 RK<sub>194</sub>, 16, 2, 1; 1999 TF<sub>211</sub>, 10, 2, 1; 1999 UC<sub>47</sub>, 8, 1, 0; 1999 VS<sub>6</sub>, 11, 2, 1; 1999 VZ<sub>67</sub>, 6, 1, 0; 2000 AQ<sub>1</sub>, 6, 1, 0; 2000 AA<sub>29</sub>, 6, 1, 0; 2000 AP<sub>52</sub>, 7, 1, 0; 2000 EA<sub>7</sub>, 10, 1, 0; 2000 PG<sub>26</sub>, 13, 2, 1; 2000 RS<sub>11</sub>, 11, 2, 9; 2000 RS<sub>35</sub>, 6, 1, 0; 2000 WQ<sub>4</sub>, 6, 1, 0; 2000 WL<sub>34</sub>, 5, 1, 0; 2000 YN<sub>49</sub>, 6, 1, 0; 2000 YO<sub>80</sub>, 8, 1, 0; 2001 AJ<sub>31</sub>, 6, 1, 0; 2001 DV<sub>92</sub>, 3, 1, 0; 2001 FJ<sub>2</sub>, 6, 1, 0; 2001 FB<sub>7</sub>, 9, 2, 1; 2001 FO<sub>68</sub>, 6, 1, 0; 2001 FH<sub>82</sub>, 7, 1, 0; 2001 PM<sub>9</sub>, 3, 1, 0; 2001 SG<sub>276</sub>, 10, 2, 1; 2002 AA<sub>52</sub>, 6, 1, 0; 2002 BC<sub>30</sub>, 6, 1, 0; 2002 DD<sub>4</sub>, 9, 2, 1; 2002 ES<sub>2</sub>, 14, 2, 15; 2002 EB<sub>71</sub>, 6, 1, 0; 2002 EF<sub>84</sub>, 6, 1, 0; 2002 EH<sub>86</sub>, 6, 1, 0; 2002 GR<sub>20</sub>, 8, 1, 0; 2002 GB<sub>56</sub>, 6, 1, 0; 2002 GE<sub>96</sub>, 12, 2, 2; 2002 GU<sub>102</sub>, 6, 1, 0; 2002 GL<sub>125</sub>, 6, 1, 0; 2002 JA<sub>16</sub>, 11, 2, 2; 2002 OA<sub>22</sub>, 6, 1, 0; 2002 PN<sub>34</sub>, 5, 1, 0; 2002 QF<sub>12</sub>, 10, 1, 0; 2002 RR<sub>25</sub>, 12, 2, 1; 2002 RN<sub>111</sub>, 6, 1, 0; 2002 SR<sub>41</sub>, 9, 2, 1; 2002 TR<sub>126</sub>, 6, 1, 0; 2002 TS<sub>126</sub>, 6, 1, 0; 2002 TX<sub>345</sub>, 6, 1, 0; 2003 KW<sub>17</sub>, 8, 1, 0; 2003 KP<sub>18</sub>, 6, 1, 0; 2003 LG<sub>6</sub>, 6, 1, 0; 2003 MM<sub>12</sub>, 2, 4; 2003 MT<sub>10</sub>, 2, 4; 2003 ME<sub>1</sub>, 6, 1, 0; 2003 MT<sub>2</sub>, 6, 1, 0; 2003 MY<sub>2</sub>, 2, 1, 0; 2003 MH<sub>4</sub>, 6, 1, 0; 2003 MK<sub>4</sub>, 6, 1, 0; 2003 MZ<sub>6</sub>, 8, 1, 0; 2003 MA<sub>7</sub>, 6, 1, 0; 2003 MB<sub>7</sub>, 6, 1, 0; 2003 MC<sub>7</sub>, 6, 1, 0; 2003 MD<sub>7</sub>, 6, 1, 0; 2003 ME<sub>7</sub>, 8, 1, 0; 2003 MF<sub>7</sub>, 7, 1, 0; 2003 MV<sub>7</sub>, 9, 1, 0; 2003 NB<sub>6</sub>, 1, 0; 2003 NA<sub>7</sub>, 5, 1, 0; 2003 NL<sub>7</sub>, 12, 2, 5; 2003 OC<sub>3</sub>, 7, 1, 0; 2003 OS<sub>6</sub>, 5, 1, 0; 2003 OT<sub>13</sub>, 16, 3, 4; 2003 OR<sub>14</sub>, 12, 2, 21; 2003 OD<sub>18</sub>, 4, 1, 0; 2003 PJ<sub>5</sub>, 5, 1, 0; 2003 PQ<sub>3</sub>, 29, 4, 24; 2003 PA<sub>2</sub>, 6, 1, 0; 2003 PY<sub>3</sub>, 5, 1, 0; 2003 PM<sub>5</sub>, 10, 1, 0; 2003 PN<sub>5</sub>, 8, 2, 3; 2003 PA<sub>9</sub>, 13, 2, 1; 2003 PM<sub>9</sub>, 18, 3, 2; 2003 PQ<sub>9</sub>, 6, 1, 0; 2003 PY<sub>10</sub>, 8, 2, 1; 2003 PA<sub>11</sub>, 5, 40, 5, 21; 2003 PB<sub>11</sub>, 16, 3, 2; 2003 PC<sub>11</sub>, 12, 2, 1; 2003 QA<sub>9</sub>, 9, 1, 0; 2003 QN<sub>3</sub>, 8, 2, 1; 2003 QU<sub>5</sub>, 5, 1, 0; 2003 QB<sub>10</sub>, 4, 1, 0; 2003 QC<sub>10</sub>, 6, 1, 0; 2003 QO<sub>10</sub> \*, 9, 2, 1; 2003 QP<sub>10</sub> \*, 16, 3, 14; 2003 QQ<sub>10</sub>, 16, 3, 4; 2003 QU<sub>10</sub>, 3, 1, 0; 2003 QV<sub>10</sub>, 6, 1, 0; 2003 QW<sub>10</sub>, 6, 1, 0; 2003 QX<sub>10</sub>, 6, 1, 0; 2003 QW<sub>13</sub>, 14, 2, 1; 2003 QU<sub>27</sub> \*, 11, 2, 1; 2003 QV<sub>27</sub> \*, 12, 3, 13; 2003 QW<sub>27</sub> \*, 25, 4, 4; 2003 QX<sub>27</sub> \*, 26, 3, 3; 2003 QY<sub>29</sub>, 11, 3, 11; 2003 QZ<sub>29</sub>, 12, 2, 2; 2003 QA<sub>30</sub>, 20, 4, 12; 2003 QB<sub>30</sub>, 11, 2, 1; 2003 QW<sub>30</sub>, 17, 3, 12; 2003 QY<sub>30</sub>, 5, 1, 0; 2003 QZ<sub>30</sub>, 4, 1, 0; 2003 QA<sub>31</sub>, 12, 3, 11; 2003 QB<sub>31</sub>, 9, 2, 10; 2003 QY<sub>42</sub>, 19, 2, 1; 2003 QM<sub>46</sub>, 14, 2, 1; 2003 QK<sub>47</sub>, 6, 1, 0; 2003 QM<sub>47</sub>, 7, 1, 0; 2003 QN<sub>47</sub>, 5, 1, 0; 2003 QO<sub>47</sub> \*, 11, 2, 3; 2003 QQ<sub>47</sub>, 5, 1, 0; 2003 QT<sub>69</sub> \*, 19, 3, 9; 2003 QU<sub>69</sub> \*, 14, 2, 1; 2003 QF<sub>70</sub>, 5, 1, 0; 2003 QB<sub>90</sub>, 10, 2, 9; 2003 QO<sub>104</sub>, 8, 2, 1; 2003 RS<sub>1</sub>, 7, 1, 0; 2003 RC<sub>2</sub>, 6, 1, 0; 2003 RE<sub>2</sub>, 6, 1, 0; 2003 RD<sub>5</sub>, 5, 1, 0; 2003 RE<sub>5</sub>, 6, 1, 0; 2003 RY<sub>5</sub>, 11, 2, 1; 2003 RZ<sub>5</sub>, 9, 2, 1; 2003 RA<sub>6</sub>, 6, 1, 0; 2003 RD<sub>6</sub>, 5, 1, 0; 2003 RL<sub>7</sub>, 6, 1, 0; 2003 RW<sub>7</sub>, 6, 1, 0; 4079 T-2, 2, 1, 0; (791), 5, 1, 0; (2607), 6, 1, 0; (2838), 8, 1, 0; (3096), 12, 1,

0; (4259), 6, 1, 0; (4965), 6, 1, 0; (5226), 6, 1, 0; (5350), 8, 1, 0; (5679), 12, 2, 1; (7090), 6, 1, 0; (7870), 6, 1, 0; (8448), 6, 1, 0; (9394), 6, 1, 0; (10797), 16, 2, 5; (11245), 16, 2, 1; (11838), 7, 1, 0; (11967), 8, 1, 0; (12073), 4, 1, 0; (12276), 7, 1, 0; (12442), 6, 1, 0; (12728), 8, 1, 0; (12855), 6, 1, 0; (14248), 6, 1, 0; (15515), 6, 1, 0; (18357), 7, 1, 0; (18618), 6, 1, 0; (19118), 8, 1, 0; (19158), 8, 1, 0; (19373), 6, 1, 0; (19976), 16, 2, 1; (20224), 6, 1, 0; (20251), 7, 1, 0; (20504), 5, 1, 0; (21191), 5, 1, 0; (21411), 6, 1, 0; (21985), 6, 1, 0; (21997), 6, 1, 0; (22075), 6, 1, 0; (23915), 10, 2, 1; (24316), 7, 1, 0; (26663), 6, 1, 0; (37549), 6, 1, 0; (37567), 6, 1, 0; (37655), 10, 2, 5; (38850), 6, 1, 0; (38877), 13, 2, 1; (39366), 8, 1, 0; (39916), 12, 2, 1; (40915), 6, 1, 0; (42845), 5, 1, 0; (45893), 8, 1, 0; (48312), 3, 1, 0; (54420), 8, 1, 0; [1694, 204, 11\*, 2002/09/04–2003/09/06]

### 247 Roving Observer

P. Keller, Kornweg 9a, D-93080 Pentling, Germany [Philipp@astrooptik.com]

Observers P. Keller, C. Fuchs

Measurer P. Keller

0.8-m  $f/4.4$  reflector + CCD

(3200), 6, 1, 0; [6, 1, 0\*, 2002/01/05]

### 250 Hubble Space Telescope

M. McMaster, Space Telescope Science Institute, 3700 San Martin Drive,  
Baltimore, MD 21218, U.S.A. [mcmaster@stsci.edu]

Measurers G. Bernstein, D. Trilling

2.4-m reflector +  $f/28.3$  CCD, 2.4-m reflector +  $f/12.9$  CCD

GSC

1999 AP<sub>8</sub>, 8, 1, 0; 2000 FV<sub>53</sub>, 2, 1, 0; 2003 BF<sub>91</sub> \*, 20, 5, 13; 2003 BG<sub>91</sub> \*, 24, 5, 13; 2003 BH<sub>91</sub> \*, 24, 5, 13; [78, 5, 3\*, 2001/09/10–2003/02/08]

### 260 Siding Spring-DSS

A. Gnädig, c/o Archenhhold-Sternwarte, Alt-Treptow 1, D-12435 Berlin, Germany [gnadig@mind.de] (1)

A. Boattini, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome, Italy [boattini@ias.rm.cnr.it] (2)

V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy [v.casulli@priminet.it] (3)

A. Lowe, 1412 70 Avenue SW, Calgary, AB T2V 0R3, Canada [andrew.lowe@pancanadian.ca] (4)

E. Colombini, Via Manfredini 26, I-41043 Formigine (MO), Italy [ermes.colombini@tin.it] (5)

Measurers A. Gnädig, A. Boattini, G. Forti, M. Tombelli, V. S. Casulli, A. Lowe, E. Colombini

1.2-m Schmidt

USNO-SA2.0, USNO-A2.0, USNO-SA1.0

{1} 1999 SP<sub>3</sub>, 2, 1, 0; (59249), 2, 1, 0; (59975), 2, 1, 0; [6, 3, 0\*, 1977/07/20–1987/09/16]

{2} 1995 CU<sub>2</sub>, 2, 1, 0; 1997 AE<sub>12</sub>, 2, 1, 0; 1999 BG<sub>4</sub>, 1, 1, 0; 1999 GZ<sub>2</sub>, 2, 1, 0; 1999 TX<sub>11</sub>, 2, 1, 0; 1999 WC<sub>9</sub>, 2, 1, 0; 2003 LC<sub>5</sub>, 2, 1, 0; [13, 7, 0\*, 1976/05/27–1992/07/28]

{3} 2002 JL<sub>61</sub>, 2, 1, 0; [2, 1, 0\*, 1991/03/19]

{4} 1998 GF<sub>9</sub>, 4, 2, 6207; 1998 QE<sub>68</sub>, 2, 1, 0; 1998 SR<sub>136</sub>, 2, 1, 0; 1999 NQ<sub>26</sub>, 2, 1, 0; 1999 XH<sub>132</sub>, 2, 1, 0; 1999 YO<sub>8</sub>, 4, 5820; 2000 JL<sub>24</sub>, 2, 1, 0; 2000 RS<sub>67</sub>, 2, 1, 0; 2000 WV<sub>87</sub>, 2, 1, 0; 2000 XE<sub>15</sub>, 2, 1, 0; 2001 FX<sub>152</sub>, 4, 2, 2505; 2001 TX<sub>105</sub>, 2, 1, 0; 2001 VJ<sub>69</sub>, 2, 1, 0; 2001 YQ<sub>82</sub>, 2, 1, 0; 2002 BP<sub>2</sub>, 2, 1, 0; 2002 EQ<sub>126</sub>, 2, 1, 0; 2002 VP<sub>84</sub>, 2, 1, 0; 2002 YG<sub>32</sub>, 4, 2, 56; 2003 BQ<sub>2</sub>, 2, 1, 0; 2003 BU<sub>21</sub>, 8, 4, 1495; 2003 FA<sub>79</sub>, 2, 1, 0; (905), 2, 1, 0; (2538), 2, 1, 0; (3133), 2, 1, 0; (13951), 2, 1, 0; (19884), 2, 1, 0; (26731), 2, 1, 0; (29824), 2, 1, 0; (30811), 2, 1, 0; (31899), 2, 1, 0; (31903), 2, 1, 0; (32537), 2, 1, 0; (32816), 4, 2, 1935; (34671), 2, 1, 0; (36504), 4, 2, 1; [92, 35, 0\*, 1974/06/18–1996/09/15]

{5} 1995 KF<sub>1</sub>, 4, 2, 25; 1998 FB<sub>71</sub>, 4, 2, 2; 1998 FU<sub>119</sub>, 2, 1, 0; 1998 QC<sub>61</sub>, 4, 2, 1; 1999 CL<sub>79</sub>, 2, 1, 0; 1999 NC<sub>8</sub>, 2, 1, 0; 1999 RT<sub>118</sub>, 2, 1, 0; 1999 TA<sub>101</sub>, 2, 1, 0; 2000 QE<sub>76</sub>, 4, 2, 551; 2000 SQ<sub>358</sub>, 4, 2, 86; 2000 WP<sub>22</sub>, 3, 2, 1; 2000 YT<sub>7</sub>, 2, 1, 0; 2002 BL<sub>8</sub>, 2, 1, 0; [37, 13, 0\*, 1981/05/01–1985/06/15]

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R. Haver, A. Pelloni, E. Colombini, E. Rhoads

1.2-m Schmidt

USNO-A2.0, USNO-SA1.0

{12} (395), 2, 1, 0; [2, 1, 0\*, 1954/09/06]

{1} 1999 XT<sub>155</sub>, 1, 1, 0; 1999 XH<sub>166</sub>, 2, 1, 0; (22871), 2, 1, 0; (29629), 1, 1, 0; (47163), 2, 1, 0; (49793), 2, 1, 0; (59626), 2, 1, 0; (60263), 2, 1, 0; [14, 8, 0\*, 1952/01/31–1996/03/19]{2} 1993 BX<sub>3</sub>, 2, 1, 0; 1997 AM<sub>24</sub>, 1, 1, 0; 1998 SU<sub>61</sub>, 2, 1, 0; 1999 GZ, 8, 4, 1451; 1999 GG<sub>1</sub>, 2, 1, 0; 1999 ST<sub>9</sub>, 2, 1, 0; 2001 QG<sub>220</sub>, 2, 1, 0; [19, 7, 0\*, 1954/11/23–1998/01/23]{3} 2002 FE<sub>15</sub>, 2, 1, 0; [2, 1, 0\*, 1991/04/15]

{4} 1988 NE, 2, 1, 0; 1991 TK<sub>2</sub>, 2, 1, 0; 1996 SZ<sub>7</sub>, 2, 1, 0; 1997 EN<sub>11</sub>, 2, 1, 0; 1997 VQ<sub>2</sub>, 4, 2, 1510; 1997 WL<sub>13</sub>, 4, 2, 13547; 1998 GY<sub>3</sub>, 2, 1, 0; 1998 QH<sub>79</sub>, 8, 4, 13574; 1998 SR<sub>136</sub>, 6, 3, 1474; 1999 GZ<sub>19</sub>, 4, 2, 539; 1999 XH<sub>132</sub>, 2, 1, 0; 2000 AM<sub>77</sub>, 2, 1, 0; 2000 AY<sub>170</sub>, 2, 1, 0; 2000 JL<sub>24</sub>, 2, 1, 0; 2000 SD<sub>96</sub>, 2, 1, 0; 2000 UA<sub>52</sub>, 2, 1, 0; 2000 WV<sub>87</sub>, 10, 5, 17182; 2000 XE<sub>15</sub>, 4, 2, 15469; 2001 QM<sub>151</sub>, 2, 1, 0; 2001 VJ<sub>69</sub>, 4, 2, 466; 2003 AF<sub>40</sub>, 6, 3, 1418; 2003 BU<sub>21</sub>, 4, 2, 36; 2003 EF<sub>47</sub>, 2, 1, 0; 2003 GH<sub>17</sub>, 2, 1, 0; 2003 HN<sub>2</sub>, 2, 1, 0; (22152), 2, 1, 0; (26715), 2, 1, 0; (26731), 4, 2, 3489; (30025), 6, 3, 2033; (31140), 2, 1, 0; (33864), 2, 1, 0; (34671), 4, 2, 30; (43546), 4, 2, 433; [110, 33, 0\*, 1950/04/22–1997/05/08]

{5} 1995 KF<sub>1</sub>, 2, 1, 0; 1998 QC<sub>61</sub>, 2, 1, 0; 1999 JQ<sub>90</sub>, 2, 1, 0; 1999 RT<sub>118</sub>, 2, 1, 0; 2000 QG<sub>35</sub>, 2, 1, 0; 2000 RU<sub>66</sub>, 2, 1, 0; 2000 VP<sub>35</sub>, 2, 1, 0; 2000 VA<sub>53</sub>, 2, 1, 0; 2000 WP<sub>22</sub>, 2, 1, 0; 2000 YT<sub>7</sub>, 2, 1, 0; 2002 AD<sub>122</sub>, 2, 1, 0; [22, 11, 0\*, 1951/12/01–1995/10/19]

{9} 2003 MC<sub>7</sub>, 4, 1, 0; [4, 1, 0\*, 1953/04/13]**262 European Southern Observatory-DSS**

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Measurer A. Lowe

1.0-m Schmidt

USNO-A2.0

{4} 1991 TP<sub>15</sub>, 2, 1, 0; (2402), 2, 1, 0; (3284), 2, 1, 0; (11065), 2, 1, 0; (11466), 2, 1, 0; (14752), 2, 1, 0; (24738), 2, 1, 0; [14, 7, 0\*, 1985/07/12]**290 Mt. Graham**

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[bryan@mailaps.org]

Observers W. Ryan, C. Martinez

1.8-m  $f/9.0$  reflector + CCD

USNO-SA.2

1999 TD<sub>205</sub>, 3, 1, 0; 2000 XL<sub>14</sub>, 9, 1, 0; 2003 KS<sub>2</sub>, 5, 2, 1; 2003 NJ<sub>5</sub> \*, 13, 4, 4; 2003 NK<sub>5</sub> \*, 14, 4, 4; 2003 NL<sub>5</sub> \*, 6, 3, 2; 2003 NM<sub>5</sub> \*, 13, 3, 2; 2003 NZ<sub>5</sub> \*, 11, 3, 2; 2003 NG<sub>6</sub> \*, 7, 2, 1; (1933), 8, 2, 2; (3703), 18, 3, 2; (6798), 9, 2, 1; [116, 12, 6\*, 2003/07/04–2003/07/09]

**291 LPL/Spacewatch II**

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U.S.A. [bob@lpl.arizona.edu]

Observers R. S. McMillan, M. Block, J. V. Scotti, A. S. Descour

Measurers R. S. McMillan, M. Block, A. S. Descour, A. E. Gleason

1.8-m  $f/2.7$  reflector + CCD

USNO-SA2.0

1981 RR<sub>1</sub>, 3, 1, 0; 1990 TW<sub>10</sub>, 3, 1, 0; 1994 AC<sub>9</sub>, 3, 1, 0; 1994 AB<sub>17</sub>, 9, 3, 55; 1994 PJ<sub>16</sub>, 3, 1, 0; 1994 WM<sub>7</sub>, 6, 2, 462; 1995 SA<sub>3</sub>, 3, 1, 0; 1995 SF<sub>38</sub>, 3, 1, 0; 1995 UT<sub>25</sub>, 3, 1, 0; 1996 AD<sub>6</sub>, 3, 1, 0; 1996 EP<sub>7</sub>, 6, 2, 36; 1996 EB<sub>8</sub>, 3, 1, 0; 1996 RW<sub>1</sub>, 3, 1, 0; 1996 SK<sub>3</sub>, 1, 0; 1996 TW<sub>28</sub>, 3, 1, 0; 1996 TK<sub>99</sub>, 3, 1, 0; 1996 TZ<sub>36</sub>, 6, 2, 424; 1996 TQ<sub>54</sub>, 3, 1, 0; 1997 BK<sub>2</sub>, 6, 2, 4; 1997 CK<sub>11</sub>, 6, 2, 4; 1997 GJ<sub>1</sub>, 3, 1, 0; 1997 GV<sub>10</sub>, 3, 1, 0; 1997 GD<sub>25</sub>, 3, 1, 0; 1997 SC<sub>7</sub>, 3, 1, 0; 1997 SM<sub>26</sub>, 3, 1, 0; 1997 XV<sub>6</sub>, 3, 1, 0; 1998 AM<sub>3</sub>, 3, 1, 0; 1998 BT<sub>36</sub>, 3, 1, 0; 1998 CE<sub>5</sub>, 3, 1, 0; 1998 DB<sub>1</sub>, 3, 1, 0; 1998 EU<sub>8</sub>, 3, 1, 0; 1998 FS<sub>57</sub>, 3, 1, 0; 1998 FW<sub>60</sub>, 3, 1, 0; 1998 FT<sub>64</sub>, 3, 1, 0; 1998 HP<sub>79</sub>, 3, 1, 0; 1998 HU<sub>138</sub>, 3, 1, 0; 1998 QP<sub>46</sub>, 3, 1, 0; 1998 RO<sub>14</sub>, 3, 1, 0; 1998 RF<sub>24</sub>, 3, 1, 0; 1998 RB<sub>48</sub>, 3, 1, 0; 1998 RO<sub>50</sub>, 3, 1, 0; 1998 RU<sub>58</sub>, 3, 1, 0; 1998 RV<sub>78</sub>, 3, 1, 0; 1998 SQ<sub>9</sub>, 6, 2, 522; 1998 SQ<sub>13</sub>, 3, 1, 0; 1998 SL<sub>22</sub>, 3, 1, 0; 1998 SW<sub>25</sub>, 3, 1, 0; 1998 SW<sub>27</sub>, 3, 1, 0; 1998 SV<sub>31</sub>, 3, 1, 0; 1998 SA<sub>36</sub>, 2, 1, 0; 1998 SY<sub>70</sub>, 3, 1, 0; 1998 SC<sub>76</sub>, 3, 1, 0; 1998 SP<sub>126</sub>, 3, 1, 0; 1998 SU<sub>165</sub>, 3, 1, 0; 1998 TC<sub>22</sub>, 6, 2, 13; 1998 VX<sub>42</sub>, 3, 1, 0; 1998 VG<sub>53</sub>, 3, 1, 0; 1998 YZ<sub>2</sub>, 3, 1, 0; 1999 AJ<sub>9</sub>, 3, 1, 0; 1999 CJ<sub>72</sub>, 3, 1, 0; 1999 HZ<sub>6</sub>, 6, 2, 4; 1999 NU<sub>5</sub>, 3, 1, 0; 1999 NX<sub>45</sub>, 3, 1, 0; 1999 NT<sub>52</sub>, 3, 1, 0; 1999 NX<sub>56</sub>, 3, 1, 0; 1999 QR<sub>2</sub>, 3, 1, 0; 1999 RN<sub>3</sub>, 3, 1, 0; 1999 RW<sub>11</sub>, 3, 1, 0; 1999 RD<sub>39</sub>, 3, 1, 0; 1999 RS<sub>46</sub>, 3, 1, 0; 1999 RT<sub>48</sub>, 3, 1, 0; 1999 RL<sub>81</sub>, 3, 1, 0; 1999 RL<sub>87</sub>, 3, 1, 0; 1999 RM<sub>98</sub>, 3, 1, 0; 1999 RY<sub>106</sub>, 6, 2, 5; 1999 RL<sub>107</sub>, 3, 1, 0; 1999 RB<sub>144</sub>, 3, 1, 0; 1999 RF<sub>173</sub>, 3, 1, 0; 1999 RN<sub>197</sub>, 3, 1, 0; 1999 RV<sub>210</sub>, 3, 1, 0; 1999 RG<sub>234</sub>, 3, 1, 0; 1999 RJ<sub>242</sub>, 3, 1, 0; 1999 TW<sub>7</sub>, 3, 1, 0; 1999 TN<sub>27</sub>, 3, 1, 0; 1999 TY<sub>27</sub>, 3, 1, 0; 1999 TO<sub>37</sub>, 3, 1, 0; 1999 TF<sub>59</sub>, 3, 1, 0; 1999 TU<sub>71</sub>, 3, 1, 0; 1999 TY<sub>93</sub>, 3, 1, 0; 1999 TK<sub>102</sub>, 3, 1, 0; 1999 TO<sub>103</sub>, 3, 1, 0; 1999 TN<sub>114</sub>, 3, 1, 0; 1999 TR<sub>133</sub>, 3, 1, 0; 1999 TX<sub>169</sub>, 3, 1, 0; 1999 TA<sub>170</sub>, 3, 1, 0; 1999 TC<sub>173</sub>, 3, 1, 0; 1999 TW<sub>177</sub>, 3, 1, 0; 1999 TA<sub>246</sub>, 3, 1, 0; 1999 TL<sub>270</sub>, 6, 2, 482; 1999 TM<sub>289</sub>, 3, 1, 0; 1999 UV<sub>3</sub>, 3, 1, 0; 1999 UL<sub>6</sub>, 3, 1, 0; 1999 UV<sub>9</sub>, 3, 1, 0; 1999 UE<sub>29</sub>, 3, 1, 0; 1999 US<sub>33</sub>, 6, 2, 36; 1999 VU<sub>26</sub>, 3, 1, 0; 1999 VA<sub>33</sub>, 3, 1, 0; 1999 VR<sub>53</sub>, 3, 1, 0; 1999 VH<sub>60</sub>, 3, 1, 0; 1999 VF<sub>107</sub>, 3, 1, 0; 1999 VW<sub>121</sub>, 3, 1, 0; 1999 VA<sub>160</sub>, 3, 1, 0; 1999 VG<sub>176</sub>, 3, 1, 0; 1999 WH<sub>2</sub>, 6, 2, 24; 1999 WT<sub>2</sub>, 6, 2, 4; 1999 XZ<sub>42</sub>, 3, 1, 0; 1999 XS<sub>43</sub>, 3, 1, 0; 1999 XE<sub>77</sub>, 3, 1, 0; 1999 XN<sub>78</sub>, 3, 1, 0; 1999 XW<sub>92</sub>, 3, 1, 0; 1999 XZ<sub>107</sub>, 3, 1, 0; 1999 XZ<sub>191</sub>, 3, 1, 0; 1999 XX<sub>192</sub>, 3, 1, 0; 1999 XT<sub>204</sub>, 3, 1, 0; 2000 AO<sub>78</sub>, 3, 1, 0; 2000 AO<sub>171</sub>, 3, 1, 0; 2000 AE<sub>188</sub>, 3, 1, 0; 2000 AO<sub>202</sub>, 3, 1, 0; 2000 AN<sub>206</sub>, 3, 1, 0; 2000 AF<sub>225</sub>, 6, 2, 13; 2000 BA<sub>3</sub>, 3, 1, 0; 2000 CR<sub>11</sub>, 3, 1, 0; 2000 CO<sub>24</sub>, 3, 1, 0; 2000 CL<sub>35</sub>, 3, 1, 0; 2000 CP<sub>38</sub>, 3, 1, 0; 2000 CS<sub>68</sub>, 6, 2, 14; 2000 DC<sub>11</sub>, 3, 1, 0; 2000 EY<sub>66</sub>, 3, 1, 0; 2000 EJ<sub>112</sub>, 3, 1, 0; 2000 FB<sub>29</sub>, 3, 1, 0; 2000 FT<sub>32</sub>, 3, 1, 0; 2000 FO<sub>44</sub>, 3, 1, 0; 2000 FW<sub>60</sub>, 3, 1, 0; 2000 GJ<sub>7</sub>, 3, 1, 0; 2000 GY<sub>30</sub>, 3, 1, 0; 2000 GJ<sub>35</sub>, 6, 2, 13; 2000 GS<sub>171</sub>, 3, 1, 0; 2000 HA<sub>4</sub>, 3, 1, 0; 2000 HP<sub>13</sub>, 3, 1, 0; 2000 HN<sub>62</sub>, 6, 2, 20; 2000 NJ<sub>28</sub>, 3, 1, 0; 2000 OW<sub>40</sub>, 3, 1, 0; 2000 PJ<sub>6</sub>, 6, 2, 1; 2000 QP<sub>54</sub>, 3, 1, 0; 2000 QE<sub>203</sub>, 3, 1, 0; 2000 QD<sub>209</sub>, 3, 1, 0; 2000 QW<sub>231</sub>, 3, 1, 0; 2000 RE<sub>31</sub>, 3, 1, 0; 2000 RB<sub>51</sub>, 3, 1, 0; 2000 SW<sub>42</sub>, 3, 1, 0; 2000 SG<sub>57</sub>, 3, 1, 0; 2000 SU<sub>59</sub>, 3, 1, 0; 2000 SV<sub>79</sub>, 3, 1, 0; 2000 ST<sub>119</sub>, 3, 1, 0; 2000 ST<sub>121</sub>, 3, 1, 0; 2000 SY<sub>126</sub>, 3, 1, 0; 2000 SG<sub>138</sub>, 3, 1, 0; 2000 SY<sub>177</sub>, 3, 1, 0; 2000 SU<sub>180</sub>, 6, 2, 1; 2000 SU<sub>191</sub>, 3, 1, 0; 2000 SC<sub>200</sub>, 3, 1, 0; 2000 SH<sub>261</sub>, 3, 1, 0; 2000 SH<sub>280</sub>, 3, 1, 0; 2000 SQ<sub>295</sub>, 3, 1, 0; 2000 SW<sub>304</sub>, 3, 1, 0; 2000 SH<sub>336</sub>, 3, 1, 0; 2000 TR<sub>55</sub>, 3, 1, 0; 2000 TT<sub>67</sub>, 3, 1, 0; 2000 TF<sub>68</sub>, 3, 1, 0; 2000 UM<sub>63</sub>, 3, 1, 0; 2000 UY<sub>66</sub>, 3, 1, 0; 2000 UB<sub>95</sub>, 3, 1, 0; 2000 UJ<sub>101</sub>, 3, 1, 0; 2000 UV<sub>107</sub>, 3, 1, 0; 2000 WS<sub>4</sub>, 3, 1, 0; 2000 WR<sub>21</sub>, 3, 1, 0; 2000 WQ<sub>40</sub>, 3, 1, 0; 2000 WY<sub>51</sub>, 3, 1, 0; 2000 WN<sub>56</sub>, 6, 2, 474; 2000 WA<sub>114</sub>, 3, 1, 0; 2000 WA<sub>116</sub>, 3, 1, 0; 2000 WH<sub>134</sub>, 3, 1, 0; 2000 WX<sub>143</sub>, 3, 1, 0; 2000 WK<sub>147</sub>, 3, 1, 0; 2000 WR<sub>153</sub>, 3, 1, 0; 2000 WH<sub>166</sub>, 3, 1, 0; 2000 WM<sub>192</sub>, 3, 1, 0; 2000 XE<sub>3</sub>, 3, 1, 0; 2000 XG<sub>47</sub>, 3, 1, 0; 2000 YZ<sub>19</sub>, 3, 1, 0; 2000 YL<sub>22</sub>, 3, 1, 0; 2000 YT<sub>32</sub>, 3, 1, 0; 2000 YD<sub>36</sub>, 3, 1, 0; 2000 YO<sub>37</sub>, 3, 1, 0; 2000 YX<sub>41</sub>, 3, 1, 0; 2000 YO<sub>43</sub>, 3, 1, 0; 2000 YD<sub>79</sub>, 3, 1, 0; 2000 YV<sub>84</sub>, 3, 1, 0; 2000 YG<sub>92</sub>, 3, 1, 0; 2000 YG<sub>93</sub>, 3, 1, 0; 2000 YW<sub>99</sub>, 3, 1, 0; 2000 YL<sub>107</sub>, 3, 1, 0; 2000 YO<sub>107</sub>, 3, 1, 0; 2000 YS<sub>113</sub>, 3, 1, 0; 2000 YK<sub>115</sub>, 3, 1, 0; 2000 YK<sub>117</sub>, 3, 1, 0; 2000 YR<sub>128</sub>, 3, 1, 0; 2001 AZ<sub>1</sub>, 3, 1, 0; 2001 AM<sub>3</sub>, 3, 1, 0; 2001 AQ<sub>25</sub>, 6, 2, 25; 2001 AO<sub>29</sub>, 3, 1, 0; 2001 BW<sub>14</sub>, 3, 1, 0; 2001 BN<sub>30</sub>, 3, 1, 0; 2001 BR<sub>62</sub>, 3, 1, 0; 2001 BY<sub>70</sub>, 3, 1, 0; 2001 BL<sub>74</sub>, 3, 1, 0; 2001 CO<sub>3</sub>, 3, 1, 0; 2001 CH<sub>5</sub>, 3, 1, 0; 2001 CZ<sub>5</sub>, 3, 1, 0; 2001 CQ<sub>13</sub>, 6, 2, 4; 2001 CQ<sub>26</sub>, 3, 1, 0; 2001 DP<sub>3</sub>, 3, 1, 0; 2001 DA<sub>15</sub>, 3, 1, 0; 2001 DR<sub>45</sub>, 3, 1, 0; 2001 DQ<sub>68</sub>, 3, 1, 0; 2001 DK<sub>73</sub>, 3, 1, 0; 2001 EQ<sub>7</sub>, 3, 1, 0; 2001 FJ<sub>3</sub>, 3, 1, 0; 2001 FR<sub>25</sub>, 3, 1, 0; 2001 FA<sub>37</sub>, 3, 1, 0; 2001 FD<sub>46</sub>, 3, 1, 0; 2001 FL<sub>107</sub>, 3, 1, 0; 2001 FE<sub>108</sub>, 3, 1, 0; 2001 FN<sub>120</sub>, 3, 1, 0; 2001 FA<sub>140</sub>, 3, 1, 0; 2001 FT<sub>144</sub>, 3, 1, 0; 2001 FN<sub>152</sub>, 3, 1, 0; 2001 MD<sub>17</sub>, 3, 1, 0; 2001 QV<sub>329</sub>, 3, 1, 0; 2001 SH<sub>23</sub>, 9, 2, 13; 2001 SU<sub>23</sub>, 3, 1, 0; 2001 SY<sub>44</sub>, 3, 1, 0; 2001 SN<sub>101</sub>, 6, 2, 5; 2001 SE<sub>130</sub>, 3, 1, 0; 2001 SX<sub>189</sub>, 3, 1, 0; 2001 SL<sub>211</sub>, 9, 2, 6; 2001 TX<sub>1</sub>, 3, 1, 0; 2001 TD<sub>147</sub>, 6, 2, 14; 2001 TO<sub>217</sub>, 3, 1, 0; 2001 UF<sub>205</sub>, 3, 1, 0; 2001 VR<sub>113</sub>, 3, 1, 0; 2001 XR<sub>6</sub>, 3, 1, 0; 2001 XA<sub>109</sub>, 3, 1, 0; 2001 XK<sub>126</sub>, 3, 1, 0; 2001 XM<sub>185</sub>, 3, 1, 0; 2001 XR<sub>262</sub>, 3, 1, 0; 2001 YT<sub>71</sub>, 3, 1, 0; 2001 YQ<sub>145</sub>, 3, 1, 0; 2002 AV<sub>3</sub>,

3, 1, 0; 2002 AC<sub>46</sub>, 3, 1, 0; 2002 AX<sub>54</sub>, 3, 1, 0; 2002 AB<sub>62</sub>, 3, 1, 0; 2002 AH<sub>65</sub>, 3, 1, 0; 2002 AN<sub>80</sub>, 3, 1, 0; 2002 AL<sub>136</sub>, 6, 2, 19; 2002 AQ<sub>153</sub>, 3, 1, 0; 2002 AU<sub>161</sub>, 3, 1, 0; 2002 AG<sub>178</sub>, 6, 2, 21; 2002 AY<sub>188</sub>, 3, 1, 0; 2002 AK<sub>194</sub>, 3, 1, 0; 2002 CG<sub>10</sub>, 3, 1, 0; 2002 CA<sub>14</sub>, 3, 1, 0; 2002 CZ<sub>22</sub>, 3, 1, 0; 2002 CF<sub>44</sub>, 3, 1, 0; 2002 CE<sub>54</sub>, 3, 1, 0; 2002 CT<sub>57</sub>, 3, 1, 0; 2002 CG<sub>62</sub>, 3, 1, 0; 2002 CF<sub>70</sub>, 3, 1, 0; 2002 CT<sub>79</sub>, 3, 1, 0; 2002 CV<sub>95</sub>, 3, 1, 0; 2002 CV<sub>97</sub>, 3, 1, 0; 2002 CU<sub>100</sub>, 3, 1, 0; 2002 CO<sub>123</sub>, 3, 1, 0; 2002 CK<sub>124</sub>, 3, 1, 0; 2002 CM<sub>132</sub>, 3, 1, 0; 2002 CY<sub>132</sub>, 3, 1, 0; 2002 CX<sub>145</sub>, 3, 1, 0; 2002 CS<sub>185</sub>, 3, 1, 0; 2002 CL<sub>199</sub>, 3, 1, 0; 2002 CR<sub>204</sub>, 3, 1, 0; 2002 CB<sub>244</sub>, 3, 1, 0; 2002 CE<sub>244</sub>, 3, 1, 0; 2002 CV<sub>295</sub>, 3, 1, 0; 2002 CA<sub>304</sub>, 3, 1, 0; 2002 EN<sub>3</sub>, 3, 1, 0; 2002 EP<sub>6</sub>, 3, 1, 0; 2002 EB<sub>11</sub>, 3, 1, 0; 2002 EO<sub>13</sub>, 3, 1, 0; 2002 EQ<sub>23</sub>, 3, 1, 0; 2002 EZ<sub>25</sub>, 3, 1, 0; 2002 EQ<sub>28</sub>, 3, 1, 0; 2002 EW<sub>29</sub>, 3, 1, 0; 2002 EG<sub>31</sub>, 3, 1, 0; 2002 EL<sub>39</sub>, 3, 1, 0; 2002 EY<sub>39</sub>, 3, 1, 0; 2002 EV<sub>43</sub>, 3, 1, 0; 2002 EF<sub>62</sub>, 3, 1, 0; 2002 EF<sub>67</sub>, 3, 1, 0; 2002 EX<sub>96</sub>, 3, 1, 0; 2002 EW<sub>138</sub>, 3, 1, 0; 2002 ER<sub>142</sub>, 3, 1, 0; 2002 EA<sub>144</sub>, 3, 1, 0; 2002 EF<sub>146</sub>, 3, 1, 0; 2002 FD<sub>9</sub>, 3, 1, 0; 2002 FE<sub>15</sub>, 3, 1, 0; 2002 FU<sub>33</sub>, 3, 1, 0; 2002 FB<sub>35</sub>, 3, 1, 0; 2002 GT<sub>21</sub>, 3, 1, 0; 2002 GP<sub>24</sub>, 3, 1, 0; 2002 GS<sub>47</sub>, 3, 1, 0; 2002 GZ<sub>52</sub>, 3, 1, 0; 2002 GO<sub>78</sub>, 3, 1, 0; 2002 GB<sub>81</sub>, 3, 1, 0; 2002 GK<sub>93</sub>, 3, 1, 0; 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2003 QY<sub>33</sub>, 3, 1, 0; 2003 QP<sub>37</sub>, 3, 1, 0; 2003 QC<sub>38</sub>, 3, 1, 0; 2003 QM<sub>38</sub>, 3, 1, 0; 2003 QW<sub>38</sub>, 3, 1, 0; 2003 QY<sub>39</sub>, 3, 1, 0; 2003 QB<sub>39</sub>, 3, 1, 0; 2003 QF<sub>39</sub>, 3, 1, 0; 2003 QN<sub>40</sub>, 3, 1, 0; 2003 QY<sub>41</sub>, 3, 1, 0; 2003 QV<sub>42</sub>, 3, 1, 0; 2003 QM<sub>44</sub>, 3, 1, 0; 2003 QN<sub>45</sub>, 6, 2, 5; 2003 QQ<sub>45</sub>, 3, 1, 0; 2003 QO<sub>47</sub>, 3, 1, 0; 2003 QW<sub>48</sub>, 3, 1, 0; 2003 QE<sub>58</sub>, 3, 1, 0; 2003 QV<sub>63</sub>, 3, 1, 0; 2003 QQ<sub>66</sub>, 3, 1, 0; 2003 QB<sub>68</sub>, 3, 1, 0; 2003 QC<sub>68</sub>, 3, 1, 0; 2003 QG<sub>68</sub>, 3, 1, 0; 2003 QE<sub>73</sub>, 3, 1, 0; 2003 QW<sub>74</sub>, 3, 1, 0; 2003 QY<sub>80</sub>, 3, 1, 0; 2003 QY<sub>81</sub>, 3, 1, 0; 2003 QP<sub>84</sub>, 3, 1, 0; 2003 QR<sub>84</sub>, 6, 2, 4; 2003 QT<sub>84</sub>, 3, 1, 0; 2003 QV<sub>84</sub>, 3, 1, 0; 2003 QY<sub>84</sub>, 3, 1, 0; 2003 QC<sub>85</sub>, 6, 2, 1; 2003 QE<sub>87</sub>, 3, 1, 0; 2003 QA<sub>88</sub>, 3, 1, 0; 2003 QO<sub>89</sub>, 3, 1, 0; 2003 QZ<sub>89</sub>, 3, 1, 0; 2003 QC<sub>90</sub>, 3, 1, 0; 2003 QD<sub>90</sub>, 3, 1, 0; 2003 QE<sub>90</sub>, 3, 1, 0; 2003 QF<sub>90</sub>, 3, 1, 0; 2003 QG<sub>90</sub>, 3, 1, 0; 2003 QH<sub>90</sub>, 3, 1, 0; 2003 QK<sub>90</sub>, 3, 1, 0; 2003 QL<sub>90</sub>, 3, 1, 0; 2003 QJ<sub>92</sub>, 3, 1, 0; 2003 QL<sub>92</sub> \*, 6, 2, 1; 2003 QH<sub>93</sub>, 3, 1, 0; 2003 QJ<sub>95</sub> \*, 6, 2, 1; 2003 QK<sub>95</sub> \*, 6, 2, 1; 2003 QL<sub>95</sub> \*, 6, 2, 1; 2003 QM<sub>95</sub> \*, 6, 2, 1; 2003 QN<sub>95</sub> \*, 6, 2, 1; 2003 QO<sub>95</sub> \*, 6, 2, 1; 2003 QS<sub>95</sub> \*, 6, 2, 1; 2003 QW<sub>95</sub>, 3, 1, 0; 2003 QX<sub>95</sub>, 3, 1, 0; 2003 QY<sub>95</sub>, 3, 1, 0; 2003 QZ<sub>95</sub>, 3, 1, 0; 2003 QA<sub>96</sub>, 3, 1, 0; 2003 QB<sub>96</sub>, 3, 1, 0; 2003 QR<sub>96</sub> \*, 3, 1, 0; 2003 QS<sub>96</sub> \*, 3, 1, 0; 2003 QT<sub>96</sub> \*, 3, 1, 0; 2003 QU<sub>96</sub> \*, 6, 2, 5; 2003 QV<sub>96</sub> \*, 3, 1, 0; 2003 QW<sub>96</sub> \*, 3, 1, 0; 2003 QX<sub>96</sub> \*, 3, 1, 0; 2003 QY<sub>96</sub> \*, 6, 1, 0; 2003 QZ<sub>96</sub> \*, 3, 1, 0; 2003 QA<sub>97</sub> \*, 3, 1, 0; 2003 QB<sub>97</sub> \*, 3, 1, 0; 2003 QC<sub>97</sub> \*, 3, 1, 0; 2003 QD<sub>97</sub> \*, 3, 1, 0; 2003 QE<sub>97</sub> \*, 3, 1, 0; 2003 QF<sub>97</sub> \*, 3, 1, 0; 2003 QG<sub>97</sub> \*, 3, 1, 0; 2003 QH<sub>97</sub> \*, 3, 1, 0; 2003 QJ<sub>97</sub> \*, 3, 1, 0; 2003 QK<sub>97</sub> \*, 3, 1, 0; 2003 QL<sub>97</sub> \*, 3, 1, 0; 2003 QM<sub>97</sub> \*, 3, 1, 0; 2003 QN<sub>97</sub> \*, 3, 1, 0; 2003 QO<sub>97</sub> \*, 3, 1, 0; 2003 QP<sub>97</sub> \*, 3, 1, 0; 2003 QQ<sub>97</sub> \*, 3, 1, 0; 2003 QR<sub>97</sub> \*, 3, 1, 0; 2003 QS<sub>97</sub> \*, 3, 1, 0; 2003 QT<sub>97</sub> \*, 3, 1, 0; 2003 QU<sub>97</sub> \*, 3, 1, 0; 2003 QV<sub>97</sub> \*, 3, 1, 0; 2003 QW<sub>97</sub> \*, 3, 1, 0; 2003 QX<sub>97</sub> \*, 3, 1, 0; 2003 QY<sub>97</sub> \*, 3, 1, 0; 2003 QZ<sub>97</sub> \*, 3, 1, 0; 2003 QA<sub>98</sub> \*, 3, 1, 0; 2003 QB<sub>98</sub> \*, 3, 1, 0; 2003 QC<sub>98</sub> \*, 3,

0; (8317), 3, 1, 0; (8377), 3, 1, 0; (8579), 3, 1, 0; (8627), 3, 1, 0; (8637), 3, 1, 0; (9539), 3, 1, 0; (9959), 3, 1, 0; (10608), 3, 1, 0; (10706), 3, 1, 0; (10796), 3, 1, 0; (11087), 3, 1, 0; (11121), 3, 1, 0; (11372), 3, 1, 0; (11492), 3, 1, 0; (11642), 3, 1, 0; (11751), 6, 2, 4; (11834), 3, 1, 0; (12560), 3, 1, 0; (12604), 3, 1, 0; (12605), 3, 1, 0; (12757), 3, 1, 0; (12944), 3, 1, 0; (13096), 3, 1, 0; (13306), 3, 1, 0; (13321), 3, 1, 0; (13536), 3, 1, 0; (13680), 3, 1, 0; (14275), 3, 1, 0; (14543), 3, 1, 0; (14610), 3, 1, 0; (15125), 3, 1, 0; (16085), 3, 1, 0; (16094), 3, 1, 0; (16149), 3, 1, 0; (16762), 3, 1, 0; (17048), 3, 1, 0; (17173), 3, 1, 0; (17650), 3, 1, 0; (17737), 3, 1, 0; (17939), 3, 1, 0; (17966), 3, 1, 0; (18113), 3, 1, 0; (18508), 3, 1, 0; (18517), 3, 1, 0; (18612), 3, 1, 0; (18656), 3, 1, 0; (18663), 3, 1, 0; (18729), 3, 1, 0; (19264), 3, 1, 0; (19856), 3, 1, 0; (19916), 3, 1, 0; (19983), 3, 1, 0; (20367), 3, 1, 0; (20656), 3, 1, 0; (20919), 3, 1, 0; (20927), 3, 1, 0; (20943), 3, 1, 0; (21060), 3, 1, 0; (21074), 3, 1, 0; (21307), 3, 1, 0; (21569), 3, 1, 0; (21628), 3, 1, 0; (21809), 3, 1, 0; (21915), 3, 1, 0; (22401), 3, 1, 0; (22475), 3, 1, 0; (22740), 3, 1, 0; (22743), 3, 1, 0; (22913), 3, 1, 0; (22928), 3, 1, 0; (22947), 3, 1, 0; (23150), 3, 1, 0; (23326), 3, 1, 0; (23577), 3, 1, 0; (23889), 3, 1, 0; (24144), 3, 1, 0; (24191), 3, 1, 0; (24807), 3, 1, 0; (25159), 3, 1, 0; (25205), 3, 1, 0; (25236), 3, 1, 0; (25793), 3, 1, 0; (25880), 3, 1, 0; (25899), 3, 1, 0; (26429), 3, 1, 0; (26675), 3, 1, 0; (33002), 3, 1, 0; (34385), 3, 1, 0; (34539), 3, 1, 0; (35166), 3, 1, 0; (35233), 3, 1, 0; (35994), 3, 1, 0; (36970), 3, 1, 0; (37134), 3, 1, 0; (37274), 3, 1, 0; (37703), 3, 1, 0; (37871), 3, 1, 0; (37979), 3, 1, 0; (38007), 3, 1, 0; (38418), 3, 1, 0; (38933), 3, 1, 0; (39044), 3, 1, 0; (39390), 3, 1, 0; (39457), 3, 1, 0; (39690), 3, 1, 0; (40099), 3, 1, 0; (40201), 3, 1, 0; (40287), 3, 1, 0; (40352), 3, 1, 0; (40388), 3, 1, 0; (40481), 3, 1, 0; (40560), 3, 1, 0; (40641), 3, 1, 0; (40891), 3, 1, 0; (40902), 3, 1, 0; (40965), 3, 1, 0; (41152), 3, 1, 0; (41275), 3, 1, 0; (41416), 3, 1, 0; (41692), 3, 1, 0; (41858), 3, 1, 0; (41897), 3, 1, 0; (41995), 3, 1, 0; (42436), 6, 2, 1; (42443), 3, 1, 0; (42579), 6, 2, 4; (42580), 3, 1, 0; (42613), 3, 1, 0; (42755), 6, 1, 0; (42760), 3, 1, 0; (42845), 3, 1, 0; (42939), 3, 1, 0; (43044), 3, 1, 0; (43061), 3, 1, 0; (43131), 3, 1, 0; (43194), 3, 1, 0; (43386), 3, 1, 0; (43480), 3, 1, 0; (43704), 3, 1, 0; (44418), 3, 1, 0; (44631), 3, 1, 0; (45035), 3, 1, 0; (45345), 3, 1, 0; (46240), 3, 1, 0; (46381), 3, 1, 0; (46408), 3, 1, 0; (47781), 3, 1, 0; (47924), 3, 1, 0; (48276), 3, 1, 0; (50460), 3, 1, 0; (51101), 3, 1, 0; (54667), 3, 1, 0; (56121), 3, 1, 0; (57691), 3, 1, 0; (57798), 3, 1, 0; (58128), 3, 1, 0; (58311), 3, 1, 0; (58392), 3, 1, 0; (58483), 3, 1, 0; (59072), 3, 1, 0; (59154), 3, 1, 0; (59238), 3, 1, 0; (59248), 3, 1, 0; (59257), 3, 1, 0; (59280), 3, 1, 0; (59458), 3, 1, 0; (59536), 3, 1, 0; (59816), 3, 1, 0; (59870), 3, 1, 0; (60077), 3, 1, 0; (60114), 3, 1, 0; (60254), 3, 1, 0; (60672), 3, 1, 0; (61134), 3, 1, 0; (61183), 3, 1, 0; (61195), 3, 1, 0; (61249), 3, 1, 0; (61265), 3, 1, 0; (61327), 3, 1, 0; (61329), 3, 1, 0; (61333), 3, 1, 0; (61348), 3, 1, 0; (61435), 6, 2, 23; (61489), 3, 1, 0; (61513), 3, 1, 0; (61657), 3, 1, 0; (61823), 3, 1, 0; (62046), 3, 1, 0; (62054), 3, 1, 0; (62173), 3, 1, 0; (62489), 3, 1, 0; (62552), 3, 1, 0; (62752), 3, 1, 0; (62868), 3, 1, 0; (63019), 3, 1, 0; (63037), 3, 1, 0; (63372), 3, 1, 0; (63509), 3, 1, 0; (63798), 3, 1, 0; (64019), 3, 1, 0; (64253), 3, 1, 0; (64261), 3, 1, 0; (64583), 3, 1, 0; (64660), 3, 1, 0; (64938), 3, 1, 0; (65531), 3, 1, 0; [3646, 1130, 121\*, 2001/04/24–2003/09/04]

## 292 Burlington

T. Handley, 13 Linden Road, Burlington, NJ 08016, U.S.A.

0.30-m Schmidt-Cassegrain + focal reducer + CCD

GSC

(38358), 2, 1, 0; [2, 1, 0\*, 1995/10/29]

## 300 Bisei Spaceguard Center–BATTeRS

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Observers A. Asami, D. J. Asher, T. Fuse, N. Hashimoto, A. I. Ibrahim, S. Isobe,

K. Nishiyama, Y. Oshima, J. Terazono, H. Umehara, T. Urata, M. Yoshikawa

0.25-m  $f/5.0$  reflector + CCD

GSC-ACT

1997 AE<sub>12</sub>, 6, 1, 0; 1997 PP<sub>3</sub>, 4, 1, 0; (62), 5, 1, 0; (64), 4, 1, 0; (79), 6, 1, 0; (122), 5, 1, 0; (149), 5, 2, 12; (212), 2, 1, 0; (283), 5, 1, 0; (370), 2, 1, 0; (377), 4, 1, 0; (383), 5, 1, 0; (414), 8, 2, 54; (458), 4, 1, 0; (460), 3, 1, 0; (481), 3, 1, 0; (486), 3, 1, 0; (497), 4, 1, 0; (517), 3, 1, 0; (540), 6, 1, 0; (550), 5, 1, 0; (552), 5, 1, 0; (574), 5, 1, 0; (622), 6, 1, 0; (644), 3, 1, 0; (648), 3, 1, 0; (665), 4, 1, 0; (699), 5, 1, 0; (715), 5, 1, 0; (720), 3, 1, 0; (746), 5, 1, 0; (747), 3, 1, 0; (764), 5, 1, 0; (777), 3, 1, 0; (811), 3, 1, 0; (823), 5, 1, 0; (837), 4, 1, 0; (847), 5, 1, 0; (861), 4, 1, 0; (885), 3, 1, 0; (1000), 5, 1, 0; (1055), 5, 1, 0; (1062), 5, 1, 0; (1181), 3, 1, 0; (1317), 5, 1, 0; (1474), 3, 1, 0; (1507), 5, 1, 0; (1590), 10, 2, 8; (1606), 4, 1, 0; (1629), 5, 1, 0; (1632), 6, 1, 0; (1640), 3, 1, 0; (1833), 5, 1, 0; (2100), 11, 2, 1; (2216), 3, 1, 0; (2348), 4, 1, 0; (2487), 3, 1, 0; (2542), 2, 1, 0; (2683), 5, 1, 0; (2834), 5, 1, 0; (2942), 3, 1, 0; (4387), 3, 1, 0; (4613), 3, 1, 0; (5262), 5, 1, 0; (6649), 3, 1, 0; (10731), 5, 1, 0; (12742), 3, 1, 0; (18998), 5, 1, 0; (20492), 3, 1, 0; (21652), 3, 1, 0; (35880), 3, 1, 0; (35968), 5, 1, 0; (57036), 5, 1, 0; [317, 73, 0\*, 2001/10/22–2003/08/31]

## 303 Mérida

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Observers I. Ferrin, C. Leal

1.0-m Schmidt + CCD

USNO-SA2.0

1998 FW<sub>47</sub>, 2, 1, 0; 1999 RQ<sub>114</sub>, 2, 1, 0; 1999 RG<sub>124</sub>, 2, 1, 0; 2000 WD<sub>60</sub>, 2, 1, 0; 2002 GM<sub>122</sub>, 2, 1, 0; 2003 PB<sub>6</sub>, 2, 1, 0; 2003 QW<sub>30</sub>, 2, 1, 0; 2003 QQ<sub>105</sub> \*, 3, 2, 1; (497), 2, 1, 0; (4638), 2, 1, 0; (11068), 2, 1, 0; (15671), 2, 1, 0; (16673), 1, 1, 0; (20380), 2, 1, 0; (24088), 2, 1, 0; (34650), 2, 1, 0; (35128), 2, 1, 0; (40131), 2, 1, 0; [36, 18, 1\*, 1992/08/04–2003/08/28]

## 309 Cerro Paranal

A. Boattini, IASF-CNR, Area di Ricerca Tor Vergata, Via Fosso del Cavaliere 100, I-00133 Rome, Italy [boattini@rm.iasf.cnr.it] (1)

J.-M. Petit, Observatoire de Besançon, 41 bis Avenue de l'Observatoire, F-25010

Besançon, France [petit@obs-besancon.fr] (5)

Observer UT4 Science Operation Team, J.-M. Petit, O. Mousis

Measurers A. Boattini, H. Scholl, G. D'Abramo, G. Forti, J.-M. Petit

8.2-m  $f/3$  reflector + CCD

USNO-B1.0

{1} 2000 ST<sub>35</sub>, 4, 1, 0; 2003 DW<sub>10</sub>, 6, 1, 0; 2003 EE<sub>16</sub>, 6, 1, 0; [16, 3, 0\*, 2003/06/19–2003/08/06]

{5} 2000 FT<sub>53</sub>, 2, 1, 0; 2000 SR<sub>331</sub>, 2, 1, 0; 2002 GZ<sub>31</sub>, 2, 1, 0; 2002 GJ<sub>32</sub>, 7, 2, 1; (57480), 2, 1, 0; (60558), 10, 2, 1; [25, 6, 0\*, 2001/11/15–2003/06/03]

## 320 Chiro Observatory

M. L. Clark, 4 Bishops Close, Quinns Rocks, WA 6030, Australia

[clarksky@connect.comdek.net.au]

0.3-m  $f/6$  reflector + CCD

USNO-A2.0

(47022), 4, 1, 0; (50622), 4, 1, 0; [8, 2, 0\*, 2001/06/18–2001/06/20]

## 322 Perth Observatory, Bickley-MCT

J. Biggs, Perth Observatory, Bickley, WA 6076, Australia

[jamieb@calm.wa.gov.au]

Observers G. Lowe, J. Biggs

0.25-m  $f/4.5$  Newtonian + CCD

USNO-A2.0

1999 GJ<sub>2</sub>, 2, 1, 0; 1999 KW<sub>4</sub>, 3, 1, 0; 2001 LF, 3, 1, 0; 2003 FT<sub>3</sub>, 3, 1, 0; [11, 4, 0\*, 2003/05/28–2003/06/18]

## 327 Peking Observatory, Xinglong Station

J. Zhu, National Astronomical Observatories, Chinese Academy of Sciences, 20A

Datun Road, Chaoyang District, Beijing 100012, People's Republic of China

[zj@bac.pku.edu.cn]

Observers J. Zhu, X. Zhou, S. J. Xue, J. Ma, H. Wu, X. M. Teng, C. H. Liu,

S. L. Kong

Measurers X. M. Teng, S. L. Kong, C. H. Liu, J. Zhu

0.60-m Schmidt + CCD

1991 SC<sub>3</sub>, 3, 1, 0; 1995 CE<sub>3</sub>, 3, 1, 0; 1995 SS<sub>15</sub>, 3, 1, 0; 1995 SO<sub>45</sub>, 3, 1, 0; 1997 YE<sub>1</sub>, 3, 1, 0; 1998 BC<sub>4</sub>, 4, 1, 0; 1998 RG<sub>33</sub>, 3, 1, 0; 1998 SQ<sub>33</sub>, 3, 1, 0; 1998 SY<sub>76</sub>, 2, 1, 0; 1998 TQ<sub>7</sub>, 3, 1, 0; 1998 TY<sub>23</sub>, 3, 1, 0; 1998 UX<sub>44</sub>, 3, 1, 0; 1999 CD<sub>49</sub>, 3, 1, 0; 1999 CE<sub>77</sub>, 3, 1, 0; 1999 TB<sub>260</sub>, 3, 1, 0; 1999 TK<sub>280</sub>, 3, 1, 0; 1999 VD<sub>101</sub>, 3, 1, 0; 1999 XR<sub>15</sub>, 3, 1, 0; 2000 AM<sub>22</sub>, 3, 1, 0; 2000 AX<sub>40</sub>, 3, 1, 0; 2000 CM<sub>16</sub>, 4, 1, 0; 2000 CL<sub>41</sub>, 3, 1, 0; 2000 EK<sub>91</sub>, 3, 1, 0; 2000 ER<sub>150</sub>, 3, 1, 0; 2000 FK<sub>4</sub>, 3, 1, 0; 2000 GD<sub>159</sub>, 3, 1, 0; 2000 JO<sub>22</sub>, 6, 2, 18; 2000 JM<sub>52</sub>, 3, 1, 0; 2000 JQ<sub>62</sub>, 3, 1, 0; 2000 OW<sub>1</sub>, 3, 1, 0; 2000 PS<sub>21</sub>, 3, 1, 0; 2000 QT<sub>49</sub>, 3, 1, 0; 2000 QD<sub>94</sub>, 3, 1, 0; 2000 RB<sub>51</sub>, 3, 1, 0; 2000 SH<sub>35</sub>, 3, 1, 0; 2000 SO<sub>98</sub>, 3, 1, 0; 2000 SA<sub>221</sub>, 3, 1, 0; 2000 SY<sub>223</sub>, 3, 1, 0; 2000 SH<sub>280</sub>, 3,

1, 0; 2000 TW<sub>21</sub>, 3, 1, 0; 2000 TK<sub>35</sub>, 3, 1, 0; 2000 WH<sub>9</sub>, 3, 1, 0; 2000 WX<sub>15</sub>, 3, 1, 0; 2000 WY<sub>160</sub>, 4, 1, 0; 2000 WZ<sub>178</sub>, 4, 1, 0; 2000 XO<sub>39</sub>, 3, 1, 0; 2000 YT<sub>9</sub>, 3, 1, 0; 2000 YF<sub>73</sub>, 3, 1, 0; 2001 AY<sub>23</sub>, 3, 1, 0; 2001 BJ<sub>52</sub>, 3, 1, 0; 2001 CU<sub>12</sub>, 3, 1, 0; 2001 EX<sub>3</sub>, 3, 1, 0; 2001 GA<sub>11</sub>, 4, 1, 0; 2001 KK<sub>11</sub>, 3, 1, 0; 2001 KR<sub>24</sub>, 3, 1, 0; 2001 KY<sub>28</sub>, 4, 1, 0; 2001 ME<sub>25</sub>, 3, 1, 0; 2001 OO<sub>99</sub>, 3, 1, 0; 2001 OD<sub>107</sub>, 3, 1, 0; 2001 PD<sub>21</sub>, 4, 1, 0; 2001 PD<sub>46</sub>, 3, 1, 0; 2001 QS<sub>62</sub>, 6, 1, 0; 2001 QJ<sub>88</sub>, 3, 1, 0; 2001 QC<sub>138</sub>, 3, 1, 0; 2001 QO<sub>138</sub>, 3, 1, 0; 2001 QQ<sub>269</sub>, 3, 1, 0; 2001 RD<sub>61</sub>, 3, 1, 0; 2001 RX<sub>63</sub>, 3, 1, 0; 2001 RD<sub>69</sub>, 3, 1, 0; 2001 RN<sub>71</sub>, 3, 1, 0; 2001 SA<sub>10</sub>, 3, 1, 0; 2001 SF<sub>31</sub>, 3, 1, 0; 2001 SG<sub>46</sub>, 3, 1, 0; 2001 SE<sub>50</sub>, 4, 1, 0; 2001 SC<sub>115</sub>, 3, 1, 0; 2001 SQ<sub>120</sub>, 3, 1, 0; 2001 SO<sub>166</sub>, 3, 1, 0; 2001 SL<sub>345</sub>, 3, 1, 0; 2001 TU<sub>7</sub>, 3, 1, 0; 2001 TU<sub>14</sub>, 3, 1, 0; 2001 TJ<sub>16</sub>, 3, 1, 0; 2001 TN<sub>19</sub>, 3, 1, 0; 2001 TU<sub>21</sub>, 3, 1, 0; 2001 TO<sub>105</sub>, 3, 1, 0; 2001 TW<sub>118</sub>, 3, 1, 0; 2001 TX<sub>122</sub>, 3, 1, 0; 2001 TJ<sub>125</sub>, 3, 1, 0; 2001 TU<sub>136</sub>, 3, 1, 0; 2001 TX<sub>137</sub>, 3, 1, 0; 2001 TA<sub>160</sub>, 3, 1, 0; 2001 TC<sub>195</sub>, 3, 1, 0; 2001 TO<sub>195</sub>, 3, 1, 0; 2001 UJ<sub>10</sub>, 3, 1, 0; 2001 UY<sub>45</sub>, 2, 1, 0; 2001 UL<sub>46</sub>, 3, 1, 0; 2001 UL<sub>109</sub>, 3, 1, 0; 2001 UW<sub>163</sub>, 3, 1, 0; 2001 UE<sub>190</sub>, 3, 1, 0; 2001 UD<sub>213</sub>, 3, 1, 0; 2001 VR<sub>80</sub>, 3, 1, 0; 2001 VT<sub>86</sub>, 3, 1, 0; 2001 VT<sub>108</sub>, 3, 1, 0; 2001 XQ<sub>36</sub>, 3, 1, 0; 2001 XT<sub>90</sub>, 4, 1, 0; 2001 XR<sub>105</sub>, 3, 1, 0; 2001 XW<sub>106</sub>, 3, 1, 0; 2001 XZ<sub>225</sub>, 3, 1, 0; 2002 AT<sub>188</sub>, 3, 1, 0; 2002 CJ<sub>112</sub>, 2, 1, 0; 2002 CK<sub>227</sub>, 2, 1, 0; 2002 CY<sub>238</sub>, 3, 1, 0; 2002 EM<sub>111</sub>, 3, 1, 0; 2002 GC<sub>137</sub>, 3, 1, 0; 2002 JK<sub>15</sub>, 3, 1, 0; 2002 JY<sub>70</sub>, 3, 1, 0; 2002 PA<sub>93</sub>, 3, 1, 0; 2002 PD<sub>126</sub>, 4, 1, 0; 2002 RP<sub>81</sub>, 3, 1, 0; 2002 RM<sub>82</sub>, 3, 1, 0; 2002 RL<sub>115</sub>, 3, 1, 0; 2002 TA<sub>59</sub>, 3, 1, 0; 2002 TF<sub>65</sub>, 3, 1, 0; 2002 TE<sub>77</sub>, 3, 1, 0; 2002 TZ<sub>89</sub>, 3, 1, 0; 2002 TZ<sub>260</sub>, 4, 1, 0; 2002 VS<sub>95</sub>, 3, 1, 0; 2002 XB<sub>35</sub>, 3, 1, 0; 2002 XF<sub>74</sub>, 5, 2, 13; 2002 XR<sub>76</sub>, 4, 1, 0; 2002 XS<sub>78</sub>, 3, 1, 0; 2002 YG<sub>15</sub>, 3, 1, 0; 2003 AX<sub>3</sub>, 3, 1, 0; 2003 AZ<sub>7</sub>, 3, 1, 0; 2003 AK<sub>21</sub>, 3, 1, 0; 2003 AZ<sub>23</sub>, 8, 1, 0; 2003 AW<sub>28</sub>, 3, 1, 0; 2003 AJ<sub>30</sub>, 3, 1, 0; 2003 AE<sub>31</sub>, 3, 1, 0; 2003 AF<sub>65</sub>, 3, 1, 0; 2003 AC<sub>82</sub>, 4, 1, 0; 2003 BE<sub>18</sub>, 3, 1, 0; 2003 BN<sub>18</sub>, 3, 1, 0; 2003 BC<sub>51</sub>, 3, 1, 0; 2003 HH<sub>8</sub>, 3, 1, 0; 2003 HU<sub>29</sub>, 7, 1, 0; 2003 MP<sub>8</sub>, 6, 2, 20; 2003 PC<sub>4</sub>, 3, 1, 0; 2003 PP<sub>8</sub>, 3, 1, 0; 4779 P-L, 3, 1, 0; 4570 T-2, 3, 1, 0; (11860), 3, 1, 0; (11940), 3, 1, 0; (28829), 3, 1, 0; (49528), 3, 1, 0; (50691), 3, 1, 0; (58041), 3, 1, 0; (61042), 3, 1, 0; (61339), 3, 1, 0; (61822), 3, 1, 0; (62441), 3, 1, 0; (63538), 3, 1, 0; (64309), 2, 1, 0; (64399), 3, 1, 0; [517, 163, 0\*, 1995/08/23–2000/12/15]

### 333 Desert Eagle Observatory

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0.45-m  $f/3$  reflector + CCD

GSC-ACT, USNO-A2.0

1995 FO<sub>7</sub>, 3, 1, 0; 1998 MX<sub>5</sub>, 4, 1, 0; 1999 BF<sub>13</sub>, 4, 1, 0; 1999 JE<sub>20</sub>, 4, 1, 0; 1999 JV<sub>40</sub>, 4, 1, 0; 1999 JT<sub>113</sub>, 4, 1, 0; 1999 NN<sub>15</sub>, 4, 1, 0; 1999 RL<sub>102</sub>, 4, 1, 0; 1999 RF<sub>103</sub>, 4, 1, 0; 2000 AT<sub>107</sub>, 4, 1, 0; 2000 AL<sub>124</sub>, 4, 1, 0; 2000 KA<sub>67</sub>, 4, 1, 0; 2000 OE<sub>48</sub>, 8, 2, 1; 2000 VP<sub>49</sub>, 8, 2, 1; 2000 WO<sub>142</sub>, 4, 1, 0; 2000 YT<sub>87</sub>, 8, 2, 1; 2001 AC<sub>17</sub>, 4, 1, 0; 2001 SE<sub>23</sub>, 2, 1, 0; 2001 UE<sub>85</sub>, 3, 1, 0; 2001 WQ<sub>47</sub>, 3, 1, 0; 2002 CD<sub>115</sub>, 4, 1, 0; 2002 FB<sub>13</sub>, 8, 2, 1; 2002 XS<sub>38</sub>, 1, 1, 0; 2002 XG<sub>102</sub>, 2, 1, 0; 2002 XB<sub>110</sub>, 3, 1, 0; 2002 YW<sub>9</sub>, 3, 1, 0; 2003 BM<sub>85</sub>, 4, 2, 1; 2003 DE<sub>16</sub>, 3, 1, 0; 2003 HS<sub>46</sub>, 4, 1, 0; 2003 MM<sub>2</sub>, 1, 0; 2003 MO<sub>8</sub>, 1, 0; 2003 ME<sub>1</sub>, 4, 1, 0; 2003 MZ<sub>2</sub>, 8, 1, 0; 2003 MB<sub>10</sub> \*, 4, 2, 1; 2003 MC<sub>10</sub> \*, 4, 2, 1; 2003 OA<sub>6</sub>, 4, 1, 0; (3), 8, 2, 1; (22), 8, 2, 7; (33), 4, 1, 0; (50), 8, 1, 0; (60), 4, 1, 0; (62), 12, 4, 3; (64), 20, 4, 3; (84), 4, 1, 0; (85), 4, 1, 0; (89), 3, 1, 0; (100), 4, 1, 0; (116), 4, 1, 0; (118), 4, 1, 0; (122), 4, 1, 0; (135), 4, 1, 0; (136), 4, 1, 0; (147), 4, 1, 0; (148), 4, 1, 0; (154), 4, 1, 0; (164), 8, 2, 1; (173), 16, 4, 7; (175), 4, 1, 0; (182), 4, 1, 0; (198), 3, 1, 0; (199), 8, 2, 4; (221), 4, 1, 0; (235), 8, 1, 0; (237), 4, 1, 0; (238), 4, 1, 0; (243), 4, 1, 0; (263), 4, 1, 0; (283), 12, 2, 1; (285), 4, 1, 0; (343), 4, 1, 0; (353), 4, 1, 0; (360), 16, 4, 8; (361), 4, 1, 0; (376), 8, 1, 0; (377), 4, 1, 0; (386), 8, 2, 7; (391), 16, 4, 8; (411), 16, 4, 7; (416), 8, 1, 0; (434), 4, 1, 0; (449), 4, 1, 0; (451), 4, 1, 0; (457), 12, 3, 6; (468), 4, 1, 0; (471), 4, 1, 0; (481), 4, 1, 0; (484), 8, 2, 1; (488), 4, 1, 0; (491), 12, 3, 7; (494), 4, 1, 0; (502), 16, 3, 14; (512), 28, 4, 8; (524), 4, 1, 0; (527), 16, 4, 8; (530), 8, 2, 1; (535), 4, 1, 0; (569), 4, 1, 0; (598), 4, 1, 0; (599), 16, 1, 0; (609), 8, 3, 2; (614), 4, 1, 0; (628), 16, 3, 7; (667), 4, 1, 0; (675), 8, 1, 0; (677), 4, 1, 0; (692), 4, 1, 0; (712), 4, 1, 0; (715), 4, 1, 0; (722), 4, 1, 0; (741), 4, 1, 0; (745), 8, 3, 6; (771), 8, 2, 2; (780), 4, 1, 0; (781), 16, 4, 7; (787), 8, 2, 4; (789), 3, 1, 0; (800), 8, 1, 0; (825), 4, 1, 0; (836), 4, 1, 0; (837), 4, 1, 0; (847), 8, 2, 1; (852), 4, 1, 0; (875), 4, 1, 0; (885), 4, 1, 0; (893), 12, 2, 7; (900), 4, 1, 0; (937), 4, 1, 0; (962), 4, 1, 0; (989), 4, 1, 0; (1004), 4, 1, 0; (1025), 12, 3, 4; (1058), 4, 1, 0; (1103), 8, 2, 7; (1107), 20, 4, 8; (1137), 4, 1, 0; (1154), 4, 1, 0; (1175), 4, 1, 0; (1176), 4, 1, 0; (1199), 4, 1, 0; (1243), 4, 1, 0; (1263), 12, 3, 11; (1301), 4, 1, 0; (1303), 12, 2, 7; (1312), 8, 2, 8; (1328), 4, 1, 0; (1333), 8, 2, 4; (1334), 16, 3, 4; (1349), 7, 1, 0; (1366), 4, 1, 0; (1368), 4, 1, 0; (1371), 8, 2, 4; (1396), 4, 1, 0; (1421), 4, 1, 0; (1469), 4, 1, 0; (1487), 4, 2, 1; (1489), 8, 3, 6; (1499), 16, 2, 1; (1540), 4, 1, 0; (1545), 4, 1, 0; (1560), 17, 2, 1; (1568), 4, 1, 0; (1571), 4, 1, 0; (1573), 4, 1, 0; (1574), 4, 1, 0; (1595), 8, 1, 0; (1606), 4, 1, 0; (1633), 4, 1, 0; (1638), 4, 1, 0; (1639), 4, 1, 0; (1681), 8, 2, 4; (1699), 16, 1, 0; (1701), 16, 3, 7; (1721), 4, 1, 0; (1731), 4, 1, 0; (1761), 4, 1, 0; (1773), 8, 1, 0; (1796), 11, 3, 9; (1819), 4, 1, 0; (1836), 4, 1, 0; (1850), 4, 1, 0; (1866), 4, 1, 0; (1882), 8, 1, 0; (1903), 16, 4, 8; (1911), 8, 2, 1; (2002), 4, 1, 0; (2053), 8, 2, 1; (2064), 4, 1, 0; (2085), 8, 1, 0; (2094), 8, 1, 0; (2158), 16, 2, 1; (2213), 4, 1, 0; (2245), 4, 1, 0; (2272), 4, 1, 0; (2288), 4, 1, 0; (2373), 4, 1, 0; (2379), 4, 1, 0; (2491), 4, 1, 0; (2499), 4, 1, 0; (2507), 8, 2, 1; (2622), 4, 1, 0; (2634), 4, 1, 0; (2638), 4, 1, 0; (2659), 4, 1, 0; (2669), 8, 2, 1; (2678), 4, 1, 0; (2682), 8, 2, 1; (2683), 8, 1, 0; (2696), 4, 1, 0; (2733), 12, 3, 7; (2741), 4, 1, 0; (2864), 4, 1, 0; (2872), 12, 4, 3; (2880), 4, 1, 0; (2935), 8, 2,

4; (2971), 4, 1, 0; (3069), 4, 1, 0; (3104), 4, 1, 0; (3151), 3, 1, 0; (3158), 4, 1, 0; (3237), 4, 1, 0; (3277), 4, 1, 0; (3313), 4, 1, 0; (3322), 4, 1, 0; (3324), 4, 1, 0; (3334), 4, 1, 0; (3380), 4, 1, 0; (3458), 4, 1, 0; (3467), 4, 1, 0; (3550), 4, 1, 0; (3629), 4, 1, 0; (3683), 12, 3, 8; (3693), 4, 1, 0; (3764), 4, 1, 0; (3810), 4, 1, 0; (3817), 4, 1, 0; (3825), 4, 1, 0; (3835), 8, 2, 1; (3878), 8, 2, 1; (3993), 4, 1, 0; (4073), 8, 2, 1; (4106), 4, 1, 0; (4125), 12, 3, 6; (4175), 4, 1, 0; (4205), 4, 1, 0; (4226), 4, 1, 0; (4235), 12, 4, 3; (4333), 4, 1, 0; (4343), 4, 1, 0; (4387), 4, 1, 0; (4449), 16, 4, 3; (4526), 4, 1, 0; (4583), 4, 1, 0; (4690), 12, 3, 8; (4692), 4, 1, 0; (4696), 4, 1, 0; (4725), 4, 1, 0; (4770), 4, 1, 0; (4856), 8, 2, 3; (4885), 8, 2, 1; (4897), 11, 1, 0; (4900), 4, 1, 0; (5027), 4, 1, 0; (5059), 4, 1, 0; (5081), 4, 1, 0; (5122), 4, 1, 0; (5132), 4, 1, 0; (5192), 4, 1, 0; (5226), 4, 1, 0; (5238), 4, 1, 0; (5262), 4, 1, 0; (5294), 4, 2, 1; (5367), 4, 1, 0; (5452), 4, 1, 0; (5515), 4, 1, 0; (5577), 4, 1, 0; (5752), 4, 1, 0; (5754), 8, 1, 0; (5765), 8, 2, 14; (5905), 4, 1, 0; (5972), 12, 3, 7; (5977), 8, 2, 3; (5982), 4, 1, 0; (6028), 4, 1, 0; (6221), 4, 1, 0; (6394), 4, 1, 0; (6415), 8, 3, 3; (6419), 4, 1, 0; (6449), 8, 2, 1; (6474), 4, 1, 0; (6633), 4, 1, 0; (6670), 4, 1, 0; (6734), 4, 1, 0; (6993), 12, 4, 3; (7133), 16, 4, 8; (7304), 4, 1, 0; (7326), 8, 2, 1; (7481), 4, 1, 0; (7530), 4, 1, 0; (7712), 8, 2, 1; (7772), 4, 1, 0; (7788), 4, 1, 0; (7978), 8, 2, 1; (8013), 4, 1, 0; (8113), 4, 1, 0; (8190), 4, 1, 0; (8310), 4, 1, 0; (8360), 8, 2, 7; (8414), 8, 2, 1; (8609), 12, 2, 1; (8653), 4, 1, 0; (8776), 4, 1, 0; (8825), 4, 1, 0; (8828), 4, 1, 0; (8843), 8, 2, 7; (9033), 4, 1, 0; (9042), 8, 2, 1; (9068), 8, 1, 0; (9132), 4, 1, 0; (9219), 8, 2, 7; (9247), 8, 2, 4; (9250), 4, 1, 0; (9669), 8, 2, 1; (10108), 4, 1, 0; (10407), 4, 1, 0; (10646), 4, 1, 0; (10668), 4, 1, 0; (10701), 4, 1, 0; (10777), 4, 1, 0; (10832), 4, 1, 0; (10838), 4, 1, 0; (11013), 8, 2, 1; (11059), 4, 1, 0; (11072), 4, 1, 0; (11093), 4, 1, 0; (11145), 4, 1, 0; (11171), 4, 1, 0; (11227), 12, 2, 1; (11272), 4, 1, 0; (11324), 4, 1, 0; (11477), 4, 1, 0; (11570), 4, 1, 0; (11734), 4, 1, 0; (11745), 12, 3, 8; (11861), 4, 1, 0; (11889), 4, 1, 0; (12079), 3, 1, 0; (12109), 4, 1, 0; (12571), 4, 1, 0; (12585), 4, 1, 0; (12742), 4, 1, 0; (12876), 8, 2, 1; (12889), 8, 2, 1; (13244), 4, 1, 0; (13829), 8, 2, 1; (13851), 4, 1, 0; (14259), 4, 1, 0; (15440), 4, 1, 0; (15821), 4, 1, 0; (16592), 4, 1, 0; (16594), 4, 1, 0; (16617), 4, 1, 0; (16726), 4, 1, 0; (16830), 4, 1, 0; (17021), 4, 1, 0; (17133), 4, 1, 0; (17508), 4, 1, 0; (17636), 4, 1, 0; (17711), 4, 1, 0; (17730), 8, 2, 1; (17781), 8, 2, 1; (17890), 4, 1, 0; (17948), 8, 2, 1; (17966), 4, 1, 0; (18369), 8, 2, 1; (18377), 4, 1, 0; (18422), 8, 2, 1; (18500), 4, 1, 0; (18594), 4, 1, 0; (18641), 4, 1, 0; (18758), 4, 1, 0; (18801), 12, 2, 1; (18883), 4, 1, 0; (18963), 4, 1, 0; (19716), 4, 1, 0; (19976), 8, 2, 1; (20001), 4, 1, 0; (20087), 4, 1, 0; (20406), 8, 1, 0; (20435), 4, 1, 0; (20479), 4, 1, 0; (20492), 4, 1, 0; (20644), 4, 1, 0; (20788), 4, 1, 0; (20896), 8, 2, 8; (21104), 3, 1, 0; (22123), 4, 1, 0; (22131), 4, 1, 0; (22156), 4, 1, 0; (22177), 4, 1, 0; (22349), 8, 2, 1; (22629), 4, 1, 0; (22899), 8, 2, 1; (23197), 8, 2, 1; (24014), 4, 1, 0; (26181), 1, 1, 0; (26779), 2, 1, 0; (26911), 3, 1, 0; (31547), 4, 1, 0; (31828), 12, 4, 3; (32853), 4, 1, 0; (33092), 4, 1, 0; (33235), 8, 2, 1; (33366), 4, 1, 0; (33424), 4, 1, 0; (33523), 8, 2, 1; (33540), 4, 1, 0; (33638), 4, 1, 0; (33718), 4, 1, 0; (33742), 4, 1, 0; (33794), 4, 1, 0; (33800), 4, 1, 0; (34425), 4, 1, 0; (34511), 4, 1, 0; (34529), 4, 1, 0; (35320), 4, 1, 0; (35336), 4, 1, 0; (35382), 12, 2, 1; (35539), 4, 1, 0; (35545), 4, 1, 0; (35592), 4, 1, 0; (35966), 4, 1, 0; (36016), 4, 1, 0; (37274), 4, 1, 0; (37417), 4, 1, 0; (37563), 8, 2, 1; (37751), 8, 1, 0; (38063), 16, 4, 8; (38162), 4, 1, 0; (38516), 4, 1, 0; (38572), 4, 1, 0; (38802), 8, 2, 1; (38863), 4, 1, 0; (39079), 4, 1, 0; (39386), 4, 1, 0; (39426), 4, 1, 0; (39775), 1, 1, 0; (39933), 4, 1, 0; (39958), 3, 1, 0; (40188), 4, 1, 0; (40282), 4, 1, 0; (40316), 8, 2, 1; (40652), 4, 1, 0; (41293), 8, 2, 1; (41380), 4, 1, 0; (41396), 4, 1, 0; (41422), 4, 1, 0; (41742), 8, 2, 1; (42128), 4, 1, 0; (42186), 8, 3, 2; (43026), 4, 1, 0; (43251), 4, 1, 0; (54420), 4, 1, 0; (55576), 2, 2, 1; (56283), 4, 1, 0; (58296), 4, 1, 0; (61004), 1, 1, 0; (62827), 4, 1, 0; (63598), 1, 1, 0; (65489), 2, 2, 1; [2661, 469, 2\*, 2001/09/26–2003/07/03]

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Observers D. I. Kang, C. Park, Y. -B. Jeon, S. -L. Kim, J. -K. Lee

Measurer Y.-B. Jeon

1.8-m  $f/8$  reflector + CCD

GSC, USNO-A2.0

1993 JQ, 2, 1, 0; 2002 JL<sub>76</sub>, 3, 1, 0; 2003 KG<sub>30</sub> \*, 5, 2, 4; [10, 3, 1\*, 2001/01/17–2003/05/31]

### 355 Hadano

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0.28-m  $f/5.0$  reflector + CCD

GSC-ACT, USNO-A2.0

1997 AE<sub>12</sub>, 4, 1, 0; 2003 KR<sub>18</sub>, 3, 1, 0; (24445), 3, 1, 0; [10, 3, 0\*, 2003/08/22–2003/08/24]

### 360 Kuma Kogen

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0.60-m  $f/5.8$  Ritchey-Chrétien + CCD  
GSC-ACT, USNO-A2.0

(24265), 3, 1, 0; [3, 1, 0\*, 1997/02/13]

### 369 Chichibu

N. Sato, 743-27, Kitairiso Sayama, Saitama-Ken 350-13, Japan

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0.31-m  $f/4.0$  reflector + CCD, 0.25-m  $f/4.2$  Wright-Schmidt + CCD

GSC

2000 DX<sub>103</sub>, 3, 1, 0; 2000 US<sub>17</sub>, 2, 1, 0; (19954), 1, 1, 0; (23311), 1, 1, 0; [7, 4, 0\*, 1995/10/20–1997/01/15]

### 372 Geisei

T. Seki, Kamimachi 2-9-35, Kochi-shi, Kochi-ken 780, Japan

[T-seki@ma7.seikyou.ne.jp]

0.60-m  $f/3.5$  reflector

GSC

(26424), 2, 1, 0; (44017), 1, 1, 0; (48980), 2, 1, 0; (56227), 2, 1, 0; (56296), 2, 1, 0; (60448), 2, 1, 0; [11, 6, 0\*, 1992/11/27–1993/03/02]

### 376 Uenohara

N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo 187, Japan

0.30-m reflector + CCD

GSC

1999 GA<sub>34</sub>, 2, 1, 0; 2002 CK<sub>240</sub>, 2, 1, 0; [4, 2, 0\*, 1993/10/23–1998/01/31]

### 379 Hamamatsu-Yuto

S. Wakuda, Ufumi 9425-20, Yuto-cho, Hamana-gun, Shizuoka-ken 431-0102, Japan

[caa54120@pop06.odn.ne.jp]

0.25-m  $f/5.0$  Schmidt-Cassegrain + CCD

GSC-ACT

1997 AE<sub>12</sub>, 39, 7, 31; 1998 MX<sub>5</sub>, 5, 2, 14; 1998 TU<sub>3</sub>, 28, 4, 6; 1999 GJ<sub>2</sub>, 8, 1, 0; 2000 OL<sub>8</sub>, 9, 3, 7; 2001 LF, 6, 2, 19; 2003 FT<sub>3</sub>, 4, 1, 0; 2003 GY, 4, 1, 0; 2003 HM<sub>16</sub>, 2, 1, 0; 2003 QZ<sub>30</sub>, 12, 3, 3; 2003 RS<sub>1</sub>, 16, 3, 2; (2100), 70, 10, 30; (24445), 21, 6, 41; (37655), 5, 1, 0; [229, 14, 0\*, 2003/07/07–2003/09/06]

### 381 Kiso

Y. Ohba, Graduate School of Science, University of Tokyo, Araku 866-152, Iruma,

Saitama-ken 358-0031, Japan [ohba@planeta.sci.isas.ac.jp]

Observers M. Abe, M. Ishiguro, Y. Takagi, Y. Ohba

Measurer Y. Ohba

1.05-m Kiso Schmidt + CCD

GSC

1999 TO<sub>263</sub>, 2, 1, 0; [2, 1, 0\*, 1994/10/14]

### 385 Nihondaira Observatory

T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken 424-0851, Japan

[urata@sannet.ne.jp]

0.31-m  $f/4.0$  reflector + CCD

GSC-1.1, USNO-A2.0

2001 KA<sub>34</sub>, 2, 1, 0; 2002 JQ<sub>60</sub>, 2, 1, 0; 2002 XY<sub>85</sub>, 2, 1, 0; (28635), 3, 1, 0; (29254), 3, 1, 0; (33479), 3, 1, 0; [15, 6, 0\*, 1994/11/12–1997/03/09]

### 399 Kushiro

H. Kaneda, Taiyo MS 2-H, 2-15, Kawazoe 8 Jo 2 Chime, Minami-Ku, Sapporo 005, Japan

Observer S. Ueda

Measurer H. Kaneda

0.25-m  $f/3.4$  hyperboloid astrocamera

GSC

1999 CR<sub>50</sub>, 2, 1, 0; 1999 XV<sub>84</sub>, 2, 1, 0; 1999 XE<sub>204</sub>, 2, 1, 0; 2000 AG<sub>14</sub>, 2, 1, 0; 2003 MH<sub>6</sub>, 2, 1, 0; (20325), 2, 1, 0; (27023), 1, 1, 0; (28356), 2, 1, 0; (28668), 2, 1, 0; (49650), 2, 1, 0; (57124), 2, 1, 0; [21, 11, 0\*, 1992/09/28–1995/09/21]

### 402 Dynic Astronomical Observatory

A. Sugie, Dynic Astronomical Observatory, Taga 283-1, Taga, Inukami-Gun, Shiga-Ken 522-0341, Japan [hhf00201@niftyserve.or.jp]

Observers A. Sugie, Y. Ikari

0.60-m  $f/5.0$  reflector + CCD

GSC

2001 QL<sub>211</sub>, 3, 1, 0; (15402), 2, 1, 0; [5, 2, 0\*, 1997/10/12–2000/04/29]

### 413 Siding Spring

R. H. McNaught, Research School of Astronomy and Astrophysics, Siding Spring Observatory, Coonabarabran, NSW 2357, Australia

[rmn@aaocbn.aao.gov.au] (1)

C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden

[classe@astro.uu.se] (8)

Observers R. H. McNaught, B. A. Steininger, G. J. Garradd, S. Nakano

Measurers R. H. McNaught, O. Hernius

1.0-m  $f/8$  reflector + CCD

UCAC-1

{1} 1981 EK<sub>31</sub>, 3, 1, 0; 1990 OS, 5, 2, 5; 1993 FZ<sub>30</sub>, 2, 1, 0; 1994 WB<sub>6</sub>, 3, 1, 0; 1996 FO<sub>3</sub>, 3, 2, 22; 1998 DQ<sub>28</sub>, 5, 1, 0; 1998 HG<sub>21</sub>, 1, 1, 0; 1998 RN<sub>3</sub>, 2, 1, 0; 1999 JN<sub>9</sub>, 4, 1, 0; 1999 JK<sub>56</sub>, 3, 1, 0; 1999 JR<sub>110</sub>, 3, 1, 0; 1999 RK<sub>49</sub>, 2, 1, 0; 1999 RB<sub>176</sub>, 3, 1, 0; 1999 TC<sub>122</sub>, 3, 1, 0; 1999 TS<sub>196</sub>, 2, 1, 0; 1999 TY<sub>196</sub>, 2, 1, 0; 1999 TE<sub>242</sub>, 2, 1, 0; 1999 TR<sub>292</sub>, 9, 2, 1; 1999 VC<sub>61</sub>, 4, 1, 0; 1999 VM<sub>86</sub>, 6, 2, 1; 1999 VF<sub>223</sub>, 7, 3, 2; 1999 XP<sub>209</sub>, 3, 1, 0; 2000 AM<sub>52</sub>, 5, 1, 0; 2000 DK<sub>8</sub>, 2, 1, 0; 2000 OL<sub>8</sub>, 5, 2, 3; 2000 OO<sub>43</sub>, 3, 1, 0; 2000 QP, 7, 3, 19; 2000 QN<sub>120</sub>, 2, 1, 0; 2000 QT<sub>173</sub>, 1, 1, 0; 2000 RV<sub>14</sub>, 3, 1, 0; 2000 RM<sub>23</sub>, 3, 1, 0; 2000 SO<sub>10</sub>, 2, 1, 0; 2000 SG<sub>27</sub>, 5, 1, 0; 2000 SZ<sub>168</sub>, 5, 1, 0; 2000 SK<sub>186</sub>, 2, 1, 0; 2000 SX<sub>225</sub>, 1, 1, 0; 2000 VQ<sub>26</sub>, 3, 1, 0; 2000 XQ<sub>5</sub>, 5, 1, 0; 2000 XS<sub>10</sub>, 3, 1, 0; 2000 YJ<sub>11</sub>, 7, 3, 2; 2001 AN<sub>33</sub>, 5, 1, 0; 2001 AA<sub>50</sub>, 2, 1, 0; 2001 DE<sub>47</sub>, 4, 2, 1; 2001 FE<sub>128</sub>, 4, 2, 2; 2001 JU<sub>2</sub>, 3, 1, 0; 2001 LE<sub>6</sub>, 2, 1, 0; 2001 OE<sub>3</sub>, 5, 2, 15; 2001 OA<sub>14</sub>, 3, 1, 0; 2001 QZ<sub>219</sub>, 2, 1, 0; 2001 RE<sub>8</sub>, 3, 2, 22; 2001 SN<sub>263</sub>, 3, 2, 1; 2001 TA<sub>151</sub>, 2, 1, 0; 2001 VC<sub>2</sub>, 4, 3, 2; 2001 XE<sub>148</sub>, 2, 1, 0; 2001 YL<sub>128</sub>, 3, 1, 0; 2002 AV<sub>4</sub>, 6, 2, 2; 2002 AB<sub>5</sub>, 5, 3, 87; 2002 AJ<sub>58</sub>, 2, 1, 0; 2002 BP, 5, 1, 0; 2002 BF<sub>3</sub>, 3, 1, 0; 2002 BN<sub>28</sub>, 1, 1, 0; 2002 CH<sub>16</sub>, 3, 1, 0; 2002 CZ<sub>46</sub>, 3, 1, 0; 2002 DT<sub>18</sub>, 4, 1, 0; 2002 EZ<sub>100</sub>, 3, 1, 0; 2002 FG<sub>7</sub>, 6, 2, 15; 2002 FG<sub>40</sub>, 3, 1, 0; 2002 JE<sub>77</sub>, 4, 1, 0; 2002 OM<sub>4</sub>, 2, 1, 0; 2002 RN<sub>129</sub>, 4, 2, 1; 2002 SG<sub>25</sub>, 3, 1, 0; 2002 SY<sub>50</sub>, 1, 1, 0; 2002 UR<sub>3</sub>, 3, 1, 0; 2002 WG<sub>17</sub>, 2, 1, 0; 2003 AZ<sub>52</sub>, 2, 1, 0; 2003 BQ<sub>46</sub>, 1, 1, 0; 2003 BT<sub>47</sub>, 3, 1, 0; 2003 CY<sub>18</sub>, 4, 2, 30; 2003 DO<sub>20</sub>, 4, 2, 1; 2003 EO<sub>23</sub>, 3, 1, 0; 2003 EB<sub>48</sub>, 2, 1, 0; 2003 FK<sub>12</sub>, 2, 1, 0; 2003 FY<sub>128</sub>, 1, 1, 0; 2003 GY, 2, 1, 0; 2003 GJ<sub>21</sub>, 3, 2, 1; 2003 HA, 4, 1, 0; 2003 HF, 2, 1, 0; 2003 HJ<sub>1</sub>, 3, 1, 0; 2003 HK<sub>1</sub>, 4, 2, 20; 2003 HL<sub>1</sub>, 3, 1, 0; 2003 HN<sub>2</sub>, 2, 1, 0; 2003 HB<sub>6</sub>, 4, 2, 17; 2003 HX<sub>21</sub>, 3, 1, 0; 2003 HP<sub>32</sub>, 2, 1, 0; 2003 HS<sub>42</sub>, 2, 1, 0; 2003 JF<sub>13</sub>, 8, 2, 2; 2003 JN<sub>14</sub>, 3, 1, 0; 2003 JP<sub>14</sub>, 2, 1, 0; 2003 JC<sub>17</sub>, 2, 1, 0; 2003 KF, 3, 1, 0; 2003 KU<sub>2</sub>, 4, 2, 17; 2003 KN<sub>18</sub>, 9, 3, 16; 2003 KQ<sub>18</sub>, 9, 3, 25; 2003 KR<sub>18</sub>, 2, 1, 0; 2003 KZ<sub>18</sub>, 1, 1, 0; 2003 LH, 3, 2, 2; 2003 LV<sub>1</sub>, 2, 2, 2; 2003 LW<sub>1</sub>, 12, 4, 7; 2003 LV<sub>2</sub>, 11, 4, 72; 2003 LW<sub>2</sub>, 8, 3, 3; 2003 LS<sub>3</sub>, 2, 1, 0; 2003 LJ<sub>6</sub> \*, 17, 5, 72; 2003 LK<sub>6</sub> \*, 5, 2, 2; 2003 LN<sub>6</sub>, 11, 3, 6; 2003 LO<sub>6</sub>, 5, 2, 1; 2003 MA, 4, 2, 17; 2003 MM, 2, 1, 0; 2003 MU, 3, 1, 0; 2003 MT<sub>2</sub>, 3, 1, 0; 2003 MX<sub>2</sub>, 6, 2, 1; 2003 MA<sub>3</sub>, 6, 2, 1; 2003 MH<sub>4</sub>, 14, 4, 20; 2003 MJ<sub>4</sub>, 7, 3, 47; 2003 MK<sub>4</sub>, 9, 2, 1; 2003 MC<sub>7</sub>, 9, 3, 16; 2003 MD<sub>7</sub>, 5, 2, 1; 2003 ME<sub>7</sub>, 5, 2, 1; 2003 MV<sub>7</sub>, 7, 2, 15; 2003 MS<sub>9</sub>, 3, 1, 0; 2003 MT<sub>9</sub>, 3, 1, 0; 2003 NA, 3, 1, 0; 2003 NB, 6, 2, 49; 2003 NC, 3, 1, 0; 2003 ND, 3, 1, 0; 2003 NW, 10, 3, 18; 2003 NX, 4, 2, 1; 2003 NY, 3, 1, 0; 2003 NZ, 12, 4, 48; 2003 NV<sub>1</sub> \*, 15, 4, 48; 2003 NW<sub>1</sub>, 5, 2, 15; 2003 NA<sub>2</sub> \*, 3, 1, 0; 2003 NO<sub>4</sub>, 9, 3, 50; 2003 NF<sub>6</sub> \*, 11, 3, 16; 2003 NL<sub>7</sub>, 6, 2, 32; 2003 NP<sub>7</sub>, 1, 1, 0; 2003 OA \*, 10, 4, 32; 2003 OB \*, 17, 5, 49; 2003 OC \*, 8, 3, 2; 2003 OD \*, 6, 3, 2; 2003 OE \*, 7, 3, 2; 2003 OF \*, 10, 3, 2; 2003 OG \*, 7, 3, 2; 2003 OH \*, 15, 5, 49; 2003 OJ \*, 12, 4, 32; 2003 OL \*, 8, 2, 1; 2003 OU, 8, 3, 45; 2003 OV, 3, 1, 0; 2003 OT<sub>2</sub>, 3, 1, 0; 2003 OC<sub>3</sub>, 1, 1, 0; 2003 OF<sub>3</sub>, 3, 1, 0; 2003 OB<sub>4</sub>, 2, 1, 0; 2003 OQ<sub>13</sub>, 3, 1, 0; 2003 OS<sub>13</sub>, 5, 2, 17; 2003 OT<sub>13</sub>, 4, 1, 0; 2003 PN<sub>5</sub>, 2, 1, 0; 2003 PY<sub>10</sub>, 3, 1, 0; 2003 QA, 3, 1, 0; 2003 QC, 6, 2, 17; 2003 QK<sub>5</sub>, 2, 1, 0; 2003 QY<sub>29</sub>, 2, 1, 0; 2003 QZ<sub>29</sub>, 3, 1, 0; 2003 QB<sub>31</sub>, 2, 1, 0; 2003 QM<sub>47</sub>, 7, 4, 3; 2003 QR<sub>79</sub>, 3, 1, 0; 2003 QL<sub>96</sub>, 3, 1, 0; 2003 QO<sub>104</sub>, 7, 3, 3; 2003 RB, 3, 1, 0; 2003 RM, 3, 1, 0; 2003 RS<sub>1</sub>, 11, 3, 3; 2003 RE<sub>5</sub>, 2, 1, 0; 2511 P-L, 1, 1, 0; (2551), 3, 1, 0; (2628), 2, 1, 0; (4122), 1, 1, 0; (4762), 5, 1, 0; (5011), 2, 1, 0; (5381), 6, 2, 2; (7793), 3, 1, 0; (9202), 6, 2, 2; (10670), 2, 1, 0; (15363), 3, 1, 0; (15754), 3, 1, 0; (16795), 3, 1, 0; (18226), 5, 1, 0;

(18384), 3, 1, 0; (18491), 2, 1, 0; (20730), 6, 2, 1; (21052), 2, 1, 0; (21251), 3, 1, 0; (21606), 3, 1, 0; (22391), 4, 1, 0; (22954), 3, 1, 0; (23190), 2, 1, 0; (24033), 3, 1, 0; (25384), 6, 1, 0; (25731), 3, 1, 0; (27234), 6, 2, 15; (29368), 3, 2, 1; (29384), 3, 1, 0; (31196), 5, 1, 0; (34448), 1, 1, 0; (34508), 3, 1, 0; (35425), 3, 1, 0; (35492), 4, 1, 0; (36129), 3, 1, 0; (37020), 2, 1, 0; (38957), 5, 1, 0; (39615), 3, 1, 0; (41289), 2, 1, 0; (45855), 5, 1, 0; (52387), 5, 2, 20; (57874), 2, 1, 0; (58431), 2, 1, 0; (58466), 3, 1, 0; (60101), 3, 1, 0; (60757), 2, 1, 0; (61311), 2, 1, 0; (62299), 3, 1, 0; (65272), 2, 1, 0; *[961, 230, 15\*, 1993/06/18–2003/09/08]*

{8} 2000 HD<sub>25</sub>, 1, 1, 0; 2001 BD<sub>75</sub>, 1, 1, 0; 2001 TG<sub>111</sub>, 1, 1, 0; 2002 YO<sub>1</sub>, 1, 1, 0; 2002 YL<sub>18</sub>, 1, 1, 0; 2003 QU<sub>44</sub>, 1, 1, 0; (13854), 1, 1, 0; (13912), 1, 1, 0; (14521), 1, 1, 0; (14606), 1, 1, 0; (14671), 1, 1, 0; (14674), 1, 1, 0; (15112), 1, 1, 0; (15118), 1, 1, 0; (15171), 1, 1, 0; (15295), 1, 1, 0; (15773), 1, 1, 0; (15847), 1, 1, 0; (15893), 1, 1, 0; (16029), 1, 1, 0; (16124), 1, 1, 0; (16202), 1, 1, 0; (16602), 1, 1, 0; (16611), 1, 1, 0; (16621), 1, 1, 0; (17247), 1, 1, 0; (17790), 1, 1, 0; (18131), 1, 1, 0; (18411), 1, 1, 0; (18955), 1, 1, 0; (23439), 1, 1, 0; (23766), 1, 1, 0; (24112), 1, 1, 0; (24240), 1, 1, 0; (24272), 1, 1, 0; (24274), 1, 1, 0; (31690), 1, 1, 0; (35591), 1, 1, 0; (37398), 1, 1, 0; (38433), 1, 1, 0; (43423), 1, 1, 0; (49642), 1, 1, 0; (50175), 1, 1, 0; (55390), 1, 1, 0; (55781), 1, 1, 0; (57557), 1, 1, 0; (57762), 1, 1, 0; (57835), 1, 1, 0; (58579), 1, 1, 0; (58867), 1, 1, 0; (59144), 1, 1, 0; (59530), 1, 1, 0; (60936), 1, 1, 0; (61879), 1, 1, 0; (62425), 1, 1, 0; (64027), 1, 1, 0; (64167), 1, 1, 0; *[57, 57, 0\*, 1993/04/16–1993/04/21]*

## 422 Loomberah

G. J. Garradd, P.O. Box 157, Tamworth, NSW 2340, Australia

[loomberah@ozemail.com.au]

0.45-m  $f/5.4$  reflector + CCD

GSC-ACT, UCAC-1

(1263), 8, 1, 0; (2105), 15, 1, 0; *[23, 2, 0\*, 2003/07/06]*

## 423 North Ryde

S. G. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia

[stephenmca@optusnet.com.au]

0.20-m  $f/4$  hyperbolic astrograph + CCD

USNO-A2.0

1979 VS<sub>2</sub>, 14, 4, 37; 1997 EH<sub>46</sub>, 4, 2, 14; 1999 TU<sub>187</sub>, 12, 4, 26; 1999 VH<sub>12</sub>, 8, 2, 24; 2000 RQ<sub>49</sub>, 3, 1, 0; 2000 SM<sub>177</sub>, 2, 1, 0; 2000 WH<sub>126</sub>, 2, 1, 0; 2000 XP<sub>6</sub>, 2, 1, 0; 2000 XK<sub>13</sub>, 2, 1, 0; 2000 XX<sub>18</sub>, 4, 2, 12; 2001 CT<sub>38</sub>, 8, 3, 29; *[61, 11, 0\*, 2003/05/30–2003/09/04]*

## 426 Woomera

F. B. Zoltowski, Tebbutt Observatory, 70 Abajo Dr., Edgewood, NM 87015, U.S.A.

[fbzolt@compuserve.com]

0.30-m  $f/10$  Schmidt-Cassegrain + CCD

USNO-SA2.0

1999 RN<sub>247</sub>, 3, 1, 0; 2001 SE<sub>315</sub>, 3, 1, 0; (61489), 3, 1, 0; *[9, 3, 0\*, 1999/06/14–1999/07/23]*

## 428 Reedy Creek

J. Broughton, 18 Branch Crescent, Reedy Creek, QLD 4228, Australia

[reedycrk@dingobluenet.net.au]

0.25-m  $f/7.2$  Schmidt-Cassegrain + CCD

USNO-SA2.0, UCAC-1, GSC-ACT, UCAC-2

1988 RH<sub>4</sub>, 2, 1, 0; 1988 SM, 2, 1, 0; 1990 QY<sub>5</sub>, 2, 1, 0; 1994 PP<sub>14</sub>, 2, 1, 0; 1995 UR<sub>22</sub>, 2, 1, 0; 1996 GT, 5, 2, 40; 1996 XX<sub>20</sub>, 5, 3, 13; 1997 AE<sub>12</sub>, 3, 1, 0; 1997 AF<sub>14</sub>, 6, 3, 23; 1997 EN<sub>11</sub>, 3, 2, 28; 1997 YY<sub>16</sub>, 2, 1, 0; 1998 AE<sub>2</sub>, 5, 3, 2; 1998 BY<sub>33</sub>, 1, 1, 0; 1998 FF<sub>82</sub>, 2, 2, 1; 1998 FQ<sub>122</sub>, 4, 2, 7; 1998 HB<sub>6</sub>, 2, 1, 0; 1998 KU<sub>58</sub>, 2, 1, 0; 1998 LW<sub>1</sub>, 3, 2, 1; 1998 QX<sub>27</sub>, 1, 1, 0; 1998 QJ<sub>74</sub>, 1, 1, 0; 1998 QZ<sub>100</sub>, 5, 3, 3; 1998 SR<sub>22</sub>, 1, 1, 0; 1998 SX<sub>59</sub>, 1, 1, 0; 1998 SF<sub>160</sub>, 2, 1, 0; 1999 CZ<sub>42</sub>, 1, 1, 0; 1999 CH<sub>100</sub>, 1, 1, 0; 1999 FB<sub>3</sub>, 2, 1, 0; 1999 FN<sub>34</sub>, 2, 1, 0; 1999 GA<sub>34</sub>, 4, 2, 2; 1999 JJ<sub>3</sub>, 4, 2, 1; 1999 JB<sub>5</sub>, 2, 1, 0; 1999 JT<sub>12</sub>, 3, 1, 0; 1999 JT<sub>18</sub>, 2, 1, 0; 1999 JW<sub>22</sub>, 2, 1, 0; 1999 JG<sub>32</sub>, 1, 1, 0; 1999 JV<sub>32</sub>, 3, 2, 1; 1999 JQ<sub>37</sub>, 2, 1, 0; 1999 JD<sub>38</sub>, 2, 1, 0; 1999 JR<sub>40</sub>, 2, 1, 0; 1999 JO<sub>49</sub>, 2, 1, 0; 1999 JK<sub>50</sub>, 2, 2, 2; 1999 JD<sub>68</sub>, 2, 1, 0; 1999 JW<sub>71</sub>, 3, 2, 7; 1999 JU<sub>82</sub>, 1, 1, 0; 1999 JN<sub>87</sub>, 2, 1, 0; 1999 JP<sub>88</sub>, 4, 2, 8; 1999 JA<sub>103</sub>, 5, 3, 12; 1999 JG<sub>105</sub>, 3, 3, 20; 1999 JB<sub>117</sub>, 2, 1, 0; 1999 JE<sub>119</sub>, 2, 1, 0; 1999 JU<sub>126</sub>, 1, 1, 0; 1999 LP, 2, 2, 1; 1999 LT<sub>7</sub>, 11, 3, 10; 1999 LP<sub>20</sub>, 2, 1, 0; 1999 NC<sub>38</sub>, 1, 1, 0; 1999 NQ<sub>38</sub>, 5, 3, 33; 1999 NF<sub>61</sub>, 2, 1, 0; 1999 PV<sub>31</sub>, 1, 1, 0; 1999 PO<sub>4</sub>, 2, 1, 0; 1999 RK<sub>13</sub>, 3, 2, 35; 1999 RJ<sub>15</sub>, 1, 1, 0; 1999 RJ<sub>19</sub>, 1, 1, 0; 1999 RC<sub>30</sub>, 2, 1, 0; 1999 RB<sub>39</sub>, 4, 2, 27; 1999 RL<sub>42</sub>, 2, 1, 0; 1999 RV<sub>49</sub>, 2, 1, 0; 1999 RX<sub>87</sub>, 2, 1, 0; 1999 RP<sub>113</sub>, 2, 1, 0; 1999 RL<sub>124</sub>, 2, 1, 0; 1999 RH<sub>127</sub>, 2, 1, 0; 1999 RC<sub>131</sub>, 4, 2, 1; 1999 RD<sub>137</sub>, 2, 1, 0; 1999 RZ<sub>153</sub>, 4, 2, 10;

1999 RJ<sub>174</sub>, 2, 1, 0; 1999 RQ<sub>184</sub>, 2, 1, 0; 1999 RJ<sub>185</sub>, 2, 1, 0; 1999 RT<sub>195</sub>, 2, 1, 0; 1999 RG<sub>199</sub>, 2, 1, 0; 1999 RU<sub>200</sub>, 2, 1, 0; 1999 RZ<sub>203</sub>, 2, 1, 0; 1999 RN<sub>210</sub>, 2, 1, 0; 1999 RA<sub>212</sub>, 1, 1, 0; 1999 RL<sub>231</sub>, 6, 3, 5; 1999 RX<sub>251</sub>, 1, 1, 0; 1999 TD<sub>21</sub>, 2, 1, 0; 1999 TN<sub>89</sub>, 2, 1, 0; 1999 TT<sub>95</sub>, 1, 1, 0; 1999 TS<sub>99</sub>, 2, 1, 0; 1999 TB<sub>140</sub>, 1, 1, 0; 1999 TF<sub>144</sub>, 4, 2, 1; 1999 TB<sub>163</sub>, 3, 2, 1; 1999 TX<sub>187</sub>, 4, 2, 1; 1999 TA<sub>215</sub>, 1, 1, 0; 1999 TD<sub>223</sub>, 2, 1, 0; 1999 TR<sub>241</sub>, 3, 2, 7; 1999 UH<sub>8</sub>, 2, 1, 0; 1999 UD<sub>40</sub>, 1, 1, 0; 1999 VX<sub>5</sub>, 2, 1, 0; 1999 VM<sub>22</sub>, 1, 1, 0; 1999 VR<sub>35</sub>, 2, 1, 0; 1999 VE<sub>48</sub>, 2, 1, 0; 1999 VA<sub>64</sub>, 2, 1, 0; 1999 VO<sub>66</sub>, 1, 1, 0; 1999 VD<sub>121</sub>, 2, 1, 0; 1999 VY<sub>168</sub>, 1, 1, 0; 1999 VY<sub>171</sub>, 2, 1, 0; 1999 VP<sub>194</sub>, 2, 2, 1; 1999 VJ<sub>197</sub>, 1, 1, 0; 1999 WQ<sub>8</sub>, 1, 1, 0; 1999 WF<sub>12</sub>, 1, 1, 0; 1999 WY<sub>18</sub>, 2, 1, 0; 1999 XF<sub>19</sub>, 7, 4, 25; 1999 XA<sub>20</sub>, 2, 1, 0; 1999 XQ<sub>40</sub>, 5, 3, 47; 1999 XG<sub>54</sub>, 2, 1, 0; 1999 XG<sub>70</sub>, 5, 3, 8; 1999 XR<sub>86</sub>, 2, 1, 0; 1999 XE<sub>89</sub>, 2, 1, 0; 1999 XL<sub>90</sub>, 3, 2, 27; 1999 XB<sub>92</sub>, 1, 1, 0; 1999 XX<sub>93</sub>, 2, 2, 24; 1999 XY<sub>124</sub>, 10, 5, 8; 1999 XS<sub>137</sub>, 3, 2, 20; 1999 XN<sub>170</sub>, 2, 1, 0; 1999 XX<sub>197</sub>, 2, 1, 0; 1999 XF<sub>203</sub>, 2, 1, 0; 1999 XB<sub>212</sub>, 2, 1, 0; 1999 XC<sub>230</sub>, 2, 1, 0; 1999 XU<sub>233</sub>, 4, 3, 7; 1999 XN<sub>249</sub>, 5, 3, 27; 1999 YB<sub>6</sub>, 2, 1, 0; 2000 AS<sub>82</sub>, 2, 1, 0; 2000 AA<sub>104</sub>, 2, 1, 0; 2000 AT<sub>161</sub>, 2, 1, 0; 2000 AP<sub>165</sub>, 4, 2, 4; 2000 AN<sub>170</sub>, 1, 1, 0; 2000 DP<sub>32</sub>, 4, 2, 20; 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2000 XP<sub>19</sub>, 2, 1, 0; 2000 XT<sub>29</sub>, 2, 1, 0; 2000 XT<sub>33</sub>, 1, 1, 0; 2000 XT<sub>35</sub>, 3, 2, 18; 2000 XF<sub>40</sub>, 2, 1, 0; 2000 YY<sub>56</sub>, 6, 3, 28; 2000 YJ<sub>66</sub>, 2, 1, 0; 2000 YV<sub>85</sub>, 4, 2, 3; 2000 YU<sub>108</sub>, 1, 1, 0; 2000 YO<sub>115</sub>, 2, 1, 0; 2000 YV<sub>129</sub>, 5, 2, 1; 2001 AJ<sub>20</sub>, 6, 3, 13; 2001 AT<sub>20</sub>, 1, 1, 0; 2001 AG<sub>35</sub>, 2, 1, 0; 2001 AJ<sub>44</sub>, 3, 2, 1; 2001 AC<sub>49</sub>, 2, 1, 0; 2001 BH<sub>1</sub>, 2, 1, 0; 2001 BS<sub>5</sub>, 1, 1, 0; 2001 BT<sub>5</sub>, 2, 1, 0; 2001 BE<sub>9</sub>, 6, 3, 7; 2001 BP<sub>16</sub>, 2, 1, 0; 2001 BW<sub>21</sub>, 2, 1, 0; 2001 BK<sub>45</sub>, 1, 1, 0; 2001 CX<sub>10</sub>, 2, 1, 0; 2001 CQ<sub>27</sub>, 2, 1, 0; 2001 CS<sub>27</sub>, 1, 1, 0; 2001 CD<sub>28</sub>, 1, 1, 0; 2001 CV<sub>28</sub>, 4, 2, 1; 2001 CQ<sub>47</sub>, 6, 3, 2; 2001 DL<sub>92</sub>, 1, 1, 0; 2001 DB<sub>95</sub>, 4, 3, 5; 2001 EL<sub>14</sub>, 2, 1, 0; 2001 FV<sub>69</sub>, 1, 1, 0; 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2003 JZ<sub>3</sub>, 3, 2, 3; 2003 JN<sub>13</sub>, 4, 2, 1; 2003 JB<sub>17</sub>, 1, 1, 0; 2003 JO<sub>17</sub>, 4, 4, 64; 2003 KT, 4, 3, 27; 2003 KU, 2, 1, 0; 2003 KN, 3, 2, 21; 2003 KQ<sub>3</sub>, 4, 2, 15; 2003 KR<sub>3</sub>, 3, 2, 4; 2003 KT<sub>3</sub>, 3, 2, 17; 2003 KU<sub>3</sub>, 3, 2, 22; 2003 KW<sub>3</sub>, 4, 3, 14; 2003 KX<sub>3</sub>, 3, 2, 13; 2003 KY<sub>3</sub>, 2, 2, 6; 2003 KZ<sub>2</sub>, 2, 2, 6; 2003 KA<sub>4</sub>, 2, 1, 0; 2003 KB<sub>4</sub>, 2, 1, 0; 2003 KC<sub>4</sub>, 1, 1, 0;

2003 LV<sub>3</sub>, 3, 2, 18; 2003 LW<sub>3</sub>, 4, 3, 12; 2003 LX<sub>3</sub>, 3, 2, 11; 2003 LY<sub>3</sub>, 7, 4, 25; 2003 LZ<sub>3</sub>, 5, 3, 20; 2003 LA<sub>4</sub>, 4, 2, 1; 2003 LC<sub>5</sub>, 6, 3, 25; 2003 LU<sub>5</sub>, 8, 3, 20; 2003 LW<sub>5</sub>, 5, 2, 19; 2003 LX<sub>5</sub>, 16, 10, 28; 2003 LH<sub>6</sub>, 9, 4, 13; 2003 LW<sub>6</sub>, 5, 3, 2; 2003 LX<sub>6</sub>, 4, 3, 2; 2003 LY<sub>6</sub>, 7, 4, 19; 2003 LA<sub>7</sub>, 3, 1, 0; 2003 MG\*, 12, 8, 28; 2003 MH\*, 8, 5, 18; 2003 MJ\*, 12, 6, 27; 2003 MU\*, 13, 4, 16; 2003 MT<sub>1</sub>, 2, 1, 0; 2003 MU<sub>1</sub>, 3, 2, 1; 2003 MC<sub>2</sub>, 2, 1, 0; 2003 MT<sub>2</sub>, 3, 1, 0; 2003 MX<sub>2</sub>, 2, 1, 0; 2003 ML<sub>3</sub>, 8, 5, 26; 2003 MM<sub>3</sub>, 5, 2, 1; 2003 MP<sub>3</sub>, 4, 2, 1; 2003 MS<sub>3</sub>, 1, 1, 0; 2003 MY<sub>3</sub>, 8, 5, 21; 2003 MJ<sub>4</sub>, 5, 2, 1; 2003 MK<sub>4</sub>, 5, 2, 1; 2003 MW<sub>5</sub>, 3, 1, 0; 2003 MV<sub>9</sub>, 6, 4, 19; 2003 MW<sub>9</sub>, 7, 4, 19; 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2003 OO<sub>13</sub>, 4, 2, 1; 2003 OP<sub>13</sub>, 6, 3, 8; 2003 OQ<sub>13</sub>, 9, 3, 2; 2003 OW<sub>13</sub>, 9, 4, 23; 2003 OX<sub>13</sub>, 12, 5, 24; 2003 ON<sub>17</sub>, 8, 4, 25; 2003 OO<sub>17</sub>, 4, 2, 1; 2003 OP<sub>17</sub>, 4, 2, 1; 2003 OQ<sub>17</sub>, 6, 3, 6; 2003 OR<sub>17</sub>, 4, 2, 1; 2003 OS<sub>17</sub>, 8, 5, 22; 2003 OT<sub>17</sub>, 5, 3, 7; 2003 OU<sub>17</sub>, 6, 3, 7; 2003 OV<sub>17</sub>, 4, 2, 1; 2003 OW<sub>17</sub>, 6, 3, 7; 2003 OX<sub>17</sub>, 5, 3, 7; 2003 OY<sub>17</sub>, 7, 4, 21; 2003 OZ<sub>17</sub>, 8, 4, 6; 2003 ON<sub>20</sub>, 7, 3, 4; 2003 OO<sub>20</sub>, 4, 3, 2; 2003 OP<sub>20</sub>, 4, 2, 1; 2003 OQ<sub>20</sub>, 6, 3, 5; 2003 OR<sub>20</sub>, 7, 4, 20; 2003 OS<sub>20</sub>, 7, 4, 20; 2003 OT<sub>20</sub>, 8, 5, 5; 2003 OU<sub>20</sub>, 7, 5, 20; 2003 OV<sub>20</sub>, 6, 3, 5; 2003 OW<sub>20</sub>, 7, 4, 8; 2003 OX<sub>20</sub>, 5, 3, 2; 2003 OY<sub>20</sub>, 4, 2, 1; 2003 ON<sub>21</sub>, 6, 3, 2; 2003 OO<sub>21</sub>, 6, 3, 4; 2003 PE\*, 7, 4, 33; 2003 PF\*, 4, 2, 1; 2003 PG\*, 4, 2, 1; 2003 PH\*, 8, 4, 33; 2003 PH<sub>4</sub>, 9, 4, 32; 2003 PJ<sub>4</sub>, 6, 3, 17; 2003 PK<sub>4</sub>, 6, 3, 17; 2003 PL<sub>4</sub>, 4, 2, 1; 2003 PK<sub>11</sub>, 7, 4, 17; 2003 PL<sub>11</sub>, 4, 2, 1; 2003 QK<sub>5</sub>, 3, 1, 0; 2003 QU\*, 6, 4, 12; 2003 QV<sub>9</sub>, 6, 3, 9; 2003 QW<sub>9</sub>, 6, 3, 13; 2003 QX<sub>9</sub>, 7, 4, 9; 2003 QY<sub>9</sub>, 6, 3, 9; 2003 QZ<sub>9</sub>, 6, 3, 9; 2003 QA<sub>10</sub>, 8, 4, 12; 2003 QW<sub>10</sub>, 2, 1, 0; 2003 QX<sub>10</sub>, 2, 1, 0; 2003 QD<sub>30</sub>, 5, 3, 9; 2003 QE<sub>30</sub>, 4, 2, 2; 2003 QF<sub>30</sub>, 5, 3, 7; 2003 QG<sub>30</sub>, 6, 3, 10; 2003 QH<sub>30</sub>, 6, 3, 10; 2003 QJ<sub>30</sub>, 5, 3, 8; 2003 QK<sub>30</sub>, 7, 4, 8; 2003 QL<sub>30</sub>, 8, 4, 10; 2003 QM<sub>40</sub>, 4, 2, 2; 2003 QS<sub>46</sub>, 2, 1, 0; 2003 QX<sub>68</sub>, 6, 3, 9; 2003 QY<sub>68</sub>, 6, 3, 7; 2003 QZ<sub>68</sub>, 6, 3, 8; 2003 QA<sub>69</sub>, 6, 3, 8; 2003 QB<sub>69</sub>, 10, 5, 9; 2003 QC<sub>69</sub>, 6, 3, 8; 2003 QF<sub>73</sub>, 4, 2, 1; 2003 QT<sub>79</sub>, 4, 2, 1; 2003 QV<sub>79</sub>, 6, 3, 3; 2003 QW<sub>79</sub>, 5, 3, 2; 2003 QX<sub>79</sub>, 6, 4, 10; 2003 QY<sub>79</sub>, 6, 3, 4; 2003 QZ<sub>79</sub>, 5, 3, 8; 2003 QA<sub>80</sub>, 6, 3, 8; 2003 QD<sub>99</sub>, 4, 2, 1; 2003 QH<sub>104</sub>, 4, 2, 5; 2003 QJ<sub>104</sub>, 6, 4, 5; 2003 QK<sub>104</sub>, 6, 3, 5; 2003 QL<sub>104</sub>, 6, 3, 5; 2003 RB, 3, 1, 0; 2003 RM, 3, 1, 0; 2003 RN<sub>1</sub>, 4, 2, 1; 2003 RO<sub>1</sub>, 4, 2, 1; 2003 RP<sub>1</sub>, 11, 4, 3; 2003 RQ<sub>1</sub>, 4, 2, 1; 2003 RR<sub>1</sub>, 4, 2, 1; 2003 RF<sub>2</sub>, 5, 3, 2; 2003 RG<sub>2</sub>, 4, 2, 1; 2003 RH<sub>2</sub>, 4, 2, 1; 2003 RR<sub>7</sub>, 5, 3, 2; 2003 RS<sub>7</sub>, 4, 2, 1; 2003 RT<sub>7</sub>, 5, 2, 1; 2003 RU<sub>7</sub>, 5, 2, 1; 2003 RV<sub>7</sub>, 4, 2, 1; 3504 P-L, 1, 1, 0; 9564 P-L, 1, 1, 0; (49), 2, 1, 0; (87), 2, 1, 0; (115), 2, 1, 0; (141), 1, 1, 0; (162), 6, 4, 12; (503), 4, 3, 19; (514), 2, 1, 0; (579), 1, 1, 0; (629), 2, 1, 0; (720), 2, 1, 0; (860), 1, 1, 0; (932), 1, 1, 0; (942), 4, 2, 22; (1113), 1, 1, 0; (1185), 1, 1, 0; (1423), 2, 1, 0; (1504), 2, 2, 19; (1594), 2, 1, 0; (1633), 1, 1, 0; (1641), 2, 1, 0; (1663), 2, 1, 0; (2057), 4, 1, 0; (2065), 3, 2, 16; (2117), 1, 1, 0; (2120), 1, 1, 0; (2526), 1, 1, 0; (2693), 2, 1, 0; (2774), 1, 1, 0; (2828), 4, 3, 8; (3085), 1, 1, 0; (3278), 1, 1, 0; (3334), 1, 1, 0; (3380), 2, 1, 0; (3414), 2, 1, 0; (3624), 1, 1, 0; (3697), 1, 1, 0; (3711), 1, 1, 0; (3744), 2, 1, 0; (3770), 1, 1, 0; (3816), 2, 1, 0; (4067), 2, 1, 0; (4226), 1, 1, 0; (4400), 3, 2, 1; (4717), 2, 1, 0; (4721), 2, 1, 0; (4811), 1, 1, 0; (4989), 2, 1, 0; (5578), 1, 1, 0; (5806), 1, 1, 0; (5822), 1, 1, 0; (5877), 2, 1, 0; (6308), 1, 1, 0; (6315), 2, 1, 0; (6412), 2, 1, 0; (6784), 2, 1, 0; (6850), 5, 2, 3; (6890), 1, 1, 0; (7051), 1, 1, 0; (7153), 1, 1, 0; (7221), 6, 3, 8; (7230), 4, 2, 1; (7512), 2, 1, 0; (7770), 6, 3, 12; (8149), 2, 1, 0; (8207), 1, 1, 0; (8233), 2, 1, 0; (8454), 4, 2, 1; (8655), 2, 1, 0; (8824), 1, 1, 0; (8847), 1, 1, 0; (9078), 1, 1, 0; (9195), 3, 2, 1; (9971), 2, 2, 5; (10037), 1, 1, 0; (10178), 2, 1, 0; (10446), 2, 1, 0; (10719), 1, 1, 0; (10775), 4, 2, 1; (10843), 1, 1, 0; (10947), 2, 1, 0; (11091), 1, 1, 0; (11328), 1, 1, 0; (11550), 1, 1, 0; (11558), 2, 1, 0; (11754), 1, 1, 0; (11791), 6, 4, 15; (11908), 1, 1, 0; (12095), 1, 1, 0; (12243), 2, 1, 0; (12587), 3, 3, 2; (12594), 2, 1, 0; (12625), 3, 2, 1; (15519), 3, 1, 0; (15723), 2, 1, 0; (15781), 4, 2, 1; (16396), 2, 1, 0; (16470), 2, 1, 0; (16664), 1,

1, 0; (16728), 1, 1, 0; (16729), 1, 1, 0; (16867), 1, 1, 0; (16973), 1, 1, 0; (16982), 3, 2, 1; (16995), 4, 2, 13; (17050), 2, 1, 0; (17086), 1, 1, 0; (17178), 1, 1, 0; (17295), 2, 1, 0; (17404), 2, 1, 0; (17507), 1, 1, 0; (17545), 4, 3, 17; (17705), 1, 1, 0; (18180), 1, 1, 0; (18196), 1, 1, 0; (18325), 1, 1, 0; (18401), 2, 1, 0; (18768), 1, 1, 0; (18791), 3, 2, 3; (18966), 3, 2, 1; (18994), 1, 1, 0; (19057), 2, 2, 7; (19257), 2, 1, 0; (19341), 2, 1, 0; (19556), 2, 1, 0; (19586), 2, 1, 0; (19683), 1, 1, 0; (19688), 2, 1, 0; (19869), 2, 1, 0; (19958), 2, 1, 0; (20041), 4, 2, 11; (20202), 1, 1, 0; (20257), 1, 1, 0; (20356), 1, 1, 0; (20373), 1, 1, 0; (20374), 2, 1, 0; (20540), 1, 1, 0; (20564), 3, 2, 19; (20788), 3, 1, 0; (20810), 2, 1, 0; (20960), 1, 1, 0; (21539), 1, 1, 0; (21573), 2, 1, 0; (21714), 2, 1, 0; (22518), 2, 1, 0; (22673), 1, 1, 0; (22702), 1, 1, 0; (22770), 2, 1, 0; (22972), 2, 1, 0; (23240), 1, 1, 0; (23254), 2, 1, 0; (23335), 1, 1, 0; (23866), 2, 1, 0; (24460), 2, 1, 0; (25928), 1, 1, 0; (27238), 1, 1, 0; (30808), 1, 1, 0; (31177), 3, 2, 11; (31737), 2, 1, 0; (32178), 1, 1, 0; (32319), 2, 2, 4; (32738), 2, 1, 0; (32912), 3, 2, 5; (32914), 3, 2, 1; (32986), 2, 1, 0; (33036), 1, 1, 0; (33082), 1, 1, 0; (33084), 1, 1, 0; (33358), 2, 1, 0; (33380), 4, 2, 17; (33393), 3, 2, 26; (33460), 2, 1, 0; (33471), 2, 1, 0; (33522), 3, 1, 0; (33556), 5, 2, 19; (33562), 2, 1, 0; (33600), 2, 2, 1; (33621), 1, 1, 0; (33765), 2, 2, 1; (33941), 2, 1, 0; (34163), 2, 1, 0; (34224), 2, 1, 0; (34502), 2, 1, 0; (35085), 2, 1, 0; (35439), 2, 1, 0; (35502), 2, 1, 0; (35508), 1, 1, 0; (35694), 2, 1, 0; (35723), 2, 1, 0; (36034), 1, 1, 0; (36136), 2, 2, 1; (36152), 1, 1, 0; (36201), 1, 1, 0; (36257), 2, 1, 0; (36261), 1, 1, 0; (36552), 1, 1, 0; (36618), 3, 1, 0; (36715), 1, 1, 0; (36809), 1, 1, 0; (36860), 2, 2, 1; (36934), 5, 3, 5; (37072), 4, 2, 11; (37130), 1, 1, 0; (37235), 2, 2, 1; (37511), 2, 1, 0; (37626), 5, 2, 1; (37720), 1, 1, 0; (37880), 2, 1, 0; (38025), 2, 1, 0; (38255), 2, 1, 0; (38267), 1, 1, 0; (38515), 2, 1, 0; (38542), 1, 1, 0; (38567), 2, 1, 0; (38662), 1, 1, 0; (38706), 2, 1, 0; (38780), 1, 1, 0; (38790), 2, 1, 0; (38819), 1, 1, 0; (39282), 1, 1, 0; (39304), 2, 1, 0; (39384), 2, 1, 0; (41670), 2, 1, 0; (41680), 1, 1, 0; (42164), 1, 1, 0; (42597), 3, 2, 7; (43199), 2, 1, 0; (43620), 1, 1, 0; (45836), 3, 1, 0; (45845), 1, 1, 0; (47160), 2, 1, 0; (57906), 1, 1, 0; (58367), 2, 1, 0; (58712), 1, 1, 0; (58875), 1, 1, 0; (58901), 1, 1, 0; (59508), 1, 1, 0; (59540), 1, 1, 0; (59957), 2, 1, 0; (60147), 2, 1, 0; (60266), 4, 2, 1; (61453), 1, 1, 0; (62838), 1, 1, 0; (62897), 1, 1, 0; (62931), 4, 2, 2; (62945), 6, 3, 8; (63078), 2, 1, 0; (63114), 4, 2, 1; (63135), 1, 1, 0; (63143), 2, 1, 0; (63152), 1, 1, 0; (64538), 2, 1, 0; (64633), 2, 1, 0; (65132), 1, 1, 0; [2923, 886, 184\*, 2001/12/16–2003/09/05]

#### 434 S. Benedetto Po

M. Esornati, via Romana 41, Moglia (MN), Italy [esornar@tin.it]

Observers M. Esornati, A. Righelli

0.42-m *f*/5 reflector + CCD

GSC

2002 OA<sub>22</sub>, 3, 1, 0; (1866), 2, 1, 0; (7336), 3, 1, 0; [8, 3, 0\*, 2003/06/19–2003/08/26]

#### 439 ROTSE-III, Los Alamos

C. Akerlof, Randall Laboratory of Physics, University of Michigan, Ann Arbor, MI

48109, U.S.A. [akerlof@umich.edu]

0.45-m *f*/1.9 ROTSE-III telescope + CCD

2001 SC<sub>289</sub>, 1, 1, 0; (15230), 2, 1, 0; (23547), 1, 1, 0; (57446), 1, 1, 0; (60764), 1, 1, 0; [6, 5, 0\*, 2001/10/15–2001/10/25]

#### 441 Swilken Brae, St. Andrews

F. Vincent, 23 Strathkinness High Road, St. Andrews, Fife KY16 9UA, Scotland

[fv@st-and.ac.uk]

0.30-m *f*/6.3 Schmidt-Cass + CCD

GSC-1.3

2003 RS<sub>1</sub>, 4, 1, 0; [4, 1, 0\*, 2003/09/03]

#### 443 Observatorio Astronómico Plomer, Buenos Aires

S. Arlia, Tres Lomas 496, AR-1702 Ciudadela, Buenos Aires, Argentina

[saverio@sinectis.com.ar]

0.15-m *f*/6.0 reflector

ACT

(41), 9, 4, 16; (532), 19, 8, 29; [28, 2, 0\*, 2002/08/10–2003/02/22]

#### 448 Desert Moon Observatory

B. Stevens, 5675 Real del Norte, Las Cruces, NM 88012, U.S.A.

[bstevens@zianet.com]

0.3-m Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2



1997 AE<sub>12</sub>, 3, 1, 0; 1999 CP<sub>108</sub>, 3, 1, 0; 1999 VM<sub>95</sub>, 3, 1, 0; 2000 QR<sub>129</sub>, 3, 1, 0; 2000 RN<sub>103</sub>, 3, 1, 0; 2000 YN<sub>44</sub>, 6, 2, 1; 2001 TA<sub>158</sub>, 3, 1, 0; 2002 AO<sub>3</sub>, 11, 4, 27; 2002 CP<sub>104</sub>, 3, 1, 0; 2003 FG<sub>1</sub>, 3, 1, 0; 2003 GS, 3, 1, 0; 2003 JF<sub>13</sub>, 3, 1, 0; 2003 JC<sub>17</sub>, 3, 1, 0; 2003 KU<sub>2</sub>, 3, 1, 0; 2003 KW<sub>16</sub>, 6, 2, 10; 2003 KR<sub>18</sub>, 3, 1, 0; 2003 KZ<sub>18</sub>, 9, 3, 11; 2003 LN<sub>6</sub>, 10, 3, 13; 2003 LO<sub>6</sub>, 3, 1, 0; 2003 MM, 12, 4, 26; 2003 MO, 6, 2, 3; 2003 MT, 6, 2, 32; 2003 MU, 4, 1, 0; 2003 ME<sub>1</sub>, 6, 2, 7; 2003 MX<sub>2</sub>, 6, 2, 8; 2003 MA<sub>3</sub>, 3, 1, 0; 2003 MJ<sub>4</sub>, 3, 1, 0; 2003 MK<sub>4</sub>, 9, 3, 13; 2003 MD<sub>7</sub>, 10, 3, 12; 2003 ME<sub>7</sub>, 13, 4, 12; 2003 MV<sub>7</sub>, 6, 2, 5; 2003 NA, 3, 1, 0; 2003 NB, 9, 3, 13; 2003 NC, 6, 2, 7; 2003 NW<sub>1</sub>, 3, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 NP<sub>7</sub>, 13, 4, 18; 2003 OK \*, 12, 4, 45; 2003 OU, 6, 2, 4; 2003 OV, 11, 3, 13; 2003 OA<sub>3</sub>, 5, 2, 15; 2003 OS<sub>6</sub>, 6, 2, 8; 2003 OS<sub>13</sub>, 10, 3, 15; 2003 OT<sub>13</sub>, 3, 1, 0; 2003 PY<sub>10</sub>, 3, 1, 0; 2003 PB<sub>11</sub>, 3, 1, 0; 2003 QH<sub>5</sub>, 7, 2, 12; 2003 QW<sub>30</sub>, 3, 1, 0; 2003 QB<sub>31</sub>, 3, 1, 0; 2003 QM<sub>47</sub>, 3, 1, 0; 2003 QN<sub>47</sub>, 3, 1, 0; 2003 QF<sub>70</sub>, 3, 1, 0; 2003 QL<sub>96</sub>, 3, 1, 0; 2003 QN<sub>99</sub>, 4, 1, 0; 2003 RB, 12, 3, 6; 2003 RM, 3, 1, 0; 2003 RC<sub>2</sub>, 3, 1, 0; 2003 RE<sub>2</sub>, 7, 2, 4; 2003 RP<sub>8</sub>, 3, 1, 0; 2003 RQ<sub>8</sub>, 3, 1, 0; 2003 RR<sub>8</sub>, 3, 1, 0; 2003 RS<sub>8</sub>, 3, 1, 0; (10719), 3, 1, 0; (11600), 2, 1, 0; (16903), 3, 1, 0; (22660), 3, 1, 0; (22978), 3, 1, 0; (38544), 3, 1, 0; (41390), 2, 1, 0; (43041), 3, 1, 0; (59756), 3, 1, 0; [355, 71, 1\*, 2003/03/26–2003/09/08]

#### 460 Area 52 Observatory, Nashville

R. Clingan, 305 Anglewood Dr., Nashville, AR 71852, U.S.A.

[bigeye@cswnet.com]

0.30-m Schmidt-Cassegrain + CCD

USNO-A2.0

1999 NG<sub>46</sub>, 4, 2, 1; 2000 GN<sub>28</sub>, 2, 1, 0; 2000 SS<sub>214</sub>, 2, 1, 0; 2000 UF<sub>50</sub>, 3, 1, 0; 2002 DB<sub>3</sub>, 8, 4, 11; 2003 HB<sub>2</sub>, 2, 1, 0; 2003 HA<sub>6</sub>, 4, 2, 13; 2003 KV<sub>7</sub>, 4, 2, 1; 2003 KV<sub>16</sub>, 3, 1, 0; 2003 MK \*, 8, 4, 3; 2003 ML \*, 11, 5, 12; 2003 MO<sub>8</sub>, 2, 1, 0; 2003 NA<sub>1</sub> \*, 8, 2, 1; 2003 NB<sub>1</sub> \*, 5, 2, 1; 2003 OF<sub>11</sub> \*, 4, 2, 5; 2003 QW<sub>28</sub>, 2, 1, 0; 2003 QQ<sub>68</sub>, 2, 1, 0; (17552), 4, 2, 5; (21627), 2, 1, 0; (60127), 3, 1, 0; (63002), 2, 1, 0; [85, 21, 5\*, 2002/03/05–2003/08/30]

#### 461 Szeged University, Piskéstető Stn. (Konkoly)

K. Sárneczky, P.O. Box 406, H-6701 Szeged, Hungary [sky@titan.physx.u-szeged.hu]

Observers K. Sárneczky, B. Sipőcz

0.60-m Schmidt + CCD

USNO-A2.0

1981 EV<sub>35</sub>, 3, 1, 0; 1990 OL, 3, 1, 0; 1998 DC<sub>2</sub>, 2, 1, 0; 1998 FV<sub>46</sub>, 2, 1, 0; 1998 MX<sub>5</sub>, 4, 1, 0; 1998 QH<sub>2</sub>, 6, 2, 60; 1998 SS<sub>6</sub>, 5, 2, 2; 1999 JY<sub>56</sub>, 2, 1, 0; 1999 JZ<sub>131</sub>, 10, 1, 0; 1999 RE<sub>28</sub>, 27, 6, 12; 1999 RR<sub>96</sub>, 13, 3, 2; 1999 SC<sub>10</sub>, 13, 2, 1; 1999 TQ<sub>18</sub>, 9, 1, 0; 1999 TP<sub>103</sub>, 20, 5, 4; 2000 AP<sub>4</sub>, 7, 2, 2; 2000 DY<sub>107</sub>, 4, 1, 0; 2000 DQ<sub>111</sub>, 2, 1, 0; 2000 HD, 7, 2, 48; 2000 QQ<sub>154</sub>, 5, 2, 2; 2000 RP<sub>66</sub>, 3, 1, 0; 2000 SN<sub>18</sub>, 4, 1, 0; 2000 SQ<sub>66</sub>, 16, 4, 3; 2000 SA<sub>161</sub>, 6, 2, 2; 2000 WA<sub>36</sub>, 4, 1, 0; 2000 XV<sub>5</sub>, 4, 1, 0; 2000 YA<sub>32</sub>, 14, 3, 2; 2001 AC, 18, 4, 48; 2001 AL<sub>6</sub>, 11, 2, 10; 2001 AW<sub>38</sub>, 8, 2, 2; 2001 BZ<sub>15</sub>, 8, 2, 1; 2001 BY<sub>53</sub>, 4, 1, 0; 2001 DC<sub>27</sub>, 2, 1, 0; 2001 FS<sub>16</sub>, 15, 3, 3; 2001 FY<sub>190</sub>, 5, 2, 2; 2001 LF, 4, 1, 0; 2001 MK<sub>3</sub>, 2, 1, 0; 2001 QU<sub>118</sub>, 2, 1, 0; 2001 SL<sub>9</sub>, 4, 1, 0; 2001 SC<sub>107</sub>, 3, 1, 0; 2001 VV<sub>114</sub>, 4, 2, 1; 2001 XN<sub>31</sub>, 4, 1, 0; 2001 XE<sub>242</sub>, 12, 2, 1; 2001 YD<sub>5</sub>, 9, 2, 3; 2001 YF<sub>87</sub>, 5, 1, 0; 2002 AG<sub>11</sub>, 7, 2, 2; 2002 AZ<sub>56</sub>, 4, 1, 0; 2002 CW<sub>53</sub>, 2, 1, 0; 2002 CT<sub>227</sub>, 17, 3, 2; 2002 CQ<sub>247</sub>, 3, 1, 0; 2002 EV<sub>19</sub>, 5, 1, 0; 2002 FD<sub>11</sub>, 11, 2, 1; 2002 GY<sub>21</sub>, 3, 1, 0; 2002 GD<sub>49</sub>, 24, 5, 4; 2002 GA<sub>86</sub>, 9, 2, 1; 2002 HB<sub>12</sub>, 3, 1, 0; 2002 JS<sub>105</sub>, 3, 1, 0; 2002 LG<sub>52</sub>, 13, 3, 2; 2003 BB<sub>43</sub>, 4, 1, 0; 2003 ED<sub>54</sub>, 4, 1, 0; 2003 FS<sub>2</sub>, 3, 1, 0; 2003 FU<sub>6</sub>, 4, 1, 0; 2003 FV<sub>6</sub>, 4, 1, 0; 2003 FD<sub>7</sub>, 9, 2, 3; 2003 FE<sub>7</sub>, 12, 2, 3; 2003 FG<sub>7</sub>, 8, 2, 3; 2003 FH<sub>7</sub>, 2, 1, 0; 2003 FJ<sub>7</sub>, 7, 2, 3; 2003 FL<sub>7</sub>, 9, 2, 5; 2003 FF<sub>8</sub>, 4, 1, 0; 2003 FP<sub>85</sub>, 2, 1, 0; 2003 FY<sub>102</sub>, 3, 1, 0; 2003 FV<sub>110</sub>, 2, 1, 0; 2003 FJ<sub>129</sub> \*, 6, 2, 1; 2003 GA, 3, 1, 0; 2003 LO<sub>6</sub>, 4, 1, 0; 2003 NO<sub>4</sub>, 6, 1, 0; 2003 NP<sub>4</sub>, 4, 1, 0; 2003 NE<sub>5</sub>, 6, 1, 0; 2003 NH<sub>5</sub> \*, 21, 4, 3; 2003 NW<sub>5</sub> \*, 21, 4, 3; 2003 NX<sub>5</sub> \*, 20, 4, 3; 2003 NY<sub>5</sub> \*, 37, 7, 50; 2003 NE<sub>6</sub>, 2, 1, 0; 2003 NX<sub>6</sub> \*, 11, 2, 1; 2003 NY<sub>6</sub> \*, 13, 2, 1; 2003 NL<sub>7</sub>, 5, 1, 0; 2003 NM<sub>7</sub>, 4, 1, 0; 2003 PR<sub>11</sub>, 6, 1, 0; 2003 QA, 19, 3, 13; 2003 QH<sub>5</sub>, 6, 1, 0; 2003 QK<sub>5</sub>, 4, 1, 0; 2003 QU<sub>5</sub>, 5, 1, 0; 2003 QW<sub>5</sub>, 14, 4, 5; 2003 QU<sub>20</sub>, 3, 1, 0; 2003 QY<sub>69</sub> \*, 12, 2, 1; 2003 QZ<sub>69</sub> \*, 20, 4, 11; 2003 QF<sub>108</sub> \*, 8, 2, 2; 2003 QG<sub>108</sub> \*, 18, 6, 14; 2003 QU<sub>109</sub>, 6, 1, 0; 2003 QZ<sub>109</sub>, 8, 2, 2; 2003 RB<sub>5</sub>, 4, 1, 0; 2003 RJ<sub>5</sub>, 5, 1, 0; 2003 RP<sub>7</sub> \*, 9, 2, 2; 2003 RQ<sub>7</sub> \*, 6, 2, 2; 2003 RX<sub>7</sub>, 4, 1, 0; 2003 RH<sub>8</sub> \*, 9, 2, 2; 2003 RJ<sub>8</sub> \*, 7, 3, 3; 2003 RK<sub>8</sub> \*, 7, 3, 3; 2003 RL<sub>8</sub> \*, 11, 2, 1; 2003 RM<sub>8</sub> \*, 5, 2, 1; 2003 RN<sub>8</sub> \*, 5, 2, 1; 2003 RO<sub>8</sub> \*, 7, 2, 1; 2003 RP<sub>8</sub>, 4, 1, 0; 2003 RQ<sub>8</sub>, 5, 1, 0; 2003 RR<sub>8</sub>, 8, 1, 0; 2003 RS<sub>8</sub>, 5, 1, 0; 2003 RJ<sub>9</sub>, 2, 1, 0; 2003 RK<sub>9</sub>, 2, 1, 0; 2003 RU<sub>9</sub>, 8, 1, 0; (592), 3, 1, 0; (873), 5, 2, 2; (2100), 6, 1, 0; (5683), 14, 3, 2; (10296), 8, 2, 1; (11168), 24, 5, 4; (12101), 3, 1, 0; (13088), 3, 1, 0; (17834), 4, 1, 0; (18725), 3, 1, 0; (20194), 3, 1, 0; (20589), 9, 2, 1; (23265), 3, 1, 0;

(26651), 7, 2, 1; (26659), 4, 1, 0; (35217), 3, 1, 0; (38723), 9, 1, 0; (40068), 18, 4, 3; (40194), 5, 2, 2; (40631), 27, 6, 14; (40720), 6, 1, 0; (40896), 2, 1, 0; (40999), 7, 2, 2; (41753), 4, 1, 0; (43683), 2, 1, 0; (46045), 20, 3, 4; (47167), 3, 1, 0; (48282), 3, 1, 0; (60168), 18, 3, 4; (64752), 3, 1, 0; [1511, 170, 37\*, 2000/12/31–2003/09/08]

#### 462 Mount Bellevue Observatory

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0.25-m  $f/4$  Schmidt-Cassegrain + CCD

GSC

(148), 3, 1, 0; (519), 3, 1, 0; (529), 3, 1, 0; (667), 3, 1, 0; (680), 3, 1, 0; (780), 3, 1, 0; (863), 3, 1, 0; (964), 3, 1, 0; (1025), 3, 1, 0; (1263), 3, 1, 0; (1568), 3, 1, 0; (1727), 3, 1, 0; (1819), 3, 1, 0; (2333), 3, 1, 0; (2962), 3, 1, 0; (3036), 3, 1, 0; (3089), 3, 1, 0; (3197), 3, 1, 0; [54, 18, 0\*, 2003/04/21–2003/06/10]

#### 469 Courroux

H. Lehmann, Sports 6, CH-2822 Courroux, Switzerland [huble@vtx.ch]

0.20-m  $f/4.37$  reflector + CCD

USNO-A2.0

1997 AE<sub>12</sub>, 12, 2, 18; 1998 MX<sub>5</sub>, 4, 1, 0; 2002 OA<sub>22</sub>, 8, 2, 21; 2002 YB<sub>12</sub>, 5, 1, 0; 2003 HM<sub>16</sub>, 7, 1, 0; 2003 KP<sub>2</sub>, 12, 2, 23; 2003 KR<sub>18</sub>, 10, 2, 20; 2003 LS<sub>3</sub>, 3, 1, 0; 2003 MT<sub>2</sub>, 5, 1, 0; 2003 NB, 4, 1, 0; [70, 10, 0\*, 2003/08/02–2003/08/25]

#### 474 Mount John Observatory, Lake Tekapo

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Observers A. C. Gilmore, P. M. Kilmartin

1.0-m  $f/7.7$  reflector + CCD

USNO-A2.0

1998 RO<sub>1</sub>, 3, 1, 0; 1999 JW<sub>6</sub>, 3, 1, 0; 1999 LQ<sub>28</sub>, 3, 1, 0; 2000 GB<sub>147</sub>, 4, 1, 0; 2000 JT<sub>66</sub>, 3, 1, 0; 2000 PJ<sub>6</sub>, 5, 1, 0; 2000 QW<sub>69</sub>, 4, 1, 0; 2000 SO<sub>10</sub>, 4, 1, 0; 2000 UN<sub>30</sub>, 2, 1, 0; 2000 YK<sub>29</sub>, 3, 1, 0; 2001 AA<sub>50</sub>, 9, 1, 0; 2001 DE<sub>47</sub>, 3, 1, 0; 2001 JU<sub>2</sub>, 10, 2, 64; 2001 OZ<sub>13</sub>, 4, 1, 0; 2001 SN<sub>289</sub>, 3, 1, 0; 2002 MQ<sub>3</sub>, 3, 1, 0; 2002 OM<sub>4</sub>, 4, 1, 0; 2002 RN<sub>129</sub>, 3, 1, 0; 2002 TR<sub>190</sub>, 8, 2, 3; 2002 UR<sub>3</sub>, 5, 1, 0; 2002 XR<sub>14</sub>, 4, 1, 0; 2003 AL<sub>18</sub>, 3, 1, 0; 2003 AC<sub>60</sub>, 4, 1, 0; 2003 BT<sub>47</sub>, 4, 1, 0; 2003 CC, 5, 1, 0; 2003 HW<sub>11</sub>, 4, 1, 0; 2003 MJ<sub>4</sub>, 4, 1, 0; 2003 OQ<sub>13</sub>, 7, 2, 2; 2003 PM<sub>5</sub>, 3, 1, 0; 2003 PN<sub>5</sub>, 8, 2, 2; 2003 PX<sub>10</sub> \*, 13, 3, 3; 2003 PY<sub>10</sub>, 4, 1, 0; 2003 PB<sub>11</sub>, 3, 1, 0; 2003 PC<sub>11</sub>, 5, 1, 0; [157, 34, 1\*, 2001/10/11–2003/08/07]

#### 480 Cockfield

M. Mobberley, Denmara, Cross Green, Cockfield, Bury St. Edmunds, Suffolk

IP30 0LQ, England

0.36-m reflector + CCD

2003 RS<sub>1</sub>, 1, 1, 0; [1, 1, 0\*, 2003/09/04]

#### 493 Calar Alto

K. Birkle, MPI für Astronomie, Königstuhl 17, D-69117 Heidelberg, Germany

[birkle@mpia-hd.mpg.de]

3.5-m  $f/2.7$  reflector + CCD

USNO-A2.0

1999 XF<sub>61</sub>, 2, 1, 0; 2000 YH<sub>29</sub>, 3, 1, 0; [5, 2, 0\*, 2001/06/19–2002/04/10]

#### 504 Le Creusot

J.-C. Merlin, 18 rue P. Mendès-France, F-71200 Le Creusot, France

[merlin@obsmpm.fr]

Observers J.-C. Merlin, M. Boudot

0.40-m  $f/5$  reflector + CCD

USNO-A2.0

2000 UN<sub>111</sub>, 7, 2, 3; (35702), 11, 2, 3; [18, 2, 0\*, 2003/07/26–2003/07/30]

**511 Haute Provence**

J. E. Arlot, IMCCE, Observatoire de Paris, 61 Avenue de l'Observatoire, F-75014 Paris, France [arlot@bd1.fr]

Observers W. Thuillot, J. E. Arlot

Measurers C. Bechet, S. Arlot

1.20-m  $f/6$  reflector + CCD

USNO-A2.0

(6714), 1, 1, 0; [1, 1, 0\*, 1992/01/06]

**517 Geneva (from 1967)**

R. Behrend, Geneva Observatory, CH-1290 Sauverny, Switzerland

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0.20-m  $f/10$  Schmidt-Cassegrain + CCD

UCAC-2

(420), 19, 1, 0; (5679), 3, 1, 0; [22, 2, 0\*, 2003/08/22]

**540 Linz**

E. Meyer, Ferd.-Marklstrasse 1/62, A-4040 Linz, Austria

[erich.meyer@ooenet.at]

0.6-m  $f/3.3$  reflector + CCD

USNO-A2.0

1998 WT<sub>7</sub>, 3, 2, 17; 2001 JM<sub>1</sub>, 3, 2, 1; 2002 RR<sub>25</sub>, 2, 1, 0; 2003 BT<sub>35</sub>, 3, 1, 0; 2003 CN<sub>17</sub>, 2, 1, 0; 2003 DF<sub>6</sub>, 3, 1, 0; 2003 ER, 2, 2, 35; 2003 GW, 5, 2, 63; 2003 JD<sub>13</sub>, 2, 1, 0; 2003 JD<sub>17</sub>, 1, 1, 0; 2003 KO<sub>2</sub>, 2, 1, 0; 2003 MJ<sub>4</sub>, 4, 1, 0; 2003 ME<sub>7</sub>, 2, 2, 1; 2003 OU, 3, 1, 0; 2003 OA<sub>3</sub>, 3, 1, 0; (31077), 2, 1, 0; [42, 16, 0\*, 2003/06/09–2003/09/06]

**552 Osservatorio S. Vittore, Bologna**

E. Colombini, Via S. Vittore 44, I-40136 Bologna, Italy

[ermes.colombini@tin.it]

Observers G. Sassi, G. Sette

Measurer F. Muzzi

0.45-m  $f/5$  parabolic reflector + CCD

USNO-A2.0

2000 CR<sub>91</sub>, 2, 1, 0; 2001 TK<sub>217</sub>, 3, 1, 0; 2003 FT<sub>3</sub>, 5, 1, 0; [10, 3, 0\*, 1997/12/29–2003/06/01]

**557 Ondřejov**

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Observers L. Šarounová, P. Kušnirák, M. Wolf, P. Pravec

Measurers L. Šarounová, J. Manek

0.65-m  $f/3.6$  reflector + CCD

USNO-SA 2.0, UCAC-2

1997 AE<sub>12</sub>, 100, 16, 34; 1998 MX<sub>5</sub>, 22, 5, 9; 1998 TU<sub>3</sub>, 28, 7, 12; 1999 CP<sub>38</sub>, 4, 2, 17; 1999 GJ<sub>2</sub>, 20, 4, 23; 1999 TX<sub>106</sub>, 4, 1, 0; 1999 TP<sub>215</sub>, 3, 1, 0; 1999 VB<sub>30</sub>, 3, 1, 0; 1999 VL<sub>185</sub>, 3, 1, 0; 1999 YA<sub>7</sub>, 3, 1, 0; 2000 GN<sub>50</sub>, 2, 1, 0; 2000 OL<sub>8</sub>, 10, 2, 1; 2000 QJ<sub>26</sub>, 2, 1, 0; 2000 QW<sub>143</sub>, 4, 1, 0; 2000 XA<sub>21</sub>, 5, 1, 0; 2001 AE<sub>31</sub>, 7, 2, 1; 2001 DC<sub>70</sub>, 2, 1, 0; 2001 FH<sub>82</sub>, 5, 1, 0; 2001 KR<sub>18</sub>, 2, 1, 0; 2001 LF, 15, 3, 2; 2001 OE<sub>22</sub>, 3, 1, 0; 2001 TO<sub>179</sub>, 2, 1, 0; 2001 VB<sub>29</sub>, 3, 1, 0; 2001 WL<sub>2</sub>, 3, 1, 0; 2002 DD<sub>4</sub>, 4, 1, 0; 2002 ES<sub>89</sub>, 5, 1, 0; 2002 JG<sub>40</sub>, 3, 1, 0; 2002 OA<sub>22</sub>, 4, 1, 0; 2002 RJ<sub>181</sub>, 2, 1, 0; 2002 VO<sub>17</sub>, 2, 1, 0; 2002 XZ<sub>21</sub>, 3, 1, 0; 2003 FT<sub>3</sub>, 13, 1, 0; 2003 FY<sub>74</sub>, 4, 1, 0; 2003 KP<sub>2</sub>, 43, 10, 18; 2003 KR<sub>18</sub>, 3, 1, 0; 2003 LN<sub>6</sub>, 7, 2, 1; 2003 LO<sub>6</sub>, 5, 2, 1; 2003 MA, 4, 1, 0; 2003 MA<sub>2</sub>, 2, 1, 0; 2003 MS<sub>2</sub>, 22, 2, 1; 2003 MA<sub>7</sub>, 2, 1, 0; 2003 MC<sub>7</sub>, 4, 1, 0; 2003 MD<sub>7</sub>, 4, 1, 0; 2003 ME<sub>7</sub>, 7, 1, 0; 2003 MF<sub>7</sub>, 3, 1, 0; 2003 MU<sub>7</sub>, 3, 1, 0; 2003 MS<sub>9</sub>, 3, 1, 0; 2003 MT<sub>9</sub>, 4, 1, 0; 2003 NW, 2, 1, 0; 2003 NX, 3, 1, 0; 2003 NY, 2, 1, 0; 2003 NE<sub>6</sub>, 3, 1, 0; 2003 OS, 4, 1, 0; 2003 OU, 2, 1, 0; 2003 OS<sub>2</sub>, 3, 1, 0; 2003 OT<sub>2</sub>, 3, 1, 0; 2003 OA<sub>3</sub>, 4, 1, 0; 2003 OF<sub>3</sub>, 3, 1, 0; 2003 OX<sub>5</sub>, 5, 2, 2; 2003 OS<sub>6</sub>, 3, 1, 0; 2003 OX<sub>7</sub>, 3, 1, 0; 2003 OV<sub>9</sub>, 3, 1, 0; 2003 OQ<sub>13</sub>, 3, 1, 0; 2003 OR<sub>13</sub>, 2, 1, 0; 2003 OS<sub>13</sub>, 3, 1, 0; 2003 OT<sub>13</sub>, 4, 1, 0; 2003 OU<sub>13</sub>, 3, 1, 0; 2003 OW<sub>16</sub>, 3, 1, 0; 2003 OH<sub>20</sub>, 2, 1, 0; 2003 OJ<sub>20</sub>, 3, 1, 0; 2003 PJ, 2, 1, 0; 2003 PM<sub>5</sub>, 2, 1, 0; 2003 PY<sub>10</sub>, 7, 2, 1; 2003 PB<sub>11</sub>, 8, 3, 2; 2003 PC<sub>11</sub>, 7, 2, 1; 2003 QU<sub>5</sub>, 12, 1, 0; 2003 QY<sub>30</sub>, 2, 1, 0; 2003 QZ<sub>30</sub>, 2, 1, 0; 2003 QA<sub>31</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 9, 2, 4; 2003 QF<sub>70</sub>, 3, 1, 0; 2003 QR<sub>79</sub>, 14, 1, 0; 2003 QL<sub>96</sub>, 6, 1, 0; 2003 QN<sub>99</sub>,

2, 1, 0; 2003 RL, 3, 1, 0; 2003 RM, 5, 1, 0; 2003 RY<sub>5</sub>, 3, 1, 0; 2003 RZ<sub>5</sub>, 3, 1, 0; 2003 RA<sub>6</sub>, 2, 1, 0; 2003 RG<sub>7</sub>, 3, 1, 0; 2003 RL<sub>7</sub>, 3, 1, 0; 2003 RW<sub>7</sub>, 3, 1, 0; 2003 RX<sub>7</sub>, 3, 1, 0; 2003 RP<sub>8</sub>, 2, 1, 0; 2003 RQ<sub>8</sub>, 4, 1, 0; 2003 RR<sub>8</sub>, 3, 1, 0; 2003 RS<sub>8</sub>, 4, 1, 0; (357), 4, 2, 1; (420), 6, 2, 6; (1135), 3, 1, 0; (1136), 2, 1, 0; (2100), 13, 4, 6; (3102), 20, 7, 8; (4125), 19, 4, 55; (7336), 17, 4, 7; (11245), 3, 1, 0; (14516), 2, 1, 0; (19284), 3, 1, 0; (19722), 2, 1, 0; (19976), 3, 1, 0; (20559), 4, 1, 0; (24445), 5, 1, 0; (26195), 2, 1, 0; (26768), 4, 1, 0; (37655), 19, 5, 9; (39899), 2, 1, 0; (41157), 2, 1, 0; (43756), 2, 1, 0; (54509), 5, 1, 0; [739, 119, 0\*, 1997/02/01–2003/09/08]

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USNO-A2.0

1996 MO, 3, 1, 0; 2001 KZ<sub>66</sub>, 13, 4, 16; 2003 FT<sub>3</sub>, 6, 2, 1; 2003 MA, 6, 2, 1; [28, 4, 0\*, 2003/06/04–2003/06/20]

**561 Piskésető**

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0.60-m  $f/3$  Schmidt + CCD

USNO-A2.0

1999 TX<sub>234</sub>, 3, 1, 0; 2000 QC<sub>159</sub>, 2, 1, 0; 2002 LJ<sub>26</sub>, 3, 1, 0; 2002 TB<sub>316</sub>, 3, 1, 0; 2002 XR<sub>35</sub>, 3, 1, 0; 2003 FM<sub>11</sub>, 3, 1, 0; 2003 HN, 7, 1, 0; 2003 KO<sub>17</sub>, 4, 1, 0; 2003 OF<sub>3</sub>, 5, 1, 0; (10041), 3, 1, 0; (40263), 3, 1, 0; (65434), 2, 1, 0; [41, 12, 0\*, 1998/02/27–2003/08/05]

**566 Haleakala-NEAT/GEODSS**

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Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, D. L. Rabinowitz, S. Groom, C. Clark, R. Bamberg, S. Levin, J. Lorre, S. Shaklan, R. Byrd, C. Cotton, D. Bascon, A. Esqueib

Measurers E. F. Helin, S. H. Pravdo, K. J. Lawrence, A. Lowe, S. Hoenig

1.0-m  $f/2.2$  GEODSS reflector + CCD

USNO-A2.0

1981 EP<sub>35</sub>, 3, 1, 0; 1996 OT, 3, 1, 0; 1998 FS<sub>140</sub>, 3, 1, 0; 1999 CC<sub>14</sub>, 3, 1, 0; 1999 CG<sub>42</sub>, 3, 1, 0; 1999 CJ<sub>127</sub>, 3, 1, 0; 1999 XM<sub>183</sub>, 3, 1, 0; 2000 SV<sub>79</sub>, 3, 1, 0; 2000 SY<sub>193</sub>, 3, 1, 0; 2000 WW<sub>195</sub>, 3, 1, 0; 2000 YX<sub>51</sub>, 3, 1, 0; 2001 BT<sub>3</sub>, 3, 1, 0; 2001 BL<sub>75</sub>, 3, 1, 0; 2001 DN<sub>37</sub>, 3, 1, 0; 2001 EA, 3, 1, 0; 2001 ET<sub>16</sub>, 3, 1, 0; 2001 NV<sub>19</sub>, 3, 1, 0; 2001 OY<sub>10</sub>, 3, 1, 0; 2001 OW<sub>90</sub>, 3, 1, 0; 2001 QE<sub>42</sub>, 3, 1, 0; 2001 QX<sub>108</sub>, 3, 1, 0; 2001 QN<sub>140</sub>, 3, 1, 0; 2001 QM<sub>151</sub>, 3, 1, 0; 2001 QB<sub>154</sub>, 3, 1, 0; 2001 QO<sub>154</sub>, 3, 1, 0; 2001 QQ<sub>220</sub>, 3, 1, 0; 2001 QY<sub>258</sub>, 3, 1, 0; 2001 QJ<sub>296</sub>, 3, 1, 0; 2001 QD<sub>330</sub>, 3, 1, 0; 2001 RG<sub>122</sub>, 3, 1, 0; 2001 RE<sub>125</sub>, 3, 1, 0; 2001 ST<sub>18</sub>, 3, 1, 0; 2001 SD<sub>63</sub>, 3, 1, 0; 2001 SS<sub>74</sub>, 3, 1, 0; 2001 SF<sub>178</sub>, 3, 1, 0; 2001 SH<sub>346</sub>, 3, 1, 0; 2001 TM<sub>239</sub>, 3, 1, 0; 2001 VH<sub>1</sub>, 3, 1, 0; 2001 VZ<sub>74</sub>, 3, 1, 0; 2001 VX<sub>92</sub>, 3, 1, 0; 2001 WS<sub>16</sub>, 3, 1, 0; 2002 AW<sub>26</sub>, 3, 1, 0; 2002 AX<sub>62</sub>, 3, 1, 0; 2002 AQ<sub>153</sub>, 3, 1, 0; 2002 EA<sub>40</sub>, 3, 1, 0; 2002 GK<sub>40</sub>, 3, 1, 0; 2002 KY<sub>10</sub>, 3, 1, 0; 2002 PZ<sub>126</sub>, 3, 1, 0; 2002 PW<sub>156</sub>, 3, 1, 0; 2002 PX<sub>157</sub>, 6, 2, 2; 2002 PH<sub>160</sub>, 8, 2, 32; 2002 QU<sub>40</sub>, 3, 1, 0; 2002 RK<sub>5</sub>, 3, 1, 0; 2002 RW<sub>10</sub>, 3, 1, 0; 2002 RJ<sub>27</sub>, 3, 1, 0; 2002 RS<sub>40</sub>, 3, 1, 0; 2002 RL<sub>51</sub>, 3, 1, 0; 2002 RP<sub>84</sub>, 3, 1, 0; 2002 RO<sub>105</sub>, 3, 1, 0; 2002 RW<sub>106</sub>, 3, 1, 0; 2002 RO<sub>190</sub>, 3, 1, 0; 2002 TE<sub>62</sub>, 3, 1, 0; 2002 TX<sub>142</sub>, 3, 1, 0; 2002 TS<sub>191</sub>, 3, 1, 0; 2002 TT<sub>282</sub>, 3, 1, 0; 2002 VS<sub>84</sub>, 3, 1, 0; 2002 WK<sub>13</sub>, 3, 1, 0; 2002 XR<sub>30</sub>, 3, 1, 0; 2002 XN<sub>31</sub>, 3, 1, 0; 2002 XA<sub>73</sub>, 3, 1, 0; 2002 XU<sub>102</sub>, 3, 1, 0; 2002 YO<sub>3</sub>, 3, 1, 0; 2002 YH<sub>6</sub>, 3, 1, 0; 2002 YE<sub>7</sub>, 3, 1, 0; 2002 YL<sub>18</sub>, 3, 1, 0; 2002 YN<sub>19</sub>, 3, 1, 0; 2002 YZ<sub>20</sub>, 3, 1, 0; 2002 YX<sub>22</sub>, 3, 1, 0; 2003 AU<sub>14</sub>, 3, 1, 0; 2003 EB<sub>16</sub>, 3, 1, 0; 2003 KY<sub>18</sub>, 3, 1, 0; 2003 MC<sub>7</sub>, 3, 1, 0; 2003 OV<sub>4</sub>, 3, 1, 0; 2003 OZ<sub>22</sub>, 3, 1, 0; 2003 QN<sub>7</sub>, 3, 1, 0; 2003 QM<sub>17</sub>, 3, 1, 0; (4755), 6, 1, 0; (5078), 3, 1, 0; (5809), 3, 1, 0; (5821), 3, 1, 0; (6082), 3, 1, 0; (6953), 3, 1, 0; (7237), 3, 1, 0; (12153), 3, 1, 0; (12640), 3, 1, 0; (12937), 3, 1, 0; (14324), 3, 1, 0; (15337), 3, 1, 0; (16322), 3, 1, 0; (16424), 3, 1, 0; (26720), 3, 1, 0; (47276), 3, 1, 0; (50628), 3, 1, 0; (51283), 3, 1, 0; (52064), 3, 1, 0; (56331), 3, 1, 0; (57592), 3, 1, 0; (57878), 3, 1, 0; (58042), 6, 2, 31; (58721), 3, 1, 0; (59337), 3, 1, 0; (59439), 3, 1, 0; (59506), 3, 1, 0; (61070), 3, 1, 0; (61150), 3, 1, 0; (61759), 3, 1, 0; (62675), 3, 1, 0; (63566), 3, 1, 0; (64233), 3, 1, 0; (64462), 3, 1, 0; (64547), 3, 1, 0; (64624), 3, 1, 0; (65132), 3, 1, 0; (65350), 3, 1, 0; [386, 124, 0\*, 1995/12/19–1998/11/16]

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Observers J. Pittichova, S. S. Sheppard, D. C. Jewitt, C. Veillet, K. J. Meech,  
G. Bernstein, M. Holman, Y. Fernandez, T. Slater, J. Bedient, D. J. Tholen,  
F. Bernardi, R. J. Whiteley  
University of Hawaii 2.2-m reflector + CCD  
USNO-A2.0, USNO-B1.0

{11} 1999 GG<sub>25</sub>, 2, 1, 0; 1999 XA<sub>253</sub>, 5, 2, 1; 2000 HO<sub>2</sub>, 4, 1, 0; 2000 QT<sub>60</sub>, 2, 1, 0; 2001 BQ<sub>82</sub> \*, 9, 3, 2; 2001 BR<sub>82</sub> \*, 6, 2, 1; 2001 UY<sub>187</sub>, 2, 1, 0; 2002 ES<sub>32</sub>, 2, 1, 0; 2003 DQ<sub>19</sub>, 2, 1, 0; 2003 FZ<sub>1</sub>, 2, 1, 0; 2003 FF<sub>78</sub>, 2, 1, 0; 2003 FQ<sub>115</sub>, 2, 1, 0; 2003 HW<sub>44</sub>, 2, 1, 0; 2003 KM<sub>20</sub> \*, 9, 2, 1; 2003 KN<sub>20</sub> \*, 9, 2, 1; (14892), 2, 1, 0; (19248), 10, 2, 1; (33930), 2, 1, 0; (56100), 2, 1, 0; (58328), 2, 1, 0; (61583), 2, 1, 0; (61708), 2, 1, 0; [82, 22, 4\*, 2000/12/02–2003/07/22]

{1} 2000 YE<sub>85</sub>, 3, 1, 0; 2003 CC<sub>22</sub>, 2, 1, 0; [5, 2, 0\*, 1999/09/07–2003/07/02]

{2} 1998 FG<sub>2</sub>, 3, 3, 2; 1998 KG<sub>62</sub>, 2, 1, 0; 2003 AY<sub>2</sub>, 4, 1, 0; 2003 FR<sub>6</sub>, 2, 1, 0; 2003 KO<sub>2</sub>, 2, 1, 0; 2003 MD<sub>7</sub>, 2, 1, 0; [15, 6, 0\*, 1999/07/09–2003/08/31]

{3} 2001 QA<sub>137</sub>, 5, 1, 0; 2001 TR<sub>83</sub>, 2, 1, 0; [7, 2, 0\*, 1997/09/26–1999/02/06]

{4} 2003 BG<sub>91</sub>, 1, 1, 0; [1, 1, 0\*, 2003/04/29]

{6} 2000 SR<sub>331</sub>, 4, 2, 1; 2002 VZ<sub>94</sub>, 4, 2, 1; 2002 VB<sub>95</sub>, 7, 3, 2; 2002 VC<sub>95</sub>, 6, 2, 2; [21, 4, 0\*, 2002/11/28–2002/11/30]

{7} 1997 XM<sub>2</sub>, 2, 1, 0; 1999 OK<sub>4</sub>, 3, 2, 1; 1999 RT<sub>214</sub>, 3, 2, 1; 1999 RZ<sub>253</sub>, 3, 2, 1; 2000 FV<sub>53</sub>, 2, 1, 0; 2000 OK<sub>67</sub>, 5, 4, 3; 2000 OM<sub>67</sub>, 3, 2, 1; 2000 PX<sub>29</sub>, 3, 2, 1; 2000 PL<sub>30</sub>, 2, 2, 1; 2000 QM<sub>251</sub>, 2, 2, 1; 2001 HZ<sub>58</sub>, 2, 1, 0; 2001 KJ<sub>76</sub>, 4, 2, 37; 2001 KK<sub>76</sub>, 2, 2, 1; 2001 KO<sub>76</sub>, 2, 1, 0; 2001 KY<sub>76</sub>, 3, 2, 1; 2001 KN<sub>77</sub>, 2, 1, 0; 2001 OM<sub>109</sub>, 3, 2, 1; 2001 QP<sub>297</sub>, 4, 4, 3; 2001 QE<sub>298</sub>, 3, 3, 2; 2001 QH<sub>298</sub>, 2, 2, 1; 2001 QQ<sub>322</sub>, 2, 2, 1; 2001 QW<sub>322</sub>, 6, 2, 1; 2001 UO<sub>18</sub>, 2, 2, 1; 2001 UP<sub>18</sub>, 2, 2, 1; 2002 AD<sub>120</sub>, 2, 1, 0; 2002 GZ<sub>31</sub>, 3, 2, 1; 2002 GG<sub>32</sub>, 3, 2, 1; 2002 GJ<sub>32</sub>, 3, 2, 1; 2002 GS<sub>32</sub>, 4, 2, 34; 2002 PQ<sub>145</sub>, 3, 2, 1; 2002 TC<sub>302</sub>, 2, 2, 1; 2002 WT<sub>20</sub> \*, 3, 2, 1; 2002 WU<sub>20</sub> \*, 3, 2, 1; 2002 WV<sub>20</sub> \*, 3, 2, 1; 2003 BL<sub>37</sub>, 2, 1, 0; 2003 BG<sub>90</sub>, 1, 1, 0; 2003 FJ<sub>127</sub>, 3, 3, 2; 2003 FL<sub>127</sub>, 2, 2, 1; 2003 FM<sub>127</sub>, 3, 2, 1; 2003 FC<sub>128</sub>, 2, 2, 1; 2003 FD<sub>128</sub>, 3, 3, 2; 2003 FE<sub>128</sub>, 3, 2, 1; 2003 FF<sub>128</sub>, 2, 1, 0; 2003 KP<sub>20</sub>, 2, 1, 0; 2003 LN<sub>1</sub>, 2, 1, 0; 2003 LA<sub>7</sub>, 3, 2, 1; 2003 LB<sub>7</sub>, 3, 2, 1; 2003 LC<sub>7</sub>, 2, 1, 0; 2003 LD<sub>7</sub>, 2, 1, 0; 2003 LF<sub>7</sub>, 3, 2, 1; 2003 LG<sub>7</sub>, 2, 1, 0; 2003 LD<sub>9</sub>, 3, 2, 1; 2003 NC<sub>9</sub> \*, 3, 2, 1; 2003 ND<sub>9</sub> \*, 3, 2, 1; 2003 NE<sub>9</sub> \*, 4, 2, 1; 2003 NF<sub>9</sub> \*, 4, 2, 1; 2003 NG<sub>9</sub> \*, 3, 2, 1; 2003 NH<sub>9</sub> \*, 3, 2, 1; (38970), 4, 2, 1; [163, 59, 9\*, 2002/11/30–2003/07/09]

{9} 1999 RK<sub>257</sub>, 2, 1, 0; 2002 RC<sub>214</sub>, 3, 1, 0; [5, 2, 0\*, 1999/09/11–2000/01/06]

**587 Sormano**

P. Sicoli, Via Valli 9, I-23846 Garbagnate Monastero (Lecco), Italy  
[sormano@tin.it]  
Observers F. Manca, A. Testa, M. Cavagna, P. Sicoli

0.5-m reflector + CCD

USNO-A2.0

1998 FH<sub>12</sub>, 5, 1, 0; 2000 OL<sub>8</sub>, 3, 1, 0; 2003 GY, 4, 1, 0; 2003 HA, 3, 1, 0; 2003 HM<sub>16</sub>, 3, 1, 0; 2003 HA<sub>22</sub>, 3, 1, 0; 2003 KP<sub>2</sub>, 3, 1, 0; 2003 LG, 3, 1, 0; 2003 LS<sub>3</sub>, 5, 2, 62; 2003 LN<sub>6</sub>, 7, 2, 2; 2003 LP<sub>6</sub>, 4, 1, 0; 2003 MA, 3, 1, 0; 2003 MM, 4, 1, 0; 2003 MN, 2, 1, 0; 2003 MO, 4, 1, 0; 2003 MU, 3, 1, 0; 2003 MH<sub>4</sub>, 6, 3, 16; 2003 MK<sub>4</sub>, 8, 3, 16; 2003 NC, 2, 1, 0; 2003 NS<sub>4</sub>, 3, 1, 0; 2003 NE<sub>5</sub>, 3, 1, 0; 2003 OS<sub>13</sub>, 3, 1, 0; 2003 OT<sub>13</sub>, 5, 1, 0; 2003 QA, 3, 1, 0; 2003 QC, 3, 1, 0; 2003 QB<sub>3</sub>, 1, 1, 0; 2003 QH<sub>5</sub>, 8, 3, 9; 2003 QJ<sub>5</sub>, 4, 1, 0; 2003 QK<sub>5</sub>, 2, 1, 0; 2003 QU<sub>5</sub>, 2, 1, 0; 2003 QC<sub>10</sub>, 2, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QV<sub>10</sub>, 3, 1, 0; 2003 QW<sub>10</sub>, 2, 1, 0; 2003 QX<sub>10</sub>, 2, 1, 0; 2003 QY<sub>29</sub>, 4, 2, 4; 2003 QB<sub>30</sub>, 2, 1, 0; 2003 QZ<sub>30</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 3, 1, 0; (2831), 2, 1, 0; (22075), 3, 1, 0; (37567), 3, 1, 0; (42069), 2, 1, 0; (54509), 3, 1, 0; [149, 44, 0\*, 2003/06/18–2003/08/30]

**589 Santa Lucia Stroncone**

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0.50-m  $f/2.8$  Ritchey-Chrétien + CCD

USNO-A1.0

1996 BC, 3, 1, 0; 2002 XM<sub>11</sub>, 2, 1, 0; (37655), 12, 3, 7; [17, 3, 0\*, 1995/11/28–2003/08/08]

**595 Farra d'Isonzo**

L. Bittesini, Via dei Conventi 10, I-34070 Farra D'Isonzo (GO), Italy  
[ccaf@ccaf.it]

Observers G. Lombardi, E. Pettarin, F. Piani, L. Valent, M. Spolaor, L. Bittesini,  
D. Di Maria

Measurers E. Pettarin, G. Lombardi, M. Spolaor, L. Valent

0.40-m  $f/4.5$  reflector + CCD

USNO-A2.0

(38031), 2, 1, 0; [2, 1, 0\*, 2000/01/15]

**596 Colleverde di Guidonia**

V. S. Casulli, Via M. Rosa 1, I-00012 Colleverde di Guidonia (RM), Italy  
[v.casulli@libero.it]

0.40-m  $f/4.5$  reflector + CCD

USNO-A2.0

(3159), 3, 1, 0; (35130), 3, 1, 0; (43050), 3, 1, 0; [9, 3, 0\*, 1994/11/04–2000/12/23]

**599 Campo Imperatore–CINEOS**

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Observers A. Boattini, A. Di Paola, N. Napoleone, E. Palomba, M. Tombelli,  
V. Casula

Measurers A. Boattini, A. Di Paola, F. Bernardi, M. Tombelli, V. Casula

0.60-m  $f/3$  Schmidt + CCD

USNO-A2.0

1972 FE, 3, 1, 0; 1974 CB, 3, 1, 0; 1979 ME<sub>6</sub>, 2, 1, 0; 1981 DJ<sub>1</sub>, 4, 1, 0; 1981 EL<sub>9</sub>, 4, 1, 0; 1981 EE<sub>29</sub>, 3, 1, 0; 1981 ED<sub>41</sub>, 3, 1, 0; 1986 RE<sub>5</sub>, 6, 2, 1; 1991 TO<sub>6</sub>, 3, 1, 0; 1992 ED<sub>16</sub>, 2, 1, 0; 1992 RF<sub>1</sub>, 4, 1, 0; 1992 RT<sub>1</sub>, 7, 2, 2; 1992 RJ<sub>2</sub>, 3, 1, 0; 1992 SK<sub>3</sub>, 3, 1, 0; 1992 SW<sub>18</sub>, 3, 1, 0; 1993 FF<sub>23</sub>, 7, 2, 14; 1993 FK<sub>40</sub>, 6, 2, 2; 1993 JQ, 4, 1, 0; 1993 QY<sub>3</sub>, 4, 1, 0; 1993 TO<sub>10</sub>, 6, 2, 37; 1994 PA<sub>4</sub>, 7, 2, 2; 1994 PJ<sub>12</sub>, 3, 1, 0; 1994 RO<sub>6</sub>, 4, 1, 0; 1995 SF<sub>17</sub>, 6, 2, 2; 1995 SB<sub>33</sub>, 8, 2, 1; 1995 UB<sub>10</sub>, 4, 1, 0; 1995 WS<sub>3</sub>, 10, 3, 4; 1996 LU<sub>2</sub>, 8, 1, 0; 1996 PJ<sub>6</sub>, 3, 1, 0; 1996 RW<sub>15</sub>, 6, 2, 28; 1996 UC<sub>3</sub>, 15, 3, 17; 1996 VR<sub>5</sub>, 3, 1, 0; 1996 XH, 3, 1, 0; 1996 XJ<sub>11</sub>, 3, 1, 0; 1997 AG<sub>2</sub>, 3, 1, 0; 1997 AE<sub>12</sub>, 3, 1, 0; 1997 CF<sub>9</sub>, 3, 1, 0; 1997 EV<sub>38</sub>, 4, 1, 0; 1997 GF<sub>9</sub>, 4, 1, 0; 1997 GC<sub>21</sub>, 4, 1, 0; 1997 KW<sub>1</sub>, 7, 2, 2; 1997 UC<sub>22</sub>, 7, 2, 14; 1997 WD<sub>7</sub>, 4, 1, 0; 1997 YD<sub>5</sub>, 7, 2, 4; 1998 AS<sub>2</sub>, 3, 1, 0; 1998 CE<sub>5</sub>, 4, 1, 0; 1998 FX<sub>4</sub>, 3, 1, 0; 1998 FO<sub>25</sub>, 10, 3, 4; 1998 FB<sub>32</sub>, 4, 1, 0; 1998 FG<sub>38</sub>, 6, 2, 3; 1998 FD<sub>43</sub>, 4, 1, 0; 1998 FV<sub>46</sub>, 4, 1, 0; 1998 FF<sub>49</sub>, 4, 1, 0; 1998 FS<sub>57</sub>, 3, 1, 0; 1998 FW<sub>57</sub>, 4, 1, 0; 1998 FK<sub>59</sub>, 3, 1, 0; 1998 FO<sub>63</sub>, 3, 1, 0; 1998 FM<sub>65</sub>, 4, 1, 0; 1998 FK<sub>70</sub>, 3, 1, 0; 1998 FT<sub>101</sub>, 3, 1, 0; 1998 FA<sub>106</sub>, 3, 1, 0; 1998 FM<sub>115</sub>, 2, 1, 0; 1998 FZ<sub>117</sub>, 4, 1, 0; 1998 FF<sub>122</sub>, 2, 1, 0; 1998 HR<sub>15</sub>, 3, 1, 0; 1998 HL<sub>23</sub>, 3, 1, 0; 1998 HD<sub>25</sub>, 3, 1, 0; 1998 HQ<sub>35</sub>, 3, 1, 0; 1998 HD<sub>38</sub>, 4, 1, 0; 1998 HH<sub>39</sub>, 3, 1, 0; 1998 HA<sub>68</sub>, 4, 1, 0; 1998 HT<sub>119</sub>, 2, 1, 0; 1998 HA<sub>147</sub>, 6, 2, 26; 1998 KH<sub>28</sub>, 3, 1, 0; 1998 MX<sub>5</sub>, 3, 1, 0; 1998 OE<sub>1</sub>, 3, 1, 0; 1998 OG<sub>1</sub>, 4, 1, 0; 1998 QO<sub>15</sub>, 3, 1, 0; 1998 QR<sub>17</sub>, 2, 1, 0;

1998 QC<sub>30</sub>, 6, 2, 2; 1998 QZ<sub>34</sub>, 7, 2, 1; 1998 QN<sub>41</sub>, 3, 1, 0; 1998 QN<sub>87</sub>, 10, 3, 27; 1998 RO<sub>18</sub>, 3, 1, 0; 1998 RG<sub>26</sub>, 3, 1, 0; 1998 RW<sub>48</sub>, 4, 1, 0; 1998 RZ<sub>58</sub>, 3, 1, 0; 1998 RX<sub>73</sub>, 4, 1, 0; 1998 RX<sub>75</sub>, 4, 1, 0; 1998 SS<sub>6</sub>, 3, 1, 0; 1998 SB<sub>12</sub>, 6, 2, 1; 1998 SQ<sub>13</sub>, 3, 1, 0; 1998 SE<sub>72</sub>, 4, 1, 0; 1998 SJ<sub>82</sub>, 5, 2, 23; 1998 SG<sub>84</sub>, 7, 2, 1; 1998 SH<sub>138</sub>, 11, 3, 3; 1998 SQ<sub>139</sub>, 3, 1, 0; 1998 SJ<sub>153</sub>, 7, 2, 1; 1998 TM, 4, 1, 0; 1998 TT<sub>12</sub>, 4, 1, 0; 1998 TU<sub>22</sub>, 4, 1, 0; 1998 UG<sub>40</sub>, 3, 1, 0; 1998 VP<sub>35</sub>, 4, 1, 0; 1998 VX<sub>45</sub>, 4, 1, 0; 1998 VS<sub>49</sub>, 7, 2, 1; 1998 WL<sub>10</sub>, 4, 1, 0; 1998 WH<sub>36</sub>, 4, 1, 0; 1998 XY<sub>3</sub>, 3, 1, 0; 1998 XX<sub>6</sub>, 5, 2, 3; 1998 YP<sub>9</sub>, 4, 1, 0; 1999 BF<sub>13</sub>, 3, 1, 0; 1999 CG<sub>77</sub>, 2, 1, 0; 1999 CH<sub>117</sub>, 3, 1, 0; 1999 CT<sub>147</sub>, 4, 1, 0; 1999 FB<sub>1</sub>, 4, 1, 0; 1999 JJ<sub>2</sub>, 2, 1, 0; 1999 JA<sub>13</sub>, 4, 1, 0; 1999 JR<sub>14</sub>, 3, 1, 0; 1999 JD<sub>21</sub>, 4, 1, 0; 1999 JC<sub>29</sub>, 3, 1, 0; 1999 JM<sub>29</sub>, 3, 1, 0; 1999 JV<sub>40</sub>, 4, 1, 0; 1999 JX<sub>41</sub>, 6, 2, 1; 1999 JQ<sub>51</sub>, 3, 1, 0; 1999 JS<sub>60</sub>, 3, 1, 0; 1999 JW<sub>64</sub>, 4, 1, 0; 1999 JS<sub>76</sub>, 3, 1, 0; 1999 JS<sub>78</sub>, 4, 1, 0; 1999 JV<sub>114</sub>, 3, 1, 0; 1999 JC<sub>120</sub>, 3, 1, 0; 1999 JG<sub>121</sub>, 3, 1, 0; 1999 JZ<sub>123</sub>, 4, 1, 0; 1999 JT<sub>130</sub>, 4, 1, 0; 1999 KS<sub>12</sub>, 4, 1, 0; 1999 NS<sub>6</sub>, 7, 2, 1; 1999 NB<sub>7</sub>, 3, 1, 0; 1999 NR<sub>9</sub>, 3, 1, 0; 1999 NW<sub>10</sub>, 3, 1, 0; 1999 NA<sub>48</sub>, 3, 1, 0; 1999 NS<sub>59</sub>, 3, 1, 0; 1999 NF<sub>61</sub>, 3, 1, 0; 1999 PM, 3, 1, 0; 1999 PS<sub>5</sub>, 3, 1, 0; 1999 RB<sub>4</sub>, 4, 1, 0; 1999 RY<sub>10</sub>, 4, 1, 0; 1999 RJ<sub>14</sub>, 4, 1, 0; 1999 RS<sub>14</sub>, 14, 4, 17; 1999 RC<sub>15</sub>, 4, 1, 0; 1999 RG<sub>30</sub>, 2, 1, 0; 1999 RZ<sub>34</sub>, 3, 1, 0; 1999 RA<sub>35</sub>, 4, 1, 0; 1999 RS<sub>37</sub>, 3, 1, 0; 1999 RU<sub>41</sub>, 11, 2, 2; 1999 RF<sub>42</sub>, 3, 1, 0; 1999 RY<sub>42</sub>, 4, 1, 0; 1999 RO<sub>54</sub>, 4, 1, 0; 1999 RF<sub>58</sub>, 6, 2, 1; 1999 RC<sub>65</sub>, 3, 1, 0; 1999 RL<sub>67</sub>, 4, 1, 0; 1999 RR<sub>67</sub>, 2, 1, 0; 1999 RX<sub>70</sub>, 8, 2, 2; 1999 RK<sub>73</sub>, 8, 2, 2; 1999 RS<sub>75</sub>, 2, 1, 0; 1999 RR<sub>82</sub>, 8, 2, 30; 1999 RH<sub>83</sub>, 4, 1, 0; 1999 RF<sub>84</sub>, 3, 1, 0; 1999 RR<sub>91</sub>, 10, 3, 3; 1999 RF<sub>101</sub>, 3, 1, 0; 1999 RG<sub>102</sub>, 4, 1, 0; 1999 RA<sub>112</sub>, 8, 2, 2; 1999 RU<sub>115</sub>, 7, 2, 2; 1999 RA<sub>118</sub>, 4, 1, 0; 1999 RM<sub>118</sub>, 2, 1, 0; 1999 RZ<sub>118</sub>, 3, 1, 0; 1999 RR<sub>119</sub>, 3, 1, 0; 1999 RY<sub>120</sub>, 3, 1, 0; 1999 RG<sub>124</sub>, 7, 2, 1; 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1999 VM<sub>148</sub>, 3, 1, 0; 1999 VG<sub>162</sub>, 6, 2, 2; 1999 VY<sub>162</sub>, 3, 1, 0; 1999 VY<sub>163</sub>, 5, 2, 3; 1999 VB<sub>167</sub>, 7, 2, 1; 1999 VH<sub>167</sub>, 7, 2, 1; 1999 VS<sub>178</sub>, 4, 1, 0; 1999 VO<sub>182</sub>, 3, 1, 0; 1999 VZ<sub>192</sub>, 4, 1, 0; 1999 VS<sub>199</sub>, 4, 1, 0; 1999 VN<sub>218</sub>, 4, 1, 0; 1999 WF<sub>1</sub>, 3, 1, 0; 1999 WT<sub>2</sub>, 3, 1, 0; 1999 WR<sub>12</sub>, 4, 1, 0; 1999 WX<sub>19</sub>, 3, 1, 0; 1999 XW<sub>41</sub>, 4, 1, 0; 1999 XD<sub>47</sub>, 4, 1, 0; 1999 XG<sub>48</sub>, 7, 2, 1; 1999 XC<sub>49</sub>, 3, 1, 0; 1999 XE<sub>52</sub>, 4, 1, 0; 1999 XW<sub>54</sub>, 7, 2, 1; 1999 XW<sub>55</sub>, 3, 1, 0; 1999 XT<sub>77</sub>, 3, 1, 0; 1999 XX<sub>82</sub>, 3, 1, 0; 1999 XV<sub>84</sub>, 3, 1, 0; 1999 XK<sub>88</sub>, 3, 1, 0; 1999 XA<sub>91</sub>, 7, 2, 1; 1999 XD<sub>92</sub>, 4, 1, 0; 1999 XW<sub>92</sub>, 3, 1, 0; 1999 XR<sub>97</sub>, 4, 1, 0; 1999 XT<sub>103</sub>, 3, 1, 0; 1999 XE<sub>105</sub>, 6, 2, 2; 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0; 2000 QF<sub>92</sub>, 3, 1, 0; 2000 QG<sub>95</sub>, 7, 2, 1; 2000 QN<sub>167</sub>, 3, 1, 0; 2000 QG<sub>170</sub>, 4, 1, 0; 2000 QQ<sub>170</sub>, 3, 1, 0; 2000 QR<sub>176</sub>, 4, 1, 0; 2000 QS<sub>181</sub>, 3, 1, 0; 2000 QG<sub>193</sub>, 3, 1, 0; 2000 RF<sub>10</sub>, 3, 1, 0; 2000 RM<sub>11</sub>, 4, 1, 0; 2000 RA<sub>22</sub>, 4, 1, 0; 2000 RU<sub>30</sub>, 3, 1, 0; 2000 RS<sub>35</sub>, 3, 1, 0; 2000 RM<sub>43</sub>, 4, 1, 0; 2000 RZ<sub>46</sub>, 3, 1, 0; 2000 RX<sub>48</sub>, 7, 2, 3; 2000 RL<sub>56</sub>, 3, 1, 0; 2000 RN<sub>71</sub>, 6, 2, 14; 2000 SG<sub>4</sub>, 3, 1, 0; 2000 SP<sub>79</sub>, 3, 1, 0; 2000 SV<sub>84</sub>, 7, 2, 2; 2000 SC<sub>85</sub>, 11, 3, 3; 2000 SL<sub>111</sub>, 4, 1, 0; 2000 SZ<sub>112</sub>, 11, 3, 3; 2000 SZ<sub>120</sub>, 4, 1, 0; 2000 SA<sub>121</sub>, 4, 1, 0; 2000 SC<sub>138</sub>, 4, 1, 0; 2000 SU<sub>139</sub>, 4, 1, 0; 2000 SM<sub>160</sub>, 3, 1, 0; 2000 SP<sub>176</sub>, 3, 1, 0; 2000 SF<sub>185</sub>, 3, 1, 0; 2000 SU<sub>191</sub>, 4, 1, 0; 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4, 1, 0; 2002 CD<sub>115</sub>, 3, 1, 0; 2002 CO<sub>116</sub>, 11, 3, 4; 2002 CJ<sub>124</sub>, 3, 1, 0; 2002 CL<sub>129</sub>, 7, 2, 1; 2002 CM<sub>132</sub>, 4, 1, 0; 2002 CK<sub>142</sub>, 4, 1, 0; 2002 CR<sub>144</sub>, 7, 2, 2; 2002 CR<sub>148</sub>, 4, 1, 0; 2002 CG<sub>159</sub>, 3, 1, 0; 2002 CH<sub>174</sub>, 2, 1, 0; 2002 CR<sub>214</sub>, 3, 1, 0; 2002 CO<sub>219</sub>, 3, 1, 0; 2002 CV<sub>236</sub>, 4, 1, 0; 2002 CC<sub>242</sub>, 4, 1, 0; 2002 CJ<sub>243</sub>, 4, 1, 0; 2002 CN<sub>244</sub>, 2, 1, 0; 2002 CV<sub>246</sub>, 4, 1, 0; 2002 CE<sub>248</sub>, 11, 3, 4; 2002 CN<sub>249</sub>, 4, 1, 0; 2002 CT<sub>284</sub>, 4, 1, 0; 2002 CV<sub>298</sub>, 3, 1, 0; 2002 CN<sub>301</sub>, 8, 2, 1; 2002 CO<sub>310</sub>, 3, 1, 0; 2002 CL<sub>311</sub>, 3, 1, 0; 2002 DH<sub>11</sub>, 8, 2, 2; 2002 DH<sub>15</sub>, 3, 1, 0; 2002 DJ<sub>16</sub>, 7, 2, 2; 2002 EH<sub>6</sub>, 3, 1, 0; 2002 EO<sub>12</sub>, 4, 1, 0; 2002 EW<sub>20</sub>, 11, 3, 4; 2002 EH<sub>26</sub>, 7, 2, 2; 2002 EJ<sub>26</sub>, 4, 1, 0; 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## 608 Haleakala-NEAT/MSSS

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Measurers R. Bambery, E. Helin, S. Pravdo, K. Lawrence, A. Lowe, S. Hönig, R. Haver, A. Pelloni, G. Forti, R. D. Matson

1.2-m reflector + CCD

USNO-A2.0

1976 KF<sub>3</sub>, 5, 1, 0; 1977 EA<sub>8</sub>, 3, 1, 0; 1978 VR<sub>6</sub>, 6, 2, 5; 1979 ME<sub>1</sub>, 3, 1, 0; 1980 PX<sub>2</sub>, 3, 1, 0; 1981 DJ<sub>1</sub>, 3, 1, 0; 1981 DN<sub>1</sub>, 3, 1, 0; 1981 DY<sub>2</sub>, 6, 2, 38; 1981 DR<sub>3</sub>, 3, 1, 0; 1981 EL<sub>9</sub>, 3, 1, 0; 1981 EG<sub>13</sub>, 3, 1, 0; 1981 EE<sub>17</sub>, 9, 3, 36; 1981 EH<sub>27</sub>, 3, 1, 0; 1981 EM<sub>28</sub>, 3, 1, 0; 1981 ET<sub>28</sub>, 3, 1, 0; 1981 EZ<sub>28</sub>, 3, 1, 0; 1981 ES<sub>32</sub>, 6, 2, 8; 1981 EE<sub>34</sub>, 3, 1, 0; 1981 EL<sub>35</sub>, 3, 1, 0; 1981 EP<sub>35</sub>, 3, 1, 0; 1981 EV<sub>35</sub>, 3, 1, 0; 1981 ES<sub>47</sub>, 3, 1, 0; 1981 UJ<sub>22</sub>, 3, 1, 0; 1982 UA<sub>6</sub>, 6, 2, 29; 1984 ST<sub>6</sub>, 6, 2, 29; 1986 QD<sub>1</sub>, 9, 3, 33; 1986 RC<sub>5</sub>, 3, 1, 0; 1986 RE<sub>5</sub>, 3, 1, 0; 1987 RU, 3, 1, 0; 1987 SM<sub>5</sub>, 3, 1, 0; 1988 CJ<sub>4</sub>, 3, 1, 0; 1988 DE<sub>3</sub>, 3, 1, 0; 1988 QD, 3, 1, 0; 1989 CC<sub>3</sub>, 9, 3, 17; 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1995 SQ<sub>18</sub>, 3, 1, 0; 1995 SW<sub>25</sub>, 3, 1, 0; 1995 SB<sub>33</sub>, 6, 2, 8; 1995 SD<sub>33</sub>, 6, 2, 8; 1995 SD<sub>35</sub>, 3, 1, 0; 1995 SB<sub>52</sub>, 3, 1, 0; 1995 TM<sub>1</sub>, 6, 2, 19; 1995 TY<sub>2</sub>, 3, 1, 0; 1995 TS<sub>3</sub>, 3, 1, 0; 1995 UK, 3, 1, 0; 1995 UT<sub>25</sub>, 6, 2, 33; 1995 UC<sub>31</sub>, 3, 1, 0; 1995 UB<sub>32</sub>, 3, 1, 0; 1995 UE<sub>45</sub>, 3, 1, 0; 1995 VO<sub>4</sub>, 3, 1, 0; 1995 VO<sub>8</sub>, 3, 1, 0; 1995 VU<sub>11</sub>, 3, 1, 0; 1995 WJ<sub>1</sub>, 3, 1, 0; 1995 WR<sub>9</sub>, 3, 1, 0; 1995 WC<sub>37</sub>, 3, 1, 0; 1995 WX<sub>42</sub>, 3, 1, 0; 1995 XK<sub>1</sub>, 6, 2, 19; 1995 YE<sub>7</sub>, 3, 1, 0; 1995 YH<sub>25</sub>, 3, 1, 0; 1996 AT<sub>12</sub>, 3, 1, 0; 1996 BA<sub>3</sub>, 3, 1, 0; 1996 BW<sub>8</sub>, 6, 2, 10; 1996 EB<sub>8</sub>, 3, 1, 0; 1996 FD<sub>18</sub>, 3, 1, 0; 1996 HA<sub>5</sub>, 3, 1, 0; 1996 HT<sub>6</sub>, 3, 1, 0; 1996 HW<sub>18</sub>, 3, 1, 0; 1996 HR<sub>20</sub>, 3, 1, 0; 1996 HT<sub>20</sub>, 3, 1, 0; 1996 KJ<sub>3</sub>, 3, 1, 0; 1996 NM, 3, 1, 0; 1996 PV<sub>2</sub>, 6, 2, 18; 1996 PJ<sub>6</sub>, 6, 2, 20; 1996 PG<sub>8</sub>, 3, 1, 0; 1996 RE<sub>5</sub>, 3, 1, 0; 1996 RP<sub>5</sub>, 3, 1, 0; 1996 RW<sub>7</sub>, 3, 1, 0; 1996 RW<sub>15</sub>, 3, 1, 0; 1996 RL<sub>26</sub>, 3, 1, 0; 1996 SG<sub>7</sub>, 6, 2, 10; 1996 SG<sub>8</sub>, 3, 1, 0; 1996 TL<sub>3</sub>, 3, 1, 0; 1996 TH<sub>8</sub>, 3, 1, 0; 1996 TB<sub>18</sub>, 3, 1, 0; 1996 TW<sub>28</sub>, 3, 1, 0; 1996 TB<sub>35</sub>, 3, 1, 0; 1996 TA<sub>36</sub>, 3, 1, 0; 1996 TP<sub>39</sub>, 6, 2, 20; 1996 TE<sub>40</sub>, 3, 1, 0; 1996 TR<sub>40</sub>, 6, 2, 16; 1996 UJ<sub>1</sub>, 15, 5, 36; 1996 UC<sub>3</sub>, 3, 1, 0; 1996 VR<sub>5</sub>, 3, 1, 0; 1996 VZ<sub>5</sub>, 3, 1, 0; 1996 VO<sub>10</sub>, 3, 1, 0; 1996 VA<sub>14</sub>, 3, 1, 0; 1996 VF<sub>19</sub>, 3, 1, 0; 1996 WS<sub>2</sub>, 3, 1, 0; 1996 XQ<sub>4</sub>, 3, 1, 0; 1996 XE<sub>6</sub>, 6, 2, 26; 1996 XK<sub>7</sub>, 3, 1, 0; 1996 XS<sub>15</sub>, 3, 1, 0; 1996 XN<sub>19</sub>, 3, 1, 0; 1996 XD<sub>26</sub>, 3, 1, 0; 1996 XW<sub>27</sub>, 3, 1, 0; 1996 YH, 3, 1, 0; 1997 AD, 3, 1, 0; 1997 AA<sub>3</sub>, 3, 1, 0; 1997 AV<sub>3</sub>, 3, 1, 0; 1997 AD<sub>9</sub>, 3, 1, 0; 1997 AE<sub>12</sub>, 6, 2, 18; 1997 AK<sub>22</sub>, 3, 1, 0; 1997 BT<sub>2</sub>, 6, 2, 10; 1997 BX<sub>5</sub>, 3, 1, 0; 1997 BH<sub>6</sub>, 3, 1, 0; 1997 CF<sub>9</sub>, 3, 1, 0; 1997 CE<sub>26</sub>, 15, 5, 58; 1997 EE<sub>19</sub>, 3, 1, 0; 1997 FR<sub>3</sub>, 3, 1, 0; 1997 GY<sub>2</sub>, 3, 1, 0; 1997 GQ<sub>5</sub>, 3, 1, 0; 1997 GF<sub>6</sub>, 3, 1, 0; 1997 GT<sub>17</sub>, 6, 2, 5; 1997 GL<sub>35</sub>, 3, 1, 0; 1997 HM<sub>9</sub>, 3, 1, 0; 1997 HM<sub>14</sub>, 3, 1, 0; 1997 JK<sub>4</sub>, 3, 1, 0; 1997 ML<sub>1</sub>, 3, 1, 0; 1997 PA<sub>4</sub>, 3, 1, 0; 1997 RV<sub>9</sub>, 3, 1, 0; 1997 UN, 3, 1, 0; 1997 UW<sub>14</sub>, 6, 2, 42; 1997 UE<sub>21</sub>, 3, 1, 0; 1997 UE<sub>24</sub>, 9, 3, 11; 1997 WS<sub>4</sub>, 3, 1, 0; 1997 WD<sub>7</sub>, 9, 3, 28; 1997 WN<sub>11</sub>, 3, 1, 0; 1997 XD<sub>10</sub>, 3, 1, 0; 1997 YF<sub>4</sub>, 3, 1, 0; 1997 YD<sub>5</sub>, 3, 1, 0; 1997 YU<sub>6</sub>, 3, 1, 0; 1997 YX<sub>13</sub>, 3, 1, 0; 1997 YQ<sub>15</sub>, 6, 2, 12; 1998 AM, 6, 2, 33; 1998 AW<sub>6</sub>, 9, 3, 19; 1998 BB<sub>4</sub>, 6, 2, 16; 1998 BD<sub>9</sub>, 3, 1, 0; 1998 BK<sub>12</sub>, 3, 1, 0; 1998 BU<sub>12</sub>, 3, 1, 0; 1998 BL<sub>23</sub>, 3, 1, 0; 1998 BD<sub>34</sub>, 3, 1, 0; 1998 BP<sub>34</sub>, 3, 1, 0; 1998 BO<sub>48</sub>, 3, 1, 0; 1998 CP, 3, 1, 0; 1998 CW<sub>1</sub>, 6, 2, 66; 1998 DC<sub>2</sub>, 3, 1, 0; 1998 DQ<sub>7</sub>, 6, 2, 61; 1998 DR<sub>7</sub>, 3, 1, 0; 1998 DG<sub>9</sub>, 6, 2, 23; 1998 DM<sub>10</sub>, 6, 2, 7; 1998 DG<sub>12</sub>, 3, 1, 0; 1998 DV<sub>15</sub>, 3, 1, 0; 1998 DW<sub>17</sub>, 6, 2, 7; 1998 DT<sub>22</sub>, 3, 1, 0; 1998 ES, 3, 1, 0; 1998 EH<sub>2</sub>, 3, 1, 0; 1998 ES<sub>5</sub>, 6, 2, 50; 1998 EZ<sub>5</sub>, 6, 2, 51; 1998 EC<sub>10</sub>, 3, 1, 0; 1998 EY<sub>10</sub>, 6, 2, 5; 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1998 HB<sub>116</sub>, 3, 1, 0; 1998 HD<sub>119</sub>, 3, 1, 0; 1998 HN<sub>119</sub>, 3, 1, 0; 1998 HT<sub>119</sub>, 9, 3, 13; 1998 HY<sub>119</sub>, 3, 1, 0; 1998 HS<sub>124</sub>, 6, 2, 12; 1998 HJ<sub>125</sub>, 3, 1, 0; 1998 HU<sub>138</sub>, 3, 1, 0; 1998 HS<sub>144</sub>, 3, 1, 0; 1998 HF<sub>146</sub>, 3, 1, 0; 1998 HX<sub>146</sub>, 3, 1, 0; 1998 HD<sub>152</sub>, 3, 1, 0; 1998 JT<sub>3</sub>, 3, 1, 0; 1998 KQ<sub>1</sub>, 3, 1, 0; 1998 KC<sub>6</sub>, 3, 1, 0; 1998 KX<sub>19</sub>, 3, 1, 0; 1998 KO<sub>30</sub>, 3, 1, 0; 1998 KO<sub>32</sub>, 6, 2, 33; 1998 KO<sub>43</sub>, 3, 1, 0; 1998 KC<sub>49</sub>, 3, 1, 0; 1998 KC<sub>52</sub>, 3, 1, 0; 1998 KC<sub>58</sub>, 3, 1, 0; 1998 KU<sub>58</sub>, 3, 1, 0; 1998 KM<sub>67</sub>, 3, 1, 0; 1998 MO<sub>12</sub>, 3, 1, 0; 1998 ML<sub>15</sub>, 3, 1, 0; 1998 MS<sub>15</sub>, 3, 1, 0; 1998 MU<sub>16</sub>, 3, 1, 0; 1998 MU<sub>18</sub>, 3, 1, 0; 1998 MM<sub>39</sub>, 3, 1, 0; 1998 MX<sub>40</sub>, 3, 1, 0; 1998 OE<sub>1</sub>, 9, 3, 20; 1998 OG<sub>1</sub>, 9, 3, 28; 1998 OC<sub>10</sub>, 3, 1, 0; 1998 QX<sub>1</sub>, 6, 2, 17; 1998 QH<sub>6</sub>, 6, 2, 29; 1998 QH<sub>9</sub>, 3, 1, 0; 1998 QO<sub>12</sub>, 3, 1, 0; 1998 QM<sub>24</sub>, 3, 1, 0; 1998 QW<sub>24</sub>, 9, 3, 28; 1998 QC<sub>30</sub>, 3, 1, 0; 1998 QA<sub>31</sub>, 12, 4, 57; 1998 QE<sub>31</sub>, 6, 2, 7; 1998 QU<sub>32</sub>, 3, 1, 0; 1998 QZ<sub>34</sub>, 3, 1, 0; 1998 QY<sub>35</sub>, 3, 1, 0; 1998 QN<sub>41</sub>, 3, 1, 0; 1998 QU<sub>42</sub>, 3, 1, 0; 1998 QX<sub>43</sub>, 6, 2, 26; 1998 QP<sub>46</sub>, 6, 2, 36; 1998 QL<sub>55</sub>, 6, 2, 12; 1998 QQ<sub>60</sub>, 3, 1, 0; 1998 QC<sub>61</sub>, 3, 1, 0; 1998 QC<sub>62</sub>, 3, 1, 0; 1998 QK<sub>62</sub>, 3, 1, 0; 1998 QV<sub>69</sub>, 9, 3, 65; 1998 QA<sub>70</sub>, 6, 2, 27; 1998 QA<sub>74</sub>, 3, 1, 0; 1998 QM<sub>74</sub>, 3, 1, 0; 1998 QN<sub>74</sub>, 9, 3, 10; 1998 QS<sub>74</sub>, 3, 1, 0; 1998 QL<sub>75</sub>, 3, 1, 0; 1998 QQ<sub>75</sub>, 3, 1, 0; 1998 QZ<sub>77</sub>, 6, 2, 65; 1998 QA<sub>78</sub>, 6, 2, 29; 1998 QT<sub>82</sub>, 3, 1, 0; 1998 QU<sub>82</sub>, 3, 1, 0; 1998 QW<sub>83</sub>, 3, 1, 0; 1998 QE<sub>84</sub>, 6, 2, 9; 1998 QJ<sub>84</sub>, 9, 3, 64; 1998 QU<sub>85</sub>, 6, 2, 37; 1998 QB<sub>86</sub>, 6, 2, 8; 1998 QB<sub>87</sub>, 9, 3, 51; 1998 QC<sub>87</sub>, 3, 1, 0; 1998 QM<sub>87</sub>, 3, 1, 0; 1998 QN<sub>87</sub>, 3, 1, 0; 1998 QY<sub>88</sub>, 3, 1, 0; 1998 QQ<sub>90</sub>, 3, 1, 0; 1998 QM<sub>95</sub>, 3, 1, 0; 1998 QU<sub>95</sub>, 3, 1, 0; 1998 QP<sub>96</sub>, 3, 1, 0; 1998 QO<sub>97</sub>, 3, 1, 0; 1998 QL<sub>98</sub>, 3, 1, 0; 1998 QB<sub>103</sub>, 3, 1, 0; 1998 KW<sub>106</sub>, 3, 1, 0; 1998 QP<sub>110</sub>, 6, 2, 14; 1998 RO<sub>1</sub>, 3, 1, 0; 1998 RA<sub>3</sub>, 3, 1, 0; 1998 RR<sub>3</sub>, 3, 1, 0; 1998 RW<sub>4</sub>, 3, 1, 0; 1998 RH<sub>6</sub>, 3, 1, 0; 1998 RB<sub>13</sub>, 6, 2, 51; 1998 RO<sub>18</sub>, 6, 2, 18; 1998 RL<sub>20</sub>, 6, 2, 5; 1998 RS<sub>21</sub>, 3, 1, 0; 1998 RW<sub>24</sub>, 3, 1, 0; 1998 RR<sub>25</sub>, 6, 2, 29; 1998 RK<sub>27</sub>, 3, 1, 0; 1998 RP<sub>30</sub>, 3, 1, 0; 1998 RR<sub>32</sub>, 3, 1, 0; 1998 RE<sub>35</sub>, 3, 1, 0; 1998 RK<sub>42</sub>, 3, 1, 0; 1998 RV<sub>47</sub>, 3, 1, 0; 1998 RM<sub>48</sub>, 3, 1, 0; 1998 RS<sub>48</sub>, 3, 1, 0; 1998 RZ<sub>50</sub>, 6, 2, 21; 1998 RT<sub>51</sub>, 3, 1, 0; 1998 RD<sub>53</sub>, 3, 1, 0; 1998 RL<sub>53</sub>, 6, 2, 7; 1998 RW<sub>53</sub>, 6, 2, 8; 1998 RA<sub>54</sub>, 3, 1, 0; 1998 RV<sub>56</sub>, 3, 1, 0; 1998 RY<sub>56</sub>, 6, 2, 12; 1998 RY<sub>63</sub>, 9, 3, 35; 1998 RW<sub>65</sub>, 3, 1, 0; 1998 RG<sub>67</sub>, 3, 1, 0; 1998 RQ<sub>67</sub>, 6, 2, 14; 1998 RL<sub>69</sub>, 12, 4, 13; 1998 RW<sub>69</sub>, 3, 1, 0; 1998 RE<sub>72</sub>, 3, 1, 0; 1998 RX<sub>73</sub>, 3, 1, 0; 1998 RQ<sub>75</sub>, 3, 1, 0; 1998 RM<sub>76</sub>, 15, 5, 36; 1998 RO<sub>76</sub>, 3, 1, 0; 1998 RH<sub>77</sub>, 3, 1, 0; 1998 RO<sub>79</sub>, 12, 4, 29; 1998 RG<sub>80</sub>, 3, 1, 0; 1998 SD<sub>9</sub>, 3, 55; 1998 SY<sub>1</sub>, 6, 2, 3; 1998 SB<sub>4</sub>, 3, 1, 0; 1998 SE<sub>4</sub>, 3, 1, 0; 1998 SP<sub>6</sub>, 6, 2, 12; 1998 SF<sub>10</sub>, 3, 1, 0; 1998 SJ<sub>10</sub>, 3, 1, 0; 1998 SM<sub>10</sub>, 3, 1, 0; 1998 SB<sub>11</sub>, 3, 1, 0; 1998 SV<sub>12</sub>, 3, 1, 0; 1998 SK<sub>13</sub>, 6, 2, 33; 1998 SQ<sub>13</sub>, 3, 1, 0; 1998 SK<sub>14</sub>, 3, 1, 0; 1998 SG<sub>17</sub>, 6, 2, 1; 1998 SE<sub>20</sub>, 3, 1, 0; 1998 SK<sub>22</sub>, 3, 1, 0; 1998 SR<sub>22</sub>, 6, 2, 10; 1998 SS<sub>24</sub>, 6, 2, 7; 1998 SW<sub>25</sub>, 6, 2, 3; 1998 SJ<sub>28</sub>, 6, 2, 7; 1998 SC<sub>29</sub>, 3, 1, 0; 1998 SR<sub>31</sub>, 3, 1, 0; 1998 SV<sub>31</sub>, 6, 2, 27; 1998 SH<sub>32</sub>, 3, 1, 0; 1998 SX<sub>34</sub>, 3, 1, 0; 1998 SC<sub>35</sub>, 3, 1, 0; 1998 SX<sub>41</sub>, 3, 1, 0; 1998 SL<sub>45</sub>, 3, 1, 0; 1998 SU<sub>49</sub>, 3, 1, 0; 1998 SK<sub>51</sub>, 3, 1, 0; 1998 SK<sub>52</sub>, 6, 2, 10; 1998 SC<sub>54</sub>, 3, 1, 0; 1998 SG<sub>55</sub>, 3, 1, 0; 1998 SZ<sub>56</sub>, 3, 1, 0; 1998 SM<sub>57</sub>, 3, 1, 0; 1998 SP<sub>58</sub>, 3, 1, 0; 1998 SB<sub>59</sub>, 3, 1, 0; 1998 SU<sub>61</sub>, 6, 2, 7; 1998 ST<sub>68</sub>, 6, 2, 13; 1998 SV<sub>69</sub>, 9, 3, 21; 1998 SE<sub>72</sub>, 9, 3, 35; 1998 SQ<sub>73</sub>, 6, 2, 8; 1998 SX<sub>73</sub>, 6, 2, 12; 1998 SB<sub>74</sub>, 3, 1, 0; 1998 SC<sub>76</sub>, 3, 1, 0; 1998 SU<sub>79</sub>, 3, 1, 0; 1998 SB<sub>80</sub>, 3, 1, 0; 1998 SB<sub>81</sub>, 3, 1, 0; 1998 SJ<sub>82</sub>, 3, 1, 0; 1998 SE<sub>83</sub>, 3, 1, 0; 1998 SG<sub>84</sub>, 3, 1, 0; 1998 SD<sub>87</sub>, 3, 1, 0; 1998 SA<sub>92</sub>, 3, 1, 0; 1998 SO<sub>92</sub>, 3, 1, 0; 1998 SQ<sub>96</sub>, 3, 1, 0; 1998 SJ<sub>98</sub>, 6, 2, 49; 1998 SK<sub>98</sub>, 3, 1, 0; 1998 SY<sub>98</sub>, 15, 5, 33; 1998 SC<sub>111</sub>, 3, 1, 0; 1998 SA<sub>112</sub>, 9, 3, 21; 1998 SF<sub>114</sub>, 3, 1, 0; 1998 SQ<sub>114</sub>, 6, 2, 36; 1998 SV<sub>114</sub>, 6, 2, 20; 1998 SN<sub>115</sub>, 3, 1, 0; 1998 SF<sub>118</sub>, 3, 1, 0; 1998 SA<sub>123</sub>, 3, 1, 0; 1998 SA<sub>126</sub>, 3, 1, 0; 1998 SP<sub>126</sub>, 3, 1, 0; 1998 SE<sub>127</sub>, 3, 1, 0; 1998 SR<sub>127</sub>, 6, 2, 29; 1998 SV<sub>127</sub>, 6, 2, 36; 1998 SV<sub>130</sub>, 6, 2, 50; 1998 SK<sub>131</sub>, 3, 1, 0; 1998 SS<sub>131</sub>, 3, 1, 0; 1998 SX<sub>131</sub>, 3, 1, 0; 1998 SN<sub>133</sub>, 3, 1, 0; 1998 SE<sub>137</sub>, 6, 2, 29; 1998 SS<sub>137</sub>, 3, 1, 0; 1998 SZ<sub>137</sub>, 6, 2, 9; 1998 SH<sub>138</sub>, 9, 3, 13; 1998 SG<sub>142</sub>, 3, 1, 0; 1998 SU<sub>142</sub>, 3, 1, 0; 1998 SN<sub>145</sub>, 6, 2, 7; 1998 SW<sub>146</sub>, 3, 1, 0; 1998 SG<sub>149</sub>, 3, 1, 0; 1998 SJ<sub>153</sub>, 3, 1, 0; 1998 SM<sub>153</sub>, 3, 1, 0; 1998 SP<sub>158</sub>, 3, 1, 0; 1998 ST<sub>158</sub>, 3, 1, 0; 1998 SG<sub>160</sub>, 3, 1, 0; 1998 TM<sub>1</sub>, 3, 1, 0; 1998 TM<sub>2</sub>, 3, 1, 0; 1998 TA<sub>10</sub>, 3, 1, 0; 1998 TC<sub>10</sub>, 6, 2, 10; 1998 TD<sub>11</sub>, 3, 1, 0; 1998 TT<sub>12</sub>, 3, 1, 0; 1998 TE<sub>18</sub>, 3, 1, 0; 1998 TE<sub>19</sub>, 3, 1, 0; 1998 TE<sub>20</sub>, 3, 1, 0; 1998 TJ<sub>26</sub>, 6, 2, 6; 1998 TO<sub>31</sub>, 3, 1, 0; 1998 TJ<sub>32</sub>, 3, 1, 0; 1998 TY<sub>32</sub>, 9, 3, 57; 1998 TA<sub>33</sub>, 3, 1, 0; 1998 TS<sub>33</sub>, 3, 1, 0; 1998 UF<sub>6</sub>, 2, 30; 1998 UU<sub>9</sub>, 3, 61; 1998 UV<sub>12</sub>, 4, 44; 1998 UH<sub>1</sub>, 6, 2, 12; 1998 UM<sub>4</sub>, 3, 1, 0; 1998 UA<sub>7</sub>, 3, 1, 0; 1998 UA<sub>9</sub>, 3, 1, 0; 1998 UV<sub>23</sub>, 3, 1, 0; 1998 UR<sub>24</sub>, 6, 2, 7; 1998 UJ<sub>26</sub>, 3, 1, 0; 1998 UC<sub>27</sub>, 3, 1, 0; 1998 UJ<sub>27</sub>, 3, 1, 0; 1998 UL<sub>30</sub>, 3, 1, 0; 1998 UP<sub>34</sub>, 3, 1, 0; 1998 UN<sub>36</sub>, 3, 1, 0; 1998 UL<sub>44</sub>, 3, 1, 0; 1998 VC<sub>8</sub>, 3, 1, 0; 1998 VK<sub>15</sub>, 6, 2, 12; 1998 VG<sub>28</sub>, 3, 1, 0; 1998 VJ<sub>30</sub>, 3, 1, 0; 1998 VW<sub>36</sub>, 6, 2, 29; 1998 VY<sub>41</sub>, 3, 1, 0; 1998 VW<sub>43</sub>, 3, 1, 0; 1998 VX<sub>45</sub>, 6, 2, 13; 1998 VY<sub>49</sub>, 3, 1, 0; 1998 VE<sub>50</sub>, 6, 2, 19; 1998 VZ<sub>52</sub>, 9, 3, 28; 1998 VG<sub>53</sub>, 6, 2, 33; 1998 VA<sub>55</sub>, 6, 2, 5; 1998 WV<sub>3</sub>, 1, 0; 1998 WE<sub>5</sub>, 6, 2, 56; 1998 WL<sub>13</sub>, 3, 1, 0; 1998 WK<sub>15</sub>, 3, 1, 0; 1998 WO<sub>15</sub>, 3, 1, 0; 1998 WL<sub>17</sub>, 3, 1, 0; 1998 WX<sub>19</sub>, 3, 1, 0; 1998 WC<sub>23</sub>, 3, 1, 0; 1998 WD<sub>29</sub>, 3, 1, 0; 1998 WP<sub>32</sub>, 3, 1, 0; 1998 WT<sub>37</sub>, 3, 1, 0; 1998 XY<sub>3</sub>, 1, 0; 1998 XC<sub>1</sub>, 3, 1, 0; 1998 XX<sub>6</sub>, 3, 1, 0; 1998 XL<sub>9</sub>, 3, 1, 0; 1998 XY<sub>9</sub>, 3, 1, 0; 1998 XW<sub>11</sub>, 6, 2, 75; 1998 XC<sub>12</sub>, 3, 1, 0; 1998 XC<sub>19</sub>, 3, 1, 0; 1998 XH<sub>21</sub>, 3, 1, 0; 1998 XN<sub>28</sub>, 3, 1, 0; 1998 XQ<sub>49</sub>, 3, 1, 0; 1998 XN<sub>53</sub>, 3, 1, 0; 1998 XR<sub>53</sub>, 3, 1, 0; 1998 XJ<sub>63</sub>, 3, 1, 0; 1998 XV<sub>67</sub>, 3, 1, 0; 1998 XP<sub>71</sub>, 3, 1, 0; 1998 XC<sub>78</sub>, 3, 1, 0; 1998 XN<sub>94</sub>, 6, 1, 0; 1998 YP<sub>4</sub>, 3, 1, 0; 1998 YR<sub>4</sub>, 3, 1, 0; 1998 YH<sub>5</sub>, 6, 2, 36; 1998 YG<sub>6</sub>, 3, 1, 0; 1998 YW<sub>8</sub>, 3, 1, 0; 1998 YW<sub>10</sub>, 9, 3, 20; 1998 YO<sub>16</sub>, 3, 1, 0; 1998 AE<sub>34</sub>, 3, 1, 0; 1998 BH<sub>5</sub>, 3, 1, 0; 1998 BO<sub>16</sub>, 3, 1, 0; 1998 BQ<sub>29</sub>, 3, 1, 0; 1998 BH<sub>11</sub>, 3, 1, 0; 1998 BE<sub>12</sub>, 6, 2, 15; 1998 BF<sub>13</sub>, 3, 1, 0; 1998 BT<sub>13</sub>, 3, 1, 0; 1998 BC<sub>20</sub>, 3, 1, 0; 1998 BV<sub>24</sub>, 3, 1, 0; 1998 BL<sub>27</sub>, 3, 1, 0; 1998 BQ<sub>31</sub>, 3, 1, 0; 1998 CB<sub>1</sub>, 3, 1, 0; 1998 CF<sub>4</sub>, 3, 1, 0; 1998 CQ<sub>6</sub>, 6, 2, 11; 1998 CA<sub>22</sub>, 3, 1, 0; 1998 CW<sub>28</sub>, 3, 1, 0; 1998 CS<sub>30</sub>, 3, 1, 0; 1998 CS<sub>36</sub>, 3, 1, 0; 1998 CJ<sub>42</sub>, 3, 1, 0; 1998 CA<sub>50</sub>, 3, 1, 0; 1998 CG<sub>51</sub>, 3, 1, 0; 1998 CN<sub>52</sub>, 3, 1, 0; 1998 CL<sub>60</sub>, 3, 1, 0; 1998 CU<sub>65</sub>, 3, 1, 0; 1998 CQ<sub>122</sub>, 6, 2, 22; 1998 CZ<sub>122</sub>, 3, 1, 0; 1998 CJ<sub>124</sub>, 3, 1, 0; 1998 CS<sub>133</sub>, 3, 1, 0; 1998 CG<sub>137</sub>, 6, 2, 18; 1998 CM<sub>138</sub>, 3, 1, 0; 1998 CY<sub>149</sub>, 3, 1, 0;

1999 CC<sub>156</sub>, 6, 2, 15; 1999 CZ<sub>157</sub>, 6, 2, 11; 1999 DG<sub>3</sub>, 3, 1, 0; 1999 DO<sub>3</sub>, 3, 1, 0; 1999 DD<sub>23</sub>, 3, 1, 0; 1999 EP<sub>3</sub>, 3, 1, 0; 1999 EY<sub>5</sub>, 3, 1, 0; 1999 EG<sub>6</sub>, 3, 1, 0; 1999 FZ<sub>3</sub>, 3, 1, 0; 1999 FL<sub>1</sub>, 3, 1, 0; 1999 FC<sub>3</sub>, 3, 1, 0; 1999 FE<sub>7</sub>, 3, 1, 0; 1999 FJ<sub>9</sub>, 3, 1, 0; 1999 FP<sub>9</sub>, 3, 1, 0; 1999 FL<sub>10</sub>, 3, 1, 0; 1999 FW<sub>12</sub>, 3, 1, 0; 1999 FY<sub>17</sub>, 6, 2, 8; 1999 FT<sub>19</sub>, 3, 1, 0; 1999 FV<sub>28</sub>, 3, 1, 0; 1999 FW<sub>28</sub>, 3, 1, 0; 1999 FC<sub>30</sub>, 3, 1, 0; 1999 FW<sub>35</sub>, 3, 1, 0; 1999 FU<sub>36</sub>, 3, 1, 0; 1999 FU<sub>44</sub>, 3, 1, 0; 1999 FO<sub>49</sub>, 3, 1, 0; 1999 GK<sub>3</sub>, 1, 0; 1999 GJ<sub>2</sub>, 18, 6, 42; 1999 GB<sub>7</sub>, 9, 3, 42; 1999 GZ<sub>8</sub>, 3, 1, 0; 1999 GC<sub>16</sub>, 3, 1, 0; 1999 GO<sub>18</sub>, 3, 1, 0; 1999 GZ<sub>19</sub>, 12, 4, 61; 1999 GF<sub>21</sub>, 3, 1, 0; 1999 GX<sub>25</sub>, 3, 1, 0; 1999 GP<sub>31</sub>, 9, 3, 28; 1999 GU<sub>33</sub>, 6, 2, 54; 1999 GQ<sub>34</sub>, 3, 1, 0; 1999 GX<sub>35</sub>, 3, 1, 0; 1999 GZ<sub>35</sub>, 3, 1, 0; 1999 GN<sub>42</sub>, 3, 1, 0; 1999 GD<sub>46</sub>, 6, 2, 10; 1999 GT<sub>53</sub>, 6, 2, 7; 1999 HZ<sub>6</sub>, 6, 2, 33; 1999 HQ<sub>9</sub>, 12, 4, 29; 1999 HZ<sub>10</sub>, 3, 1, 0; 1999 JJ<sub>2</sub>, 3, 1, 0; 1999 JJ<sub>3</sub>, 3, 1, 0; 1999 JN<sub>3</sub>, 9, 3, 45; 1999 JM<sub>6</sub>, 9, 3, 30; 1999 JS<sub>8</sub>, 3, 1, 0; 1999 JG<sub>9</sub>, 15, 5, 56; 1999 JF<sub>10</sub>, 3, 1, 0; 1999 JC<sub>11</sub>, 3, 1, 0; 1999 JK<sub>11</sub>, 6, 2, 30; 1999 JY<sub>12</sub>, 3, 1, 0; 1999 JA<sub>13</sub>, 6, 2, 40; 1999 JU<sub>13</sub>, 6, 2, 4; 1999 JG<sub>14</sub>, 3, 1, 0; 1999 JU<sub>15</sub>, 9, 3, 18; 1999 JV<sub>15</sub>, 6, 2, 66; 1999 JT<sub>16</sub>, 3, 1, 0; 1999 JE<sub>17</sub>, 3, 1, 0; 1999 JT<sub>18</sub>, 3, 1, 0; 1999 JX<sub>22</sub>, 6, 2, 15; 1999 JM<sub>23</sub>, 6, 2, 5; 1999 JO<sub>23</sub>, 3, 1, 0; 1999 JV<sub>23</sub>, 3, 1, 0; 1999 JJ<sub>26</sub>, 3, 1, 0; 1999 JS<sub>27</sub>, 3, 1, 0; 1999 JC<sub>29</sub>, 3, 1, 0; 1999 JM<sub>29</sub>, 3, 1, 0; 1999 JJ<sub>30</sub>, 3, 1, 0; 1999 JQ<sub>33</sub>, 6, 2, 19; 1999 JG<sub>37</sub>, 3, 1, 0; 1999 JQ<sub>40</sub>, 3, 1, 0; 1999 JV<sub>40</sub>, 9, 3, 40; 1999 JZ<sub>41</sub>, 3, 1, 0; 1999 JQ<sub>43</sub>, 6, 2, 11; 1999 JF<sub>45</sub>, 3, 1, 0; 1999 JE<sub>46</sub>, 6, 2, 5; 1999 JR<sub>49</sub>, 3, 1, 0; 1999 JL<sub>50</sub>, 6, 2, 26; 1999 JC<sub>51</sub>, 9, 3, 29; 1999 JQ<sub>51</sub>, 6, 2, 26; 1999 JT<sub>51</sub>, 9, 3, 28; 1999 JW<sub>51</sub>, 3, 1, 0; 1999 JO<sub>52</sub>, 3, 1, 0; 1999 JY<sub>54</sub>, 6, 2, 13; 1999 JC<sub>55</sub>, 3, 1, 0; 1999 JF<sub>55</sub>, 6, 2, 18; 1999 JP<sub>58</sub>, 3, 1, 0; 1999 JY<sub>59</sub>, 6, 2, 21; 1999 JE<sub>60</sub>, 9, 3, 33; 1999 JC<sub>61</sub>, 3, 1, 0; 1999 JU<sub>61</sub>, 3, 1, 0; 1999 JV<sub>62</sub>, 3, 1, 0; 1999 JY<sub>63</sub>, 6, 2, 38; 1999 JW<sub>64</sub>, 9, 3, 43; 1999 JG<sub>65</sub>, 3, 1, 0; 1999 JK<sub>66</sub>, 9, 3, 49; 1999 JA<sub>68</sub>, 6, 2, 31; 1999 JB<sub>69</sub>, 3, 1, 0; 1999 JH<sub>69</sub>, 3, 1, 0; 1999 JK<sub>71</sub>, 3, 1, 0; 1999 JU<sub>71</sub>, 3, 1, 0; 1999 JW<sub>72</sub>, 9, 3, 34; 1999 JF<sub>75</sub>, 3, 1, 0; 1999 JV<sub>75</sub>, 3, 1, 0; 1999 JN<sub>76</sub>, 3, 1, 0; 1999 JS<sub>76</sub>, 6, 2, 50; 1999 JU<sub>77</sub>, 15, 5, 33; 1999 JP<sub>79</sub>, 3, 1, 0; 1999 JU<sub>82</sub>, 3, 1, 0; 1999 JL<sub>84</sub>, 6, 2, 10; 1999 JG<sub>87</sub>, 9, 2, 2; 1999 JN<sub>87</sub>, 6, 2, 29; 1999 JS<sub>87</sub>, 3, 1, 0; 1999 JW<sub>87</sub>, 3, 1, 0; 1999 JF<sub>88</sub>, 9, 3, 31; 1999 JQ<sub>88</sub>, 3, 1, 0; 1999 JF<sub>90</sub>, 3, 1, 0; 1999 JO<sub>90</sub>, 3, 1, 0; 1999 JQ<sub>90</sub>, 3, 1, 0; 1999 JT<sub>91</sub>, 3, 1, 0; 1999 JX<sub>91</sub>, 3, 1, 0; 1999 JY<sub>92</sub>, 3, 1, 0; 1999 JH<sub>95</sub>, 3, 1, 0; 1999 JS<sub>95</sub>, 3, 1, 0; 1999 JW<sub>95</sub>, 3, 1, 0; 1999 JY<sub>96</sub>, 3, 1, 0; 1999 JP<sub>97</sub>, 3, 1, 0; 1999 JY<sub>97</sub>, 3, 1, 0; 1999 JP<sub>98</sub>, 9, 3, 34; 1999 JP<sub>98</sub>, 9, 3, 34; 1999 JX<sub>99</sub>, 3, 1, 0; 1999 JK<sub>100</sub>, 3, 1, 0; 1999 JL<sub>102</sub>, 6, 2, 26; 1999 JH<sub>105</sub>, 3, 1, 0; 1999 JS<sub>106</sub>, 3, 1, 0; 1999 JG<sub>111</sub>, 3, 1, 0; 1999 JJ<sub>113</sub>, 3, 1, 0; 1999 JT<sub>113</sub>, 3, 1, 0; 1999 JV<sub>114</sub>, 9, 3, 12; 1999 JW<sub>114</sub>, 6, 2, 38; 1999 JB<sub>117</sub>, 3, 1, 0; 1999 JF<sub>121</sub>, 6, 2, 4; 1999 JL<sub>122</sub>, 6, 2, 56; 1999 JZ<sub>123</sub>, 9, 3, 33; 1999 JY<sub>124</sub>, 3, 1, 0; 1999 JC<sub>127</sub>, 9, 3, 110; 1999 JZ<sub>127</sub>, 6, 2, 10; 1999 JK<sub>130</sub>, 9, 3, 20; 1999 JT<sub>130</sub>, 3, 1, 0; 1999 JY<sub>131</sub>, 3, 1, 0; 1999 JJ<sub>134</sub>, 3, 1, 0; 1999 JG<sub>136</sub>, 3, 1, 0; 1999 KD<sub>6</sub>, 2, 4; 1999 KG<sub>9</sub>, 3, 1, 0; 1999 KP<sub>11</sub>, 3, 1, 0; 1999 KU<sub>11</sub>, 3, 1, 0; 1999 KS<sub>12</sub>, 3, 1, 0; 1999 KQ<sub>13</sub>, 3, 1, 0; 1999 KS<sub>14</sub>, 3, 1, 0; 1999 KT<sub>18</sub>, 3, 1, 0; 1999 LW<sub>3</sub>, 3, 1, 0; 1999 LN<sub>4</sub>, 6, 2, 31; 1999 LH<sub>5</sub>, 6, 2, 65; 1999 LY<sub>6</sub>, 3, 1, 0; 1999 LS<sub>8</sub>, 3, 1, 0; 1999 LJ<sub>11</sub>, 15, 5, 34; 1999 LA<sub>13</sub>, 3, 1, 0; 1999 LO<sub>20</sub>, 3, 1, 0; 1999 LZ<sub>20</sub>, 3, 1, 0; 1999 LA<sub>22</sub>, 3, 1, 0; 1999 LC<sub>25</sub>, 3, 1, 0; 1999 LA<sub>35</sub>, 6, 2, 26; 1999 MK<sub>1</sub>, 9, 3, 33; 1999 NY<sub>3</sub>, 1, 0; 1999 NZ<sub>3</sub>, 1, 0; 1999 NH<sub>2</sub>, 6, 2, 60; 1999 NT<sub>2</sub>, 3, 1, 0; 1999 NF<sub>4</sub>, 3, 1, 0; 1999 NU<sub>5</sub>, 6, 2, 8; 1999 NS<sub>6</sub>, 3, 1, 0; 1999 NB<sub>7</sub>, 3, 1, 0; 1999 NC<sub>7</sub>, 3, 1, 0; 1999 NW<sub>7</sub>, 3, 1, 0; 1999 NC<sub>8</sub>, 3, 1, 0; 1999 NR<sub>9</sub>, 3, 1, 0; 1999 NN<sub>10</sub>, 9, 3, 65; 1999 NR<sub>13</sub>, 3, 1, 0; 1999 NN<sub>15</sub>, 6, 2, 53; 1999 NT<sub>15</sub>, 3, 1, 0; 1999 NQ<sub>19</sub>, 3, 1, 0;



1999 RM<sub>110</sub>, 12, 4, 46; 1999 RV<sub>110</sub>, 3, 1, 0; 1999 RZ<sub>110</sub>, 3, 1, 0; 1999 RN<sub>111</sub>, 3, 1, 0; 1999 RA<sub>112</sub>, 3, 1, 0; 1999 RD<sub>113</sub>, 12, 4, 56; 1999 RW<sub>113</sub>, 3, 1, 0; 1999 RU<sub>115</sub>, 6, 2, 20; 1999 RS<sub>117</sub>, 3, 1, 0; 1999 RH<sub>118</sub>, 3, 1, 0; 1999 RM<sub>118</sub>, 3, 1, 0; 1999 RN<sub>118</sub>, 3, 1, 0; 1999 RT<sub>118</sub>, 3, 1, 0; 1999 RZ<sub>118</sub>, 3, 1, 0; 1999 RJ<sub>120</sub>, 9, 3, 56; 1999 RL<sub>124</sub>, 12, 4, 46; 1999 RM<sub>124</sub>, 6, 2, 5; 1999 RQ<sub>124</sub>, 6, 2, 26; 1999 RS<sub>124</sub>, 15, 5, 40; 1999 RU<sub>124</sub>, 9, 3, 57; 1999 RT<sub>125</sub>, 3, 1, 0; 1999 RM<sub>126</sub>, 9, 3, 28; 1999 RH<sub>127</sub>, 6, 2, 8; 1999 RQ<sub>127</sub>, 3, 1, 0; 1999 RC<sub>128</sub>, 3, 1, 0; 1999 RV<sub>130</sub>, 6, 2, 44; 1999 RZ<sub>130</sub>, 3, 1, 0; 1999 RT<sub>131</sub>, 6, 2, 20; 1999 RC<sub>132</sub>, 3, 1, 0; 1999 RQ<sub>132</sub>, 12, 4, 55; 1999 RB<sub>133</sub>, 3, 1, 0; 1999 RN<sub>133</sub>, 3, 1, 0; 1999 RZ<sub>133</sub>, 3, 1, 0; 1999 RE<sub>134</sub>, 6, 2, 33; 1999 RX<sub>134</sub>, 9, 3, 57; 1999 RS<sub>135</sub>, 9, 3, 13; 1999 RX<sub>135</sub>, 6, 2, 11; 1999 RO<sub>136</sub>, 6, 2, 20; 1999 RU<sub>136</sub>, 3, 1, 0; 1999 RO<sub>138</sub>, 3, 1, 0; 1999 RL<sub>139</sub>, 3, 1, 0; 1999 RC<sub>143</sub>, 3, 1, 0; 1999 RP<sub>144</sub>, 6, 2, 29; 1999 RM<sub>145</sub>, 3, 1, 0; 1999 RS<sub>145</sub>, 9, 3, 28; 1999 RW<sub>145</sub>, 3, 1, 0; 1999 RN<sub>146</sub>, 3, 1, 0; 1999 RV<sub>150</sub>, 9, 3, 28; 1999 RL<sub>152</sub>, 3, 1, 0; 1999 RR<sub>152</sub>, 6, 2, 29; 1999 RT<sub>152</sub>, 6, 2, 18; 1999 RD<sub>153</sub>, 3, 1, 0; 1999 RS<sub>153</sub>, 3, 1, 0; 1999 RK<sub>154</sub>, 6, 2, 16; 1999 RH<sub>155</sub>, 3, 1, 0; 1999 RZ<sub>155</sub>, 3, 1, 0; 1999 RB<sub>156</sub>, 3, 1, 0; 1999 RL<sub>156</sub>, 6, 2, 20; 1999 RU<sub>157</sub>, 3, 1, 0; 1999 RM<sub>161</sub>, 12, 4, 38; 1999 RZ<sub>161</sub>, 6, 2, 43; 1999 RC<sub>162</sub>, 6, 2, 7; 1999 RB<sub>163</sub>, 6, 2, 58; 1999 RS<sub>163</sub>, 6, 2, 5; 1999 RN<sub>164</sub>, 3, 1, 0; 1999 RP<sub>164</sub>, 3, 1, 0; 1999 RZ<sub>164</sub>, 9, 3, 11; 1999 RH<sub>165</sub>, 3, 1, 0; 1999 RL<sub>165</sub>, 3, 1, 0; 1999 RF<sub>166</sub>, 3, 1, 0; 1999 RX<sub>166</sub>, 9, 3, 13; 1999 RE<sub>168</sub>, 3, 1, 0; 1999 RD<sub>169</sub>, 9, 3, 42; 1999 RL<sub>170</sub>, 3, 1, 0; 1999 RD<sub>171</sub>, 3, 1, 0; 1999 RW<sub>171</sub>, 3, 1, 0; 1999 RU<sub>173</sub>, 9, 3, 43; 1999 RU<sub>174</sub>, 3, 1, 0; 1999 RY<sub>176</sub>, 3, 1, 0; 1999 RA<sub>178</sub>, 3, 1, 0; 1999 RU<sub>178</sub>, 6, 2, 31; 1999 RO<sub>180</sub>, 3, 1, 0; 1999 RR<sub>180</sub>, 12, 4, 36; 1999 RA<sub>181</sub>, 6, 2, 36; 1999 RW<sub>182</sub>, 6, 2, 7; 1999 RB<sub>185</sub>, 6, 2, 50; 1999 RE<sub>186</sub>, 9, 3, 27; 1999 RH<sub>186</sub>, 3, 1, 0; 1999 RH<sub>187</sub>, 6, 2, 6; 1999 RB<sub>190</sub>, 3, 1, 0; 1999 RF<sub>191</sub>, 3, 1, 0; 1999 RT<sub>193</sub>, 3, 1, 0; 1999 RB<sub>194</sub>, 3, 1, 0; 1999 RK<sub>194</sub>, 3, 1, 0; 1999 RE<sub>195</sub>, 9, 3, 51; 1999 RT<sub>195</sub>, 3, 1, 0; 1999 RN<sub>197</sub>, 3, 1, 0; 1999 RQ<sub>197</sub>, 3, 1, 0; 1999 RW<sub>198</sub>, 6, 2, 10; 1999 RX<sub>198</sub>, 6, 2, 30; 1999 RR<sub>199</sub>, 6, 2, 26; 1999 RD<sub>200</sub>, 3, 1, 0; 1999 RE<sub>200</sub>, 3, 1, 0; 1999 RJ<sub>200</sub>, 3, 1, 0; 1999 RU<sub>200</sub>, 3, 1, 0; 1999 RY<sub>200</sub>, 6, 2, 17; 1999 RT<sub>201</sub>, 6, 2, 46; 1999 RV<sub>201</sub>, 9, 2, 19; 1999 RX<sub>201</sub>, 6, 2, 26; 1999 RA<sub>204</sub>, 6, 2, 37; 1999 RJ<sub>204</sub>, 3, 1, 0; 1999 RM<sub>204</sub>, 12, 4, 44; 1999 RV<sub>204</sub>, 6, 2, 19; 1999 RE<sub>205</sub>, 6, 2, 13; 1999 RJ<sub>205</sub>, 3, 1, 0; 1999 RP<sub>205</sub>, 6, 2, 35; 1999 RC<sub>208</sub>, 6, 2, 25; 1999 RF<sub>208</sub>, 15, 5, 56; 1999 RH<sub>208</sub>, 6, 2, 20; 1999 RJ<sub>208</sub>, 9, 3, 56; 1999 RS<sub>208</sub>, 9, 3, 23; 1999 RP<sub>209</sub>, 6, 2, 8; 1999 RT<sub>210</sub>, 3, 1, 0; 1999 RV<sub>210</sub>, 3, 1, 0; 1999 RC<sub>211</sub>, 6, 2, 47; 1999 RB<sub>212</sub>, 6, 2, 38; 1999 RJ<sub>212</sub>, 3, 1, 0; 1999 RW<sub>212</sub>, 3, 1, 0; 1999 RA<sub>213</sub>, 3, 1, 0; 1999 RQ<sub>219</sub>, 3, 1, 0; 1999 RL<sub>221</sub>, 3, 1, 0; 1999 RE<sub>226</sub>, 9, 3, 43; 1999 RW<sub>229</sub>, 12, 4, 16; 1999 RN<sub>232</sub>, 3, 1, 0; 1999 RO<sub>234</sub>, 3, 1, 0; 1999 RY<sub>234</sub>, 6, 2, 5; 1999 RW<sub>235</sub>, 9, 3, 7; 1999 RM<sub>237</sub>, 3, 1, 0; 1999 RV<sub>237</sub>, 6, 2, 25; 1999 RM<sub>238</sub>, 3, 1, 0; 1999 RU<sub>242</sub>, 12, 4, 33; 1999 RY<sub>242</sub>, 3, 1, 0; 1999 RN<sub>246</sub>, 6, 2, 56; 1999 RO<sub>246</sub>, 6, 2, 7; 1999 RZ<sub>248</sub>, 6, 2, 33; 1999 RQ<sub>252</sub>, 3, 1, 0; 1999 RH<sub>258</sub>, 9, 3, 48; 1999 SQ<sub>1</sub>, 6, 2, 10; 1999 SR<sub>2</sub>, 3, 1, 0; 1999 SF<sub>3</sub>, 9, 3, 57; 1999 SR<sub>3</sub>, 3, 1, 0; 1999 SM<sub>4</sub>, 3, 1, 0; 1999 SV<sub>4</sub>, 3, 1, 0; 1999 SD<sub>6</sub>, 3, 1, 0; 1999 SE<sub>8</sub>, 3, 1, 0; 1999 SN<sub>13</sub>, 9, 3, 28; 1999 SJ<sub>15</sub>, 3, 1, 0; 1999 SE<sub>16</sub>, 3, 1, 0; 1999 SV<sub>17</sub>, 6, 2, 5; 1999 SC<sub>19</sub>, 3, 1, 0; 1999 SA<sub>20</sub>, 6, 2, 5; 1999 ST<sub>26</sub>, 6, 2, 8; 1999 SE<sub>27</sub>, 3, 1, 0; 1999 TM<sub>2</sub>, 3, 1, 0; 1999 TS<sub>3</sub>, 3, 1, 0; 1999 TH<sub>4</sub>, 3, 1, 0; 1999 TM<sub>4</sub>, 6, 2, 14; 1999 TF<sub>8</sub>, 6, 2, 6; 1999 TB<sub>9</sub>, 12, 3, 57; 1999 TL<sub>9</sub>, 6, 2, 56; 1999 TB<sub>13</sub>, 6, 2, 26; 1999 TR<sub>15</sub>, 12, 4, 33; 1999 TE<sub>17</sub>, 3, 1, 0; 1999 TJ<sub>17</sub>, 3, 1, 0; 1999 TU<sub>17</sub>, 3, 1, 0; 1999 TB<sub>18</sub>, 3, 1, 0; 1999 TC<sub>19</sub>, 3, 1, 0; 1999 TX<sub>25</sub>, 3, 1, 0; 1999 TF<sub>26</sub>, 3, 1, 0; 1999 TT<sub>26</sub>, 9, 3, 19; 1999 TU<sub>27</sub>, 3, 1, 0; 1999 TZ<sub>27</sub>, 3, 1, 0; 1999 TM<sub>28</sub>, 3, 1, 0; 1999 TR<sub>28</sub>, 12, 4, 40; 1999 TB<sub>29</sub>, 3, 1, 0; 1999 TE<sub>29</sub>, 3, 1, 0; 1999 TA<sub>32</sub>, 6, 2, 17; 1999 TB<sub>32</sub>, 3, 1, 0; 1999 TQ<sub>33</sub>, 3, 1, 0; 1999 TP<sub>35</sub>, 3, 1, 0; 1999 TR<sub>35</sub>, 3, 1, 0; 1999 TE<sub>36</sub>, 3, 1, 0; 1999 TJ<sub>36</sub>, 6, 2, 10; 1999 TC<sub>37</sub>, 3, 1, 0; 1999 TT<sub>37</sub>, 3, 1, 0; 1999 TV<sub>37</sub>, 6, 2, 8; 1999 TJ<sub>38</sub>, 3, 1, 0; 1999 TZ<sub>40</sub>, 3, 1, 0; 1999 TH<sub>41</sub>, 15, 4, 62; 1999 TU<sub>45</sub>, 3, 1, 0; 1999 TA<sub>46</sub>, 3, 1, 0; 1999 TJ<sub>52</sub>, 3, 1, 0; 1999 TW<sub>66</sub>, 3, 1, 0; 1999 TM<sub>70</sub>, 6, 2, 19; 1999 TK<sub>75</sub>, 6, 2, 20; 1999 TF<sub>78</sub>, 3, 1, 0; 1999 TN<sub>86</sub>, 3, 1, 0; 1999 TJ<sub>88</sub>, 3, 1, 0; 1999 TL<sub>89</sub>, 3, 1, 0; 1999 TU<sub>91</sub>, 3, 1, 0; 1999 TY<sub>92</sub>, 9, 3, 61; 1999 TY<sub>93</sub>, 6, 2, 3; 1999 TS<sub>95</sub>, 6, 2, 4; 1999 TE<sub>96</sub>, 3, 1, 0; 1999 TM<sub>96</sub>, 6, 2, 8; 1999 TT<sub>96</sub>, 3, 1, 0; 1999 TG<sub>97</sub>, 3, 1, 0; 1999 TO<sub>97</sub>, 12, 3, 33; 1999 TR<sub>97</sub>, 3, 1, 0; 1999 TV<sub>97</sub>, 3, 1, 0; 1999 TK<sub>99</sub>, 3, 1, 0; 1999 TQ<sub>99</sub>, 3, 1, 0; 1999 TU<sub>99</sub>, 3, 1, 0; 1999 TA<sub>101</sub>, 6, 2, 8; 1999 TX<sub>101</sub>, 3, 1, 0; 1999 TB<sub>102</sub>, 6, 2, 21; 1999 TK<sub>102</sub>, 15, 5, 42; 1999 TX<sub>102</sub>, 6, 2, 5; 1999 TF<sub>103</sub>, 9, 3, 28; 1999 TG<sub>105</sub>, 3, 1, 0; 1999 TL<sub>105</sub>, 3, 1, 0; 1999 TL<sub>106</sub>, 3, 1, 0; 1999 TX<sub>106</sub>, 3, 1, 0; 1999 TC<sub>107</sub>, 3, 1, 0; 1999 TE<sub>107</sub>, 6, 2, 26; 1999 TN<sub>107</sub>, 3, 1, 0; 1999 TZ<sub>108</sub>, 3, 1, 0; 1999 TH<sub>109</sub>, 15, 5, 50; 1999 TG<sub>110</sub>, 6, 2, 26; 1999 TH<sub>110</sub>, 6, 2, 26; 1999 TN<sub>110</sub>, 3, 1, 0; 1999 TH<sub>111</sub>, 3, 1, 0; 1999 TH<sub>111</sub>, 3, 1, 0; 1999 TG<sub>113</sub>, 3, 1, 0; 1999 TO<sub>113</sub>, 6, 2, 38; 1999 TV<sub>113</sub>, 9, 3, 11; 1999 TV<sub>114</sub>, 3, 1, 0; 1999 TX<sub>114</sub>, 3, 1, 0; 1999 TM<sub>115</sub>, 3, 1, 0; 1999 TZ<sub>115</sub>, 6, 2, 57; 1999 TZ<sub>116</sub>, 3, 1, 0; 1999 TB<sub>118</sub>, 3, 1, 0; 1999 TR<sub>118</sub>, 3, 1, 0; 1999 TF<sub>119</sub>, 3, 1, 0; 1999 TR<sub>119</sub>, 3, 1, 0; 1999 TT<sub>119</sub>, 3, 1, 0; 1999 TJ<sub>120</sub>, 3, 1, 0; 1999 TE<sub>122</sub>, 3, 1, 0; 1999 TQ<sub>122</sub>, 3, 1, 0; 1999 TR<sub>122</sub>, 3, 1, 0; 1999 TJ<sub>122</sub>, 3, 1, 0; 1999 TP<sub>123</sub>, 3, 1, 0; 1999 TW<sub>124</sub>, 3, 1, 0; 1999 TJ<sub>126</sub>, 3, 1, 0; 1999 TO<sub>127</sub>, 3, 1, 0; 1999 TB<sub>128</sub>, 3, 1, 0; 1999 TO<sub>128</sub>, 9, 3, 59; 1999 TF<sub>134</sub>, 3, 1, 0; 1999 TJ<sub>134</sub>, 3, 1, 0; 1999 TJ<sub>135</sub>, 6, 2, 19; 1999 TM<sub>135</sub>, 3, 1, 0; 1999 TK<sub>138</sub>, 3, 1, 0; 1999 TP<sub>147</sub>, 3, 1, 0; 1999 TC<sub>148</sub>, 3, 1, 0; 1999 TM<sub>148</sub>, 3, 1, 0; 1999 TJ<sub>149</sub>, 9, 3, 33; 1999 TB<sub>151</sub>, 6, 2, 29; 1999 TQ<sub>151</sub>, 3, 1, 0; 1999 TJ<sub>151</sub>, 3, 1, 0; 1999 TL<sub>152</sub>, 3, 1, 0; 1999 TQ<sub>152</sub>, 3, 1, 0; 1999 TC<sub>153</sub>, 3, 1, 0; 1999 TX<sub>153</sub>, 9, 3, 13; 1999 TY<sub>153</sub>, 3, 1, 0; 1999 TP<sub>156</sub>, 3, 1, 0; 1999 TQ<sub>156</sub>, 3, 1, 0; 1999 TY<sub>158</sub>, 3, 1, 0; 1999 TV<sub>159</sub>, 3, 1, 0; 1999 TT<sub>163</sub>, 3, 1, 0; 1999 TL<sub>164</sub>, 3, 1, 0; 1999 TZ<sub>164</sub>, 3, 1, 0; 1999 TY<sub>169</sub>, 6, 2, 28; 1999 TE<sub>170</sub>, 3, 1, 0; 1999 TU<sub>171</sub>, 3, 1, 0; 1999 TZ<sub>173</sub>, 3, 1, 0; 1999 TZ<sub>173</sub>, 3, 1, 0; 1999 TD<sub>175</sub>, 3, 1, 0; 1999 TT<sub>175</sub>, 12, 4, 65; 1999 TY<sub>175</sub>, 3, 1, 0; 1999 TD<sub>177</sub>, 9, 3, 9; 1999 TP<sub>177</sub>, 3, 1, 0; 1999 TR<sub>177</sub>, 3, 1, 0; 1999 TC<sub>181</sub>, 6, 2, 22; 1999 TZ<sub>183</sub>, 6, 2, 885; 1999 TE<sub>184</sub>, 3, 1, 0; 1999 TM<sub>184</sub>, 9, 3, 68; 1999 TO<sub>184</sub>, 6, 2, 3; 1999 TV<sub>184</sub>, 6, 2, 17; 1999 TQ<sub>185</sub>, 3, 1, 0; 1999 TV<sub>185</sub>, 3, 1, 0; 1999 TC<sub>187</sub>,

3, 1, 0; 1999 TE<sub>187</sub>, 6, 2, 25; 1999 TR<sub>187</sub>, 3, 1, 0; 1999 TC<sub>188</sub>, 3, 1, 0; 1999 TG<sub>188</sub>, 6, 2, 3; 1999 TE<sub>190</sub>, 3, 1, 0; 1999 TN<sub>191</sub>, 3, 1, 0; 1999 TL<sub>194</sub>, 3, 1, 0; 1999 TB<sub>195</sub>, 6, 2, 26; 1999 TP<sub>195</sub>, 3, 1, 0; 1999 TS<sub>196</sub>, 3, 1, 0; 1999 TD<sub>197</sub>, 3, 1, 0; 1999 TQ<sub>201</sub>, 3, 1, 0; 1999 TF<sub>204</sub>, 3, 1, 0; 1999 TX<sub>205</sub>, 3, 1, 0; 1999 TJ<sub>208</sub>, 3, 1, 0; 1999 TA<sub>209</sub>, 6, 2, 8; 1999 TE<sub>209</sub>, 3, 1, 0; 1999 TN<sub>209</sub>, 3, 1, 0; 1999 TH<sub>210</sub>, 3, 1, 0; 1999 TV<sub>211</sub>, 3, 1, 0; 1999 TK<sub>213</sub>, 15, 4, 29; 1999 TF<sub>214</sub>, 3, 1, 0; 1999 TP<sub>214</sub>, 3, 1, 0; 1999 TS<sub>215</sub>, 3, 1, 0; 1999 TL<sub>216</sub>, 6, 2, 4; 1999 TV<sub>216</sub>, 9, 3, 26; 1999 TH<sub>217</sub>, 3, 1, 0; 1999 TE<sub>218</sub>, 3, 1, 0; 1999 TT<sub>219</sub>, 3, 1, 0; 1999 TB<sub>220</sub>, 3, 1, 0; 1999 TD<sub>220</sub>, 6, 2, 23; 1999 TS<sub>220</sub>, 6, 2, 10; 1999 TA<sub>221</sub>, 6, 2, 6; 1999 TD<sub>221</sub>, 3, 1, 0; 1999 TL<sub>221</sub>, 3, 1, 0; 1999 TS<sub>221</sub>, 15, 5, 53; 1999 TP<sub>222</sub>, 6, 2, 29; 1999 TW<sub>223</sub>, 9, 3, 58; 1999 TY<sub>223</sub>, 3, 1, 0; 1999 TE<sub>225</sub>, 3, 1, 0; 1999 TN<sub>228</sub>, 3, 1, 0; 1999 TX<sub>228</sub>, 3, 1, 0; 1999 TY<sub>228</sub>, 3, 1, 0; 1999 TS<sub>231</sub>, 3, 1, 0; 1999 TY<sub>232</sub>, 6, 2, 5; 1999 TZ<sub>232</sub>, 6, 2, 15; 1999 TH<sub>233</sub>, 3, 1, 0; 1999 TM<sub>233</sub>, 3, 1, 0; 1999 TY<sub>240</sub>, 6, 2, 8; 1999 TS<sub>241</sub>, 3, 1, 0; 1999 TX<sub>242</sub>, 3, 1, 0; 1999 TY<sub>245</sub>, 3, 1, 0; 1999 TA<sub>246</sub>, 3, 1, 0; 1999 TY<sub>248</sub>, 6, 2, 19; 1999 TD<sub>252</sub>, 6, 2, 8; 1999 TJ<sub>256</sub>, 3, 1, 0; 1999 TK<sub>256</sub>, 3, 1, 0; 1999 TC<sub>260</sub>, 3, 1, 0; 1999 TV<sub>260</sub>, 6, 2, 5; 1999 TR<sub>262</sub>, 3, 1, 0; 1999 TS<sub>262</sub>, 3, 1, 0; 1999 TQ<sub>265</sub>, 3, 1, 0; 1999 TB<sub>266</sub>, 9, 3, 33; 1999 TT<sub>267</sub>, 3, 1, 0; 1999 TW<sub>267</sub>, 3, 1, 0; 1999 TJ<sub>270</sub>, 6, 2, 15; 1999 TW<sub>272</sub>, 3, 1, 0; 1999 TQ<sub>273</sub>, 12, 4, 63; 1999 TG<sub>279</sub>, 3, 1, 0; 1999 TR<sub>280</sub>, 3, 1, 0; 1999 TZ<sub>280</sub>, 3, 1, 0; 1999 TK<sub>282</sub>, 3, 1, 0; 1999 TX<sub>284</sub>, 3, 1, 0; 1999 TC<sub>286</sub>, 3, 1, 0; 1999 TV<sub>286</sub>, 3, 1, 0; 1999 TU<sub>288</sub>, 3, 1, 0; 1999 TX<sub>288</sub>, 3, 1, 0; 1999 TL<sub>290</sub>, 3, 1, 0; 1999 TZ<sub>290</sub>, 3, 1, 0; 1999 TA<sub>300</sub>, 6, 2, 16; 1999 TX<sub>308</sub>, 3, 1, 0; 1999 TZ<sub>309</sub>, 6, 2, 36; 1999 TR<sub>312</sub>, 3, 1, 0; 1999 TT<sub>323</sub>, 3, 1, 0; 1999 UQ<sub>1</sub>, 3, 1, 0; 1999 US<sub>3</sub>, 3, 1, 0; 1999 UE<sub>7</sub>, 3, 1, 0; 1999 UB<sub>8</sub>, 3, 1, 0; 1999 UD<sub>9</sub>, 3, 1, 0; 1999 UV<sub>9</sub>, 3, 1, 0; 1999 UO<sub>11</sub>, 3, 1, 0; 1999 UQ<sub>11</sub>, 3, 1, 0; 1999 UR<sub>12</sub>, 3, 1, 0; 1999 UQ<sub>13</sub>, 3, 1, 0; 1999 UR<sub>15</sub>, 3, 1, 0; 1999 UZ<sub>15</sub>, 3, 1, 0; 1999 UW<sub>17</sub>, 3, 1, 0; 1999 UC<sub>21</sub>, 12, 3, 28; 1999 UF<sub>23</sub>, 3, 1, 0; 1999 UV<sub>23</sub>, 3, 1, 0; 1999 UX<sub>23</sub>, 3, 1, 0; 1999 UE<sub>24</sub>, 3, 1, 0; 1999 UU<sub>24</sub>, 3, 1, 0; 1999 UA<sub>25</sub>, 6, 2, 29; 1999 UL<sub>25</sub>, 3, 1, 0; 1999 UM<sub>26</sub>, 9, 3, 16; 1999 UW<sub>26</sub>, 6, 2, 4; 1999 UG<sub>28</sub>, 3, 1, 0; 1999 UE<sub>29</sub>, 3, 1, 0; 1999 UK<sub>40</sub>, 3, 1, 0; 1999 UG<sub>41</sub>, 3, 1, 0; 1999 UT<sub>43</sub>, 9, 3, 65; 1999 UJ<sub>44</sub>, 3, 1, 0; 1999 UK<sub>44</sub>, 9, 3, 7; 1999 UQ<sub>44</sub>, 3, 1, 0; 1999 UD<sub>45</sub>, 9, 3, 28; 1999 UE<sub>45</sub>, 3, 1, 0; 1999 UK<sub>45</sub>, 3, 1, 0; 1999 UF<sub>45</sub>, 3, 1, 0; 1999 UQ<sub>45</sub>, 3, 1, 0; 1999 UR<sub>45</sub>, 3, 1, 0; 1999 UN<sub>47</sub>, 3, 1, 0; 1999 UM<sub>48</sub>, 6, 2, 26; 1999 US<sub>48</sub>, 6, 2, 4; 1999 UE<sub>51</sub>, 3, 1, 0; 1999 UU<sub>51</sub>, 3, 1, 0; 1999 UT<sub>52</sub>, 3, 1, 0; 1999 UJ<sub>52</sub>, 3, 1, 0; 1999 UA<sub>53</sub>, 3, 1, 0; 1999 UE<sub>53</sub>, 3, 1, 0; 1999 UA<sub>59</sub>, 3, 1, 0; 1999 UZ<sub>60</sub>, 3, 1, 0; 1999 VG<sub>12</sub>, 4, 28; 1999 VS<sub>11</sub>, 6, 2, 11; 1999 VG<sub>6</sub>, 3, 1, 0; 1999 VC<sub>8</sub>, 3, 1, 0; 1999 VM<sub>8</sub>, 6, 2, 16; 1999 VF<sub>10</sub>, 3, 1, 0; 1999 VA<sub>11</sub>, 6, 2, 6; 1999 VH<sub>11</sub>, 3, 1, 0; 1999 VF<sub>16</sub>, 3, 1, 0; 1999 VO<sub>18</sub>, 3, 1, 0; 1999 VW<sub>18</sub>, 3, 1, 0; 1999 VF<sub>20</sub>, 3, 1, 0; 1999 VT<sub>21</sub>, 9, 3, 37; 1999 VW<sub>22</sub>, 12, 4, 60; 1999 VO<sub>27</sub>, 3, 1, 0; 1999 VX<sub>29</sub>, 3, 1, 0; 1999 VN<sub>31</sub>, 3, 1, 0; 1999 VG<sub>33</sub>, 3, 1, 0; 1999 VP<sub>33</sub>, 3, 1, 0; 1999 VR<sub>34</sub>, 3, 1, 0; 1999 VV<sub>35</sub>, 3, 1, 0; 1999 VL<sub>36</sub>, 3, 1, 0; 1999 VT<sub>36</sub>, 6, 2, 8; 1999 VA<sub>37</sub>, 3, 1, 0; 1999 VL<sub>37</sub>, 3, 1, 0; 1999 VM<sub>43</sub>, 3, 1, 0; 1999 VQ<sub>43</sub>, 3, 1, 0; 1999 VR<sub>43</sub>, 3, 1, 0; 1999 VD<sub>44</sub>, 3, 1, 0; 1999 VQ<sub>44</sub>, 9, 2, 36; 1999 VK<sub>44</sub>, 3, 1, 0; 1999 VR<sub>45</sub>, 3, 1, 0; 1999 VS<sub>45</sub>, 3, 1, 0; 1999 VN<sub>47</sub>, 3, 1, 0; 1999 VQ<sub>47</sub>, 3, 1, 0; 1999 VT<sub>47</sub>, 6, 2, 18; 1999 VN<sub>48</sub>, 12, 4, 38; 1999 VF<sub>49</sub>, 3, 1, 0; 1999 VH<sub>50</sub>, 12, 4, 60; 1999 VJ<sub>50</sub>, 15, 5, 33; 1999 VP<sub>50</sub>, 3, 1, 0; 1999 VQ<sub>52</sub>, 3, 1, 0; 1999 VU<sub>52</sub>, 3, 1, 0; 1999 VY<sub>52</sub>, 3, 1, 0; 1999 VE<sub>53</sub>, 3, 1, 0; 1999 VV<sub>55</sub>, 3, 1, 0; 1999 UV<sub>57</sub>, 3, 1, 0; 1999 VF<sub>58</sub>, 6, 2, 6; 1999 VM<sub>59</sub>, 3, 1, 0; 1999 VT<sub>60</sub>, 12, 4, 33; 1999 VV<sub>62</sub>, 6, 2, 6; 1999 VM<sub>63</sub>, 3, 1, 0; 1999 VK<sub>64</sub>, 3, 1, 0; 1999 VL<sub>67</sub>, 6, 2, 6; 1999 VZ<sub>67</sub>, 3, 1, 0; 1999 VQ<sub>68</sub>, 6, 2, 8; 1999 VC<sub>70</sub>, 3, 1, 0; 1999 VX<sub>74</sub>, 3, 1, 0; 1999 VL<sub>79</sub>, 6, 2, 927; 1999 VZ<sub>79</sub>, 3, 1, 0; 1999 VK<sub>80</sub>, 3, 1, 0; 1999 VD<sub>81</sub>, 3, 1, 0; 1999 VH<sub>81</sub>, 3, 1, 0; 1999 VX<sub>81</sub>, 6, 2, 57; 1999 VZ<sub>81</sub>, 3, 1, 0; 1999 VK<sub>82</sub>, 3, 1, 0; 1999 VP<sub>85</sub>, 9, 3, 43;

1, 0; 1999 XD<sub>38</sub>, 3, 1, 0; 1999 XN<sub>40</sub>, 3, 1, 0; 1999 XQ<sub>40</sub>, 3, 1, 0; 1999 XV<sub>41</sub>, 3, 1, 0; 1999 XE<sub>43</sub>, 6, 2, 37; 1999 XU<sub>44</sub>, 3, 1, 0; 1999 XE<sub>45</sub>, 3, 1, 0; 1999 XD<sub>47</sub>, 6, 2, 34; 1999 XL<sub>49</sub>, 3, 1, 0; 1999 XX<sub>50</sub>, 3, 1, 0; 1999 XJ<sub>52</sub>, 3, 1, 0; 1999 XW<sub>52</sub>, 3, 1, 0; 1999 XU<sub>53</sub>, 3, 1, 0; 1999 XW<sub>54</sub>, 3, 1, 0; 1999 XU<sub>60</sub>, 3, 1, 0; 1999 XE<sub>64</sub>, 3, 1, 0; 1999 XG<sub>70</sub>, 3, 1, 0; 1999 XR<sub>73</sub>, 3, 1, 0; 1999 XZ<sub>73</sub>, 3, 1, 0; 1999 XQ<sub>74</sub>, 3, 1, 0; 1999 XR<sub>74</sub>, 3, 1, 0; 1999 XT<sub>77</sub>, 3, 1, 0; 1999 XM<sub>83</sub>, 3, 1, 0; 1999 XC<sub>85</sub>, 3, 1, 0; 1999 XE<sub>86</sub>, 6, 2, 18; 1999 XR<sub>86</sub>, 3, 1, 0; 1999 XW<sub>89</sub>, 3, 1, 0; 1999 XA<sub>91</sub>, 3, 1, 0; 1999 XD<sub>92</sub>, 6, 2, 29; 1999 XY<sub>92</sub>, 6, 2, 30; 1999 XT<sub>93</sub>, 6, 2, 28; 1999 XX<sub>93</sub>, 3, 1, 0; 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1999 XN<sub>121</sub>, 6, 2, 5; 1999 XT<sub>121</sub>, 6, 2, 25; 1999 XD<sub>122</sub>, 9, 3, 7; 1999 XS<sub>122</sub>, 3, 1, 0; 1999 XD<sub>124</sub>, 3, 1, 0; 1999 XL<sub>124</sub>, 9, 3, 65; 1999 XB<sub>125</sub>, 6, 2, 38; 1999 XJ<sub>125</sub>, 6, 2, 20; 1999 XV<sub>127</sub>, 3, 1, 0; 1999 XX<sub>128</sub>, 3, 1, 0; 1999 XL<sub>130</sub>, 3, 1, 0; 1999 XY<sub>133</sub>, 6, 2, 7; 1999 XK<sub>135</sub>, 3, 1, 0; 1999 XB<sub>136</sub>, 3, 1, 0; 1999 XF<sub>137</sub>, 3, 1, 0; 1999 XV<sub>137</sub>, 3, 1, 0; 1999 XV<sub>139</sub>, 3, 1, 0; 1999 XZ<sub>140</sub>, 3, 1, 0; 1999 XS<sub>141</sub>, 3, 1, 0; 1999 XS<sub>151</sub>, 9, 3, 11; 1999 XP<sub>152</sub>, 3, 1, 0; 1999 XL<sub>153</sub>, 3, 1, 0; 1999 XS<sub>153</sub>, 6, 2, 21; 1999 XU<sub>155</sub>, 3, 1, 0; 1999 XX<sub>155</sub>, 3, 1, 0; 1999 XY<sub>155</sub>, 3, 1, 0; 1999 XW<sub>156</sub>, 3, 1, 0; 1999 XJ<sub>162</sub>, 3, 1, 0; 1999 XH<sub>164</sub>, 6, 2, 4; 1999 XQ<sub>165</sub>, 9, 3, 30; 1999 XH<sub>166</sub>, 3, 1, 0; 1999 XX<sub>166</sub>, 3, 1, 0; 1999 XH<sub>167</sub>, 3, 1, 0; 1999 XK<sub>167</sub>, 3, 1, 0; 1999 XV<sub>167</sub>, 9, 3, 26; 1999 XL<sub>169</sub>, 3, 1, 0; 1999 XN<sub>169</sub>, 3, 1, 0; 1999 XO<sub>171</sub>, 3, 1, 0; 1999 XX<sub>175</sub>, 3, 1, 0; 1999 XM<sub>178</sub>, 3, 1, 0; 1999 XR<sub>179</sub>, 3, 1, 0; 1999 XK<sub>180</sub>, 3, 1, 0; 1999 XB<sub>181</sub>, 3, 1, 0; 1999 XC<sub>181</sub>, 3, 1, 0; 1999 XJ<sub>181</sub>, 3, 1, 0; 1999 XT<sub>181</sub>, 3, 1, 0; 1999 XW<sub>182</sub>, 3, 1, 0; 1999 XM<sub>183</sub>, 3, 1, 0; 1999 XT<sub>183</sub>, 6, 2, 21; 1999 XU<sub>183</sub>, 3, 1, 0; 1999 XL<sub>187</sub>, 3, 1, 0; 1999 XR<sub>187</sub>, 3, 1, 0; 1999 XF<sub>188</sub>, 6, 2, 13; 1999 XS<sub>188</sub>, 6, 2, 26; 1999 XF<sub>189</sub>, 3, 1, 0; 1999 XG<sub>189</sub>, 3, 1, 0; 1999 XH<sub>192</sub>, 3, 1, 0; 1999 XD<sub>193</sub>, 6, 2, 13; 1999 XP<sub>193</sub>, 3, 1, 0; 1999 XU<sub>193</sub>, 6, 2, 36; 1999 XC<sub>194</sub>, 3, 1, 0; 1999 XK<sub>195</sub>, 3, 1, 0; 1999 XQ<sub>196</sub>, 6, 2, 3; 1999 XB<sub>204</sub>, 3, 1, 0; 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11; 2000 BQ<sub>25</sub>, 3, 1, 0; 2000 BK<sub>28</sub>, 6, 2, 5; 2000 BY<sub>29</sub>, 3, 1, 0; 2000 BU<sub>33</sub>, 3, 1, 0; 2000 BB<sub>47</sub>, 3, 1, 0; 2000 CP<sub>4</sub>, 3, 1, 0; 2000 CS<sub>4</sub>, 6, 2, 5; 2000 CB<sub>8</sub>, 3, 1, 0; 2000 CU<sub>17</sub>, 3, 1, 0; 2000 CC<sub>18</sub>, 3, 1, 0; 2000 CH<sub>20</sub>, 3, 1, 0; 2000 CN<sub>22</sub>, 3, 1, 0; 2000 CS<sub>30</sub>, 3, 1, 0; 2000 CT<sub>30</sub>, 3, 1, 0; 2000 CN<sub>40</sub>, 3, 1, 0; 2000 CB<sub>54</sub>, 6, 2, 836; 2000 CP<sub>56</sub>, 3, 1, 0; 2000 CY<sub>57</sub>, 6, 2, 21; 2000 CY<sub>59</sub>, 3, 1, 0; 2000 CA<sub>61</sub>, 3, 1, 0; 2000 CQ<sub>64</sub>, 3, 1, 0; 2000 CE<sub>67</sub>, 3, 1, 0; 2000 CS<sub>68</sub>, 3, 1, 0; 2000 CK<sub>76</sub>, 3, 1, 0; 2000 CN<sub>80</sub>, 3, 1, 0; 2000 CQ<sub>81</sub>, 6, 2, 3; 2000 CZ<sub>84</sub>, 3, 1, 0; 2000 CX<sub>86</sub>, 3, 1, 0; 2000 CE<sub>91</sub>, 3, 1, 0; 2000 CF<sub>94</sub>, 3, 1, 0; 2000 CP<sub>96</sub>, 15, 5, 57; 2000 CX<sub>100</sub>, 3, 1, 0; 2000 CM<sub>120</sub>, 3, 1, 0; 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2000 QX<sub>208</sub>, 3, 1, 0; 2000 QL<sub>209</sub>, 3, 1, 0; 2000 QM<sub>215</sub>, 3, 1, 0; 2000 QF<sub>224</sub>, 6, 2, 14; 2000 RX, 6, 2, 12; 2000 RE<sub>2</sub>, 3, 1, 0; 2000 RL<sub>4</sub>, 3, 1, 0; 2000 RD<sub>6</sub>, 9, 3, 14; 2000 RH<sub>6</sub>, 3, 1, 0; 2000 RY<sub>7</sub>, 3, 1, 0; 2000 RA<sub>9</sub>, 3, 1, 0; 2000 RS<sub>10</sub>, 3, 1, 0; 2000 RG<sub>11</sub>, 12, 4, 28; 2000 RL<sub>11</sub>, 3, 1, 0; 2000 RM<sub>11</sub>, 6, 2, 27; 2000 RP<sub>11</sub>, 6, 2, 9; 2000 RQ<sub>11</sub>, 6, 2, 8; 2000 RS<sub>12</sub>, 3, 1, 0; 2000 RO<sub>14</sub>, 3, 1, 0; 2000 RU<sub>14</sub>, 3, 1, 0; 2000 RX<sub>15</sub>, 3, 1, 0; 2000 RQ<sub>19</sub>, 3, 1, 0; 2000 RA<sub>22</sub>, 3, 1, 0; 2000 RN<sub>22</sub>, 6, 2, 12; 2000 RT<sub>23</sub>, 3, 1, 0; 2000 RA<sub>24</sub>, 3, 1, 0; 2000 RQ<sub>27</sub>, 6, 2, 7; 2000 RD<sub>29</sub>, 3, 1, 0; 2000 RU<sub>30</sub>, 3, 1, 0; 2000 RK<sub>31</sub>, 6, 2, 12; 2000 RJ<sub>33</sub>, 3, 1, 0; 2000 RE<sub>33</sub>, 6, 2, 37; 2000 RS<sub>35</sub>, 3, 1, 0; 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3, 1, 0; 2000 UF<sub>32</sub>, 3, 1, 0; 2000 UZ<sub>33</sub>, 6, 2, 15; 2000 UP<sub>34</sub>, 6, 2, 58; 2000 UK<sub>35</sub>, 6, 2, 50; 2000 UN<sub>35</sub>, 3, 1, 0; 2000 UZ<sub>35</sub>, 3, 1, 0; 2000 UG<sub>40</sub>, 12, 4, 7; 2000 UE<sub>41</sub>, 3, 1, 0; 2000 UW<sub>41</sub>, 3, 1, 0; 2000 UC<sub>42</sub>, 6, 2, 56; 2000 UP<sub>43</sub>, 9, 3, 28; 2000 UU<sub>43</sub>, 9, 3, 56; 2000 UJ<sub>45</sub>, 3, 1, 0; 2000 UZ<sub>46</sub>, 3, 1, 0; 2000 UQ<sub>48</sub>, 6, 2, 40; 2000 UZ<sub>48</sub>, 3, 1, 0; 2000 UF<sub>49</sub>, 6, 2, 5; 2000 UH<sub>49</sub>, 3, 1, 0; 2000 UA<sub>52</sub>, 3, 1, 0; 2000 UM<sub>52</sub>, 3, 1, 0; 2000 UE<sub>53</sub>, 6, 2, 18; 2000 UY<sub>54</sub>, 9, 3, 20; 2000 UF<sub>55</sub>, 9, 3, 18; 2000 UL<sub>56</sub>, 6, 2, 18; 2000 UG<sub>59</sub>, 3, 1, 0; 2000 UE<sub>60</sub>, 6, 2, 26; 2000 UM<sub>60</sub>, 9, 3, 28; 2000 UN<sub>60</sub>, 9, 3, 28; 2000 UA<sub>61</sub>, 3, 1, 0; 2000 UM<sub>61</sub>, 3, 1, 0; 2000 UG<sub>61</sub>, 3, 1, 0; 2000 UH<sub>62</sub>, 3, 1, 0; 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2000 WR<sub>59</</sub>

4, 33; 2000 XZ<sub>8</sub>, 3, 1, 0; 2000 XU<sub>9</sub>, 3, 1, 0; 2000 XE<sub>10</sub>, 9, 3, 13; 2000 XU<sub>10</sub>, 3, 1, 0; 2000 XE<sub>12</sub>, 3, 1, 0; 2000 XM<sub>12</sub>, 9, 3, 55; 2000 XO<sub>12</sub>, 3, 1, 0; 2000 XL<sub>14</sub>, 6, 2, 12; 2000 XS<sub>14</sub>, 3, 1, 0; 2000 XJ<sub>15</sub>, 3, 1, 0; 2000 XO<sub>16</sub>, 3, 1, 0; 2000 XR<sub>16</sub>, 3, 1, 0; 2000 XY<sub>16</sub>, 3, 1, 0; 2000 XC<sub>17</sub>, 3, 1, 0; 2000 XD<sub>17</sub>, 6, 2, 26; 2000 XJ<sub>17</sub>, 3, 1, 0; 2000 XT<sub>18</sub>, 3, 1, 0; 2000 XM<sub>19</sub>, 6, 2, 2; 2000 XV<sub>20</sub>, 6, 2, 46; 2000 XA<sub>21</sub>, 9, 3, 24; 2000 XE<sub>22</sub>, 3, 1, 0; 2000 XU<sub>22</sub>, 3, 1, 0; 2000 XW<sub>23</sub>, 3, 1, 0; 2000 XY<sub>23</sub>, 6, 2, 7; 2000 XD<sub>24</sub>, 6, 2, 12; 2000 XX<sub>24</sub>, 6, 2, 7; 2000 XU<sub>25</sub>, 6, 2, 3; 2000 XG<sub>26</sub>, 3, 1, 0; 2000 XP<sub>26</sub>, 3, 1, 0; 2000 XQ<sub>27</sub>, 6, 2, 26; 2000 XA<sub>29</sub>, 3, 1, 0; 2000 XO<sub>29</sub>, 3, 1, 0; 2000 XQ<sub>31</sub>, 12, 3, 36; 2000 XC<sub>32</sub>, 3, 1, 0; 2000 XM<sub>32</sub>, 9, 3, 14; 2000 XE<sub>33</sub>, 6, 2, 61; 2000 XK<sub>33</sub>, 9, 3, 7; 2000 XS<sub>33</sub>, 6, 2, 56; 2000 XX<sub>33</sub>, 3, 1, 0; 2000 XK<sub>34</sub>, 3, 1, 0; 2000 XY<sub>36</sub>, 3, 1, 0; 2000 XL<sub>37</sub>, 3, 1, 0; 2000 XO<sub>39</sub>, 3, 1, 0; 2000 XX<sub>41</sub>, 3, 1, 0; 2000 XS<sub>45</sub>, 3, 1, 0; 2000 XB<sub>49</sub>, 3, 1, 0; 2000 XH<sub>49</sub>, 3, 1, 0; 2000 XD<sub>52</sub>, 9, 3, 36; 2000 XB<sub>54</sub>, 3, 1, 0; 2000 XC<sub>54</sub>, 3, 1, 0; 2000 YG<sub>1</sub>, 3, 1, 0; 2000 YH<sub>5</sub>, 9, 3, 35; 2000 YV<sub>6</sub>, 3, 1, 0; 2000 YK<sub>7</sub>, 9, 3, 55; 2000 YE<sub>8</sub>, 6, 2, 18; 2000 YF<sub>10</sub>, 6, 2, 10; 2000 YR<sub>10</sub>, 6, 2, 28; 2000 YQ<sub>12</sub>, 3, 1, 0; 2000 YP<sub>14</sub>, 3, 1, 0; 2000 YX<sub>16</sub>, 3, 1, 0; 2000 YJ<sub>17</sub>, 3, 1, 0; 2000 YU<sub>17</sub>, 6, 2, 8; 2000 YW<sub>18</sub>, 12, 4, 65; 2000 YM<sub>20</sub>, 3, 1, 0; 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2000 YV<sub>74</sub>, 3, 1, 0; 2000 YO<sub>80</sub>, 3, 1, 0; 2000 YT<sub>81</sub>, 3, 1, 0; 2000 YX<sub>81</sub>, 6, 2, 20; 2000 YQ<sub>84</sub>, 3, 1, 0; 2000 YD<sub>85</sub>, 3, 1, 0; 2000 YN<sub>86</sub>, 3, 1, 0; 2000 YT<sub>87</sub>, 9, 3, 51; 2000 YU<sub>89</sub>, 6, 2, 3; 2000 YM<sub>90</sub>, 3, 1, 0; 2000 YN<sub>90</sub>, 3, 1, 0; 2000 YG<sub>93</sub>, 3, 1, 0; 2000 YV<sub>94</sub>, 3, 1, 0; 2000 YO<sub>96</sub>, 3, 1, 0; 2000 YF<sub>99</sub>, 3, 1, 0; 2000 YU<sub>99</sub>, 6, 2, 6; 2000 YF<sub>101</sub>, 6, 2, 29; 2000 YH<sub>101</sub>, 6, 2, 28; 2000 YX<sub>102</sub>, 3, 1, 0; 2000 YY<sub>102</sub>, 3, 1, 0; 2000 YK<sub>103</sub>, 3, 1, 0; 2000 YH<sub>104</sub>, 3, 1, 0; 2000 YX<sub>104</sub>, 9, 3, 8; 2000 YO<sub>107</sub>, 9, 3, 16; 2000 YB<sub>109</sub>, 3, 1, 0; 2000 YN<sub>109</sub>, 3, 1, 0; 2000 YV<sub>109</sub>, 12, 4, 33; 2000 YU<sub>110</sub>, 12, 4, 17; 2000 YD<sub>111</sub>, 3, 1, 0; 2000 YZ<sub>111</sub>, 3, 1, 0; 2000 YW<sub>113</sub>, 12, 4, 45; 2000 YZ<sub>114</sub>, 3, 1, 0; 2000 YJ<sub>115</sub>, 12, 4, 28; 2000 YK<sub>115</sub>, 3, 1, 0; 2000 YZ<sub>115</sub>, 3, 1, 0; 2000 YD<sub>117</sub>, 3, 1, 0; 2000 YX<sub>118</sub>, 3, 1, 0; 2000 YU<sub>120</sub>, 6, 2, 5; 2000 YL<sub>123</sub>, 3, 1, 0; 2000 YU<sub>125</sub>, 3, 1, 0; 2000 YA<sub>128</sub>, 6, 2, 5; 2000 YD<sub>128</sub>, 3, 1, 0; 2000 YK<sub>128</sub>, 3, 1, 0; 2000 YO<sub>128</sub>, 3, 1, 0; 2000 YE<sub>129</sub>, 3, 1, 0; 2000 YN<sub>132</sub>, 3, 1, 0; 2000 YQ<sub>132</sub>, 3, 1, 0; 2000 YL<sub>135</sub>, 3, 1, 0; 2000 YT<sub>139</sub>, 6, 2, 5; 2000 YE<sub>143</sub>, 6, 2, 13; 2001 AC, 6, 2, 29; 2001 AZ<sub>1</sub>, 6, 2, 3; 2001 AA<sub>2</sub>, 3, 1, 0; 2001 AF<sub>5</sub>, 3, 1, 0; 2001 AO<sub>5</sub>, 6, 2, 33; 2001 AX<sub>5</sub>, 6, 2, 39; 2001 AT<sub>10</sub>, 3, 1, 0; 2001 AN<sub>11</sub>, 3, 1, 0; 2001 AS<sub>11</sub>, 3, 1, 0; 2001 AS<sub>12</sub>, 6, 2, 8; 2001 AU<sub>12</sub>, 3, 1, 0; 2001 AZ<sub>14</sub>, 3, 1, 0; 2001 AY<sub>15</sub>, 3, 1, 0; 2001 AZ<sub>15</sub>, 3, 1, 0; 2001 AC<sub>17</sub>, 6, 2, 50; 2001 AE<sub>17</sub>, 3, 1, 0; 2001 AF<sub>17</sub>, 3, 1, 0; 2001 AH<sub>17</sub>, 9, 3, 41; 2001 AG<sub>18</sub>, 3, 1, 0; 2001 AD<sub>19</sub>, 3, 1, 0; 2001 AB<sub>20</sub>, 3, 1, 0; 2001 AL<sub>21</sub>, 3, 1, 0; 2001 AB<sub>24</sub>, 3, 1, 0; 2001 AF<sub>24</sub>, 3, 1, 0; 2001 AH<sub>26</sub>, 3, 1, 0; 2001 AL<sub>26</sub>, 3, 1, 0; 2001 AT<sub>26</sub>, 3, 1, 0; 2001 AW<sub>28</sub>, 9, 3, 16; 2001 AX<sub>29</sub>, 6, 2, 41; 2001 AP<sub>30</sub>, 12, 4, 36; 2001 AY<sub>30</sub>, 6, 2, 26; 2001 AZ<sub>31</sub>, 3, 1, 0; 2001 AN<sub>36</sub>, 6, 2, 22; 2001 AA<sub>37</sub>, 6, 2, 5; 2001 AE<sub>38</sub>, 3, 1, 0; 2001 AW<sub>38</sub>, 3, 1, 0; 2001 AC<sub>39</sub>, 3, 1, 0; 2001 AO<sub>40</sub>, 3, 1, 0; 2001 AO<sub>41</sub>, 3, 1, 0; 2001 AF<sub>44</sub>, 6, 2, 4; 2001 AW<sub>44</sub>, 6, 2, 13; 2001 AE<sub>45</sub>, 3, 1, 0; 2001 AG<sub>45</sub>, 3, 1, 0; 2001 AR<sub>46</sub>, 3, 1, 0; 2001 AV<sub>51</sub>, 3, 1, 0; 2001 AZ<sub>51</sub>, 3, 1, 0; 2001 AN<sub>53</sub>, 5, 2, 2786; 2001 BO, 6, 2, 14; 2001 BK<sub>4</sub>, 3, 1, 0; 2001 BZ<sub>6</sub>, 3, 1, 0; 2001 BE<sub>9</sub>, 3, 1, 0; 2001 BM<sub>9</sub>, 3, 1, 0; 2001 BU<sub>13</sub>, 3, 1, 0; 2001 BJ<sub>15</sub>, 6, 2, 8; 2001 BL<sub>15</sub>, 3, 1, 0; 2001 BP<sub>16</sub>, 3, 1, 0; 2001 BE<sub>17</sub>, 3, 1, 0; 2001 BT<sub>19</sub>, 6, 2, 5; 2001 BA<sub>20</sub>, 6, 2, 5; 2001 BQ<sub>21</sub>, 3, 1, 0; 2001 BW<sub>21</sub>, 6, 2, 10; 2001 BJ<sub>22</sub>, 3, 1, 0; 2001 BQ<sub>22</sub>, 3, 1, 0; 2001 BG<sub>23</sub>, 3, 1, 0; 2001 BC<sub>24</sub>, 3, 1, 0; 2001 BQ<sub>25</sub>, 3, 1, 0; 2001 BD<sub>28</sub>, 3, 1, 0; 2001 BM<sub>28</sub>, 6, 2, 61; 2001 BN<sub>30</sub>, 3, 1, 0; 2001 BS<sub>30</sub>, 3, 1, 0; 2001 BL<sub>33</sub>, 3, 1, 0; 2001 BN<sub>33</sub>, 3, 1, 0; 2001 BD<sub>34</sub>, 6, 2, 3; 2001 BE<sub>34</sub>, 3, 1, 0; 2001 BW<sub>34</sub>, 3, 1, 0; 2001 BY<sub>39</sub>, 3, 1, 0; 2001 BN<sub>41</sub>, 3, 1, 0; 2001 BU<sub>41</sub>, 12, 4, 44; 2001 BM<sub>43</sub>, 3, 1, 0; 2001 BL<sub>45</sub>, 9, 3, 66; 2001 BP<sub>45</sub>, 3, 1, 0; 2001 BY<sub>46</sub>, 6, 2, 6; 2001 BO<sub>47</sub>, 3, 1, 0; 2001 BB<sub>48</sub>, 6, 2, 28; 2001 BL<sub>50</sub>, 6, 2, 51; 2001 BO<sub>50</sub>, 3, 1, 0; 2001 BU<sub>51</sub>, 3, 1, 0; 2001 BZ<sub>51</sub>, 6, 2, 33; 2001 BJ<sub>52</sub>, 6, 2, 20; 2001 BY<sub>53</sub>, 3, 1, 0; 2001 BA<sub>54</sub>, 3, 1, 0; 2001 BT<sub>55</sub>, 6, 2, 8; 2001 BP<sub>56</sub>, 3, 1, 0; 2001 BC<sub>58</sub>, 9, 3, 58; 2001 BD<sub>58</sub>, 3, 1, 0; 2001 BG<sub>60</sub>, 3, 1, 0; 2001 BB<sub>61</sub>, 3, 1, 0; 2001 BA<sub>62</sub>, 3, 1, 0; 2001 BN<sub>62</sub>, 3, 1, 0; 2001 BR<sub>62</sub>, 3, 1, 0; 2001 BP<sub>65</sub>, 3, 1, 0; 2001 BU<sub>65</sub>, 6, 2, 30; 2001 BM<sub>68</sub>, 3, 1, 0; 2001 BG<sub>69</sub>, 3, 1, 0; 2001 BF<sub>70</sub>, 3, 1, 0; 2001 BA<sub>75</sub>, 3, 1, 0; 2001 BL<sub>76</sub>, 6, 2, 23; 2001 BP<sub>77</sub>, 3, 1, 0; 2001 BF<sub>78</sub>, 3, 1, 0; 2001 BM<sub>78</sub>, 6, 2, 7; 2001 BR<sub>80</sub>, 3, 1, 0; 2001 CS<sub>6</sub>, 6, 2, 25; 2001 CF<sub>1</sub>, 3, 1, 0; 2001 CL<sub>1</sub>, 3, 1, 0; 2001 CE<sub>3</sub>, 6, 2, 8; 2001 CX<sub>3</sub>, 9, 3, 16; 2001 CZ<sub>5</sub>, 3, 1, 0; 2001 CY<sub>6</sub>, 12, 4, 13; 2001 CQ<sub>7</sub>, 3, 1, 0; 2001 CS<sub>7</sub>, 3, 1, 0; 2001 CX<sub>8</sub>, 3, 1, 0; 2001 CE<sub>9</sub>, 3, 1, 0; 2001 CF<sub>10</sub>, 3, 1, 0; 2001 CM<sub>10</sub>, 6, 2, 6; 2001 CF<sub>12</sub>, 6, 2, 2; 2001 CH<sub>12</sub>, 6, 2, 29; 2001 CH<sub>20</sub>, 3, 1, 0; 2001 CP<sub>20</sub>, 3, 1, 0; 2001 CX<sub>21</sub>, 3, 1, 0; 2001 CB<sub>26</sub>, 3, 1, 0; 2001 CQ<sub>26</sub>, 3, 1, 0; 2001 CX<sub>26</sub>, 6, 2, 5; 2001 CV<sub>28</sub>, 6, 2, 5; 2001 CG<sub>31</sub>, 6, 2, 8; 2001 CO<sub>31</sub>, 3, 1, 0; 2001 CJ<sub>38</sub>, 3, 1, 0; 2001 CN<sub>40</sub>, 3, 1, 0; 2001 CY<sub>41</sub>, 3, 1, 0; 2001 CH<sub>42</sub>, 3, 1, 0; 2001 CH<sub>45</sub>, 3, 1, 0; 2001 CJ<sub>48</sub>, 3, 1, 0; 2001 DJ, 3, 1, 0; 2001 DX, 3, 1, 0; 2001 DR<sub>3</sub>, 3, 1, 0; 2001 DF<sub>8</sub>, 3, 1, 0; 2001 DR<sub>9</sub>, 6, 2, 14; 2001 DQ<sub>14</sub>, 3, 1, 0;

2001 DS<sub>18</sub>, 6, 2, 40; 2001 DU<sub>18</sub>, 3, 1, 0; 2001 DY<sub>22</sub>, 3, 1, 0; 2001 DN<sub>23</sub>, 3, 1, 0; 2001 DK<sub>24</sub>, 12, 4, 29; 2001 DD<sub>25</sub>, 6, 2, 4; 2001 DK<sub>25</sub>, 3, 1, 0; 2001 DV<sub>25</sub>, 3, 1, 0; 2001 DT<sub>28</sub>, 3, 1, 0; 2001 DQ<sub>31</sub>, 3, 1, 0; 2001 DT<sub>32</sub>, 3, 1, 0; 2001 DO<sub>33</sub>, 3, 1, 0; 2001 DH<sub>38</sub>, 3, 1, 0; 2001 DM<sub>38</sub>, 6, 2, 16; 2001 DV<sub>38</sub>, 3, 1, 0; 2001 DB<sub>40</sub>, 3, 1, 0; 2001 DR<sub>45</sub>, 3, 1, 0; 2001 DS<sub>52</sub>, 3, 1, 0; 2001 DW<sub>55</sub>, 3, 1, 0; 2001 DV<sub>59</sub>, 3, 1, 0; 2001 DE<sub>60</sub>, 3, 1, 0; 2001 DO<sub>60</sub>, 3, 1, 0; 2001 DM<sub>68</sub>, 3, 1, 0; 2001 DQ<sub>68</sub>, 3, 1, 0; 2001 DV<sub>70</sub>, 3, 1, 0; 2001 DR<sub>71</sub>, 3, 1, 0; 2001 DY<sub>73</sub>, 3, 1, 0; 2001 DZ<sub>73</sub>, 3, 1, 0; 2001 DR<sub>75</sub>, 3, 1, 0; 2001 DT<sub>75</sub>, 3, 1, 0; 2001 DB<sub>78</sub>, 6, 2, 11; 2001 DC<sub>79</sub>, 3, 1, 0; 2001 DF<sub>89</sub>, 3, 1, 0; 2001 DV<sub>97</sub>, 6, 2, 5; 2001 DH<sub>98</sub>, 3, 1, 0; 2001 DE<sub>100</sub>, 3, 1, 0; 2001 DH<sub>100</sub>, 9, 3, 33; 2001 DD<sub>103</sub>, 3, 1, 0; 2001 DW<sub>103</sub>, 3, 1, 0; 2001 DQ<sub>106</sub>, 3, 1, 0; 2001 DV<sub>107</sub>, 9, 3, 59; 2001 EA, 3, 1, 0; 2001 EP, 3, 1, 0; 2001 EG<sub>1</sub>, 3, 1, 0; 2001 EL<sub>3</sub>, 3, 1, 0; 2001 EB<sub>4</sub>, 3, 1, 0; 2001 EV<sub>5</sub>, 2, 1, 0; 2001 ES<sub>6</sub>, 3, 1, 0; 2001 EN<sub>7</sub>, 6, 2, 18; 2001 EZ<sub>12</sub>, 3, 1, 0; 2001 EQ<sub>13</sub>, 3, 1, 0; 2001 EK<sub>14</sub>, 3, 1, 0; 2001 ES<sub>14</sub>, 3, 1, 0; 2001 EX<sub>18</sub>, 3, 1, 0; 2001 EB<sub>19</sub>, 3, 1, 0; 2001 EU<sub>19</sub>, 3, 1, 0; 2001 EE<sub>20</sub>, 3, 1, 0; 2001 EB<sub>21</sub>, 3, 1, 0; 2001 EJ<sub>23</sub>, 3, 1, 0; 2001 EK<sub>23</sub>, 3, 1, 0; 2001 EQ<sub>26</sub>, 9, 3, 13; 2001 FQ, 3, 1, 0; 2001 FR, 3, 1, 0; 2001 FH<sub>3</sub>, 3, 1, 0; 2001 FN<sub>5</sub>, 3, 1, 0; 2001 FG<sub>6</sub>, 6, 2, 18; 2001 FC<sub>7</sub>, 6, 2, 5; 2001 FV<sub>7</sub>, 3, 1, 0; 2001 FZ<sub>11</sub>, 3, 1, 0; 2001 FE<sub>12</sub>, 3, 1, 0; 2001 FX<sub>13</sub>, 3, 1, 0; 2001 FO<sub>15</sub>, 3, 1, 0; 2001 FH<sub>17</sub>, 3, 1, 0; 2001 FT<sub>17</sub>, 3, 1, 0; 2001 FU<sub>23</sub>, 3, 1, 0; 2001 FL<sub>24</sub>, 3, 1, 0; 2001 FU<sub>26</sub>, 3, 1, 0; 2001 FZ<sub>27</sub>, 3, 1, 0; 2001 FZ<sub>29</sub>, 3, 1, 0; 2001 FT<sub>33</sub>, 3, 1, 0; 2001 FG<sub>34</sub>, 3, 1, 0; 2001 FJ<sub>34</sub>, 3, 1, 0; 2001 FM<sub>36</sub>, 3, 1, 0; 2001 FR<sub>37</sub>, 3, 1, 0; 2001 FT<sub>37</sub>, 3, 1, 0; 2001 FC<sub>39</sub>, 3, 1, 0; 2001 FY<sub>41</sub>, 3, 1, 0; 2001 FV<sub>46</sub>, 3, 1, 0; 2001 FB<sub>48</sub>, 6, 2, 5; 2001 FD<sub>49</sub>, 3, 1, 0; 2001 FF<sub>49</sub>, 3, 1, 0; 2001 FT<sub>54</sub>, 3, 1, 0; 2001 FN<sub>59</sub>, 3, 1, 0; 2001 FO<sub>59</sub>, 3, 1, 0; 2001 FS<sub>59</sub>, 6, 2, 16; 2001 FR<sub>65</sub>, 3, 1, 0; 2001 FF<sub>69</sub>, 3, 1, 0; 2001 FT<sub>72</sub>, 3, 1, 0; 2001 FJ<sub>74</sub>, 3, 1, 0; 2001 FN<sub>75</sub>, 6, 2, 8; 2001 FG<sub>81</sub>, 3, 1, 0; 2001 FV<sub>81</sub>, 3, 1, 0; 2001 FH<sub>82</sub>, 3, 1, 0; 2001 FY<sub>86</sub>, 9, 3, 20; 2001 FC<sub>89</sub>, 3, 1, 0; 2001 FY<sub>90</sub>, 6, 2, 29; 2001 FJ<sub>91</sub>, 3, 1, 0; 2001 FZ<sub>92</sub>, 3, 1, 0; 2001 FJ<sub>93</sub>, 3, 1, 0; 2001 FU<sub>93</sub>, 3, 1, 0; 2001 FH<sub>94</sub>, 3, 1, 0; 2001 FY<sub>94</sub>, 6, 2, 8; 2001 FD<sub>95</sub>, 3, 1, 0; 2001 FZ<sub>95</sub>, 3, 1, 0; 2001 FQ<sub>96</sub>, 6, 2, 2; 2001 FY<sub>96</sub>, 3, 1, 0; 2001 FZ<sub>97</sub>, 3, 1, 0; 2001 FR<sub>99</sub>, 6, 2, 9; 2001 FT<sub>103</sub>, 3, 1, 0; 2001 FU<sub>103</sub>, 3, 1, 0; 2001 FU<sub>105</sub>, 3, 1, 0; 2001 FZ<sub>105</sub>, 3, 1, 0; 2001 FQ<sub>108</sub>, 3, 1, 0; 2001 FU<sub>117</sub>, 3, 1, 0; 2001 FV<sub>117</sub>, 3, 1, 0; 2001 FK<sub>118</sub>, 3, 1, 0; 2001 FZ<sub>120</sub>, 3, 1, 0; 2001 FT<sub>122</sub>, 3, 1, 0; 2001 FX<sub>126</sub>, 3, 1, 0; 2001 FH<sub>127</sub>, 6, 2, 9; 2001 FD<sub>129</sub>, 3, 1, 0; 2001 FA<sub>135</sub>, 3, 1, 0; 2001 FP<sub>138</sub>, 3, 1, 0; 2001 FT<sub>144</sub>, 3, 1, 0; 2001 FO<sub>148</sub>, 3, 1, 0; 2001 FC<sub>153</sub>, 3, 1, 0; 2001 FV<sub>157</sub>, 3, 1, 0; 2001 FB<sub>165</sub>, 3, 1, 0; 2001 FB<sub>170</sub>, 3, 1, 0; 2001 FL<sub>170</sub>, 6, 2, 9; 2001 FZ<sub>170</sub>, 3, 1, 0; 2001 FN<sub>175</sub>, 6, 2, 21; 2001 FP<sub>178</sub>, 3, 1, 0; 2001 FC<sub>188</sub>, 3, 1, 0; 2001 FR<sub>188</sub>, 6, 2, 8; 2001 FE<sub>192</sub>, 3, 1, 0; 2001 FW<sub>192</sub>, 6, 2, 896; 2001 GQ, 3, 1, 0; 2001 GS<sub>5</sub>, 3, 1, 0; 2001 GG<sub>8</sub>, 3, 1, 0; 2001 HM, 3, 1, 0; 2001 HR<sub>1</sub>, 3, 1, 0; 2001 HA<sub>2</sub>, 3, 1, 0; 2001 HK<sub>3</sub>, 3, 1, 0; 2001 HD<sub>7</sub>, 3, 1, 0; 2001 HQ<sub>11</sub>, 3, 1, 0; 2001 HK<sub>20</sub>, 3, 1, 0; 2001 HC<sub>29</sub>, 3, 1, 0; 2001 HW<sub>30</sub>, 3, 1, 0; 2001 HT<sub>31</sub>, 9, 3, 30; 2001 HF<sub>35</sub>, 3, 1, 0; 2001 HD<sub>37</sub>, 3, 1, 0; 2001 HL<sub>38</sub>, 3, 1, 0; 2001 HR<sub>39</sub>, 3, 1, 0; 2001 HS<sub>44</sub>, 3, 1, 0; 2001 HQ<sub>45</sub>, 3, 1, 0; 2001 HM<sub>58</sub>, 3, 1, 0; 2001 HC<sub>61</sub>, 3, 1, 0; 2001 HJ<sub>63</sub>, 3, 1, 0; 2001 HY<sub>64</sub>, 2, 1, 0; 2001 JZ, 3, 1, 0; 2001 JT<sub>3</sub>, 6, 2, 5; 2001 JO<sub>7</sub>, 3, 1, 0; 2001 JG<sub>8</sub>, 3, 1, 0; 2001 KB<sub>4</sub>, 6, 2, 6; 2001 KG<sub>9</sub>, 3, 1, 0; 2001 KG<sub>10</sub>, 3, 1, 0; 2001 KW<sub>14</sub>, 3, 1, 0; 2001 KD<sub>30</sub>, 3, 1, 0; 2001 KC<sub>34</sub>, 3, 1, 0; 2001 KQ<sub>35</sub>, 3, 1, 0; 2001 KV<sub>37</sub>, 3, 1, 0; 2001 KB<sub>40</sub>, 3, 1, 0; 2001 KL<sub>43</sub>, 3, 1, 0; 2001 KB<sub>47</sub>, 3, 1, 0; 2001 KG<sub>51</sub>, 3, 1, 0; 2001 KB<sub>63</sub>, 3, 1, 0; 2001 KA<sub>64</sub>, 6, 2, 21; 2001 KZ<sub>66</sub>, 3, 1, 0; 2001 KO<sub>71</sub>, 3, 1, 0; 2001 KL<sub>75</sub>, 3, 1, 0; 2001 KB<sub>78</sub>, 3, 1, 0; 2001 LF, 3, 1, 0; 2001 MG, 3, 1, 0; 2001 MS<sub>10</sub>, 3, 1, 0; 2001 ME<sub>15</sub>, 3, 1, 0; 2001 MV<sub>16</sub>, 3, 1, 0; 2001 OL<sub>3</sub>, 3, 1, 0;

0; 2001 TW<sub>77</sub>, 3, 1, 0; 2001 TE<sub>83</sub>, 3, 1, 0; 2001 TX<sub>88</sub>, 3, 1, 0; 2001 TF<sub>106</sub>, 3, 1, 0; 2001 TA<sub>110</sub>, 3, 1, 0; 2001 TH<sub>117</sub>, 3, 1, 0; 2001 TS<sub>120</sub>, 6, 2, 20; 2001 TZ<sub>132</sub>, 6, 2, 20; 2001 TL<sub>133</sub>, 6, 2, 15; 2001 TL<sub>135</sub>, 3, 1, 0; 2001 TF<sub>147</sub>, 3, 1, 0; 2001 TB<sub>171</sub>, 3, 1, 0; 2001 TS<sub>180</sub>, 3, 1, 0; 2001 TQ<sub>185</sub>, 6, 2, 15; 2001 TT<sub>189</sub>, 3, 1, 0; 2001 TT<sub>190</sub>, 3, 1, 0; 2001 TV<sub>190</sub>, 3, 1, 0; 2001 TZ<sub>194</sub>, 3, 1, 0; 2001 TB<sub>199</sub>, 3, 1, 0; 2001 TX<sub>205</sub>, 6, 2, 44; 2001 TK<sub>209</sub>, 3, 1, 0; 2001 TZ<sub>215</sub>, 3, 1, 0; 2001 TJ<sub>218</sub>, 3, 1, 0; 2001 TK<sub>219</sub>, 6, 2, 17; 2001 TG<sub>220</sub>, 3, 1, 0; 2001 TX<sub>220</sub>, 3, 1, 0; 2001 TH<sub>239</sub>, 3, 1, 0; 2001 UU<sub>6</sub>, 3, 1, 0; 2001 UP<sub>7</sub>, 3, 1, 0; 2001 UY<sub>12</sub>, 3, 1, 0; 2001 UN<sub>13</sub>, 3, 1, 0; 2001 UY<sub>15</sub>, 3, 1, 0; 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2001 XK<sub>256</sub>, 6, 2, 472; 2001 XV<sub>259</sub>, 9, 3, 478; 2001 XE<sub>263</sub>, 3, 1, 0; 2001 YE<sub>3</sub>, 6, 2, 11; 2001 YO<sub>7</sub>, 3, 1, 0; 2001 YQ<sub>19</sub>, 3, 1, 0; 2001 YX<sub>21</sub>, 3, 1, 0; 2001 YF<sub>26</sub>, 6, 2, 28; 2001 YS<sub>53</sub>, 3, 1, 0; 2001 YX<sub>58</sub>, 3, 1, 0; 2001 YE<sub>79</sub>, 3, 1, 0; 2001 YB<sub>83</sub>, 3, 1, 0; 2001 YW<sub>100</sub>, 3, 1, 0; 2001 YC<sub>104</sub>, 3, 1, 0; 2001 YS<sub>108</sub>, 3, 1, 0; 2001 YW<sub>110</sub>, 3, 1, 0; 2001 YS<sub>118</sub>, 3, 1, 0; 2001 YM<sub>123</sub>, 3, 1, 0; 2001 YG<sub>131</sub>, 3, 1, 0; 2001 YQ<sub>136</sub>, 6, 2, 14; 2001 YD<sub>138</sub>, 6, 2, 12; 2001 YA<sub>150</sub>, 3, 1, 0; 2001 YG<sub>150</sub>, 3, 1, 0; 2001 YS<sub>152</sub>, 3, 1, 0; 2001 YR<sub>153</sub>, 3, 1, 0; 2002 AZ<sub>3</sub>, 3, 1, 0; 2002 AD<sub>3</sub>, 3, 1, 0; 2002 AN<sub>4</sub>, 3, 1, 0; 2002 AY<sub>6</sub>, 12, 4, 41; 2002 AL<sub>7</sub>, 3, 1, 0; 2002 AC<sub>8</sub>, 3, 1, 0; 2002 AE<sub>10</sub>, 3, 1, 0; 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0; 2002 GV<sub>71</sub>, 3, 1, 0; 2002 GW<sub>71</sub>, 9, 3, 22; 2002 GA<sub>75</sub>, 6, 2, 6; 2002 GW<sub>76</sub>, 3, 1, 0; 2002 GH<sub>80</sub>, 3, 1, 0; 2002 GZ<sub>80</sub>, 9, 3, 26; 2002 GB<sub>81</sub>, 3, 1, 0; 2002 GH<sub>81</sub>, 6, 2, 8; 2002 GF<sub>82</sub>, 3, 1, 0; 2002 GB<sub>84</sub>, 9, 3, 29; 2002 GE<sub>84</sub>, 3, 1, 0; 2002 GR<sub>85</sub>, 9, 3, 13; 2002 GA<sub>86</sub>, 3, 1, 0; 2002 GE<sub>88</sub>, 3, 1, 0; 2002 GF<sub>88</sub>, 6, 2, 8; 2002 GU<sub>88</sub>, 3, 1, 0; 2002 GG<sub>89</sub>, 6, 2, 10; 2002 GW<sub>93</sub>, 3, 1, 0; 2002 GX<sub>93</sub>, 3, 1, 0; 2002 GP<sub>94</sub>, 3, 1, 0; 2002 GE<sub>96</sub>, 3, 1, 0; 2002 GW<sub>97</sub>, 3, 1, 0; 2002 GL<sub>98</sub>, 12, 4, 99; 2002 GC<sub>100</sub>, 3, 1, 0; 2002 GO<sub>102</sub>, 3, 1, 0; 2002 GQ<sub>102</sub>, 3, 1, 0; 2002 GU<sub>102</sub>, 12, 4, 55; 2002 GT<sub>104</sub>, 6, 2, 948; 2002 GV<sub>104</sub>, 3, 1, 0; 2002 GC<sub>105</sub>, 6, 2, 24; 2002 GM<sub>105</sub>, 3, 1, 0; 2002 GD<sub>106</sub>, 3, 1, 0; 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3, 1, 0; 2002 QE<sub>2</sub>, 3, 1, 0; 2002 QV<sub>4</sub>, 3, 1, 0; 2002 QY<sub>4</sub>, 3, 1, 0; 2002 QY<sub>7</sub>, 3, 1, 0; 2002 QZ<sub>7</sub>, 3, 1, 0; 2002 QE<sub>8</sub>, 3, 1, 0; 2002 QG<sub>9</sub>, 3, 1, 0; 2002 QF<sub>10</sub>, 3, 1, 0; 2002 QD<sub>11</sub>, 3, 1, 0; 2002 QL<sub>14</sub>, 3, 1, 0; 2002 QN<sub>14</sub>, 3, 1, 0; 2002 QU<sub>14</sub>, 3, 1, 0; 2002 QM<sub>16</sub>, 6, 2, 7; 2002 QW<sub>16</sub>, 3, 1, 0; 2002 QA<sub>17</sub>, 3, 1, 0; 2002 QH<sub>17</sub>, 3, 1, 0; 2002 QY<sub>17</sub>, 3, 1, 0; 2002 QS<sub>19</sub>, 3, 1, 0; 2002 QQ<sub>20</sub>, 3, 1, 0; 2002 QU<sub>20</sub>, 3, 1, 0; 2002 QG<sub>25</sub>, 3, 1, 0; 2002 QH<sub>25</sub>, 3, 1, 0; 2002 QL<sub>25</sub>, 3, 1, 0; 2002 QM<sub>25</sub>, 3, 1, 0; 2002 QO<sub>26</sub>, 3, 2, 6; 2002 QW<sub>27</sub>, 3, 1, 0; 2002 QY<sub>27</sub>, 3, 1, 0; 2002 QH<sub>28</sub>, 3, 1, 0; 2002 QM<sub>31</sub>, 3, 1, 0; 2002 QZ<sub>31</sub>, 3, 1, 0; 2002 QA<sub>34</sub>, 3, 1, 0; 2002 QL<sub>34</sub>, 3, 1, 0; 2002 QM<sub>38</sub>, 3, 1, 0; 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0; 2002 SH<sub>29</sub>, 3, 1, 0; 2002 SJ<sub>29</sub>, 3, 1, 0; 2002 ST<sub>29</sub>, 3, 1, 0; 2002 SE<sub>30</sub>, 3, 1, 0; 2002 SK<sub>30</sub>, 3, 1, 0; 2002 SR<sub>30</sub>, 6, 2, 17; 2002 ST<sub>30</sub>, 3, 1, 0; 2002 SV<sub>30</sub>, 3, 1, 0; 2002 SD<sub>31</sub>, 3, 1, 0; 2002 SF<sub>31</sub>, 3, 1, 0; 2002 SR<sub>31</sub>, 3, 1, 0; 2002 SB<sub>32</sub>, 3, 1, 0; 2002 SF<sub>33</sub>, 3, 1, 0; 2002 SG<sub>33</sub>, 3, 1, 0; 2002 SH<sub>33</sub>, 3, 1, 0; 2002 SM<sub>33</sub>, 3, 1, 0; 2002 SO<sub>33</sub>, 3, 1, 0; 2002 SC<sub>34</sub>, 3, 1, 0; 2002 SF<sub>34</sub>, 3, 1, 0; 2002 SG<sub>34</sub>, 3, 1, 0; 2002 SM<sub>34</sub>, 3, 1, 0; 2002 SN<sub>34</sub>, 6, 2, 28; 2002 SQ<sub>34</sub>, 3, 1, 0; 2002 SU<sub>34</sub>, 3, 1, 0; 2002 SZ<sub>34</sub>, 3, 1, 0; 2002 SA<sub>35</sub>, 3, 1, 0; 2002 SD<sub>35</sub>, 3, 1, 0; 2002 SN<sub>36</sub>, 3, 1, 0; 2002 SQ<sub>36</sub>, 3, 1, 0; 2002 SN<sub>37</sub>, 3, 1, 0; 2002 SQ<sub>37</sub>, 3, 1, 0; 2002 SS<sub>37</sub>, 3, 1, 0; 2002 SV<sub>37</sub>, 3, 1, 0; 2002 SF<sub>38</sub>, 3, 1, 0; 2002 SQ<sub>38</sub>, 3, 1, 0; 2002 SS<sub>38</sub>, 3, 1, 0; 2002 SW<sub>38</sub>, 3, 1, 0; 2002 SG<sub>39</sub>, 3, 1, 0; 2002 SH<sub>39</sub>, 3, 1, 0; 2002 SM<sub>39</sub>, 3, 1, 0; 2002 SU<sub>39</sub>, 3, 1, 0; 2002 SC<sub>40</sub>, 3, 1, 0; 2002 SE<sub>40</sub>, 3, 1, 0; 2002 SG<sub>40</sub>, 3, 1, 0; 2002 SR<sub>40</sub>, 3, 1, 0; 2002 SY<sub>40</sub>, 3, 1, 0; 2002 SV<sub>41</sub>, 3, 1, 0; 2002 SW<sub>41</sub>, 3, 1, 0; 2002 SG<sub>42</sub>, 3, 1, 0; 2002 SF<sub>43</sub>, 3, 1, 0; 2002 SJ<sub>43</sub>, 3, 1, 0; 2002 SL<sub>43</sub>, 3, 1, 0; 2002 SP<sub>43</sub>, 3, 1, 0; 2002 SU<sub>43</sub>, 6, 2, 5; 2002 SN<sub>44</sub>, 3, 1, 0; 2002 SO<sub>44</sub>, 3, 1, 0; 2002 SP<sub>44</sub>, 3, 1, 0; 2002 SS<sub>44</sub>, 3, 1, 0; 2002 SF<sub>45</sub>, 3, 1, 0; 2002 SY<sub>45</sub>, 3, 1, 0; 2002 SM<sub>47</sub>, 3, 1, 0; 2002 SU<sub>47</sub>, 3, 1, 0; 2002 SA<sub>48</sub>, 3, 1, 0; 2002 SG<sub>48</sub>, 3, 1, 0; 2002 SH<sub>48</sub>, 3, 1, 0; 2002 SW<sub>48</sub>, 3, 1, 0; 2002 SG<sub>49</sub>, 6, 2, 7; 2002 SR<sub>49</sub>, 3, 1, 0; 2002 SX<sub>49</sub>, 3, 1, 0; 2002 SY<sub>49</sub>, 3, 1, 0; 2002 SZ<sub>49</sub>, 3, 1, 0; 2002 SG<sub>50</sub>, 3, 1, 0; 2002 SR<sub>51</sub>, 3, 1, 0; 2002 ST<sub>51</sub>, 3, 1, 0; 2002 SV<sub>51</sub>, 3, 1, 0; 2002 SW<sub>51</sub>, 3, 1, 0; 2002 SZ<sub>51</sub>, 3, 1, 0; 2002 SH<sub>52</sub>, 6, 2, 16; 2002 ST<sub>52</sub>, 6, 2, 12; 2002 SD<sub>54</sub>, 6, 2, 7; 2002 SJ<sub>54</sub>, 3, 1, 0; 2002 SA<sub>55</sub>, 3, 1, 0; 2002 SN<sub>55</sub>, 6, 2, 13; 2002 SF<sub>55</sub>, 3, 1, 0; 2002 SQ<sub>55</sub>, 3, 1, 0; 2002 SU<sub>55</sub>, 3, 1, 0; 2002 SC<sub>56</sub>, 3, 1, 0; 2002 SD<sub>56</sub>, 6, 2, 3; 2002 SG<sub>56</sub>, 3, 1, 0; 2002 SM<sub>56</sub>, 9, 3, 23; 2002 SP<sub>56</sub>, 3, 1, 0; 2002 SQ<sub>56</sub>, 3, 1, 0; 2002 ST<sub>56</sub>, 3, 1, 0; 2002 SW<sub>56</sub>, 3, 1, 0; 2002 SX<sub>57</sub>, 3, 1, 0; 2002 SJ<sub>57</sub>, 6, 2, 8; 2002 SK<sub>57</sub>, 3, 1, 0; 2002 SL<sub>57</sub>, 6, 2, 5; 2002 SM<sub>57</sub>, 3, 1, 0; 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2002 VU<sub>81</sub>, 6, 2, 16; 2002 VM<sub>83</sub>, 3, 1, 0; 2002 VO<sub>83</sub>, 3, 1, 0; 2002 VP<sub>84</sub>, 3, 1, 0; 2002 VB<sub>85</sub>, 3, 1, 0; 2002 VT<sub>89</sub>, 3, 1, 0; 2002 VD<sub>90</sub>, 3, 1, 0; 2002 VO<sub>92</sub>, 3, 1, 0; 2002 VW<sub>92</sub>, 3, 1, 0; 2002 VB<sub>93</sub>, 3, 1, 0; 2002 VP<sub>96</sub>, 3, 1, 0; 2002 VZ<sub>97</sub>, 3, 1, 0; 2002 VJ<sub>100</sub>, 3, 1, 0; 2002 VY<sub>101</sub>, 3, 1, 0; 2002 VS<sub>102</sub>, 6, 2, 34; 2002 VE<sub>103</sub>, 3, 1, 0; 2002 VQ<sub>104</sub>, 3, 1, 0; 2002 VY<sub>113</sub>, 3, 1, 0; 2002 VE<sub>114</sub>, 3, 1, 0; 2002 VJ<sub>116</sub>, 3, 1, 0; 2002 VP<sub>116</sub>, 6, 2, 50; 2002 VB<sub>124</sub>, 3, 1, 0; 2002 VB<sub>126</sub>, 6, 2, 21; 2002 VB<sub>127</sub>, 2, 1, 0; 2002 VH<sub>127</sub>, 3, 1, 0; 2002 VM<sub>127</sub>, 3, 1, 0; 2002 VT<sub>129</sub>, 3, 1, 0; 2002 VP<sub>134</sub>, 3, 1, 0; 2002 VR<sub>134</sub>, 3, 1, 0; 2002 VX<sub>135</sub>, 3, 1, 0; 2002 WA<sub>3</sub>, 3, 1, 0; 2002 WB<sub>3</sub>, 3, 1, 0; 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2003 QG<sub>3</sub>, 3, 1, 0; 2003 QP<sub>3</sub>, 12, 4, 17; 2003 QQ<sub>3</sub>, 6, 2, 3; 2003 QR<sub>3</sub>, 9, 3, 11; 2003 QS<sub>3</sub>, 9, 3, 11; 2003 QT<sub>3</sub>, 6, 2, 3; 2003 QU<sub>3</sub>, 6, 2, 3; 2003 QV<sub>3</sub>, 6, 2, 3; 2003 QW<sub>3</sub>, 6, 2, 3; 2003 QX<sub>3</sub>, 6, 2, 3; 2003 QY<sub>3</sub>, 6, 2, 3; 2003 QZ<sub>3</sub>, 6, 2, 10; 2003 QA<sub>4</sub>, 3, 1, 0; 2003 QB<sub>4</sub>, 9, 3, 27; 2003 QC<sub>4</sub>, 3, 1, 0; 2003 QF<sub>4</sub>, 3, 1, 0; 2003 QG<sub>4</sub>, 3, 1, 0; 2003 QH<sub>4</sub>, 3, 1, 0; 2003 QL<sub>4</sub>, 3, 1, 0; 2003 QM<sub>4</sub>, 3, 1, 0; 2003 QN<sub>4</sub>, 3, 1, 0; 2003 QQ<sub>4</sub>, 3, 1, 0; 2003 QU<sub>4</sub>, 3, 1, 0; 2003 QV<sub>4</sub>, 6, 2, 4; 2003 QK<sub>5</sub>, 3, 1, 0; 2003 QP<sub>5</sub>, 6, 2, 21; 2003 QQ<sub>5</sub>, 3, 1, 0; 2003 QR<sub>5</sub>, 6, 2, 16; 2003 QV<sub>5</sub>, 3, 1, 0; 2003 QW<sub>5</sub>, 9, 3, 68; 2003 QA<sub>6</sub>, 3, 1, 0; 2003 QB<sub>6</sub>, 6, 2, 10; 2003 QC<sub>6</sub>, 3, 1, 0; 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Observer O. Thizy

0.62-m  $f/3$  reflector + focal reducer + CCD

USNO-SA2.0

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K. Korlević

0.30-m  $f/9$  Schmidt-Cassegrain + CCD

USNO-B1.0

1998 FH<sub>12</sub>, 19, 4, 6; 1998 FH<sub>39</sub>, 2, 1, 0; 1999 RA<sub>1</sub>, 1, 1, 0; 2000 DH<sub>15</sub>, 4, 1, 0; 2000 XS<sub>10</sub>, 2, 1, 0; 2001 DA<sub>41</sub>, 3, 1, 0; 2002 CN<sub>53</sub>, 3, 1, 0; 2002 DD<sub>4</sub>, 3, 1, 0; 2002 YB<sub>12</sub>, 7, 2, 2; 2003 KM<sub>18</sub>, 3, 1, 0; 2003 LN<sub>6</sub>, 5, 2, 1; 2003 LO<sub>6</sub>, 2, 1, 0; 2003 LP<sub>6</sub>, 3, 1, 0; 2003 MA, 3, 1, 0; 2003 ME, 2, 1, 0; 2003 MM, 3, 1, 0; 2003 MN, 6, 1, 0; 2003 MO, 3, 1, 0; 2003 MS, 3, 1, 0; 2003 MT, 2, 1, 0; 2003 MU, 1, 1, 0; 2003 MU<sub>7</sub>, 3, 1, 0; 2003 MW<sub>7</sub>, 2, 1, 0; 2003 MJ<sub>9</sub>, 2, 1, 0; 2003 MS<sub>9</sub>, 7, 2, 2; 2003 MT<sub>9</sub>, 5, 2, 2; 2003 NA, 2, 1, 0; 2003 NB, 2, 1, 0; 2003 NC, 2, 1, 0; 2003 ND, 3, 1, 0; 2003 NE, 3, 1, 0; 2003 NW, 9, 1, 0; 2003 NL<sub>1</sub>, 10, 2, 1; 2003 NW<sub>1</sub>, 2, 1, 0; 2003 NO<sub>4</sub>, 2, 1, 0; 2003 NP<sub>4</sub>, 3, 1, 0; 2003 NS<sub>4</sub>, 3, 1, 0; 2003 NE<sub>5</sub>, 2, 1, 0; 2003 NA<sub>7</sub>, 3, 1, 0; 2003 NJ<sub>7</sub>, 4, 2, 3; 2003 NK<sub>7</sub>, 2, 1, 0; 2003 NL<sub>7</sub>, 4, 2, 2; 2003 NM<sub>7</sub>, 4, 2, 2; 2003 OY<sub>5</sub> \*, 5, 2, 1; 2003 OY<sub>5</sub> \*, 5, 2, 1; 2003 OA<sub>6</sub> \*, 5, 2, 1; 2003 OB<sub>6</sub> \*, 5, 2, 1; 2003 OC<sub>6</sub> \*, 5, 2, 1; 2003 OR<sub>13</sub>, 3, 1, 0; 2003 OS<sub>13</sub>, 4, 1, 0; 2003 OT<sub>13</sub>, 2, 1, 0; 2003 OU<sub>13</sub>, 3, 1, 0; 2003 PR<sub>4</sub>, 3, 1, 0; 2003 PM<sub>5</sub>, 3, 1, 0; 2003 PN<sub>5</sub>, 3, 1, 0; 2003 PY<sub>10</sub>, 3, 1, 0; 2003 PB<sub>11</sub>, 3, 1, 0; 2003 PC<sub>11</sub>, 6, 3, 9; 2003 QA \*, 44, 5, 13; 2003 QC, 3, 1, 0; 2003 QN<sub>47</sub>, 3, 1, 0; 2003 QE<sub>57</sub>, 2, 1, 0; 2003 QF<sub>70</sub>, 2, 1, 0; 2003 QA<sub>90</sub>, 2, 1, 0; 2003 QB<sub>90</sub>, 2, 1, 0; 2003 RS<sub>1</sub>, 3, 1, 0; 2003 RC<sub>2</sub>, 2, 1, 0; 2003 RE<sub>2</sub>, 2, 1, 0; (1595), 4, 1, 0; (2060), 4, 1, 0; (2100), 23, 1, 0; (3122), 8, 2, 1; (4267), 3, 1, 0; (7369), 3, 1, 0; (11911), 3, 1, 0; (12123), 3, 1, 0; (12489), 2, 1, 0; (21583), 4, 1, 0; (37655), 3, 1, 0; (41303), 2, 1, 0; (41362), 4, 1, 0; (42054), 2, 1, 0; (55636), 1, 1, 0; (65407), 3, 1, 0; [354, 84, 6\*, 2000/03/11–2003/09/04]

## 621 Bergisch Gladbach

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0001@t-online.de]

0.60-m  $f/5.2$  reflector + CCD

USNO-A2.0, UCAC-2

1995 SZ<sub>88</sub>, 3, 1, 0; 1998 RS<sub>48</sub>, 3, 1, 0; 1999 FZ, 4, 1, 0; 1999 TJ<sub>36</sub>, 4, 1, 0; 1999 TW<sub>111</sub>, 3, 1, 0; 1999 TX<sub>120</sub>, 6, 2, 2; 1999 TF<sub>134</sub>, 3, 1, 0; 1999 TW<sub>202</sub>, 4, 1, 0; 1999 VV<sub>166</sub>, 6, 2, 4; 1999 VD<sub>198</sub>, 10, 2, 1; 1999 XC<sub>6</sub>, 3, 1, 0; 1999 XE<sub>105</sub>, 10, 2, 1; 1999 XB<sub>109</sub>, 3, 1, 0; 1999 XM<sub>260</sub>, 3, 1, 0; 2000 AZ<sub>96</sub>, 6, 2, 1; 2000 AF<sub>101</sub>, 3, 1, 0; 2000 AV<sub>103</sub>, 3, 1, 0; 2000 DG, 6, 2, 3; 2000 OW<sub>21</sub>, 13, 3, 5; 2000 QG<sub>36</sub>, 4, 1, 0; 2000 WY<sub>70</sub>, 3, 1, 0; 2000 XX<sub>23</sub>, 12, 4, 8; 2000 XD<sub>52</sub>, 3, 1, 0; 2000 YF<sub>16</sub>, 4, 1, 0; 2000 YL<sub>106</sub>, 3, 1, 0; 2001 AS<sub>12</sub>, 11, 3, 12; 2001 AN<sub>44</sub>, 6, 2, 1; 2001 FP<sub>40</sub>, 9, 3, 4; 2001 PM<sub>9</sub>, 5, 1, 0; 2001 UH<sub>133</sub>, 3, 1, 0; 2002 CR<sub>225</sub>, 3, 1, 0; 2002 ED<sub>14</sub>, 3, 1, 0; 2002 ED<sub>69</sub>, 3, 1, 0; 2002 FF<sub>6</sub>, 7, 2, 3; 2002 GC<sub>10</sub>, 14, 5, 8; 2002 GB<sub>85</sub>, 9, 2, 1; 2002 JM<sub>88</sub>, 3, 1, 0; 2002 JM<sub>67</sub>, 6, 2, 1; 2002 JV<sub>80</sub>, 19, 4, 16; 2002 MS<sub>4</sub>, 5, 2, 1; 2002 OA<sub>22</sub>, 11, 2, 4; 2002 PN<sub>34</sub>, 6, 2, 1; 2002 RW<sub>240</sub>, 3, 1, 0; 2002 SW<sub>51</sub>, 3, 1, 0; 2003 FO<sub>113</sub>, 3, 1, 0; 2003 MW \*, 9, 2, 1; 2003 MX \*, 13, 3, 9; 2003 ML<sub>2</sub>,

7, 3, 3; 2003 MT<sub>9</sub>, 4, 2, 2; 2003 MK<sub>10</sub> \*, 22, 7, 38; 2003 NV<sub>7</sub> \*, 16, 6, 22; 2003 OE<sub>1</sub>, 3, 1, 0; 2003 OK<sub>18</sub>, 7, 3, 5; 2003 OH<sub>23</sub> \*, 7, 2, 3; 2003 OJ<sub>23</sub> \*, 9, 3, 8; 2003 ON<sub>23</sub>, 3, 1, 0; 2003 OR<sub>23</sub>, 3, 1, 0; 2003 PU<sub>3</sub>, 6, 2, 1; 2003 PE<sub>11</sub> \*, 3, 1, 0; 2003 PF<sub>11</sub> \*, 3, 1, 0; 2003 PG<sub>11</sub> \*, 6, 2, 1; 2003 PH<sub>11</sub> \*, 6, 2, 1; 2003 PB<sub>12</sub> \*, 16, 4, 22; 2003 PC<sub>12</sub> \*, 6, 2, 1; 2003 PF<sub>12</sub>, 3, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QS<sub>10</sub>, 6, 2, 1; 2003 QU<sub>10</sub>, 3, 1, 0; 2003 QU<sub>23</sub>, 8, 2, 3; 2003 QV<sub>23</sub>, 8, 2, 3; 2003 QU<sub>27</sub>, 9, 2, 1; 2003 QR<sub>55</sub>, 6, 2, 1; 2003 QG<sub>70</sub> \*, 6, 2, 3; 2003 QH<sub>70</sub> \*, 6, 2, 2; 2003 QJ<sub>70</sub> \*, 5, 2, 1; 2003 QK<sub>70</sub> \*, 6, 2, 2; 2003 QL<sub>70</sub> \*, 9, 2, 1; (533), 5, 1, 0; (1079), 9, 3, 4; (4302), 6, 1, 0; (4391), 3, 1, 0; (5835), 3, 1, 0; (6394), 8, 2, 1; (6491), 10, 2, 1; (6937), 3, 1, 0; (7424), 6, 2, 1; (9077), 6, 2, 3; (9192), 6, 2, 1; (11834), 8, 3, 3; (11967), 3, 1, 0; (13748), 9, 3, 5; (13897), 3, 1, 0; (17411), 3, 1, 0; (19006), 5, 2, 3; (19297), 9, 3, 5; (20850), 3, 1, 0; (21004), 10, 2, 1; (21557), 7, 2, 9; (24762), 4, 1, 0; (32800), 4, 1, 0; (35803), 3, 1, 0; (38457), 5, 1, 0; (38869), 3, 1, 0; (40583), 7, 1, 0; (42009), 5, 2, 1; (43252), 3, 1, 0; (43364), 6, 2, 2; (47932), 3, 1, 0; (58496), 4, 1, 0; (60047), 2, 1, 0; (62546), 6, 2, 4; [664, 111, 17\*, 1997/09/28–2003/08/26]

### 627 Blauvac

R. Roy, Le Badassier St Esteve, F-84570 Blauvac, France [Rene.Roy@wanadoo.fr]

0.26-m  $f/4.7$  reflector + CCD

USNO-SA1.0

(45618), 1, 1, 0; [1, 1, 0\*, 1999/01/15]

### 628 Mülheim-Ruhr

A. Martin, Turtle Star Observatory, Friedhostr. 15, D-45478 Mülheim-Ruhr, Germany [axelm@bph.ruhr-uni-bochum.de]

Observers A. Boeker, A. Martin, K. Kleemann-Boeker, M. Tator

0.25-m  $f/6.1$  Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2

1999 JN<sub>3</sub>, 4, 1, 0; 1999 JZ<sub>61</sub>, 4, 1, 0; 1999 NL<sub>46</sub>, 4, 1, 0; 1999 XW<sub>95</sub>, 2, 1, 0; 2000 PB<sub>13</sub>, 3, 1, 0; 2000 WL<sub>15</sub>, 3, 1, 0; 2002 JW<sub>42</sub>, 4, 1, 0; (1103), 4, 1, 0; (1498), 4, 1, 0; (2083), 4, 1, 0; (4125), 4, 1, 0; (4469), 4, 1, 0; (15042), 4, 1, 0; (22637), 3, 1, 0; (34506), 13, 4, 28; (38877), 4, 1, 0; [68, 16, 0\*, 2003/07/18–2003/09/04]

### 633 Romito

M. Bernazzani, via Provinciale 170, I-19030 Romito Magra (SP), Italy

[naidabis@col.it]

Observers N. Biso, M. Bernazzani

Measurer M. Bernazzani

0.30-m  $f/5.1$  Schmidt-Cassegrain + CCD

GSC

(3767), 3, 1, 0; [3, 1, 0\*, 1998/02/27]

### 636 Essen

A. Knöfel, Saarbrücker Str. 8, D-40476 Düsseldorf, Germany

[aknoefel@minorplanets.de]

Observers A. Knöfel, T. Payer, M. Fröhlich

0.32-m  $f/5.7$  reflector + CCD

USNO-A2.0

1978 CA, 2, 1, 0; 1981 EZ<sub>28</sub>, 4, 1, 0; 1996 TT<sub>5</sub>, 3, 1, 0; 1997 CV<sub>4</sub>, 3, 1, 0; 1997 EJ<sub>50</sub>, 3, 1, 0; 1998 AZ<sub>4</sub>, 9, 3, 2; 1998 HV<sub>134</sub>, 3, 1, 0; 1998 QH<sub>6</sub>, 3, 1, 0; 1998 QX<sub>75</sub>, 3, 1, 0; 1998 QR<sub>87</sub>, 3, 1, 0; 1998 QQ<sub>90</sub>, 3, 1, 0; 1998 QU<sub>95</sub>, 2, 1, 0; 1998 SO<sub>124</sub>, 3, 1, 0; 1998 XM<sub>53</sub>, 3, 1, 0; 1999 BQ<sub>15</sub>, 3, 1, 0; 1999 JH<sub>42</sub>, 3, 1, 0; 1999 NT<sub>36</sub>, 3, 1, 0; 1999 RP<sub>40</sub>, 3, 1, 0; 1999 RC<sub>51</sub>, 3, 1, 0; 1999 RO<sub>176</sub>, 4, 1, 0; 1999 SF<sub>3</sub>, 3, 1, 0; 1999 TP<sub>184</sub>, 3, 1, 0; 1999 TT<sub>184</sub>, 3, 1, 0; 1999 TM<sub>210</sub>, 3, 1, 0; 1999 UA<sub>2</sub>, 3, 1, 0; 1999 ÜY<sub>19</sub>, 4, 1, 0; 1999 UC<sub>42</sub>, 3, 1, 0; 1999 VQ<sub>25</sub>, 3, 1, 0; 1999 VP<sub>30</sub>, 3, 1, 0; 1999 VT<sub>47</sub>, 3, 1, 0; 1999 VX<sub>223</sub>, 9, 3, 2; 1999 VX<sub>224</sub>, 2, 1, 0; 1999 XX<sub>78</sub>, 4, 1, 0; 1999 XJ<sub>114</sub>, 7, 2, 1; 1999 XO<sub>133</sub>, 3, 1, 0; 1999 XM<sub>136</sub>, 3, 1, 0; 1999 XR<sub>173</sub>, 3, 1, 0; 1999 XG<sub>243</sub>, 3, 1, 0; 1999 YQ<sub>6</sub>, 5, 1, 0; 2000 AF<sub>16</sub>, 3, 1, 0; 2000 AZ<sub>53</sub>, 3, 1, 0; 2000 AJ<sub>194</sub>, 3, 1, 0; 2000 BQ<sub>25</sub>, 3, 1, 0; 2000 JN<sub>8</sub>, 2, 1, 0; 2000 LG<sub>16</sub>, 2, 1, 0; 2000 OL<sub>8</sub>, 3, 1, 0; 2000 RM<sub>20</sub>, 3, 1, 0; 2000 UP<sub>50</sub>, 3, 1, 0; 2000 YS<sub>71</sub>, 3, 1, 0; 2000 YZ<sub>121</sub>, 3, 1, 0; 2001 BE<sub>41</sub>, 3, 1, 0; 2001 DR<sub>49</sub>, 3, 1, 0; 2001 FH<sub>49</sub>, 3, 1, 0; 2001 FR<sub>147</sub>, 3, 1, 0; 2001 XU<sub>10</sub>, 2, 1, 0; 2001 XJ<sub>47</sub>, 6, 2, 3; 2002 AZ<sub>17</sub>, 4, 1, 0; 2002 CG<sub>240</sub>, 6, 2, 2; 2002 EN<sub>89</sub>, 5, 2, 10; 2002 EB<sub>153</sub>, 2, 1, 0; 2002 JD<sub>34</sub>, 3, 1, 0; 2002 JU<sub>58</sub>, 3, 1, 0; 2002 JT<sub>73</sub>, 3, 1, 0; 2002 KG<sub>6</sub>, 2, 1, 0; 2002 LX<sub>20</sub>, 3, 1, 0; 2002 NB, 3, 1, 0; 2002 OA<sub>22</sub>, 10, 3, 26; 2003 FT<sub>3</sub>, 2, 1, 0; 2003 GE<sub>42</sub>, 3, 1, 0; 2003 HO<sub>49</sub>, 3, 1, 0; 2003 KR<sub>18</sub>, 3, 1, 0; 2003 LY<sub>1</sub>, 3, 1, 0; 2003 LS<sub>3</sub>, 3, 1, 0; 2003 LD<sub>6</sub>, 3, 1, 0; 2003 MN<sub>1</sub>, 4, 1, 0; 2003 MT<sub>2</sub>, 3, 1, 0; 2003 MG<sub>7</sub>, 3, 1, 0; 2003 MD<sub>9</sub>, 3, 1, 0; 2003 MO<sub>9</sub>, 3,

1, 0; 2003 NH<sub>3</sub>, 3, 1, 0; 2003 NO<sub>4</sub>, 6, 2, 1; 2003 NQ<sub>4</sub>, 2, 1, 0; 2003 NS<sub>5</sub>, 3, 1, 0; 2003 NZ<sub>6</sub>, 7, 2, 1; 2003 NA<sub>7</sub>, 3, 1, 0; 2003 NV<sub>8</sub>, 3, 1, 0; 2003 OD<sub>1</sub>, 3, 1, 0; 2003 OW<sub>6</sub>, 3, 1, 0; 2003 OX<sub>6</sub>, 3, 1, 0; 2003 OA<sub>8</sub>, 3, 1, 0; 2003 OC<sub>9</sub>, 3, 1, 0; 2003 OA<sub>11</sub>, 3, 1, 0; 2003 OL<sub>11</sub>, 3, 1, 0; 2003 OB<sub>12</sub>, 3, 1, 0; 2003 OD<sub>12</sub>, 3, 1, 0; 2003 OF<sub>12</sub>, 3, 1, 0; 2003 OH<sub>12</sub>, 3, 1, 0; 2003 OM<sub>12</sub>, 3, 1, 0; 2003 OS<sub>12</sub>, 2, 1, 0; 2003 OR<sub>13</sub>, 6, 2, 26; 2003 OF<sub>15</sub>, 3, 1, 0; 2003 OL<sub>15</sub>, 3, 1, 0; 2003 ON<sub>15</sub>, 3, 1, 0; 2003 OQ<sub>16</sub>, 2, 1, 0; 2003 OZ<sub>22</sub>, 4, 1, 0; 2003 PJ, 4, 2, 1; 2003 PO<sub>9</sub>, 2, 1, 0; 2003 QN<sub>5</sub>, 2, 1, 0; 2003 QF<sub>8</sub>, 3, 1, 0; 2003 QM<sub>10</sub>, 2, 1, 0; 2003 QT<sub>15</sub>, 3, 1, 0; 2003 QY<sub>15</sub>, 3, 1, 0; 2003 QB<sub>16</sub>, 3, 1, 0; 2003 QF<sub>16</sub>, 3, 1, 0; 2003 QG<sub>16</sub>, 3, 1, 0; 2003 QZ<sub>26</sub>, 3, 1, 0; 2003 QY<sub>30</sub>, 3, 1, 0; 2003 QZ<sub>30</sub>, 3, 1, 0; 2003 QE<sub>33</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 5, 1, 0; 2003 QS<sub>69</sub>, 3, 1, 0; 2003 QV<sub>71</sub>, 3, 1, 0; 2003 QO<sub>104</sub>, 3, 1, 0; 2003 RS<sub>1</sub>, 5, 1, 0; 2003 RT<sub>1</sub> \*, 11, 3, 2; 2003 RC<sub>5</sub> \*, 6, 2, 1; (690), 3, 1, 0; (778), 3, 1, 0; (2005), 3, 1, 0; (7091), 3, 1, 0; (8546), 3, 1, 0; (8861), 3, 1, 0; (12074), 3, 1, 0; (12928), 3, 1, 0; (20057), 5, 1, 0; (41738), 3, 1, 0; (42141), 2, 1, 0; (44295), 5, 1, 0; [468, 138, 2\*, 2003/07/09–2003/09/05]

### 642 Oak Bay, Victoria

C. E. Spratt, 1431 St. Patrick Street, Victoria BC V8S 4Y5, Canada

[cspratt@islandnet.com]

0.235-m  $f/5.2$  Schmidt-Cassegrain + focal reducer + CCD

UCAC-2, USNO-A2.0

1997 AE<sub>12</sub>, 3, 1, 0; 2002 OA<sub>22</sub>, 9, 3, 6; 2002 YB<sub>12</sub>, 10, 3, 2; 2003 KR<sub>18</sub>, 3, 1, 0; 2003 MT<sub>2</sub>, 6, 2, 1; 2003 QA, 6, 2, 1; (2100), 6, 2, 1; (7336), 6, 2, 3; [49, 8, 0\*, 2003/08/15–2003/08/21]

### 644 Palomar Mountain/NEAT

E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.

[efh@temblor.jpl.nasa.gov]

Observers E. F. Helin, S. Pravdo, K. Lawrence, K. Kuluhiwa, M. Hicks,

R. Thicksten, R. Bamberg, D. MacDonald, E. Hovland, T. Bickler,

J. Schroeder

Measurers E. F. Helin, S. Pravdo, K. Lawrence, R. Bamberg, R. D. Matson,

M. Meyer, M. Collins, M. White, R. Stoss, S. Hönig, A. Lowe, K. Černis,

R. Haver, A. Pelloni, G. Forti

1.2-m Oschin Schmidt + CCD

USNO-A2.0, USNO-B1.0

1972 FE, 6, 2, 8; 1974 CB, 6, 1, 0; 1977 EA<sub>8</sub>, 6, 2, 29; 1977 XK<sub>3</sub>, 3, 1, 0; 1978 UV<sub>4</sub>, 3, 1, 0; 1979 ME<sub>1</sub>, 3, 1, 0; 1981 DS<sub>2</sub>, 3, 1, 0; 1981 DR<sub>3</sub>, 3, 1, 0; 1981 ES<sub>2</sub>, 6, 2, 5; 1981 EU<sub>10</sub>, 3, 1, 0; 1981 EH<sub>12</sub>, 6, 2, 12; 1981 EO<sub>12</sub>, 6, 2, 6; 1981 EG<sub>13</sub>, 3, 1, 0; 1981 EU<sub>14</sub>, 3, 1, 0; 1981 ER<sub>18</sub>, 3, 1, 0; 1981 EN<sub>23</sub>, 6, 2, 1; 1981 ER<sub>23</sub>, 6, 2, 29; 1981 EN<sub>28</sub>, 6, 1, 0; 1981 ES<sub>32</sub>, 3, 1, 0; 1981 ET<sub>32</sub>, 9, 3, 469; 1981 EV<sub>35</sub>, 6, 1, 0; 1981 EP<sub>44</sub>, 3, 1, 0; 1981 ES<sub>47</sub>, 3, 1, 0; 1981 RR<sub>1</sub>, 3, 1, 0; 1981 UJ<sub>22</sub>, 3, 1, 0; 1982 QB<sub>4</sub>, 6, 1, 0; 1982 YM<sub>1</sub>, 3, 1, 0; 1984 ST<sub>6</sub>, 6, 2, 26; 1986 RP<sub>5</sub>, 3, 1, 0; 1988 CJ<sub>4</sub>, 6, 2, 4; 1988 CS<sub>5</sub>, 3, 1, 0; 1988 TS, 3, 1, 0; 1989 CC<sub>3</sub>, 6, 2, 1; 1989 GF<sub>2</sub>, 3, 1, 0; 1989 SC<sub>2</sub>, 3, 1, 0; 1989 SR<sub>7</sub>, 3, 1, 0; 1989 SC<sub>10</sub>, 3, 1, 0; 1989 TY<sub>6</sub>, 12, 3, 54; 1989 YH<sub>8</sub>, 3, 1, 0; 1990 EH<sub>1</sub>, 3, 1, 0; 1990 EO<sub>1</sub>, 3, 1, 0; 1990 RJ<sub>7</sub>, 9, 3, 31; 1990 SE<sub>3</sub>, 3, 1, 0; 1990 TY<sub>1</sub>, 3, 1, 0; 1990 VR<sub>4</sub>, 3, 1, 0; 1990 VD<sub>8</sub>, 3, 1, 0; 1991 PT<sub>10</sub>, 3, 1, 0; 1991 RH<sub>3</sub>, 3, 1, 0; 1991 RO<sub>11</sub>, 3, 1, 0; 1991 TH<sub>3</sub>, 3, 1, 0; 1991 TQ<sub>10</sub>, 6, 2, 20; 1991 TW<sub>15</sub>, 5, 3, 88; 1991 TP<sub>16</sub>, 3, 1, 0; 1991 VW<sub>6</sub>, 3, 1, 0; 1992 EH<sub>7</sub>, 3, 1, 0; 1992 EZ<sub>10</sub>, 3, 1, 0; 1992 ED<sub>16</sub>, 3, 1, 0; 1992 EN<sub>29</sub>, 3, 1, 0; 1992 EV<sub>31</sub>, 3, 1, 0; 1992 PY<sub>1</sub>, 3, 1, 0; 1992 RB<sub>1</sub>, 3, 1, 0; 1992 RP<sub>1</sub>, 3, 1, 0; 1992 RT<sub>1</sub>, 6, 1, 0; 1992 RJ<sub>2</sub>, 6, 2, 30; 1992 SK<sub>3</sub>, 3, 1, 0; 1992 SX<sub>4</sub>, 3, 1, 0; 1992 SN<sub>5</sub>, 3, 1, 0; 1992 SA<sub>13</sub>, 3, 1, 0; 1992 SF<sub>17</sub>, 3, 1, 0; 1992 SW<sub>18</sub>, 3, 1, 0; 1993 DC, 3, 1, 0; 1993 FQ<sub>15</sub>, 3, 1, 0; 1993 FY<sub>17</sub>, 3, 1, 0; 1993 FN<sub>19</sub>, 3, 1, 0; 1993 FB<sub>20</sub>, 3, 1, 0; 1993 FB<sub>25</sub>, 3, 1, 0; 1993 FV<sub>28</sub>, 3, 1, 0; 1993 FY<sub>35</sub>, 3, 1, 0; 1993 FZ<sub>41</sub>, 3, 1, 0; 1993 FJ<sub>45</sub>, 3, 1, 0; 1993 FO<sub>45</sub>, 3, 1, 0; 1993 FV<sub>46</sub>, 3, 1, 0; 1993 FM<sub>47</sub>, 1, 1, 0; 1993 FH<sub>60</sub>, 6, 2, 16; 1993 FL<sub>60</sub>, 6, 2, 5; 1993 FY<sub>70</sub>, 9, 2, 400; 1993 FD<sub>84</sub>, 3, 1, 0; 1993 HY<sub>2</sub>, 3, 1, 0; 1993 LP<sub>1</sub>, 3, 1, 0; 1993 OP<sub>7</sub>, 3, 1, 0; 1993 OJ<sub>10</sub>, 6, 2, 34; 1993 PU<sub>4</sub>, 3, 1, 0; 1993 PE<sub>7</sub>, 3, 1, 0; 1993 QT<sub>6</sub>, 18, 6, 72; 1993 QH<sub>7</sub>, 3, 1, 0; 1993 RT<sub>4</sub>, 3, 1, 0; 1993 RE<sub>7</sub>, 3, 1, 0; 1993 SD<sub>7</sub>, 3, 1, 0; 1993 SG<sub>13</sub>, 3, 1, 0; 1993 TO<sub>1</sub>, 3, 1, 0; 1993 TX<sub>5</sub>, 3, 1, 0; 1993 TS<sub>7</sub>, 3, 1, 0; 1993 TF<sub>11</sub>, 6, 1, 0; 1993 TB<sub>14</sub>, 3, 1, 0; 1993 TU<sub>14</sub>, 3, 1, 0; 1993 TY<sub>18</sub>, 9, 2, 7; 1993 TT<sub>19</sub>, 3, 1, 0; 1993 TY<sub>19</sub>, 3, 1, 0; 1993 TC<sub>23</sub>, 3, 1, 0; 1993 TR<sub>23</sub>, 3, 1, 0; 1993 TT<sub>31</sub>, 3, 1, 0; 1993 UV<sub>2</sub>, 3, 1, 0; 1993 UA<sub>5</sub>, 3, 1, 0; 1993 UL<sub>7</sub>, 6, 1, 0; 1993 UH<sub>8</sub>, 3, 1, 0; 1993 UU<sub>8</sub>, 3, 1, 0; 1993 VD<sub>4</sub>, 2, 10; 1994 AE<sub>9</sub>, 3, 1, 0; 1994 BC<sub>2</sub>, 3, 1, 0; 1994 BM<sub>2</sub>, 6, 2, 6; 1994 CM<sub>1</sub>, 3, 1, 0; 1994 CC<sub>2</sub>, 3, 1, 0; 1994 CZ<sub>5</sub>, 3, 1, 0; 1994 CS<sub>9</sub>, 3, 1, 0; 1994 CW<sub>13</sub>, 6, 2, 6; 1994 CZ<sub>17</sub>, 6, 2, 2; 1994 CP<sub>18</sub>, 3, 1, 0; 1994 EN<sub>4</sub>, 6, 2, 30; 1994 EO<sub>4</sub>, 6, 2, 5; 1994 GS<sub>6</sub>, 3, 1, 0; 1994 JA<sub>2</sub>, 3, 1, 0; 1994 JH<sub>3</sub>, 3, 1, 0; 1994 JC<sub>6</sub>, 3, 1, 0; 1994 PA<sub>4</sub>, 3, 1, 0; 1994 PN<sub>6</sub>, 3, 1, 0; 1994 PH<sub>10</sub>, 3, 1, 0; 1994 PN<sub>12</sub>, 3, 1, 0; 1994 PJ<sub>16</sub>, 3, 1, 0; 1994 PZ<sub>32</sub>, 9, 3, 8; 1994 PJ<sub>37</sub>, 3, 1, 0; 1994 RC<sub>10</sub>, 3, 1, 0; 1994 RH<sub>16</sub>, 6, 2, 6; 1994 RL<sub>26</sub>, 3, 1, 0; 1994 SJ<sub>5</sub>, 3, 1, 0; 1994 SQ<sub>5</sub>, 9, 3, 32; 1994 SK<sub>13</sub>, 6, 1, 0; 1994 TD<sub>5</sub>, 3, 1, 0; 1994 TL<sub>16</sub>, 3, 1, 0; 1994 UA<sub>6</sub>, 3, 1, 0; 1994 UA<sub>11</sub>, 3, 1, 0; 1994 WY, 3, 1, 0; 1994 WP<sub>8</sub>, 3, 1, 0; 1994 WW<sub>12</sub>, 3, 1, 0; 1995 BM<sub>10</sub>, 3, 1, 0; 1995 BS<sub>10</sub>, 3, 1,

0; 1995 CL<sub>2</sub>, 6, 2, 29; 1995 DT<sub>2</sub>, 3, 1, 0; 1995 DH<sub>6</sub>, 3, 1, 0; 1995 DR<sub>9</sub>, 3, 1, 0; 1995 FO<sub>7</sub>, 3, 1, 0; 1995 GQ<sub>2</sub>, 3, 1, 0; 1995 GJ<sub>8</sub>, 3, 1, 0; 1995 HG<sub>5</sub>, 3, 1, 0; 1995 KQ<sub>3</sub>, 3, 1, 0; 1995 MM<sub>1</sub>, 3, 1, 0; 1995 MW<sub>2</sub>, 3, 1, 0; 1995 MA<sub>6</sub>, 3, 1, 0; 1995 MQ<sub>7</sub>, 3, 1, 0; 1995 OW<sub>3</sub>, 3, 1, 0; 1995 OY<sub>7</sub>, 3, 1, 0; 1995 ON<sub>12</sub>, 3, 1, 0; 1995 QU<sub>5</sub>, 3, 1, 0; 1995 SJ<sub>7</sub>, 3, 1, 0; 1995 SN<sub>15</sub>, 3, 1, 0; 1995 SF<sub>17</sub>, 3, 1, 0; 1995 SC<sub>20</sub>, 6, 2, 2; 1995 SN<sub>32</sub>, 3, 1, 0; 1995 SB<sub>33</sub>, 3, 1, 0; 1995 SD<sub>33</sub>, 3, 1, 0; 1995 SX<sub>37</sub>, 3, 1, 0; 1995 SF<sub>38</sub>, 3, 1, 0; 1995 SJ<sub>42</sub>, 3, 1, 0; 1995 SN<sub>42</sub>, 6, 2, 28; 1995 SV<sub>50</sub>, 18, 6, 54; 1995 SZ<sub>50</sub>, 3, 1, 0; 1995 SH<sub>65</sub>, 3, 1, 0; 1995 SH<sub>79</sub>, 3, 1, 0; 1995 SZ<sub>88</sub>, 3, 1, 0; 1995 TM<sub>1</sub>, 3, 1, 0; 1995 UK<sub>3</sub>, 3, 1, 0; 1995 UC<sub>5</sub>, 3, 1, 0; 1995 UJ<sub>13</sub>, 3, 1, 0; 1995 UU<sub>14</sub>, 3, 1, 0; 1995 UR<sub>22</sub>, 3, 1, 0; 1995 UB<sub>24</sub>, 6, 2, 1; 1995 UT<sub>25</sub>, 6, 2, 1; 1995 UE<sub>45</sub>, 3, 1, 0; 1995 UX<sub>45</sub>, 3, 1, 0; 1995 UR<sub>46</sub>, 3, 1, 0; 1995 UY<sub>72</sub>, 6, 2, 6; 1995 VO<sub>4</sub>, 3, 1, 0; 1995 VY<sub>7</sub>, 3, 1, 0; 1995 VO<sub>8</sub>, 6, 2, 27; 1995 VU<sub>11</sub>, 3, 1, 0; 1995 VO<sub>13</sub>, 3, 1, 0; 1995 WJ<sub>1</sub>, 6, 2, 4; 1995 WZ<sub>2</sub>, 6, 2, 43; 1995 WP<sub>3</sub>, 3, 1, 0; 1995 WS<sub>3</sub>, 3, 1, 0; 1995 WF<sub>7</sub>, 3, 1, 0; 1995 WV<sub>9</sub>, 3, 1, 0; 1995 WX<sub>16</sub>, 6, 2, 5; 1995 WA<sub>27</sub>, 6, 2, 38; 1995 XN<sub>4</sub>, 3, 1, 0; 1995 YL<sub>6</sub>, 2, 2; 1995 YQ<sub>5</sub>, 3, 1, 0; 1995 YR<sub>6</sub>, 3, 1, 0; 1995 YB<sub>10</sub>, 3, 1, 0; 1995 YD<sub>11</sub>, 3, 1, 0; 1995 YH<sub>21</sub>, 3, 1, 0; 1995 YH<sub>25</sub>, 9, 3, 18; 1996 AJ<sub>7</sub>, 6, 2, 29; 1996 AG<sub>10</sub>, 3, 1, 0; 1996 AJ<sub>18</sub>, 3, 1, 0; 1996 BN<sub>1</sub>, 3, 1, 0; 1996 BA<sub>3</sub>, 9, 2, 46; 1996 CX<sub>5</sub>, 3, 1, 0; 1996 DX<sub>2</sub>, 3, 1, 0; 1996 EE<sub>8</sub>, 3, 1, 0; 1996 EM<sub>11</sub>, 3, 1, 0; 1996 FD<sub>7</sub>, 3, 1, 0; 1996 FJ<sub>7</sub>, 3, 1, 0; 1996 GT<sub>3</sub>, 3, 1, 0; 1996 HB<sub>7</sub>, 3, 1, 0; 1996 HO<sub>14</sub>, 3, 1, 0; 1996 HC<sub>18</sub>, 3, 1, 0; 1996 HR<sub>20</sub>, 6, 2, 3; 1996 HO<sub>22</sub>, 6, 2, 16; 1996 LU<sub>2</sub>, 3, 1, 0; 1996 PV<sub>2</sub>, 6, 2, 36; 1996 PV<sub>2</sub>, 3, 1, 0; 1996 RU<sub>3</sub>, 3, 1, 0; 1996 RN<sub>11</sub>, 3, 1, 0; 1996 RL<sub>26</sub>, 3, 1, 0; 1996 RT<sub>29</sub>, 3, 1, 0; 1996 RA<sub>30</sub>, 6, 2, 22; 1996 RW<sub>30</sub>, 6, 2, 28; 1996 SZ<sub>7</sub>, 9, 3, 551; 1996 TQ<sub>3</sub>, 3, 1, 0; 1996 TZ<sub>1</sub>, 3, 1, 0; 1996 TL<sub>3</sub>, 3, 1, 0; 1996 TH<sub>8</sub>, 3, 1, 0; 1996 TG<sub>18</sub>, 3, 1, 0; 1996 TW<sub>28</sub>, 3, 1, 0; 1996 TC<sub>33</sub>, 3, 1, 0; 1996 TA<sub>36</sub>, 3, 1, 0; 1996 TZ<sub>36</sub>, 3, 1, 0; 1996 UC<sub>3</sub>, 6, 2, 29; 1996 VA<sub>3</sub>, 3, 1, 0; 1996 VO<sub>5</sub>, 6, 2, 28; 1996 VN<sub>17</sub>, 3, 1, 0; 1996 VF<sub>19</sub>, 3, 1, 0; 1996 VA<sub>28</sub>, 3, 1, 0; 1996 VG<sub>32</sub>, 3, 1, 0; 1996 WO<sub>2</sub>, 3, 1, 0; 1996 XQ<sub>4</sub>, 3, 1, 0; 1996 XE<sub>6</sub>, 3, 1, 0; 1996 XT<sub>10</sub>, 3, 1, 0; 1996 XG<sub>11</sub>, 3, 1, 0; 1996 XS<sub>15</sub>, 6, 2, 13; 1996 XX<sub>20</sub>, 6, 1, 0; 1996 XD<sub>26</sub>, 3, 1, 0; 1996 XA<sub>31</sub>, 3, 1, 0; 1997 AM<sub>1</sub>, 3, 1, 0; 1997 AD<sub>6</sub>, 3, 1, 0; 1997 AD<sub>9</sub>, 6, 2, 28; 1997 AE<sub>12</sub>, 12, 3, 48; 1997 AY<sub>12</sub>, 3, 1, 0; 1997 AE<sub>15</sub>, 3, 1, 0; 1997 AR<sub>15</sub>, 3, 1, 0; 1997 BT<sub>2</sub>, 3, 1, 0; 1997 BE<sub>6</sub>, 3, 1, 0; 1997 BH<sub>6</sub>, 6, 2, 30; 1997 CN<sub>1</sub>, 3, 1, 0; 1997 CP<sub>4</sub>, 6, 1, 0; 1997 CL<sub>7</sub>, 3, 1, 0; 1997 CF<sub>16</sub>, 3, 1, 0; 1997 CR<sub>22</sub>, 3, 1, 0; 1997 CG<sub>28</sub>, 6, 2, 29; 1997 EJ<sub>16</sub>, 9, 3, 21; 1997 EA<sub>37</sub>, 6, 2, 30; 1997 EV<sub>38</sub>, 3, 1, 0; 1997 EQ<sub>46</sub>, 3, 1, 0; 1997 EM<sub>47</sub>, 6, 2, 47; 1997 FM<sub>3</sub>, 3, 1, 0; 1997 FR<sub>3</sub>, 3, 1, 0; 1997 GY<sub>2</sub>, 3, 1, 0; 1997 GQ<sub>5</sub>, 3, 1, 0; 1997 GZ<sub>9</sub>, 6, 2, 29; 1997 GM<sub>10</sub>, 6, 2, 34; 1997 GC<sub>12</sub>, 3, 1, 0; 1997 GB<sub>17</sub>, 6, 2, 17; 1997 GT<sub>17</sub>, 3, 1, 0; 1997 GD<sub>25</sub>, 3, 1, 0; 1997 JY<sub>12</sub>, 3, 1, 0; 1997 KW<sub>1</sub>, 3, 1, 0; 1997 LH<sub>3</sub>, 12, 4, 29; 1997 MZ<sub>5</sub>, 6, 2, 9; 1997 MF<sub>6</sub>, 3, 1, 0; 1997 NO<sub>5</sub>, 3, 1, 0; 1997 OQ<sub>1</sub>, 3, 1, 0; 1997 PP<sub>2</sub>, 3, 1, 0; 1997 PA<sub>4</sub>, 3, 1, 0; 1997 RR<sub>5</sub>, 3, 1, 0; 1997 SV<sub>3</sub>, 3, 1, 0; 1997 ST<sub>20</sub>, 3, 1, 0; 1997 SD<sub>32</sub>, 6, 2, 17; 1997 SO<sub>34</sub>, 3, 1, 0; 1997 TE<sub>13</sub>, 3, 1, 0; 1997 TL<sub>15</sub>, 3, 1, 0; 1997 UE<sub>2</sub>, 3, 1, 0; 1997 UW<sub>14</sub>, 15, 4, 54; 1997 UE<sub>21</sub>, 6, 2, 28; 1997 UC<sub>22</sub>, 6, 1, 0; 1997 UE<sub>24</sub>, 6, 2, 29; 1997 VH<sub>2</sub>, 3, 1, 0; 1997 WD<sub>7</sub>, 3, 1, 0; 1997 WT<sub>10</sub>, 3, 1, 0; 1997 WN<sub>11</sub>, 3, 1, 0; 1997 WV<sub>11</sub>, 3, 1, 0; 1997 WY<sub>14</sub>, 3, 1, 0; 1997 WT<sub>18</sub>, 3, 1, 0; 1997 WX<sub>19</sub>, 3, 1, 0; 1997 WS<sub>37</sub>, 3, 1, 0; 1997 WL<sub>55</sub>, 9, 3, 45; 1997 XV<sub>6</sub>, 3, 1, 0; 1997 YO<sub>5</sub>, 6, 2, 30; 1997 YS<sub>7</sub>, 3, 1, 0; 1997 YX<sub>13</sub>, 3, 1, 0; 1997 YP<sub>15</sub>, 3, 1, 0; 1997 YY<sub>16</sub>, 3, 1, 0; 1997 YH<sub>17</sub>, 3, 1, 0; 1998 AM<sub>6</sub>, 6, 2, 1; 1998 AY<sub>3</sub>, 3, 1, 0; 1998 AB<sub>3</sub>, 3, 1, 0; 1998 AX<sub>9</sub>, 3, 1, 0; 1998 BB<sub>4</sub>, 3, 1, 0; 1998 BH<sub>6</sub>, 3, 1, 0; 1998 BD<sub>9</sub>, 3, 1, 0; 1998 BT<sub>9</sub>, 6, 2, 64; 1998 BK<sub>12</sub>, 3, 1, 0; 1998 BA<sub>16</sub>, 3, 1, 0; 1998 BQ<sub>24</sub>, 6, 2, 29; 1998 BK<sub>29</sub>, 6, 2, 13; 1998 BH<sub>30</sub>, 3, 1, 0; 1998 BP<sub>34</sub>, 9, 2, 29; 1998 BR<sub>35</sub>, 3, 1, 0; 1998 BT<sub>36</sub>, 3, 1, 0; 1998 BF<sub>45</sub>, 3, 1, 0; 1998 CW<sub>1</sub>, 3, 1, 0; 1998 CZ<sub>1</sub>, 6, 1, 0; 1998 DG<sub>9</sub>, 3, 1, 0; 1998 DR<sub>9</sub>, 3, 1, 0; 1998 DM<sub>10</sub>, 6, 1, 0; 1998 DS<sub>11</sub>, 3, 1, 0; 1998 DP<sub>13</sub>, 3, 1, 0; 1998 DT<sub>13</sub>, 3, 1, 0; 1998 DK<sub>15</sub>, 3, 1, 0; 1998 DX<sub>15</sub>, 3, 1, 0; 1998 DW<sub>17</sub>, 9, 3, 46; 1998 DT<sub>22</sub>, 6, 1, 0; 1998 DB<sub>28</sub>, 3, 1, 0; 1998 DR<sub>33</sub>, 3, 1, 0; 1998 EH<sub>2</sub>, 3, 1, 0; 1998 ES<sub>5</sub>, 3, 1, 0; 1998 EZ<sub>5</sub>, 3, 1, 0; 1998 EM<sub>7</sub>, 3, 1, 0; 1998 EW<sub>7</sub>, 6, 2, 2; 1998 EH<sub>9</sub>, 3, 1, 0; 1998 EV<sub>9</sub>, 3, 1, 0; 1998 EL<sub>11</sub>, 3, 1, 0; 1998 EC<sub>14</sub>, 3, 1, 0; 1998 EZ<sub>19</sub>, 3, 1, 0; 1998 EN<sub>21</sub>, 3, 1, 0; 1998 FQ<sub>6</sub>, 6, 2, 46; 1998 FX<sub>4</sub>, 3, 1, 0; 1998 FA<sub>6</sub>, 3, 1, 0; 1998 FO<sub>7</sub>, 3, 1, 0; 1998 FW<sub>8</sub>, 3, 1, 0; 1998 FG<sub>9</sub>, 3, 1, 0; 1998 FC<sub>10</sub>, 3, 1, 0; 1998 FL<sub>18</sub>, 3, 1, 0; 1998 FN<sub>16</sub>, 3, 1, 0; 1998 FQ<sub>32</sub>, 6, 2, 31; 1998 FA<sub>27</sub>, 3, 1, 0; 1998 FD<sub>28</sub>, 3, 1, 0; 1998 FO<sub>30</sub>, 3, 1, 0; 1998 FF<sub>31</sub>, 3, 1, 0; 1998 FB<sub>32</sub>, 6, 2, 2, 1; 1998 FA<sub>38</sub>, 3, 1, 0; 1998 FZ<sub>38</sub>, 3, 1, 0; 1998 FH<sub>39</sub>, 6, 2, 28; 1998 FP<sub>42</sub>, 3, 1, 0; 1998 FV<sub>46</sub>, 9, 3, 6; 1998 FM<sub>47</sub>, 3, 1, 0; 1998 FW<sub>47</sub>, 3, 1, 0; 1998 FF<sub>48</sub>, 3, 1, 0; 1998 FN<sub>52</sub>, 6, 2, 17; 1998 FE<sub>54</sub>, 3, 1, 0; 1998 FP<sub>54</sub>, 6, 2, 29; 1998 FV<sub>55</sub>, 6, 2, 29; 1998 FK<sub>59</sub>, 6, 1, 0; 1998 FK<sub>60</sub>, 15, 5, 54; 1998 FW<sub>60</sub>, 3, 1, 0; 1998 FR<sub>63</sub>, 3, 1, 0; 1998 FA<sub>64</sub>, 3, 1, 0; 1998 FT<sub>64</sub>, 3, 1, 0; 1998 FF<sub>65</sub>, 3, 1, 0; 1998 FK<sub>70</sub>, 3, 1, 0; 1998 FB<sub>71</sub>, 3, 1, 0; 1998 FS<sub>72</sub>, 3, 1, 0; 1998 FZ<sub>72</sub>, 3, 1, 0; 1998 FR<sub>77</sub>, 3, 1, 0; 1998 FU<sub>87</sub>, 3, 1, 0; 1998 FC<sub>90</sub>, 3, 1, 0; 1998 FM<sub>93</sub>, 6, 2, 32; 1998 FR<sub>98</sub>, 3, 1, 0; 1998 FW<sub>99</sub>, 6, 2, 5; 1998 FZ<sub>100</sub>, 9, 3, 82; 1998 FJ<sub>101</sub>, 3, 1, 0; 1998 FZ<sub>103</sub>, 3, 1, 0; 1998 FT<sub>106</sub>, 6, 2, 28; 1998 FJ<sub>107</sub>, 3, 1, 0; 1998 FP<sub>117</sub>, 3, 1, 0; 1998 FW<sub>117</sub>, 3, 1, 0; 1998 FU<sub>119</sub>, 3, 1, 0; 1998 FF<sub>122</sub>, 3, 1, 0; 1998 FS<sub>122</sub>, 3, 1, 0; 1998 FP<sub>126</sub>, 9, 2, 7; 1998 FT<sub>131</sub>, 3, 1, 0; 1998 FU<sub>132</sub>, 6, 2, 1; 1998 FG<sub>140</sub>, 6, 2, 26; 1998 FA<sub>146</sub>, 3, 1, 0; 1998 GA<sub>1</sub>, 3, 1, 0; 1998 GS<sub>6</sub>, 3, 1, 0; 1998 GP<sub>9</sub>, 3, 1, 0; 1998 HU<sub>2</sub>, 3, 1, 0; 1998 HT<sub>17</sub>, 3, 1, 0; 1998 HN<sub>19</sub>, 3, 1, 0; 1998 HO<sub>20</sub>, 3, 1, 0; 1998 HL<sub>23</sub>, 3, 1, 0; 1998 HC<sub>24</sub>, 3, 1, 0; 1998 HK<sub>24</sub>, 6, 2, 7; 1998 HJ<sub>28</sub>, 6, 2, 17; 1998 HJ<sub>32</sub>, 3, 1, 0; 1998 HC<sub>33</sub>, 3, 1, 0; 1998 HK<sub>34</sub>, 3, 1, 0; 1998 HA<sub>38</sub>, 6, 1, 0; 1998 HZ<sub>38</sub>, 12, 4, 37; 1998 HB<sub>42</sub>, 6, 2, 2; 1998 HF<sub>44</sub>, 3, 1, 0; 1998 HV<sub>46</sub>, 3, 1, 0; 1998 HB<sub>52</sub>, 3, 1, 0; 1998 HU<sub>53</sub>, 3, 1, 0; 1998 HF<sub>62</sub>, 3, 1, 0; 1998 HZ<sub>69</sub>, 3, 1, 0; 1998 HG<sub>72</sub>, 3, 1, 0; 1998 HG<sub>83</sub>, 3, 1, 0; 1998 HY<sub>94</sub>, 9, 2, 52; 1998 HV<sub>96</sub>, 9, 2, 28; 1998 HS<sub>98</sub>, 3, 1, 0; 1998 HQ<sub>99</sub>, 3, 1, 0; 1998 HB<sub>100</sub>, 6, 1, 0; 1998 HB<sub>102</sub>, 3, 1, 0; 1998 HM<sub>102</sub>, 3, 1, 0; 1998 HX<sub>105</sub>, 3, 1, 0; 1998 HQ<sub>106</sub>, 3, 1, 0; 1998 HH<sub>108</sub>, 3, 1, 0; 1998 HG<sub>109</sub>, 12, 4, 31; 1998 HE<sub>111</sub>, 6, 2, 32; 1998 HB<sub>116</sub>, 3, 1, 0; 1998 HD<sub>119</sub>, 6, 2, 7; 1998 HN<sub>119</sub>, 3, 1, 0; 1998 HT<sub>119</sub>, 3, 1, 0; 1998 HN<sub>122</sub>, 3, 1, 0; 1998 HS<sub>124</sub>, 3, 1, 0; 1998 HA<sub>125</sub>, 6, 1, 0; 1998 HE<sub>137</sub>, 3, 1, 0; 1998 HM<sub>141</sub>,

6, 2, 8; 1998 HP<sub>144</sub>, 3, 1, 0; 1998 HN<sub>145</sub>, 3, 1, 0; 1998 HA<sub>147</sub>, 6, 2, 1; 1998 HE<sub>149</sub>, 3, 1, 0; 1998 HD<sub>152</sub>, 6, 1, 0; 1998 JU<sub>1</sub>, 3, 1, 0; 1998 JO<sub>3</sub>, 3, 1, 0; 1998 KQ<sub>1</sub>, 3, 1, 0; 1998 KU<sub>5</sub>, 3, 1, 0; 1998 KX<sub>7</sub>, 3, 1, 0; 1998 KZ<sub>12</sub>, 3, 1, 0; 1998 KF<sub>15</sub>, 3, 1, 0; 1998 KX<sub>19</sub>, 3, 1, 0; 1998 KO<sub>32</sub>, 9, 3, 29; 1998 KO<sub>43</sub>, 3, 1, 0; 1998 KL<sub>47</sub>, 3, 1, 0; 1998 KC<sub>52</sub>, 3, 1, 0; 1998 KE<sub>53</sub>, 3, 1, 0; 1998 KM<sub>57</sub>, 3, 1, 0; 1998 KN<sub>57</sub>, 3, 1, 0; 1998 KZ<sub>57</sub>, 3, 1, 0; 1998 KG<sub>59</sub>, 6, 1, 0; 1998 KM<sub>67</sub>, 9, 3, 480; 1998 MX<sub>5</sub>, 3, 1, 0; 1998 MM<sub>16</sub>, 3, 1, 0; 1998 MV<sub>17</sub>, 6, 1, 0; 1998 MQ<sub>24</sub>, 3, 1, 0; 1998 ND<sub>6</sub>, 2, 13; 1998 OG<sub>1</sub>, 6, 2, 3; 1998 OJ<sub>3</sub>, 3, 1, 0; 1998 OM<sub>3</sub>, 9, 3, 36; 1998 OD<sub>4</sub>, 3, 1, 0; 1998 OV<sub>9</sub>, 3, 1, 0; 1998 OW<sub>13</sub>, 3, 1, 0; 1998 QH<sub>2</sub>, 3, 1, 0; 1998 QT<sub>3</sub>, 3, 1, 0; 1998 QH<sub>6</sub>, 6, 2, 29; 1998 QO<sub>15</sub>, 9, 2, 30; 1998 QC<sub>24</sub>, 6, 2, 30; 1998 QW<sub>24</sub>, 3, 1, 0; 1998 QZ<sub>27</sub>, 3, 1, 0; 1998 QE<sub>31</sub>, 6, 2, 29; 1998 QZ<sub>34</sub>, 6, 1, 0; 1998 QP<sub>46</sub>, 6, 2, 1; 1998 QK<sub>48</sub>, 3, 1, 0; 1998 QH<sub>49</sub>, 3, 1, 0; 1998 QJ<sub>50</sub>, 3, 1, 0; 1998 QU<sub>51</sub>, 3, 1, 0; 1998 QM<sub>53</sub>, 3, 1, 0; 1998 QL<sub>55</sub>, 6, 2, 17; 1998 QG<sub>57</sub>, 3, 1, 0; 1998 QK<sub>62</sub>, 3, 1, 0; 1998 QD<sub>74</sub>, 6, 2, 28; 1998 QS<sub>74</sub>, 3, 1, 0; 1998 QL<sub>75</sub>, 3, 1, 0; 1998 QA<sub>78</sub>, 9, 3, 36; 1998 QA<sub>85</sub>, 6, 2, 28; 1998 QT<sub>85</sub>, 3, 1, 0; 1998 QU<sub>85</sub>, 3, 1, 0; 1998 QC<sub>87</sub>, 9, 3, 32; 1998 QM<sub>87</sub>, 3, 1, 0; 1998 QN<sub>87</sub>, 3, 1, 0; 1998 QR<sub>87</sub>, 3, 1, 0; 1998 QM<sub>88</sub>, 3, 1, 0; 1998 QY<sub>88</sub>, 6, 2, 3; 1998 QQ<sub>89</sub>, 3, 1, 0; 1998 QM<sub>95</sub>, 3, 1, 0; 1998 QU<sub>95</sub>, 3, 1, 0; 1998 QP<sub>96</sub>, 6, 1, 0; 1998 QV<sub>96</sub>, 6, 2, 4; 1998 QZ<sub>100</sub>, 6, 2, 9; 1998 QN<sub>104</sub>, 3, 1, 0; 1998 QD<sub>105</sub>, 3, 1, 0; 1998 QP<sub>110</sub>, 6, 2, 12; 1998 RG<sub>1</sub>, 3, 1, 0; 1998 RU<sub>2</sub>, 3, 1, 0; 1998 RR<sub>3</sub>, 6, 2, 8; 1998 RW<sub>4</sub>, 3, 1, 0; 1998 RV<sub>5</sub>, 3, 1, 0; 1998 RU<sub>11</sub>, 9, 3, 8; 1998 RB<sub>13</sub>, 3, 1, 0; 1998 RS<sub>14</sub>, 6, 1, 0; 1998 RN<sub>15</sub>, 3, 1, 0; 1998 RO<sub>18</sub>, 6, 2, 21; 1998 RM<sub>21</sub>, 3, 1, 0; 1998 RR<sub>25</sub>, 3, 1, 0; 1998 RK<sub>27</sub>, 6, 1, 0; 1998 RP<sub>30</sub>, 3, 1, 0; 1998 RR<sub>32</sub>, 15, 5, 79; 1998 RS<sub>41</sub>, 3, 1, 0; 1998 RK<sub>42</sub>, 6, 2, 28; 1998 RV<sub>47</sub>, 6, 2, 5; 1998 RE<sub>49</sub>, 3, 1, 0; 1998 RH<sub>49</sub>, 3, 1, 0; 1998 RJ<sub>50</sub>, 3, 1, 0; 1998 RZ<sub>50</sub>, 6, 2, 37; 1998 RH<sub>53</sub>, 3, 1, 0; 1998 RL<sub>53</sub>, 9, 2, 17; 1998 RW<sub>53</sub>, 3, 1, 0; 1998 RZ<sub>58</sub>, 6, 2, 29; 1998 RW<sub>61</sub>, 3, 1, 0; 1998 RY<sub>63</sub>, 3, 1, 0; 1998 RO<sub>66</sub>, 6, 2, 1; 1998 RQ<sub>67</sub>, 3, 1, 0; 1998 RS<sub>69</sub>, 6, 2, 17; 1998 RS<sub>69</sub>, 6, 2, 32; 1998 RK<sub>70</sub>, 3, 1, 0; 1998 RE<sub>71</sub>, 6, 2, 29; 1998 RH<sub>72</sub>, 9, 3, 29; 1998 RQ<sub>73</sub>, 3, 1, 0; 1998 RX<sub>73</sub>, 3, 1, 0; 1998 RX<sub>75</sub>, 6, 2, 31; 1998 RO<sub>76</sub>, 3, 1, 0; 1998 RO<sub>79</sub>, 9, 3, 46; 1998 RG<sub>80</sub>, 3, 1, 0; 1998 SD<sub>8</sub>, 3, 1, 0; 1998 SY<sub>1</sub>, 3, 1, 0; 1998 SB<sub>4</sub>, 6, 2, 3; 1998 SP<sub>6</sub>, 3, 1, 0; 1998 SS<sub>6</sub>, 3, 1, 0; 1998 SZ<sub>9</sub>, 3, 1, 0; 1998 SP<sub>10</sub>, 6, 2, 8; 1998 SV<sub>12</sub>, 6, 2, 3; 1998 SQ<sub>13</sub>, 6, 2, 30; 1998 SK<sub>14</sub>, 3, 1, 0; 1998 SS<sub>14</sub>, 9, 3, 73; 1998 SX<sub>19</sub>, 3, 1, 0; 1998 SS<sub>24</sub>, 6, 2, 11; 1998 SW<sub>25</sub>, 6, 2, 27; 1998 SJ<sub>26</sub>, 6, 2, 49; 1998 SW<sub>27</sub>, 3, 1, 0; 1998 SJ<sub>28</sub>, 3, 1, 0; 1998 SV<sub>31</sub>, 3, 1, 0; 1998 SH<sub>32</sub>, 3, 1, 0; 1998 SB<sub>35</sub>, 3, 1, 0; 1998 SD<sub>35</sub>, 3, 1, 0; 1998 SY<sub>39</sub>, 6, 2, 7; 1998 SC<sub>44</sub>, 3, 1, 0; 1998 SP<sub>45</sub>, 3, 1, 0; 1998 SY<sub>45</sub>, 6, 2, 28; 1998 SK<sub>51</sub>, 6, 2, 20; 1998 SF<sub>52</sub>, 17, 6, 39; 1998 SS<sub>54</sub>, 3, 1, 0; 1998 SG<sub>55</sub>, 3, 1, 0; 1998 SB<sub>59</sub>, 6, 1, 0; 1998 SU<sub>61</sub>, 3, 1, 0; 1998 SG<sub>68</sub>, 3, 1, 0; 1998 SQ<sub>73</sub>, 12, 2, 2; 1998 SV<sub>74</sub>, 3, 1, 0; 1998 SC<sub>76</sub>, 3, 1, 0; 1998 SU<sub>79</sub>, 3, 1, 0; 1998 SB<sub>80</sub>, 3, 1, 0; 1998 SB<sub>81</sub>, 3, 1, 0; 1998 SJ<sub>82</sub>, 3, 1, 0; 1998 SC<sub>90</sub>, 3, 1, 0; 1998 SA<sub>92</sub>, 3, 1, 0; 1998 SG<sub>93</sub>, 3, 1, 0; 1998 SQ<sub>95</sub>, 3, 1, 0; 1998 SQ<sub>96</sub>, 6, 2, 11; 1998 SK<sub>98</sub>, 3, 1, 0; 1998 SY<sub>98</sub>, 6, 2, 450; 1998 SD<sub>100</sub>, 3, 1, 0; 1998 SJ<sub>100</sub>, 3, 1, 0; 1998 SG<sub>103</sub>, 3, 1, 0; 1998 SL<sub>107</sub>, 3, 1, 0; 1998 SC<sub>111</sub>, 3, 1, 0; 1998 SA<sub>112</sub>, 3, 1, 0; 1998 SQ<sub>114</sub>, 6, 2, 32; 1998 SA<sub>117</sub>, 6, 2, 28; 1998 SM<sub>117</sub>, 3, 1, 0; 1998 SL<sub>118</sub>, 3, 1, 0; 1998 SC<sub>119</sub>, 3, 1, 0; 1998 SQ<sub>122</sub>, 3, 1, 0; 1998 SA<sub>123</sub>, 3, 1, 0; 1998 SY<sub>125</sub>, 3, 1, 0; 1998 SP<sub>126</sub>, 6, 2, 29; 1998 SR<sub>127</sub>, 6, 2, 5; 1998 SV<sub>127</sub>, 6, 2, 32; 1998 SV<sub>130</sub>, 9, 3, 28; 1998 SK<sub>131</sub>, 6, 2, 7; 1998 SX<sub>131</sub>, 6, 2, 1; 1998 SU<sub>134</sub>, 3, 1, 0; 1998 SB<sub>135</sub>, 6, 2, 27; 1998 SS<sub>137</sub>, 3, 1, 0; 1998 SH<sub>138</sub>, 3, 1, 0; 1998 SH<sub>143</sub>, 6, 2, 4; 1998 SN<sub>145</sub>, 3, 1, 0; 1998 SW<sub>146</sub>, 3, 1, 0; 1998 SV<sub>147</sub>, 3, 1, 0; 1998 SG<sub>149</sub>, 3, 1, 0; 1998 SV<sub>154</sub>, 3, 1, 0; 1998 SE<sub>155</sub>, 6, 1, 0; 1998 ST<sub>158</sub>, 3



1, 0; 1999 CP<sub>45</sub>, 3, 1, 0; 1999 CA<sub>50</sub>, 3, 1, 0; 1999 CS<sub>51</sub>, 3, 1, 0; 1999 CN<sub>52</sub>, 6, 1, 0; 1999 CS<sub>53</sub>, 6, 1, 0; 1999 CL<sub>60</sub>, 6, 2, 7; 1999 CM<sub>65</sub>, 3, 1, 0; 1999 CS<sub>66</sub>, 3, 1, 0; 1999 CH<sub>73</sub>, 3, 1, 0; 1999 CD<sub>74</sub>, 3, 1, 0; 1999 CL<sub>79</sub>, 3, 1, 0; 1999 CN<sub>82</sub>, 3, 1, 0; 1999 CJ<sub>83</sub>, 3, 1, 0; 1999 CU<sub>87</sub>, 3, 1, 0; 1999 CS<sub>89</sub>, 3, 1, 0; 1999 CY<sub>93</sub>, 9, 3, 60; 1999 CQ<sub>94</sub>, 3, 1, 0; 1999 CR<sub>98</sub>, 6, 1, 0; 1999 CX<sub>111</sub>, 3, 1, 0; 1999 CV<sub>117</sub>, 6, 2, 85; 1999 CS<sub>119</sub>, 3, 1, 0; 1999 CO<sub>121</sub>, 3, 1, 0; 1999 CQ<sub>122</sub>, 6, 2, 20; 1999 CP<sub>123</sub>, 3, 1, 0; 1999 CD<sub>125</sub>, 3, 1, 0; 1999 CA<sub>129</sub>, 6, 1, 0; 1999 CS<sub>133</sub>, 3, 1, 0; 1999 CL<sub>135</sub>, 3, 1, 0; 1999 CR<sub>141</sub>, 3, 1, 0; 1999 CT<sub>147</sub>, 9, 2, 32; 1999 CZ<sub>150</sub>, 3, 1, 0; 1999 CY<sub>153</sub>, 6, 1, 0; 1999 CC<sub>156</sub>, 3, 1, 0; 1999 CF<sub>157</sub>, 3, 1, 0; 1999 CZ<sub>157</sub>, 3, 1, 0; 1999 DG, 6, 2, 53; 1999 DN, 3, 1, 0; 1999 DO, 3, 1, 0; 1999 DA<sub>5</sub>, 6, 2, 6; 1999 ET, 3, 1, 0; 1999 ET<sub>5</sub>, 3, 1, 0; 1999 EY<sub>5</sub>, 3, 1, 0; 1999 EG<sub>6</sub>, 3, 1, 0; 1999 EQ<sub>6</sub>, 3, 1, 0; 1999 ER<sub>12</sub>, 6, 2, 14; 1999 FZ, 3, 1, 0; 1999 FE<sub>2</sub>, 3, 1, 0; 1999 FJ<sub>3</sub>, 3, 1, 0; 1999 FN<sub>7</sub>, 3, 1, 0; 1999 FJ<sub>9</sub>, 3, 1, 0; 1999 FG<sub>16</sub>, 3, 1, 0; 1999 FN<sub>17</sub>, 3, 1, 0; 1999 FW<sub>28</sub>, 3, 1, 0; 1999 FN<sub>34</sub>, 6, 2, 47; 1999 FU<sub>44</sub>, 28, 10, 435; 1999 FG<sub>48</sub>, 3, 1, 0; 1999 FS<sub>62</sub>, 3, 1, 0; 1999 GJ<sub>2</sub>, 6, 2, 6; 1999 GE<sub>11</sub>, 3, 1, 0; 1999 GW<sub>22</sub>, 3, 1, 0; 1999 GU<sub>33</sub>, 6, 2, 17; 1999 GA<sub>34</sub>, 3, 1, 0; 1999 GP<sub>35</sub>, 3, 1, 0; 1999 GR<sub>35</sub>, 3, 1, 0; 1999 GX<sub>35</sub>, 6, 2, 1; 1999 GW<sub>39</sub>, 3, 1, 0; 1999 GN<sub>42</sub>, 3, 1, 0; 1999 GY<sub>49</sub>, 6, 2, 12; 1999 GC<sub>56</sub>, 3, 1, 0; 1999 GT<sub>58</sub>, 6, 2, 407; 1999 HR, 3, 1, 0; 1999 HZ<sub>6</sub>, 9, 2, 2; 1999 JJ<sub>1</sub>, 6, 2, 533; 1999 JO<sub>1</sub>, 3, 1, 0; 1999 JV<sub>4</sub>, 3, 1, 0; 1999 JC<sub>6</sub>, 3, 1, 0; 1999 JG<sub>9</sub>, 3, 1, 0; 1999 JY<sub>10</sub>, 3, 1, 0; 1999 JK<sub>11</sub>, 6, 2, 8; 1999 JL<sub>11</sub>, 3, 1, 0; 1999 JT<sub>12</sub>, 3, 1, 0; 1999 JX<sub>12</sub>, 6, 2, 14; 1999 JY<sub>12</sub>, 3, 1, 0; 1999 JA<sub>13</sub>, 3, 1, 0; 1999 JZ<sub>14</sub>, 3, 1, 0; 1999 JV<sub>15</sub>, 6, 2, 17; 1999 JQ<sub>16</sub>, 3, 1, 0; 1999 JE<sub>20</sub>, 3, 1, 0; 1999 JM<sub>23</sub>, 6, 2, 17; 1999 JM<sub>24</sub>, 3, 1, 0; 1999 JP<sub>24</sub>, 3, 1, 0; 1999 JD<sub>25</sub>, 3, 1, 0; 1999 JJ<sub>26</sub>, 3, 1, 0; 1999 JC<sub>29</sub>, 3, 1, 0; 1999 JJ<sub>30</sub>, 15, 4, 36; 1999 JY<sub>35</sub>, 3, 1, 0; 1999 JG<sub>37</sub>, 3, 1, 0; 1999 JH<sub>40</sub>, 3, 1, 0; 1999 JU<sub>41</sub>, 3, 1, 0; 1999 JX<sub>41</sub>, 6, 2, 30; 1999 JZ<sub>41</sub>, 6, 2, 28; 1999 JE<sub>42</sub>, 6, 2, 544; 1999 JJ<sub>43</sub>, 3, 1, 0; 1999 JT<sub>43</sub>, 3, 1, 0; 1999 JP<sub>45</sub>, 3, 1, 0; 1999 JE<sub>46</sub>, 3, 1, 0; 1999 JC<sub>51</sub>, 3, 1, 0; 1999 JT<sub>51</sub>, 6, 2, 3; 1999 JW<sub>51</sub>, 3, 1, 0; 1999 JN<sub>54</sub>, 3, 1, 0; 1999 JD<sub>55</sub>, 3, 1, 0; 1999 JF<sub>55</sub>, 6, 1, 0; 1999 JR<sub>55</sub>, 3, 1, 0; 1999 JY<sub>56</sub>, 3, 1, 0; 1999 JD<sub>57</sub>, 3, 1, 0; 1999 JT<sub>59</sub>, 3, 1, 0; 1999 JY<sub>59</sub>, 3, 1, 0; 1999 JE<sub>60</sub>, 3, 1, 0; 1999 JU<sub>61</sub>, 3, 1, 0; 1999 JG<sub>63</sub>, 6, 2, 397; 1999 JV<sub>63</sub>, 3, 1, 0; 1999 JY<sub>64</sub>, 3, 1, 0; 1999 JH<sub>65</sub>, 3, 1, 0; 1999 JK<sub>66</sub>, 3, 1, 0; 1999 JA<sub>68</sub>, 6, 1, 0; 1999 JV<sub>68</sub>, 6, 1, 0; 1999 JT<sub>70</sub>, 3, 1, 0; 1999 JK<sub>71</sub>, 6, 2, 29; 1999 JW<sub>72</sub>, 6, 1, 0; 1999 JN<sub>73</sub>, 9, 3, 33; 1999 JN<sub>76</sub>, 6, 1, 0; 1999 JU<sub>77</sub>, 9, 3, 33; 1999 JO<sub>86</sub>, 3, 1, 0; 1999 JT<sub>86</sub>, 6, 2, 20; 1999 JN<sub>87</sub>, 3, 1, 0; 1999 JF<sub>88</sub>, 3, 1, 0; 1999 JQ<sub>88</sub>, 3, 1, 0; 1999 JQ<sub>90</sub>, 3, 1, 0; 1999 JW<sub>90</sub>, 3, 1, 0; 1999 JQ<sub>91</sub>, 3, 1, 0; 1999 JX<sub>91</sub>, 6, 2, 17; 1999 JS<sub>94</sub>, 3, 1, 0; 1999 JW<sub>95</sub>, 9, 3, 25; 1999 JJ<sub>96</sub>, 3, 1, 0; 1999 JX<sub>96</sub>, 3, 1, 0; 1999 JP<sub>98</sub>, 3, 1, 0; 1999 JU<sub>102</sub>, 3, 1, 0; 1999 JH<sub>105</sub>, 3, 1, 0; 1999 JS<sub>106</sub>, 3, 1, 0; 1999 JR<sub>109</sub>, 3, 1, 0; 1999 JT<sub>113</sub>, 3, 1, 0; 1999 JA<sub>114</sub>, 3, 1, 0; 1999 JW<sub>114</sub>, 6, 2, 29; 1999 JV<sub>117</sub>, 3, 1, 0; 1999 JP<sub>118</sub>, 3, 1, 0; 1999 JR<sub>120</sub>, 3, 1, 0; 1999 JH<sub>121</sub>, 3, 1, 0; 1999 JO<sub>121</sub>, 9, 2, 2; 1999 JD<sub>122</sub>, 3, 1, 0; 1999 JL<sub>122</sub>, 3, 1, 0; 1999 JW<sub>123</sub>, 3, 1, 0; 1999 JZ<sub>126</sub>, 3, 1, 0; 1999 JC<sub>127</sub>, 6, 2, 29; 1999 JK<sub>130</sub>, 3, 1, 0; 1999 JE<sub>136</sub>, 6, 2, 29; 1999 KH<sub>4</sub>, 3, 1, 0; 1999 KE<sub>7</sub>, 3, 1, 0; 1999 KR<sub>7</sub>, 3, 1, 0; 1999 KL<sub>11</sub>, 3, 1, 0; 1999 KZ<sub>11</sub>, 3, 1, 0; 1999 LA, 3, 1, 0; 1999 LL, 3, 1, 0; 1999 LH<sub>5</sub>, 3, 1, 0; 1999 LK<sub>20</sub>, 3, 1, 0; 1999 LO<sub>20</sub>, 3, 1, 0; 1999 LA<sub>22</sub>, 3, 1, 0; 1999 LP<sub>29</sub>, 3, 1, 0; 1999 LQ<sub>31</sub>, 3, 1, 0; 1999 LO<sub>35</sub>, 6, 2, 52; 1999 MA<sub>1</sub>, 6, 1, 0; 1999 NF, 3, 1, 0; 1999 NH<sub>2</sub>, 3, 1, 0; 1999 NQ<sub>6</sub>, 9, 3, 29; 1999 NC<sub>8</sub>, 3, 1, 0; 1999 ND<sub>8</sub>, 3, 1, 0; 1999 NR<sub>9</sub>, 3, 1, 0; 1999 NP<sub>11</sub>, 3, 1, 0; 1999 NP<sub>12</sub>, 3, 1, 0; 1999 NR<sub>13</sub>, 6, 2, 50; 1999 NN<sub>15</sub>, 6, 2, 1; 1999 NE<sub>18</sub>, 3, 1, 0; 1999 NE<sub>19</sub>, 3, 1, 0; 1999 NC<sub>19</sub>, 6, 2, 29; 1999 NK<sub>22</sub>, 3, 1, 0; 1999 NN<sub>23</sub>, 3, 1, 0; 1999 NR<sub>37</sub>, 6, 2, 27; 1999 NY<sub>39</sub>, 3, 1, 0; 1999 NX<sub>45</sub>, 6, 2, 30; 1999 NC<sub>46</sub>, 3, 1, 0; 1999 NL<sub>46</sub>, 3, 1, 0; 1999 NF<sub>49</sub>, 3, 1, 36; 1999 NX<sub>49</sub>, 6, 2, 4; 1999 NT<sub>50</sub>, 9, 3, 6; 1999 NV<sub>53</sub>, 6, 1, 0; 1999 NH<sub>54</sub>, 3, 1, 0; 1999 NC<sub>56</sub>, 9, 2, 30; 1999 NT<sub>56</sub>, 3, 1, 0; 1999 NX<sub>56</sub>, 9, 2, 8; 1999 NW<sub>57</sub>, 6, 2, 14; 1999 NS<sub>59</sub>, 3, 1, 0; 1999 NV<sub>59</sub>, 6, 2, 16; 1999 NF<sub>61</sub>, 3, 1, 0; 1999 OY<sub>1</sub>, 3, 1, 0; 1999 OZ<sub>1</sub>, 6, 2, 30; 1999 OC<sub>2</sub>, 9, 3, 485; 1999 OS<sub>2</sub>, 3, 1, 0; 1999 OC<sub>3</sub>, 3, 1, 0; 1999 OB, 6, 2, 27; 1999 PL, 12, 3, 25; 1999 PM, 9, 3, 31; 1999 PY<sub>7</sub>, 3, 1, 0; 1999 QW, 6, 2, 28; 1999 QQ<sub>1</sub>, 3, 1, 0; 1999 QV<sub>1</sub>, 3, 1, 0; 1999 QG<sub>2</sub>, 3, 1, 0; 1999 RE<sub>3</sub>, 3, 1, 0; 1999 RN<sub>3</sub>, 3, 1, 0; 1999 RD<sub>4</sub>, 3, 1, 0; 1999 RL<sub>6</sub>, 6, 2, 3; 1999 RG<sub>7</sub>, 3, 1, 0; 1999 RX<sub>8</sub>, 3, 1, 0; 1999 RS<sub>11</sub>, 3, 1, 0; 1999 RD<sub>12</sub>, 3, 1, 0; 1999 RV<sub>13</sub>, 6, 1, 0; 1999 RJ<sub>14</sub>, 12, 4, 32; 1999 RS<sub>14</sub>, 3, 1, 0; 1999 RK<sub>16</sub>, 6, 2, 17; 1999 RB<sub>17</sub>, 3, 1, 0; 1999 RD<sub>17</sub>, 3, 1, 0; 1999 RG<sub>17</sub>, 3, 1, 0; 1999 RL<sub>18</sub>, 3, 1, 0; 1999 RP<sub>18</sub>, 9, 2, 14; 1999 RV<sub>19</sub>, 6, 2, 29; 1999 RD<sub>20</sub>, 9, 3, 29; 1999 RG<sub>20</sub>, 3, 1, 0; 1999 RW<sub>20</sub>, 6, 2, 46; 1999 RV<sub>21</sub>, 3, 1, 0; 1999 RO<sub>22</sub>, 12, 3, 8; 1999 RK<sub>24</sub>, 3, 1, 0; 1999 RM<sub>24</sub>, 6, 2, 17; 1999 RC<sub>25</sub>, 6, 2, 3; 1999 RJ<sub>25</sub>, 6, 1, 0; 1999 RU<sub>25</sub>, 6, 2, 1; 1999 RY<sub>25</sub>, 9, 3, 46; 1999 RM<sub>26</sub>, 3, 1, 0; 1999 RB<sub>27</sub>, 3, 1, 0; 1999 RE<sub>28</sub>, 9, 2, 45; 1999 RT<sub>28</sub>, 3, 1, 0; 1999 RW<sub>28</sub>, 3, 1, 0; 1999 RT<sub>29</sub>, 6, 2, 8; 1999 RG<sub>30</sub>, 6, 2, 1; 1999 RY<sub>32</sub>, 6, 2, 8; 1999 RQ<sub>33</sub>, 6, 2, 30; 1999 RB<sub>34</sub>, 3, 1, 0; 1999 RL<sub>34</sub>, 3, 1, 0; 1999 RA<sub>35</sub>, 3, 1, 0; 1999 RP<sub>35</sub>, 3, 1, 0; 1999 RJ<sub>37</sub>, 9, 2, 2; 1999 RS<sub>37</sub>, 3, 1, 0; 1999 RW<sub>37</sub>, 3, 1, 0; 1999 RZ<sub>38</sub>, 6, 2, 29; 1999 RD<sub>39</sub>, 3, 1, 0; 1999 RC<sub>39</sub>, 3, 1, 0; 1999 RF<sub>42</sub>, 3, 1, 0; 1999 RH<sub>42</sub>, 3, 1, 0; 1999 RY<sub>42</sub>, 6, 2, 21; 1999 RF<sub>44</sub>, 6, 2, 4; 1999 RS<sub>46</sub>, 3, 1, 0; 1999 RN<sub>48</sub>, 3, 1, 0; 1999 RA<sub>49</sub>, 3, 1, 0; 1999 RA<sub>50</sub>, 12, 2, 8; 1999 RQ<sub>50</sub>, 3, 1, 0; 1999 RE<sub>51</sub>, 3, 1, 0; 1999 RO<sub>54</sub>, 3, 1, 0; 1999 RZ<sub>54</sub>, 6, 2, 28; 1999 RB<sub>56</sub>, 3, 1, 0; 1999 RL<sub>57</sub>, 6, 1, 0; 1999 RM<sub>57</sub>, 3, 1, 0; 1999 RB<sub>61</sub>, 3, 1, 0; 1999 RK<sub>66</sub>, 3, 1, 0; 1999 RB<sub>67</sub>, 3, 1, 0; 1999 RO<sub>70</sub>, 3, 1, 0; 1999 RX<sub>70</sub>, 3, 1, 0; 1999 RY<sub>72</sub>, 3, 1, 0; 1999 RK<sub>73</sub>, 3, 1, 0; 1999 RV<sub>75</sub>, 3, 1, 0; 1999 RK<sub>76</sub>, 3, 1, 0; 1999 RE<sub>80</sub>, 3, 1, 0; 1999 RD<sub>81</sub>, 6, 2, 3; 1999 RN<sub>81</sub>, 9, 3, 29; 1999 RT<sub>81</sub>, 3, 1, 0; 1999 RD<sub>82</sub>, 3, 1, 0; 1999 RU<sub>82</sub>, 9, 2, 27; 1999 RH<sub>83</sub>, 9, 2, 5; 1999 RE<sub>84</sub>, 3, 1, 0; 1999 RM<sub>84</sub>, 3, 1, 0; 1999 RT<sub>84</sub>, 6, 1, 0; 1999 RL<sub>85</sub>, 3, 1, 0; 1999 RS<sub>86</sub>, 6, 2, 46; 1999 RF<sub>87</sub>, 6, 2, 4; 1999 RC<sub>88</sub>, 3, 1, 0; 1999 RQ<sub>89</sub>, 9, 3, 46; 1999 RG<sub>90</sub>, 3, 1, 0; 1999 RT<sub>90</sub>, 3, 1, 0; 1999 RU<sub>90</sub>, 3, 1, 0; 1999 RC<sub>91</sub>, 3, 1, 0; 1999 RY<sub>91</sub>, 3, 1, 0; 1999 RC<sub>92</sub>, 3, 1, 0; 1999 RS<sub>94</sub>, 3, 1, 0; 1999 RD<sub>97</sub>, 3, 1, 0; 1999 RM<sub>97</sub>, 6, 2, 31; 1999 RL<sub>102</sub>, 3, 1, 0; 1999 RP<sub>105</sub>, 3, 1, 0; 1999 RU<sub>105</sub>, 3, 1, 0; 1999 RX<sub>105</sub>, 3, 1, 0; 1999 RU<sub>106</sub>, 3, 1, 0; 1999 RY<sub>106</sub>, 6, 2, 28; 1999 RQ<sub>107</sub>, 3, 1, 0;

1999 RP<sub>108</sub>, 3, 1, 0; 1999 RX<sub>108</sub>, 6, 2, 36; 1999 RF<sub>109</sub>, 3, 1, 0; 1999 RQ<sub>109</sub>, 3, 1, 0; 1999 RT<sub>109</sub>, 3, 1, 0; 1999 RC<sub>110</sub>, 6, 2, 29; 1999 RK<sub>110</sub>, 3, 1, 0; 1999 RM<sub>110</sub>, 3, 1, 0; 1999 RO<sub>110</sub>, 3, 1, 0; 1999 RZ<sub>110</sub>, 3, 1, 0; 1999 RA<sub>112</sub>, 6, 2, 30; 1999 RD<sub>113</sub>, 6, 2, 17; 1999 RW<sub>113</sub>, 3, 1, 0; 1999 RU<sub>115</sub>, 3, 1, 0; 1999 RS<sub>117</sub>, 3, 1, 0; 1999 RV<sub>117</sub>, 3, 1, 0; 1999 RM<sub>118</sub>, 3, 1, 0; 1999 RN<sub>118</sub>, 6, 2, 30; 1999 RT<sub>118</sub>, 6, 2, 30; 1999 RJ<sub>120</sub>, 3, 1, 0; 1999 RL<sub>121</sub>, 3, 1, 0; 1999 RG<sub>122</sub>, 3, 1, 0; 1999 RC<sub>124</sub>, 3, 1, 0; 1999 RL<sub>124</sub>, 3, 1, 0; 1999 RM<sub>124</sub>, 9, 2, 17; 1999 RU<sub>124</sub>, 3, 1, 0; 1999 RM<sub>126</sub>, 3, 1, 0; 1999 RC<sub>128</sub>, 6, 2, 14; 1999 RV<sub>130</sub>, 3, 1, 0; 1999 RT<sub>131</sub>, 6, 2, 30; 1999 RQ<sub>132</sub>, 3, 1, 0; 1999 RB<sub>133</sub>, 3, 1, 0; 1999 RZ<sub>133</sub>, 6, 2, 30; 1999 RX<sub>134</sub>, 3, 1, 0; 1999 RB<sub>135</sub>, 3, 1, 0; 1999 RX<sub>135</sub>, 3, 1, 0; 1999 RU<sub>136</sub>, 3, 1, 0; 1999 RV<sub>136</sub>, 3, 1, 0; 1999 RC<sub>138</sub>, 6, 2, 1; 1999 RM<sub>138</sub>, 3, 1, 0; 1999 RN<sub>138</sub>, 6, 2, 2; 1999 RO<sub>138</sub>, 6, 2, 22; 1999 RR<sub>138</sub>, 3, 1, 0; 1999 RQ<sub>142</sub>, 12, 3, 29; 1999 RQ<sub>143</sub>, 6, 1, 0; 1999 RP<sub>144</sub>, 9, 2, 1; 1999 RM<sub>145</sub>, 6, 1, 0; 1999 RS<sub>145</sub>, 3, 1, 0; 1999 RW<sub>145</sub>, 3, 1, 0; 1999 RA<sub>147</sub>, 3, 1, 0; 1999 RV<sub>150</sub>, 6, 2, 17; 1999 RL<sub>152</sub>, 3, 1, 0; 1999 RR<sub>152</sub>, 3, 1, 0; 1999 RX<sub>152</sub>, 3, 1, 0; 1999 RD<sub>153</sub>, 3, 1, 0; 1999 RS<sub>153</sub>, 9, 2, 30; 1999 RB<sub>156</sub>, 3, 1, 0; 1999 RW<sub>158</sub>, 6, 2, 6; 1999 RQ<sub>159</sub>, 12, 4, 504; 1999 RM<sub>161</sub>, 3, 1, 0; 1999 RB<sub>163</sub>, 6, 2, 35; 1999 RS<sub>163</sub>, 3, 1, 0; 1999 RC<sub>164</sub>, 3, 1, 0; 1999 RZ<sub>164</sub>, 3, 1, 0; 1999 RW<sub>165</sub>, 3, 1, 0; 1999 RV<sub>166</sub>, 3, 1, 0; 1999 RX<sub>166</sub>, 3, 1, 0; 1999 RL<sub>170</sub>, 3, 1, 0; 1999 RW<sub>170</sub>, 6, 1, 0; 1999 RY<sub>170</sub>, 3, 1, 0; 1999 RD<sub>171</sub>, 6, 2, 29; 1999 RT<sub>171</sub>, 3, 1, 0; 1999 RU<sub>173</sub>, 3, 1, 0; 1999 RJ<sub>174</sub>, 3, 1, 0; 1999 RT<sub>174</sub>, 3, 1, 0; 1999 RU<sub>174</sub>, 3, 1, 0; 1999 RC<sub>178</sub>, 3, 1, 0; 1999 RU<sub>178</sub>, 6, 2, 29; 1999 RO<sub>180</sub>, 3, 1, 0; 1999 RR<sub>180</sub>, 6, 2, 17; 1999 RA<sub>181</sub>, 6, 2, 28; 1999 RW<sub>182</sub>, 9, 3, 29; 1999 RM<sub>184</sub>, 3, 1, 0; 1999 RB<sub>185</sub>, 6, 1, 0; 1999 RJ<sub>185</sub>, 6, 2, 52; 1999 RE<sub>186</sub>, 6, 2, 29; 1999 RM<sub>186</sub>, 3, 1, 0; 1999 RD<sub>187</sub>, 3, 1, 0; 1999 RH<sub>187</sub>, 9, 2, 29; 1999 RT<sub>187</sub>, 3, 1, 0; 1999 RV<sub>188</sub>, 3, 1, 0; 1999 RB<sub>194</sub>, 9, 2, 28; 1999 RU<sub>194</sub>, 3, 1, 0; 1999 RW<sub>196</sub>, 3, 1, 0; 1999 RN<sub>197</sub>, 6, 2, 1; 1999 RV<sub>198</sub>, 3, 1, 0; 1999 RC<sub>198</sub>, 6, 2, 37; 1999 RZ<sub>198</sub>, 3, 1, 0; 1999 RG<sub>199</sub>, 3, 1, 0; 1999 RR<sub>199</sub>, 3, 1, 0; 1999 RD<sub>200</sub>, 6, 2, 4; 1999 RE<sub>200</sub>, 3, 1, 0; 1999 RK<sub>200</sub>, 3, 1, 0; 1999 RV<sub>200</sub>, 9, 3, 39; 1999 RT<sub>201</sub>, 6, 2, 7; 1999 RV<sub>201</sub>, 6, 2, 8; 1999 RX<sub>201</sub>, 6, 2, 27; 1999 RC<sub>202</sub>, 3, 1, 0; 1999 RW<sub>202</sub>, 3, 1, 0; 1999 RE<sub>203</sub>, 3, 1, 0; 1999 RQ<sub>203</sub>, 3, 1, 0; 1999 RA<sub>204</sub>, 3, 1, 0; 1999 RL<sub>204</sub>, 9, 2, 8; 1999 RE<sub>205</sub>, 3, 1, 0; 1999 RH<sub>205</sub>, 3, 1, 0; 1999 RL<sub>205</sub>, 3, 1, 0; 1999 RP<sub>205</sub>, 3, 1, 0; 1999 RZ<sub>207</sub>, 6, 1, 0; 1999 RF<sub>208</sub>, 3, 1, 0; 1999 RG<sub>208</sub>, 9, 2, 1; 1999 RH<sub>208</sub>, 6, 2, 2; 1999 RJ<sub>208</sub>, 3, 1, 0; 1999 RS<sub>208</sub>, 3, 1, 0; 1999 RP<sub>209</sub>, 3, 1, 0; 1999 RT<sub>209</sub>, 3, 1, 0; 1999 RU<sub>209</sub>, 3, 1, 0; 1999 RV<sub>210</sub>, 3, 1, 0; 1999 RB<sub>212</sub>, 3, 1, 0; 1999 RJ<sub>212</sub>, 6, 2, 3; 1999 RR<sub>212</sub>, 6, 2, 3; 1999 RC<sub>213</sub>, 3, 1, 0; 1999 RF<sub>214</sub>, 3, 1, 0; 1999 RQ<sub>219</sub>, 6, 2, 28; 1999 RT<sub>221</sub>, 3, 1, 0; 1999 RC<sub>224</sub>, 3, 1, 0; 1999 RQ<sub>225</sub>, 3, 1, 0; 1999 RC<sub>226</sub>, 14, 5, 38; 1999 RW<sub>229</sub>, 3, 1, 0; 1999 RN<sub>230</sub>, 3, 1, 0; 1999 RP<sub>230</sub>, 3, 1, 0; 1999 RN<sub>232</sub>, 6, 2, 29; 1999 RO<sub>234</sub>, 3, 1, 0; 1999 RX<sub>234</sub>, 3, 1, 0; 1999 RY<sub>234</sub>, 6, 2, 29; 1999 RD<sub>238</sub>, 3, 1, 0; 1999 RK<sub>238</sub>, 3, 1, 0; 1999 RQ<sub>238</sub>, 3, 1, 0; 1999 RX<sub>238</sub>, 3, 1, 0; 1999 RH<sub>239</sub>, 3, 1, 0; 1999 RQ<sub>239</sub>, 3, 1, 0; 1999 RF<sub>240</sub>, 3, 1, 0; 1999 RQ<sub>240</sub>, 3, 1, 0; 1999 RV<sub>241</sub>, 3, 1, 0; 1999 RV<sub>241</sub>, 3, 1, 0; 1999 RU<sub>242</sub>, 3, 1, 0; 1999 RY<sub>242</sub>, 6, 1, 0; 1999 RZ<sub>245</sub>, 3, 1, 0; 1999 RN<sub>246</sub>, 6, 2, 29; 1999 RO<sub>246</sub>, 6, 2, 30; 1999 RN<sub>249</sub>, 6, 1, 0; 1999 RQ<sub>252</sub>, 3, 1, 0; 1999 RZ<sub>252</sub>, 3, 1, 0; 1999 RC<sub>253</sub>, 6, 1, 0; 1999 RS<sub>254</sub>, 3, 1, 0; 1999 RH<sub>258</sub>, 3, 1, 0; 1999 SE<sub>1</sub>, 3, 1, 0; 1999 SQ<sub>1</sub>, 6, 1, 0; 1999 SD<sub>3</sub>, 9, 2, 8; 1999 SP<sub>3</sub>, 6, 2, 35; 1999 SV<sub>4</sub>, 12, 3, 39; 1999 SE<sub>7</sub>, 6, 2, 12; 1999 SK<sub>9</sub>, 3, 1, 0; 1999 SF<sub>12</sub>, 3, 1, 0; 1999 SN<sub>13</sub>, 3, 1, 0; 1999 SH<sub>15</sub>, 6, 2, 30; 1999 SJ<sub>15</sub>, 3, 1, 0; 1999 SE<sub>16</sub>, 3, 1, 0; 1999 SM<sub>19</sub>, 12, 3, 52; 1999 SJ<sub>26</sub>, 6, 2, 48; 1999 SO<sub>27</sub>, 6, 1, 0; 1999 TL<sub>1</sub>, 3, 1, 0; 1999 TH<sub>2</sub>, 3, 1, 0; 1999 TH<sub>4</sub>, 3, 1, 0; 1999 TX<sub>4</sub>, 3, 1, 0; 1999 TX<sub>6</sub>, 3, 1, 0; 1999 TB<sub>9</sub>, 3, 1, 0; 1999 TE<sub>10</sub>, 3, 1, 0; 1999 TB<sub>13</sub>, 6, 1, 0; 1999 TK<sub>13</sub>, 3, 1, 0; 1999 TN<sub>14</sub>, 3, 1, 0; 1999 TE<sub>15</sub>, 6, 2, 28; 1999 TG<sub>15</sub>, 3, 1, 0; 1999 TR

1999 TN<sub>151</sub>, 3, 1, 0; 1999 TY<sub>151</sub>, 3, 1, 0; 1999 TH<sub>152</sub>, 6, 2, 29; 1999 TF<sub>153</sub>, 3, 1, 0; 1999 TJ<sub>153</sub>, 3, 1, 0; 1999 TY<sub>153</sub>, 3, 1, 0; 1999 TZ<sub>153</sub>, 3, 1, 0; 1999 TP<sub>156</sub>, 3, 1, 0; 1999 TF<sub>157</sub>, 3, 1, 0; 1999 TK<sub>158</sub>, 3, 1, 0; 1999 TY<sub>158</sub>, 3, 1, 0; 1999 TN<sub>164</sub>, 3, 1, 0; 1999 TZ<sub>164</sub>, 6, 2, 18; 1999 TD<sub>167</sub>, 6, 2, 3; 1999 TU<sub>168</sub>, 3, 1, 0; 1999 TH<sub>169</sub>, 3, 1, 0; 1999 TE<sub>170</sub>, 3, 1, 0; 1999 TF<sub>170</sub>, 6, 2, 3; 1999 TG<sub>170</sub>, 3, 1, 0; 1999 TQ<sub>173</sub>, 6, 1, 0; 1999 TZ<sub>173</sub>, 9, 2, 28; 1999 TA<sub>175</sub>, 3, 1, 0; 1999 TT<sub>175</sub>, 3, 1, 0; 1999 TY<sub>175</sub>, 3, 1, 0; 1999 TE<sub>177</sub>, 3, 1, 0; 1999 TV<sub>178</sub>, 6, 2, 19; 1999 TX<sub>178</sub>, 9, 3, 32; 1999 TT<sub>180</sub>, 3, 1, 0; 1999 TZ<sub>183</sub>, 3, 1, 0; 1999 TM<sub>184</sub>, 3, 1, 0; 1999 TO<sub>184</sub>, 3, 1, 0; 1999 TZ<sub>184</sub>, 3, 1, 0; 1999 TF<sub>185</sub>, 3, 1, 0; 1999 TL<sub>185</sub>, 3, 1, 0; 1999 TM<sub>185</sub>, 10, 4, 34; 1999 TV<sub>185</sub>, 6, 2, 7; 1999 TC<sub>186</sub>, 3, 1, 0; 1999 TR<sub>186</sub>, 3, 1, 0; 1999 TE<sub>187</sub>, 3, 1, 0; 1999 TF<sub>187</sub>, 3, 1, 0; 1999 TR<sub>187</sub>, 6, 2, 2; 1999 TX<sub>187</sub>, 3, 1, 0; 1999 TG<sub>188</sub>, 3, 1, 0; 1999 TA<sub>189</sub>, 3, 1, 0; 1999 TZ<sub>189</sub>, 3, 1, 0; 1999 TA<sub>190</sub>, 3, 1, 0; 1999 TE<sub>190</sub>, 9, 2, 30; 1999 TR<sub>190</sub>, 3, 1, 0; 1999 TN<sub>191</sub>, 6, 2, 437; 1999 TV<sub>192</sub>, 3, 1, 0; 1999 TB<sub>193</sub>, 3, 1, 0; 1999 TD<sub>193</sub>, 3, 1, 0; 1999 TK<sub>193</sub>, 3, 1, 0; 1999 TL<sub>194</sub>, 3, 1, 0; 1999 TT<sub>194</sub>, 6, 1, 0; 1999 TB<sub>195</sub>, 3, 1, 0; 1999 TC<sub>195</sub>, 3, 1, 0; 1999 TG<sub>197</sub>, 3, 1, 0; 1999 TG<sub>201</sub>, 3, 1, 0; 1999 TQ<sub>201</sub>, 3, 1, 0; 1999 TO<sub>202</sub>, 6, 2, 5; 1999 TM<sub>205</sub>, 3, 1, 0; 1999 TE<sub>209</sub>, 3, 1, 0; 1999 TX<sub>209</sub>, 3, 1, 0; 1999 TH<sub>210</sub>, 3, 1, 0; 1999 TL<sub>212</sub>, 3, 1, 0; 1999 TT<sub>212</sub>, 3, 1, 0; 1999 TK<sub>213</sub>, 12, 4, 39; 1999 TF<sub>214</sub>, 3, 1, 0; 1999 TP<sub>214</sub>, 3, 1, 0; 1999 TO<sub>215</sub>, 3, 1, 0; 1999 TE<sub>217</sub>, 3, 1, 0; 1999 TH<sub>217</sub>, 3, 1, 0; 1999 TE<sub>218</sub>, 3, 1, 0; 1999 TT<sub>219</sub>, 3, 1, 0; 1999 TB<sub>220</sub>, 6, 2, 28; 1999 TF<sub>220</sub>, 3, 1, 0; 1999 TN<sub>220</sub>, 3, 1, 0; 1999 TA<sub>221</sub>, 3, 1, 0; 1999 TD<sub>221</sub>, 6, 2, 17; 1999 TL<sub>221</sub>, 6, 2, 32; 1999 TS<sub>221</sub>, 3, 1, 0; 1999 TU<sub>221</sub>, 6, 2, 13; 1999 TW<sub>223</sub>, 3, 1, 0; 1999 TY<sub>223</sub>, 6, 2, 1; 1999 TE<sub>225</sub>, 3, 1, 0; 1999 TR<sub>228</sub>, 3, 1, 0; 1999 TX<sub>228</sub>, 3, 1, 0; 1999 TH<sub>230</sub>, 3, 1, 0; 1999 TS<sub>231</sub>, 3, 1, 0; 1999 TF<sub>233</sub>, 3, 1, 0; 1999 TH<sub>233</sub>, 3, 1, 0; 1999 TM<sub>233</sub>, 6, 2, 36; 1999 TT<sub>233</sub>, 6, 2, 1; 1999 TU<sub>236</sub>, 3, 1, 0; 1999 TV<sub>237</sub>, 19, 7, 40; 1999 TX<sub>240</sub>, 6, 2, 46; 1999 TJ<sub>244</sub>, 3, 1, 0; 1999 TS<sub>246</sub>, 2, 1, 0; 1999 TN<sub>248</sub>, 3, 1, 0; 1999 TP<sub>248</sub>, 3, 1, 0; 1999 TV<sub>248</sub>, 6, 2, 475; 1999 TZ<sub>248</sub>, 3, 1, 0; 1999 TL<sub>252</sub>, 3, 1, 0; 1999 TJ<sub>256</sub>, 3, 1, 0; 1999 TS<sub>256</sub>, 6, 2, 5; 1999 TD<sub>259</sub>, 3, 1, 0; 1999 TR<sub>262</sub>, 3, 1, 0; 1999 TS<sub>262</sub>, 3, 1, 0; 1999 TJ<sub>265</sub>, 3, 1, 0; 1999 TQ<sub>265</sub>, 3, 1, 0; 1999 TW<sub>265</sub>, 3, 1, 0; 1999 TE<sub>265</sub>, 3, 1, 0; 1999 TB<sub>266</sub>, 3, 1, 0; 1999 TG<sub>267</sub>, 3, 1, 0; 1999 TT<sub>267</sub>, 6, 2, 3; 1999 TG<sub>268</sub>, 6, 2, 4; 1999 TB<sub>270</sub>, 3, 1, 0; 1999 TF<sub>270</sub>, 3, 1, 0; 1999 TL<sub>270</sub>, 6, 2, 37; 1999 TG<sub>271</sub>, 6, 2, 1; 1999 TH<sub>271</sub>, 6, 2, 18; 1999 TH<sub>272</sub>, 3, 1, 0; 1999 TQ<sub>273</sub>, 9, 3, 470; 1999 TG<sub>279</sub>, 3, 1, 0; 1999 TJ<sub>279</sub>, 9, 2, 30; 1999 TZ<sub>279</sub>, 3, 1, 0; 1999 TE<sub>281</sub>, 3, 1, 0; 1999 TC<sub>286</sub>, 6, 2, 3; 1999 TW<sub>286</sub>, 3, 1, 0; 1999 TD<sub>288</sub>, 3, 1, 0; 1999 TU<sub>288</sub>, 3, 1, 0; 1999 TX<sub>288</sub>, 6, 2, 27; 1999 TM<sub>289</sub>, 3, 1, 0; 1999 TT<sub>289</sub>, 3, 1, 0; 1999 TJ<sub>291</sub>, 3, 1, 0; 1999 TR<sub>292</sub>, 3, 1, 0; 1999 TA<sub>300</sub>, 3, 1, 0; 1999 TR<sub>305</sub>, 6, 2, 2; 1999 TZ<sub>309</sub>, 6, 1, 0; 1999 TR<sub>322</sub>, 6, 1, 0; 1999 TA<sub>323</sub>, 3, 1, 0; 1999 UJ<sub>1</sub>, 3, 1, 0; 1999 UQ<sub>1</sub>, 6, 2, 18; 1999 UB<sub>2</sub>, 3, 1, 0; 1999 US<sub>3</sub>, 3, 1, 0; 1999 UV<sub>3</sub>, 3, 1, 0; 1999 UF<sub>4</sub>, 6, 2, 29; 1999 UU<sub>4</sub>, 3, 1, 0; 1999 UL<sub>6</sub>, 6, 2, 6; 1999 UE<sub>7</sub>, 3, 1, 0; 1999 UE<sub>8</sub>, 3, 1, 0; 1999 UL<sub>10</sub>, 3, 1, 0; 1999 UH<sub>11</sub>, 6, 2, 5; 1999 UQ<sub>11</sub>, 3, 1, 0; 1999 UX<sub>12</sub>, 3, 1, 0; 1999 UQ<sub>13</sub>, 3, 1, 0; 1999 UO<sub>14</sub>, 3, 1, 0; 1999 UR<sub>15</sub>, 3, 1, 0; 1999 UZ<sub>15</sub>, 3, 1, 0; 1999 UT<sub>16</sub>, 3, 1, 0; 1999 UF<sub>23</sub>, 6, 1, 0; 1999 UA<sub>25</sub>, 3, 1, 0; 1999 UW<sub>25</sub>, 6, 2, 2; 1999 UZ<sub>27</sub>, 3, 1, 0; 1999 UU<sub>29</sub>, 3, 1, 0; 1999 UF<sub>30</sub>, 6, 1, 0; 1999 UY<sub>32</sub>, 12, 4, 33; 1999 US<sub>33</sub>, 6, 2, 442; 1999 UX<sub>36</sub>, 3, 1, 0; 1999 UN<sub>38</sub>, 3, 1, 0; 1999 UK<sub>40</sub>, 3, 1, 0; 1999 UO<sub>43</sub>, 3, 1, 0; 1999 UB<sub>44</sub>, 3, 1, 0; 1999 UD<sub>45</sub>, 3, 1, 0; 1999 UE<sub>45</sub>, 6, 2, 30; 1999 UJ<sub>45</sub>, 3, 1, 0; 1999 UF<sub>45</sub>, 6, 2, 3; 1999 US<sub>46</sub>, 3, 1, 0; 1999 UT<sub>46</sub>, 9, 2, 26; 1999 US<sub>48</sub>, 3, 1, 0; 1999 UF<sub>49</sub>, 12, 3, 29; 1999 UB<sub>50</sub>, 3, 1, 0; 1999 UD<sub>50</sub>, 12, 3, 6; 1999 UG<sub>51</sub>, 3, 1, 0; 1999 UU<sub>51</sub>, 3, 1, 0; 1999 UF<sub>52</sub>, 3, 1, 0; 1999 VG<sub>3</sub>, 3, 1, 0; 1999 VY<sub>3</sub>, 3, 1, 0; 1999 VV<sub>2</sub>, 6, 2, 2; 1999 VW<sub>2</sub>, 3, 1, 0; 1999 VC<sub>8</sub>, 3, 1, 0; 1999 VM<sub>8</sub>, 6, 2, 46; 1999 VA<sub>10</sub>, 3, 1, 0; 1999 VA<sub>11</sub>, 3, 1, 0; 1999 VF<sub>11</sub>, 3, 1, 0; 1999 VH<sub>11</sub>, 3, 1, 0; 1999 VG<sub>18</sub>, 6, 2, 34; 1999 VA<sub>19</sub>, 3, 1, 0; 1999 VL<sub>21</sub>, 3, 1, 0; 1999 VT<sub>21</sub>, 3, 1, 0; 1999 VM<sub>22</sub>, 3, 1, 0; 1999 VO<sub>27</sub>, 3, 1, 0; 1999 VQ<sub>30</sub>, 6, 2, 36; 1999 VY<sub>30</sub>, 12, 3, 13; 1999 VP<sub>33</sub>, 3, 1, 0; 1999 VR<sub>35</sub>, 6, 2, 47; 1999 VV<sub>35</sub>, 3, 1, 0; 1999 VT<sub>36</sub>, 9, 3, 20; 1999 VT<sub>41</sub>, 3, 1, 0; 1999 VM<sub>43</sub>, 3, 1, 0; 1999 VR<sub>43</sub>, 3, 1, 0; 1999 VS<sub>43</sub>, 3, 1, 0; 1999 VS<sub>44</sub>, 3, 1, 0; 1999 VR<sub>45</sub>, 3, 1, 0; 1999 VM<sub>47</sub>, 3, 1, 0; 1999 VN<sub>47</sub>, 3, 1, 0; 1999 VT<sub>47</sub>, 3, 1, 0; 1999 VJ<sub>50</sub>, 3, 1, 0; 1999 VM<sub>51</sub>, 3, 1, 0; 1999 VY<sub>52</sub>, 6, 2, 5; 1999 VZ<sub>53</sub>, 3, 1, 0; 1999 VC<sub>54</sub>, 3, 1, 0; 1999 VC<sub>55</sub>, 3, 1, 0; 1999 VE<sub>56</sub>, 3, 1, 0; 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1999 VZ<sub>81</sub>, 3, 1, 0; 1999 VR<sub>82</sub>, 3, 1, 0; 1999 VE<sub>84</sub>, 6, 2, 28; 1999 VO<sub>84</sub>, 2, 1, 0; 1999 VN<sub>87</sub>, 6, 2, 34; 1999 VD<sub>89</sub>, 3, 1, 0; 1999 VF<sub>90</sub>, 6, 1, 0; 1999 VS<sub>90</sub>, 6, 2, 6; 1999 VU<sub>90</sub>, 3, 1, 0; 1999 VL<sub>91</sub>, 3, 1, 0; 1999 VS<sub>91</sub>, 3, 1, 0; 1999 VZ<sub>91</sub>, 3, 1, 0; 1999 VA<sub>94</sub>, 3, 1, 0; 1999 VE<sub>94</sub>, 9, 3, 27; 1999 VG<sub>94</sub>, 3, 1, 0; 1999 VJ<sub>97</sub>, 3, 1, 0; 1999 VO<sub>98</sub>, 3, 1, 0; 1999 VS<sub>98</sub>, 3, 1, 0; 1999 VO<sub>99</sub>, 9, 3, 36; 1999 VT<sub>99</sub>, 3, 1, 0; 1999 VN<sub>104</sub>, 6, 2, 17; 1999 VU<sub>108</sub>, 3, 1, 0; 1999 VX<sub>108</sub>, 3, 1, 0; 1999 VN<sub>110</sub>, 3, 1, 0; 1999 VP<sub>112</sub>, 3, 1, 0; 1999 VK<sub>113</sub>, 3, 1, 0; 1999 VY<sub>113</sub>, 3, 1, 0; 1999 VZ<sub>113</sub>, 3, 1, 0; 1999 VS<sub>114</sub>, 3, 1, 0; 1999 VG<sub>115</sub>, 3, 1, 0; 1999 VP<sub>115</sub>, 3, 1, 0; 1999 VR<sub>120</sub>, 6, 2, 28; 1999 VW<sub>125</sub>, 3, 1, 0; 1999 VO<sub>126</sub>, 3, 1, 0; 1999 VL<sub>139</sub>, 3, 1, 0; 1999 VX<sub>143</sub>, 6, 2, 8; 1999 VK<sub>144</sub>, 3, 1, 0; 1999 VU<sub>146</sub>, 12, 5, 28; 1999 VK<sub>147</sub>, 9, 3, 36; 1999 VA<sub>148</sub>, 3, 1, 0; 1999 VM<sub>148</sub>, 3, 1, 0; 1999 VQ<sub>148</sub>, 3, 1, 0; 1999 VA<sub>150</sub>, 3, 1, 0; 1999 VW<sub>152</sub>, 3, 1, 0; 1999 VH<sub>155</sub>, 3, 1, 0; 1999 VM<sub>155</sub>, 6, 2, 17; 1999 VV<sub>155</sub>, 3, 1, 0; 1999 VD<sub>157</sub>, 3, 1, 0; 1999 VM<sub>157</sub>, 3, 1, 0; 1999 VJ<sub>158</sub>, 3, 1, 0; 1999 VA<sub>159</sub>, 3, 1, 0; 1999 VW<sub>159</sub>, 6, 2, 3; 1999 VR<sub>161</sub>, 3, 1, 0; 1999 VB<sub>162</sub>, 6, 2, 21; 1999 VJ<sub>162</sub>, 9, 3, 31; 1999 VP<sub>162</sub>, 3, 1, 0; 1999 VY<sub>162</sub>, 3, 1, 0; 1999 VD<sub>163</sub>, 6, 2, 17; 1999 VF<sub>163</sub>, 3, 1, 0; 1999 VW<sub>165</sub>, 15, 5, 29;

1999 VZ<sub>165</sub>, 9, 3, 28; 1999 VP<sub>166</sub>, 6, 2, 39; 1999 VT<sub>166</sub>, 3, 1, 0; 1999 VH<sub>167</sub>, 3, 1, 0; 1999 VQ<sub>168</sub>, 6, 2, 2; 1999 VY<sub>168</sub>, 3, 1, 0; 1999 VF<sub>169</sub>, 6, 2, 31; 1999 VK<sub>170</sub>, 3, 1, 0; 1999 VA<sub>174</sub>, 3, 1, 0; 1999 VH<sub>174</sub>, 3, 1, 0; 1999 VH<sub>175</sub>, 3, 1, 0; 1999 VP<sub>176</sub>, 3, 1, 0; 1999 VR<sub>176</sub>, 3, 1, 0; 1999 VY<sub>176</sub>, 3, 1, 0; 1999 VA<sub>177</sub>, 9, 3, 9; 1999 VC<sub>177</sub>, 3, 1, 0; 1999 VN<sub>178</sub>, 3, 1, 0; 1999 VY<sub>178</sub>, 3, 1, 0; 1999 VB<sub>180</sub>, 3, 1, 0; 1999 VR<sub>181</sub>, 3, 1, 0; 1999 VT<sub>181</sub>, 3, 1, 0; 1999 VR<sub>183</sub>, 3, 1, 0; 1999 VC<sub>184</sub>, 6, 1, 0; 1999 VB<sub>186</sub>, 6, 1, 0; 1999 VL<sub>186</sub>, 9, 3, 30; 1999 VY<sub>186</sub>, 3, 1, 0; 1999 VR<sub>187</sub>, 3, 1, 0; 1999 VT<sub>187</sub>, 3, 1, 0; 1999 VO<sub>188</sub>, 3, 1, 0; 1999 VY<sub>189</sub>, 6, 2, 28; 1999 VZ<sub>190</sub>, 3, 1, 0; 1999 VH<sub>192</sub>, 9, 1, 0; 1999 VR<sub>193</sub>, 6, 1, 0; 1999 VP<sub>194</sub>, 3, 1, 0; 1999 VZ<sub>194</sub>, 6, 2, 28; 1999 VE<sub>195</sub>, 3, 1, 0; 1999 VS<sub>196</sub>, 3, 1, 0; 1999 VV<sub>196</sub>, 3, 1, 0; 1999 VY<sub>196</sub>, 3, 1, 0; 1999 VP<sub>199</sub>, 6, 2, 29; 1999 VQ<sub>199</sub>, 6, 2, 32; 1999 VS<sub>199</sub>, 3, 1, 0; 1999 VG<sub>200</sub>, 3, 1, 0; 1999 VG<sub>201</sub>, 3, 1, 0; 1999 VX<sub>201</sub>, 3, 1, 0; 1999 VL<sub>208</sub>, 6, 2, 16; 1999 VV<sub>210</sub>, 3, 1, 0; 1999 VS<sub>211</sub>, 3, 1, 0; 1999 VM<sub>213</sub>, 3, 1, 0; 1999 VO<sub>216</sub>, 6, 1, 0; 1999 VN<sub>222</sub>, 3, 1, 0; 1999 VQ<sub>223</sub>, 3, 1, 0; 1999 VA<sub>224</sub>, 6, 2, 29; 1999 VH<sub>224</sub>, 3, 1, 0; 1999 VX<sub>224</sub>, 3, 1, 0; 1999 WZ<sub>1</sub>, 6, 2, 1; 1999 WG<sub>3</sub>, 3, 1, 0; 1999 WS<sub>5</sub>, 3, 1, 0; 1999 WB<sub>6</sub>, 3, 1, 0; 1999 WZ<sub>10</sub>, 3, 1, 0; 1999 WE<sub>11</sub>, 3, 1, 0; 1999 WJ<sub>12</sub>, 3, 1, 0; 1999 WR<sub>12</sub>, 3, 1, 0; 1999 WS<sub>12</sub>, 3, 1, 0; 1999 WV<sub>12</sub>, 3, 1, 0; 1999 WA<sub>13</sub>, 6, 2, 2; 1999 WT<sub>14</sub>, 3, 1, 0; 1999 WL<sub>15</sub>, 3, 1, 0; 1999 WF<sub>17</sub>, 6, 1, 0; 1999 WE<sub>19</sub>, 3, 1, 0; 1999 XA<sub>1</sub>, 3, 1, 0; 1999 XU<sub>1</sub>, 3, 1, 0; 1999 XZ<sub>1</sub>, 3, 1, 0; 1999 XN<sub>5</sub>, 3, 1, 0; 1999 XL<sub>9</sub>, 12, 3, 8; 1999 XJ<sub>11</sub>, 3, 1, 0; 1999 XN<sub>13</sub>, 3, 1, 0; 1999 XD<sub>18</sub>, 6, 2, 4; 1999 XF<sub>19</sub>, 3, 1, 0; 1999 XM<sub>19</sub>, 6, 2, 4; 1999 XV<sub>19</sub>, 3, 1, 0; 1999 XA<sub>20</sub>, 3, 1, 0; 1999 XV<sub>20</sub>, 3, 1, 0; 1999 XM<sub>21</sub>, 3, 1, 0; 1999 XO<sub>21</sub>, 3, 1, 0; 1999 XA<sub>22</sub>, 3, 1, 0; 1999 XS<sub>23</sub>, 3, 1, 0; 1999 XX<sub>25</sub>, 6, 2, 27; 1999 XB<sub>27</sub>, 3, 1, 0; 1999 XJ<sub>27</sub>, 3, 1, 0; 1999 XY<sub>27</sub>, 3, 1, 0; 1999 XE<sub>28</sub>, 3, 1, 0; 1999 XK<sub>28</sub>, 14, 5, 46; 1999 XA<sub>29</sub>, 3, 1, 0; 1999 XD<sub>29</sub>, 3, 1, 0; 1999 XP<sub>30</sub>, 6, 2, 28; 1999 XX<sub>36</sub>, 3, 1, 0; 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1999 XY<sub>133</sub>, 3, 1, 0

1, 0; 2000 AG<sub>35</sub>, 3, 1, 0; 2000 AV<sub>38</sub>, 2, 1, 0; 2000 AX<sub>39</sub>, 3, 1, 0; 2000 AH<sub>43</sub>, 3, 1, 0; 2000 AY<sub>45</sub>, 3, 1, 0; 2000 AA<sub>46</sub>, 3, 1, 0; 2000 AH<sub>46</sub>, 6, 2, 461; 2000 AC<sub>47</sub>, 3, 1, 0; 2000 AN<sub>51</sub>, 3, 1, 0; 2000 AC<sub>52</sub>, 6, 2, 29; 2000 AF<sub>52</sub>, 3, 1, 0; 2000 AM<sub>52</sub>, 6, 1, 0; 2000 AO<sub>52</sub>, 6, 2, 31; 2000 AT<sub>52</sub>, 3, 1, 0; 2000 AY<sub>52</sub>, 9, 3, 45; 2000 AZ<sub>52</sub>, 3, 1, 0; 2000 AV<sub>53</sub>, 3, 1, 0; 2000 AS<sub>54</sub>, 3, 1, 0; 2000 AV<sub>54</sub>, 3, 1, 0; 2000 AS<sub>55</sub>, 3, 1, 0; 2000 AY<sub>56</sub>, 17, 6, 39; 2000 AK<sub>57</sub>, 3, 1, 0; 2000 AE<sub>59</sub>, 3, 1, 0; 2000 AA<sub>60</sub>, 6, 2, 6; 2000 AB<sub>62</sub>, 3, 1, 0; 2000 AC<sub>62</sub>, 6, 2, 29; 2000 AY<sub>62</sub>, 3, 1, 0; 2000 AE<sub>63</sub>, 3, 1, 0; 2000 AU<sub>67</sub>, 9, 3, 30; 2000 AE<sub>70</sub>, 6, 2, 2; 2000 AV<sub>71</sub>, 3, 1, 0; 2000 AO<sub>72</sub>, 3, 1, 0; 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2000 QW<sub>186</sub>, 6, 1, 0; 2000 QF<sub>187</sub>, 6, 2, 12; 2000 QY<sub>188</sub>, 3, 1, 0; 2000 QG<sub>190</sub>, 3, 1, 0; 2000 QU<sub>194</sub>, 3, 1, 0; 2000 QN<sub>202</sub>, 3, 1, 0; 2000 QE<sub>203</sub>, 3, 1, 0; 2000 QV<sub>203</sub>, 3, 1, 0; 2000 QX<sub>203</sub>, 3, 1, 0; 2000 QT<sub>206</sub>, 3, 1, 0; 2000 QG<sub>208</sub>, 3, 1, 0; 2000 QJ<sub>209</sub>, 3, 1, 0; 2000 QW<sub>210</sub>, 2, 1, 0; 2000 QK<sub>214</sub>, 3, 1, 0; 2000 QS<sub>215</sub>, 3, 1, 0; 2000 QB<sub>218</sub>, 3, 1, 0; 2000 QF<sub>224</sub>, 3, 1, 0; 2000 QW<sub>227</sub>, 6, 2, 16; 2000 QZ<sub>228</sub>, 3, 1, 0; 2000 QW<sub>231</sub>, 3, 1, 0; 2000 QG<sub>249</sub>, 3, 1, 0; 2000 RX<sub>6</sub>, 2, 17; 2000 RP<sub>1</sub>, 3, 1, 0; 2000 RD<sub>6</sub>, 3, 1, 0; 2000 RT<sub>6</sub>, 3, 1, 0; 2000 RL<sub>7</sub>, 9, 2, 48; 2000 RY<sub>7</sub>, 3, 1, 0; 2000 RM<sub>9</sub>, 2, 17; 2000 RF<sub>10</sub>, 6, 2, 1; 2000 RR<sub>10</sub>, 3, 1, 0; 2000 RG<sub>11</sub>, 9, 3, 29; 2000 RM<sub>11</sub>, 3, 1, 0; 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3, 1, 0; 2000 SB<sub>300</sub>, 3, 1, 0; 2000 SN<sub>300</sub>, 6, 2, 28; 2000 SR<sub>301</sub>, 3, 1, 0; 2000 SX<sub>306</sub>, 6, 1, 0; 2000 SM<sub>307</sub>, 3, 1, 0; 2000 SO<sub>307</sub>, 3, 1, 0; 2000 SE<sub>308</sub>, 3, 1, 0; 2000 SP<sub>308</sub>, 3, 1, 0; 2000 SV<sub>308</sub>, 3, 1, 0; 2000 SY<sub>308</sub>, 3, 1, 0; 2000 SF<sub>310</sub>, 3, 1, 0; 2000 SL<sub>318</sub>, 3, 1, 0; 2000 SY<sub>320</sub>, 9, 3, 7; 2000 SW<sub>323</sub>, 3, 1, 0; 2000 SU<sub>324</sub>, 3, 1, 0; 2000 SJ<sub>330</sub>, 3, 1, 0; 2000 SK<sub>333</sub>, 3, 1, 0; 2000 SZ<sub>334</sub>, 3, 1, 0; 2000 SK<sub>336</sub>, 3, 1, 0; 2000 SU<sub>354</sub>, 6, 2, 16; 2000 SQ<sub>358</sub>, 3, 1, 0; 2000 SK<sub>360</sub>, 3, 1, 0; 2000 SA<sub>367</sub>, 3, 1, 0; 2000 SZ<sub>370</sub>, 3, 1, 0; 2000 TM<sub>10</sub>, 3, 1, 0; 2000 TP<sub>10</sub>, 6, 1, 0; 2000 TP<sub>14</sub>, 3, 1, 0; 2000 TU<sub>15</sub>, 6, 2, 30; 2000 TA<sub>18</sub>, 6, 2, 1; 2000 TY<sub>21</sub>, 3, 1, 0; 2000 TD<sub>28</sub>, 3, 1, 0; 2000 TG<sub>28</sub>, 6, 2, 3; 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2000 WT<sub>75</sub>, 6, 2, 473; 2000 WP<sub>76</sub>, 3, 1, 0; 2000 WZ<sub>78</sub>, 3, 1, 0; 2000 WZ<sub>81</sub>, 3, 1, 0; 2000 WV<sub>87</sub>, 3, 1, 0; 2000 WZ<sub>87</sub>, 3, 1, 0; 2000 WD<sub>88</sub>, 3, 1, 0; 2000 WP<sub>90</sub>, 6, 2, 46; 2000 WH<sub>91</sub>, 3, 1, 0; 2000 WD<sub>93</sub>, 3, 1, 0; 2000 WO<sub>93</sub>, 3, 1, 0; 2000 WV<sub>94</sub>, 3, 1, 0; 2000 WJ<sub>96</sub>, 3, 1, 0; 2000 WN<sub>96</sub>, 3, 1, 0; 2000 WD<sub>97</sub>, 3, 1, 0; 2000 WL<sub>97</sub>, 3, 1, 0; 2000 WF<sub>98</sub>, 3, 1, 0; 2000 WQ<sub>98</sub>, 3, 1, 0; 2000 WA<sub>101</sub>, 3, 1, 0; 2000 WC<sub>103</sub>, 3, 1, 0; 2000 WU<sub>105</sub>, 3, 1, 0; 2000 WH<sub>107</sub>, 9, 2, 2; 2000 WG<sub>108</sub>, 6, 2, 29; 2000 WW<sub>109</sub>, 3, 1, 0; 2000 WR<sub>110</sub>, 6, 2, 465; 2000 WA<sub>112</sub>, 3, 1, 0; 2000 WP<sub>112</sub>, 3, 1, 0; 2000 WA<sub>113</sub>, 3, 1, 0; 2000 WB<sub>113</sub>, 3, 1, 0; 2000 WF<sub>113</sub>, 6, 2, 33; 2000 WG<sub>113</sub>, 3, 1, 0; 2000 WR<sub>113</sub>, 6, 1, 0; 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2000 YT<sub>139</sub>, 3, 1, 0; 2000 YE<sub>143</sub>, 6, 2, 500; 2001 AC, 3, 1, 0; 2001 AT, 3, 1, 0; 2001 AU, 3, 1, 0; 2001 AZ<sub>1</sub>, 3, 1, 0; 2001 AP<sub>4</sub>, 3, 1, 0; 2001 AO<sub>5</sub>, 3, 1, 0; 2001 AQ<sub>5</sub>, 3, 1, 0; 2001 AD<sub>10</sub>, 3, 1, 0; 2001 AY<sub>10</sub>, 3, 1, 0; 2001 AN<sub>11</sub>, 3, 1, 0; 2001 AW<sub>11</sub>, 3, 1, 0; 2001 AY<sub>11</sub>, 6, 1, 0; 2001 AF<sub>12</sub>, 3, 1, 0; 2001 AS<sub>12</sub>, 3, 1, 0; 2001 AT<sub>12</sub>, 6, 2, 31; 2001 AU<sub>12</sub>, 9, 2, 29; 2001 AL<sub>13</sub>, 3, 1, 0; 2001 AP<sub>13</sub>, 3, 1, 0; 2001 AE<sub>15</sub>, 3, 1, 0; 2001 AF<sub>15</sub>, 3, 1, 0; 2001 AK<sub>15</sub>, 3, 1, 0; 2001 AF<sub>17</sub>, 3, 1, 0; 2001 AH<sub>17</sub>, 3, 1, 0; 2001 AR<sub>17</sub>, 6, 2, 8; 2001 AG<sub>18</sub>, 3, 1, 0; 2001 AS<sub>20</sub>, 6, 2, 6; 2001 AV<sub>20</sub>, 3, 1, 0; 2001 AZ<sub>20</sub>, 3, 1, 0; 2001 AA<sub>22</sub>, 3, 1, 0; 2001 AA<sub>24</sub>, 3, 1, 0; 2001 AB<sub>24</sub>, 6, 2, 29; 2001 AU<sub>24</sub>, 3, 1, 0; 2001 AL<sub>26</sub>, 6, 1, 0; 2001 AT<sub>26</sub>, 6, 2, 412; 2001 AK<sub>27</sub>, 3, 1, 0; 2001 AW<sub>28</sub>, 6, 2, 46; 2001 AX<sub>29</sub>, 3, 1, 0; 2001 AP<sub>30</sub>, 9, 2, 37; 2001 AQ<sub>31</sub>, 3, 1, 0; 2001 AW<sub>31</sub>, 9, 3, 32; 2001 AD<sub>33</sub>, 3, 1, 0; 2001 AW<sub>33</sub>, 3, 1, 0; 2001 AC<sub>34</sub>, 3, 1, 0; 2001 AB<sub>35</sub>, 9, 3, 48; 2001 AC<sub>35</sub>, 3, 1, 0; 2001 AG<sub>35</sub>, 3, 1, 0; 2001 AY<sub>35</sub>, 3, 1, 0; 2001 AK<sub>36</sub>, 3, 1, 0; 2001 AA<sub>38</sub>, 3, 1, 0; 2001 AW<sub>38</sub>, 6, 2, 17; 2001 AS<sub>40</sub>, 3, 1, 0; 2001 AC<sub>41</sub>, 3, 1, 0; 2001 AW<sub>43</sub>, 6, 2, 3; 2001 AJ<sub>44</sub>, 6, 2, 49; 2001 AG<sub>45</sub>, 12, 4, 29; 2001 AC<sub>49</sub>, 3, 1, 0; 2001 AO<sub>49</sub>, 9, 3, 30; 2001 AE<sub>50</sub>, 3, 1, 0; 2001 AJ<sub>50</sub>, 3, 1, 0; 2001 AZ<sub>51</sub>, 3, 1, 0; 2001 AD<sub>53</sub>, 3, 1, 0; 2001 BA, 3, 1, 0; 2001 BB, 3, 1, 0; 2001 BH, 3, 1, 0; 2001 BT, 3, 1, 0; 2001 BD<sub>1</sub>, 12, 3, 28; 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2001 BP<sub>71</sub>, 6, 2, 17; 2001 BE<sub>74</sub>, 3, 1, 0; 2001 BL<sub>74</sub>, 3, 1, 0; 2001 BO<sub>74</sub>, 3, 1, 0; 2001 BY<sub>74</sub>, 6, 2, 4; 2001 BA<sub>75</sub>, 3, 1, 0; 2001 BD<sub>75</sub>, 9, 2, 3; 2001 BL<sub>76</sub>, 9, 3, 25; 2001 BQ<sub>76</sub>, 3, 1, 0; 2001 BT<sub>76</sub>, 3, 1, 0; 2001 BY<sub>76</sub>, 6, 1, 0; 2001 BG<sub>80</sub>, 3, 1, 0; 2001 CS, 3, 1, 0; 2001 CY, 3, 1, 0; 2001 CH<sub>1</sub>, 3, 1, 0; 2001 CR<sub>1</sub>, 3, 1, 0; 2001 CF<sub>2</sub>, 3, 1, 0; 2001 CM<sub>2</sub>, 6, 2, 29; 2001 CC<sub>3</sub>, 3, 1, 0; 2001 CX<sub>3</sub>, 3, 1, 0; 2001 CH<sub>5</sub>, 3, 1, 0; 2001 CQ<sub>7</sub>, 3, 1, 0; 2001 CE<sub>9</sub>, 6, 2, 46; 2001 CJ<sub>9</sub>, 3, 1, 0; 2001 CA<sub>10</sub>, 3, 1, 0; 2001 CF<sub>10</sub>, 3, 1, 0; 2001 CJ<sub>10</sub>, 3, 1, 0; 2001 CV<sub>10</sub>, 3, 1, 0; 2001 CM<sub>13</sub>, 3, 1, 0; 2001 CQ<sub>13</sub>, 6, 2, 27; 2001 CM<sub>14</sub>, 9, 3, 18; 2001 CF<sub>15</sub>, 3, 1, 0; 2001 CY<sub>16</sub>, 3, 1, 0; 2001 CB<sub>17</sub>, 3, 1, 0; 2001 CH<sub>17</sub>, 3, 1, 0; 2001 CZ<sub>17</sub>, 3, 1, 0; 2001 CH<sub>19</sub>, 16, 6, 34; 2001 CM<sub>21</sub>, 3, 1, 0; 2001 CX<sub>21</sub>, 3, 1, 0; 2001 CB<sub>22</sub>, 3, 1, 0; 2001 CT<sub>22</sub>, 3, 1, 0; 2001 CF<sub>23</sub>, 3, 1, 0; 2001 CG<sub>25</sub>, 6, 1, 0; 2001 CJ<sub>26</sub>, 6, 2, 10; 2001 CQ<sub>26</sub>, 3, 1, 0; 2001 CX<sub>26</sub>, 3, 1, 0; 2001 CP<sub>27</sub>, 3, 1, 0; 2001 CS<sub>27</sub>, 3, 1, 0; 2001 CD<sub>28</sub>, 3, 1, 0; 2001 CV<sub>28</sub>, 9, 3, 46; 2001 CD<sub>30</sub>, 3, 1, 0; 2001 CV<sub>30</sub>, 6, 1, 0; 2001 CO<sub>31</sub>, 3, 1, 0; 2001 CR<sub>33</sub>, 3, 1, 0; 2001 CJ<sub>34</sub>, 3, 1, 0; 2001 CV<sub>36</sub>, 6, 2, 28; 2001 CJ<sub>38</sub>, 3, 1, 0; 2001 CT<sub>38</sub>, 3, 1, 0; 2001 CO<sub>40</sub>, 6, 2, 48; 2001 CY<sub>41</sub>, 3, 1, 0; 2001 CO<sub>44</sub>, 3, 1, 0; 2001 CB<sub>45</sub>, 9, 2, 2; 2001 CH<sub>45</sub>, 3, 1, 0; 2001 CJ<sub>45</sub>, 3, 1, 0; 2001 CU<sub>45</sub>, 3, 1, 0; 2001 CQ<sub>47</sub>, 3,

1, 0; 2001 EG<sub>24</sub>, 6, 2, 28; 2001 EK<sub>24</sub>, 3, 1, 0; 2001 EC<sub>26</sub>, 6, 2, 1; 2001 EF<sub>27</sub>, 3, 1, 0; 2001 EH<sub>27</sub>, 3, 1, 0; 2001 FJ<sub>1</sub>, 3, 1, 0; 2001 FT<sub>1</sub>, 6, 2, 3; 2001 FJ<sub>2</sub>, 6, 2, 2; 2001 FJ<sub>3</sub>, 3, 1, 0; 2001 FQ<sub>3</sub>, 3, 1, 0; 2001 FC<sub>4</sub>, 6, 2, 3; 2001 FV<sub>4</sub>, 6, 1, 0; 2001 FE<sub>5</sub>, 3, 1, 0; 2001 FC<sub>7</sub>, 3, 1, 0; 2001 FW<sub>7</sub>, 3, 1, 0; 2001 FC<sub>9</sub>, 3, 1, 0; 2001 FS<sub>9</sub>, 3, 1, 0; 2001 FV<sub>10</sub>, 3, 1, 0; 2001 FZ<sub>11</sub>, 6, 2, 38; 2001 FG<sub>15</sub>, 3, 1, 0; 2001 FB<sub>17</sub>, 3, 1, 0; 2001 FE<sub>17</sub>, 3, 1, 0; 2001 FT<sub>17</sub>, 6, 2, 1; 2001 FX<sub>17</sub>, 3, 1, 0; 2001 FN<sub>18</sub>, 6, 2, 8; 2001 FY<sub>18</sub>, 13, 5, 44; 2001 FL<sub>20</sub>, 3, 1, 0; 2001 FZ<sub>21</sub>, 3, 1, 0; 2001 FV<sub>22</sub>, 3, 1, 0; 2001 FA<sub>23</sub>, 3, 1, 0; 2001 FC<sub>24</sub>, 3, 1, 0; 2001 FL<sub>24</sub>, 6, 2, 30; 2001 FH<sub>26</sub>, 9, 3, 15; 2001 FO<sub>26</sub>, 3, 1, 0; 2001 FP<sub>27</sub>, 3, 1, 0; 2001 FZ<sub>27</sub>, 3, 1, 0; 2001 FN<sub>28</sub>, 3, 1, 0; 2001 FL<sub>30</sub>, 3, 1, 0; 2001 FV<sub>30</sub>, 3, 1, 0; 2001 FN<sub>32</sub>, 6, 2, 9; 2001 FR<sub>33</sub>, 6, 2, 8; 2001 FT<sub>33</sub>, 3, 1, 0; 2001 FG<sub>34</sub>, 6, 2, 28; 2001 FJ<sub>34</sub>, 9, 2, 29; 2001 FG<sub>35</sub>, 12, 3, 7; 2001 FM<sub>36</sub>, 3, 1, 0; 2001 FW<sub>36</sub>, 3, 1, 0; 2001 FC<sub>37</sub>, 3, 1, 0; 2001 FR<sub>37</sub>, 3, 1, 0; 2001 FS<sub>37</sub>, 3, 1, 0; 2001 FY<sub>38</sub>, 6, 2, 20; 2001 FK<sub>40</sub>, 6, 2, 5; 2001 FJ<sub>42</sub>, 3, 1, 0; 2001 FV<sub>45</sub>, 3, 1, 0; 2001 FB<sub>48</sub>, 3, 1, 0; 2001 FQ<sub>49</sub>, 6, 1, 0; 2001 FV<sub>49</sub>, 9, 3, 8; 2001 FF<sub>52</sub>, 3, 1, 0; 2001 FL<sub>52</sub>, 3, 1, 0; 2001 FY<sub>52</sub>, 3, 1, 0; 2001 FB<sub>54</sub>, 3, 1, 0; 2001 FK<sub>54</sub>, 3, 1, 0; 2001 FT<sub>54</sub>, 3, 1, 0; 2001 FM<sub>55</sub>, 3, 1, 0; 2001 FW<sub>55</sub>, 9, 3, 8; 2001 FG<sub>56</sub>, 3, 1, 0; 2001 FV<sub>59</sub>, 6, 2, 10; 2001 FJ<sub>59</sub>, 3, 1, 0; 2001 FY<sub>60</sub>, 3, 1, 0; 2001 FQ<sub>62</sub>, 3, 1, 0; 2001 FV<sub>63</sub>, 3, 1, 0; 2001 FY<sub>63</sub>, 3, 1, 0; 2001 FO<sub>68</sub>, 3, 1, 0; 2001 FF<sub>69</sub>, 6, 2, 30; 2001 FK<sub>69</sub>, 9, 2, 31; 2001 FP<sub>69</sub>, 3, 1, 0; 2001 FB<sub>70</sub>, 3, 1, 0; 2001 FP<sub>70</sub>, 3, 1, 0; 2001 FT<sub>72</sub>, 3, 1, 0; 2001 FF<sub>73</sub>, 3, 1, 0; 2001 FN<sub>74</sub>, 3, 1, 0; 2001 FN<sub>75</sub>, 3, 1, 0; 2001 FT<sub>76</sub>, 6, 2, 3; 2001 FC<sub>80</sub>, 3, 1, 0; 2001 FT<sub>80</sub>, 3, 1, 0; 2001 FU<sub>80</sub>, 3, 1, 0; 2001 FY<sub>82</sub>, 3, 1, 0; 2001 FV<sub>86</sub>, 3, 1, 0; 2001 FC<sub>87</sub>, 12, 2, 12; 2001 FC<sub>89</sub>, 16, 6, 39; 2001 FM<sub>90</sub>, 3, 1, 0; 2001 FU<sub>90</sub>, 9, 3, 16; 2001 FC<sub>92</sub>, 3, 1, 0; 2001 FW<sub>93</sub>, 3, 1, 0; 2001 FZ<sub>95</sub>, 6, 2, 26; 2001 FH<sub>96</sub>, 9, 2, 2; 2001 FR<sub>99</sub>, 3, 1, 0; 2001 FX<sub>99</sub>, 3, 1, 0; 2001 FZ<sub>100</sub>, 3, 1, 0; 2001 FV<sub>101</sub>, 3, 1, 0; 2001 FQ<sub>103</sub>, 6, 2, 8; 2001 FQ<sub>104</sub>, 15, 4, 441; 2001 FM<sub>107</sub>, 3, 1, 0; 2001 FE<sub>108</sub>, 3, 1, 0; 2001 FA<sub>111</sub>, 3, 1, 0; 2001 FV<sub>111</sub>, 3, 1, 0; 2001 FC<sub>115</sub>, 3, 1, 0; 2001 FS<sub>115</sub>, 6, 2, 4; 2001 FU<sub>115</sub>, 3, 1, 0; 2001 FD<sub>120</sub>, 3, 1, 0; 2001 FK<sub>125</sub>, 3, 1, 0; 2001 FD<sub>129</sub>, 3, 1, 0; 2001 FR<sub>129</sub>, 3, 1, 0; 2001 FE<sub>130</sub>, 3, 1, 0; 2001 FG<sub>131</sub>, 3, 1, 0; 2001 FZ<sub>137</sub>, 3, 1, 0; 2001 FP<sub>138</sub>, 3, 1, 0; 2001 FW<sub>138</sub>, 6, 2, 8; 2001 FA<sub>140</sub>, 6, 1, 0; 2001 FN<sub>140</sub>, 3, 1, 0; 2001 FS<sub>142</sub>, 6, 1, 0; 2001 FJ<sub>144</sub>, 3, 1, 0; 2001 FV<sub>144</sub>, 3, 1, 0; 2001 FZ<sub>144</sub>, 3, 1, 0; 2001 FG<sub>145</sub>, 3, 1, 0; 2001 FP<sub>145</sub>, 3, 1, 0; 2001 FQ<sub>153</sub>, 3, 1, 0; 2001 FA<sub>156</sub>, 6, 2, 1; 2001 FG<sub>156</sub>, 3, 1, 0; 2001 FV<sub>163</sub>, 3, 1, 0; 2001 FY<sub>169</sub>, 3, 1, 0; 2001 FB<sub>170</sub>, 6, 2, 3; 2001 FL<sub>171</sub>, 6, 2, 20; 2001 FR<sub>172</sub>, 3, 1, 0; 2001 FQ<sub>176</sub>, 3, 1, 0; 2001 FY<sub>176</sub>, 6, 2, 17; 2001 FR<sub>178</sub>, 3, 1, 0; 2001 FJ<sub>179</sub>, 3, 1, 0; 2001 FB<sub>180</sub>, 3, 1, 0; 2001 FX<sub>182</sub>, 9, 3, 30; 2001 FR<sub>188</sub>, 3, 1, 0; 2001 FW<sub>192</sub>, 6, 2, 29; 2001 FF<sub>194</sub>, 3, 1, 0; 2001 GD<sub>3</sub>, 1, 0; 2001 GA<sub>6</sub>, 3, 1, 0; 2001 GO<sub>6</sub>, 3, 1, 0; 2001 GH<sub>9</sub>, 3, 1, 0; 2001 HP<sub>3</sub>, 6, 2, 16; 2001 HD<sub>13</sub>, 3, 1, 0; 2001 HG<sub>13</sub>, 9, 3, 26; 2001 HV<sub>14</sub>, 3, 1, 0; 2001 HK<sub>16</sub>, 3, 1, 0; 2001 HO<sub>16</sub>, 6, 2, 4; 2001 HY<sub>16</sub>, 6, 2, 10; 2001 HT<sub>19</sub>, 6, 2, 6; 2001 HD<sub>21</sub>, 6, 2, 20; 2001 HB<sub>27</sub>, 3, 1, 0; 2001 HN<sub>29</sub>, 3, 1, 0; 2001 HB<sub>31</sub>, 3, 1, 0; 2001 HW<sub>35</sub>, 6, 2, 7; 2001 HL<sub>36</sub>, 3, 1, 0; 2001 HD<sub>37</sub>, 3, 1, 0; 2001 HR<sub>37</sub>, 9, 1, 0; 2001 HE<sub>42</sub>, 3, 1, 0; 2001 HS<sub>49</sub>, 3, 1, 0; 2001 HK<sub>53</sub>, 6, 2, 10; 2001 HX<sub>53</sub>, 6, 2, 19; 2001 HF<sub>57</sub>, 3, 1, 0; 2001 HM<sub>58</sub>, 3, 1, 0; 2001 HC<sub>61</sub>, 3, 1, 0; 2001 HB<sub>63</sub>, 3, 1, 0; 2001 HK<sub>64</sub>, 6, 2, 20; 2001 HY<sub>64</sub>, 12, 6, 29; 2001 HL<sub>65</sub>, 3, 1, 0; 2001 HB<sub>67</sub>, 3, 1, 0; 2001 JP<sub>3</sub>, 1, 0; 2001 JT<sub>4</sub>, 3, 1, 0; 2001 JQ<sub>3</sub>, 9, 3, 28; 2001 JO<sub>5</sub>, 3, 1, 0; 2001 JY<sub>6</sub>, 3, 1, 0; 2001 JO<sub>7</sub>, 9, 3, 8; 2001 KO<sub>9</sub>, 9, 2, 14; 2001 KJ<sub>2</sub>, 6, 2, 20; 2001 KB<sub>4</sub>, 3, 1, 0; 2001 KN<sub>5</sub>, 3, 1, 0; 2001 KV<sub>8</sub>, 3, 1, 0; 2001 KG<sub>9</sub>, 3, 1, 0; 2001 KD<sub>11</sub>, 3, 1, 0; 2001 KK<sub>12</sub>, 3, 1, 0; 2001 KW<sub>14</sub>, 6, 2, 26; 2001 KZ<sub>20</sub>, 3, 1, 0; 2001 KH<sub>23</sub>, 3, 1, 0; 2001 KD<sub>26</sub>, 3, 1, 0; 2001 KF<sub>26</sub>, 3, 1, 0; 2001 KE<sub>27</sub>, 3, 1, 0; 2001 KQ<sub>32</sub>, 3, 1, 0; 2001 KV<sub>37</sub>, 3, 1, 0; 2001 KZ<sub>44</sub>, 3, 1, 0; 2001 KL<sub>45</sub>, 3, 1, 0; 2001 KU<sub>46</sub>, 3, 1, 0; 2001 KN<sub>49</sub>, 9, 3, 498; 2001 KA<sub>53</sub>, 3, 1, 0; 2001 KN<sub>56</sub>, 9, 2, 7; 2001 KR<sub>56</sub>, 3, 1, 0; 2001 KN<sub>57</sub>, 3, 1, 0; 2001 KL<sub>60</sub>, 3, 1, 0; 2001 KM<sub>61</sub>, 3, 1, 0; 2001 KP<sub>65</sub>, 6, 2, 9; 2001 KZ<sub>66</sub>, 6, 2, 1; 2001 KB<sub>71</sub>, 3, 1, 0; 2001 KM<sub>74</sub>, 3, 1, 0; 2001 KL<sub>75</sub>, 3, 1, 0; 2001 LH<sub>4</sub>, 3, 1, 0; 2001 LO<sub>9</sub>, 3, 1, 0; 2001 LZ<sub>17</sub>, 3, 1, 0; 2001 LO<sub>18</sub>, 3, 1, 0; 2001 MN<sub>3</sub>, 3, 1, 0; 2001 MX<sub>5</sub>, 3, 1, 0; 2001 MS<sub>10</sub>, 6, 1, 0; 2001 MU<sub>28</sub>, 3, 1, 0; 2001 NA<sub>4</sub>, 3, 1, 0; 2001 NU<sub>7</sub>, 3, 1, 0; 2001 NJ<sub>8</sub>, 3, 1, 0; 2001 NQ<sub>15</sub>, 3, 1, 0; 2001 NT<sub>19</sub>, 6, 1, 0; 2001 OA<sub>2</sub>, 6, 1, 0; 2001 OZ<sub>13</sub>, 6, 1, 0; 2001 OK<sub>25</sub>, 3, 1, 0; 2001 OC<sub>29</sub>, 3, 1, 0; 2001 OX<sub>32</sub>, 3, 1, 0; 2001 OU<sub>33</sub>, 3, 1, 0; 2001 OA<sub>42</sub>, 3, 1, 0; 2001 OR<sub>44</sub>, 3, 1, 0; 2001 OF<sub>47</sub>, 6, 2, 75; 2001 OG<sub>53</sub>, 3, 1, 0; 2001 OE<sub>60</sub>, 3, 1, 0; 2001 OQ<sub>67</sub>, 6, 2, 85; 2001 OG<sub>75</sub>, 3, 1, 0; 2001 OD<sub>76</sub>, 3, 1, 0; 2001 OR<sub>85</sub>, 3, 1, 0; 2001 OX<sub>88</sub>, 3, 1, 0; 2001 OV<sub>91</sub>, 6, 1, 0; 2001 OE<sub>101</sub>, 9, 2, 16; 2001 ON<sub>101</sub>, 3, 1, 0; 2001 PM<sub>9</sub>, 9, 2, 6; 2001 PX<sub>25</sub>, 6, 1, 0; 2001 PD<sub>27</sub>, 3, 1, 0; 2001 PO<sub>33</sub>, 3, 1, 0; 2001 PU<sub>35</sub>, 3, 1, 0; 2001 PD<sub>42</sub>, 3, 1, 0; 2001 PU<sub>45</sub>, 3, 1, 0; 2001 PN<sub>49</sub>, 6, 2, 482; 2001 PE<sub>53</sub>, 6, 2, 7; 2001 QU<sub>6</sub>, 6, 2, 8; 2001 QN<sub>6</sub>, 3, 1, 0; 2001 QK<sub>10</sub>, 9, 3, 28; 2001 QE<sub>15</sub>, 3, 1, 0; 2001 QF<sub>32</sub>, 3, 1, 0; 2001 QJ<sub>35</sub>, 6, 2, 7; 2001 QP<sub>35</sub>, 3, 1, 0; 2001 QK<sub>45</sub>, 3, 1, 0; 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2001 QC<sub>218</sub>, 3, 1, 0; 2001 QU<sub>226</sub>, 3, 1, 0; 2001 QR<sub>231</sub>, 6, 2, 10; 2001 QC<sub>232</sub>, 3, 1, 0; 2001 QU<sub>240</sub>, 3, 1, 0; 2001 QV<sub>255</sub>, 3, 1, 0; 2001 QS<sub>261</sub>, 3, 1, 0; 2001 QO<sub>263</sub>, 6, 1, 0; 2001 QZ<sub>263</sub>, 6, 1, 0; 2001 QD<sub>282</sub>, 3, 1, 0; 2001 QM<sub>283</sub>, 3, 1, 0; 2001 QW<sub>285</sub>, 3, 1, 0; 2001 RH<sub>2</sub>, 3, 1, 0; 2001 RF<sub>4</sub>, 3, 1, 0; 2001 RD<sub>5</sub>, 3, 1, 0; 2001 RU<sub>13</sub>, 3, 1, 0; 2001 RV<sub>45</sub>, 3, 1, 0; 2001 RZ<sub>49</sub>, 6, 2, 9; 2001 RC<sub>57</sub>, 3, 1, 0; 2001 RA<sub>67</sub>, 3, 1, 0; 2001 RR<sub>68</sub>, 6, 2, 23; 2001 RM<sub>71</sub>, 3, 1, 0; 2001 RJ<sub>76</sub>, 3, 1, 0; 2001 RM<sub>77</sub>, 3, 1, 0; 2001 RR<sub>88</sub>, 3, 1, 0; 2001 RC<sub>90</sub>, 3, 1, 0; 2001 RS<sub>90</sub>, 3, 1, 0; 2001 RD<sub>92</sub>, 3, 1, 0; 2001 RK<sub>100</sub>, 3, 1, 0; 2001 RD<sub>115</sub>, 3, 1, 0; 2001 RK<sub>118</sub>, 6, 2, 11; 2001 RN<sub>122</sub>, 6, 2, 13; 2001 RL<sub>123</sub>, 6, 1, 0;

2001 RR<sub>128</sub>, 3, 1, 0; 2001 RV<sub>136</sub>, 3, 1, 0; 2001 RH<sub>142</sub>, 3, 1, 0; 2001 SG<sub>9</sub>, 6, 2, 8; 2001 SQ<sub>11</sub>, 6, 2, 17; 2001 SS<sub>19</sub>, 3, 1, 0; 2001 SO<sub>22</sub>, 3, 1, 0; 2001 SE<sub>23</sub>, 3, 1, 0; 2001 ST<sub>27</sub>, 3, 1, 0; 2001 SE<sub>29</sub>, 3, 1, 0; 2001 SV<sub>44</sub>, 3, 1, 0; 2001 SQ<sub>46</sub>, 3, 1, 0; 2001 SF<sub>50</sub>, 6, 2, 23; 2001 SF<sub>57</sub>, 3, 1, 0; 2001 SL<sub>65</sub>, 3, 1, 0; 2001 SM<sub>67</sub>, 6, 2, 23; 2001 SC<sub>68</sub>, 3, 1, 0; 2001 SK<sub>72</sub>, 3, 1, 0; 2001 SR<sub>83</sub>, 3, 1, 0; 2001 SD<sub>84</sub>, 3, 1, 0; 2001 ST<sub>87</sub>, 3, 1, 0; 2001 SV<sub>88</sub>, 3, 1, 0; 2001 SU<sub>97</sub>, 3, 1, 0; 2001 SK<sub>119</sub>, 6, 2, 28; 2001 SF<sub>123</sub>, 3, 1, 0; 2001 SH<sub>128</sub>, 9, 3, 48; 2001 SD<sub>129</sub>, 3, 1, 0; 2001 SV<sub>129</sub>, 3, 1, 0; 2001 SE<sub>130</sub>, 6, 2, 6; 2001 SD<sub>141</sub>, 3, 1, 0; 2001 SU<sub>142</sub>, 3, 1, 0; 2001 SL<sub>144</sub>, 3, 1, 0; 2001 SS<sub>144</sub>, 3, 1, 0; 2001 SN<sub>157</sub>, 3, 1, 0; 2001 SW<sub>160</sub>, 3, 1, 0; 2001 SD<sub>166</sub>, 3, 1, 0; 2001 SS<sub>173</sub>, 3, 1, 0; 2001 SO<sub>185</sub>, 3, 1, 0; 2001 SG<sub>187</sub>, 3, 1, 0; 2001 SN<sub>194</sub>, 3, 1, 0; 2001 SK<sub>204</sub>, 3, 1, 0; 2001 SA<sub>206</sub>, 3, 1, 0; 2001 SB<sub>210</sub>, 3, 1, 0; 2001 SZ<sub>213</sub>, 3, 1, 0; 2001 SZ<sub>219</sub>, 3, 1, 0; 2001 SQ<sub>226</sub>, 3, 1, 0; 2001 SD<sub>235</sub>, 3, 1, 0; 2001 SF<sub>237</sub>, 3, 1, 0; 2001 SH<sub>237</sub>, 3, 1, 0; 2001 SP<sub>237</sub>, 3, 1, 0; 2001 SQ<sub>240</sub>, 3, 1, 0; 2001 SC<sub>244</sub>, 6, 2, 497; 2001 SP<sub>249</sub>, 3, 1, 0; 2001 SQ<sub>249</sub>, 3, 1, 0; 2001 SS<sub>252</sub>, 3, 1, 0; 2001 SC<sub>253</sub>, 3, 1, 0; 2001 SM<sub>288</sub>, 3, 1, 0; 2001 SK<sub>290</sub>, 6, 1, 0; 2001 SQ<sub>318</sub>, 3, 1, 0; 2001 SH<sub>324</sub>, 9, 3, 492; 2001 SL<sub>328</sub>, 3, 1, 0; 2001 SU<sub>339</sub>, 3, 1, 0; 2001 SD<sub>343</sub>, 3, 1, 0; 2001 SJ<sub>348</sub>, 3, 1, 0; 2001 TB<sub>6</sub>, 3, 1, 0; 2001 TX<sub>6</sub>, 6, 2, 5; 2001 TC<sub>7</sub>, 3, 1, 0; 2001 TJ<sub>9</sub>, 9, 2, 46; 2001 TC<sub>17</sub>, 3, 1, 0; 2001 TF<sub>21</sub>, 3, 1, 0; 2001 TL<sub>21</sub>, 3, 1, 0; 2001 TU<sub>30</sub>, 3, 1, 0; 2001 TA<sub>34</sub>, 3, 1, 0; 2001 TN<sub>35</sub>, 3, 1, 0; 2001 TF<sub>37</sub>, 3, 1, 0; 2001 TQ<sub>38</sub>, 3, 1, 0; 2001 TQ<sub>39</sub>, 3, 1, 0; 2001 TE<sub>41</sub>, 3, 1, 0; 2001 TF<sub>46</sub>, 3, 1, 0; 2001 TJ<sub>46</sub>, 6, 2, 28; 2001 TZ<sub>48</sub>, 3, 1, 0; 2001 TQ<sub>49</sub>, 6, 2, 20; 2001 TM<sub>59</sub>, 3, 1, 0; 2001 TV<sub>67</sub>, 6, 2, 23; 2001 TP<sub>68</sub>, 3, 1, 0; 2001 TJ<sub>70</sub>, 3, 1, 0; 2001 TV<sub>71</sub>, 3, 1, 0; 2001 TU<sub>72</sub>, 3, 1, 0; 2001 TR<sub>81</sub>, 3, 1, 0; 2001 TS<sub>88</sub>, 3, 1, 0; 2001 TX<sub>92</sub>, 3, 1, 0; 2001 TX<sub>100</sub>, 3, 1, 0; 2001 TZ<sub>100</sub>, 3, 1, 0; 2001 TE<sub>103</sub>, 3, 1, 0; 2001 TY<sub>107</sub>, 3, 1, 0; 2001 TX<sub>116</sub>, 3, 1, 0; 2001 TH<sub>117</sub>, 3, 1, 0; 2001 TV<sub>131</sub>, 6, 2, 446; 2001 TL<sub>133</sub>, 3, 1, 0; 2001 TA<sub>135</sub>, 3, 1, 0; 2001 TB<sub>135</sub>, 3, 1, 0; 2001 TL<sub>135</sub>, 3, 1, 0; 2001 TF<sub>135</sub>, 6, 2, 18; 2001 TV<sub>146</sub>, 3, 1, 0; 2001 TQ<sub>147</sub>, 6, 2, 14; 2001 TR<sub>149</sub>, 9, 2, 495; 2001 TN<sub>165</sub>, 3, 1, 0; 2001 TS<sub>165</sub>, 3, 1, 0; 2001 TB<sub>171</sub>, 9, 3, 23; 2001 TU<sub>174</sub>, 3, 1, 0; 2001 TN<sub>186</sub>, 3, 1, 0; 2001 TF<sub>191</sub>, 3, 1, 0; 2001 TB<sub>203</sub>, 6, 2, 20; 2001 TC<sub>206</sub>, 6, 2, 11; 2001 TH<sub>206</sub>, 3, 1, 0; 2001 TV<sub>211</sub>, 3, 1, 0; 2001 TV<sub>224</sub>, 3, 1, 0; 2001 TK<sub>229</sub>, 9, 3, 551; 2001 TN<sub>236</sub>, 3, 1, 0; 2001 TQ<sub>236</sub>, 3, 1, 0; 2001 TL<sub>239</sub>, 12, 4, 527; 2001 TM<sub>239</sub>, 3, 1, 0; 2001 TX<sub>241</sub>, 3, 1, 0; 2001 UH<sub>4</sub>, 6, 2, 6; 2001 UH<sub>8</sub>, 3, 1, 0; 2001 UR<sub>10</sub>, 3, 1, 0; 2001 UW<sub>15</sub>, 3, 1, 0; 2001 UF<sub>17</sub>, 3, 1, 0; 2001 UW<sub>19</sub>, 3, 1, 0; 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3, 1, 0; 2001 YA<sub>134</sub>, 3, 1, 0; 2001 YM<sub>145</sub>, 3, 1, 0; 2001 YA<sub>150</sub>, 6, 1, 0; 2001 YG<sub>150</sub>, 6, 2, 16; 2001 YO<sub>157</sub>, 3, 1, 0; 2002 AL<sub>3</sub>, 3, 1, 0; 2002 AW<sub>3</sub>, 3, 1, 0; 2002 AC<sub>4</sub>, 3, 1, 0; 2002 AY<sub>6</sub>, 6, 2, 8; 2002 AC<sub>8</sub>, 6, 1, 0; 2002 AL<sub>9</sub>, 3, 1, 0; 2002 AF<sub>10</sub>, 9, 3, 46; 2002 AG<sub>10</sub>, 3, 1, 0; 2002 AV<sub>11</sub>, 3, 1, 0; 2002 AE<sub>13</sub>, 3, 1, 0; 2002 AA<sub>14</sub>, 3, 1, 0; 2002 AS<sub>18</sub>, 3, 1, 0; 2002 AB<sub>19</sub>, 6, 1, 0; 2002 AO<sub>24</sub>, 3, 1, 0; 2002 AK<sub>25</sub>, 3, 1, 0; 2002 AE<sub>27</sub>, 3, 1, 0; 2002 AP<sub>27</sub>, 3, 1, 0; 2002 AS<sub>27</sub>, 3, 1, 0; 2002 AT<sub>28</sub>, 3, 1, 0; 2002 AS<sub>30</sub>, 3, 1, 0; 2002 AM<sub>32</sub>, 7, 3, 17; 2002 AX<sub>34</sub>, 3, 1, 0; 2002 AF<sub>35</sub>, 3, 1, 0; 2002 AW<sub>38</sub>, 3, 1, 0; 2002 AT<sub>39</sub>, 3, 1, 0; 2002 AA<sub>52</sub>, 3, 1, 0; 2002 AZ<sub>53</sub>, 3, 1, 0; 2002 AM<sub>57</sub>, 3, 1, 0; 2002 AU<sub>62</sub>, 3, 1, 0; 2002 AY<sub>62</sub>, 3, 1, 0; 2002 AS<sub>64</sub>, 3, 1, 0; 2002 AV<sub>64</sub>, 3, 1, 0; 2002 AO<sub>66</sub>, 6, 2, 27; 2002 AA<sub>67</sub>, 3, 1, 0; 2002 AE<sub>76</sub>, 3, 1, 0; 2002 AA<sub>77</sub>, 3, 1, 0; 2002 AS<sub>83</sub>, 6, 2, 29; 2002 AL<sub>86</sub>, 3, 1, 0; 2002 AT<sub>86</sub>, 3, 1, 0; 2002 AW<sub>88</sub>, 3, 1, 0; 2002 AJ<sub>89</sub>, 3, 1, 0; 2002 AL<sub>90</sub>, 3, 1, 0; 2002 AF<sub>105</sub>, 3, 1, 0; 2002 AM<sub>107</sub>, 6, 2, 17; 2002 AP<sub>110</sub>, 3, 1, 0; 2002 AQ<sub>112</sub>, 3, 1, 0; 2002 AO<sub>116</sub>, 3, 1, 0; 2002 AV<sub>117</sub>, 3, 1, 0; 2002 AY<sub>117</sub>, 3, 1, 0; 2002 AT<sub>118</sub>, 3, 1, 0; 2002 AN<sub>121</sub>, 3, 1, 0; 2002 AD<sub>122</sub>, 3, 1, 0; 2002 AE<sub>125</sub>, 6, 2, 30; 2002 AM<sub>125</sub>, 6, 2, 30; 2002 AD<sub>126</sub>, 3, 1, 0; 2002 AP<sub>126</sub>, 3, 1, 0; 2002 AL<sub>130</sub>, 3, 1, 0; 2002 AB<sub>131</sub>, 3, 1, 0; 2002 AG<sub>131</sub>, 9, 3, 8; 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2002 CY<sub>128</sub>, 6, 1, 0; 2002 CD<sub>129</sub>, 6, 1, 0; 2002 CL<sub>129</sub>, 6, 2, 1; 2002 CO<sub>131</sub>, 3, 1, 0; 2002 CM<sub>132</sub>, 3, 1, 0; 2002 CP<sub>132</sub>, 3, 1, 0; 2002 CR<sub>132</sub>, 6, 2, 29; 2002 CR<sub>133</sub>, 3, 1, 0; 2002 CC<sub>138</sub>, 3, 1, 0; 2002 CE<sub>140</sub>, 3, 1, 0; 2002 CR<sub>140</sub>, 3, 1, 0; 2002 CA<sub>141</sub>, 6, 2, 2; 2002 CS<sub>141</sub>, 3, 1, 0; 2002 CX<sub>141</sub>, 3, 1, 0; 2002 CL<sub>143</sub>, 3, 1, 0; 2002 CV<sub>143</sub>, 6, 2, 7; 2002 CW<sub>143</sub>, 3, 1, 0; 2002 CX<sub>143</sub>, 6, 2, 2; 2002 CC<sub>145</sub>, 3, 1, 0; 2002 CQ<sub>145</sub>, 6, 1, 0; 2002 CU<sub>145</sub>, 3, 1, 0; 2002 CM<sub>145</sub>, 15, 3, 6; 2002 CX<sub>146</sub>, 3, 1, 0; 2002 CZ<sub>150</sub>, 3, 1, 0; 2002 CH<sub>152</sub>, 3, 1, 0; 2002 CH<sub>153</sub>, 3, 1, 0; 2002 CW<sub>153</sub>, 3, 1, 0; 2002 CG<sub>159</sub>, 6, 1, 0; 2002 CH<sub>160</sub>, 3, 1, 0; 2002 CM<sub>162</sub>, 6, 1, 0; 2002 CT<sub>163</sub>, 3, 1, 0; 2002 CX<sub>165</sub>, 3, 1, 0; 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2002 CS<sub>222</sub>, 6, 2, 30; 2002 CT<sub>224</sub>, 3, 1, 0; 2002 CQ<sub>225</sub>, 3, 1, 0; 2002 CR<sub>225</sub>, 6, 1, 0; 2002 CH<sub>226</sub>, 3, 1, 0; 2002 CT<sub>226</sub>, 3, 1, 0; 2002 CT<sub>228</sub>, 3, 1, 0; 2002 CZ<sub>231</sub>, 6, 1, 0; 2002 CC<sub>232</sub>, 6, 2, 3; 2002 CF<sub>232</sub>, 9, 2, 4; 2002 CM<sub>232</sub>, 6, 1, 0; 2002 CX<sub>234</sub>, 3, 1, 0; 2002 CB<sub>236</sub>, 3, 1, 0; 2002 CC<sub>236</sub>, 3, 1, 0; 2002 CE<sub>237</sub>, 6, 2, 16; 2002 CJ<sub>237</sub>, 6, 2, 17; 2002 CN<sub>237</sub>, 3, 1, 0; 2002 CA<sub>238</sub>, 6, 2, 17; 2002 CA<sub>240</sub>, 3, 1, 0; 2002 CZ<sub>241</sub>, 3, 1, 0; 2002 CC<sub>242</sub>, 3, 1, 0; 2002 CW<sub>242</sub>, 3, 1, 0; 2002 CJ<sub>243</sub>, 3, 1, 0; 2002 CN<sub>243</sub>, 3, 1, 0; 2002 CS<sub>243</sub>, 3, 1, 0; 2002 CT<sub>243</sub>, 6, 2, 32; 2002 CE<sub>244</sub>, 6, 2, 27; 2002 CT<sub>244</sub>, 3, 1, 0; 2002 CV<sub>244</sub>, 3, 1, 0; 2002 CA<sub>245</sub>,

3, 1, 0; 2002 CQ<sub>246</sub>, 3, 1, 0; 2002 CV<sub>246</sub>, 9, 3, 29; 2002 CE<sub>248</sub>, 3, 1, 0; 2002 CV<sub>248</sub>, 9, 3, 8; 2002 CX<sub>253</sub>, 6, 1, 0; 2002 CG<sub>254</sub>, 3, 1, 0; 2002 CV<sub>256</sub>, 3, 1, 0; 2002 CP<sub>260</sub>, 18, 7, 36; 2002 CH<sub>263</sub>, 3, 1, 0; 2002 CM<sub>272</sub>, 3, 1, 0; 2002 CV<sub>272</sub>, 6, 2, 51; 2002 CX<sub>272</sub>, 6, 2, 4; 2002 CF<sub>274</sub>, 3, 1, 0; 2002 CY<sub>274</sub>, 3, 1, 0; 2002 CZ<sub>278</sub>, 3, 1, 0; 2002 CM<sub>280</sub>, 6, 2, 28; 2002 CO<sub>286</sub>, 6, 2, 17; 2002 CN<sub>291</sub>, 3, 1, 0; 2002 CV<sub>295</sub>, 3, 1, 0; 2002 CV<sub>298</sub>, 6, 2, 5; 2002 CN<sub>301</sub>, 3, 1, 0; 2002 CD<sub>303</sub>, 6, 1, 0; 2002 CB<sub>307</sub>, 3, 1, 0; 2002 CO<sub>310</sub>, 6, 2, 36; 2002 CL<sub>311</sub>, 6, 2, 8; 2002 CK<sub>312</sub>, 3, 1, 0; 2002 DQ<sub>3</sub>, 1, 0; 2002 DU<sub>2</sub>, 3, 1, 0; 2002 DR<sub>3</sub>, 6, 2, 16; 2002 DC<sub>3</sub>, 1, 0; 2002 DF<sub>6</sub>, 3, 1, 0; 2002 DL<sub>7</sub>, 3, 1, 0; 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1, 0; 2002 LQ<sub>48</sub>, 3, 1, 0; 2002 LL<sub>49</sub>, 3, 1, 0; 2002 LP<sub>49</sub>, 6, 2, 30; 2002 LG<sub>52</sub>, 3, 1, 0; 2002 LX<sub>53</sub>, 6, 2, 2; 2002 LX<sub>59</sub>, 3, 1, 0; 2002 LP<sub>60</sub> \*, 16, 5, 32; 2002 LQ<sub>60</sub> \*, 23, 8, 82; 2002 MA<sub>6</sub>, 6, 2, 46; 2002 ME<sub>2</sub>, 3, 1, 0; 2002 MU<sub>4</sub> \*, 20, 7, 73; 2002 NL<sub>1</sub>, 3, 1, 0; 2002 NS<sub>10</sub>, 3, 1, 0; 2002 NH<sub>21</sub>, 3, 1, 0; 2002 NB<sub>28</sub>, 3, 1, 0; 2002 NU<sub>28</sub>, 3, 1, 0; 2002 NG<sub>29</sub>, 3, 1, 0; 2002 NM<sub>38</sub>, 3, 1, 0; 2002 NF<sub>39</sub>, 3, 1, 0; 2002 NF<sub>40</sub>, 3, 1, 0; 2002 NS<sub>40</sub>, 6, 2, 3; 2002 NT<sub>40</sub>, 6, 1, 0; 2002 NV<sub>40</sub>, 10, 4, 21; 2002 NF<sub>41</sub>, 3, 1, 0; 2002 NY<sub>41</sub>, 3, 1, 0; 2002 ND<sub>42</sub>, 3, 1, 0; 2002 NH<sub>42</sub>, 3, 1, 0; 2002 NJ<sub>43</sub>, 6, 2, 7; 2002 NY<sub>48</sub>, 3, 1, 0; 2002 NB<sub>49</sub>, 6, 1, 0; 2002 NG<sub>50</sub>, 3, 1, 0; 2002 NS<sub>52</sub>, 3, 1, 0; 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2002 PK<sub>125</sub>, 3, 1, 0; 2002 PL<sub>125</sub>, 9, 2, 19; 2002 PM<sub>125</sub>, 3, 1, 0; 2002 PX<sub>125</sub>, 6, 2, 9; 2002 PZ<sub>125</sub>, 6, 1, 0;  
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26; 2002 QZ<sub>49</sub>, 14, 5, 44; 2002 QA<sub>50</sub>, 14, 5, 46; 2002 QB<sub>50</sub>, 9, 3, 26; 2002 QC<sub>50</sub>, 11, 4, 28; 2002 QD<sub>50</sub>, 9, 3, 26; 2002 QE<sub>50</sub>, 9, 3, 26; 2002 QF<sub>50</sub>, 9, 3, 26; 2002 QG<sub>50</sub>, 12, 4, 29; 2002 QH<sub>50</sub>, 20, 7, 27; 2002 QJ<sub>50</sub>, 15, 5, 29; 2002 QK<sub>50</sub>, 9, 3, 2; 2002 QL<sub>50</sub>, 9, 3, 2; 2002 QM<sub>50</sub>, 19, 7, 41; 2002 QN<sub>50</sub>, 14, 5, 26; 2002 QO<sub>50</sub>, 9, 3, 29; 2002 QP<sub>50</sub>, 12, 3, 29; 2002 QQ<sub>50</sub>, 6, 2, 9; 2002 QR<sub>50</sub>, 8, 3, 26; 2002 QS<sub>50</sub>, 14, 4, 26; 2002 QT<sub>50</sub>, 6, 2, 9; 2002 QU<sub>50</sub>, 9, 3, 26; 2002 QV<sub>50</sub>, 15, 5, 26; 2002 QW<sub>50</sub>, 8, 3, 18; 2002 QX<sub>50</sub>, 6, 2, 18; 2002 QY<sub>50</sub>, 9, 3, 17; 2002 QZ<sub>50</sub>, 9, 4, 18; 2002 QA<sub>51</sub>, 8, 4, 29; 2002 QB<sub>51</sub>, 9, 4, 18; 2002 QC<sub>51</sub>, 7, 3, 17; 2002 QD<sub>51</sub>, 8, 3, 18; 2002 QE<sub>51</sub>, 9, 4, 18; 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28; 2002 RG<sub>237</sub> \*, 9, 3, 26; 2002 RH<sub>237</sub> \*, 13, 4, 89; 2002 RJ<sub>237</sub> \*, 9, 3, 26; 2002 RK<sub>237</sub> \*, 9, 3, 26; 2002 RL<sub>237</sub> \*, 7, 3, 26; 2002 RM<sub>237</sub> \*, 8, 4, 27; 2002 RN<sub>237</sub> \*, 9, 3, 26; 2002 RO<sub>237</sub> \*, 11, 4, 28; 2002 RP<sub>237</sub> \*, 9, 3, 26; 2002 RQ<sub>237</sub>, 13, 5, 29; 2002 RR<sub>237</sub> \*, 11, 4, 27; 2002 RS<sub>237</sub> \*, 8, 3, 62; 2002 RT<sub>237</sub> \*, 7, 3, 26; 2002 RV<sub>237</sub> \*, 8, 3, 18; 2002 RW<sub>237</sub> \*, 14, 4, 29; 2002 RX<sub>237</sub> \*, 9, 3, 18; 2002 RY<sub>237</sub> \*, 9, 3, 18; 2002 RZ<sub>237</sub> \*, 15, 6, 29; 2002 RA<sub>238</sub> \*, 6, 2, 3; 2002 RB<sub>238</sub> \*, 11, 4, 19; 2002 RC<sub>238</sub> \*, 7, 3, 27; 2002 RD<sub>238</sub>, 10, 4, 26; 2002 RE<sub>238</sub> \*, 9, 3, 26; 2002 RF<sub>238</sub> \*, 18, 5, 26; 2002 RG<sub>238</sub> \*, 8, 3, 26; 2002 RH<sub>238</sub>, 11, 4, 26; 2002 RJ<sub>238</sub> \*, 5, 3, 18; 2002 RK<sub>238</sub> \*, 9, 3, 26; 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2002 RQ<sub>239</sub> \*, 5, 2, 17; 2002 RR<sub>239</sub> \*, 6, 2, 17; 2002 RS<sub>239</sub> \*, 9, 3, 18; 2002 RT<sub>239</sub> \*, 16, 6, 29; 2002 RU<sub>239</sub> \*, 17, 7, 30; 2002 RV<sub>239</sub> \*, 17, 7, 30; 2002 RW<sub>239</sub> \*, 17, 6, 39; 2002 RX<sub>239</sub> \*, 14, 5, 28; 2002 RY<sub>239</sub> \*, 14, 6, 30; 2002 RZ<sub>239</sub> \*, 13, 5, 28; 2002 RA<sub>240</sub> \*, 9, 4, 18; 2002 RB<sub>240</sub>, 12, 4, 18; 2002 RC<sub>240</sub> \*, 11, 4, 18; 2002 RD<sub>240</sub> \*, 12, 4, 18; 2002 RE<sub>240</sub>, 9, 3, 28; 2002 RF<sub>240</sub> \*, 9, 4, 18; 2002 RG<sub>240</sub> \*, 11, 5, 28; 2002 RH<sub>240</sub> \*, 10, 4, 18; 2002 RJ<sub>240</sub> \*, 7, 3, 18; 2002 RK<sub>240</sub> \*, 14, 5, 28; 2002 RL<sub>240</sub>, 17, 6, 29; 2002 RM<sub>240</sub> \*, 7, 3, 17; 2002 RN<sub>240</sub> \*, 9, 3, 17; 2002 RO<sub>240</sub> \*, 10, 4, 18; 2002 RP<sub>240</sub> \*, 9, 4, 17; 2002 RQ<sub>240</sub> \*, 6, 2, 1; 2002 RR<sub>240</sub> \*, 8, 3, 17; 2002 RS<sub>240</sub>, 15, 6, 21; 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2002 TY<sub>135</sub>, 3, 1, 0; 2002 TE<sub>136</sub>, 9, 3, 17; 2002 TS<sub>136</sub>, 3, 1, 0; 2002 TW<sub>136</sub>, 3, 1, 0; 2002 TA<sub>137</sub>, 3, 1, 0; 2002 TJ<sub>137</sub>, 3, 1, 0; 2002 TL<sub>137</sub>, 9, 2, 448; 2002 TD<sub>140</sub>, 3, 1, 0; 2002 TE<sub>140</sub>, 3, 1, 0; 2002 TH<sub>142</sub>, 3, 1, 0; 2002 TQ<sub>142</sub>, 12, 3, 27; 2002 TS<sub>142</sub>, 3, 1, 0; 2002 TG<sub>144</sub>, 3, 1, 0; 2002 TB<sub>145</sub>, 6, 2, 8; 2002 TG<sub>145</sub>, 5, 2, 9; 2002 TN<sub>145</sub>, 3, 1, 0; 2002 TK<sub>146</sub>, 3, 1, 0; 2002 TX<sub>147</sub>, 12, 4, 39; 2002 TS<sub>148</sub>, 3, 1, 0; 2002 TC<sub>152</sub>, 3, 1, 0; 2002 TF<sub>154</sub>, 6, 1, 0; 2002 TG<sub>154</sub>, 3, 1, 0; 2002 TZ<sub>154</sub>, 6, 2, 454; 2002 TL<sub>155</sub>, 3, 1, 0; 2002 TS<sub>155</sub>, 3, 1, 0; 2002 TW<sub>155</sub>, 6, 2, 24; 2002 TA<sub>156</sub>, 3, 1, 0; 2002 TE<sub>156</sub>, 3, 1, 0; 2002 TG<sub>156</sub>, 3, 1, 0; 2002 TL<sub>156</sub>, 3, 1, 0; 2002 TY<sub>156</sub>, 3, 1, 0; 2002 TF<sub>157</sub>, 3, 1, 0; 2002 TM<sub>157</sub>, 3, 1, 0; 2002 TO<sub>157</sub>, 3, 1, 0; 2002 TP<sub>157</sub>, 3, 1, 0; 2002 TA<sub>158</sub>, 3, 1, 0; 2002 TB<sub>158</sub>, 6, 2, 42; 2002 TL<sub>158</sub>, 3, 1, 0; 2002 TP<sub>158</sub>, 3, 1, 0; 2002 TL<sub>159</sub>, 3, 1, 0; 2002 TY<sub>159</sub>, 6, 2, 44; 2002 TU<sub>163</sub>, 3, 1, 0; 2002 TA<sub>164</sub>, 3, 1, 0; 2002 TY<sub>164</sub>, 3, 1, 0; 2002 TZ<sub>164</sub>, 3, 1, 0; 2002 TC<sub>165</sub>, 3, 1, 0; 2002 TH<sub>165</sub>, 3, 1, 0; 2002 TJ<sub>165</sub>, 12, 4, 62; 2002 TP<sub>165</sub>, 6, 2, 8; 2002 TT<sub>165</sub>, 3, 1, 0; 2002 TD<sub>166</sub>, 3, 1, 0; 2002 TF<sub>166</sub>, 3, 1, 0; 2002 TG<sub>166</sub>, 3, 1, 0; 2002 TO<sub>166</sub>, 3, 1, 0; 2002 TU<sub>166</sub>, 3, 1, 0; 2002 TZ<sub>166</sub>, 3, 1, 0; 2002 TF<sub>167</sub>, 3, 1, 0; 2002 TG<sub>167</sub>, 3, 1, 0; 2002 TH<sub>167</sub>, 6, 2, 8; 2002 TN<sub>167</sub>, 3, 1, 0; 2002 TO<sub>167</sub>, 6, 2, 8; 2002 TS<sub>167</sub>, 3, 1, 0; 2002 TU<sub>167</sub>, 3, 1, 0; 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2002 TU<sub>211</sub>, 6, 2, 7; 2002 TW<sub>211</sub>, 3, 1, 0; 2002 TM<sub>212</sub>, 3, 1, 0; 2002 TE<sub>214</sub>, 6, 2, 10; 2002 TQ<sub>214</sub>, 3, 1, 0; 2002 TX<sub>214</sub>, 6, 1, 0; 2002 TR<sub>215</sub>, 6, 2, 9; 2002 TW<sub>215</sub>, 6, 2, 27; 2002 TM<sub>216</sub>, 3, 1, 0; 2002 TS<sub>216</sub>, 3, 1, 0; 2002 TM<sub>217</sub>, 3, 1, 0; 2002 TP<sub>217</sub>, 3, 1, 0; 2002 TE<sub>218</sub>, 6, 2, 8; 2002 TP<sub>218</sub>, 3, 1, 0; 2002 TC<sub>219</sub>, 3, 1, 0; 2002 TO<sub>219</sub>, 3, 1, 0; 2002 TU<sub>219</sub>, 3, 1, 0; 2002 TQ<sub>220</sub>, 6, 2, 373; 2002 TE<sub>221</sub>, 3, 1, 0; 2002 TF<sub>221</sub>, 6, 2, 34; 2002 TL<sub>221</sub>, 3, 1, 0; 2002 TT<sub>221</sub>, 6, 2, 13; 2002 TY<sub>221</sub>, 3, 1, 0; 2002 TZ<sub>222</sub>, 3, 1, 0; 2002 TA<sub>223</sub>, 3, 1, 0; 2002 TL<sub>223</sub>, 3, 1, 0; 2002 TN<sub>223</sub>, 6, 2, 15; 2002 TK<sub>224</sub>, 3, 1, 0; 2002 TW<sub>224</sub>, 3, 1, 0; 2002 TE<sub>226</sub>, 3, 1, 0; 2002 TK<sub>228</sub>, 3, 1, 0; 2002 TA<sub>229</sub>, 3, 1, 0; 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6, 2, 37; 2002 TF<sub>314</sub>, 3, 1, 0; 2002 TJ<sub>314</sub>, 9, 3, 18; 2002 TS<sub>315</sub>, 6, 2, 16; 2002 TV<sub>315</sub>, 3, 1, 0; 2002 TB<sub>316</sub>, 6, 2, 9; 2002 TF<sub>316</sub>, 6, 2, 27; 2002 TJ<sub>316</sub>, 9, 3, 27; 2002 TM<sub>316</sub>, 3, 1, 0; 2002 TA<sub>317</sub>, 3, 1, 0; 2002 TA<sub>318</sub>, 3, 1, 0; 2002 TA<sub>319</sub>, 3, 1, 0; 2002 TG<sub>319</sub>, 3, 1, 0; 2002 TJ<sub>319</sub>, 3, 1, 0; 2002 TN<sub>321</sub>, 3, 1, 0; 2002 TP<sub>321</sub>, 3, 1, 0; 2002 TH<sub>323</sub>, 6, 2, 20; 2002 TE<sub>324</sub>, 3, 1, 0; 2002 TW<sub>324</sub>, 3, 1, 0; 2002 TC<sub>325</sub>, 3, 1, 0; 2002 TC<sub>326</sub>, 3, 1, 0; 2002 TK<sub>326</sub>, 3, 1, 0; 2002 TN<sub>326</sub>, 3, 1, 0; 2002 TS<sub>326</sub>, 3, 1, 0; 2002 TT<sub>326</sub>, 3, 1, 0; 2002 TX<sub>328</sub>, 3, 1, 0; 2002 TC<sub>329</sub>, 3, 1, 0; 2002 TO<sub>329</sub>, 3, 1, 0; 2002 TC<sub>340</sub>, 3, 1, 0; 2002 TV<sub>340</sub>, 3, 1, 0; 2002 TS<sub>341</sub>, 3, 1, 0; 2002 TP<sub>342</sub>, 3, 1, 0; 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2002 WU<sub>18</sub>, 3, 1, 0; 2002 WM<sub>20</sub>, 3, 1, 0; 2002 XK, 3, 1, 0; 2002 XL, 3, 1, 0; 2002 XN, 6, 2, 12; 2002 XP, 3, 1, 0; 2002 XW, 3, 1, 0; 2002 XX, 3, 1, 0; 2002 XH<sub>1</sub>, 3, 1, 0; 2002 XJ<sub>1</sub>, 3, 1, 0; 2002 XR<sub>3</sub>, 12, 4, 40; 2002 XS<sub>3</sub>, 3, 1, 0; 2002 XT<sub>3</sub>, 3, 1, 0; 2002 XK<sub>5</sub>, 3, 1, 0; 2002 XR<sub>6</sub>, 3, 1, 0; 2002 XB<sub>7</sub>, 3, 1, 0; 2002 XM<sub>7</sub>, 3, 1, 0; 2002 XN<sub>7</sub>, 12, 4, 500; 2002 XT<sub>7</sub>, 6, 2, 7; 2002 XM<sub>8</sub>, 6, 2, 44; 2002 XO<sub>8</sub>, 3, 1, 0; 2002 XS<sub>8</sub>, 3, 1, 0; 2002 XZ<sub>8</sub>, 3, 1, 0; 2002 XH<sub>10</sub>, 3, 1, 0; 2002 XJ<sub>10</sub>, 3, 1, 0; 2002 XT<sub>11</sub>, 3, 1, 0; 2002 XG<sub>12</sub>, 3, 1, 0; 2002 XB<sub>13</sub>, 3, 1, 0; 2002 XW<sub>14</sub>, 3, 1, 0; 2002 XD<sub>15</sub>, 6, 2, 5; 2002 XE<sub>15</sub>, 3, 1, 0; 2002 XG<sub>15</sub>, 6, 2, 49; 2002 XJ<sub>15</sub>, 3, 1, 0; 2002 XR<sub>15</sub>, 6, 2, 7; 2002 XT<sub>15</sub>, 6, 1, 0; 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3, 1, 0; 2003 OG<sub>3</sub>, 3, 1, 0; 2003 OH<sub>3</sub>, 6, 1, 0; 2003 OJ<sub>3</sub>, 3, 1, 0; 2003 OK<sub>3</sub>, 6, 2, 36; 2003 OL<sub>3</sub>, 3, 1, 0; 2003 OM<sub>3</sub>, 3, 1, 0; 2003 ON<sub>3</sub>, 3, 1, 0; 2003 OO<sub>3</sub>, 3, 1, 0; 2003 OP<sub>3</sub>, 3, 1, 0; 2003 OT<sub>3</sub>, 3, 1, 0; 2003 OX<sub>3</sub>, 3, 1, 0; 2003 OY<sub>3</sub>, 3, 1, 0; 2003 OB<sub>4</sub> \*, 3, 1, 0; 2003 OD<sub>4</sub>, 3, 1, 0; 2003 OM<sub>4</sub>, 3, 1, 0; 2003 OR<sub>4</sub>, 3, 1, 0; 2003 OU<sub>4</sub>, 3, 1, 0; 2003 OV<sub>4</sub>, 3, 1, 0; 2003 OY<sub>4</sub>, 3, 1, 0; 2003 OZ<sub>4</sub>, 3, 1, 0; 2003 OA<sub>5</sub>, 6, 2, 444; 2003 OC<sub>5</sub>, 6, 1, 0; 2003 OD<sub>5</sub>, 3, 1, 0; 2003 OE<sub>5</sub>, 3, 1, 0; 2003 OF<sub>5</sub>, 3, 1, 0; 2003 OG<sub>5</sub>, 3, 1, 0; 2003 OH<sub>5</sub>, 3, 1, 0; 2003 OJ<sub>5</sub>, 6, 1, 0; 2003 OK<sub>5</sub>, 3, 1, 0; 2003 OL<sub>5</sub>, 6, 1, 0; 2003 OM<sub>5</sub>, 3, 1, 0; 2003 ON<sub>5</sub>, 6, 2, 17; 2003 OO<sub>5</sub>, 3, 1, 0; 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2003 OG<sub>11</sub> \*, 6, 2, 8; 2003 OH<sub>11</sub> \*, 6, 2, 2; 2003 OJ<sub>11</sub> \*, 6, 2, 2; 2003 OK<sub>11</sub> \*, 12, 3, 8; 2003 OL<sub>11</sub> \*, 9, 3, 39; 2003 OM<sub>11</sub> \*, 3, 1, 0; 2003 ON<sub>11</sub> \*, 6, 2, 8; 2003 OO<sub>11</sub> \*, 6, 2, 8; 2003 OP<sub>11</sub> \*, 6, 2, 7; 2003 OQ<sub>11</sub> \*, 9, 2, 6; 2003 OR<sub>11</sub> \*, 6, 2, 2; 2003 OS<sub>11</sub> \*, 6, 2, 2; 2003 OT<sub>11</sub> \*, 6, 2, 2; 2003 OU<sub>11</sub> \*, 12, 3, 39; 2003 OV<sub>11</sub> \*, 6, 2, 2; 2003 OW<sub>11</sub> \*, 9, 3, 36; 2003 OX<sub>11</sub> \*, 6, 2, 7; 2003 OY<sub>11</sub> \*, 6, 2, 6; 2003 OZ<sub>11</sub> \*, 6, 2, 6; 2003 OA<sub>12</sub> \*, 6, 2, 4; 2003 OB<sub>12</sub> \*, 6, 2, 6; 2003 OC<sub>12</sub> \*, 9, 2, 6; 2003 OD<sub>12</sub> \*, 12, 4, 37; 2003 OE<sub>12</sub> \*, 12, 4, 37; 2003 OF<sub>12</sub> \*, 15, 4, 451; 2003 OG<sub>12</sub> \*, 6, 2, 6; 2003 OH<sub>12</sub> \*, 3, 1, 0; 2003 OJ<sub>12</sub> \*, 6, 2, 6; 2003 OK<sub>12</sub> \*, 6, 2, 6; 2003 OL<sub>12</sub> \*, 6, 2, 5; 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2, 1; 2003 OA<sub>24</sub> \*, 6, 2, 1; 2003 OB<sub>24</sub> \*, 6, 2, 1; 2003 OC<sub>24</sub> \*, 6, 2, 1; 2003 OD<sub>24</sub> \*, 6, 2, 1; 2003 OE<sub>24</sub> \*, 6, 2, 1; 2003 OF<sub>24</sub> \*, 3, 1, 0; 2003 OG<sub>24</sub> \*, 6, 2, 2; 2003 OH<sub>24</sub> \*, 6, 1, 0; 2003 OJ<sub>24</sub> \*, 9, 2, 2; 2003 OK<sub>24</sub> \*, 3, 1, 0; 2003 OL<sub>24</sub> \*, 3, 1, 0; 2003 OM<sub>24</sub> \*, 6, 2, 1; 2003 ON<sub>24</sub> \*, 6, 2, 2; 2003 OO<sub>24</sub> \*, 6, 2, 1; 2003 OP<sub>24</sub> \*, 6, 2, 2; 2003 OQ<sub>24</sub> \*, 6, 2, 2; 2003 OR<sub>24</sub> \*, 6, 2, 2; 2003 OS<sub>24</sub> \*, 6, 2, 2; 2003 OT<sub>24</sub> \*, 6, 2, 1; 2003 OU<sub>24</sub> \*, 3, 1, 0; 2003 OV<sub>24</sub> \*, 6, 2, 2; 2003 OW<sub>24</sub> \*, 3, 1, 0; 2003 OX<sub>24</sub> \*, 3, 1, 0; 2003 OY<sub>24</sub> \*, 6, 2, 2; 2003 OZ<sub>24</sub> \*, 6, 2, 1; 2003 OA<sub>25</sub> \*, 3, 1, 0; 2003 OB<sub>25</sub> \*, 6, 2, 1; 2003 OC<sub>25</sub> \*, 3, 1, 0; 2003 OD<sub>25</sub> \*, 9, 2, 1; 2003 OE<sub>25</sub> \*, 6, 2, 1; 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2003 OV<sub>28</sub> \*, 6, 2, 1; 2003 OW<sub>28</sub> \*, 9, 3, 29; 2003 OX<sub>28</sub> \*, 9, 3, 29; 2003 OY<sub>28</sub> \*, 6, 2, 1; 2003 OZ<sub>28</sub> \*, 6, 2, 1; 2003 OA<sub>29</sub> \*, 9, 3, 29; 2003 OB<sub>29</sub> \*, 6, 2, 1; 2003 OC<sub>29</sub> \*, 9, 3, 30; 2003 OD<sub>29</sub> \*, 15, 4, 34; 2003 OE<sub>29</sub> \*, 6, 2, 1; 2003 OF<sub>29</sub> \*, 12, 4, 32; 2003 OG<sub>29</sub> \*, 6, 2, 1; 2003 OH<sub>29</sub> \*, 9, 3, 32; 2003 OJ<sub>29</sub> \*, 6, 2, 1; 2003 OK<sub>29</sub> \*, 6, 2, 1; 2003 OL<sub>29</sub> \*, 12, 4, 497; 2003 OM<sub>29</sub> \*, 6, 2, 1; 2003 ON<sub>29</sub> \*, 6, 2, 1; 2003 OO<sub>29</sub> \*, 6, 2, 1; 2003 OP<sub>29</sub> \*, 12, 4, 459; 2003 OQ<sub>29</sub> \*, 6, 2, 1; 2003 OR<sub>29</sub> \*, 6, 2, 1; 2003 OS<sub>29</sub> \*, 6, 2, 1; 2003 OT<sub>29</sub> \*, 9, 3, 30; 2003 OU<sub>29</sub> \*, 9, 3, 30; 2003 OV<sub>29</sub> \*, 6, 2, 1; 2003 OW<sub>29</sub> \*, 6, 2, 1; 2003 OX<sub>29</sub> \*, 9, 3, 28; 2003 OY<sub>29</sub> \*, 9, 3, 29; 2003 OZ<sub>29</sub> \*, 9, 2, 1; 2003 OA<sub>30</sub> \*, 6, 2, 1; 2003 OB<sub>30</sub> \*, 6, 2, 1; 2003 OC<sub>30</sub> \*, 9, 3, 32; 2003 OD<sub>30</sub> \*, 6, 2, 1; 2003 OE<sub>30</sub> \*, 9, 3, 30; 2003 OF<sub>30</sub> \*, 6, 2, 1; 2003 OG<sub>30</sub> \*, 6, 2, 1; 2003 OH<sub>30</sub> \*, 6, 2, 1; 2003 OJ<sub>30</sub> \*, 6, 2, 1; 2003 OK<sub>30</sub> \*, 9, 3, 29; 2003 OL<sub>30</sub> \*, 12, 4, 32; 2003 OM<sub>30</sub> \*, 9, 3, 32; 2003 ON<sub>30</sub> \*, 9, 3, 30; 2003 OO<sub>30</sub> \*, 12, 4, 30; 2003 OP<sub>30</sub> \*, 9, 3, 28; 2003 OQ<sub>30</sub> \*, 9, 2, 1; 2003 OR<sub>30</sub> \*, 12, 3, 29; 2003 OS<sub>30</sub> \*, 6, 2, 1; 2003 OT<sub>30</sub> \*, 6, 2, 1; 2003 OU<sub>30</sub> \*, 9, 3, 28; 2003 OV<sub>30</sub> \*, 9, 3, 29; 2003 OX<sub>30</sub> \*, 3, 1, 0; 2003 OY<sub>30</sub> \*, 3, 1, 0; 2003 OZ<sub>30</sub> \*, 3, 1, 0; 2003 OA<sub>31</sub> \*, 9, 2, 5; 2003 OD<sub>31</sub> \*, 3, 1, 0; 2003 OM<sub>31</sub> \*, 3, 1, 0; 2003 OS<sub>31</sub> \*, 3, 1, 0; 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2003 PN<sub>2</sub> \*, 9, 3, 459; 2003 PQ<sub>2</sub> \*, 3, 1, 0; 2003 PR<sub>2</sub> \*, 3, 1, 0; 2003 PS<sub>2</sub> \*, 3, 1, 0; 2003 PW<sub>2</sub> \*, 3, 1, 0; 2003 PK<sub>3</sub> \*, 6, 2, 473; 2003 PL<sub>3</sub> \*, 3, 1, 0; 2003 PM<sub>3</sub> \*, 3, 1, 0; 2003 PN<sub>3</sub> \*, 3, 1, 0; 2003 PO<sub>3</sub> \*, 9, 3, 28; 2003 PP<sub>3</sub> \*, 12, 4, 499; 2003 PQ<sub>3</sub> \*, 9, 3, 28; 2003 PR<sub>3</sub> \*, 3, 1, 0; 2003 PS<sub>3</sub> \*, 3, 1, 0; 2003 PV<sub>3</sub> \*, 3, 1, 0; 2003 PW<sub>3</sub> \*, 6, 2, 29; 2003 PX<sub>3</sub> \*, 6, 2, 1; 2003 PZ<sub>3</sub> \*, 6, 2, 31; 2003 PA<sub>4</sub> \*, 3, 1, 0; 2003 PB<sub>4</sub> \*, 3, 1, 0; 2003 PC<sub>4</sub> \*, 3, 1, 0; 2003 PD<sub>4</sub> \*, 6, 2, 28; 2003 PE<sub>4</sub> \*, 6, 2, 2; 2003 PF<sub>4</sub> \*, 6, 2, 29; 2003 PG<sub>4</sub> \*, 6, 1, 0; 2003 PJ<sub>4</sub> \*, 6, 2, 445; 2003 PK<sub>4</sub> \*, 6, 1, 0; 2003 PP<sub>4</sub> \*, 3, 1, 0; 2003 PR<sub>4</sub> \*, 3, 1, 0; 2003 PT<sub>4</sub> \*, 3, 1, 0; 2003 PW<sub>4</sub> \*, 3, 1, 0; 2003 PY<sub>4</sub> \*, 3, 1, 0; 2003 PZ<sub>4</sub> \*, 3, 1, 0; 2003 PA<sub>5</sub> \*, 6, 2, 17; 2003 PE<sub>5</sub> \*, 3, 1, 0; 2003 PJ<sub>5</sub> \*, 3, 1, 0; 2003 PK<sub>5</sub> \*, 3, 1, 0; 2003 PP<sub>5</sub> \*, 3, 1, 0; 2003 PU<sub>5</sub> \*, 3, 1, 0; 2003 PA<sub>6</sub> \*, 6, 1, 0; 2003 PB<sub>6</sub> \*, 6, 2, 505; 2003 PC<sub>6</sub> \*, 6, 2, 30; 2003 PD<sub>6</sub> \*, 3, 1, 0; 2003 PH<sub>6</sub> \*, 6, 2, 2; 2003 PJ<sub>6</sub> \*, 3, 1, 0; 2003 PK<sub>6</sub> \*, 9, 2, 6; 2003 PL<sub>6</sub> \*, 9, 3, 8; 2003 PO<sub>6</sub> \*, 6, 2, 510; 2003 PP<sub>6</sub> \*, 6, 1, 0; 2003 PR<sub>6</sub> \*, 3, 1, 0; 2003 PV<sub>6</sub> \*, 6, 2, 3; 2003 PH<sub>7</sub> \*, 6, 1, 0; 2003 PK<sub>7</sub> \*, 9, 2, 28; 2003 PM<sub>7</sub> \*, 3, 1, 0; 2003 PQ<sub>7</sub> \*, 6, 1, 0; 2003 PV<sub>7</sub> \*, 3, 1, 0; 2003 PY<sub>7</sub> \*, 3, 1, 0; 2003 PZ<sub>7</sub> \*, 3, 1, 0; 2003 PA<sub>8</sub> \*, 3, 1, 0; 2003 PB<sub>8</sub> \*, 3, 1, 0; 2003 PC<sub>8</sub> \*, 6, 2, 470; 2003 PD<sub>8</sub> \*, 3, 1, 0; 2003 PE<sub>8</sub> \*, 6, 2, 29; 2003 PF<sub>8</sub> \*, 3, 1, 0; 2003 PG<sub>8</sub> \*, 3, 1, 0; 2003 PJ<sub>8</sub> \*, 6, 1, 0; 2003 PK<sub>8</sub> \*, 3, 1, 0; 2003 PL<sub>8</sub> \*, 3, 1, 0; 2003 PM<sub>8</sub> \*, 3, 1, 0; 2003 PN<sub>8</sub> \*, 6, 1, 0; 2003 PO<sub>8</sub> \*, 3, 1, 0; 2003 PP<sub>8</sub> \*, 3, 1, 0; 2003 PQ<sub>8</sub> \*, 3, 1, 0; 2003 PR<sub>8</sub> \*, 6, 1, 0; 2003 PT<sub>8</sub> \*, 3, 1, 0; 2003 PV<sub>8</sub> \*, 6, 2, 30; 2003 PY<sub>8</sub> \*, 3, 1, 0; 2003 PA<sub>9</sub> \*, 3, 1, 0; 2003 PB<sub>9</sub> \*, 3, 1, 0; 2003 PD<sub>9</sub> \*, 3, 1, 0; 2003 PE<sub>9</sub> \*, 3, 1, 0; 2003 PF<sub>9</sub> \*, 6, 2, 16; 2003 PG<sub>9</sub> \*, 6, 2, 472; 2003 PH<sub>9</sub> \*, 3, 1, 0; 2003 PJ<sub>9</sub> \*, 3, 1, 0; 2003 PM<sub>9</sub> \*, 3, 1, 0; 2003 PN<sub>9</sub> \*, 3, 1, 0; 2003 PO<sub>9</sub> \*, 3, 1, 0; 2003 PQ<sub>9</sub> \*, 3, 1, 0; 2003 PY<sub>9</sub> \*, 3, 1, 0; 2003 PD<sub>11</sub> \*, 3, 1, 0; 2003 PG<sub>11</sub> \*, 3, 1, 0; 2003 PO<sub>11</sub> \*, 6, 2, 29; 2003 PP<sub>11</sub> \*, 9, 3, 37; 2003 PT<sub>11</sub> \*, 3, 1, 0; 2003 PU<sub>11</sub> \*, 6, 2, 22; 2003 PV<sub>11</sub> \*, 9, 3, 496; 2003 PX<sub>11</sub> \*, 3, 1, 0; 2003 PG<sub>12</sub> \*, 6, 2, 29; 2003 QB \*, 3, 1, 0; 2003 QC \*, 3, 1, 0; 2003 QD,

9, 3, 37; 2003 QF, 3, 1, 0; 2003 QG, 3, 1, 0; 2003 QH, 3, 1, 0; 2003 QQ, 3, 1, 0; 2003 QT, 3, 1, 0; 2003 QW, 3, 1, 0; 2003 QZ, 3, 1, 0; 2003 QA<sub>1</sub> \*, 3, 1, 0; 2003 QE<sub>1</sub> \*, 3, 1, 0; 2003 QF<sub>1</sub> \*, 9, 2, 28; 2003 QH<sub>1</sub> \*, 3, 1, 0; 2003 QN<sub>1</sub> \*, 3, 1, 0; 2003 QO<sub>1</sub> \*, 3, 1, 0; 2003 QX<sub>1</sub> \*, 3, 1, 0; 2003 QB<sub>2</sub> \*, 3, 1, 0; 2003 QJ<sub>2</sub> \*, 3, 1, 0; 2003 QM<sub>2</sub> \*, 6, 1, 0; 2003 QN<sub>2</sub> \*, 3, 1, 0; 2003 QO<sub>2</sub> \*, 3, 1, 0; 2003 QR<sub>2</sub> \*, 3, 1, 0; 2003 QT<sub>2</sub> \*, 3, 1, 0; 2003 QW<sub>2</sub> \*, 3, 1, 0; 2003 QX<sub>2</sub> \*, 3, 1, 0; 2003 QZ<sub>2</sub> \*, 6, 1, 0; 2003 QA<sub>3</sub> \*, 3, 1, 0; 2003 QD<sub>3</sub> \*, 3, 1, 0; 2003 QE<sub>3</sub> \*, 3, 1, 0; 2003 QG<sub>3</sub> \*, 3, 1, 0; 2003 QP<sub>3</sub> \*, 3, 1, 0; 2003 QQ<sub>3</sub> \*, 3, 1, 0; 2003 QR<sub>3</sub> \*, 9, 2, 29; 2003 QS<sub>3</sub> \*, 3, 1, 0; 2003 QU<sub>3</sub> \*, 3, 1, 0; 2003 QV<sub>3</sub> \*, 3, 1, 0; 2003 QX<sub>3</sub> \*, 6, 2, 29; 2003 QY<sub>3</sub> \*, 3, 1, 0; 2003 QZ<sub>3</sub> \*, 3, 1, 0; 2003 QA<sub>4</sub> \*, 6, 1, 0; 2003 QB<sub>4</sub> \*, 6, 2, 28; 2003 QC<sub>4</sub> \*, 3, 1, 0; 2003 QD<sub>4</sub> \*, 3, 1, 0; 2003 QE<sub>4</sub> \*, 3, 1, 0; 2003 QF<sub>4</sub> \*, 3, 1, 0; 2003 QG<sub>4</sub> \*, 6, 2, 28; 2003 QH<sub>4</sub> \*, 6, 2, 28; 2003 QJ<sub>4</sub> \*, 3, 1, 0; 2003 QK<sub>4</sub> \*, 3, 1, 0; 2003 QL<sub>4</sub> \*, 3, 1, 0; 2003 QN<sub>4</sub> \*, 3, 1, 0; 2003 QO<sub>4</sub> \*, 3, 1, 0; 2003 QP<sub>4</sub> \*, 3, 1, 0; 2003 QR<sub>4</sub> \*, 6, 2, 2; 2003 QT<sub>4</sub> \*, 3, 1, 0; 2003 QU<sub>4</sub> \*, 3, 1, 0; 2003 QV<sub>4</sub> \*, 3, 1, 0; 2003 QX<sub>4</sub> \*, 3, 1, 0; 2003 QY<sub>4</sub> \*, 3, 1, 0; 2003 QZ<sub>4</sub> \*, 6, 1, 0; 2003 QA<sub>5</sub> \*, 3, 1, 0; 2003 QB<sub>5</sub> \*, 3, 1, 0; 2003 QC<sub>5</sub> \*, 3, 1, 0; 2003 QD<sub>5</sub> \*, 3, 1, 0; 2003 QG<sub>5</sub> \*, 3, 1, 0; 2003 QK<sub>5</sub> \*, 3, 1, 0; 2003 QO<sub>5</sub> \*, 3, 1, 0; 2003 QP<sub>5</sub> \*, 3, 1, 0; 2003 QQ<sub>5</sub> \*, 3, 1, 0; 2003 QV<sub>5</sub> \*, 6, 1, 0; 2003 QW<sub>5</sub> \*, 6, 1, 0; 2003 QX<sub>5</sub> \*, 3, 1, 0; 2003 QY<sub>5</sub> \*, 6, 1, 0; 2003 QZ<sub>5</sub> \*, 6, 1, 0; 2003 QA<sub>6</sub> \*, 3, 1, 0; 2003 QB<sub>6</sub> \*, 3, 1, 0; 2003 QC<sub>6</sub> \*, 3, 1, 0; 2003 QD<sub>6</sub> \*, 3, 1, 0; 2003 QF<sub>6</sub> \*, 3, 1, 0; 2003 QH<sub>6</sub> \*, 6, 1, 0; 2003 QJ<sub>6</sub> \*, 3, 1, 0; 2003 QS<sub>6</sub> \*, 3, 1, 0; 2003 QT<sub>6</sub> \*, 3, 1, 0; 2003 QY<sub>6</sub> \*, 3, 1, 0; 2003 QZ<sub>6</sub> \*, 6, 2, 5; 2003 QA<sub>7</sub> \*, 6, 2, 5; 2003 QB<sub>7</sub> \*, 9, 3, 7; 2003 QC<sub>7</sub> \*, 3, 1, 0; 2003 QE<sub>7</sub> \*, 3, 1, 0; 2003 QG<sub>7</sub> \*, 3, 1, 0; 2003 QH<sub>7</sub> \*, 3, 1, 0; 2003 QJ<sub>7</sub> \*, 3, 1, 0; 2003 QK<sub>7</sub> \*, 3, 1, 0; 2003 QL<sub>7</sub> \*, 3, 1, 0; 2003 QM<sub>7</sub> \*, 9, 3, 28; 2003 QN<sub>7</sub> \*, 6, 2, 1; 2003 QO<sub>7</sub> \*, 6, 2, 2; 2003 QP<sub>7</sub> \*, 6, 2, 1; 2003 QQ<sub>7</sub> \*, 9, 3, 29; 2003 QR<sub>7</sub> \*, 6, 2, 2; 2003 QS<sub>7</sub> \*, 6, 2, 2; 2003 QT<sub>7</sub> \*, 9, 3, 29; 2003 QU<sub>7</sub> \*, 6, 2, 2; 2003 QV<sub>7</sub> \*, 3, 1, 0; 2003 QW<sub>7</sub> \*, 3, 1, 0; 2003 QX<sub>7</sub> \*, 3, 1, 0; 2003 QY<sub>7</sub> \*, 6, 1, 0; 2003 QZ<sub>7</sub> \*, 6, 2, 4; 2003 QA<sub>8</sub> \*, 6, 2, 8; 2003 QB<sub>8</sub> \*, 6, 1, 0; 2003 QJ<sub>8</sub> \*, 6, 2, 8; 2003 QK<sub>8</sub> \*, 3, 1, 0; 2003 QO<sub>8</sub> \*, 6, 2, 2; 2003 QP<sub>8</sub> \*, 3, 1, 0; 2003 QR<sub>8</sub> \*, 6, 1, 0; 2003 QW<sub>8</sub> \*, 3, 1, 0; 2003 QX<sub>8</sub> \*, 3, 1, 0; 2003 QY<sub>8</sub> \*, 3, 1, 0; 2003 QZ<sub>8</sub> \*, 3, 1, 0; 2003 QB<sub>9</sub> \*, 3, 1, 0; 2003 QC<sub>9</sub> \*, 3, 1, 0; 2003 QD<sub>9</sub> \*, 3, 1, 0; 2003 QK<sub>9</sub> \*, 3, 1, 0; 2003 QL<sub>9</sub> \*, 3, 1, 0; 2003 QM<sub>9</sub> \*, 6, 2, 29; 2003 QR<sub>9</sub> \*, 3, 1, 0; 2003 QS<sub>9</sub> \*, 3, 1, 0; 2003 QU<sub>9</sub> \*, 3, 1, 0; 2003 QZ<sub>9</sub> \*, 6, 2, 48; 2003 QA<sub>10</sub> \*, 3, 1, 0; 2003 QB<sub>10</sub> \*, 6, 1, 0; 2003 QD<sub>10</sub> \*, 6, 2, 3; 2003 QE<sub>10</sub> \*, 3, 1, 0; 2003 QF<sub>10</sub> \*, 3, 1, 0; 2003 QG<sub>10</sub> \*, 3, 1, 0; 2003 QH<sub>10</sub> \*, 3, 1, 0; 2003 QJ<sub>10</sub> \*, 3, 1, 0; 2003 QK<sub>10</sub> \*, 3, 1, 0; 2003 QL<sub>10</sub> \*, 3, 1, 0; 2003 QM<sub>10</sub> \*, 6, 2, 29; 2003 QW<sub>10</sub> \*, 6, 2, 4; 2003 QX<sub>10</sub> \*, 6, 2, 46; 2003 QA<sub>11</sub> \*, 3, 1, 0; 2003 QB<sub>11</sub> \*, 3, 1, 0; 2003 QD<sub>11</sub> \*, 3, 1, 0; 2003 QE<sub>11</sub> \*, 3, 1, 0; 2003 QG<sub>11</sub> \*, 6, 2, 22; 2003 QH<sub>11</sub> \*, 3, 1, 0; 2003 QJ<sub>11</sub> \*, 6, 2, 46; 2003 QK<sub>11</sub> \*, 3, 1, 0; 2003 QN<sub>11</sub> \*, 6, 2, 46; 2003 QS<sub>11</sub> \*, 3, 1, 0; 2003 QT<sub>11</sub> \*, 6, 2, 2; 2003 QU<sub>11</sub> \*, 3, 1, 0; 2003 QV<sub>11</sub> \*, 3, 1, 0; 2003 QW<sub>11</sub> \*, 3, 1, 0; 2003 QX<sub>11</sub> \*, 3, 1, 0; 2003 QY<sub>11</sub> \*, 6, 2, 2; 2003 QZ<sub>11</sub> \*, 6, 2, 2; 2003 QA<sub>12</sub> \*, 6, 2, 31; 2003 QJ<sub>12</sub> \*, 3, 1, 0; 2003 QK<sub>12</sub> \*, 12, 4, 530; 2003 QM<sub>12</sub> \*, 3, 1, 0; 2003 QN<sub>12</sub> \*, 6, 2, 29; 2003 QO<sub>12</sub> \*, 6, 2, 17; 2003 QP<sub>12</sub> \*, 9, 2, 29; 2003 QT<sub>12</sub> \*, 6, 2, 29; 2003 QU<sub>12</sub> \*, 3, 1, 0; 2003 QV<sub>12</sub> \*, 3, 1, 0; 2003 QW<sub>12</sub> \*, 15, 4, 437; 2003 QX<sub>12</sub> \*, 3, 1, 0; 2003 QY<sub>12</sub> \*, 3, 1, 0; 2003 QZ<sub>12</sub> \*, 3, 1, 0; 2003 QM<sub>13</sub> \*, 3, 1, 0; 2003 QN<sub>13</sub> \*, 3, 1, 0; 2003 QO<sub>13</sub> \*, 3, 1, 0; 2003 QP<sub>13</sub> \*, 3, 1, 0; 2003 QT<sub>13</sub> \*, 3, 1, 0; 2003 QU<sub>13</sub> \*, 3, 1, 0; 2003 QV<sub>13</sub> \*, 3, 1, 0; 2003 QW<sub>13</sub> \*, 3, 1, 0; 2003 QX<sub>13</sub> \*, 3, 1, 0; 2003 QY<sub>13</sub> \*, 3, 1, 0; 2003 QZ<sub>13</sub> \*, 3, 1, 0; 2003 QA<sub>14</sub> \*, 6, 2, 2; 2003 QB<sub>14</sub> \*, 9, 2, 3; 2003 QC<sub>14</sub> \*, 6, 2, 2; 2003 QD<sub>14</sub> \*, 6, 2, 2; 2003 QE<sub>14</sub> \*, 6, 2, 2; 2003 QF<sub>14</sub> \*, 9, 3, 30; 2003 QG<sub>14</sub> \*, 6, 2, 3; 2003 QH<sub>14</sub> \*, 6, 2, 3; 2003 QJ<sub>14</sub> \*, 9, 3, 31; 2003 QK<sub>14</sub> \*, 6, 2, 2; 2003 QL<sub>14</sub> \*, 6, 2, 2; 2003 QM<sub>14</sub> \*, 6, 2, 2; 2003 QN<sub>14</sub> \*, 6, 2, 2; 2003 QO<sub>14</sub> \*, 6, 2, 2; 2003 QP<sub>14</sub> \*, 6, 2, 2; 2003 QQ<sub>14</sub> \*, 9, 3, 30; 2003 QR<sub>14</sub> \*, 6, 2, 2; 2003 QS<sub>14</sub> \*, 9, 2, 3; 2003 QT<sub>14</sub> \*, 6, 2,

3, 1, 0; 2003 QO<sub>19</sub> \*, 3, 1, 0; 2003 QP<sub>19</sub> \*, 6, 2, 3; 2003 QQ<sub>19</sub> \*, 9, 3, 501; 2003 QR<sub>19</sub> \*, 3, 1, 0; 2003 QS<sub>19</sub> \*, 3, 1, 0; 2003 QT<sub>19</sub> \*, 3, 1, 0; 2003 QU<sub>19</sub> \*, 3, 1, 0; 2003 QV<sub>19</sub> \*, 6, 2, 3; 2003 QW<sub>19</sub> \*, 3, 1, 0; 2003 QX<sub>19</sub> \*, 3, 1, 0; 2003 QY<sub>19</sub> \*, 6, 2, 3; 2003 QZ<sub>19</sub> \*, 3, 1, 0; 2003 QA<sub>20</sub> \*, 3, 1, 0; 2003 QB<sub>20</sub> \*, 3, 1, 0; 2003 QC<sub>20</sub> \*, 3, 1, 0; 2003 QD<sub>20</sub> \*, 3, 1, 0; 2003 QE<sub>20</sub> \*, 3, 1, 0; 2003 QF<sub>20</sub> \*, 6, 1, 0; 2003 QG<sub>20</sub> \*, 3, 1, 0; 2003 QH<sub>20</sub> \*, 3, 1, 0; 2003 QJ<sub>20</sub> \*, 3, 1, 0; 2003 QK<sub>20</sub> \*, 3, 1, 0; 2003 QL<sub>20</sub> \*, 3, 1, 0; 2003 QM<sub>20</sub> \*, 3, 1, 0; 2003 QN<sub>20</sub> \*, 3, 1, 0; 2003 QO<sub>20</sub> \*, 3, 1, 0; 2003 QP<sub>20</sub> \*, 3, 1, 0; 2003 QQ<sub>20</sub> \*, 3, 1, 0; 2003 QR<sub>20</sub> \*, 6, 1, 0; 2003 QS<sub>20</sub> \*, 3, 1, 0; 2003 QT<sub>20</sub> \*, 3, 1, 0; 2003 QU<sub>20</sub> \*, 3, 1, 0; 2003 QV<sub>20</sub> \*, 3, 1, 0; 2003 QW<sub>20</sub> \*, 3, 1, 0; 2003 QX<sub>20</sub> \*, 3, 1, 0; 2003 QY<sub>20</sub> \*, 3, 1, 0; 2003 QZ<sub>20</sub> \*, 3, 1, 0; 2003 QA<sub>21</sub> \*, 3, 1, 0; 2003 QB<sub>21</sub> \*, 3, 1, 0; 2003 QC<sub>21</sub> \*, 3, 1, 0; 2003 QD<sub>21</sub> \*, 3, 1, 0; 2003 QE<sub>21</sub> \*, 3, 1, 0; 2003 QF<sub>21</sub> \*, 3, 1, 0; 2003 QG<sub>21</sub> \*, 3, 1, 0; 2003 QH<sub>21</sub> \*, 3, 1, 0; 2003 QJ<sub>21</sub> \*, 3, 1, 0; 2003 QK<sub>21</sub> \*, 3, 1, 0; 2003 QL<sub>21</sub> \*, 3, 1, 0; 2003 QM<sub>21</sub> \*, 3, 1, 0; 2003 QN<sub>21</sub> \*, 3, 1, 0; 2003 QO<sub>21</sub> \*, 3, 1, 0; 2003 QP<sub>21</sub> \*, 3, 1, 0; 2003 QQ<sub>21</sub> \*, 3, 1, 0; 2003 QR<sub>21</sub> \*, 3, 1, 0; 2003 QS<sub>21</sub> \*, 6, 1, 0; 2003 QT<sub>21</sub> \*, 3, 1, 0; 2003 QU<sub>21</sub> \*, 3, 1, 0; 2003 QV<sub>21</sub> \*, 3, 1, 0; 2003 QW<sub>21</sub> \*, 9, 2, 8; 2003 QX<sub>21</sub> \*, 6, 2, 8; 2003 QY<sub>21</sub> \*, 6, 2, 8; 2003 QZ<sub>21</sub> \*, 3, 1, 0; 2003 QD<sub>22</sub> \*, 6, 1, 0; 2003 QE<sub>22</sub> \*, 6, 1, 0; 2003 QF<sub>22</sub> \*, 6, 1, 0; 2003 QG<sub>22</sub> \*, 6, 2, 8; 2003 QH<sub>22</sub> \*, 6, 2, 8; 2003 QJ<sub>22</sub> \*, 6, 2, 8; 2003 QK<sub>22</sub> \*, 6, 2, 8; 2003 QL<sub>22</sub> \*, 3, 1, 0; 2003 QM<sub>22</sub> \*, 6, 2, 8; 2003 QN<sub>22</sub> \*, 6, 2, 8; 2003 QO<sub>22</sub> \*, 3, 1, 0; 2003 QP<sub>22</sub> \*, 3, 1, 0; 2003 QQ<sub>22</sub> \*, 3, 1, 0; 2003 QR<sub>22</sub> \*, 6, 1, 0; 2003 QS<sub>22</sub> \*, 3, 1, 0; 2003 QT<sub>22</sub> \*, 3, 1, 0; 2003 QU<sub>22</sub> \*, 3, 1, 0; 2003 QV<sub>22</sub> \*, 3, 1, 0; 2003 QW<sub>22</sub> \*, 3, 1, 0; 2003 QX<sub>22</sub> \*, 6, 2, 3; 2003 QY<sub>22</sub> \*, 9, 3, 8; 2003 QZ<sub>22</sub> \*, 3, 1, 0; 2003 QA<sub>23</sub> \*, 3, 1, 0; 2003 QB<sub>23</sub> \*, 6, 1, 0; 2003 QC<sub>23</sub> \*, 6, 2, 3; 2003 QD<sub>23</sub> \*, 3, 1, 0; 2003 QE<sub>23</sub> \*, 3, 1, 0; 2003 QF<sub>23</sub> \*, 3, 1, 0; 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3, 1, 0; 2003 QV<sub>35</sub> \*, 3, 1, 0; 2003 QW<sub>35</sub> \*, 3, 1, 0; 2003 QX<sub>35</sub> \*, 3, 1, 0; 2003 QZ<sub>35</sub> \*, 3, 1, 0; 2003 QC<sub>36</sub> \*, 3, 1, 0; 2003 QE<sub>36</sub> \*, 3, 1, 0; 2003 QF<sub>36</sub> \*, 3, 1, 0; 2003 QL<sub>36</sub> \*, 6, 2, 3; 2003 QM<sub>36</sub> \*, 6, 2, 3; 2003 QN<sub>36</sub> \*, 6, 2, 3; 2003 QO<sub>36</sub> \*, 3, 1, 0; 2003 QP<sub>36</sub> \*, 3, 1, 0; 2003 QQ<sub>36</sub> \*, 6, 2, 3; 2003 QR<sub>36</sub> \*, 6, 2, 3; 2003 QS<sub>36</sub> \*, 3, 1, 0; 2003 QT<sub>36</sub> \*, 3, 1, 0; 2003 QA<sub>37</sub> \*, 6, 2, 3; 2003 QB<sub>37</sub> \*, 6, 2, 3; 2003 QC<sub>37</sub> \*, 9, 2, 3; 2003 QD<sub>37</sub> \*, 6, 2, 3; 2003 QE<sub>37</sub> \*, 6, 2, 3; 2003 QF<sub>37</sub> \*, 6, 2, 3; 2003 QG<sub>37</sub> \*, 6, 2, 3; 2003 QJ<sub>37</sub> \*, 6, 2, 3; 2003 QK<sub>37</sub> \*, 6, 2, 3; 2003 QM<sub>37</sub> \*, 3, 1, 0; 2003 QN<sub>37</sub> \*, 12, 3, 29; 2003 QO<sub>37</sub> \*, 3, 1, 0; 2003 QP<sub>37</sub> \*, 6, 2, 1; 2003 QQ<sub>37</sub> \*, 9, 3, 6; 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## 645 Apache Point–Sloan Digital Sky Survey

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Observers Sloan Digital Sky Survey Collaboration

Measurers Z. Ivezić, M. Jurić, R. Lupton, S. Tabachnik, T. Quinn

2.5-m SDSS Telescope + SDSS camera

UCAC-1

1978 VF<sub>8</sub>, 2, 1, 0; 1981 DJ<sub>3</sub>, 2, 1, 0; 1981 EM<sub>28</sub>, 2, 1, 0; 1981 EV<sub>47</sub>, 2, 1, 0; 1984 BH<sub>6</sub>, 4, 2, 6; 1992 SP<sub>17</sub>, 2, 1, 0; 1993 FU<sub>56</sub>, 2, 1, 0; 1993 TV<sub>20</sub>, 2, 1, 0; 1993 TB<sub>30</sub>, 6, 3, 35; 1994 BG<sub>2</sub>, 2, 1,

0; 1994 PG<sub>12</sub>, 2, 1, 0; 1994 TR<sub>6</sub>, 2, 1, 0; 1994 WK<sub>4</sub>, 2, 1, 0; 1995 FA, 2, 1, 0; 1995 FB<sub>19</sub>, 4, 2, 1; 1995 HG<sub>5</sub>, 4, 2, 7; 1995 MN<sub>4</sub>, 2, 1, 0; 1995 OW<sub>13</sub>, 4, 2, 1; 1995 QU<sub>5</sub>, 2, 1, 0; 1995 SZ<sub>25</sub>, 2, 1, 0; 1995 SN<sub>77</sub>, 2, 1, 0; 1995 UX<sub>76</sub>, 4, 2, 5; 1995 WB<sub>15</sub>, 2, 1, 0; 1995 WQ<sub>27</sub>, 2, 1, 0; 1996 AJ<sub>18</sub>, 2, 1, 0; 1996 NO<sub>1</sub>, 2, 1, 0; 1996 TK<sub>37</sub>, 2, 1, 0; 1996 VS<sub>27</sub>, 2, 1, 0; 1997 BE<sub>6</sub>, 2, 1, 0; 1997 EN<sub>47</sub>, 4, 2, 1; 1997 WR<sub>24</sub>, 2, 1, 0; 1998 BK<sub>21</sub>, 2, 1, 0; 1998 FK<sub>91</sub>, 2, 1, 0; 1998 HM<sub>10</sub>, 2, 1, 0; 1998 HH<sub>23</sub>, 2, 1, 0; 1998 HY<sub>26</sub>, 2, 1, 0; 1998 HU<sub>53</sub>, 2, 1, 0; 1998 HB<sub>107</sub>, 2, 1, 0; 1998 HE<sub>108</sub>, 2, 1, 0; 1998 HP<sub>122</sub>, 2, 1, 0; 1998 KO<sub>32</sub>, 2, 1, 0; 1998 MV<sub>1</sub>, 2, 1, 0; 1998 RK<sub>27</sub>, 2, 1, 0; 1998 SB, 2, 1, 0; 1998 SK<sub>4</sub>, 2, 1, 0; 1998 SR<sub>75</sub>, 2, 1, 0; 1998 SB<sub>78</sub>, 2, 1, 0; 1998 SY<sub>86</sub>, 2, 1, 0; 1998 SH<sub>88</sub>, 2, 1, 0; 1998 SK<sub>93</sub>, 2, 1, 0; 1998 SG<sub>103</sub>, 2, 1, 0; 1998 SG<sub>169</sub>, 2, 1, 0; 1998 SC<sub>171</sub>, 2, 1, 0; 1998 TX<sub>36</sub>, 2, 1, 0; 1998 UQ<sub>8</sub>, 4, 2, 6; 1998 UA<sub>9</sub>, 2, 1, 0; 1998 VK<sub>15</sub>, 2, 1, 0; 1998 VO<sub>37</sub>, 4, 2, 29; 1998 VA<sub>52</sub>, 2, 1, 0; 1998 VG<sub>53</sub>, 2, 1, 0; 1998 WB<sub>14</sub>, 2, 1, 0; 1998 WD<sub>14</sub>, 2, 1, 0; 1998 XU, 2, 1, 0; 1998 XW, 2, 1, 0; 1998 XK<sub>13</sub>, 2, 1, 0; 1998 XV<sub>20</sub>, 2, 1, 0; 1998 XJ<sub>29</sub>, 2, 1, 0; 1998 YP<sub>20</sub>, 2, 1, 0; 1998 YH<sub>23</sub>, 2, 1, 0; 1999 AS<sub>4</sub>, 2, 1, 0; 1999 BL<sub>2</sub>, 2, 1, 0; 1999 BM<sub>3</sub>, 4, 2, 45; 1999 BE<sub>12</sub>, 2, 1, 0; 1999 BP<sub>14</sub>, 2, 1, 0; 1999 CP<sub>36</sub>, 2, 1, 0; 1999 CH<sub>47</sub>, 2, 1, 0; 1999 CC<sub>73</sub>, 2, 1, 0; 1999 CS<sub>98</sub>, 2, 1, 0; 1999 CS<sub>115</sub>, 2, 1, 0; 1999 CA<sub>129</sub>, 2, 1, 0; 1999 EM<sub>7</sub>, 2, 1, 0; 1999 FZ<sub>7</sub>, 2, 1, 0; 1999 FC<sub>8</sub>, 2, 1, 0; 1999 FB<sub>20</sub>, 4, 2, 1; 1999 FJ<sub>20</sub>, 2, 1, 0; 1999 FW<sub>20</sub>, 2, 1, 0; 1999 FD<sub>28</sub>, 2, 1, 0; 1999 FL<sub>51</sub>, 2, 1, 0; 1999 FO<sub>62</sub>, 2, 1, 0; 1999 FA<sub>63</sub>, 2, 1, 0; 1999 FB<sub>63</sub>, 2, 1, 0; 1999 GV<sub>13</sub>, 2, 1, 0; 1999 GR<sub>33</sub>, 2, 1, 0; 1999 GN<sub>42</sub>, 4, 2, 1; 1999 GV<sub>44</sub>, 2, 1, 0; 1999 GY<sub>54</sub>, 4, 2, 1; 1999 GM<sub>56</sub>, 2, 1, 0; 1999 GY<sub>62</sub>, 2, 1, 0; 1999 HN<sub>3</sub>, 2, 1, 0; 1999 JH<sub>5</sub>, 2, 1, 0; 1999 JN<sub>8</sub>, 2, 1, 0; 1999 JF<sub>10</sub>, 2, 1, 0; 1999 JN<sub>12</sub>, 2, 1, 0; 1999 JO<sub>28</sub>, 2, 1, 0; 1999 JE<sub>42</sub>, 4, 2, 4; 1999 JF<sub>45</sub>, 2, 1, 0; 1999 JD<sub>67</sub>, 2, 1, 0; 1999 JO<sub>74</sub>, 2, 1, 0; 1999 JS<sub>94</sub>, 2, 1, 0; 1999 JY<sub>97</sub>, 2, 1, 0; 1999 JH<sub>98</sub>, 2, 1, 0; 1999 KF<sub>1</sub>, 2, 1, 0; 1999 NU<sub>2</sub>, 1, 0; 1999 NK<sub>60</sub>, 2, 1, 0; 1999 OE, 2, 1, 0; 1999 RD<sub>17</sub>, 4, 2, 7; 1999 RG<sub>17</sub>, 2, 1, 0; 1999 RJ<sub>37</sub>, 2, 1, 0; 1999 RT<sub>81</sub>, 2, 1, 0; 1999 RD<sub>82</sub>, 4, 2, 59; 1999 RF<sub>86</sub>, 2, 1, 0; 1999 RQ<sub>89</sub>, 2, 1, 0; 1999 RT<sub>109</sub>, 2, 1, 0; 1999 RV<sub>136</sub>, 2, 1, 0; 1999 RB<sub>144</sub>, 2, 1, 0; 1999 RP<sub>144</sub>, 4, 2, 3; 1999 RH<sub>147</sub>, 4, 2, 27; 1999 RB<sub>163</sub>, 4, 2, 59; 1999 RN<sub>164</sub>, 2, 1, 0; 1999 RV<sub>166</sub>, 2, 1, 0; 1999 RK<sub>177</sub>, 2, 1, 0; 1999 RW<sub>191</sub>, 2, 1, 0; 1999 RO<sub>234</sub>, 2, 1, 0; 1999 SA<sub>15</sub>, 2, 1, 0; 1999 TV<sub>65</sub>, 2, 1, 0; 1999 TU<sub>71</sub>, 2, 1, 0; 1999 TJ<sub>81</sub>, 2, 1, 0; 1999 TF<sub>103</sub>, 2, 1, 0; 1999 TP<sub>109</sub>, 2, 1, 0; 1999 TJ<sub>126</sub>, 2, 1, 0; 1999 TH<sub>152</sub>, 2, 1, 0; 1999 TY<sub>165</sub>, 2, 1, 0; 1999 TN<sub>191</sub>, 2, 1, 0; 1999 TF<sub>216</sub>, 2, 1, 0; 1999 TP<sub>249</sub>, 2, 1, 0; 1999 TD<sub>270</sub>, 2, 1, 0; 1999 UV<sub>3</sub>, 4, 1, 0; 1999 UF<sub>5</sub>, 2, 1, 0; 1999 UW<sub>25</sub>, 2, 1, 0; 1999 UL<sub>26</sub>, 2, 1, 0; 1999 UZ<sub>38</sub>, 2, 1, 0; 1999 VL<sub>21</sub>, 4, 2, 59; 1999 VS<sub>44</sub>, 2, 1, 0; 1999 VO<sub>76</sub>, 4, 2, 1; 1999 VM<sub>78</sub>, 4, 2, 59; 1999 VD<sub>79</sub>, 2, 1, 0; 1999 VR<sub>87</sub>, 2, 1, 0; 1999 VJ<sub>97</sub>, 2, 1, 0; 1999 VY<sub>103</sub>, 2, 1, 0; 1999 VQ<sub>148</sub>, 4, 2, 1; 1999 VB<sub>178</sub>, 2, 1, 0; 1999 VS<sub>178</sub>, 2, 1, 0; 1999 VT<sub>181</sub>, 2, 1, 0; 1999 XV<sub>41</sub>, 2, 1, 0; 1999 XV<sub>93</sub>, 2, 1, 0; 1999 XP<sub>134</sub>, 2, 1, 0; 1999 XX<sub>159</sub>, 2, 1, 0; 1999 XB<sub>161</sub>, 2, 1, 0; 1999 XH<sub>233</sub>, 2, 1, 0; 1999 YP<sub>3</sub>, 2, 1, 0; 2000 AM<sub>45</sub>, 4, 2, 5; 2000 AC<sub>47</sub>, 4, 2, 5; 2000 AP<sub>48</sub>, 2, 1, 0; 2000 AY<sub>49</sub>, 2, 1, 0; 2000 AG<sub>78</sub>, 2, 1, 0; 2000 AX<sub>88</sub>, 4, 2, 7; 2000 AN<sub>152</sub>, 2, 1, 0; 2000 AU<sub>163</sub>, 4, 2, 1; 2000 AB<sub>181</sub>, 6, 3, 9; 2000 AP<sub>188</sub>, 2, 1, 0; 2000 AG<sub>207</sub>, 8, 4, 26; 2000 AQ<sub>244</sub>, 2, 1, 0; 2000 BV, 2, 1, 0; 2000 BP<sub>22</sub>, 6, 3, 26; 2000 BK<sub>28</sub>, 2, 1, 0; 2000 BH<sub>44</sub>, 6, 3, 6; 2000 CD<sub>6</sub>, 2, 1, 0; 2000 CQ<sub>33</sub>, 2, 1, 0; 2000 CK<sub>66</sub>, 2, 1, 0; 2000 CQ<sub>88</sub>, 2, 1, 0; 2000 CX<sub>114</sub>, 2, 1, 0; 2000 DD<sub>2</sub>, 2, 1, 0; 2000 DD<sub>17</sub>, 2, 1, 0; 2000 DT<sub>23</sub>, 6, 3, 9; 2000 DV<sub>47</sub>, 4, 2, 1; 2000 DZ<sub>50</sub>, 2, 1, 0; 2000 DA<sub>77</sub>, 2, 1, 0; 2000 DW<sub>78</sub>, 4, 2, 1; 2000 EA<sub>24</sub>, 2, 1, 0; 2000 ET<sub>29</sub>, 6, 3, 9; 2000 EW<sub>30</sub>, 2, 1, 0; 2000 EO<sub>42</sub>, 4, 2, 1; 2000 EC<sub>59</sub>, 2, 1, 0; 2000 EH<sub>68</sub>, 2, 1, 0; 2000 ER<sub>100</sub>, 2, 1, 0; 2000 EC<sub>103</sub>, 2, 1, 0; 2000 ET<sub>104</sub>, 2, 1, 0; 2000 ED<sub>115</sub>, 2, 1, 0; 2000 EL<sub>132</sub>, 2, 1, 0; 2000 ED<sub>136</sub>, 4, 2, 8; 2000 EX<sub>158</sub>, 2, 1, 0; 2000 EU<sub>196</sub>, 2, 1, 0; 2000 FG<sub>3</sub>, 2, 1, 0; 2000 FY<sub>8</sub>, 6, 3, 6; 2000 FU<sub>14</sub>, 6, 3, 26; 2000 FD<sub>26</sub>, 2, 1, 0; 2000 FT<sub>35</sub>, 4, 2, 594; 2000 FM<sub>41</sub>, 2, 1, 0; 2000 FD<sub>45</sub>, 2, 1, 0; 2000 FC<sub>47</sub>, 2, 1, 0; 2000 FO<sub>56</sub>, 2, 1, 0; 2000 GN, 2, 1, 0; 2000 GG<sub>11</sub>, 2, 1, 0; 2000 GS<sub>17</sub>, 2, 1, 0; 2000 GB<sub>37</sub>, 2, 1, 0; 2000 GC<sub>39</sub>, 2, 1, 0; 2000 GA<sub>43</sub>, 2, 1, 0; 2000 GT<sub>45</sub>, 2, 1, 0; 2000 GD<sub>47</sub>, 8, 4, 29; 2000 GM<sub>71</sub>, 2, 1, 0; 2000 GP<sub>78</sub>, 2, 1, 0; 2000 GA<sub>80</sub>, 2, 1, 0; 2000 GU<sub>88</sub>, 2, 1, 0; 2000 GV<sub>89</sub>, 2, 1, 0; 2000 GZ<sub>89</sub>, 2, 1, 0; 2000 GS<sub>95</sub>, 2, 1, 0; 2000 GM<sub>118</sub>, 2, 1, 0; 2000 GT<sub>118</sub>, 4, 2, 1; 2000 GE<sub>132</sub>, 2, 1, 0; 2000 GN<sub>136</sub>, 2, 1, 0; 2000 GS<sub>140</sub>, 2, 1, 0; 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2000 KX<sub>6</sub>, 2, 1, 0; 2000 KP<sub>21</sub>, 2, 1, 0; 2000 KC<sub>61</sub>, 2, 1, 0; 2000 KX<sub>69</sub>, 2, 1, 0; 2000 KM<sub>73</sub>, 2, 1, 0; 2000 LP<sub>13</sub>, 2, 1, 0; 2000 LP<sub>16</sub>, 2, 1, 0; 2000 LS<sub>21</sub>, 2, 1, 0; 2000 LW<sub>21</sub>, 2, 1, 0; 2000 LR<sub>32</sub>, 2, 1, 0; 2000 LS<sub>32</sub>, 2, 1, 0; 2000 MF<sub>2</sub>, 2, 1, 0; 2000 MM<sub>4</sub>, 2, 1, 0; 2000 NA, 4



2000 RG<sub>13</sub>, 2, 1, 0; 2000 RE<sub>47</sub>, 2, 1, 0; 2000 RM<sub>52</sub>, 2, 1, 0; 2000 RX<sub>54</sub>, 2, 1, 0; 2000 SH<sub>30</sub>, 2, 1, 0; 2000 SM<sub>35</sub>, 2, 1, 0; 2000 SM<sub>40</sub>, 2, 1, 0; 2000 SL<sub>65</sub>, 2, 1, 0; 2000 SU<sub>66</sub>, 4, 2, 1; 2000 SJ<sub>71</sub>, 4, 2, 1; 2000 SN<sub>79</sub>, 2, 1, 0; 2000 SJ<sub>82</sub>, 2, 1, 0; 2000 SZ<sub>91</sub>, 2, 1, 0; 2000 SP<sub>94</sub>, 2, 1, 0; 2000 SU<sub>97</sub>, 2, 1, 0; 2000 SY<sub>111</sub>, 2, 1, 0; 2000 SC<sub>114</sub>, 2, 1, 0; 2000 ST<sub>119</sub>, 2, 1, 0; 2000 SU<sub>142</sub>, 2, 1, 0; 2000 SU<sub>183</sub>, 2, 1, 0; 2000 SE<sub>192</sub>, 6, 3, 4; 2000 SU<sub>197</sub>, 2, 1, 0; 2000 SK<sub>216</sub>, 2, 1, 0; 2000 SJ<sub>218</sub>, 2, 1, 0; 2000 ST<sub>218</sub>, 2, 1, 0; 2000 SD<sub>222</sub>, 2, 1, 0; 2000 SE<sub>242</sub>, 2, 1, 0; 2000 SL<sub>243</sub>, 4, 2, 1; 2000 SD<sub>255</sub>, 2, 1, 0; 2000 SC<sub>259</sub>, 2, 1, 0; 2000 SQ<sub>265</sub>, 2, 1, 0; 2000 SN<sub>309</sub>, 2, 1, 0; 2000 SH<sub>317</sub>, 2, 1, 0; 2000 SV<sub>322</sub>, 2, 1, 0; 2000 SD<sub>333</sub>, 2, 1, 0; 2000 SF<sub>348</sub>, 2, 1, 0; 2000 SP<sub>350</sub>, 2, 1, 0; 2000 SS<sub>352</sub>, 2, 1, 0; 2000 SH<sub>355</sub>, 2, 1, 0; 2000 SZ<sub>357</sub>, 2, 1, 0; 2000 TK<sub>3</sub>, 2, 1, 0; 2000 TV<sub>19</sub>, 4, 2, 1; 2000 TB<sub>24</sub>, 4, 2, 1; 2000 TC<sub>27</sub>, 2, 1, 0; 2000 TQ<sub>37</sub>, 2, 1, 0; 2000 TK<sub>38</sub>, 2, 1, 0; 2000 TW<sub>38</sub>, 2, 1, 0; 2000 TG<sub>39</sub>, 2, 1, 0; 2000 TH<sub>42</sub>, 2, 1, 0; 2000 TG<sub>44</sub>, 2, 1, 0; 2000 TD<sub>50</sub>, 2, 1, 0; 2000 TC<sub>52</sub>, 2, 1, 0; 2000 TA<sub>57</sub>, 2, 1, 0; 2000 TH<sub>59</sub>, 2, 1, 0; 2000 UF<sub>2</sub>, 2, 1, 0; 2000 UA<sub>6</sub>, 4, 2, 1; 2000 UF<sub>50</sub>, 2, 1, 0; 2000 UT<sub>109</sub>, 2, 1, 0; 2000 VA<sub>6</sub>, 2, 1, 0; 2000 VD<sub>14</sub>, 2, 1, 0; 2000 VE<sub>19</sub>, 2, 1, 0; 2000 VB<sub>48</sub>, 2, 1, 0; 2000 WZ<sub>3</sub>, 2, 1, 0; 2000 WH<sub>13</sub>, 4, 2, 1; 2000 WY<sub>51</sub>, 2, 1, 0; 2000 WD<sub>135</sub>, 2, 1, 0; 2000 WK<sub>147</sub>, 2, 1, 0; 2000 WS<sub>167</sub>, 2, 1, 0; 2000 XL<sub>2</sub>, 2, 1, 0; 2000 XH<sub>47</sub>, 2, 1, 0; 2000 YH<sub>68</sub>, 2, 1, 0; 2000 YF<sub>105</sub>, 2, 1, 0; 2000 YD<sub>129</sub>, 2, 1, 0; 2001 AC<sub>34</sub>, 2, 1, 0; 2001 BH<sub>35</sub>, 2, 1, 0; 2001 BN<sub>41</sub>, 2, 1, 0; 2001 BA<sub>61</sub>, 2, 1, 0; 2001 BF<sub>80</sub>, 6, 2, 82; 2001 DU<sub>64</sub>, 2, 1, 0; 2001 DE<sub>69</sub>, 4, 2, 59; 2001 DX<sub>80</sub>, 4, 2, 61; 2001 DW<sub>104</sub>, 2, 1, 0; 2001 EX<sub>3</sub>, 2, 1, 0; 2001 EK<sub>4</sub>, 2, 1, 0; 2001 EU<sub>7</sub>, 4, 2, 1; 2001 EO<sub>9</sub>, 6, 3, 21; 2001 EO<sub>13</sub>, 4, 2, 1; 2001 ET<sub>16</sub>, 2, 1, 0; 2001 EC<sub>26</sub>, 2, 1, 0; 2001 EF<sub>27</sub>, 2, 1, 0; 2001 FF<sub>73</sub>, 4, 2, 1; 2001 FC<sub>89</sub>, 2, 1, 0; 2001 FT<sub>122</sub>, 2, 1, 0; 2001 FQ<sub>153</sub>, 6, 3, 7; 2001 FQ<sub>176</sub>, 4, 2, 5; 2001 GZ<sub>10</sub>, 4, 2, 1; 2001 HS<sub>3</sub>, 2, 1, 0; 2001 HP<sub>66</sub>, 6, 3, 505; 2001 HB<sub>67</sub>, 2, 1, 0; 2001 JT<sub>4</sub>, 4, 2, 6; 2001 JQ<sub>3</sub>, 2, 1, 0; 2001 JO<sub>5</sub>, 4, 2, 1; 2001 KA<sub>15</sub>, 2, 1, 0; 2001 KX<sub>16</sub>, 2, 1, 0; 2001 KK<sub>63</sub>, 4, 2, 1; 2001 LO<sub>9</sub>, 2, 1, 0; 2001 ME<sub>4</sub>, 2, 1; 2001 MM<sub>9</sub>, 2, 1, 0; 2001 MC<sub>16</sub>, 2, 1, 0; 2001 MM<sub>24</sub>, 2, 1, 0; 2001 NT<sub>2</sub>, 2, 1, 0; 2001 NF<sub>13</sub>, 2, 1, 0; 2001 NS<sub>20</sub>, 2, 1, 0; 2001 NZ<sub>21</sub>, 2, 1, 0; 2001 OC<sub>5</sub>, 2, 1, 0; 2001 OA<sub>12</sub>, 2, 1, 0; 2001 OE<sub>16</sub>, 2, 1, 0; 2001 OK<sub>25</sub>, 2, 1, 0; 2001 OW<sub>43</sub>, 2, 1, 0; 2001 OE<sub>51</sub>, 2, 1, 0; 2001 OP<sub>53</sub>, 2, 1, 0; 2001 OL<sub>56</sub>, 2, 1, 0; 2001 OA<sub>60</sub>, 2, 1, 0; 2001 OG<sub>70</sub>, 2, 1, 0; 2001 ON<sub>70</sub>, 2, 1, 0; 2001 OC<sub>71</sub>, 2, 1, 0; 2001 OE<sub>71</sub>, 2, 1, 0; 2001 OL<sub>72</sub>, 2, 1, 0; 2001 OT<sub>75</sub>, 2, 1, 0; 2001 OP<sub>80</sub>, 2, 1, 0; 2001 OC<sub>100</sub>, 2, 1, 0; 2001 OT<sub>102</sub>, 2, 1, 0; 2001 OV<sub>104</sub>, 8, 4, 63; 2001 OA<sub>107</sub>, 2, 1, 0; 2001 OO<sub>107</sub>, 2, 1, 0; 2001 PW<sub>2</sub>, 2, 1, 0; 2001 PL<sub>3</sub>, 2, 1, 0; 2001 PW<sub>4</sub>, 2, 1, 0; 2001 PU<sub>5</sub>, 2, 1, 0; 2001 PW<sub>6</sub>, 2, 1, 0; 2001 PR<sub>7</sub>, 2, 1, 0; 2001 PZ<sub>22</sub>, 2, 1, 0; 2001 PY<sub>25</sub>, 2, 1, 0; 2001 PC<sub>32</sub>, 2, 1, 0; 2001 PK<sub>37</sub>, 2, 1, 0; 2001 PC<sub>38</sub>, 2, 1, 0; 2001 PS<sub>41</sub>, 2, 1, 0; 2001 PH<sub>45</sub>, 2, 1, 0; 2001 PB<sub>62</sub>, 2, 1, 0; 2001 PP<sub>62</sub>, 2, 1, 0; 2001 PV<sub>62</sub>, 4, 2, 1; 2001 PF<sub>65</sub>, 2, 1, 0; 2001 QG<sub>8</sub>, 2, 1, 0; 2001 QW<sub>23</sub>, 2, 1, 0; 2001 QH<sub>24</sub>, 2, 1, 0; 2001 QC<sub>28</sub>, 2, 1, 0; 2001 QT<sub>29</sub>, 8, 4, 6; 2001 QD<sub>35</sub>, 2, 1, 0; 2001 QM<sub>38</sub>, 2, 1, 0; 2001 QF<sub>41</sub>, 2, 1, 0; 2001 QV<sub>43</sub>, 2, 1, 0; 2001 QZ<sub>46</sub>, 2, 1, 0; 2001 QK<sub>51</sub>, 2, 1, 0; 2001 QT<sub>52</sub>, 4, 2, 7; 2001 QK<sub>64</sub>, 2, 1, 0; 2001 QP<sub>65</sub>, 2, 1, 0; 2001 QB<sub>67</sub>, 2, 1, 0; 2001 QE<sub>72</sub>, 2, 1, 0; 2001 QY<sub>73</sub>, 2, 1, 0; 2001 QO<sub>81</sub>, 2, 1, 0; 2001 QT<sub>82</sub>, 2, 1, 0; 2001 QN<sub>83</sub>, 2, 1, 0; 2001 QU<sub>84</sub>, 2, 1, 0; 2001 QR<sub>85</sub>, 2, 1, 0; 2001 QJ<sub>89</sub>, 6, 3, 7; 2001 QL<sub>90</sub>, 2, 1, 0; 2001 QM<sub>91</sub>, 2, 1, 0; 2001 QB<sub>93</sub>, 2, 1, 0; 2001 QL<sub>94</sub>, 2, 1, 0; 2001 QN<sub>101</sub>, 2, 1, 0; 2001 QD<sub>102</sub>, 2, 1, 0; 2001 QH<sub>104</sub>, 2, 1, 0; 2001 QQ<sub>105</sub>, 2, 1, 0; 2001 QT<sub>109</sub>, 2, 1, 0; 2001 QB<sub>116</sub>, 2, 1, 0; 2001 QJ<sub>128</sub>, 2, 1, 0; 2001 QJ<sub>129</sub>, 2, 1, 0; 2001 QU<sub>130</sub>, 4, 1, 0; 2001 QO<sub>135</sub>, 2, 1, 0; 2001 QB<sub>136</sub>, 2, 1, 0; 2001 QK<sub>136</sub>, 2, 1, 0; 2001 QR<sub>136</sub>, 2, 1, 0; 2001 QG<sub>137</sub>, 2, 1, 0; 2001 QT<sub>138</sub>, 2, 1, 0; 2001 QO<sub>139</sub>, 2, 1, 0; 2001 QF<sub>141</sub>, 4, 2, 1; 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2001 QG<sub>261</sub>, 2, 1, 0; 2001 QN<sub>263</sub>, 2, 1, 0; 2001 QS<sub>270</sub>, 4, 2, 62; 2001 QR<sub>271</sub>, 2, 1, 0; 2001 QE<sub>275</sub>, 2, 1, 0; 2001 QY<sub>277</sub>, 2, 1, 0; 2001 QT<sub>278</sub>, 2, 1, 0; 2001 QS<sub>280</sub>, 4, 2, 29; 2001 QD<sub>282</sub>, 2, 1, 0; 2001 QO<sub>282</sub>, 2, 1, 0; 2001 QR<sub>283</sub>, 2, 1, 0; 2001 QL<sub>284</sub>, 4, 2, 1; 2001 QB<sub>285</sub>, 4, 2, 45; 2001 QA<sub>286</sub>, 2, 1, 0; 2001 QG<sub>292</sub>, 2, 1, 0; 2001 QE<sub>297</sub>, 2, 1, 0; 2001 QA<sub>329</sub>, 2, 1, 0; 2001 RQ<sub>6</sub>, 2, 1, 0; 2001 RL<sub>14</sub>, 2, 1, 0; 2001 RD<sub>17</sub>, 2, 1, 0; 2001 RR<sub>27</sub>, 2, 1, 0; 2001 RT<sub>34</sub>, 2, 1, 0; 2001 RR<sub>37</sub>, 2, 1, 0; 2001 RL<sub>41</sub>, 2, 1, 0; 2001 RC<sub>43</sub>, 2, 1, 0; 2001 RE<sub>44</sub>, 4, 2, 3; 2001 RL<sub>44</sub>, 4, 2, 114; 2001 RS<sub>44</sub>, 2, 1, 0; 2001 RZ<sub>49</sub>, 2, 1, 0; 2001 RD<sub>50</sub>, 2, 1, 0; 2001 RO<sub>51</sub>, 2, 1, 0; 2001 RG<sub>56</sub>, 2, 1, 0; 2001 RJ<sub>56</sub>, 2, 1, 0; 2001 RT<sub>63</sub>, 2, 1, 0; 2001 RJ<sub>68</sub>, 2, 1, 0; 2001 RK<sub>71</sub>, 2, 1, 0; 2001 RO<sub>71</sub>, 2, 1, 0; 2001 RN<sub>76</sub>, 2, 1, 0; 2001 RK<sub>77</sub>, 4, 2, 1; 2001 RY<sub>81</sub>, 2, 1, 0; 2001 RE<sub>87</sub>, 2, 1, 0; 2001 RL<sub>87</sub>, 2, 1, 0; 2001 RQ<sub>87</sub>, 2, 1, 0; 2001 RK<sub>90</sub>, 2, 1, 0; 2001 RC<sub>91</sub>, 2, 1, 0; 2001 RN<sub>91</sub>, 2, 1, 0; 2001 RW<sub>97</sub>, 2, 1, 0; 2001 RX<sub>100</sub>, 2, 1, 0; 2001 RD<sub>101</sub>, 2, 1, 0; 2001 RX<sub>101</sub>, 2, 1, 0; 2001 RZ<sub>102</sub>, 2, 1, 0; 2001 RB<sub>121</sub>, 2, 1, 0; 2001 RN<sub>122</sub>, 4, 2, 1; 2001 RE<sub>130</sub>, 2, 1, 0; 2001 RD<sub>141</sub>, 2, 1, 0; 2001 RK<sub>143</sub>, 2, 1, 0; 2001 RN<sub>148</sub>, 2, 1, 0; 2001 SQ<sub>2</sub>, 2, 1, 0; 2001 SU<sub>1</sub>, 2, 1, 0; 2001 SL<sub>4</sub>, 2, 1, 0; 2001 SJ<sub>15</sub>, 2, 1, 0; 2001 ST<sub>19</sub>, 2, 1, 0; 2001 SJ<sub>21</sub>, 2, 1, 0; 2001 SE<sub>22</sub>, 4, 2, 22; 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2001 SM<sub>76</sub>, 2, 1, 0; 2001 SZ<sub>76</sub>, 2, 1, 0; 2001 SJ<sub>79</sub>, 2, 1, 0; 2001 SF<sub>80</sub>, 2, 1, 0; 2001 SO<sub>80</sub>, 6, 3,

2; 2001 SX<sub>93</sub>, 6, 3, 440; 2001 SN<sub>101</sub>, 2, 1, 0; 2001 SZ<sub>105</sub>, 2, 1, 0; 2001 SS<sub>108</sub>, 2, 1, 0; 2001 SR<sub>114</sub>, 6, 3, 28; 2001 SO<sub>118</sub>, 2, 1, 0; 2001 SC<sub>121</sub>, 4, 2, 1; 2001 SS<sub>126</sub>, 2, 1, 0; 2001 SH<sub>129</sub>, 2, 1, 0; 2001 SX<sub>130</sub>, 2, 1, 0; 2001 SZ<sub>131</sub>, 2, 1, 0; 2001 SG<sub>133</sub>, 2, 1, 0; 2001 SE<sub>137</sub>, 2, 1, 0; 2001 SL<sub>144</sub>, 2, 1, 0; 2001 SN<sub>144</sub>, 2, 1, 0; 2001 SC<sub>145</sub>, 2, 1, 0; 2001 SY<sub>147</sub>, 2, 1, 0; 2001 SQ<sub>150</sub>, 2, 1, 0; 2001 SR<sub>151</sub>, 2, 1, 0; 2001 SR<sub>152</sub>, 2, 1, 0; 2001 SP<sub>153</sub>, 2, 1, 0; 2001 ST<sub>155</sub>, 4, 2, 45; 2001 SN<sub>163</sub>, 4, 2, 1; 2001 SB<sub>163</sub>, 2, 1, 0; 2001 SK<sub>165</sub>, 2, 1, 0; 2001 SP<sub>166</sub>, 4, 2, 1; 2001 SA<sub>174</sub>, 2, 1, 0; 2001 SK<sub>176</sub>, 2, 1, 0; 2001 SM<sub>176</sub>, 2, 1, 0; 2001 SV<sub>177</sub>, 4, 2, 967; 2001 SC<sub>178</sub>, 2, 1, 0; 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1, 0; 2001 XZ<sub>44</sub>, 4, 2, 2; 2001 XJ<sub>47</sub>, 2, 1, 0; 2001 XT<sub>48</sub>, 2, 1, 0; 2001 XH<sub>52</sub>, 4, 2, 1; 2001 XA<sub>54</sub>, 2, 1, 0; 2001 XH<sub>55</sub>, 4, 1, 0; 2001 XS<sub>57</sub>, 2, 1, 0; 2001 XW<sub>67</sub>, 2, 1, 0; 2001 XR<sub>68</sub>, 2, 1, 0; 2001 XL<sub>71</sub>, 4, 2, 1; 2001 XZ<sub>72</sub>, 2, 1, 0; 2001 XN<sub>76</sub>, 2, 1, 0; 2001 XB<sub>88</sub>, 2, 1, 0; 2001 XC<sub>94</sub>, 2, 1, 0; 2001 XA<sub>109</sub>, 6, 3, 4; 2001 XQ<sub>115</sub>, 4, 2, 4; 2001 XD<sub>117</sub>, 2, 1, 0; 2001 XZ<sub>118</sub>, 2, 1, 0; 2001 XZ<sub>120</sub>, 2, 1, 0; 2001 XQ<sub>122</sub>, 2, 1, 0; 2001 XX<sub>125</sub>, 2, 1, 0; 2001 XL<sub>126</sub>, 2, 1, 0; 2001 XQ<sub>126</sub>, 4, 2, 1; 2001 XS<sub>136</sub>, 2, 1, 0; 2001 XT<sub>139</sub>, 2, 1, 0; 2001 XN<sub>140</sub>, 2, 1, 0; 2001 XD<sub>148</sub>, 2, 1, 0; 2001 XN<sub>149</sub>, 2, 1, 0; 2001 XT<sub>152</sub>, 2, 1, 0; 2001 XR<sub>159</sub>, 2, 1, 0; 2001 XE<sub>162</sub>, 2, 1, 0; 2001 XW<sub>164</sub>, 4, 2, 2; 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2001 YK<sub>14</sub>, 2, 1, 0; 2001 YB<sub>19</sub>, 4, 2, 2; 2001 YT<sub>21</sub>, 4, 2, 45; 2001 YJ<sub>42</sub>, 2, 1, 0; 2001 YU<sub>44</sub>, 2, 1, 0; 2001 YY<sub>53</sub>, 2, 1, 0; 2001 YM<sub>59</sub>, 4, 2, 62; 2001 YO<sub>59</sub>, 2, 1, 0; 2001 YG<sub>62</sub>, 2, 1, 0; 2001 YC<sub>65</sub>, 2, 1, 0; 2001 YK<sub>73</sub>, 2, 1, 0; 2001 YA<sub>86</sub>, 2, 1, 0; 2001 YZ<sub>86</sub>, 4, 1, 0; 2001 YB<sub>87</sub>, 2, 1, 0; 2001 YV<sub>91</sub>, 2, 1, 0; 2001 YJ<sub>98</sub>, 2, 1, 0; 2001 YM<sub>98</sub>, 2, 1, 0; 2001 YU<sub>101</sub>, 4, 2, 1; 2001 YZ<sub>110</sub>, 4, 2, 1; 2001 YB<sub>111</sub>, 2, 1, 0; 2001 YK<sub>112</sub>, 2, 1, 0; 2001 YO<sub>117</sub>, 2, 1, 0; 2001 YH<sub>122</sub>, 2, 1, 0; 2001 YH<sub>132</sub>, 2, 1, 0; 2001 YF<sub>136</sub>, 2, 1, 0; 2001 YO<sub>137</sub>, 2, 1, 0; 2001 YY<sub>151</sub>, 2, 1, 0; 2001 YF<sub>154</sub>, 2, 1, 0; 2001 YR<sub>154</sub>, 2, 1, 0; 2002 AZ<sub>2</sub>, 2, 1, 0; 2002 AJ<sub>3</sub>, 2, 1, 0; 2002 AB<sub>9</sub>, 2, 1, 0; 2002 AV<sub>9</sub>, 2, 1, 0; 2002 AZ<sub>12</sub>, 4, 2, 562; 2002 AM<sub>15</sub>, 4, 2, 20; 2002 AN<sub>15</sub>, 2, 1, 0; 2002 AH<sub>20</sub>, 2, 1, 0; 2002 AU<sub>20</sub>, 2, 1, 0; 2002 AM<sub>23</sub>, 2, 1, 0; 2002 AU<sub>33</sub>, 2, 1, 0; 2002 AF<sub>36</sub>, 2, 1, 0; 2002 AG<sub>38</sub>, 2, 1, 0; 2002 AS<sub>50</sub>, 4, 2, 1; 2002 AO<sub>62</sub>, 2, 1, 0; 2002 AS<sub>67</sub>, 2, 1, 0; 2002 AO<sub>73</sub>, 2, 1, 0; 2002 AN<sub>74</sub>, 6, 3, 4; 2002 AO<sub>74</sub>, 4, 2, 3; 2002 AE<sub>75</sub>, 2, 1, 0; 2002 AL<sub>75</sub>, 2, 1, 0; 2002 AA<sub>77</sub>, 2, 1, 0; 2002 AM<sub>79</sub>, 2, 1, 0; 2002 AL<sub>80</sub>, 2, 1, 0; 2002 AF<sub>85</sub>, 2, 1, 0; 2002 AX<sub>95</sub>, 2, 1, 0; 2002 AQ<sub>98</sub>, 2, 1, 0; 2002 AV<sub>101</sub>, 2, 1, 0; 2002 AD<sub>116</sub>, 2, 1, 0; 2002 AG<sub>118</sub>, 4, 2, 1; 2002 AT<sub>125</sub>, 2, 1, 0; 2002 AZ<sub>137</sub>, 4, 2, 1; 2002 AL<sub>149</sub>, 4, 2, 470; 2002 AH<sub>158</sub>, 2, 1, 0; 2002 AE<sub>179</sub>, 4, 2, 1; 2002 AX<sub>181</sub>, 2, 1, 0; 2002 AB<sub>186</sub>, 2, 1, 0; 2002 AX<sub>203</sub>, 4, 2, 1; 2002 BW<sub>2</sub>, 4, 2, 1; 2002 BZ<sub>2</sub>, 2, 1, 0; 2002 BP<sub>11</sub>, 4, 2, 2; 2002 BX<sub>23</sub>, 2, 1, 0; 2002 BG<sub>29</sub>, 2, 1, 0; 2002 BU<sub>29</sub>, 2, 1, 0; 2002 BY<sub>29</sub>, 2, 1, 0; 2002 CG<sub>10</sub>, 2, 1, 0; 2002 CC<sub>29</sub>, 2, 1, 0; 2002 CA<sub>46</sub>, 2, 1, 0; 2002 CZ<sub>63</sub>, 2, 1, 0; 2002 CT<sub>79</sub>, 2, 1, 0; 2002 CH<sub>82</sub>, 2, 1, 0; 2002 CV<sub>95</sub>, 4, 2, 3; 2002 CL<sub>127</sub>, 2, 1, 0; 2002 CL<sub>143</sub>, 4, 2, 1; 2002 CU<sub>152</sub>, 2, 1, 0; 2002 CK<sub>156</sub>, 2, 1, 0; 2002 CD<sub>164</sub>, 2, 1, 0; 2002 CL<sub>168</sub>, 2, 1, 0; 2002 CT<sub>195</sub>, 2, 1, 0; 2002 CM<sub>208</sub>, 2, 1, 0; 2002 CU<sub>229</sub>, 4, 2, 20; 2002 CK<sub>251</sub>, 2, 1, 0; 2002 DT<sub>8</sub>, 2, 1, 0; 2002 DA<sub>10</sub>, 2, 1, 0; 2002 EN<sub>2</sub>, 2, 1, 0; 2002 EN<sub>35</sub>, 2, 1, 0; 2002 EL<sub>39</sub>, 2, 1, 0; 2002 EW<sub>55</sub>, 4, 2, 27; 2002 EA<sub>106</sub>, 4, 2, 1; 2002 EB<sub>108</sub>, 2, 1, 0; 2002 EQ<sub>126</sub>, 2, 1, 0; 2002 ET<sub>136</sub>, 2, 1, 0; 2002 EV<sub>141</sub>, 2, 1, 0; 2002 EE<sub>146</sub>, 2, 1, 0; 2002 FS<sub>1</sub>, 2, 1, 0; 2002 FE<sub>14</sub>, 2, 1, 0; 2002 FL<sub>28</sub>, 4, 2, 1; 2002 GS<sub>40</sub>, 2, 1, 0; 2002 GH<sub>66</sub>, 2, 1, 0; 2002 GM<sub>73</sub>, 2, 1, 0; 2002 GQ<sub>102</sub>, 4, 2, 82; 2002 HL<sub>6</sub>, 2, 1, 0; 2002 JG<sub>23</sub>, 2, 1, 0; 2002 JT<sub>38</sub>, 2, 1, 0; 2002 JM<sub>60</sub>, 2, 1, 0; 2002 JF<sub>64</sub>, 2, 1, 0; 2002 JL<sub>97</sub>, 4, 2, 803; 2002 JP<sub>108</sub>, 2, 1, 0; 2002 JD<sub>123</sub>, 2, 1, 0; 2002 KN<sub>4</sub>, 2, 1, 0; 2002 KY<sub>10</sub>, 2, 1, 0; 2002 LA<sub>2</sub>, 2, 1, 0; 2002 LQ<sub>2</sub>, 2, 1, 0; 2002 NU<sub>38</sub>, 2, 1, 0; 2002 PP<sub>2</sub>, 2, 1, 0; 2002 PT<sub>19</sub>, 2, 1, 0; 2002 PL<sub>72</sub>, 10, 5, 26; 2002 PW<sub>72</sub>, 2, 1, 0; 2002 PF<sub>88</sub>, 6, 3, 25; 2002 PO<sub>90</sub>, 4, 2, 5; 2002 PO<sub>155</sub>, 2, 1, 0; 2002 PV<sub>158</sub>, 2, 1, 0; 2002 PH<sub>160</sub>, 2, 1, 0; 2002 PT<sub>163</sub>, 2, 1, 0; 2002 QE<sub>8</sub>, 2, 1, 0; 2002 QZ<sub>10</sub>, 6, 3, 20; 2002 QA<sub>14</sub>, 4, 2, 1; 2002 QD<sub>14</sub>, 2, 1, 0; 2002 QB<sub>15</sub>, 2, 1, 0; 2002 QA<sub>17</sub>, 2, 1, 0; 2002 QF<sub>39</sub>, 2, 1, 0; 2002 QF<sub>51</sub>, 4, 2, 1; 2002 RQ<sub>2</sub>, 4, 2, 83; 2002 RX<sub>3</sub>, 6, 3, 19; 2002 RJ<sub>4</sub>, 2, 1, 0; 2002 RS<sub>26</sub>, 4, 2, 9; 2002 RX<sub>28</sub>, 6, 3, 6; 2002 RM<sub>30</sub>, 2, 1, 0; 2002 RW<sub>35</sub>, 4, 2, 6; 2002 RE<sub>36</sub>, 6, 3, 29; 2002 RR<sub>36</sub>, 4, 2, 20; 2002 RT<sub>55</sub>, 4, 2, 1; 2002 RK<sub>57</sub>, 2, 1, 0; 2002 RJ<sub>70</sub>, 4, 2, 446; 2002 RM<sub>70</sub>, 4, 2, 26; 2002 RR<sub>71</sub>, 4, 2, 1; 2002 RS<sub>72</sub>, 2, 1, 0; 2002 RY<sub>76</sub>, 4, 2, 8; 2002 RF<sub>77</sub>, 4, 2, 28; 2002 RL<sub>77</sub>, 8, 4, 29; 2002 RV<sub>85</sub>, 2, 1, 0; 2002 RX<sub>93</sub>, 4, 2, 20; 2002 RZ<sub>114</sub>, 2, 1, 0; 2002 RJ<sub>117</sub>, 4, 2, 7; 2002 RF<sub>127</sub>, 4, 2, 2; 2002 RL<sub>127</sub>, 2, 1, 0; 2002 RE<sub>131</sub>, 4, 2, 20; 2002 RU<sub>133</sub>, 2, 1, 0; 2002 RF<sub>142</sub>, 4, 2, 5; 2002 RV<sub>142</sub>, 2, 1, 0; 2002 RB<sub>144</sub>, 4, 2, 25; 2002 RE<sub>147</sub>, 4, 2, 28; 2002 RS<sub>147</sub>, 2, 1, 0; 2002 RW<sub>148</sub>, 4, 2, 5; 2002 RQ<sub>153</sub>, 6, 3, 26; 2002 RC<sub>154</sub>, 2, 1, 0; 2002 RY<sub>155</sub>, 2, 1, 0; 2002 RQ<sub>156</sub>, 6, 3, 35; 2002 RH<sub>158</sub>, 4, 2, 1; 2002 RU<sub>158</sub>, 6, 3, 25; 2002 RE<sub>159</sub>, 2, 1, 0; 2002 RG<sub>174</sub>, 6, 3, 29; 2002 RS<sub>176</sub>, 4, 2, 5; 2002 RF<sub>177</sub>, 2, 1, 0; 2002 RH<sub>177</sub>, 4, 2, 5; 2002 RT<sub>178</sub>, 4, 2, 1; 2002 RC<sub>184</sub>, 2, 1, 0; 2002 RW<sub>196</sub>, 2, 1, 0; 2002 RU<sub>205</sub>, 4, 2, 5; 2002 RG<sub>207</sub>, 2, 1, 0; 2002 RW<sub>208</sub>, 2, 1, 0; 2002 RC<sub>209</sub>, 6, 3, 25; 2002 RF<sub>209</sub>, 6, 3, 26; 2002 RV<sub>210</sub>, 4, 2, 5; 2002 RL<sub>223</sub>, 2, 1, 0; 2002 RC<sub>235</sub>, 2, 1, 0; 2002 RQ<sub>237</sub>, 2, 1, 0; 2002 RW<sub>238</sub>, 4, 2, 1; 2002 RF<sub>239</sub>, 2, 1, 0; 2002 SR<sub>1</sub>, 2, 1, 0; 2002 SQ<sub>3</sub>, 6, 3, 25; 2002 SW<sub>3</sub>, 4, 2, 6; 2002 SL<sub>4</sub>, 2, 1, 0; 2002 SX<sub>4</sub>, 2, 1, 0; 2002 SS<sub>5</sub>, 2, 1, 0; 2002 SH<sub>7</sub>, 4, 2, 5; 2002 SH<sub>10</sub>, 2, 1, 0; 2002 SY<sub>13</sub>, 2, 1, 0; 2002 SK<sub>14</sub>, 2, 1, 0; 2002 SD<sub>17</sub>, 2, 1, 0; 2002 SO<sub>17</sub>, 4, 2, 1; 2002 ST<sub>18</sub>, 4, 2, 563; 2002 SC<sub>19</sub>, 2, 1, 0; 2002 SN<sub>20</sub>, 2, 1, 0; 2002 SC<sub>21</sub>, 8, 4, 34; 2002 SK<sub>22</sub>, 4, 2, 8; 2002 SQ<sub>25</sub>, 4, 2, 1; 2002 SU<sub>25</sub>, 2, 1, 0; 2002 SA<sub>26</sub>, 2, 1, 0; 2002 SN<sub>26</sub>, 4, 2, 64; 2002 SA<sub>27</sub>, 2, 1, 0; 2002 SC<sub>35</sub>, 6, 3, 9; 2002 SZ<sub>35</sub>, 2, 1, 0; 2002 SQ<sub>38</sub>, 2, 1, 0; 2002 SL<sub>40</sub>, 8, 4, 26; 2002 SU<sub>43</sub>, 2, 1, 0; 2002 SU<sub>47</sub>, 4, 2, 19; 2002 SF<sub>54</sub>, 2, 1, 0; 2002 SV<sub>55</sub>, 2, 1, 0; 2002 SJ<sub>58</sub>, 4, 2, 6; 2002 SV<sub>58</sub>, 2, 1, 0; 2002 SO<sub>62</sub>, 2, 1, 0; 2002 TC<sub>7</sub>, 2, 1, 0; 2002 TM<sub>10</sub>, 2, 1, 0; 2002 TR<sub>14</sub>, 2, 1, 0; 2002 TX<sub>15</sub>, 6, 3, 9; 2002 TD<sub>16</sub>, 4, 2, 6; 2002 TZ<sub>17</sub>, 2, 1, 0; 2002 TQ<sub>19</sub>, 10, 5, 1511; 2002 TV<sub>19</sub>, 2, 1, 0; 2002 TC<sub>23</sub>, 2, 1, 0; 2002 TG<sub>30</sub>, 2, 1, 0; 2002 TV<sub>32</sub>, 2, 1, 0; 2002 TD<sub>33</sub>, 2, 1, 0; 2002 TQ<sub>33</sub>, 2, 1, 0; 2002 TS<sub>33</sub>, 2, 1, 0; 2002 TS<sub>35</sub>, 2, 1, 0; 2002 TT<sub>49</sub>, 2, 1, 0; 2002 TV<sub>58</sub>, 4, 2, 1; 2002 TG<sub>82</sub>, 2, 1, 0; 2002 TD<sub>92</sub>, 8, 4, 25; 2002 TF<sub>92</sub>, 4, 2, 5; 2002 TZ<sub>92</sub>, 6, 3, 6; 2002 TB<sub>94</sub>, 4, 2, 6; 2002 TE<sub>94</sub>, 6, 3, 26; 2002 TF<sub>94</sub>, 4, 2, 6; 2002 TL<sub>94</sub>, 4, 2, 5; 2002 TJ<sub>97</sub>, 2, 1, 0;

2002 TA<sub>98</sub>, 4, 2, 6; 2002 TH<sub>98</sub>, 4, 2, 1; 2002 TL<sub>98</sub>, 6, 3, 6; 2002 TM<sub>98</sub>, 8, 4, 29; 2002 TW<sub>98</sub>, 4, 2, 1; 2002 TJ<sub>100</sub>, 2, 1, 0; 2002 TA<sub>108</sub>, 2, 1, 0; 2002 TM<sub>112</sub>, 6, 3, 9; 2002 TT<sub>117</sub>, 2, 1, 0; 2002 TH<sub>120</sub>, 2, 1, 0; 2002 TW<sub>123</sub>, 2, 1, 0; 2002 TO<sub>130</sub>, 2, 1, 0; 2002 TL<sub>137</sub>, 4, 2, 1; 2002 TG<sub>145</sub>, 8, 4, 26; 2002 TN<sub>145</sub>, 6, 3, 36; 2002 TK<sub>148</sub>, 4, 2, 1; 2002 TL<sub>149</sub>, 4, 2, 5; 2002 TF<sub>154</sub>, 2, 1, 0; 2002 TM<sub>154</sub>, 4, 2, 1; 2002 TZ<sub>154</sub>, 4, 2, 21; 2002 TS<sub>155</sub>, 2, 1, 0; 2002 TB<sub>160</sub>, 2, 1, 0; 2002 TJ<sub>181</sub>, 2, 1, 0; 2002 TT<sub>202</sub>, 2, 1, 0; 2002 TT<sub>203</sub>, 8, 4, 26; 2002 TX<sub>204</sub>, 4, 2, 1; 2002 TG<sub>205</sub>, 6, 3, 26; 2002 TZ<sub>209</sub>, 4, 2, 1; 2002 TX<sub>214</sub>, 6, 3, 9; 2002 TC<sub>217</sub>, 4, 2, 5; 2002 TZ<sub>222</sub>, 10, 5, 26; 2002 TA<sub>228</sub>, 10, 5, 25; 2002 TA<sub>229</sub>, 6, 3, 9; 2002 TZ<sub>239</sub>, 4, 1, 0; 2002 TE<sub>242</sub>, 6, 3, 7; 2002 TH<sub>245</sub>, 4, 2, 1; 2002 TA<sub>246</sub>, 4, 2, 9; 2002 TU<sub>251</sub>, 8, 4, 34; 2002 TD<sub>252</sub>, 4, 2, 5; 2002 TE<sub>252</sub>, 4, 2, 5; 2002 TF<sub>252</sub>, 4, 2, 6; 2002 TM<sub>252</sub>, 4, 2, 1; 2002 TN<sub>252</sub>, 6, 3, 6; 2002 TE<sub>296</sub>, 8, 4, 29; 2002 TH<sub>296</sub>, 4, 2, 6; 2002 TL<sub>296</sub>, 4, 2, 1; 2002 TN<sub>296</sub>, 4, 2, 5; 2002 TO<sub>296</sub>, 4, 2, 6; 2002 TR<sub>296</sub>, 4, 2, 1; 2002 TZ<sub>299</sub>, 4, 2, 1; 2002 TA<sub>300</sub>, 4, 1, 0; 2002 TG<sub>300</sub>, 6, 3, 9; 2002 TJ<sub>300</sub>, 8, 4, 26; 2002 TM<sub>303</sub>, 6, 3, 6; 2002 TN<sub>303</sub>, 4, 2, 5; 2002 TQ<sub>303</sub> \*, 4, 2, 1; 2002 TR<sub>303</sub> \*, 4, 2, 6; 2002 TS<sub>303</sub> \*, 8, 4, 7; 2002 TT<sub>303</sub> \*, 4, 2, 7; 2002 TU<sub>303</sub> \*, 10, 5, 27; 2002 TV<sub>303</sub> \*, 4, 2, 1; 2002 TW<sub>303</sub> \*, 6, 3, 6; 2002 TX<sub>303</sub> \*, 6, 3, 7; 2002 TY<sub>303</sub> \*, 4, 2, 1; 2002 TZ<sub>303</sub> \*, 4, 2, 1; 2002 TA<sub>304</sub> \*, 4, 2, 1; 2002 TB<sub>304</sub> \*, 6, 3, 7; 2002 TC<sub>304</sub> \*, 4, 2, 1; 2002 TD<sub>304</sub> \*, 8, 4, 27; 2002 TE<sub>304</sub> \*, 8, 4, 27; 2002 TF<sub>304</sub> \*, 6, 3, 7; 2002 TG<sub>304</sub> \*, 6, 3, 7; 2002 TH<sub>304</sub> \*, 4, 2, 6; 2002 TJ<sub>304</sub> \*, 4, 2, 7; 2002 TK<sub>304</sub> \*, 4, 2, 1; 2002 TL<sub>304</sub> \*, 4, 2, 7; 2002 TM<sub>304</sub> \*, 4, 2, 7; 2002 TN<sub>304</sub> \*, 4, 2, 1; 2002 TO<sub>304</sub> \*, 12, 6, 64; 2002 TP<sub>304</sub> \*, 4, 2, 1; 2002 TQ<sub>304</sub> \*, 4, 2, 6; 2002 TR<sub>304</sub> \*, 4, 2, 1; 2002 TS<sub>304</sub> \*, 6, 3, 6; 2002 TT<sub>304</sub> \*, 8, 4, 27; 2002 TU<sub>304</sub> \*, 10, 5, 27; 2002 TV<sub>304</sub> \*, 4, 2, 1; 2002 TX<sub>304</sub> \*, 4, 2, 1; 2002 TY<sub>304</sub> \*, 6, 3, 6; 2002 TZ<sub>304</sub> \*, 4, 2, 1; 2002 TA<sub>305</sub> \*, 4, 2, 1; 2002 TB<sub>305</sub> \*, 4, 2, 1; 2002 TC<sub>305</sub> \*, 4, 2, 1; 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|                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          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| 1, 6; | 2002 TP <sub>312</sub> * | 4, 2, 6; | 2002 TQ <sub>312</sub> * | 10, 5, 34; | 2002 TR <sub>312</sub> * | 4, 2, 7; | 2002 TS <sub>312</sub> * | 4, 2, 1; | 2002 TT <sub>312</sub> * | 10, 5, 34; | 2002 TU <sub>312</sub> * | 8, 4, 7; | 2002 TV <sub>312</sub> * | 4, 2, 1; | 2002 TW <sub>312</sub> * | 4, 2, 1; | 2002 TX <sub>312</sub> * | 4, 2, 1; | 2002 TY <sub>312</sub> * | 4, 2, 1; | 2002 TZ <sub>312</sub> * | 4, 2, 1; | 2002 TA <sub>313</sub> * | 4, 2, 1; | 2002 TB <sub>313</sub> * | 4, 2, 1; | 2002 TC <sub>313</sub> * | 4, 2, 1; | 2002 TD <sub>313</sub> * | 4, 2, 1; | 2002 TE <sub>313</sub> * | 4, 2, 1; | 2002 TF <sub>313</sub> * | 4, 2, 1; | 2002 TG <sub>313</sub> * | 4, 2, 1; | 2002 TH <sub>313</sub> * | 4, 2, 1; | 2002 TJ <sub>313</sub> * | 4, 2, 1; | 2002 TK <sub>313</sub> * | 4, 2, 1; | 2002 TL <sub>313</sub> * | 4, 2, 1; | 2002 TM <sub>313</sub> * | 4, 2, 1; | 2002 TN <sub>313</sub> * | 4, 2, 1; | 2002 TO <sub>313</sub> * | 4, 2, 1; | 2002 TP <sub>313</sub> * | 4, 2, 1; | 2002 TQ <sub>313</sub> * | 4, 2, 1; | 2002 TR <sub>313</sub> * | 4, 2, 1; | 2002 TS <sub>313</sub> * | 4, 2, 1; | 2002 TT <sub>313</sub> * | 4, 2, 1; | 2002 TU <sub>313</sub> * | 4, 2, 1; | 2002 TV <sub>313</sub> * | 4, 2, 1; | 2002 TW <sub>313</sub> * | 4, 2, 1; | 2002 TX <sub>313</sub> * | 4, 2, 1; | 2002 TY <sub>313</sub> * | 4, 2, 1; | 2002 TZ <sub>313</sub> * | 4, 2, 1; | 2002 TA <sub>314</sub> * | 4, 2, 1; | 2002 TB <sub>314</sub> * | 4, 2, 1; | 2002 TC <sub>314</sub> * | 4, 2, 1; | 2002 TD <sub>314</sub> * | 4, 2, 1; | 2002 TE <sub>314</sub> * | 4, 2, 1; | 2002 TF <sub>314</sub> * | 4, 2, 1; | 2002 TG <sub>314</sub> * | 4, 2, 1; | 2002 TH <sub>314</sub> * | 4, 2, 1; | 2002 TJ <sub>314</sub> * | 4, 2, 1; | 2002 TK <sub>314</sub> * | 4, 2, 1; | 2002 TL <sub>314</sub> * | 4, 2, 1; | 2002 TM <sub>314</sub> * | 4, 2, 1; | 2002 TN <sub>314</sub> * | 4, 2, 1; | 2002 TO <sub>314</sub> * | 4, 2, 1; | 2002 TP <sub>314</sub> * | 4, 2, 1; | 2002 TQ <sub>314</sub> * | 4, 2, 1; | 2002 TR <sub>314</sub> * | 4, 2, 1; | 2002 TS <sub>314</sub> * | 4, 2, 1; | 2002 TT <sub>314</sub> * | 4, 2, 1; | 2002 TU <sub>314</sub> * | 4, 2, 1; | 2002 TV <sub>314</sub> * | 4, 2, 1; | 2002 TW <sub>314</sub> * | 4, 2, 1; | 2002 TX <sub>314</sub> * | 4, 2, 1; | 2002 TY <sub>314</sub> * | 4, 2, 1; | 2002 TZ <sub>314</sub> * | 4, 2, 1; | 2002 TA <sub>315</sub> * | 4, 2, 1; | 2002 TB <sub>315</sub> * | 4, 2, 1; | 2002 TC <sub>315</sub> * | 4, 2, 1; | 2002 TD <sub>315</sub> * | 4, 2, 1; | 2002 TE <sub>315</sub> * | 4, 2, 1; | 2002 TF <sub>315</sub> * | 4, 2, 1; | 2002 TG <sub>315</sub> * | 4, 2, 1; | 2002 TH <sub>315</sub> * | 4, 2, 1; | 2002 TJ <sub>315</sub> * | 4, 2, 1; | 2002 TK <sub>315</sub> * | 4, 2, 1; | 2002 TL <sub>315</sub> * | 4, 2, 1; | 2002 TM <sub>315</sub> * | 4, 2, 1; | 2002 TN <sub>315</sub> * | 4, 2, 1; | 2002 TO <sub>315</sub> * | 4, 2, 1; | 2002 TP <sub>315</sub> * | 4, 2, 1; | 2002 TQ <sub>315</sub> * | 4, 2, 1; | 2002 TR <sub>315</sub> * | 4, 2, 1; | 2002 TS <sub>315</sub> * | 4, 2, 1; | 2002 TT <sub>315</sub> * | 4, 2, 1; | 2002 TU <sub>315</sub> * | 4, 2, 1; | 2002 TV <sub>315</sub> * | 4, 2, 1; | 2002 TW <sub>315</sub> * | 4, 2, 1; | 2002 TX <sub>315</sub> * | 4, 2, 1; | 2002 TY <sub>315</sub> * | 4, 2, 1; | 2002 TZ <sub>315</sub> * | 4, 2, 1; | 2002 TA <sub>316</sub> * | 4, 2, 1; | 2002 TB <sub>316</sub> * | 4, 2, 1; | 2002 TC <sub>316</sub> * | 4, 2, 1; | 2002 TD <sub>316</sub> * | 4, 2, 1; | 2002 TE <sub>316</sub> * | 4, 2, 1; | 2002 TF <sub>316</sub> * | 4, 2, 1; | 2002 TG <sub>316</sub> * | 4, 2, 1; | 2002 TH <sub>316</sub> * | 4, 2, 1; | 2002 TJ <sub>316</sub> * | 4, 2, 1; | 2002 TK <sub>316</sub> * | 4, 2, 1; | 2002 TL <sub>316</sub> * | 4, 2, 1; | 2002 TM <sub>316</sub> * | 4, 2, 1; | 2002 TN <sub>316</sub> * | 4, 2, 1; | 2002 TO <sub>316</sub> * | 4, 2, 1; | 2002 TP <sub>316</sub> * | 4, 2, 1; | 2002 TQ <sub>316</sub> * | 4, 2, 1; | 2002 TR <sub>316</sub> * | 4, 2, 1; | 2002 TS <sub>316</sub> * | 4, 2, 1; | 2002 TT <sub>316</sub> * | 4, 2, 1; | 2002 TU <sub>316</sub> * | 4, 2, 1; | 2002 TV <sub>316</sub> * | 4, 2, 1; | 2002 TW <sub>316</sub> * | 4, 2, 1; | 2002 TX <sub>316</sub> * | 4, 2, 1; | 2002 TY <sub>316</sub> * | 4, 2, 1; | 2002 TZ <sub>316</sub> * | 4, 2, 1; | 2002 TA <sub>317</sub> * | 4, 2, 1; | 2002 TB <sub>317</sub> * | 4, 2, 1; | 2002 TC <sub>317</sub> * | 4, 2, 1; | 2002 TD <sub>317</sub> * | 4, 2, 1; | 2002 TE <sub>317</sub> * | 4, 2, 1; | 2002 TF <sub>317</sub> * | 4, 2, 1; | 2002 TG <sub>317</sub> * | 4, 2, 1; | 2002 TH <sub>317</sub> * | 4, 2, 1; | 2002 TJ <sub>317</sub> * | 4, 2, 1; | 2002 TK <sub>317</sub> * | 4, 2, 1; | 2002 TL <sub>317</sub> * | 4, 2, 1; | 2002 TM <sub>317</sub> * | 4, 2, 1; | 2002 TN <sub>317</sub> * | 4, 2, 1; | 2002 TO <sub>317</sub> * | 4, 2, 1; | 2002 TP <sub>317</sub> * | 4, 2, 1; | 2002 TQ <sub>317</sub> * | 4, 2, 1; | 2002 TR <sub>317</sub> * | 4, 2, 1; | 2002 TS <sub>317</sub> * | 4, 2, 1; | 2002 TT <sub>317</sub> * | 4, 2, 1; | 2002 TU <sub>317</sub> * | 4, 2, 1; | 2002 TV <sub>31</sub> |
|-------|--------------------------|----------|--------------------------|------------|--------------------------|----------|--------------------------|----------|--------------------------|------------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|---------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4, 2, 5: 2002 TG3

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| 5, 25; 2002 TD345 *, 4, 2, 6; 2002 TE345 *, 4, 2, 6; 2002 TF345 *, 6, 3, 6; 2002 TG345 *, 8, 4, 2, 6; 2002 TM345 *, 4, 2, 6; 2002 TJ345 *, 4, 2, 6; 2002 TK345 *, 4, 2, 6; 2002 TL345 *, 4, 2, 6; 2002 TR345 *, 4, 2, 6; 2002 TS345 *, 4, 2, 6; 2002 TU345 *, 4, 2, 6; 2002 TV345 *, 4, 2, 6; 2002 TW345 *, 4, 2, 6; 2002 TX345 *, 4, 2, 6; 2002 TY345 *, 4, 2, 6; 2002 TZ345 *, 4, 2, 6; 2002 TA346 *, 4, 2, 6; 2002 TB346 *, 4, 2, 5; 2002 TC346 *, 4, 2, 6; 2002 TD346 *, 8, 4, 25; 2002 TE346 *, 10, 5, 33; 2002 TF346 *, 4, 2, 6; 2002 TG346 *, 8, 4, 25; 2002 TH346 *, 8, 4, 25; 2002 TI346 *, 12, 6, 33; 2002 TJ346 *, 4, 2, 6; 2002 TK346 *, 4, 2, 5; 2002 TL346 *, 4, 2, 5; 2002 TM346 *, 4, 2, 5; 2002 TN346 *, 4, 2, 6; 2002 TO346 *, 4, 2, 6; 2002 TP346 *, 4, 2, 6; 2002 TQ346 *, 4, 2, 6; 2002 TR346 *, 8, 4, 25; 2002 TS346 *, 8, 4, 25; 2002 TT346 *, 4, 2, 5; 2002 TU346 *, 6, 3, 6; 2002 TV346 *, 4, 2, 6; 2002 TW346 *, 8, 4, 25; 2002 TX346 *, 8, 4, 25; 2002 TY346 *, 6, 3, 6; 2002 TZ346 *, 10, 5, 33; 2002 TA347 *, 4, 2, 6; 2002 TB347 *, 4, 2, 6; 2002 TC347 *, 6, 3, 6; 2002 TD347 *, 4, 2, 6; 2002 TE347 *, 4, 2, 5; 2002 TF347 *, 4, 2, 5; 2002 TG347 *, 4, 2, 6; 2002 TH347 *, 4, 2, 6; 2002 TI347 *, 4, 2, 6; 2002 TJ347 *, 4, 2, 6; 2002 TK347 *, 6, 3, 6; 2002 TL347 *, 6, 3, 6; 2002 TM347 *, 4, 2, 5; 2002 TN347 *, 4, 2, 6; 2002 TO347 *, 4, 2, 5; 2002 TP347 *, 4, 2, 6; 2002 TQ347 *, 4, 2, 5; 2002 TR347 *, 4, 2, 6; 2002 TS347 *, 4, 2, 6; 2002 TT347 *, 4, 2, 5; 2002 TU347 *, 8, 4, 25; 2002 TV347 *, 6, 3, 6; 2002 TW347 *, 4, 2, 6; 2002 TX347 *, 4, 2, 6; 2002 TY347 *, 4, 2, 6; 2002 TZ347 *, 4, 2, 5; 2002 TA348 *, 4, 2, 6; 2002 TB348 *, 8, 4, 25; 2002 TC348 *, 10, 5, 26; 2002 TD348 *, 4, 2, 5; 2002 TE348 *, 4, 2, 6; 2002 TF348 *, 4, 2, 6; 2002 TG348 *, 4, 2, 5; 2002 TH348 *, 4, 2, 6; 2002 TI348 *, 4, 2, 5; 2002 TJ348 *, 4, 2, 6; 2002 TK348 *, 4, 2, 6; 2002 TL348 *, 6, 3, 6; 2002 TM348 *, 10, 5, 33; 2002 TN348 *, 4, 2, 5; 2002 TO348 *, 4, 2, 5; 2002 TP348 *, 4, 2, 5; 2002 TQ348 *, 4, 2, 5; 2002 TR348 *, 4, 2, 5; 2002 TS348 *, 4, 2, 5; 2002 TT348 *, 4, 2, 5; 2002 TU348 *, 4, 2, 5; 2002 TV348 *, 4, 2, 5; 2002 TW348 *, 4, 2, 5; 2002 TX348 *, 4, 2, 5; 2002 TY348 *, 4, 2, 5; 2002 TZ348 *, 4, 2, 5; 2002 TA349 *, 4, 2, 5; 2002 TB349 *, 4, 2, 5; 2002 TC349 *, 4, 2, 5; 2002 TD349 *, 4, 2, 5; 2002 TE349 *, 4, 2, 5; 2002 TF349 *, 4, 2, 1; 2002 TG349 *, 4, 2, 1; 2002 TH349 *, 4, 2, 1; 2002 TI349 *, 4, 2, 1; 2002 TJ349 *, 4, 2, 1; 2002 TK349 *, 4, 2, 1; 2002 TL349 *, 4, 2, 1; 2002 TM349 *, 4, 2, 1; 2002 TN349 *, 4, 2, 1; 2002 TO349 *, 4, 2, 1; 2002 TP349 *, 4, 2, 1; 2002 TQ349 *, 4, 2, 1; 2002 TR349 *, 4, 2, 1; 2002 TS349 *, 4, 2, 1; 2002 TT349 *, 4, 2, 1; 2002 TU349 *, 4, 2, 1; 2002 TV349 *, 4, 2, 1; 2002 TW349 *, 4, 2, 1; 2002 TX349 *, 12, 6, 34; 2002 TY349 *, 4, 2, 1; 2002 TZ349 *, 4, 2, 1; 2002 TA350 *, 4, 2, 1; 2002 TB350 *, 4, 2, 1; 2002 TC350 *, 4, 2, 1; 2002 TD350 *, 8, 4, 26; 2002 TE350 *, 4, 2, 1; 2002 TF350 *, 4, 2, 1; 2002 TG350 *, 4, 2, 1; 2002 TH350 *, 4, 2, 1; 2002 TI350 *, 4, 2, 1; 2002 TJ350 *, 4, 2, 1; 2002 TK350 *, 4, 2, 1; 2002 TL350 *, 4, 2, 1; 2002 TM350 *, 4, 2, 1; 2002 TN350 *, 4, 2, 1; 2002 TO350 *, 4, 2, 1; 2002 TP350 *, 4, 2, 1; 2002 TQ350 *, 4, 2, 1; 2002 TR350 *, 4, 2, 1; 2002 TS350 *, 4, 2, 1; 2002 TT350 *, 4, 2, 1; 2002 TU350 *, 4, 2, 1; 2002 TV350 *, 4, 2, 1; 2002 TW350 *, 4, 2, 1; 2002 TX350 *, 4, 2, 1; 2002 TY350 *, 4, 2, 1; 2002 TZ350 *, 4, 2, 1; 2002 TA351 *, 4, 2, 1; 2002 TB351 *, 4, 2, 1; 2002 TC351 *, 4, 2, 1; 2002 TD351 *, 4, 2, 1; 2002 TE351 *, 4, 2, 1; 2002 TF351 *, 4, 2, 1; 2002 TG351 *, 4, 2, 1; 2002 TH351 *, 4, 2, 1; 2002 TI351 *, 4, 2, 1; 2002 TJ351 *, 4, 2, 1; 2002 TK351 *, 4, 2, 1; 2002 TL351 *, 4, 2, 1; 2002 TM351 *, 4, 2, 1; 2002 TN351 *, 4, 2, 1; 2002 TO351 *, 4, 2, 1; 2002 TP351 *, 4, 2, 1; 2002 TQ351 *, 4, 2, 1; 2002 TR351 *, 4, 2, 1; 2002 TS351 *, 4, 2, 1; 2002 TT351 *, 4, 2, 1; 2002 TU351 *, 4, 2, 1; 2002 TV351 *, 4, 2, 1; 2002 TW351 *, 4, 2, 1; 2002 TX351 *, 4, 2, 1; 2002 TY351 *, 4, 2, 1; 2002 TZ351 *, 4, 2, 1; 2002 TA352 *, 4, 2, 1; 2002 TB352 *, 4, 2, 1; 2002 TC352 *, 4, 2, 1; 2002 TD352 *, 4, 2, 1; 2002 TE352 *, 4, 2, 1; 2002 TF352 *, 4, 2, 1; 2002 TG352 *, 4, 2, 1; 2002 TH352 *, 4, 2, 1; 2002 TI352 *, 4, 2, 1; 2002 TJ352 *, 4, 2, 1; 2002 TK352 *, 4, 2, 1; 2002 TL352 *, 4, 2, 1; 2002 TM352 *, 4, 2, 1; 2002 TN352 *, 4, 2, 1; 2002 TO352 *, 4, 2, 1; 2002 TP352 *, 4, 2, 1; 2002 TQ352 *, 4, 2, 1; 2002 TR352 *, 4, 2, 1; 2002 TS352 *, 4, 2, 1; 2002 TT352 *, 4, 2, 1; 2002 TU352 *, 4, 2, 1; 2002 TV352 *, 4, 2, 1; 2002 TW352 *, 4, 2, 1; 2002 TX352 *, 4, 2, 1; 2002 TY352 *, 4, 2, 1; 2002 TZ352 *, 4, 2, 1; 2002 TA353 *, 4, 2, 1; 2002 TB353 *, 4, 2, 1; 2002 TC353 *, 4, 2, 1; 2002 TD353 *, 4, 2, 1; 2002 TE353 *, 4, 2, 1; 2002 TF353 *, 4, 2, 1; 2002 TG353 *, 4, 2, 1; 2002 TH353 *, 4, 2, 1; 2002 TI353 *, 10, 5, 34; 2002 TJ353 *, 4, 2, 1; 2002 TK353 *, 4, 2, 1; 2002 TL353 *, 4, 2, 1; 2002 TM353 *, 4, 2, 1; 2002 TN353 *, 4, 2, 1; 2002 TO353 *, 4, 2, 1; 20 |
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2002 UV<sub>55</sub> \*, 4, 2, 1; 2002 UW<sub>55</sub> \*, 4, 2, 1; 2002 UX<sub>55</sub> \*, 4, 2, 1; 2002 UY<sub>55</sub> \*, 4, 2, 1; 2002 UZ<sub>55</sub> \*, 4, 2, 1; 2002 UA<sub>56</sub> \*, 4, 2, 9; 2002 UB<sub>56</sub> \*, 4, 2, 1; 2002 UC<sub>56</sub> \*, 4, 2, 1; 2002 UD<sub>56</sub> \*, 8, 4, 27; 2002 UE<sub>56</sub> \*, 4, 2, 1; 2002 UF<sub>56</sub> \*, 4, 2, 1; 2002 UG<sub>56</sub> \*, 4, 2, 1; 2002 UH<sub>56</sub> \*, 4, 2, 1; 2002 UI<sub>56</sub> \*, 4, 2, 9; 2002 UJ<sub>56</sub> \*, 6, 3, 9; 2002 UK<sub>56</sub> \*, 4, 2, 1; 2002 UL<sub>56</sub> \*, 4, 2, 1; 2002 UM<sub>56</sub> \*, 4, 2, 1; 2002 UN<sub>56</sub> \*, 4, 2, 1; 2002 UO<sub>56</sub> \*, 4, 2, 1; 2002 UP<sub>56</sub> \*, 4, 2, 1; 2002 UQ<sub>56</sub> \*, 4, 2, 1; 2002 UR<sub>56</sub> \*, 4, 2, 1; 2002 US<sub>56</sub> \*, 4, 2, 1; 2002 UT<sub>56</sub> \*, 4, 2, 1; 2002 UV<sub>56</sub> \*, 4, 2, 1; 2002 UW<sub>56</sub> \*, 4, 2, 1; 2002 UX<sub>56</sub> \*, 4, 2, 1; 2002 UY<sub>56</sub> \*, 4, 2, 9; 2002 UZ<sub>56</sub> \*, 4, 2, 1; 2002 UA<sub>57</sub> \*, 4, 2, 1; 2002 UB<sub>57</sub> \*, 4, 2, 9; 2002 UC<sub>57</sub> \*, 4, 2, 9; 2002 UD<sub>57</sub> \*, 4, 2, 1; 2002 UE<sub>57</sub> \*, 4, 2, 1; 2002 UF<sub>57</sub> \*, 4, 2, 1; 2002 UG<sub>57</sub> \*, 4, 2, 9; 2002 UH<sub>57</sub> \*, 4, 2, 1; 2002 UI<sub>57</sub> \*, 4, 2, 1; 2002 UJ<sub>57</sub> \*, 4, 2, 1; 2002 UK<sub>57</sub> \*, 10, 5, 33; 2002 UL<sub>57</sub> \*, 4, 2, 1; 2002 UM<sub>57</sub> \*, 4, 2, 1; 2002 UN<sub>57</sub> \*, 4, 2, 9; 2002 UO<sub>57</sub> \*, 10, 5, 33; 2002 UP<sub>57</sub> \*, 4, 2, 1; 2002 UQ<sub>57</sub> \*, 4, 2, 1; 2002 UR<sub>57</sub> \*, 4, 2, 1; 2002 US<sub>57</sub> \*, 4, 2, 1; 2002 UT<sub>57</sub> \*, 4, 2, 1; 2002 UV<sub>57</sub> \*, 4, 2, 1; 2002 UW<sub>57</sub> \*, 4, 2, 9; 2002 UX<sub>57</sub> \*, 4, 2, 1; 2002 UY<sub>57</sub> \*, 4, 2, 1; 2002 UZ<sub>57</sub> \*, 4, 2, 1; 2002 UA<sub>58</sub> \*, 4, 2, 9; 2002 UB<sub>58</sub> \*, 4, 2, 1; 2002 UC<sub>58</sub> \*, 4, 2, 1; 2002 UD<sub>58</sub> \*, 4, 2, 1; 2002 UE<sub>58</sub> \*, 8, 4, 33; 2002 UF<sub>58</sub> \*, 4, 2, 1; 2002 UG<sub>58</sub> \*, 4, 2, 1; 2002 UH<sub>58</sub> \*, 4, 2, 1; 2002 UI<sub>58</sub> \*, 4, 2, 1; 2002 UJ<sub>58</sub> \*, 6, 3, 9; 2002 UK<sub>58</sub> \*, 4, 2, 1; 2002 UL<sub>58</sub> \*, 4, 2, 1; 2002 UM<sub>58</sub> \*, 4, 2, 1; 2002 UN<sub>58</sub> \*, 4, 2, 1; 2002 UO<sub>58</sub> \*, 10, 5, 34; 2002 UP<sub>58</sub> \*, 4, 2, 2; 2002 UQ<sub>58</sub> \*, 6, 3, 9; 2002 UR<sub>58</sub> \*, 8, 4, 9; 2002 US<sub>58</sub> \*, 4, 2, 1; 2002 UT<sub>58</sub> \*, 4, 2, 1; 2002 UV<sub>58</sub> \*, 4, 2, 9; 2002 UW<sub>58</sub> \*, 4, 2, 1; 2002 UX<sub>58</sub> \*, 8, 4, 27; 2002 UY<sub>58</sub> \*, 6, 3, 3; 2002 UZ<sub>58</sub> \*, 4, 2, 1; 2002 UA<sub>59</sub> \*, 8, 4, 20; 2002 UB<sub>59</sub> \*, 4, 2, 1; 2002 UC<sub>59</sub> \*, 4, 2, 2; 2002 UD<sub>59</sub> \*, 6, 3, 2; 2002 UE<sub>59</sub> \*, 8, 4, 9; 2002 UF<sub>59</sub> \*, 4, 2, 9; 2002 UG<sub>59</sub> \*, 4, 2, 1; 2002 UH<sub>59</sub> \*, 4, 2, 1; 2002 UI<sub>59</sub> \*, 4, 2, 1; 2002 UJ<sub>59</sub> \*, 4, 2, 1; 2002 UK<sub>59</sub> \*, 4, 2, 9; 2002 UL<sub>59</sub> \*, 4, 2, 1; 2002 UM<sub>59</sub> \*, 6, 3, 2; 2002 UN<sub>59</sub> \*, 4, 2, 2; 2002 UO<sub>59</sub> \*, 6, 3, 2; 2002 UP<sub>59</sub> \*, 4, 2, 2; 2002 UQ<sub>59</sub> \*, 4, 2, 1; 2002 UR<sub>59</sub> \*, 4, 2, 9; 2002 US<sub>59</sub> \*, 4, 2, 9; 2002 UT<sub>59</sub> \*, 4, 2, 1; 2002 UV<sub>59</sub> \*, 4, 2, 2; 2002 UW<sub>59</sub> \*, 4, 2, 2; 2002 UX<sub>59</sub> \*, 4, 2, 2; 2002 UY<sub>59</sub> \*, 4, 2, 9; 2002 UZ<sub>59</sub> \*, 4, 2, 9; 2002 UA<sub>60</sub> \*, 4, 2, 2; 2002 UB<sub>60</sub> \*, 4, 2, 9; 2002 UC<sub>60</sub> \*, 4, 2, 2; 2002 UD<sub>60</sub> \*, 4, 2, 2; 2002 UE<sub>60</sub> \*, 4, 2, 9; 2002 UF<sub>60</sub> \*, 4, 2, 2; 2002 UG<sub>60</sub> \*, 4, 2, 9; 2002 UH<sub>60</sub> \*, 4, 2, 2; 2002 UI<sub>60</sub> \*, 4, 2, 2; 2002 UJ<sub>60</sub> \*, 4, 2, 2; 2002 UK<sub>60</sub> \*, 4, 2, 2; 2002 UL<sub>60</sub> \*, 4, 2, 9; 2002 UM<sub>60</sub> \*, 4, 2, 2; 2002 UN<sub>60</sub> \*, 4, 2, 9; 2002 UO<sub>60</sub> \*, 4, 2, 2; 2002 UP<sub>60</sub> \*, 4, 2, 2; 2002 UQ<sub>60</sub> \*, 4, 2, 2; 2002 UR<sub>60</sub> \*, 4, 2, 2; 2002 US<sub>60</sub> \*, 4, 2, 2; 2002 UT<sub>60</sub> \*, 4, 2, 2; 2002 UV<sub>60</sub> \*, 4, 2, 2; 2002 UW<sub>60</sub> \*, 4, 2, 2; 2002 UX<sub>60</sub> \*, 4, 2, 9; 2002 UY<sub>60</sub> \*, 4, 2, 9; 2002 UZ<sub>60</sub> \*, 4, 2, 2; 2002 UA<sub>61</sub> \*, 10, 5, 33; 2002 UB<sub>61</sub> \*, 4, 2, 2; 2002 UC<sub>61</sub> \*, 4, 2, 2; 2002 UD<sub>61</sub> \*, 4, 2, 1; 2002 UE<sub>61</sub> \*, 4, 2, 1; 2002 UF<sub>61</sub> \*, 4, 2, 1; 2002 UG<sub>61</sub> \*, 4, 2, 1; 2002 UH<sub>61</sub> \*, 4, 2, 1; 2002 UI<sub>61</sub> \*, 4, 2, 1; 2002 UJ<sub>61</sub> \*, 4, 2, 1; 2002 UK<sub>61</sub> \*, 4, 2, 1; 2002 UL<sub>61</sub> \*, 4, 2, 1; 2002 UM<sub>61</sub> \*, 4, 2, 1; 2002 UN<sub>61</sub> \*, 4, 2, 1; 2002 UO<sub>61</sub> \*, 4, 2, 1; 2002 UP<sub>61</sub> \*, 4, 2, 1; 2002 UQ<sub>61</sub> \*, 4, 2, 1; 2002 UR<sub>61</sub> \*, 4, 2, 1; 2002 US<sub>61</sub> \*, 4, 2, 1; 2002 UT<sub>61</sub> \*, 4, 2, 1; 2002 UV<sub>61</sub> \*, 4, 2, 1; 2002 UZ<sub>61</sub> \*, 4, 2, 1; 2002 UA<sub>62</sub> \*, 4, 2, 1; 2002 UB<sub>62</sub> \*, 4, 2, 1; 2002 UC<sub>62</sub> \*, 4, 2, 1; 2002 UD<sub>62</sub> \*, 4, 2, 1; 2002 UE<sub>62</sub> \*, 4, 2, 1; 2002 UF<sub>62</sub> \*, 4, 2, 1; 2002 UG<sub>62</sub> \*, 4, 2, 1; 2002 UH<sub>62</sub> \*, 4, 2, 1; 2002 UI<sub>62</sub> \*, 4, 2, 1; 2002 UJ<sub>62</sub> \*, 4, 2, 1; 2002 UK<sub>62</sub> \*, 4, 2, 1; 2002 UL<sub>62</sub> \*, 4, 2, 1; 2002 UM<sub>62</sub> \*, 4, 2, 1; 2002 UN<sub>62</sub> \*, 4, 2, 1; 2002 UO<sub>62</sub> \*, 4, 2, 1; 2002 UP<sub>62</sub> \*, 4, 2, 1; 200

[illegible]

2003 QV<sub>33</sub>, 2, 1, 0; 2003 QO<sub>34</sub>, 2, 1, 0; 2003 QR<sub>40</sub>, 2, 1, 0; 2003 QL<sub>41</sub>, 2, 1, 0; 2003 QR<sub>48</sub>, 2, 1, 0; 2003 QN<sub>52</sub>, 2, 1, 0; 2003 QX<sub>52</sub>, 2, 1, 0; 2003 QJ<sub>54</sub>, 2, 1, 0; 2216 P-L, 4, 1, 0; 6697 P-L, 2, 1, 0; 7582 P-L, 4, 2, 1; 4342 T-1, 2, 1, 0; 1216 T-2, 2, 1, 0; 2139 T-2, 2, 1, 0; 3078 T-2, 2, 1, 0; 3420 T-2, 2, 1, 0; 4089 T-2, 2, 1, 0; 4729 T-2, 2, 1, 0; 2364 T-3, 2, 1, 0; 2614 T-3, 2, 1, 0; (59115), 2, 1, 0; (59186), 2, 1, 0; (59232), 2, 1, 0; (59419), 2, 1, 0; (59466), 2, 1, 0; (59688), 4, 2, 83; (60557), 2, 1, 0; (60680), 2, 1, 0; (60747), 2, 1, 0; (60804), 2, 1, 0; (60805), 2, 1, 0; (60825), 2, 1, 0; (60905), 2, 1, 0; (60908), 2, 1, 0; (60919), 2, 1, 0; (60967), 2, 1, 0; (61031), 2, 1, 0; (61043), 2, 1, 0; (61070), 2, 1, 0; (61073), 2, 1, 0; (61102), 2, 1, 0; (61508), 2, 1, 0; (61519), 2, 1, 0; (61548), 2, 1, 0; (61693), 2, 1, 0; (61845), 2, 1, 0; (61858), 2, 1, 0; (62084), 2, 1, 0; (62236), 2, 1, 0; (62300), 2, 1, 0; (62436), 2, 1, 0; (62463), 2, 1, 0; (62474), 2, 1, 0; (62544), 2, 1, 0; (62618), 2, 1, 0; (62776), 2, 1, 0; (62962), 2, 1, 0; (63435), 2, 1, 0; (63463), 2, 1, 0; (63558), 2, 1, 0; (63559), 2, 1, 0; (63603), 2, 1, 0; (63629), 2, 1, 0; (63699), 2, 1, 0; (63726), 2, 1, 0; (63827), 2, 1, 0; (63892), 2, 1, 0; (63896), 2, 1, 0; (63927), 2, 1, 0; (64047), 2, 1, 0; (64129), 2, 1, 0; (64209), 2, 1, 0; (64230), 2, 1, 0; (64297), 2, 1, 0; (64300), 2, 1, 0; (64306), 4, 1, 0; (64308), 2, 1, 0; (64315), 2, 1, 0; (64376), 2, 1, 0; (64390), 2, 1, 0; (64451), 2, 1, 0; (64463), 2, 1, 0; (64527), 2, 1, 0; (64545), 2, 1, 0; (64580), 2, 1, 0; (64651), 2, 1, 0; (64707), 2, 1, 0; (64759), 2, 1, 0; (64827), 2, 1, 0; (65487), 2, 1, 0; (65601), 2, 1, 0; [14368, 3968, 2209\*, 1998/09/19–2003/03/07]

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R. Trentman, D. Young, R. Wright, R. Gruenke, J. Alburty, G. Geldhof

0.75-m Newtonian + CCD, 0.3-m Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2

1996 GT, 4, 1, 0; 1999 VY<sub>173</sub>, 3, 1, 0; 2000 TK<sub>38</sub>, 3, 1, 0; 2001 AA<sub>50</sub>, 3, 1, 0; 2001 KB<sub>67</sub>, 3, 1, 0; 2002 AS<sub>200</sub>, 3, 1, 0; 2002 PQ<sub>162</sub>, 3, 1, 0; 2002 TP<sub>360</sub>, 3, 1, 0; 2002 XG<sub>49</sub>, 3, 1, 0; 2003 DE<sub>6</sub>, 3, 1, 0; 2003 HM<sub>16</sub>, 4, 1, 0; 2003 KZ<sub>18</sub>, 3, 1, 0; 2003 LG, 3, 1, 0; 2003 LN<sub>6</sub>, 13, 3, 3; 2003 LO<sub>6</sub>, 9, 2, 5; 2003 LP<sub>6</sub>, 4, 1, 0; 2003 MA, 10, 3, 14; 2003 MM, 3, 1, 0; 2003 MO, 10, 3, 7; 2003 MT, 9, 3, 9; 2003 MU, 3, 1, 0; 2003 MA<sub>2</sub>, 4, 1, 0; 2003 MZ<sub>2</sub>, 3, 1, 0; 2003 MA<sub>3</sub>, 10, 3, 6; 2003 MK<sub>4</sub>, 18, 6, 11; 2003 MC<sub>7</sub>, 7, 2, 21; 2003 MD<sub>7</sub>, 13, 4, 13; 2003 MV<sub>7</sub>, 3, 1, 0; 2003 MW<sub>7</sub>, 10, 3, 8; 2003 MJ<sub>9</sub>, 3, 1, 0; 2003 MS<sub>9</sub>, 3, 1, 0; 2003 MT<sub>9</sub>, 12, 4, 10; 2003 NB, 2, 1, 0; 2003 NC, 9, 3, 6; 2003 ND, 6, 2, 14; 2003 NW, 3, 1, 0; 2003 NX, 3, 1, 0; 2003 NY, 3, 1, 0; 2003 NZ, 3, 1, 0; 2003 NW<sub>1</sub>, 3, 1, 0; 2003 NO<sub>4</sub>, 13, 4, 21; 2003 NZ<sub>6</sub>, 25, 4, 7; 2003 NK<sub>7</sub>, 3, 1, 0; 2003 NL<sub>7</sub>, 6, 2, 2; 2003 NP<sub>7</sub>, 3, 1, 0; 2003 OC<sub>3</sub>, 4, 1, 0; 2003 OQ<sub>13</sub>, 3, 1, 0; 2003 OR<sub>13</sub>, 3, 1, 0; 2003 OS<sub>13</sub>, 6, 2, 14; 2003 OT<sub>13</sub>, 3, 1, 0; 2003 OX<sub>16</sub>, 3, 1, 0; 2003 PR<sub>11</sub>, 3, 1, 0; 2003 QA, 3, 1, 0; 2003 QQ<sub>47</sub>, 4, 1, 0; 2003 RM, 4, 1, 0; 2003 RC<sub>2</sub>, 7, 2, 1; 2003 RD<sub>2</sub>, 7, 2, 1; 2003 RE<sub>2</sub>, 3, 1, 0; (2100), 8, 2, 12; (4587), 4, 1, 0; (7822), 3, 1, 0; (23977), 3, 1, 0; (37655), 9, 2, 1; (54509), 4, 1, 0; [354, 64, 0\*, 1999/10/29–2003/09/04]

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[mcgaha@skepticus.com]

0.62-m  $f/5.1$  Newtonian + CCD

USNO-A2.0

2003 MA, 3, 1, 0; 2003 MM, 3, 1, 0; 2003 MN, 3, 1, 0; 2003 MO, 3, 1, 0; 2003 MD<sub>7</sub>, 3, 1, 0; 2003 ME<sub>7</sub>, 2, 1, 0; 2003 MF<sub>7</sub>, 1, 1, 0; 2003 MS<sub>9</sub>, 3, 1, 0; 2003 PM<sub>5</sub>, 3, 1, 0; 2003 PN<sub>5</sub>, 3, 1, 0; [27, 10, 0\*, 2003/06/17–2003/08/05]

### 652 Sandringham, Calgary

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[Calgarian@canada.com]

0.47-m  $f/3.0$  reflector + CCD

(25811), 2, 1, 0; [2, 1, 0\*, 2000/02/17]

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G. C. L. Aikman, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [aikman@seameadow.com] (2)

Observers J. Clem, J. A. Stoesz, K. Thanjavur, G. B. Poole

Measurers J. Clem, D. D. Balam, J. A. Stoesz, G. B. Poole

1.82-m Plaskett telescope + CCD

USNO-A2.0

{1} 2000 QU<sub>62</sub>, 3, 1, 0; 2000 WE<sub>163</sub>, 3, 1, 0; 2001 DC<sub>70</sub>, 3, 1, 0; [9, 3, 0\*, 1994/03/19–1998/09/29]

{2} 2001 SZ<sub>224</sub>, 2, 1, 0; [2, 1, 0\*, 1994/10/29]

### 662 Lick

M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [buie@lowell.edu]

Observers E. Chiang, A. B. Jordan, M. W. Buie

Measurer M. W. Buie

3-m telescope + CCD

USNO-A2.0, global solutions

2000 SW<sub>98</sub>, 2, 1, 0; 2002 EV<sub>3</sub>, 2, 1, 0; (12609), 2, 1, 0; [6, 3, 0\*, 2002/03/15]

### 670 Camarillo

J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A.

[72401.3174@CompuServe.com]

0.30-m  $f/6.7$  Helin Telescope + CCD

USNO-A2.0

1997 AE<sub>12</sub>, 3, 1, 0; 1998 FH<sub>12</sub>, 2, 1, 0; 1998 QH<sub>2</sub>, 4, 2, 7; 2000 OL<sub>8</sub>, 3, 1, 0; 2000 PJ<sub>6</sub>, 1, 1, 0; 2000 YJ<sub>66</sub>, 3, 1, 0; 2001 BJ<sub>16</sub>, 2, 1, 0; 2001 LF<sub>3</sub>, 3, 1, 0; 2001 XR<sub>31</sub>, 4, 2, 9; 2002 CZ<sub>46</sub>, 5, 2, 7; 2002 OA<sub>22</sub>, 2, 1, 0; 2002 YB<sub>12</sub>, 2, 1, 0; 2003 FT<sub>3</sub>, 2, 1, 0; 2003 GA, 1, 1, 0; 2003 GY, 4, 2, 3; 2003 HW<sub>11</sub>, 2, 1, 0; 2003 HM<sub>16</sub>, 3, 1, 0; 2003 HA<sub>22</sub>, 2, 1, 0; 2003 KP<sub>2</sub>, 3, 1, 0; 2003 KR<sub>18</sub>, 2, 1, 0; 2003 LG, 2, 1, 0; 2003 LS<sub>3</sub>, 3, 1, 0; 2003 LC<sub>5</sub>, 2, 1, 0; 2003 MA, 2, 1, 0; 2003 MO, 2, 1, 0; 2003 MT, 2, 1, 0; 2003 ME<sub>1</sub>, 3, 1, 0; 2003 MF<sub>1</sub>, 3, 1, 0; 2003 MT<sub>2</sub>, 9, 3, 25; 2003 MK<sub>4</sub>, 3, 1, 0; 2003 MC<sub>7</sub>, 2, 1, 0; 2003 MV<sub>7</sub>, 3, 1, 0; 2003 NB, 7, 3, 25; 2003 ND, 4, 2, 7; 2003 NL<sub>7</sub>, 5, 2, 7; 2003 OS<sub>13</sub>, 1, 1, 0; 2003 OT<sub>13</sub>, 3, 1, 0; 2003 OR<sub>14</sub>, 2, 1, 0; 2003 PC<sub>11</sub>, 1, 1, 0; 2003 QA, 3, 1, 0; 2003 QC, 4, 2, 3; 2003 QH<sub>5</sub>, 2, 1, 0; 2003 QC<sub>10</sub>, 2, 1, 0; 2003 QQ<sub>10</sub>, 5, 2, 3; 2003 QY<sub>29</sub>, 5, 2, 3; 2003 QZ<sub>29</sub>, 5, 2, 3; 2003 QB<sub>30</sub>, 9, 1, 0; 2003 QW<sub>30</sub>, 2, 1, 0; 2003 QZ<sub>30</sub>, 5, 2, 3; 2003 QN<sub>47</sub>, 5, 2, 3; 2003 QR<sub>79</sub>, 2, 1, 0; (4197), 4, 2, 7; (4487), 4, 2, 7; (18882), 1, 1, 0; [170, 54, 0\*, 2003/06/25–2003/08/30]

### 671 Stony Ridge

J. E. Rogers, 441 Rowland Avenue, Camarillo, CA 93010, U.S.A.

[72401.3174@compuserve.com]

Observers S. C. Brewster, J. E. Rogers, P. Sable

0.76-m  $f/6$  reflector + CCD

USNO-A2.0

1991 DG, 2, 1, 0; 1998 SS<sub>49</sub>, 3, 1, 0; 1999 DB<sub>7</sub>, 3, 1, 0; 2002 FG<sub>7</sub>, 4, 1, 0; 2003 MH<sub>4</sub>, 3, 1, 0; 2003 MK<sub>4</sub>, 9, 2, 4; 2003 MT<sub>9</sub>, 3, 1, 0; 2003 OS<sub>6</sub>, 3, 1, 0; [30, 8, 0\*, 2003/07/03–2003/08/03]

### 672 Mount Wilson

B. Duff, 1775 Chelsea Road, San Marino, CA 91108, U.S.A.

[bduff1@pacbell.net]

Observers K. Manno, W. Crane, D. Reyna

0.61-m  $f/3.5$  reflector + CCD

USNO-A2.0, GSC

1997 AE<sub>12</sub>, 1, 1, 0; 2002 OA<sub>22</sub>, 1, 1, 0; 2003 KR<sub>18</sub>, 1, 1, 0; 2003 ND, 1, 1, 0; 2003 QA, 3, 2, 3; 2003 QB<sub>10</sub>, 1, 1, 0; [8, 6, 0\*, 2003/08/18–2003/08/23]

### 673 Table Mountain Observatory, Wrightwood

W. M. Owen, Jr., Jet Propulsion Laboratory 301-150, 4800 Oak Grove Drive, Pasadena, CA 91109-8099, U.S.A. [wmo@wansor.jpl.nasa.gov] (1)

P. Weissman, Jet Propulsion Laboratory, MS 183-601, 4800 Oak Grove Dr., Pasadena, CA 91109, U.S.A. [pweissman@lively.jpl.nasa.gov] (3)

M. Hicks, Jet Propulsion Laboratory, MS 183-501, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [hicksm@scn1.jpl.nasa.gov] (4)

J. Young, Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, CA 91109, U.S.A. [lw7ftt@netscape.net] (5)

Observers J. Young, A. M. Sullivan, C. A. Vazquez, B. Schmidt, B. Herbert, J. Bauer, M. Hicks, H. Young, H. Herbert, A. Grigsby, M. Vale, P. Weissman  
Measurers J. Young, W. M. Owen, Jr, B. Herbert, B. Schmidt, M. Hicks, W. Young, A. M. Sullivan, M. Vale, A. Grigsby

0.61-m  $f/16$  reflector + CCD

USNO-A2.0, UCAC-2

{1} (8), 17, 7, 64; (12), 9, 3, 29; (14), 3, 1, 0; (19), 5, 2, 2; (21), 8, 3, 28; (23), 11, 4, 63; (27), 18, 8, 64; (28), 8, 3, 15; (40), 10, 4, 61; (85), 9, 3, 2; (96), 12, 5, 28; (124), 9, 3, 2; (162), 4, 2, 1; (165), 11, 5, 29; (181), 11, 4, 15; (194), 3, 1, 0; (198), 3, 1, 0; (207), 2, 1, 0; (212), 13, 5, 28; (216), 12, 5, 27; (230), 14, 7, 29; (235), 5, 2, 2; (259), 9, 4, 63; (308), 2, 1, 0; (342), 11, 4, 15; (357), 2, 1, 0; (360), 2, 1, 0; (379), 3, 1, 0; (425), 2, 1, 0; (481), 2, 1, 0; (488), 2, 1, 0; (503), 8, 4, 62; (535), 13, 5, 51; (576), 6, 2, 2; (599), 3, 1, 0; (607), 2, 1, 0; (709), 6, 2, 1; (756), 8, 3, 15; (792), 2, 1, 0; (849), 10, 4, 35; (911), 3, 1, 0; (976), 8, 3, 2; (1312), 13, 5, 28; (1337), 6, 2, 1; (2022), 1, 1, 0; (3003), 13, 5, 15; (3012), 3, 1, 0; (5636), 6, 2, 1; (20427), 3, 1, 0; [346, 49, 0\*, 2003/06/21–2003/08/24]

{3} 2003 PD<sub>11</sub>, 3, 1, 0; [3, 1, 0\*, 2003/08/08]

{4} 2003 NA<sub>7</sub>, 3, 1, 0; [3, 1, 0\*, 2003/07/08]

{5} 1992 UB, 8, 2, 4; 1993 PC, 7, 2, 2; 1994 GY, 6, 2, 2; 1998 FH<sub>12</sub>, 6, 1, 0; 1998 HU<sub>108</sub>, 8, 2, 1; 1999 WK<sub>10</sub>, 8, 2, 1; 1999 XO<sub>141</sub>, 8, 2, 1; 2000 UE<sub>96</sub>, 5, 2, 3; 2001 US<sub>17</sub>, 8, 2, 1; 2002 CZ<sub>46</sub>, 6, 2, 2; 2003 BR<sub>21</sub>, 3, 1, 0; 2003 HN, 7, 2, 1; 2003 HA<sub>22</sub>, 4, 1, 0; 2003 KL<sub>20</sub>, 3, 1, 0; 2003 LD<sub>4</sub>, 3, 1, 0; 2003 LE<sub>6</sub> \*, 10, 3, 9; 2003 LF<sub>6</sub> \*, 10, 3, 9; 2003 LG<sub>6</sub> \*, 6, 2, 1; 2003 LO<sub>6</sub>, 3, 1, 0; 2003 MA, 4, 1, 0; 2003 ME<sub>1</sub>, 4, 1, 0; 2003 MS<sub>2</sub>, 4, 1, 0; 2003 MA<sub>3</sub>, 6, 1, 0; 2003 MD<sub>7</sub>, 5, 1, 0; 2003 MU<sub>7</sub>, 5, 1, 0; 2003 MV<sub>7</sub>, 4, 1, 0; 2003 MW<sub>7</sub>, 6, 1, 0; 2003 MX<sub>7</sub>, 4, 1, 0; 2003 MJ<sub>9</sub>, 4, 1, 0; 2003 NA, 6, 1, 0; 2003 NB, 4, 1, 0; 2003 NC, 4, 1, 0; 2003 ND, 4, 1, 0; 2003 NE, 10, 2, 1; 2003 NG, 4, 1, 0; 2003 NH, 4, 1, 0; 2003 NJ, 4, 1, 0; 2003 NK, 4, 1, 0; 2003 NW, 6, 1, 0; 2003 NZ, 6, 1, 0; 2003 NC<sub>1</sub>, 6, 1, 0; 2003 ND<sub>1</sub>, 6, 1, 0; 2003 NE<sub>1</sub>, 6, 1, 0; 2003 NW<sub>1</sub>, 6, 1, 0; 2003 NF<sub>2</sub> \*, 9, 3, 17; 2003 NG<sub>2</sub> \*, 10, 3, 52; 2003 NQ<sub>2</sub>, 3, 1, 0; 2003 NM<sub>3</sub>, 4, 1, 0; 2003 NO<sub>4</sub>, 4, 1, 0; 2003 NP<sub>4</sub>, 4, 1, 0; 2003 NS<sub>4</sub>, 4, 1, 0; 2003 NT<sub>4</sub>, 3, 1, 0; 2003 NU<sub>4</sub>, 3, 1, 0; 2003 NE<sub>5</sub>, 4, 1, 0; 2003 NJ<sub>7</sub>, 3, 1, 0; 2003 OT \*, 5, 2, 1; 2003 OU, 5, 1, 0; 2003 OA<sub>1</sub>, 7, 2, 1; 2003 OY<sub>1</sub>, 3, 1, 0; 2003 OS<sub>2</sub>, 8, 2, 3; 2003 OU<sub>2</sub>, 3, 1, 0; 2003 OV<sub>2</sub>, 3, 1, 0; 2003 OW<sub>2</sub>, 3, 1, 0; 2003 OX<sub>2</sub>, 3, 1, 0; 2003 OY<sub>2</sub>, 3, 1, 0; 2003 OZ<sub>2</sub>, 3, 1, 0; 2003 OA<sub>3</sub>, 8, 2, 3; 2003 OB<sub>3</sub>, 3, 1, 0; 2003 OC<sub>3</sub>, 15, 3, 2; 2003 OF<sub>3</sub>, 3, 1, 0; 2003 OB<sub>4</sub>, 3, 1, 0; 2003 OX<sub>5</sub>, 3, 1, 0; 2003 OJ<sub>20</sub>, 9, 2, 1; 2003 PA, 4, 1, 0; 2003 PM, 3, 1, 0; 2003 PN, 3, 1, 0; 2003 PO, 3, 1, 0; 2003 PP, 3, 1, 0; 2003 QX<sub>28</sub>, 3, 1, 0; 2003 QB<sub>29</sub>, 3, 1, 0; 2003 QC<sub>29</sub>, 3, 1, 0; 2003 QD<sub>29</sub>, 3, 1, 0; 2003 QE<sub>29</sub>, 3, 1, 0; 2003 QF<sub>29</sub>, 3, 1, 0; 2003 QG<sub>29</sub>, 3, 1, 0; 2003 QH<sub>29</sub>, 3, 1, 0; 2003 QY<sub>29</sub>, 2, 1, 0; 2003 QY<sub>30</sub>, 6, 1, 0; 2003 QM<sub>47</sub>, 3, 1, 0; 2003 QP<sub>47</sub>, 6, 1, 0; 2003 QA<sub>70</sub>, 3, 1, 0; 2003 QB<sub>70</sub>, 3, 1, 0; 2003 QC<sub>70</sub>, 3, 1, 0; 2003 QD<sub>70</sub>, 3, 1, 0; 2003 QF<sub>70</sub>, 6, 1, 0; 2003 QV<sub>72</sub>, 3, 1, 0; 2003 QS<sub>79</sub>, 3, 1, 0; 2003 QT<sub>79</sub>, 3, 1, 0; 2003 QU<sub>79</sub>, 6, 1, 0; 2003 QJ<sub>92</sub> \*, 6, 2, 2; 2003 QQ<sub>92</sub>, 3, 1, 0; 2003 QG<sub>93</sub>, 3, 1, 0; 2003 QH<sub>96</sub>, 2, 1, 0; 2003 QK<sub>99</sub>, 3, 1, 0; 2003 QL<sub>99</sub>, 3, 1, 0; 2003 QM<sub>99</sub>, 3, 1, 0; 2003 RA \*, 6, 2, 1; 2003 RB, 4, 1, 0; 2003 RK, 4, 1, 0; 2003 RM, 3, 1, 0; (2204), 3, 1, 0; (3688), 8, 2, 5; (5879), 6, 2, 1; (8373), 8, 2, 5; [541, 114, 8\*, 2003/01/18–2003/09/03]

## 675 Palomar Mountain

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E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@alps.jpl.nasa.gov] (2)

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I. van Houten-Groeneveld, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands [vanhouten@rulhl1.leidenuniv.nl] (4)

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6)

C. A. Trujillo, Department of Astronomy, California Institute of Technology, MS 150-21, Pasadena, CA 91125, U.S.A. [chad@gps.caltech.edu] (7)

J. Kavelaars, Dept. of Physics and Astronomy, McMaster University, Hamilton, ON L8S 4M1, Canada [kavelaars@physics.mcmaster.ca] (8)

9 = 6 + 3

Observers M. Hicks, E. F. Helin, K. Lawrence, E. M. Shoemaker, C. S. Shoemaker, D. H. Levy, T. Gehrels, P. Weissman. C. A. Trujillo

Measurers M. Williams, K. Lawrence, C. S. Shoemaker, B. A. Skiff, M. Hicks, C. J. van Houten, I. van Houten-Groeneveld, A. Wisse, J. Kavelaars, C. A. Trujillo

0.46-m Schmidt, 1.2-m Oschin Schmidt, 1.5-m reflector + CCD, 5.0-m  $f/8.75$  reflector + CCD

USNO-A2.0

{0} 2001 OJ<sub>3</sub>, 6, 1, 0; [6, 1, 0\*, 2001/08/24]

{2} (2047), 2, 1, 0; (57512), 2, 1, 0; [4, 2, 0\*, 1993/09/14–1994/10/31]

{3} (64552), 1, 1, 0; [1, 1, 0\*, 1992/10/01]

{4} 1998 SN<sub>145</sub>, 2, 1, 0; 1999 JG<sub>51</sub>, 4, 2, 1; 2000 AY, 1, 1, 0; 2001 FG<sub>162</sub>, 3, 2, 1; 2002 CG<sub>159</sub>, 2, 1, 0; 2002 QG<sub>47</sub>, 4, 2, 4; 2002 RW<sub>101</sub>, 2, 1, 0; 2002 RF<sub>114</sub>, 3, 2, 4; 2002 TC<sub>32</sub>, 4, 1, 0; 2002 UE<sub>26</sub>, 3, 2, 2; 2002 XF<sub>49</sub>, 2, 1, 0; 2002 XQ<sub>85</sub>, 2, 1, 0; 2003 BV<sub>28</sub>, 3, 2, 1; (13865), 3, 2, 1; (14304), 3, 2, 2; (17496), 1, 1, 0; (27034), 1, 1, 0; (29047), 2, 1, 0; (36966), 1, 1, 0; (37902), 1, 1, 0; (37946), 1, 1, 0; (38010), 3, 2, 2; (38683), 3, 2, 1; (39998), 1, 1, 0; (46564), 2, 1, 0; (49599), 2, 1, 0; (50073), 2, 1, 0; (51515), 3, 2, 14; (51819), 1, 1, 0; (51995), 4, 2, 1; (54870), 2, 1, 0; (56308), 2, 1, 0; (56511), 3, 2, 1; (57202), 2, 1, 0; (57268), 2, 1, 0; (57391), 3, 2, 1; (57491), 3, 2, 2; (57799), 1, 1, 0; (58004), 1, 1, 0; (58204), 2, 1, 0; (58748), 2, 1, 0; (58831), 3, 2, 1; (59914), 2, 2, 50; (61252), 3, 2, 1; (61473), 4, 2, 5; (61756), 3, 2, 1; (62493), 2, 1, 0; (63884), 3, 2, 1; (64103), 1, 1, 0; (64457), 2, 1, 0; (64798), 2, 1, 0; (65114), 2, 1, 0; (65138), 2, 1, 0; (65179), 2, 1, 0; (65218), 3, 2, 1; (65270), 3, 2, 2; [129, 56, 0\*, 1971/03/24–1977/10/22]

{6} 2000 NE<sub>14</sub>, 2, 1, 0; (11797), 2, 1, 0; (12158), 2, 1, 0; (12439), 2, 1, 0; (14944), 2, 1, 0; (19875), 2, 1, 0; (22234), 2, 1, 0; (30949), 2, 1, 0; (36983), 1, 1, 0; (39685), 1, 1, 0; (51300), 1, 1, 0; (59059), 1, 1, 0; [20, 12, 0\*, 1954/04/02–1995/03/27]

{7} 2002 KW<sub>14</sub>, 5, 2, 36; 2002 MS<sub>4</sub>, 3, 1, 0; 2003 FY<sub>128</sub>, 3, 1, 0; (65489), 2, 1, 0; [13, 4, 0\*, 2003/04/25–2003/05/31]

{8} 2000 JX<sub>80</sub>, 2, 1, 0; [2, 1, 0\*, 1997/10/26]

{9} 2001 RB<sub>137</sub>, 1, 1, 0; 2001 TY<sub>165</sub>, 1, 1, 0; (12667), 2, 1, 0; (12755), 2, 1, 0; (24241), 3, 1, 0; (24303), 2, 1, 0; (35360), 2, 1, 0; (42474), 2, 1, 0; (57071), 2, 1, 0; (57675), 1, 1, 0; (57848), 1, 1, 0; (62248), 1, 1, 0; (63810), 2, 1, 0; (64612), 1, 1, 0; [23, 14, 0\*, 1986/03/04–1995/05/30]

## 678 Fountain Hills

C. W. Juels, P.O. Box 19960, Fountain Hills, AZ 85269, U.S.A. [cwjuels@cox.net]

Observers C. W. Juels, P. R. Holvorcem

0.5-m  $f/4.8$  Newtonian + CCD

GSC-ACT

(35), 3, 1, 0; [3, 1, 0\*, 2003/07/11]

## 682 Kanab

E. Sheridan, 7205 Sunflower Lane, Kanab, UT 84741, U.S.A.

[mened@xpressweb.com]

0.35-m  $f/5.5$  Schmidt-Cassegrain + CCD

USNO-A2.0

1999 VD<sub>34</sub>, 2, 1, 0; 1999 XH<sub>98</sub>, 2, 1, 0; 1999 XN<sub>241</sub>, 3, 1, 0; 2000 AE<sub>101</sub>, 2, 1, 0; 2000 AF<sub>146</sub>, 2, 1, 0; 2000 DQ<sub>94</sub>, 2, 1, 0; (53364), 1, 1, 0; (64611), 2, 1, 0; [16, 8, 0\*, 2000/08/20–2002/02/15]

## 683 Goodricke-Pigott Observatory, Tucson

R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A.

[gpobs@mindspring.com]

Observer R. A. Tucker

Measurers J. Kessel, V. Reddy, P. Kumar

3 x (0.35-m  $f/5$  reflector + CCD)

GSC-ACT, USNO-A2.0



1993 UV<sub>2</sub>, 3, 1, 0; 1995 OR<sub>7</sub>, 3, 1, 0; 1995 YE<sub>7</sub>, 3, 1, 0; 1998 FD<sub>123</sub>, 3, 1, 0; 1999 JM<sub>6</sub>, 3, 1, 0; 1999 JU<sub>61</sub>, 3, 1, 0; 1999 JX<sub>99</sub>, 3, 1, 0; 1999 NW<sub>57</sub>, 12, 4, 5; 1999 RN<sub>133</sub>, 3, 1, 0; 1999 RX<sub>198</sub>, 3, 1, 0; 1999 RV<sub>201</sub>, 3, 1, 0; 1999 XJ<sub>171</sub>, 3, 1, 0; 2000 CS<sub>18</sub>, 3, 1, 0; 2000 CP<sub>96</sub>, 9, 3, 4; 2000 DH<sub>26</sub>, 3, 1, 0; 2000 EJ<sub>150</sub>, 3, 1, 0; 2000 FV<sub>56</sub>, 3, 1, 0; 2000 QN<sub>8</sub>, 2, 1, 0; 2000 QW<sub>143</sub>, 15, 5, 23; 2000 SY<sub>240</sub>, 3, 1, 0; 2001 AP<sub>30</sub>, 3, 1, 0; 2001 SK<sub>290</sub>, 12, 4, 6; 2001 TU<sub>171</sub>, 3, 1, 0; 2001 TS<sub>180</sub>, 3, 1, 0; 2001 TA<sub>189</sub>, 3, 1, 0; 2002 CR<sub>140</sub>, 3, 1, 0; 2002 FP<sub>1</sub>, 6, 2, 2; 2002 FV<sub>7</sub>, 3, 1, 0; 2002 SS<sub>10</sub>, 2, 1, 0; 2002 TA<sub>79</sub>, 3, 1, 0; 2002 TX<sub>84</sub>, 6, 2, 1; 2002 TX<sub>349</sub>, 3, 1, 0; 2003 AD<sub>31</sub>, 3, 1, 0; 2003 AN<sub>38</sub>, 3, 1, 0; 2003 BU<sub>24</sub>, 3, 1, 0; 2003 ED<sub>53</sub>, 9, 3, 3; 2003 FT<sub>91</sub>, 3, 1, 0; 2003 FE<sub>123</sub>, 12, 4, 3; 2003 GX<sub>34</sub>, 3, 1, 0; 2003 HC<sub>12</sub>, 3, 1, 0; 2003 HY<sub>36</sub>, 3, 1, 0; 2003 JL<sub>10</sub>, 5, 2, 1; 2003 JO<sub>13</sub>, 6, 2, 1; 2003 JT<sub>17</sub>, 23, 8, 24; 2003 KY<sub>16</sub>, 6, 2, 1; 2003 LL<sub>6</sub>, 9, 3, 6; 2003 LV<sub>6</sub>\*, 15, 5, 17; 2003 MV<sub>6</sub>, 3, 1, 0; 2003 OB<sub>15</sub>, 3, 1, 0; 2003 OY<sub>18</sub>, 3, 1, 0; 1095 T-2, 2, 1, 0; 5043 T-3, 3, 1, 0; (85), 6, 2, 6; (391), 15, 5, 7; (781), 21, 7, 7; (1333), 12, 4, 4; (1775), 3, 1, 0; (1882), 3, 1, 0; (3313), 9, 3, 4; (3683), 9, 3, 5; (4125), 3, 1, 0; (4835), 3, 1, 0; (6474), 18, 6, 19; (7326), 3, 1, 0; (8843), 3, 1, 0; (10590), 6, 2, 1; (11059), 21, 7, 20; (11171), 12, 4, 5; (11570), 15, 5, 6; (12084), 6, 2, 5; (12351), 2, 1, 0; (13216), 2, 1, 0; (13427), 3, 1, 0; (14034), 3, 1, 0; (14134), 3, 1, 0; (14187), 3, 1, 0; (14366), 3, 1, 0; (15422), 3, 1, 0; (15938), 9, 3, 4; (16913), 3, 1, 0; (17177), 15, 5, 14; (18072), 2, 1, 0; (18425), 3, 1, 0; (18486), 1, 1, 0; (18763), 9, 3, 5; (18867), 3, 1, 0; (20001), 15, 5, 4; (20382), 6, 2, 1; (20383), 6, 2, 3; (20435), 9, 3, 4; (21651), 3, 1, 0; (22028), 3, 1, 0; (22743), 6, 2, 1; (23817), 3, 1, 0; (24172), 3, 1, 0; (25328), 12, 4, 3; (26706), 3, 1, 0; (26927), 3, 1, 0; (27338), 2, 1, 0; (28085), 3, 1, 0; (29242), 9, 3, 4; (29515), 6, 2, 2; (30754), 3, 1, 0; (31425), 3, 1, 0; (32853), 2, 1, 0; (33638), 21, 7, 6; (33668), 6, 2, 3; (33794), 6, 2, 1; (33800), 12, 4, 10; (34458), 6, 2, 2; (34529), 15, 5, 18; (34595), 3, 1, 0; (34665), 3, 1, 0; (35008), 15, 5, 5; (35592), 12, 4, 4; (35876), 2, 1, 0; (36016), 6, 2, 3; (36984), 9, 3, 2; (37378), 3, 1, 0; (37442), 6, 2, 1; (37634), 5, 2, 2; (37865), 6, 2, 1; (37878), 18, 6, 18; (37924), 3, 1, 0; (38622), 3, 1, 0; (38920), 12, 4, 4; (38942), 1, 1, 0; (39036), 3, 1, 0; (39488), 6, 2, 3; (40157), 3, 1, 0; (40664), 3, 1, 0; (41214), 3, 1, 0; (42407), 21, 7, 7; (44200), 3, 1, 0; (44889), 2, 1, 0; (46792), 1, 1, 0; (46820), 3, 1, 0; (46983), 3, 1, 0; (47033), 2, 1, 0; (48649), 3, 1, 0; (48766), 3, 1, 0; (48851), 3, 1, 0; (48956), 2, 1, 0; (49011), 3, 1, 0; (49037), 3, 1, 0; (49690), 2, 1, 0; (49991), 3, 1, 0; (50104), 3, 1, 0; (50287), 3, 1, 0; (50299), 3, 1, 0; (50336), 2, 1, 0; (50628), 3, 1, 0; (50877), 3, 1, 0; (51672), 3, 1, 0; (51874), 3, 1, 0; (52130), 2, 1, 0; (52584), 3, 1, 0; (55103), 3, 1, 0; (57135), 1, 1, 0; (57444), 3, 1, 0; (57849), 6, 2, 1; (59045), 3, 1, 0; (59447), 12, 4, 5; (59660), 3, 1, 0; (59683), 18, 6, 8; (61005), 1, 1, 0; (62732), 3, 1, 0; (62733), 15, 5, 6; (63317), 2, 1, 0; (64163), 2, 1, 0; (64418), 3, 1, 0; (64807), 18, 6, 5; (64997), 3, 1, 0; (65449), 2, 1, 0; (65555), 3, 1, 0; [968, 175, 1\*, 2001/08/23–2003/07/04]

## 684 Prescott

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[comba@northlink.com]

0.46-m  $f/4.5$  reflector + CCD

GSC-1.1

1996 SO, 5, 2, 1; 1996 XA, 4, 2, 1; 1996 YT<sub>2</sub>, 6, 2, 1; 1997 AL<sub>6</sub>, 2, 1, 0; 1998 BG<sub>1</sub>, 2, 1, 0; 1998 PS, 5, 2, 1; 1999 PC, 10, 4, 41; 1999 TC<sub>3</sub>, 4, 2, 1; 1999 TJ<sub>3</sub>, 5, 2, 1; 1999 UY<sub>3</sub>, 5, 2, 1; 2000 SX<sub>10</sub>, 5, 2, 1; 2000 WK<sub>1</sub>, 4, 2, 1; 2001 SF<sub>245</sub>, 3, 1, 0; 2002 XQ<sub>9</sub>, 2, 1, 0; 2003 BO<sub>66</sub>, 3, 1, 0; 2003 MS<sub>7</sub>\*, 5, 2, 1; [70, 16, 1\*, 1999/03/10–2003/08/05]

## 688 Lowell Observatory, Anderson Mesa Station

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AZ 86001, U.S.A. [lhw@lowell.edu] (5)

Observers M. W. Buie, E. Bowell, L. H. Wasserman

1.8-m reflector + CCD, 0.75-m  $f/16$  reflector + CCD

USNO-B1.0

{1} 1995 QG<sub>1</sub>, 2, 1, 0; 1995 QZ<sub>4</sub>, 3, 1, 0; 1997 YC<sub>2</sub>, 3, 1, 0; 1999 VS<sub>98</sub>, 2, 1, 0; 2001 MG, 2, 1, 0; 2001 RD<sub>136</sub>, 2, 1, 0; 2001 XS<sub>9</sub>, 4, 1, 0; 2001 XC<sub>138</sub>, 2, 1, 0; 2002 VX<sub>54</sub>, 2, 1, 0; (26290), 2, 1, 0; (27910), 3, 1, 0; (39269), 2, 1, 0; (42908), 2, 1, 0; (43691), 3, 1, 0; (44722), 2, 1, 0; (49185), 2, 1, 0; (49423), 2, 1, 0; (56068), 3, 1, 0; (56073), 3, 1, 0; (59033), 2, 1, 0; (59157), 3, 1, 0; [51, 21, 0\*, 1997/07/07–2001/02/22]

{4} 1996 RA<sub>30</sub>, 2, 1, 0; 2000 BN<sub>21</sub>, 4, 1, 0; 2000 QG<sub>168</sub>, 2, 1, 0; 2001 MF<sub>7</sub>, 2, 1, 0; 2001 OH<sub>28</sub>, 4, 1, 0; 2001 SL<sub>80</sub>, 2, 1, 0; 2002 RB<sub>174</sub>, 2, 1, 0; [18, 7, 0\*, 1997/07/02–1997/11/29]

{5} 1997 GX, 2, 1, 0; 1997 OH<sub>1</sub>, 3, 1, 0; 1997 SP<sub>17</sub>, 2, 1, 0; 1998 KQ<sub>39</sub>, 2, 1, 0; 1998 QD<sub>91</sub>, 2, 1, 0; 1998 QP<sub>92</sub>, 2, 1, 0; 1998 QG<sub>98</sub>, 2, 1, 0; 1998 RN<sub>55</sub>, 2, 1, 0; 1998 SP<sub>44</sub>, 2, 1, 0; 1998 UA<sub>9</sub>, 3, 1, 0; 1998 UQ<sub>20</sub>, 2, 1, 0; 1998 UO<sub>31</sub>, 2, 1, 0; 1998 UB<sub>39</sub>, 2, 1, 0; 1998 VB, 2, 1, 0; 1998 VK<sub>28</sub>, 2, 1, 0; 1998 WT<sub>4</sub>, 3, 1, 0; 1998 XZ<sub>83</sub>, 2, 1, 0; 1999 AT<sub>23</sub>, 3, 1, 0; 1999 CX<sub>73</sub>, 3, 1, 0; 1999 JV<sub>52</sub>, 2, 1, 0; 1999 RR<sub>51</sub>, 2, 1, 0; 1999 RA<sub>167</sub>, 2, 1, 0; 1999 TZ<sub>11</sub>, 2, 1, 0; 1999 TD<sub>27</sub>, 2, 1, 0; 1999 TV<sub>200</sub>, 2, 1, 0; 1999 TL<sub>205</sub>, 2, 1, 0; 1999 TP<sub>221</sub>, 2, 1, 0; 1999 TN<sub>223</sub>, 2, 1, 0; 1999 UO<sub>14</sub>, 2, 1, 0; 1999 VQ<sub>21</sub>, 2, 1, 0; 1999 VO<sub>55</sub>, 2, 1, 0; 1999 WY<sub>14</sub>, 2, 1, 0; 1999 XM<sub>66</sub>, 2, 1, 0; 1999 XY<sub>97</sub>, 2, 1, 0; 2000 BD<sub>4</sub>, 3, 1, 0; 2000 DH<sub>98</sub>, 4, 1, 0; 2000 FT<sub>61</sub>, 3, 1, 0; 2000 GT<sub>45</sub>, 3, 1, 0; 2000 LM<sub>15</sub>, 3, 1, 0; 2000 QA<sub>80</sub>, 2, 1, 0; 2001 RV<sub>127</sub>, 2, 1, 0; 2002 JG<sub>8</sub>, 2, 1, 0; 2002 KX<sub>14</sub>, 2, 1, 0; 2003 AK<sub>41</sub>, 3, 1, 0; 2003 QV<sub>63</sub>, 2, 1, 0; [102, 45, 0\*, 1997/05/08–2003/06/26]

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Observers A. F. Tubbiolo, M. T. Read, J. A. Larsen, A. E. Gleason,

K. L. S. Larsen, J. V. Scotti, T. N. Woodell, M. Block

0.9-m  $f/3$  reflector + CCD

USNO-A2.0

1973 SX<sub>1</sub>, 9, 3, 37; 1975 SD<sub>1</sub>, 3, 1, 0; 1981 ER<sub>33</sub>, 3, 1, 0; 1981 EP<sub>35</sub>, 3, 1, 0; 1981 EY<sub>43</sub>, 3, 1, 0; 1981 EU<sub>46</sub>, 15, 5, 2251; 1982 UA<sub>6</sub>, 3, 1, 0; 1985 VB<sub>1</sub>, 3, 1, 0; 1988 DE<sub>3</sub>, 3, 1, 0; 1988 RO<sub>12</sub>, 3, 1, 0; 1989 TH<sub>3</sub>, 3, 1, 0; 1990 TN<sub>8</sub>, 2, 1, 0; 1991 PT<sub>10</sub>, 3, 1, 0; 1991 TO<sub>15</sub>, 3, 1, 0; 1992 DK<sub>7</sub>, 3, 1, 0; 1992 DX<sub>10</sub>, 3, 1, 0; 1992 EW<sub>4</sub>, 3, 1, 0; 1992 ET<sub>7</sub>, 6, 2, 16; 1992 EZ<sub>10</sub>, 3, 1, 0; 1992 EZ<sub>13</sub>, 3, 1, 0; 1992 ED<sub>16</sub>, 3, 1, 0; 1992 RB<sub>1</sub>, 3, 1, 0; 1992 RJ<sub>2</sub>, 3, 1, 0; 1993 FA<sub>9</sub>, 3, 1, 0; 1993 FE<sub>27</sub>, 3, 1, 0; 1993 FJ<sub>45</sub>, 3, 1, 0; 1993 FB<sub>52</sub>, 3, 1, 0; 1993 FR<sub>62</sub>, 3, 1, 0; 1993 OH<sub>6</sub>, 3, 1, 0; 1993 PU<sub>4</sub>, 3, 1, 0; 1993 PE<sub>7</sub>, 6, 2, 7; 1993 QY<sub>3</sub>, 3, 1, 0; 1993 RM<sub>1</sub>, 3, 1, 0; 1993 RO<sub>14</sub>, 3, 1, 0; 1993 TY<sub>18</sub>, 3, 1, 0; 1993 TT<sub>19</sub>, 3, 1, 0; 1993 TU<sub>26</sub>, 3, 1, 0; 1993 TE<sub>31</sub>, 6, 2, 27; 1993 TS<sub>38</sub>, 3, 1, 0; 1993 UV<sub>2</sub>, 3, 1, 0; 1993 UL<sub>7</sub>, 3, 1, 0; 1993 UX<sub>7</sub>, 3, 1, 0; 1994 AE<sub>9</sub>, 3, 1, 0; 1994 AR<sub>13</sub>, 3, 1, 0; 1994 AB<sub>17</sub>, 6, 2, 26; 1994 CX<sub>5</sub>, 6, 2, 987; 1994 CZ<sub>17</sub>, 3, 1, 0; 1994 HL<sub>1</sub>, 3, 1, 0; 1994 PT<sub>3</sub>, 3, 1, 0; 1994 QV<sub>3</sub>, 3, 1, 0; 1994 RV<sub>5</sub>, 3, 1, 0; 1994 SV<sub>4</sub>, 3, 1, 0; 1994 TF, 3, 1, 0; 1994 UR<sub>1</sub>, 3, 1, 0; 1994 WM<sub>7</sub>, 3, 1, 0; 1995 CS<sub>6</sub>, 3, 1, 0; 1995 DT<sub>7</sub>, 3, 1, 0; 1995 FA<sub>6</sub>, 3, 1, 0; 1995 MM<sub>1</sub>, 3, 1, 0; 1995 MQ<sub>7</sub>, 6, 2, 2490; 1995 MU<sub>7</sub>, 3, 1, 0; 1995 OA<sub>4</sub>, 3, 1, 0; 1995 SD<sub>20</sub>, 3, 1, 0; 1995 SW<sub>25</sub>, 3, 1, 0; 1995 SD<sub>33</sub>, 6, 1, 0; 1995 SC<sub>48</sub>, 3, 1, 0; 1995 SJ<sub>51</sub>, 6, 2, 2564; 1995 ST<sub>61</sub>, 3, 1, 0; 1995 UH<sub>8</sub>, 3, 1, 0; 1995 UK<sub>8</sub>, 3, 1, 0; 1995 UJ<sub>20</sub>, 3, 1, 0; 1995 UT<sub>25</sub>, 3, 1, 0; 1995 UZ<sub>39</sub>, 3, 1, 0; 1995 UR<sub>46</sub>, 3, 1, 0; 1995 UB<sub>51</sub>, 3, 1, 0; 1995 UP<sub>77</sub>, 6, 2, 2906; 1995 VF<sub>6</sub>, 6, 2, 40; 1995 VH<sub>15</sub>, 3, 1, 0; 1995 YB<sub>12</sub>, 3, 1, 0; 1996 GB<sub>8</sub>, 3, 1, 0; 1996 HO<sub>22</sub>, 3, 1, 0; 1996 JD<sub>10</sub>, 6, 2, 47; 1996 MD, 5, 2, 13; 1996 NO<sub>1</sub>, 3, 1, 0; 1996 RR<sub>10</sub>, 3, 1, 0; 1996 TW<sub>28</sub>, 3, 1, 0; 1996 TA<sub>36</sub>, 3, 1, 0; 1996 TR<sub>40</sub>, 3, 1, 0; 1996 TE<sub>44</sub>, 6, 2, 31; 1996 TP<sub>56</sub>, 3, 1, 0; 1996 UT<sub>1</sub>, 3, 1, 0; 1996 UC<sub>3</sub>, 3, 1, 0; 1996 VA<sub>3</sub>, 3, 1, 0; 1996 VA<sub>13</sub>, 3, 1, 0; 1996 XZ<sub>3</sub>, 6, 2, 1; 1997 AG<sub>2</sub>, 3, 1, 0; 1997 AE<sub>12</sub>, 3, 1, 0; 1997 AN<sub>20</sub>, 3, 1, 0; 1997 BT<sub>4</sub>, 3, 1, 0; 1997 CD<sub>6</sub>, 3, 1, 0; 1997 CK<sub>11</sub>, 3, 1, 0; 1997 CF<sub>16</sub>, 6, 2, 34; 1997 EF<sub>10</sub>, 2, 1, 0; 1997 FR<sub>3</sub>, 3, 1, 0; 1997 GJ<sub>1</sub>, 3, 1, 0; 1997 GQ<sub>5</sub>, 3, 1, 0; 1997 GC<sub>12</sub>, 3, 1, 0; 1997 GC<sub>21</sub>, 3, 1, 0; 1997 HP<sub>12</sub>, 3, 1, 0; 1997 HN<sub>14</sub>, 3, 1, 0; 1997 HC<sub>17</sub>, 2, 1, 0; 1997 ND<sub>6</sub>, 3, 1, 0; 1997 OQ<sub>1</sub>, 3, 1, 0; 1997 PA, 3, 1, 0; 1997 SG<sub>9</sub>, 3, 1, 0; 1997 SN<sub>22</sub>, 3, 1, 0; 1997 SF<sub>26</sub>, 3, 1, 0; 1997 SM<sub>26</sub>, 3, 1, 0; 1997 TC<sub>12</sub>, 6, 2, 2783; 1997 TF<sub>16</sub>, 3, 1, 0; 1997 TS<sub>21</sub>, 3, 1, 0; 1997 UK<sub>9</sub>, 3, 1, 0; 1997 WS<sub>37</sub>, 3, 1, 0; 1997 XD<sub>10</sub>, 3, 1, 0; 1997 YB<sub>13</sub>, 6, 2, 1818; 1997 YS<sub>17</sub>, 3, 1, 0; 1997 YF<sub>20</sub>, 3, 1, 0; 1998 AA<sub>1</sub>, 3, 1, 0; 1998 AX<sub>1</sub>, 3, 1, 0; 1998 BB<sub>4</sub>, 3, 1, 0; 1998 BW<sub>23</sub>, 3, 1, 0; 1998 BP<sub>34</sub>, 3, 1, 0; 1998 DB<sub>1</sub>, 3, 1, 0; 1998 DQ<sub>8</sub>, 3, 1, 0; 1998 DE<sub>15</sub>, 3, 1, 0; 1998 DT<sub>22</sub>, 3, 1, 0; 1998 DL<sub>35</sub>, 3, 1, 0; 1998 EU<sub>8</sub>, 3, 1, 0; 1998 EM<sub>13</sub>, 3, 1, 0; 1998 EZ<sub>19</sub>, 3, 1, 0; 1998 FB<sub>27</sub>, 3, 1, 0; 1998 FD<sub>28</sub>, 6, 2, 59; 1998 FT<sub>30</sub>, 3, 1, 0; 1998 FE<sub>37</sub>, 3, 1, 0; 1998 FB<sub>43</sub>, 3, 1, 0; 1998 FV<sub>46</sub>, 6, 1, 0; 1998 FL<sub>52</sub>, 3, 1, 0; 1998 FE<sub>53</sub>, 3, 1, 0; 1998 FP<sub>53</sub>, 3, 1, 0; 1998 FT<sub>64</sub>, 3, 1, 0; 1998 FT<sub>106</sub>, 3, 1, 0; 1998 FY<sub>114</sub>, 3, 1, 0; 1998 FU<sub>119</sub>, 3, 1, 0; 1998 FV<sub>122</sub>, 3, 1, 0; 1998 FG<sub>123</sub>, 3, 1, 0; 1998 HA<sub>15</sub>, 3, 1, 0; 1998 HC<sub>24</sub>, 3, 1, 0; 1998 HV<sub>24</sub>, 3, 1, 0; 1998 HJ<sub>28</sub>, 3, 1, 0; 1998 HW<sub>37</sub>, 3, 1, 0; 1998 HV<sub>46</sub>, 3, 1, 0; 1998 HN<sub>54</sub>, 3, 1, 0; 1998 HM<sub>60</sub>, 3, 1, 0; 1998 HA<sub>68</sub>, 6, 2, 6; 1998 HG<sub>102</sub>, 3, 1, 0; 1998 HF<sub>146</sub>, 3, 1, 0; 1998 HD<sub>152</sub>, 3, 1, 0; 1998 KO<sub>32</sub>, 3, 1, 0; 1998 KZ<sub>57</sub>, 3, 1, 0; 1998 KJ<sub>61</sub>, 3, 1, 0; 1998 MQ<sub>6</sub>, 3, 1, 0; 1998 MV<sub>17</sub>, 3, 1, 0; 1998 MU<sub>18</sub>, 3, 1, 0; 1998 MK<sub>34</sub>, 3, 1, 0; 1998 OT<sub>7</sub>, 3, 1, 0; 1998 OW<sub>13</sub>, 3, 1, 0; 1998 PA, 6, 2, 10; 1998 QZ<sub>2</sub>, 3, 1, 0; 1998 QK<sub>6</sub>, 6, 2, 14; 1998 QO<sub>15</sub>, 3, 1, 0; 1998 QX<sub>18</sub>, 3, 1, 0; 1998 QO<sub>20</sub>, 3, 1, 0; 1998 QW<sub>30</sub>, 6, 2, 19; 1998 QJ<sub>39</sub>, 3, 1, 0; 1998 QE<sub>41</sub>, 3, 1, 0; 1998 QF<sub>41</sub>, 3, 1, 0; 1998 QG<sub>42</sub>, 3, 1, 0; 1998 QV<sub>46</sub>, 4, 1, 0; 1998 QH<sub>49</sub>, 3, 1, 0; 1998 QK<sub>55</sub>, 3, 1, 0; 1998 QV<sub>69</sub>, 3, 1, 0; 1998 QA<sub>70</sub>, 3, 1, 0; 1998 QM<sub>74</sub>, 3, 1, 0; 1998 QT<sub>85</sub>, 3, 1, 0; 1998 QX<sub>96</sub>, 3, 1, 0; 1998 QM<sub>105</sub>, 3, 1, 0; 1998 RE<sub>6</sub>, 3, 1, 0; 1998 RO<sub>18</sub>, 3, 1, 0; 1998 RM<sub>21</sub>, 3, 1, 0; 1998 RS<sub>21</sub>, 6, 2, 857; 1998 RA<sub>30</sub>, 3, 1, 0; 1998 RH<sub>34</sub>, 3, 1, 0; 1998 RG<sub>43</sub>, 3, 1, 0; 1998 RS<sub>46</sub>, 3, 1, 0; 1998 RB<sub>48</sub>, 3, 1, 0; 1998 RE<sub>49</sub>, 3, 1, 0; 1998 RH<sub>49</sub>, 15, 5, 944; 1998 RO<sub>50</sub>, 6, 2, 983; 1998 RP<sub>60</sub>, 3, 1, 0; 1998 RE<sub>71</sub>, 3, 1, 0; 1998 RP<sub>72</sub>, 6, 2, 21; 1998 ST<sub>1</sub>, 3, 1, 0; 1998 SF<sub>3</sub>, 3, 1, 0; 1998 SY<sub>4</sub>, 3, 1, 0; 1998 SJ<sub>10</sub>, 3, 1, 0; 1998 SX<sub>19</sub>, 3, 1, 0; 1998 SW<sub>25</sub>, 3, 1, 0; 1998 SD<sub>27</sub>, 3, 1, 0; 1998 SH<sub>27</sub>, 3, 1, 0; 1998 SJ<sub>28</sub>, 3, 1, 0; 1998 SV<sub>31</sub>, 6, 2, 2693; 1998 SC<sub>42</sub>, 3, 1, 0; 1998 SY<sub>62</sub>, 3, 1, 0; 1998 SY<sub>64</sub>, 2, 1, 0; 1998 SV<sub>69</sub>, 6, 2, 485; 1998 SB<sub>80</sub>, 3, 1, 0; 1998 SA<sub>81</sub>, 6, 2, 482; 1998 SE<sub>83</sub>, 3, 1, 0; 1998 SD<sub>90</sub>, 3, 1, 0; 1998 SE<sub>93</sub>, 6, 2, 23; 1998 SG<sub>93</sub>, 3, 1, 0; 1998 SF<sub>93</sub>, 5, 2, 27; 1998 SB<sub>102</sub>, 3, 1, 0; 1998 SS<sub>102</sub>, 3, 1, 0; 1998 SW<sub>102</sub>, 9, 3, 3449; 1998 SF<sub>105</sub>, 3, 1, 0; 1998 SA<sub>112</sub>, 3, 1, 0;

1998 SC<sub>114</sub>, 5, 2, 52; 1998 SZ<sub>119</sub>, 3, 1, 0; 1998 SP<sub>126</sub>, 3, 1, 0; 1998 SV<sub>127</sub>, 3, 1, 0; 1998 SF<sub>133</sub>, 3, 1, 0; 1998 SB<sub>135</sub>, 3, 1, 0; 1998 SG<sub>149</sub>, 3, 1, 0; 1998 SG<sub>154</sub>, 3, 1, 0; 1998 SP<sub>157</sub>, 3, 1, 0; 1998 SB<sub>162</sub>, 3, 1, 0; 1998 SU<sub>165</sub>, 3, 1, 0; 1998 SJ<sub>171</sub>, 3, 1, 0; 1998 TO<sub>11</sub>, 3, 1, 0; 1998 TK<sub>12</sub>, 3, 1, 0; 1998 TA<sub>21</sub>, 6, 2, 3039; 1998 TM<sub>21</sub>, 3, 1, 0; 1998 TU<sub>22</sub>, 3, 1, 0; 1998 TM<sub>29</sub>, 3, 1, 0; 1998 TT<sub>33</sub>, 3, 1, 0; 1998 TC<sub>34</sub>, 3, 1, 0; 1998 TA<sub>37</sub>, 3, 1, 0; 1998 UE<sub>1</sub>, 3, 1, 0; 1998 UG<sub>2</sub>, 3, 1, 0; 1998 US<sub>2</sub>, 3, 1, 0; 1998 UQ<sub>4</sub>, 3, 1, 0; 1998 UD<sub>11</sub>, 3, 1, 0; 1998 UC<sub>27</sub>, 3, 1, 0; 1998 UY<sub>28</sub>, 3, 1, 0; 1998 UU<sub>34</sub>, 3, 1, 0; 1998 UB<sub>39</sub>, 3, 1, 0; 1998 UW<sub>40</sub>, 3, 1, 0; 1998 UP<sub>42</sub>, 6, 2, 10; 1998 UQ<sub>47</sub>, 3, 1, 0; 1998 VC<sub>8</sub>, 3, 1, 0; 1998 VG<sub>9</sub>, 3, 1, 0; 1998 VJ<sub>9</sub>, 3, 1, 0; 1998 VL<sub>17</sub>, 3, 1, 0; 1998 VN<sub>36</sub>, 3, 1, 0; 1998 VB<sub>42</sub>, 3, 1, 0; 1998 VC<sub>42</sub>, 9, 3, 1480; 1998 VR<sub>45</sub>, 3, 1, 0; 1998 VU<sub>56</sub>, 3, 1, 0; 1998 WY<sub>4</sub>, 3, 1, 0; 1998 WD<sub>14</sub>, 3, 1, 0; 1998 WW<sub>26</sub>, 2, 1, 0; 1998 WR<sub>27</sub>, 3, 1, 0; 1998 WX<sub>32</sub>, 6, 2, 1451; 1998 WG<sub>33</sub>, 3, 1, 0; 1998 WN<sub>33</sub>, 6, 1, 0; 1998 WD<sub>35</sub>, 3, 1, 0; 1998 WK<sub>36</sub>, 3, 1, 0; 1998 WY<sub>37</sub>, 3, 1, 0; 1998 XH<sub>7</sub>, 3, 1, 0; 1998 XM<sub>8</sub>, 6, 2, 1986; 1998 XU<sub>28</sub>, 3, 1, 0; 1998 XD<sub>53</sub>, 3, 1, 0; 1998 XN<sub>54</sub>, 3, 1, 0; 1998 XS<sub>73</sub>, 3, 1, 0; 1998 YZ<sub>2</sub>, 3, 1, 0; 1998 YG<sub>6</sub>, 3, 1, 0; 1998 YK<sub>18</sub>, 3, 1, 0; 1998 YU<sub>20</sub>, 3, 1, 0; 1999 AP, 3, 1, 0; 1999 AW<sub>1</sub>, 3, 1, 0; 1999 AB<sub>14</sub>, 6, 2, 22; 1999 AK<sub>15</sub>, 3, 1, 0; 1999 AY<sub>18</sub>, 3, 1, 0; 1999 AG<sub>21</sub>, 3, 1, 0; 1999 AZ<sub>30</sub>, 3, 1, 0; 1999 AO<sub>33</sub>, 3, 1, 0; 1999 BA<sub>1</sub>, 3, 1, 0; 1999 BC<sub>6</sub>, 3, 1, 0; 1999 BH<sub>8</sub>, 3, 1, 0; 1999 BY<sub>10</sub>, 3, 1, 0; 1999 BX<sub>21</sub>, 3, 1, 0; 1999 BE<sub>26</sub>, 3, 1, 0; 1999 BR<sub>26</sub>, 6, 2, 14; 1999 BJ<sub>27</sub>, 3, 1, 0; 1999 BF<sub>29</sub>, 3, 1, 0; 1999 BA<sub>30</sub>, 5, 2, 3132; 1999 CJ<sub>4</sub>, 3, 1, 0; 1999 CQ<sub>6</sub>, 3, 1, 0; 1999 CS<sub>10</sub>, 3, 1, 0; 1999 CC<sub>14</sub>, 3, 1, 0; 1999 CT<sub>27</sub>, 6, 2, 55; 1999 CK<sub>31</sub>, 3, 1, 0; 1999 CG<sub>34</sub>, 3, 1, 0; 1999 CR<sub>37</sub>, 3, 1, 0; 1999 CG<sub>42</sub>, 3, 1, 0; 1999 CJ<sub>60</sub>, 3, 1, 0; 1999 CJ<sub>72</sub>, 3, 1, 0; 1999 CG<sub>77</sub>, 3, 1, 0; 1999 CK<sub>86</sub>, 3, 1, 0; 1999 CZ<sub>86</sub>, 3, 1, 0; 1999 CR<sub>109</sub>, 6, 2, 52; 1999 CV<sub>134</sub>, 3, 1, 0; 1999 CD<sub>142</sub>, 3, 1, 0; 1999 DN, 6, 2, 4577; 1999 DB<sub>7</sub>, 3, 1, 0; 1999 ET<sub>11</sub>, 3, 1, 0; 1999 FP<sub>7</sub>, 3, 1, 0; 1999 FJ<sub>9</sub>, 6, 2, 59; 1999 FO<sub>61</sub>, 3, 1, 0; 1999 FB<sub>63</sub>, 3, 1, 0; 1999 GC<sub>3</sub>, 3, 1, 0; 1999 GP<sub>31</sub>, 3, 1, 0; 1999 HC<sub>6</sub>, 3, 1, 0; 1999 JJ<sub>2</sub>, 3, 1, 0; 1999 JG<sub>9</sub>, 3, 1, 0; 1999 JT<sub>18</sub>, 3, 1, 0; 1999 JQ<sub>33</sub>, 3, 1, 0; 1999 JZ<sub>41</sub>, 3, 1, 0; 1999 JQ<sub>45</sub>, 3, 1, 0; 1999 JG<sub>51</sub>, 3, 1, 0; 1999 JT<sub>56</sub>, 3, 1, 0; 1999 JS<sub>59</sub>, 3, 1, 0; 1999 JW<sub>59</sub>, 3, 1, 0; 1999 JW<sub>64</sub>, 3, 1, 0; 1999 JQ<sub>90</sub>, 3, 1, 0; 1999 JJ<sub>96</sub>, 6, 2, 2485; 1999 JT<sub>113</sub>, 3, 1, 0; 1999 JH<sub>121</sub>, 2, 1, 0; 1999 JZ<sub>123</sub>, 3, 1, 0; 1999 JV<sub>124</sub>, 3, 1, 0; 1999 JC<sub>127</sub>, 3, 1, 0; 1999 JK<sub>130</sub>, 6, 2, 1084; 1999 JO<sub>131</sub>, 3, 1, 0; 1999 JE<sub>136</sub>, 3, 1, 0; 1999 KL<sub>11</sub>, 6, 2, 2062; 1999 KP<sub>11</sub>, 3, 1, 0; 1999 LA, 3, 1, 0; 1999 LJ<sub>11</sub>, 3, 1, 0; 1999 LA<sub>22</sub>, 3, 1, 0; 1999 NH<sub>2</sub>, 6, 2, 21; 1999 NU<sub>5</sub>, 3, 1, 0; 1999 NQ<sub>6</sub>, 3, 1, 0; 1999 NC<sub>8</sub>, 3, 1, 0; 1999 NN<sub>15</sub>, 3, 1, 0; 1999 NP<sub>22</sub>, 3, 1, 0; 1999 NJ<sub>29</sub>, 3, 1, 0; 1999 NJ<sub>45</sub>, 3, 1, 0; 1999 NT<sub>52</sub>, 3, 1, 0; 1999 NE<sub>56</sub>, 3, 1, 0; 1999 NF<sub>56</sub>, 3, 1, 0; 1999 ND<sub>65</sub>, 3, 1, 0; 1999 OJ, 6, 2, 35; 1999 OK<sub>2</sub>, 3, 1, 0; 1999 PB, 3, 1, 0; 1999 PS<sub>5</sub>, 3, 1, 0; 1999 PY<sub>7</sub>, 3, 1, 0; 1999 QV<sub>1</sub>, 3, 1, 0; 1999 RE<sub>3</sub>, 3, 1, 0; 1999 RN<sub>3</sub>, 3, 1, 0; 1999 RD<sub>4</sub>, 3, 1, 0; 1999 RV<sub>6</sub>, 3, 1, 0; 1999 RA<sub>8</sub>, 3, 1, 0; 1999 RX<sub>8</sub>, 3, 1, 0; 1999 RV<sub>13</sub>, 3, 1, 0; 1999 RK<sub>16</sub>, 3, 1, 0; 1999 RL<sub>16</sub>, 3, 1, 0; 1999 RL<sub>17</sub>, 3, 1, 0; 1999 RV<sub>21</sub>, 3, 1, 0; 1999 RM<sub>24</sub>, 3, 1, 0; 1999 RV<sub>25</sub>, 3, 1, 0; 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6, 2, 8; 2000 OY<sub>57</sub>, 3, 1, 0; 2000 OJ<sub>60</sub>, 5, 2, 1445; 2000 PN<sub>16</sub>, 3, 1, 0; 2000 PZ<sub>16</sub>, 3, 1, 0; 2000 QK<sub>3</sub>, 3, 1, 0; 2000 QG<sub>4</sub>, 3, 1, 0; 2000 QW<sub>13</sub>, 3, 1, 0; 2000 QS<sub>19</sub>, 3, 1, 0; 2000 QC<sub>36</sub>, 3, 1, 0; 2000 QP<sub>49</sub>, 3, 1, 0; 2000 QP<sub>54</sub>, 3, 1, 0; 2000 QO<sub>63</sub>, 3, 1, 0; 2000 QO<sub>64</sub>, 3, 1, 0; 2000 QF<sub>65</sub>, 3, 1, 0; 2000 QE<sub>67</sub>, 6, 2, 19; 2000 QR<sub>67</sub>, 3, 1, 0; 2000 QS<sub>68</sub>, 3, 1, 0; 2000 QN<sub>69</sub>, 3, 1, 0; 2000 QX<sub>76</sub>, 3, 1, 0; 2000 QH<sub>82</sub>, 6, 2, 26; 2000 QE<sub>91</sub>, 3, 1, 0; 2000 QG<sub>92</sub>, 3, 1, 0; 2000 QB<sub>95</sub>, 3, 1, 0; 2000 QD<sub>108</sub>, 3, 1, 0; 2000 QW<sub>108</sub>, 3, 1, 0; 2000 QZ<sub>112</sub>, 3, 1, 0; 2000 QH<sub>120</sub>, 3, 1, 0; 2000 QH<sub>121</sub>, 3, 1, 0; 2000 QH<sub>122</sub>, 3, 1, 0; 2000 QF<sub>124</sub>, 3, 1, 0; 2000 QZ<sub>136</sub>, 6, 2, 8; 2000 QR<sub>137</sub>, 3, 1, 0; 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0; 2001 PD<sub>50</sub>, 3, 1, 0; 2001 PD<sub>55</sub>, 3, 1, 0; 2001 PU<sub>59</sub>, 3, 1, 0; 2001 PM<sub>65</sub>, 3, 1, 0; 2001 QN<sub>1</sub>, 3, 1, 0; 2001 QP<sub>3</sub>, 3, 1, 0; 2001 QE<sub>4</sub>, 3, 1, 0; 2001 QT<sub>6</sub>, 3, 1, 0; 2001 QR<sub>9</sub>, 3, 1, 0; 2001 QC<sub>20</sub>, 3, 1, 0; 2001 QE<sub>20</sub>, 2, 1, 0; 2001 QD<sub>33</sub>, 3, 1, 0; 2001 QM<sub>37</sub>, 3, 1, 0; 2001 QO<sub>37</sub>, 3, 1, 0; 2001 QE<sub>50</sub>, 3, 1, 0; 2001 QC<sub>51</sub>, 6, 2, 2360; 2001 QZ<sub>58</sub>, 3, 1, 0; 2001 QA<sub>60</sub>, 3, 1, 0; 2001 QV<sub>60</sub>, 2, 1, 0; 2001 QT<sub>65</sub>, 2, 1, 0; 2001 QT<sub>67</sub>, 3, 1, 0; 2001 QB<sub>93</sub>, 6, 2, 867; 2001 QL<sub>94</sub>, 3, 1, 0; 2001 QM<sub>98</sub>, 3, 1, 0; 2001 QD<sub>106</sub>, 3, 1, 0; 2001 QN<sub>109</sub>, 3, 1, 0; 2001 QL<sub>111</sub>, 3, 1, 0; 2001 QT<sub>117</sub>, 3, 1, 0; 2001 QA<sub>121</sub>, 2, 1, 0; 2001 QQ<sub>126</sub>, 3, 1, 0; 2001 QG<sub>127</sub>, 3, 1, 0; 2001 QK<sub>129</sub>, 3, 1, 0; 2001 QT<sub>130</sub>, 3, 1, 0; 2001 QD<sub>135</sub>, 3, 1, 0; 2001 QU<sub>140</sub>, 3, 1, 0; 2001 QO<sub>143</sub>, 3, 1, 0; 2001 QM<sub>151</sub>, 3, 1, 0; 2001 QX<sub>152</sub>, 3, 1, 0; 2001 QE<sub>161</sub>, 3, 1, 0; 2001 QJ<sub>165</sub>, 3, 1, 0; 2001 QB<sub>181</sub>, 3, 1, 0; 2001 QC<sub>188</sub>, 2, 1, 0; 2001 QE<sub>190</sub>, 3, 1, 0; 2001 QN<sub>190</sub>, 3, 1, 0; 2001 QS<sub>194</sub>, 3, 1, 0; 2001 QN<sub>195</sub>, 3, 1, 0; 2001 QX<sub>195</sub>, 3, 1, 0; 2001 QB<sub>196</sub>, 3, 1, 0; 2001 QR<sub>199</sub>, 3, 1, 0; 2001 QW<sub>215</sub>, 3, 1, 0; 2001 QS<sub>221</sub>, 3, 1, 0; 2001 QO<sub>225</sub>, 3, 1, 0; 2001 QL<sub>226</sub>, 3, 1, 0; 2001 QS<sub>233</sub>, 3, 1, 0; 2001 QZ<sub>233</sub>, 3, 1, 0; 2001 QF<sub>234</sub>, 3, 1, 0; 2001 QA<sub>237</sub>, 3, 1, 0; 2001 QC<sub>239</sub>, 3, 1, 0; 2001 QO<sub>239</sub>, 3, 1, 0; 2001 QZ<sub>243</sub>, 3, 1, 0; 2001 QO<sub>250</sub>, 3, 1, 0; 2001 QE<sub>256</sub>, 3, 1, 0; 2001 QX<sub>259</sub>, 3, 1, 0; 2001 QS<sub>264</sub>, 3, 1, 0; 2001 QS<sub>266</sub>, 3, 1, 0; 2001 QR<sub>285</sub>, 3, 1, 0; 2001 QM<sub>290</sub>, 3, 1, 0; 2001 QW<sub>290</sub>, 3, 1, 0; 2001 QO<sub>327</sub>, 3, 1, 0; 2001 QA<sub>329</sub>, 3, 1, 0; 2001 QS<sub>329</sub>, 6, 2, 12; 2001 QK<sub>330</sub>, 6, 2, 113; 2001 RE<sub>3</sub>, 1, 0; 2001 RW<sub>24</sub>, 3, 1, 0; 2001 RG<sub>27</sub>, 2, 1, 0; 2001 RP<sub>30</sub>, 3, 1, 0; 2001 RQ<sub>30</sub>, 3, 1, 0; 2001 RK<sub>37</sub>, 3, 1, 0; 2001 RT<sub>42</sub>, 9, 3, 2627; 2001 RQ<sub>65</sub>, 3, 1, 0; 2001 RY<sub>77</sub>, 3, 1, 0; 2001 RZ<sub>77</sub>, 3, 1, 0; 2001 RD<sub>88</sub>, 3, 1, 0; 2001 RQ<sub>90</sub>, 3, 1, 0; 2001 RB<sub>103</sub>, 3, 1, 0; 2001 RU<sub>105</sub>, 3, 1, 0; 2001 RH<sub>106</sub>, 6, 2, 101; 2001 RF<sub>114</sub>, 3, 1, 0; 2001 RJ<sub>114</sub>, 3, 1, 0; 2001 RN<sub>122</sub>, 3, 1, 0; 2001 RD<sub>124</sub>, 3, 1, 0; 2001 RL<sub>124</sub>, 3, 1, 0; 2001 RV<sub>126</sub>, 3, 1, 0; 2001 RX<sub>127</sub>, 3, 1, 0; 2001 RU<sub>136</sub>, 3, 1, 0; 2001 RB<sub>137</sub>, 3, 1, 0; 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2001 SR<sub>127</sub>, 3, 1, 0; 2001 SE<sub>130</sub>, 3, 1, 0; 2001 SX<sub>131</sub>, 3, 1, 0; 2001 SC<sub>137</sub>, 3, 1, 0; 2001 SR<sub>139</sub>, 3, 1, 0; 2001 SF<sub>143</sub>, 3, 1, 0; 2001 SL<sub>144</sub>, 3, 1, 0; 2001 SB<sub>146</sub>, 2, 1, 0; 2001 SV<sub>149</sub>, 3, 1, 0; 2001 SA<sub>157</sub>, 3, 1, 0; 2001 SO<sub>161</sub>, 3, 1, 0; 2001 SP<sub>166</sub>, 3, 1, 0; 2001 SK<sub>171</sub>, 6, 2, 25; 2001 SX<sub>183</sub>, 3, 1, 0; 2001 SS<sub>191</sub>, 3, 1, 0; 2001 SD<sub>198</sub>, 3, 1, 0; 2001 SH<sub>199</sub>, 3, 1, 0; 2001 SD<sub>200</sub>, 6, 2, 10; 2001 SW<sub>203</sub>, 3, 1, 0; 2001 SP<sub>205</sub>, 3, 1, 0; 2001 SL<sub>211</sub>, 6, 2, 1490; 2001 SF<sub>218</sub>, 3, 1, 0; 2001 SC<sub>226</sub>, 3, 1, 0; 2001 SM<sub>229</sub>, 3, 1, 0; 2001 SC<sub>236</sub>, 3, 1, 0; 2001 SC<sub>238</sub>, 3, 1, 0; 2001 SA<sub>241</sub>, 3, 1, 0; 2001 SC<sub>242</sub>, 3, 1, 0; 2001 SM<sub>251</sub>, 3, 1, 0; 2001 SF<sub>253</sub>, 3, 1, 0; 2001 SG<sub>260</sub>, 3, 1, 0; 2001 SK<sub>272</sub>, 3, 1, 0; 2001 SX<sub>277</sub>, 3, 1, 0; 2001 SD<sub>288</sub>, 3, 1, 0; 2001 SC<sub>289</sub>, 3, 1, 0; 2001 SZ<sub>291</sub>, 3, 1, 0; 2001 SJ<sub>292</sub>, 3, 1, 0; 2001 SO<sub>292</sub>, 3, 1, 0; 2001 SX<sub>313</sub>, 3, 1, 0; 2001 SD<sub>317</sub>, 3, 1, 0; 2001 SN<sub>318</sub>, 3, 1, 0; 2001 SO<sub>324</sub>, 3, 1, 0; 2001 SY<sub>327</sub>, 3, 1, 0; 2001 SL<sub>328</sub>, 3, 1, 0; 2001 SB<sub>342</sub>, 3, 1, 0; 2001 SL<sub>344</sub>, 6, 2, 440; 2001 SK<sub>345</sub>, 3, 1, 0; 2001 SY<sub>347</sub>, 3, 1, 0; 2001 TB<sub>7</sub>, 3, 1, 0; 2001 TO<sub>9</sub>, 3, 1, 0; 2001 TK<sub>10</sub>, 3, 1, 0; 2001 TL<sub>30</sub>, 3, 1, 0; 2001 TC<sub>53</sub>, 3, 1, 0; 2001 TO<sub>55</sub>, 3, 1, 0; 2001 TS<sub>80</sub>, 3, 1, 0; 2001 TQ<sub>81</sub>, 3, 1, 0; 2001 TW<sub>81</sub>, 3, 1, 0; 2001 TR<sub>83</sub>, 3, 1, 0; 2001 TJ<sub>84</sub>, 3, 1, 0; 2001 TO<sub>85</sub>, 3, 1, 0; 2001 TV<sub>86</sub>, 3, 1, 0; 2001 TM<sub>90</sub>, 3, 1, 0; 2001 TQ<sub>95</sub>, 9, 3, 24; 2001 TS<sub>119</sub>, 3, 1, 0; 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2002 FB<sub>13</sub>, 3, 1, 0; 2002 FE<sub>14</sub>, 3, 1, 0; 2002 FE<sub>15</sub>, 6, 2, 2785; 2002 FD<sub>17</sub>, 6, 2, 60; 2002 FU<sub>18</sub>, 3, 1, 0; 2002 FH<sub>22</sub>, 3, 1, 0; 2002 FZ<sub>30</sub>, 3, 1, 0; 2002 FU<sub>33</sub>, 3, 1, 0; 2002 FG<sub>40</sub>, 3, 1, 0; 2002 GA<sub>7</sub>, 3, 1, 0; 2002 GS<sub>11</sub>, 3, 1, 0; 2002 GK<sub>15</sub>, 3, 1, 0; 2002 GY<sub>21</sub>, 3, 1, 0; 2002 GY<sub>23</sub>, 3, 1, 0; 2002 GT<sub>25</sub>, 3, 1, 0; 2002 GX<sub>38</sub>, 3, 1, 0; 2002 GF<sub>40</sub>, 3, 1, 0; 2002 GK<sub>40</sub>, 3, 1, 0; 2002 GP<sub>40</sub>, 3, 1, 0; 2002 GS<sub>40</sub>, 3, 1, 0; 2002 GX<sub>41</sub>, 3, 1, 0; 2002 GM<sub>42</sub>, 3, 1, 0; 2002 GM<sub>44</sub>, 3, 1, 0; 2002 GU<sub>47</sub>, 6, 2, 7; 2002 GD<sub>49</sub>, 3, 1, 0; 2002 GG<sub>50</sub>, 3, 1, 0; 2002 GZ<sub>52</sub>, 3, 1, 0; 2002 GN<sub>54</sub>, 6, 2, 895; 2002 GH<sub>55</sub>, 6, 2, 1777; 2002 GK<sub>55</sub>, 3, 1, 0; 2002 GB<sub>56</sub>, 3, 1, 0; 2002 GW<sub>63</sub>, 3, 1, 0; 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6, 2, 2990; 2002 RD<sub>105</sub>, 6, 2, 1462; 2002 RM<sub>105</sub>, 3, 1, 0; 2002 RO<sub>105</sub>, 3, 1, 0; 2002 RJ<sub>106</sub>, 3, 1, 0; 2002 RL<sub>106</sub>, 3, 1, 0; 2002 RO<sub>107</sub>, 9, 3, 3365; 2002 RU<sub>107</sub>, 3, 1, 0; 2002 RM<sub>108</sub>, 3, 1, 0; 2002 RP<sub>108</sub>, 3, 1, 0; 2002 RQ<sub>109</sub>, 3, 1, 0; 2002 RN<sub>113</sub>, 6, 2, 24; 2002 RZ<sub>113</sub>, 3, 1, 0; 2002 RP<sub>114</sub>, 6, 2, 24; 2002 RJ<sub>116</sub>, 3, 1, 0; 2002 RU<sub>119</sub>, 6, 2, 53; 2002 RF<sub>122</sub>, 3, 1, 0; 2002 RJ<sub>125</sub>, 9, 3, 90; 2002 RB<sub>129</sub>, 12, 4, 560; 2002 RV<sub>130</sub>, 3, 1, 0; 2002 RV<sub>131</sub>, 6, 2, 28; 2002 RG<sub>133</sub>, 6, 2, 2511; 2002 RN<sub>133</sub>, 6, 2, 2; 2002 RD<sub>134</sub>, 3, 1, 0; 2002 RP<sub>134</sub>, 6, 2, 1513; 2002 RA<sub>139</sub>, 3, 1, 0; 2002 RH<sub>140</sub>, 6, 2, 2046; 2002 RN<sub>140</sub>, 3, 1, 0; 2002 RO<sub>152</sub>, 3, 1, 0; 2002 RO<sub>154</sub>, 3, 1, 0; 2002 RG<sub>155</sub>, 6, 2, 32; 2002 RK<sub>155</sub>, 6, 2, 9; 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2002 XM<sub>4</sub>, 2, 1, 0; 2002 XR<sub>6</sub>, 6, 2, 495; 2002 XB<sub>7</sub>, 9, 3, 39; 2002 XS<sub>7</sub>, 3, 1, 0; 2002 XY<sub>7</sub>, 3, 1, 0; 2002 XK<sub>8</sub>, 3, 1, 0; 2002 XS<sub>8</sub>, 6, 2, 1514; 2002 XQ<sub>9</sub>, 3, 1, 0; 2002 XA<sub>11</sub>, 6, 2, 591; 2002 XP<sub>18</sub>, 3, 1, 0; 2002 XR<sub>19</sub>, 3, 1, 0; 2002 XS<sub>22</sub>, 6, 2, 978; 2002 XS<sub>26</sub>, 3, 1, 0; 2002 XO<sub>28</sub>, 6, 2, 2277; 2002 XQ<sub>28</sub>, 3, 1, 0; 2002 XR<sub>28</sub>, 4, 1, 0; 2002 XO<sub>29</sub>, 3, 1, 0; 2002 XP<sub>30</sub>, 6, 2, 1799; 2002 XM<sub>32</sub>, 3, 1, 0; 2002 XG<sub>33</sub>, 3, 1, 0; 2002 XA<sub>34</sub>, 5, 2, 29; 2002 XF<sub>34</sub>, 2, 1, 0; 2002 XG<sub>34</sub>, 3, 1, 0; 2002 XH<sub>34</sub>, 3, 1, 0; 2002 XM<sub>34</sub>, 3, 1, 0; 2002 XA<sub>36</sub>, 3, 1, 0; 2002 XF<sub>37</sub>, 3, 1, 0; 2002 XD<sub>43</sub>, 2, 1, 0; 2002 XZ<sub>44</sub>, 3, 1, 0; 2002 XW<sub>45</sub>, 3, 1, 0; 2002 XO<sub>46</sub>, 3, 1, 0; 2002 XU<sub>46</sub>, 5, 2, 9; 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2003 FT<sub>91</sub>, 6, 2, 4022; 2003 FT<sub>107</sub>, 3, 1, 0; 2003 FT<sub>112</sub>, 3, 1, 0; 2003 FO<sub>113</sub>, 6, 2, 2769; 2003 FO<sub>114</sub>, 3, 1, 0; 2003 FY<sub>114</sub>, 6, 2, 1571; 2003 FN<sub>117</sub>, 3, 1, 0; 2003 FS<sub>119</sub>, 3, 1, 0; 2003 FZ<sub>120</sub>, 12, 4, 2953; 2003 GY<sub>1</sub>, 3, 1, 0; 2003 GE<sub>5</sub>, 3, 1, 0; 2003 GG<sub>9</sub>, 3, 1, 0; 2003 GD<sub>13</sub>, 3, 1, 0; 2003 GO<sub>23</sub>, 9, 3, 2772; 2003 GA<sub>26</sub>, 3, 1, 0; 2003 GP<sub>41</sub>, 6, 2, 6; 2003 GT<sub>41</sub>, 6, 2, 34; 2003 GR<sub>44</sub>, 3, 1, 0; 2003 GG<sub>47</sub>, 3, 1, 0; 2003 GY<sub>47</sub>, 6, 2, 11; 2003 GW<sub>53</sub>, 3, 1, 0; 2003 GN<sub>54</sub>, 3, 1, 0; 2003 GU<sub>54</sub>, 6, 2, 561; 2003 GC<sub>55</sub>, 9, 3, 40; 2003 HR<sub>2</sub>, 6, 2, 26; 2003 HL<sub>4</sub>, 6, 2, 3370; 2003 HN<sub>7</sub>, 6, 2, 912; 2003 HV<sub>8</sub>, 15, 5, 3323; 2003 HP<sub>9</sub>, 3, 1, 0; 2003 HT<sub>9</sub>, 3, 1, 0; 2003 HY<sub>11</sub>, 6, 2, 3290; 2003 HZ<sub>11</sub>, 3, 1, 0; 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6, 2, 6; 2003 KB<sub>29</sub> \*, 6, 2, 6; 2003 KC<sub>29</sub> \*, 6, 2, 6; 2003 KD<sub>29</sub> \*, 6, 2, 6; 2003 KE<sub>29</sub> \*, 6, 2, 6; 2003 KF<sub>29</sub> \*, 6, 2, 6; 2003 KG<sub>29</sub> \*, 6, 2, 6; 2003 KH<sub>29</sub> \*, 6, 2, 6; 2003 KJ<sub>29</sub> \*, 6, 2, 6; 2003 KK<sub>29</sub> \*, 6, 2, 6; 2003 KL<sub>29</sub> \*, 6, 2, 6; 2003 KM<sub>29</sub> \*, 6, 2, 6; 2003 KN<sub>29</sub> \*, 6, 2, 6; 2003 KO<sub>29</sub> \*, 3, 1, 0; 2003 KP<sub>29</sub> \*, 3, 1, 0; 2003 KQ<sub>29</sub> \*, 3, 1, 0; 2003 KR<sub>29</sub> \*, 3, 1, 0; 2003 KS<sub>29</sub> \*, 3, 1, 0; 2003 KT<sub>29</sub> \*, 3, 1, 0; 2003 KU<sub>29</sub> \*, 3, 1, 0; 2003 KV<sub>29</sub> \*, 3, 1, 0; 2003 KA<sub>30</sub> \*, 3, 1, 0; 2003 KB<sub>30</sub> \*, 3, 1, 0; 2003 KC<sub>30</sub> \*, 3, 1, 0; 2003 KD<sub>30</sub> \*, 3, 1, 0; 2003 KE<sub>30</sub> \*, 3, 1, 0; 2003 KK<sub>30</sub> \*, 6, 2, 6; 2003 KL<sub>30</sub> \*, 6, 2, 6; 2003 KM<sub>30</sub> \*, 6, 2, 6; 2003 KN<sub>30</sub> \*, 6, 2, 6; 2003 KO<sub>30</sub> \*, 6, 2, 6; 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1, 0; 2003 NR<sub>9</sub> \*, 6, 2, 6; 2003 NS<sub>9</sub> \*, 6, 2, 6; 2003 NT<sub>9</sub> \*, 6, 2, 6; 2003 NU<sub>9</sub> \*, 6, 2, 6; 2003 NV<sub>9</sub> \*, 3, 1, 0; 2003 NW<sub>9</sub> \*, 6, 2, 6; 2003 NX<sub>9</sub> \*, 6, 2, 6; 2003 NY<sub>9</sub> \*, 6, 2, 6; 2003 NZ<sub>9</sub> \*, 6, 2, 6; 2003 NA<sub>10</sub> \*, 6, 2, 6; 2003 NB<sub>10</sub> \*, 6, 2, 6; 2003 NC<sub>10</sub> \*, 6, 2, 6; 2003 ND<sub>10</sub> \*, 6, 2, 6; 2003 NE<sub>10</sub> \*, 6, 2, 6; 2003 NF<sub>10</sub> \*, 12, 4, 980; 2003 NG<sub>10</sub> \*, 6, 2, 6; 2003 NH<sub>10</sub> \*, 6, 2, 6; 2003 NJ<sub>10</sub> \*, 9, 2, 6; 2003 NK<sub>10</sub> \*, 6, 2, 6; 2003 NL<sub>10</sub> \*, 6, 2, 6; 2003 NM<sub>10</sub> \*, 6, 2, 6; 2003 NN<sub>10</sub> \*, 6, 2, 6; 2003 NO<sub>10</sub> \*, 6, 2, 6; 2003 NP<sub>10</sub> \*, 6, 2, 6; 2003 NQ<sub>10</sub> \*, 6, 2, 6; 2003 NR<sub>10</sub> \*, 9, 3, 887; 2003 NS<sub>10</sub> \*, 6, 2, 6; 2003 NT<sub>10</sub> \*, 6, 2, 6; 2003 NU<sub>10</sub> \*, 6, 2, 6; 2003 NV<sub>10</sub> \*, 6, 2, 6; 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1.54-m reflector + CCD

USNO-A2.0

2001 QN<sub>243</sub>, 3, 1, 0; [3, 1, 0\*, 1999/04/12]

## 695 Kitt Peak

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B. Gladman, Observatoire de Nice, Department Cassini, BP 229, F-06304 Nice Cedex 4, France [gladman@obs-nice.fr] (8)

Observers M. Buie, S. Lowry, S. Edgar, T. J. Balonek, C. Strom, R. Tripoli, R. Tweedy, J. Kern, C. Danforth, R. L. Allen, J. Kavelaars

2.3-m Steward reflector + CCD, 4-m reflector + CCD  
USNO-A2.0

{1} 1989 TH<sub>3</sub>, 2, 1, 0; 1992 EL<sub>13</sub>, 2, 1, 0; 1994 AH<sub>5</sub>, 2, 1, 0; 1995 SQ<sub>32</sub>, 2, 1, 0; 1995 SE<sub>35</sub>, 2, 1, 0; 1996 RW<sub>10</sub>, 2, 1, 0; 1997 JR<sub>1</sub>, 2, 1, 0; 1997 SN<sub>5</sub>, 2, 1, 0; 1998 QH<sub>41</sub>, 2, 1, 0; 1998 QJ<sub>103</sub>, 2, 1, 0; 1998 SR<sub>156</sub>, 2, 1, 0; 1998 YH<sub>17</sub>, 2, 1, 0; 1999 CP<sub>1</sub>, 2, 1, 0; 1999 HG<sub>12</sub>, 2, 1, 0; 1999 RC<sub>91</sub>, 2, 1, 0; 1999 RF<sub>138</sub>, 2, 1, 0; 1999 RK<sub>242</sub>, 2, 1, 0; 1999 TK<sub>41</sub>, 2, 1, 0; 1999 TJ<sub>260</sub>, 4, 1, 0; 1999 UE<sub>29</sub>, 2, 1, 0; 1999 VM<sub>33</sub>, 2, 1, 0; 1999 XE<sub>23</sub>, 2, 1, 0; 2000 AP<sub>218</sub>, 2, 1, 0; 2000 CD<sub>120</sub>, 2, 1, 0; 2000 DJ<sub>43</sub>, 2, 1, 0; 2000 DK<sub>48</sub>, 2, 1, 0; 2000 DE<sub>63</sub>, 2, 1, 0; 2000 DL<sub>101</sub>, 2, 1, 0; 2000 EJ<sub>10</sub>, 2, 1, 0; 2000 EJ<sub>176</sub>, 2, 1, 0; 2000 FG<sub>7</sub>, 2, 1, 0; 2000 GS<sub>33</sub>, 2, 1, 0; 2000 GS<sub>39</sub>, 2, 1, 0; 2000 GF<sub>75</sub>, 2, 1, 0; 2000 GS<sub>115</sub>, 2, 1, 0; 2000 GG<sub>120</sub>, 2, 1, 0; 2000 HQ<sub>22</sub>, 2, 1, 0; 2000 HL<sub>34</sub>, 2, 1, 0; 2000 HS<sub>66</sub>, 2, 1, 0; 2000 JB<sub>4</sub>, 2, 1, 0; 2000 JC<sub>22</sub>, 2, 1, 0; 2000 JD<sub>40</sub>, 2, 1, 0; 2000 JO<sub>41</sub>, 2, 1, 0; 2000 JF<sub>81</sub>, 2, 1, 0; 2000 PM<sub>16</sub>, 2, 1, 0; 2000 QY<sub>14</sub>, 2, 1, 0; 2000 QZ<sub>110</sub>, 2, 1, 0; 2000 QY<sub>220</sub>, 2, 1, 0; 2000 RW<sub>11</sub>, 2, 1, 0; 2000 RL<sub>35</sub>, 2, 1, 0; 2000 SG<sub>208</sub>, 2, 1, 0; 2000 SJ<sub>210</sub>, 2, 1, 0; 2000 TE<sub>13</sub>, 2, 1, 0; 2000 UQ<sub>46</sub>, 2, 1, 0; 2000 VW<sub>8</sub>, 2, 1, 0; 2001 DD<sub>106</sub>, 2, 1, 0; 2001 KP<sub>25</sub>, 2, 1, 0; 2001 MF<sub>3</sub>, 2, 1, 0; 2001 OM<sub>64</sub>, 2, 1, 0; 2001 QN<sub>57</sub>, 2, 1, 0; 2001 QT<sub>141</sub>, 2, 1, 0; 2001 QB<sub>255</sub>, 2, 1, 0; 2001 QM<sub>290</sub>, 2, 1, 0; 2001 QP<sub>297</sub>, 2, 1, 0; 2001 RF<sub>92</sub>, 2, 1, 0; 2001 RO<sub>121</sub>, 2, 1, 0; 2001 SH<sub>23</sub>, 2, 1, 0; 2001 SY<sub>23</sub>, 2, 1, 0; 2001 SP<sub>60</sub>, 2, 1, 0; 2001 SJ<sub>202</sub>, 2, 1, 0; 2001 SJ<sub>223</sub>, 2, 1, 0; 2001 SZ<sub>333</sub>, 2, 1, 0; 2001 TN<sub>98</sub>, 2, 1, 0; 2001 UG<sub>64</sub>, 2, 1, 0; 2001 UK<sub>85</sub>, 2, 1, 0; 2001 UL<sub>85</sub>, 2, 1, 0; 2001 VR<sub>33</sub>, 2, 1, 0; 2001 VH<sub>109</sub>, 2, 1, 0; 2001 XJ<sub>35</sub>, 2, 1, 0; 2001 XX<sub>162</sub>, 2, 1, 0; 2001 XF<sub>204</sub>, 2, 1, 0; 2001 YJ<sub>86</sub>, 2, 1, 0; 2001 YR<sub>103</sub>, 2, 1, 0; 2001 YP<sub>130</sub>, 2, 1, 0; 2001 YF<sub>142</sub>, 2, 1, 0; 2002 BU<sub>26</sub>, 2, 1, 0; 2002 CV<sub>120</sub>, 2, 1, 0; 2002 CU<sub>167</sub>, 2, 1, 0; 2002 CR<sub>198</sub>, 2, 1, 0; 2002 CG<sub>212</sub>, 2, 1, 0; 2002 EP<sub>8</sub>, 2, 1, 0; 2002 ED<sub>51</sub>, 2, 1, 0; 2002 EC<sub>79</sub>, 2, 1, 0; 2002 EM<sub>108</sub>, 2, 1, 0; 2002 EX<sub>111</sub>, 2, 1, 0; 2002 EX<sub>155</sub>, 2, 1, 0; 2002 FU<sub>18</sub>, 2, 1, 0; 2002 JW<sub>135</sub>, 2, 1, 0; 2002 NG<sub>4</sub>, 2, 1, 0; 2002 PX<sub>111</sub>, 2, 1, 0; 2002 QM<sub>25</sub>, 4, 1, 0; 2002 SL<sub>38</sub>, 2, 1, 0; 2002 TJ<sub>97</sub>, 2, 1, 0; 2002 UT<sub>37</sub>, 2, 1, 0; 2002 UN<sub>43</sub>, 2, 1, 0; 2002 XS<sub>8</sub>, 2, 1, 0; 2002 XB<sub>97</sub>, 2, 1, 0; 2002 XR<sub>113</sub>, 2, 1, 0; 2003 AB<sub>60</sub>, 2, 1, 0; 2003 BT<sub>11</sub>, 2, 1, 0; 2003 BR<sub>53</sub>, 2, 1, 0; 2003 DM<sub>21</sub>, 3, 1, 0; 2003 EO<sub>36</sub>, 2, 1, 0; 2003 GA<sub>32</sub>, 2, 1, 0; 2003 GE<sub>55</sub>, 2, 1, 0; 2003 GF<sub>55</sub>, 2, 1, 0; 2003 HW<sub>16</sub>, 2, 1, 0; 2003 HD<sub>18</sub>, 2, 1, 0; 2003 HV<sub>52</sub>, 2, 1, 0; 2003 HF<sub>55</sub>, 2, 1, 0; 2003 KF<sub>2</sub>, 2, 1, 0; 2003 LU<sub>5</sub>, 2, 1, 0; 2003 MX<sub>9</sub>, 2, 1, 0; 2003 OP<sub>9</sub>, 2, 1, 0; 2003 OE<sub>10</sub>, 2, 1, 0; 2003 OP<sub>29</sub>, 2, 1, 0; 2003 PG<sub>12</sub>, 2, 1, 0; 2003 QP<sub>11</sub>, 2, 1, 0; 2003 QW<sub>25</sub>, 2, 1, 0; 1300 T-2, 2, 1, 0; 3442 T-3, 2, 1, 0; (26052), 2, 1, 0; (65471), 2, 1, 0; [271, 133, 1\*, 2000/02/05–2003/04/01]

{2} 1999 JG<sub>51</sub>, 4, 1, 0; 2000 SY<sub>188</sub>, 3, 1, 0; 2003 CF<sub>2</sub>, 2, 1, 0; [9, 3, 0\*, 1995/04/08–1995/04/12]

{3} 2000 SL<sub>291</sub>, 3, 1, 0; 2001 SB<sub>147</sub>, 3, 1, 0; 2001 TD<sub>178</sub>, 3, 1, 0; 2001 TL<sub>239</sub>, 9, 1, 0; 2001 VZ<sub>103</sub>, 5, 1, 0; [23, 5, 0\*, 2001/12/17–2003/03/10]

{8} 2001 OM<sub>109</sub>, 3, 1, 0; [3, 1, 0\*, 2002/07/05]

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T. B. Spahr, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [tspah@cf.a.harvard.edu] (7)

Observer C. W. Hergenrother

Measurer T. B. Spahr

1.2-m reflector

USNO-B1.0

{1} 2000 QT<sub>49</sub>, 2, 1, 0; 2002 VU<sub>51</sub>, 2, 1, 0; 2003 AC<sub>52</sub>, 2, 1, 0; [6, 3, 0\*, 1996/06/25–1998/01/22]

{7} 1998 HL<sub>49</sub>, 2, 1, 0; 1999 YR<sub>14</sub>, 2, 1, 0; 2002 XF<sub>46</sub>, 2, 1, 0; 2003 BM<sub>80</sub>, 2, 1, 0; 2003 HG<sub>2</sub>, 2, 1, 0; 2003 JD<sub>17</sub>, 2, 1, 0; 2003 KN<sub>18</sub>, 2, 1, 0; [14, 7, 0\*, 2003/06/24–2003/06/26]

### 697 Kitt Peak, McGraw-Hill Observatory

M. Holman, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [mholman@cf.a.harvard.edu]

Observer B. Chaboyer

Measurer M. Holman

2.4-m MDM reflector + CCD

USNO-A2.0

2000 WS<sub>147</sub>, 6, 1, 0; 2001 UF<sub>132</sub>, 8, 1, 0; [14, 2, 0\*, 2000/10/17–2000/10/19]

### 699 Lowell Observatory-LONEOS

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Observers M. E. Van Ness, B. W. Koehn, B. A. Skiff, G. H. Bliss

Measurers M. E. Van Ness, B. W. Koehn, C. L. Jackolski, B. A. Skiff, W. S. Kelly, G. H. Bliss

0.59-m LONEOS Schmidt + CCD

USNO-B1.0, USNO-A2.0

1979 ME<sub>1</sub>, 4, 1, 0; 1981 DS<sub>2</sub>, 4, 1, 0; 1981 EN<sub>28</sub>, 4, 1, 0; 1981 EL<sub>30</sub>, 4, 1, 0; 1981 ET<sub>32</sub>, 4, 1, 0; 1981 EF<sub>35</sub>, 4, 1, 0; 1981 EV<sub>35</sub>, 4, 1, 0; 1986 QC<sub>3</sub>, 4, 1, 0; 1986 RE<sub>5</sub>, 4, 1, 0; 1986 RP<sub>5</sub>, 4, 1, 0; 1988 AX<sub>1</sub>, 4, 1, 0; 1989 CC<sub>3</sub>, 4, 1, 0; 1990 WM<sub>4</sub>, 8, 2, 1; 1991 RO<sub>11</sub>, 4, 1, 0; 1992 EK<sub>4</sub>, 10, 3, 1619; 1992 EX<sub>5</sub>, 4, 1, 0; 1992 ED<sub>16</sub>, 4, 1, 0; 1992 RT<sub>1</sub>, 4, 1, 0; 1992 RR<sub>7</sub>, 4, 1, 0; 1993 BO<sub>8</sub>, 4, 1, 0; 1993 FY<sub>17</sub>, 3, 1, 0; 1993 FD<sub>84</sub>, 4, 1, 0; 1993 KO<sub>3</sub>, 3, 1, 0; 1993 QH<sub>7</sub>, 4, 1, 0; 1993 SC<sub>9</sub>, 4, 1, 0; 1993 TY<sub>18</sub>, 8, 2, 10; 1993 TU<sub>26</sub>, 3, 1, 0; 1993 TT<sub>31</sub>, 4, 1, 0; 1993 UO<sub>8</sub>, 3, 1, 0; 1993 YH<sub>17</sub>, 4, 1, 0; 1994 BG<sub>2</sub>, 4, 1, 0; 1994 CY<sub>10</sub>, 4, 1, 0; 1994 PE<sub>25</sub>, 4, 1, 0; 1994 PJ<sub>32</sub>, 4, 1, 0; 1994 TH<sub>15</sub>, 4, 1, 0; 1994 VK<sub>7</sub>, 3, 1, 0; 1995 MO<sub>1</sub>, 3, 1, 0; 1995 QU<sub>5</sub>, 3, 1, 0; 1995 SQ<sub>27</sub>, 4, 1, 0; 1995 VD<sub>13</sub>, 4, 1, 0; 1995 WN<sub>1</sub>, 7, 2, 541; 1995 WS<sub>3</sub>, 4, 1, 0; 1995 YL<sub>4</sub>, 4, 1, 0; 1995 YU<sub>10</sub>, 3, 1, 0; 1995 YO<sub>18</sub>, 4, 1, 0; 1996 AU<sub>13</sub>, 6, 2, 9; 1996 BW<sub>8</sub>, 4, 1, 0; 1996 HO<sub>22</sub>, 3, 1, 0; 1996 KM<sub>14</sub>, 4, 1, 0; 1996 LO<sub>1</sub>, 12, 2, 6; 1996 PQ<sub>9</sub>, 8, 2, 13; 1996 TL<sub>45</sub>, 3, 1, 0; 1996 VN<sub>17</sub>, 4, 1, 0; 1996 VG<sub>32</sub>, 3, 1, 0; 1996 XD<sub>26</sub>, 4, 1, 0; 1997 AE<sub>5</sub>, 4, 1, 0; 1997 AE<sub>12</sub>, 4, 1, 0; 1997 CT<sub>2</sub>, 3, 1, 0; 1997 CZ<sub>5</sub>, 4, 1, 0; 1997 CF<sub>9</sub>, 4, 1, 0; 1997 CE<sub>26</sub>, 4, 1, 0; 1997 GN<sub>3</sub>, 3, 1, 0; 1997 GJ<sub>1</sub>, 4, 1, 0; 1997 MF<sub>6</sub>, 3, 1, 0; 1997 NW<sub>4</sub>, 4, 1, 0; 1997 UC<sub>22</sub>, 4, 1, 0; 1997 VO<sub>4</sub>, 4, 1, 0; 1997 WD<sub>7</sub>, 8, 2, 8; 1997 WY<sub>14</sub>, 3, 1, 0; 1997 XK<sub>1</sub>, 4, 1, 0; 1998 BU<sub>20</sub>, 4, 1, 0; 1998 CK<sub>4</sub>, 1, 0; 1998 CP<sub>4</sub>, 1, 0; 1998 DQ<sub>8</sub>, 4, 1, 0; 1998 EV<sub>2</sub>, 4, 1, 0; 1998 EH<sub>9</sub>, 4, 1, 0; 1998 FH<sub>12</sub>, 4, 1, 0; 1998 FB<sub>32</sub>, 4, 1, 0; 1998 FO<sub>34</sub>, 4, 1, 0; 1998 FJ<sub>36</sub>, 4, 1, 0; 1998 FE<sub>65</sub>, 4, 1, 0; 1998 FG<sub>69</sub>, 4, 1, 0; 1998 FK<sub>79</sub>, 4, 1, 0; 1998 FH<sub>87</sub>, 4, 1, 0; 1998 FZ<sub>99</sub>, 8, 2, 1; 1998 FZ<sub>103</sub>, 4, 1, 0; 1998 GU<sub>7</sub>, 4, 1, 0; 1998 GX<sub>8</sub>, 8, 2, 10; 1998 HC<sub>1</sub>, 4, 1, 0; 1998 HB<sub>6</sub>, 4, 1, 0; 1998 HR<sub>7</sub>, 4, 1, 0; 1998 HA<sub>25</sub>, 4, 1, 0; 1998 HZ<sub>38</sub>, 4, 1, 0; 1998 HM<sub>93</sub>, 3, 1, 0; 1998 HN<sub>119</sub>, 4, 1, 0; 1998 HT<sub>119</sub>, 4, 1, 0; 1998 HA<sub>125</sub>, 4, 1, 0; 1998 KP<sub>52</sub>, 4, 1, 0; 1998 MO<sub>12</sub>, 4, 1, 0; 1998 ME<sub>35</sub>, 8, 2, 5; 1998 OD<sub>4</sub>, 8, 1, 0; 1998 OX<sub>6</sub>, 4, 1, 0; 1998 OC<sub>10</sub>, 4, 1, 0; 1998 QD<sub>3</sub>, 6, 2, 46; 1998 QN<sub>3</sub>, 3, 1, 0; 1998 QJ<sub>9</sub>, 4, 1, 0; 1998 QR<sub>17</sub>, 4, 1, 0; 1998 QM<sub>23</sub>, 4, 1, 0; 1998 QC<sub>24</sub>, 7, 2, 1681; 1998 QT<sub>26</sub>, 3, 1, 0; 1998 QX<sub>27</sub>, 4, 1, 0; 1998 QP<sub>36</sub>, 3, 1, 0; 1998 QE<sub>50</sub>, 6, 2, 24; 1998 QU<sub>51</sub>, 4, 1, 0; 1998 QY<sub>64</sub>, 4, 1, 0; 1998 QM<sub>66</sub>, 6, 2, 104; 1998 QG<sub>68</sub>, 3, 1, 0; 1998 QD<sub>70</sub>, 3, 1, 0; 1998 QA<sub>73</sub>, 6, 2, 26; 1998 QS<sub>74</sub>, 4, 1, 0; 1998 QO<sub>79</sub>, 3, 1, 0; 1998 QT<sub>84</sub>, 3, 1, 0; 1998 QJ<sub>85</sub>, 4, 1, 0; 1998 QK<sub>85</sub>, 3, 1, 0; 1998 QB<sub>86</sub>, 4, 1, 0; 1998 QN<sub>87</sub>, 4, 1, 0; 1998 QR<sub>87</sub>, 4, 1, 0; 1998 QU<sub>87</sub>, 3, 1, 0; 1998 QV<sub>95</sub>, 3, 1, 0; 1998 RG<sub>3</sub>, 3, 1, 0; 1998 RN<sub>4</sub>, 3, 1, 0; 1998 RX<sub>6</sub>, 6, 2, 19; 1998 RA<sub>12</sub>, 3, 1, 0; 1998 RK<sub>40</sub>, 3, 1, 0; 1998 RS<sub>44</sub>, 4, 1, 0; 1998 RH<sub>53</sub>, 4, 1, 0; 1998 RL<sub>58</sub>, 3, 1, 0; 1998 RU<sub>62</sub>, 3, 1, 0; 1998 RJ<sub>63</sub>, 3, 1, 0; 1998 RK<sub>64</sub>, 3, 1, 0; 1998 RF<sub>70</sub>, 3, 1, 0; 1998 RE<sub>80</sub>, 3, 1, 0; 1998 SY<sub>1</sub>, 4, 1, 0; 1998 SW<sub>10</sub>, 3, 1, 0; 1998 SB<sub>11</sub>, 4, 1, 0; 1998 SU<sub>12</sub>, 4, 1, 0; 1998 SW<sub>25</sub>, 4, 1, 0; 1998 SQ<sub>33</sub>, 3, 1, 0; 1998 SX<sub>34</sub>, 4, 1, 0; 1998 SE<sub>35</sub>, 3, 1, 0; 1998 SG<sub>55</sub>, 4, 1, 0; 1998 SH<sub>55</sub>, 3, 1, 0; 1998 SC<sub>62</sub>, 3, 1, 0; 1998 SD<sub>69</sub>, 3, 1, 0; 1998 SJ<sub>82</sub>, 4, 1, 0; 1998 SP<sub>84</sub>, 3, 1, 0; 1998 SJ<sub>91</sub>, 3, 1, 0; 1998 SD<sub>92</sub>, 3, 1, 0; 1998 SG<sub>97</sub>, 3, 1, 0; 1998 SY<sub>107</sub>, 3, 1, 0; 1998 SC<sub>117</sub>, 6, 2, 28; 1998 SE<sub>137</sub>, 4, 1, 0; 1998 SZ<sub>147</sub>, 3, 1, 0; 1998 SE<sub>161</sub>, 4, 1, 0; 1998 SV<sub>168</sub>, 3, 1, 0; 1998 TN<sub>32</sub>, 4, 1, 0; 1998 TX<sub>36</sub>, 3, 1, 0; 1998 UV<sub>4</sub>, 4, 1, 0; 1998 UD<sub>1</sub>, 3, 1, 0; 1998 UH<sub>1</sub>, 4, 1, 0; 1998 UT<sub>5</sub>, 3, 1, 0; 1998 UR<sub>7</sub>, 3, 1, 0; 1998 UQ<sub>8</sub>, 6, 2, 8; 1998 UF<sub>11</sub>, 6, 2, 22; 1998 UL<sub>19</sub>, 3, 1, 0; 1998 UZ<sub>25</sub>, 3, 1, 0; 1998 UD<sub>26</sub>, 3, 1, 0; 1998 UC<sub>27</sub>, 3, 1, 0; 1998 UZ<sub>44</sub>, 3, 1, 0; 1998 VN<sub>6</sub>, 6, 2, 29; 1998 VO<sub>3</sub>, 3, 1, 0; 1998 VX<sub>6</sub>, 6, 2, 68; 1998 VC<sub>8</sub>, 4, 1, 0; 1998 VR<sub>9</sub>, 3, 1, 0; 1998 VQ<sub>10</sub>, 3, 1, 0; 1998 VV<sub>11</sub>, 3, 1, 0; 1998 VY<sub>11</sub>, 3, 1, 0; 1998 VN<sub>12</sub>, 3, 1, 0; 1998 VO<sub>12</sub>, 3, 1, 0; 1998 VM<sub>22</sub>, 3, 1, 0; 1998 VC<sub>23</sub>, 3, 1, 0; 1998 VE<sub>28</sub>, 3, 1, 0; 1998 VG<sub>28</sub>, 8, 2, 20; 1998 VJ<sub>30</sub>, 4, 1, 0; 1998 VP<sub>32</sub>, 4, 1, 0; 1998 VL<sub>33</sub>, 3, 1, 0; 1998 VU<sub>40</sub>, 3, 1, 0; 1998 VA<sub>47</sub>, 4, 1, 0; 1998 VA<sub>49</sub>, 3, 1, 0; 1998 VB<sub>54</sub>, 3, 1, 0; 1998 VX<sub>54</sub>, 4, 1, 0; 1998 WJ<sub>12</sub>, 3, 1, 0; 1998 WL<sub>13</sub>, 4, 1, 0; 1998 WZ<sub>18</sub>, 3, 1, 0; 1998 WH<sub>30</sub>, 3, 1, 0; 1998 WF<sub>31</sub>, 4, 1, 0; 1998 WQ<sub>34</sub>, 3, 1, 0; 1998 WK<sub>36</sub>, 3, 1, 0; 1998 XQ<sub>10</sub>, 4, 1, 0; 1998 XM<sub>13</sub>, 3, 1, 0; 1998 XO<sub>13</sub>, 3, 1, 0; 1998 XW<sub>28</sub>, 3, 1, 0; 1998 XM<sub>47</sub>, 4, 1, 0; 1998 XS<sub>73</sub>, 4, 1, 0; 1998 XK<sub>79</sub>, 4, 1, 0; 1999 AB<sub>4</sub>, 1, 0; 1999 BQ<sub>9</sub>, 4, 1, 0; 1999 CW<sub>8</sub>, 3, 1, 0; 1999 CG<sub>12</sub>, 4, 1, 0; 1999 CM<sub>38</sub>, 3, 1, 0; 1999 CS<sub>47</sub>, 3, 1, 0; 1999 CE<sub>77</sub>, 4, 1, 0; 1999 CU<sub>79</sub>, 3, 1, 0; 1999 CT<sub>80</sub>, 3, 1, 0; 1999 CC<sub>84</sub>, 3, 1, 0; 1999 CJ<sub>85</sub>, 4, 1, 0; 1999 CY<sub>94</sub>, 4, 1, 0; 1999 CT<sub>98</sub>, 4, 1, 0; 1999 CO<sub>102</sub>, 4, 1, 0; 1999 CK<sub>108</sub>, 3, 1, 0; 1999 CP<sub>111</sub>, 3, 1, 0; 1999 CB<sub>114</sub>, 4, 1, 0; 1999 CJ<sub>127</sub>, 3, 1, 0; 1999 CC<sub>156</sub>, 4, 1, 0; 1999 DO<sub>3</sub>, 1, 0; 1999 EM<sub>3</sub>, 4, 1, 0; 1999 FJ<sub>3</sub>, 4, 1, 0; 1999 FC<sub>8</sub>, 3, 1, 0; 1999 FN<sub>19</sub>, 3, 1, 0; 1999 FQ<sub>21</sub>, 3, 1, 0; 1999 FV<sub>28</sub>, 4, 1, 0; 1999 FA<sub>30</sub>, 4, 1, 0; 1999 FV<sub>42</sub>, 4, 1, 0; 1999 FE<sub>47</sub>, 6, 2, 47; 1999 GK<sub>3</sub>, 3, 1, 0; 1999 GL<sub>6</sub>, 4, 1, 0; 1999 GC<sub>16</sub>, 3, 1, 0; 1999 GP<sub>19</sub>, 4, 1, 0; 1999 GY<sub>26</sub>, 4, 1, 0; 1999 GJ<sub>33</sub>, 3, 1, 0; 1999 GN<sub>42</sub>, 4, 1, 0; 1999 HR<sub>4</sub>, 4, 1, 0; 1999 HK<sub>4</sub>, 4, 1, 0; 1999 JD<sub>6</sub>, 4, 1, 0; 1999 JO<sub>6</sub>, 3, 1, 0; 1999 JU<sub>7</sub>, 4, 1, 0; 1999 JK<sub>8</sub>, 4, 1, 0; 1999 JK<sub>11</sub>, 4, 1, 0; 1999 JF<sub>12</sub>, 4, 1, 0; 1999 JV<sub>12</sub>, 4, 1, 0; 1999 JY<sub>12</sub>, 4, 1, 0; 1999 JG<sub>14</sub>, 4, 1, 0; 1999 JE<sub>20</sub>, 4, 1, 0; 1999 JC<sub>29</sub>, 4, 1, 0; 1999 JG<sub>32</sub>, 8, 1, 0; 1999 JV<sub>32</sub>, 8, 2, 8; 1999 JG<sub>37</sub>, 4, 1, 0; 1999 JV<sub>40</sub>, 4, 1, 0; 1999 JE<sub>42</sub>, 4, 1, 0; 1999 JJ<sub>43</sub>, 4, 1, 0; 1999 JB<sub>48</sub>, 4, 1, 0; 1999 JH<sub>53</sub>, 4, 1, 0; 1999 JR<sub>55</sub>, 4, 1, 0; 1999 JK<sub>59</sub>, 4, 1, 0; 1999 JY<sub>59</sub>, 8, 2, 1; 1999 JU<sub>61</sub>, 4, 1, 0; 1999 JG<sub>63</sub>, 3, 1, 0; 1999 JA<sub>65</sub>, 4, 1, 0; 1999 JX<sub>65</sub>, 4, 1, 0; 1999 JS<sub>70</sub>, 4, 1, 0; 1999 JW<sub>72</sub>, 4, 1, 0; 1999 JY<sub>74</sub>, 4, 1, 0; 1999 JY<sub>82</sub>, 4, 1, 0; 1999 JW<sub>87</sub>, 4, 1, 0; 1999 JH<sub>92</sub>, 4, 1, 0; 1999 JS<sub>94</sub>, 4, 1, 0; 1999 JP<sub>97</sub>, 4, 1, 0; 1999 JY<sub>97</sub>, 4, 1, 0; 1999 JA<sub>101</sub>, 4, 1, 0; 1999 JA<sub>103</sub>, 4, 1, 0; 1999 JW<sub>114</sub>, 8, 2, 1; 1999 JL<sub>122</sub>, 4, 1, 0; 1999 JF<sub>125</sub>, 3, 1, 0; 1999 JC<sub>127</sub>, 4, 1, 0; 1999 JR<sub>133</sub>, 3, 1, 0; 1999 KT<sub>4</sub>, 6, 2, 76; 1999 KW<sub>4</sub>, 8, 2, 13; 1999 LP<sub>12</sub>, 12, 3, 11; 1999 LV<sub>1</sub>, 3, 1, 0; 1999 LN<sub>4</sub>, 20, 4, 118; 1999 LY<sub>12</sub>, 4, 1, 0; 1999 LX<sub>14</sub>, 4, 1, 0; 1999 LB<sub>16</sub>, 8, 2, 6; 1999 LA<sub>35</sub>, 4, 1, 0; 1999 MK<sub>1</sub>, 8, 2, 8; 1999 NH<sub>2</sub>, 4, 1, 0; 1999 NA<sub>5</sub>, 3, 1, 0; 1999 NK<sub>5</sub>, 8, 2, 6; 1999 NW<sub>7</sub>, 4, 1, 0; 1999 NR<sub>13</sub>, 4, 1, 0; 1999 NN<sub>15</sub>, 8, 2, 1; 1999 NM<sub>22</sub>

1, 0; 1999 NR<sub>37</sub>, 3, 1, 0; 1999 NM<sub>41</sub>, 3, 1, 0; 1999 NE<sub>43</sub>, 6, 2, 17; 1999 NV<sub>43</sub>, 4, 1, 0; 1999 NL<sub>46</sub>, 4, 1, 0; 1999 NF<sub>49</sub>, 4, 1, 0; 1999 NX<sub>49</sub>, 4, 1, 0; 1999 NT<sub>50</sub>, 4, 1, 0; 1999 NA<sub>54</sub>, 3, 1, 0; 1999 NX<sub>56</sub>, 4, 1, 0; 1999 OJ<sub>10</sub>, 3, 1436; 1999 OB<sub>2</sub>, 4, 1, 0; 1999 OC<sub>2</sub>, 4, 1, 0; 1999 OH<sub>2</sub>, 8, 2, 7; 1999 OS<sub>2</sub>, 4, 1, 0; 1999 PM<sub>4</sub>, 4, 1, 0; 1999 PE<sub>4</sub>, 3, 1, 0; 1999 PG<sub>4</sub>, 3, 1, 0; 1999 PT<sub>8</sub>, 3, 1, 0; 1999 QJ<sub>3</sub>, 3, 1, 0; 1999 RX<sub>3</sub>, 3, 1, 0; 1999 RV<sub>2</sub>, 3, 1, 0; 1999 RE<sub>3</sub>, 3, 1, 0; 1999 RC<sub>4</sub>, 3, 1, 0; 1999 RV<sub>10</sub>, 3, 1, 0; 1999 RD<sub>12</sub>, 4, 1, 0; 1999 RS<sub>14</sub>, 4, 1, 0; 1999 RJ<sub>15</sub>, 4, 1, 0; 1999 RY<sub>19</sub>, 3, 1, 0; 1999 RZ<sub>20</sub>, 3, 1, 0; 1999 RF<sub>22</sub>, 3, 1, 0; 1999 RN<sub>23</sub>, 6, 2, 13; 1999 RU<sub>25</sub>, 3, 1, 0; 1999 RY<sub>25</sub>, 3, 1, 0; 1999 RT<sub>26</sub>, 3, 1, 0; 1999 RE<sub>28</sub>, 3, 1, 0; 1999 RS<sub>29</sub>, 3, 1, 0; 1999 RK<sub>30</sub>, 3, 1, 0; 1999 RB<sub>34</sub>, 8, 1, 0; 1999 RA<sub>35</sub>, 8, 2, 10; 1999 RD<sub>44</sub>, 4, 1, 0; 1999 RO<sub>44</sub>, 4, 1, 0; 1999 RS<sub>46</sub>, 6, 2, 18; 1999 RW<sub>46</sub>, 3, 1, 0; 1999 RY<sub>48</sub>, 3, 1, 0; 1999 RN<sub>52</sub>, 3, 1, 0; 1999 RB<sub>56</sub>, 4, 1, 0; 1999 RV<sub>57</sub>, 6, 2, 5; 1999 RP<sub>59</sub>, 3, 1, 0; 1999 RK<sub>60</sub>, 3, 1, 0; 1999 RD<sub>64</sub>, 4, 1, 0; 1999 RH<sub>66</sub>, 3, 1, 0; 1999 RX<sub>67</sub>, 3, 1, 0; 1999 RU<sub>71</sub>, 4, 1, 0; 1999 RZ<sub>75</sub>, 4, 1, 0; 1999 RW<sub>82</sub>, 3, 1, 0; 1999 RY<sub>82</sub>, 3, 1, 0; 1999 RH<sub>83</sub>, 4, 1, 0; 1999 RV<sub>84</sub>, 6, 2, 10; 1999 RN<sub>85</sub>, 3, 1, 0; 1999 RF<sub>87</sub>, 9, 3, 23; 1999 RO<sub>87</sub>, 3, 1, 0; 1999 RN<sub>91</sub>, 3, 1, 0; 1999 RR<sub>91</sub>, 6, 2, 13; 1999 RZ<sub>91</sub>, 3, 1, 0; 1999 RV<sub>93</sub>, 3, 1, 0; 1999 RY<sub>93</sub>, 3, 1, 0; 1999 RH<sub>94</sub>, 3, 1, 0; 1999 RL<sub>97</sub>, 3, 1, 0; 1999 RG<sub>102</sub>, 8, 2, 15; 1999 RF<sub>103</sub>, 4, 1, 0; 1999 RH<sub>103</sub>, 4, 1, 0; 1999 RX<sub>104</sub>, 4, 1, 0; 1999 RE<sub>105</sub>, 3, 1, 0; 1999 RU<sub>105</sub>, 4, 1, 0; 1999 RU<sub>106</sub>, 4, 1, 0; 1999 RJ<sub>108</sub>, 4, 1, 0; 1999 RQ<sub>109</sub>, 4, 1, 0; 1999 RS<sub>110</sub>, 4, 1, 0; 1999 RW<sub>113</sub>, 4, 1, 0; 1999 RV<sub>115</sub>, 3, 1, 0; 1999 RW<sub>116</sub>, 4, 1, 0; 1999 RG<sub>118</sub>, 3, 1, 0; 1999 RZ<sub>119</sub>, 3, 1, 0; 1999 RN<sub>122</sub>, 6, 2, 22; 1999 RG<sub>124</sub>, 4, 1, 0; 1999 RB<sub>125</sub>, 3, 1, 0; 1999 RQ<sub>130</sub>, 4, 1, 0; 1999 RB<sub>133</sub>, 8, 2, 11; 1999 RZ<sub>133</sub>, 4, 1, 0; 1999 RU<sub>136</sub>, 4, 1, 0; 1999 RO<sub>138</sub>, 4, 1, 0; 1999 RS<sub>145</sub>, 4, 1, 0; 1999 RV<sub>149</sub>, 6, 2, 15; 1999 RV<sub>150</sub>, 4, 1, 0; 1999 RR<sub>152</sub>, 4, 1, 0; 1999 RR<sub>154</sub>, 3, 1, 0; 1999 RZ<sub>155</sub>, 4, 1, 0; 1999 RW<sub>158</sub>, 3, 1, 0; 1999 RG<sub>161</sub>, 4, 1, 0; 1999 RS<sub>163</sub>, 4, 1, 0; 1999 RN<sub>169</sub>, 3, 1, 0; 1999 RB<sub>177</sub>, 3, 1, 0; 1999 RK<sub>177</sub>, 3, 1, 0; 1999 RC<sub>178</sub>, 3, 1, 0; 1999 RU<sub>178</sub>, 8, 1, 0; 1999 RA<sub>181</sub>, 4, 1, 0; 1999 RU<sub>183</sub>, 3, 1, 0; 1999 RQ<sub>184</sub>, 4, 1, 0; 1999 RQ<sub>188</sub>, 3, 1, 0; 1999 RV<sub>189</sub>, 3, 1, 0; 1999 RE<sub>195</sub>, 8, 2, 1; 1999 RT<sub>195</sub>, 4, 1, 0; 1999 RW<sub>198</sub>, 8, 2, 13; 1999 RZ<sub>198</sub>, 4, 1, 0; 1999 RY<sub>199</sub>, 4, 1, 0; 1999 RT<sub>201</sub>, 8, 2, 1; 1999 RX<sub>201</sub>, 4, 1, 0; 1999 RJ<sub>205</sub>, 4, 1, 0; 1999 RC<sub>208</sub>, 4, 1, 0; 1999 RF<sub>208</sub>, 8, 2, 15; 1999 RS<sub>208</sub>, 4, 1, 0; 1999 RP<sub>209</sub>, 4, 1, 0; 1999 RT<sub>210</sub>, 4, 1, 0; 1999 RQ<sub>219</sub>, 4, 1, 0; 1999 RL<sub>221</sub>, 4, 1, 0; 1999 RR<sub>224</sub>, 3, 1, 0; 1999 RL<sub>231</sub>, 8, 2, 8; 1999 RY<sub>242</sub>, 4, 1, 0; 1999 RH<sub>246</sub>, 3, 1, 0; 1999 RQ<sub>252</sub>, 8, 2, 11; 1999 RA<sub>258</sub>, 3, 1, 0; 1999 SC<sub>8</sub>, 3, 1, 0; 1999 SF<sub>12</sub>, 4, 1, 0; 1999 SV<sub>13</sub>, 3, 1, 0; 1999 SY<sub>27</sub>, 4, 1, 0; 1999 TX<sub>4</sub>, 3, 1, 0; 1999 TC<sub>9</sub>, 4, 1, 0; 1999 TL<sub>9</sub>, 4, 1, 0; 1999 TC<sub>19</sub>, 4, 1, 0; 1999 TW<sub>20</sub>, 3, 1, 0; 1999 TO<sub>25</sub>, 4, 1, 0; 1999 TR<sub>28</sub>, 4, 1, 0; 1999 TB<sub>29</sub>, 4, 1, 0; 1999 TN<sub>29</sub>, 3, 1, 0; 1999 TL<sub>40</sub>, 3, 1, 0; 1999 TG<sub>50</sub>, 4, 1, 0; 1999 TF<sub>59</sub>, 3, 1, 0; 1999 TO<sub>86</sub>, 3, 1, 0; 1999 TN<sub>89</sub>, 4, 1, 0; 1999 TG<sub>93</sub>, 4, 1, 0; 1999 TS<sub>95</sub>, 4, 1, 0; 1999 TE<sub>107</sub>, 4, 1, 0; 1999 TN<sub>107</sub>, 4, 1, 0; 1999 TG<sub>109</sub>, 4, 1, 0; 1999 TH<sub>109</sub>, 4, 1, 0; 1999 TH<sub>110</sub>, 4, 1, 0; 1999 TV<sub>110</sub>, 3, 1, 0; 1999 TN<sub>114</sub>, 3, 1, 0; 1999 TP<sub>114</sub>, 3, 1, 0; 1999 TU<sub>126</sub>, 4, 1, 0; 1999 TS<sub>143</sub>, 3, 1, 0; 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4, 1, 0; 2001 UY<sub>127</sub>, 4, 1, 0; 2001 UX<sub>133</sub>, 3, 1, 0; 2001 UQ<sub>167</sub>, 3, 1, 0; 2001 UT<sub>167</sub>, 3, 1, 0; 2001 UC<sub>168</sub>, 3, 1, 0; 2001 UZ<sub>171</sub>, 3, 1, 0; 2001 UV<sub>177</sub>, 4, 1, 0; 2001 UL<sub>187</sub>, 3, 1, 0; 2001 UW<sub>187</sub>, 3, 1, 0; 2001 UH<sub>193</sub>, 3, 1, 0; 2001 UZ<sub>205</sub>, 4, 1, 0; 2001 UW<sub>209</sub>, 4, 1, 0; 2001 UT<sub>213</sub>, 14, 4, 1483; 2001 UM<sub>218</sub>, 3, 1, 0; 2001 VA<sub>25</sub>, 4, 1, 0; 2001 VO<sub>34</sub>, 3, 1, 0; 2001 VF<sub>40</sub>, 4, 1, 0; 2001 VV<sub>56</sub>, 3, 1, 0; 2001 VJ<sub>69</sub>, 4, 1, 0; 2001 VQ<sub>69</sub>, 4, 1, 0; 2001 VK<sub>78</sub>, 4, 1, 0; 2001 VO<sub>78</sub>, 4, 1, 0; 2001 VY<sub>82</sub>, 4, 1, 0; 2001 VV<sub>89</sub>, 3, 1, 0; 2001 VX<sub>92</sub>, 4, 1, 0; 2001 VT<sub>95</sub>, 12, 3, 72; 2001 VS<sub>97</sub>, 4, 1, 0; 2001 VD<sub>101</sub>, 4, 1, 0; 2001 VX<sub>105</sub>, 4, 1, 0; 2001 VS<sub>108</sub>, 3, 1, 0; 2001 VU<sub>110</sub>, 4, 1, 0; 2001 VO<sub>117</sub>, 4, 1, 0; 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2002 QX<sub>20</sub>, 4, 1, 0; 2002 QX<sub>26</sub>, 3, 1, 0; 2002 QR<sub>32</sub>, 4, 1, 0; 2002 QY<sub>34</sub>, 8, 2, 21; 2002 QV<sub>42</sub>, 3, 1, 0; 2002 QM<sub>45</sub>, 3, 1, 0; 2002 QA<sub>50</sub>, 4, 1, 0; 2002 RH<sub>5</sub>, 8, 2, 28; 2002 RW<sub>10</sub>, 3, 1, 0; 2002 RT<sub>30</sub>, 4, 1, 0; 2002 RH<sub>32</sub>, 4, 1, 0; 2002 RP<sub>32</sub>, 4, 1, 0; 2002 RC<sub>42</sub>, 3, 1, 0; 2002 RN<sub>44</sub>, 3, 1, 0; 2002 RQ<sub>44</sub>, 3, 1, 0; 2002 RL<sub>49</sub>, 4, 1, 0; 2002 RT<sub>52</sub>, 7, 2, 497; 2002 RE<sub>56</sub>, 3, 1, 0; 2002 RD<sub>64</sub>, 3, 1, 0; 2002 RQ<sub>71</sub>, 3, 1, 0; 2002 RP<sub>81</sub>, 4, 1, 0; 2002 RM<sub>82</sub>, 6, 2, 31; 2002 RA<sub>99</sub>, 3, 1, 0; 2002 RP<sub>99</sub>, 3, 1, 0; 2002 RR<sub>100</sub>, 3, 1, 0; 2002 RF<sub>107</sub>, 3, 1, 0; 2002 RR<sub>108</sub>, 4, 1, 0; 2002 RQ<sub>109</sub>, 3, 1, 0; 2002 RV<sub>111</sub>, 3, 1, 0; 2002 RS<sub>113</sub>, 4, 1, 0; 2002 RJ<sub>119</sub>, 3, 1, 0; 2002 RM<sub>126</sub>, 6, 2, 15; 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2002 VG<sub>12</sub>, 3, 1, 0; 2002 VF<sub>17</sub>, 4, 1, 0; 2002 VE<sub>20</sub>, 4, 1, 0; 2002 VF<sub>25</sub>, 3, 1, 0; 2002 VR<sub>32</sub>, 3, 1, 0; 2002 VA<sub>33</sub>, 4, 1, 0; 2002 VX<sub>39</sub>, 3, 1, 0; 2002 VP<sub>42</sub>, 3, 1, 0; 2002 VD<sub>46</sub>, 3, 1, 0; 2002 VW<sub>49</sub>, 3, 1, 0; 2002 VW<sub>51</sub>, 3, 1, 0; 2002 VG<sub>55</sub>, 4, 1, 0; 2002 VB<sub>65</sub>, 4, 1, 0; 2002 VJ<sub>66</sub>, 4, 1, 0; 2002 VH<sub>67</sub>, 4, 1, 0; 2002 VK<sub>67</sub>, 4, 1, 0; 2002 VX<sub>70</sub>, 4, 1, 0; 2002 VZ<sub>70</sub>, 4, 1, 0; 2002 VL<sub>72</sub>, 4, 1, 0; 2002 VT<sub>76</sub>, 4, 1, 0; 2002 VX<sub>79</sub>, 3, 1, 0; 2002 VF<sub>84</sub>, 4, 1, 0; 2002 VP<sub>84</sub>, 4, 1, 0; 2002 VC<sub>85</sub>, 3, 1, 0; 2002 VH<sub>88</sub>, 4, 1, 0; 2002 VD<sub>100</sub>, 12, 3, 50; 2002 VA<sub>110</sub>, 3, 1, 0; 2002 VM<sub>122</sub>, 6, 2, 18; 2002 VF<sub>135</sub>, 4, 1, 0; 2002 WT<sub>2</sub>, 3, 1, 0; 2002 WQ<sub>5</sub>, 4, 1, 0; 2002 WV<sub>5</sub>, 4, 1, 0; 2002 WT<sub>7</sub>, 3, 1, 0; 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2003 BF<sub>25</sub>, 3, 1, 0; 2003 BQ<sub>25</sub>, 4, 1, 0; 2003 BZ<sub>26</sub>, 4, 1, 0; 2003 BV<sub>28</sub>, 4, 1, 0; 2003 BY<sub>29</sub>, 3, 1, 0; 2003 BW<sub>30</sub>, 4, 1, 0; 2003 BJ<sub>31</sub>, 7, 2, 560; 2003 BR<sub>31</sub>, 3, 1, 0; 2003 BW<sub>31</sub>, 3, 1, 0; 2003 BF<sub>33</sub>, 3, 1, 0; 2003 BH<sub>42</sub>, 4, 1, 0; 2003 BL<sub>43</sub>, 4, 1, 0; 2003 BK<sub>44</sub>, 3, 1, 0; 2003 BB<sub>48</sub>, 4, 1, 0; 2003 BZ<sub>48</sub>, 4, 1, 0; 2003 BF<sub>52</sub>, 4, 1, 0; 2003 BE<sub>53</sub>, 9, 3, 27; 2003 BC<sub>54</sub>, 3, 1, 0; 2003 BR<sub>54</sub>, 4, 1, 0; 2003 BN<sub>57</sub>, 4, 1, 0; 2003 BT<sub>57</sub>, 4, 1, 0; 2003 BZ<sub>59</sub>, 4, 1, 0; 2003 BA<sub>63</sub>, 4, 1, 0; 2003 BU<sub>63</sub>, 4, 1, 0; 2003 BW<sub>63</sub>, 3, 1, 0; 2003 BM<sub>66</sub>, 3, 1, 0; 2003 BL<sub>68</sub>, 3, 1, 0; 2003 BM<sub>68</sub>, 3, 1, 0; 2003 BH<sub>71</sub>, 3, 1, 0; 2003 BL<sub>71</sub>, 3, 1, 0; 2003 BQ<sub>72</sub>, 3, 1, 0; 2003 BH<sub>73</sub>, 8, 2, 40; 2003 BD<sub>78</sub>, 3, 1, 0; 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## 701 Junk Bond Observatory, Sierra Vista

D. Healy, Junk Bond Observatory, 6929 Madera Drive, Sierra Vista, AZ 85635,

U.S.A. [76443.1440@compuserve.com]

Observer D. Healy

0.40-m  $f/5$  Schmidt-Cassegrain + CCD

GSC-ACT

1999 JG<sub>87</sub>, 3, 1, 0; 1999 RH<sub>17</sub>, 3, 1, 0; 1999 UD<sub>45</sub>, 2, 1, 0; 2000 RC<sub>83</sub>, 2, 1, 0; 2000 WU<sub>49</sub>, 3, 1, 0; 2000 WB<sub>63</sub>, 2, 1, 0; 2001 BC<sub>75</sub>, 3, 1, 0; 2001 CO<sub>31</sub>, 5, 2, 7; 2001 FC<sub>122</sub>, 3, 1, 0; 2001 UU<sub>109</sub>, 4, 1, 0; 2001 VG<sub>23</sub>, 3, 1, 0; 2002 ED<sub>111</sub>, 3, 1, 0; 2003 KH<sub>19</sub>, 4, 2, 3; 2003 MZ<sub>1</sub> \*, 10, 3, 9; 2003 MP<sub>9</sub> \*, 17, 4, 5; (3449), 2, 1, 0; (3766), 3, 1, 0; (5965), 2, 1, 0; (11139), 3, 1, 0; (16325), 2, 1, 0; (19796), 2, 1, 0; (21198), 3, 1, 0; (25323), 3, 1, 0; (33584), 3, 1, 0; (34246), 3, 1, 0; (37826), 3, 1, 0; (39667), 3, 1, 0; (39733), 5, 1, 0; (41332), 3, 1, 0; (41815), 3, 1, 0; (62601), 4, 1, 0; [114, 31, 2\*, 1998/06/22-2003/07/07]

## 703 Catalina Sky Survey

S. M. Larson, Space Sciences Building, University of Arizona, Tucson, AZ 85721,

U.S.A. [slarson@lpl.arizona.edu]

Observers C. W. Hergenrother, R. E. Hill, R. J. Whiteley

0.41-m  $f/3$  Schmidt + CCD

USNO-SA2.0

1994 UR<sub>1</sub>, 4, 1, 0; 1995 FH<sub>19</sub>, 4, 1, 0; 1995 QU<sub>5</sub>, 4, 1, 0; 1995 UR<sub>22</sub>, 4, 1, 0; 1995 VT<sub>11</sub>, 4, 1, 0; 1996 TC<sub>7</sub>, 4, 1, 0; 1997 CF<sub>16</sub>, 4, 1, 0; 1997 WY<sub>14</sub>, 4, 1, 0; 1998 FE<sub>80</sub>, 4, 1, 0; 1998 FC<sub>123</sub>, 4, 1, 0; 1998 HH<sub>8</sub>, 4, 1, 0; 1998 HG<sub>145</sub>, 4, 1, 0; 1998 QP<sub>77</sub>, 4, 1, 0; 1998 SJ<sub>28</sub>, 4, 1, 0; 1998 VW<sub>56</sub>, 4, 1, 0; 1999 ER<sub>12</sub>, 4, 1, 0; 1999 JD<sub>25</sub>, 4, 1, 0; 1999 LT<sub>36</sub>, 4, 1, 0; 1999 NR<sub>37</sub>, 4, 1, 0; 1999 RN<sub>24</sub>, 4, 1,

0; 1999 RN<sub>85</sub>, 4, 1, 0; 1999 RP<sub>90</sub>, 4, 1, 0; 1999 RL<sub>227</sub>, 4, 1, 0; 1999 TE<sub>109</sub>, 4, 1, 0; 1999 TB<sub>185</sub>, 4, 1, 0; 1999 TK<sub>190</sub>, 4, 1, 0; 1999 TC<sub>208</sub>, 4, 1, 0; 1999 TP<sub>265</sub>, 4, 1, 0; 1999 TS<sub>312</sub>, 4, 1, 0; 1999 TT<sub>323</sub>, 4, 1, 0; 1999 XY<sub>240</sub>, 4, 1, 0; 2000 AW<sub>42</sub>, 4, 1, 0; 2000 AM<sub>40</sub>, 4, 1, 0; 2000 CT<sub>124</sub>, 4, 1, 0; 2000 CB<sub>126</sub>, 4, 1, 0; 2000 GN<sub>15</sub>, 4, 1, 0; 2000 OZ<sub>44</sub>, 4, 1, 0; 2000 SN<sub>120</sub>, 4, 1, 0; 2000 SJ<sub>123</sub>, 8, 1, 0; 2000 SM<sub>222</sub>, 4, 1, 0; 2000 TL<sub>40</sub>, 4, 1, 0; 2000 WR<sub>117</sub>, 4, 1, 0; 2001 AX<sub>34</sub>, 4, 1, 0; 2001 CJ<sub>19</sub>, 4, 1, 0; 2001 CJ<sub>30</sub>, 4, 1, 0; 2001 DC<sub>98</sub>, 4, 1, 0; 2001 FL<sub>20</sub>, 4, 1, 0; 2001 FJ<sub>179</sub>, 4, 1, 0; 2001 MM<sub>15</sub>, 4, 1, 0; 2001 QA<sub>71</sub>, 4, 1, 0; 2001 QB<sub>116</sub>, 4, 1, 0; 2001 QC<sub>148</sub>, 4, 1, 0; 2001 SQ<sub>13</sub>, 4, 1, 0; 2001 SS<sub>19</sub>, 4, 1, 0; 2001 SY<sub>291</sub>, 4, 1, 0; 2001 TD<sub>6</sub>, 4, 1, 0; 2001 TC<sub>47</sub>, 4, 1, 0; 2001 TP<sub>239</sub>, 4, 1, 0; 2001 UT<sub>72</sub>, 4, 1, 0; 2001 VH<sub>36</sub>, 4, 1, 0; 2001 VK<sub>91</sub>, 4, 1, 0; 2001 XD<sub>5</sub>, 4, 1, 0; 2001 XO<sub>29</sub>, 4, 1, 0; 2001 XL<sub>71</sub>, 4, 1, 0; 2001 YA<sub>141</sub>, 4, 1, 0; 2002 CF<sub>232</sub>, 4, 1, 0; 2002 CX<sub>253</sub>, 4, 1, 0; 2002 EX<sub>69</sub>, 4, 1, 0; 2002 EA<sub>76</sub>, 4, 1, 0; 2002 FL<sub>28</sub>, 4, 1, 0; 2002 GC<sub>147</sub>, 4, 1, 0; 2002 GK<sub>151</sub>, 4, 1, 0; 2002 GX<sub>170</sub>, 4, 1, 0; 2002 HK<sub>7</sub>, 4, 1, 0; 2002 JF<sub>2</sub>, 4, 1, 0; 2002 JD<sub>35</sub>, 4, 1, 0; 2002 JE<sub>58</sub>, 4, 1, 0; 2002 JU<sub>68</sub>, 4, 1, 0; 2002 JV<sub>100</sub>, 4, 1, 0; 2002 LL<sub>26</sub>, 4, 1, 0; 2002 LC<sub>30</sub>, 4, 1, 0; 2002 NC<sub>31</sub>, 4, 1, 0; 2002 RE<sub>28</sub>, 4, 1, 0; 2002 RH<sub>32</sub>, 4, 1, 0; 2002 RQ<sub>74</sub>, 4, 1, 0; 2002 RE<sub>127</sub>, 4, 1, 0; 2002 SF<sub>12</sub>, 4, 1, 0; 2002 SG<sub>49</sub>, 4, 1, 0; 2002 SZ<sub>53</sub>, 4, 1, 0; 2002 TY<sub>108</sub>, 4, 1, 0; 2002 TG<sub>112</sub>, 4, 1, 0; 2002 TL<sub>224</sub>, 4, 1, 0; 2002 VA<sub>39</sub>, 4, 1, 0; 2002 XP<sub>58</sub>, 4, 1, 0; 2002 YP<sub>6</sub>, 4, 1, 0; 2002 YK<sub>7</sub>, 4, 1, 0; 2003 AG<sub>4</sub>, 1, 0; 2003 AF<sub>10</sub>, 4, 1, 0; 2003 FZ<sub>41</sub>, 4, 1, 0; 2003 FT<sub>53</sub>, 4, 1, 0; 2003 FB<sub>80</sub>, 4, 1, 0; 2003 FT<sub>92</sub>, 4, 1, 0; 2003 FT<sub>94</sub>, 4, 1, 0; 2003 FO<sub>109</sub>, 4, 1, 0; 2003 FT<sub>117</sub>, 4, 1, 0; 2003 GN<sub>23</sub>, 4, 1, 0; 2003 GU<sub>28</sub>, 8, 2, 24; 2003 GE<sub>42</sub>, 4, 1, 0; 2003 GH<sub>51</sub>, 4, 1, 0; 2003 HU<sub>5</sub>, 4, 1, 0; 2003 HP<sub>8</sub>, 4, 1, 0; 2003 HX<sub>8</sub>, 4, 1, 0; 2003 HB<sub>12</sub>, 4, 1, 0; 2003 HC<sub>12</sub>, 4, 1, 0; 2003 HA<sub>22</sub>, 8, 2, 31; 2003 HC<sub>27</sub>, 4, 1, 0; 2003 HO<sub>49</sub>, 4, 1, 0; 2003 HD<sub>54</sub>, 4, 1, 0; 2003 JJ<sub>1</sub>, 4, 1, 0; 2003 JH<sub>5</sub>, 4, 1, 0; 2003 JN<sub>16</sub>, 4, 1, 0; 2003 KG<sub>4</sub>, 1, 0; 2003 KD<sub>12</sub>, 4, 1, 0; 2003 KE<sub>12</sub>, 4, 1, 0; 2003 KP<sub>13</sub>, 4, 1, 0; 2003 KT<sub>34</sub> \*, 4, 1, 0; 2003 MB<sub>1</sub>, 4, 1, 0; 2003 MG<sub>2</sub>, 4, 1, 0; 2003 MK<sub>2</sub>, 4, 1, 0; 2003 MN<sub>2</sub>, 4, 1, 0; 2003 MF<sub>5</sub>, 4, 1, 0; 2003 NO<sub>1</sub>, 8, 2, 58; 2003 NS<sub>2</sub>, 4, 1, 0; 2003 OP<sub>8</sub>, 4, 1, 0; 2003 OK<sub>10</sub>, 4, 1, 0; 2003 OD<sub>15</sub>, 4, 1, 0; 2003 OM<sub>15</sub>, 4, 1, 0; 2003 OU<sub>15</sub>, 4, 1, 0; 2003 OW<sub>20</sub>, 4, 1, 0; 2003 PT<sub>11</sub>, 4, 1, 0; 2003 QG<sub>34</sub>, 4, 1, 0; 2003 QO<sub>34</sub>, 4, 1, 0; 2003 QR<sub>40</sub>, 4, 1, 0; (3811), 3, 1, 0; (4214), 4, 1, 0; (7585), 3, 1, 0; (14167), 4, 1, 0; (56154), 2, 1, 0; (58080), 4, 1, 0; (58901), 4, 1, 0; (59458), 4, 1, 0; (59494), 4, 1, 0; (62455), 4, 1, 0; (62915), 4, 1, 0; (63009), 4, 1, 0; (63440), 2, 1, 0; (63603), 4, 1, 0; (64462), 4, 1, 0; (65036), 8, 2, 7; (65355), 4, 1, 0; (65380), 4, 1, 0; [658, 161, 1\*, 1998/06/22–2003/06/03]

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1.0-m  $f/2.15$  reflector + CCD

USNO-A2.0

1972 FE<sub>11</sub>, 3, 9; 1974 CB<sub>7</sub>, 2, 3; 1977 EA<sub>8</sub>, 11, 3, 8; 1977 RH<sub>4</sub>, 4, 1, 0; 1977 XK<sub>3</sub>, 17, 4, 511; 1978 CA<sub>9</sub>, 2, 2; 1978 NH<sub>4</sub>, 4, 1, 0; 1978 UJ<sub>4</sub>, 9, 1, 0; 1978 VA<sub>5</sub>, 1, 0; 1978 VO<sub>2</sub>, 5, 1, 0; 1978 VS<sub>3</sub>, 3, 1, 0; 1978 VF<sub>5</sub>, 3, 1, 0; 1978 VR<sub>6</sub>, 5, 1, 0; 1978 VF<sub>8</sub>, 7, 2, 1042; 1979 ME<sub>1</sub>, 18, 4, 27; 1979 MC<sub>6</sub>, 10, 2, 59; 1979 OA<sub>11</sub>, 7, 2, 54; 1980 PX<sub>2</sub>, 11, 3, 25; 1981 DJ<sub>1</sub>, 3, 1, 0; 1981 DN<sub>1</sub>, 5, 1, 0; 1981 DS<sub>2</sub>, 32, 7, 68; 1981 DY<sub>2</sub>, 25, 5, 32; 1981 DE<sub>3</sub>, 4, 1, 0; 1981 DR<sub>3</sub>, 12, 3, 27; 1981 EL<sub>9</sub>, 18, 4, 1273; 1981 EU<sub>10</sub>, 5, 1, 0; 1981 EG<sub>13</sub>, 13, 3, 8; 1981 EA<sub>14</sub>, 3, 1, 0; 1981 EJ<sub>14</sub>, 3, 1, 0; 1981 EU<sub>14</sub>, 11, 3, 32; 1981 EE<sub>17</sub>, 3, 1, 0; 1981 EA<sub>19</sub>, 18, 4, 27; 1981 EW<sub>23</sub>, 4, 1, 0; 1981 EH<sub>27</sub>, 15, 3, 11; 1981 EN<sub>28</sub>, 5, 1, 0; 1981 ET<sub>28</sub>, 4, 1, 0; 1981 EZ<sub>28</sub>, 9, 2, 5; 1981 EB<sub>30</sub>, 3, 1, 0; 1981 EE<sub>30</sub>, 4, 1, 0; 1981 EH<sub>30</sub>, 3, 1, 0; 1981 EK<sub>32</sub>, 3, 1, 0; 1981 ES<sub>32</sub>, 17, 4, 27; 1981 ET<sub>32</sub>, 17, 4, 32; 1981 EK<sub>33</sub>, 4, 1, 0; 1981 ES<sub>33</sub>, 12, 3, 23; 1981 EE<sub>34</sub>, 4, 1, 0; 1981 EP<sub>35</sub>, 26, 5, 1537; 1981 EV<sub>35</sub>, 18, 3, 10; 1981 ED<sub>41</sub>, 8, 2, 1; 1981 ER<sub>41</sub>, 4, 1, 0; 1981 EN<sub>44</sub>, 5, 1, 0; 1981 EP<sub>44</sub>, 21, 4, 27; 1981 EU<sub>46</sub>, 9, 2, 477; 1981 ER<sub>47</sub>, 10, 3, 12; 1981 ES<sub>47</sub>, 16, 4, 37; 1981 EG<sub>48</sub>, 4, 1, 0; 1981 RR<sub>1</sub>, 3, 1, 0; 1981 UJ<sub>22</sub>, 14, 3, 8; 1982 QB<sub>4</sub>, 25, 6, 977; 1982 SH<sub>1</sub>, 10, 2, 4; 1982 ST<sub>7</sub>, 13, 3, 13; 1982 TJ<sub>12</sub>, 12, 3, 14; 1982 UA<sub>6</sub>, 8, 2, 31; 1982 YM<sub>1</sub>, 4, 1, 0; 1983 QC<sub>1</sub>, 4, 1, 0; 1983 XE<sub>15</sub>, 3, 23; 1984 ST<sub>6</sub>, 18, 4, 119; 1985 PM<sub>13</sub>, 13, 3, 58; 1985 VB<sub>1</sub>, 9, 2, 29; 1986 PV<sub>6</sub>, 10, 2, 4; 1986 QD<sub>1</sub>, 30, 7, 60; 1986 QC<sub>3</sub>, 28, 6, 38; 1986 RE<sub>5</sub>, 25, 5, 37; 1986 RF<sub>5</sub>, 5, 1, 0; 1987 RU<sub>19</sub>, 4, 63; 1987 SM<sub>5</sub>, 29, 6, 38; 1988 AX<sub>1</sub>, 5, 1, 0; 1988 CJ<sub>4</sub>, 4, 1, 0; 1988 CS<sub>5</sub>, 19, 4, 37; 1988 DE<sub>3</sub>, 4, 1, 0; 1988 PE<sub>4</sub>, 4, 1, 0; 1988 QD<sub>14</sub>, 3, 33; 1988 RH<sub>4</sub>, 4, 1, 0; 1988 RJ<sub>6</sub>, 8, 2, 4; 1988 RO<sub>6</sub>, 9, 2, 4; 1988 VA<sub>1</sub>, 5, 1, 0; 1989 AG<sub>6</sub>, 13, 3, 9; 1989 CC<sub>3</sub>, 28, 6, 67; 1989 EB<sub>1</sub>, 29, 6, 69; 1989 GW<sub>5</sub>, 5, 1, 0; 1989 SU<sub>2</sub>, 12, 3, 27; 1989 TN<sub>1</sub>, 8, 2, 17; 1989 TH<sub>3</sub>, 4, 1, 0; 1989 TL<sub>18</sub>, 18, 4, 36; 1989 UQ<sub>4</sub>, 4, 1, 0; 1989 WD<sub>8</sub>, 8, 2, 3; 1989 YH<sub>8</sub>, 4, 1, 0; 1990 EU<sub>3</sub>, 3, 1, 0; 1990 EK<sub>2</sub>, 5, 1, 0; 1990 QU<sub>2</sub>, 13, 3, 28; 1990 QW<sub>5</sub>, 14, 3, 42; 1990 QY<sub>5</sub>, 8, 2, 57; 1990 RB<sub>7</sub>, 4, 1, 0; 1990 RJ<sub>7</sub>, 4, 1, 0; 1990 SN<sub>1</sub>, 27, 6, 34; 1990 SG<sub>6</sub>, 4, 1, 0; 1990 SV<sub>6</sub>, 13, 3, 14; 1990 ST<sub>7</sub>, 7, 2, 11; 1990 SB<sub>9</sub>, 3, 1, 0; 1990 ST<sub>14</sub>, 4, 1, 0; 1990 TH<sub>1</sub>, 4, 1, 0; 1990 TW<sub>11</sub>, 4, 1, 0; 1990 UQ<sub>4</sub>, 13, 3, 9; 1990 VD<sub>8</sub>, 20, 4, 57; 1990 WM<sub>4</sub>, 14, 3, 37; 1991 BQ<sub>1</sub>, 13, 3, 1477; 1991 ND<sub>4</sub>, 4, 1, 0; 1991 PU<sub>2</sub>, 3, 1, 0; 1991 PU<sub>9</sub>, 5, 1, 0; 1991 PT<sub>10</sub>, 21, 5, 37; 1991 RH<sub>3</sub>, 22, 5, 37; 1991 RJ<sub>3</sub>, 14, 3, 30; 1991 RQ<sub>3</sub>, 5, 1, 0; 1991 RO<sub>11</sub>, 19, 4, 47; 1991 RX<sub>40</sub>, 8, 2, 8; 1991 SC<sub>3</sub>, 4, 1, 0; 1991 TH<sub>3</sub>, 15, 3, 34; 1991 TW<sub>4</sub>, 5, 1, 0; 1991 TO<sub>6</sub>, 4, 1, 0; 1991 TT<sub>6</sub>, 5, 1, 0; 1991 TU<sub>6</sub>, 3, 1, 0; 1991 TK<sub>9</sub>, 9, 2, 11; 1991 TQ<sub>10</sub>, 3, 1, 0; 1991 TP<sub>15</sub>,

9, 2, 447; 1991 TP<sub>16</sub>, 4, 1, 0; 1991 VY<sub>5</sub>, 19, 4, 35; 1991 VW<sub>6</sub>, 31, 7, 1983; 1991 VS<sub>10</sub>, 4, 1, 0; 1992 BY<sub>1</sub>, 9, 2, 12; 1992 DD<sub>1</sub>, 10, 2, 3; 1992 DK<sub>7</sub>, 4, 1, 0; 1992 DT<sub>8</sub>, 15, 3, 11; 1992 EY<sub>4</sub>, 5, 1, 0; 1992 EW<sub>6</sub>, 5, 1, 0; 1992 ES<sub>8</sub>, 12, 3, 1749; 1992 EM<sub>13</sub>, 5, 1, 0; 1992 EY<sub>13</sub>, 8, 2, 37; 1992 EA<sub>14</sub>, 13, 3, 10; 1992 ED<sub>16</sub>, 14, 3, 30; 1992 EX<sub>29</sub>, 9, 2, 14; 1992 GH<sub>3</sub>, 18, 4, 611; 1992 ON<sub>12</sub>, 3, 5; 1992 PY<sub>1</sub>, 32, 7, 70; 1992 RB<sub>1</sub>, 8, 2, 8; 1992 RP<sub>1</sub>, 18, 5, 38; 1992 RT<sub>1</sub>, 18, 4, 28; 1992 RJ<sub>2</sub>, 24, 5, 1538; 1992 RR<sub>7</sub>, 8, 2, 8; 1992 SH<sub>3</sub>, 9, 2, 10; 1992 SK<sub>9</sub>, 9, 2, 8; 1992 SH<sub>17</sub>, 4, 1, 0; 1992 SJ<sub>17</sub>, 19, 4, 68; 1992 SP<sub>17</sub>, 18, 4, 27; 1992 SW<sub>18</sub>, 18, 4, 32; 1992 SW<sub>21</sub>, 3, 1, 0; 1992 UQ<sub>1</sub>, 14, 3, 26; 1992 UR<sub>2</sub>, 7, 2, 1; 1992 VR<sub>26</sub>, 6, 61; 1992 WV<sub>1</sub>, 19, 5, 37; 1993 BZ<sub>2</sub>, 7, 2, 27; 1993 FL<sub>10</sub>, 2, 976; 1993 FY<sub>6</sub>, 5, 1, 0; 1993 FJ<sub>7</sub>, 5, 1, 0; 1993 FW<sub>7</sub>, 5, 1, 0; 1993 FM<sub>9</sub>, 9, 2, 54; 1993 FG<sub>11</sub>, 3, 1, 0; 1993 FP<sub>17</sub>, 9, 2, 1; 1993 FY<sub>17</sub>, 8, 2, 508; 1993 FE<sub>19</sub>, 13, 2, 6; 1993 FN<sub>19</sub>, 4, 1, 0; 1993 FQ<sub>20</sub>, 15, 3, 10; 1993 FU<sub>20</sub>, 8, 2, 27; 1993 FF<sub>23</sub>, 8, 2, 11; 1993 FE<sub>28</sub>, 3, 1, 0; 1993 FV<sub>28</sub>, 17, 4, 27; 1993 FJ<sub>30</sub>, 13, 2, 7; 1993 FP<sub>33</sub>, 4, 1, 0; 1993 FH<sub>34</sub>, 4, 1, 0; 1993 FY<sub>35</sub>, 5, 1, 0; 1993 FJ<sub>38</sub>, 10, 3, 977; 1993 FK<sub>40</sub>, 7, 2, 9; 1993 FX<sub>41</sub>, 12, 3, 10; 1993 FZ<sub>41</sub>, 14, 3, 9; 1993 FF<sub>43</sub>, 5, 1, 0; 1993 FO<sub>45</sub>, 4, 1, 0; 1993 FU<sub>45</sub>, 9, 2, 1388; 1993 FL<sub>46</sub>, 3, 1, 0; 1993 FV<sub>46</sub>, 15, 3, 1353; 1993 FM<sub>47</sub>, 4, 1, 0; 1993 FU<sub>47</sub>, 3, 1, 0; 1993 FU<sub>49</sub>, 8, 2, 9; 1993 FP<sub>50</sub>, 3, 1, 0; 1993 FB<sub>52</sub>, 5, 1, 0; 1993 FE<sub>58</sub>, 4, 1, 0; 1993 FL<sub>60</sub>, 6, 2, 30; 1993 FR<sub>62</sub>, 7, 2, 29; 1993 FY<sub>70</sub>, 16, 4, 58; 1993 FD<sub>84</sub>, 9, 2, 6; 1993 GH<sub>1</sub>, 3, 1, 0; 1993 HA<sub>3</sub>, 4, 1, 0; 1993 FJ<sub>6</sub>, 4, 1, 0; 1993 KC<sub>29</sub>, 6, 73; 1993 LE<sub>1</sub>, 5, 1, 0; 1993 LJ<sub>1</sub>, 8, 2, 9; 1993 LP<sub>1</sub>, 7, 2, 1003; 1993 OJ<sub>10</sub>, 5, 1, 0; 1993 PC<sub>8</sub>, 8, 2, 8; 1993 PP<sub>2</sub>, 5, 1, 0; 1993 PU<sub>4</sub>, 12, 3, 28; 1993 PS<sub>15</sub>, 17, 4, 35; 1993 PE<sub>7</sub>, 11, 3, 444; 1993 QY<sub>3</sub>, 20, 4, 28; 1993 QY<sub>7</sub>, 27, 7, 65; 1993 RJ<sub>1</sub>, 4, 1, 0; 1993 RM<sub>1</sub>, 8, 2, 445; 1993 RP<sub>2</sub>, 4, 1, 0; 1993 RH<sub>4</sub>, 4, 1, 0; 1993 RT<sub>4</sub>, 7, 2, 31; 1993 RU<sub>5</sub>, 7, 2, 3; 1993 RE<sub>7</sub>, 13, 3, 8; 1993 RE<sub>9</sub>, 16, 4, 34; 1993 SJ<sub>16</sub>, 4, 12; 1993 SG<sub>13</sub>, 4, 1, 0; 1993 TX<sub>5</sub>, 3, 1, 0; 1993 TM<sub>6</sub>, 17, 4, 10; 1993 TS<sub>7</sub>, 4, 1, 0; 1993 TO<sub>10</sub>, 7, 1, 0; 1993 TD<sub>11</sub>, 3, 1, 0; 1993 TF<sub>11</sub>, 18, 4, 9; 1993 TB<sub>14</sub>, 3, 1, 0; 1993 TT<sub>14</sub>, 5, 1, 0; 1993 TU<sub>14</sub>, 13, 3, 979; 1993 TF<sub>16</sub>, 8, 2, 51; 1993 TD<sub>18</sub>, 5, 1, 0; 1993 TP<sub>18</sub>, 4, 1, 0; 1993 TY<sub>18</sub>, 19, 5, 67; 1993 TE<sub>19</sub>, 4, 1, 0; 1993 TT<sub>19</sub>, 8, 2, 9; 1993 TY<sub>19</sub>, 4, 1, 0; 1993 TV<sub>20</sub>, 5, 1, 0; 1993 TS<sub>22</sub>, 3, 1, 0; 1993 TR<sub>23</sub>, 14, 3, 9; 1993 TS<sub>23</sub>, 3, 1, 0; 1993 TB<sub>27</sub>, 6, 2, 35; 1993 TO<sub>29</sub>, 7, 2, 9; 1993 TY<sub>30</sub>, 8, 2, 30; 1993 TE<sub>31</sub>, 8, 2, 11; 1993 TT<sub>31</sub>, 24, 5, 37; 1993 TV<sub>32</sub>, 5, 1, 0; 1993 TE<sub>33</sub>, 5, 1, 0; 1993 TX<sub>34</sub>, 4, 1, 0; 1993 TA<sub>38</sub>, 3, 1, 0; 1993 TE<sub>38</sub>, 3, 1, 0; 1993 TT<sub>38</sub>, 26, 6, 58; 1993 TM<sub>41</sub>, 4, 1, 0; 1993 TN<sub>46</sub>, 4, 1, 0; 1993 UH<sub>5</sub>, 1, 0; 1993 UV<sub>2</sub>, 5, 1, 0; 1993 UB<sub>9</sub>, 9, 2, 7; 1993 UH<sub>7</sub>, 5, 1, 0; 1993 UH<sub>8</sub>, 8, 2, 9; 1993 UH<sub>8</sub>, 3, 1, 0; 1993 YP<sub>9</sub>, 2, 30; 1993 YT<sub>4</sub>, 4, 1, 0; 1994 AC<sub>7</sub>, 5, 1, 0; 1994 AC<sub>9</sub>, 4, 1, 0; 1994 AEG<sub>19</sub>, 4, 11; 1994 AX<sub>10</sub>, 3, 1, 0; 1994 AJ<sub>12</sub>, 3, 1, 0; 1994 AH<sub>14</sub>, 3, 1, 0; 1994 AB<sub>17</sub>, 8, 2, 53; 1994 BL<sub>2</sub>, 17, 4, 11; 1994 BM<sub>2</sub>, 15, 4, 28; 1994 CC<sub>2</sub>, 19, 3, 5; 1994 CZ<sub>2</sub>, 3, 1, 0; 1994 CX<sub>5</sub>, 5, 1, 0; 1994 CH<sub>10</sub>, 9, 2, 6; 1994 CY<sub>10</sub>, 14, 3, 54; 1994 CW<sub>13</sub>, 8, 2, 1478; 1994 CD<sub>14</sub>, 3, 1, 0; 1994 CA<sub>17</sub>, 4, 1, 0; 1994 CN<sub>17</sub>, 5, 1, 0; 1994 CZ<sub>17</sub>, 4, 1, 0; 1994 CP<sub>18</sub>, 11, 3, 34; 1994 EW<sub>3</sub>, 22, 5, 37; 1994 EN<sub>4</sub>, 13, 3, 26; 1994 EO<sub>4</sub>, 29, 7, 31; 1994 FU<sub>9</sub>, 9, 2, 4; 1994 FV<sub>19</sub>, 19, 4, 36; 1994 JA<sub>2</sub>, 10, 2, 10; 1994 JU<sub>2</sub>, 3, 1, 0; 1994 JH<sub>3</sub>, 5, 1, 0; 1994 LN<sub>10</sub>, 10, 1, 0; 1994 PG<sub>3</sub>, 18, 3, 35; 1994 PA<sub>4</sub>, 15, 3, 28; 1994 PN<sub>6</sub>, 4, 1, 0; 1994 PC<sub>9</sub>, 4, 1, 0; 1994 PA<sub>10</sub>, 4, 1, 0; 1994 PH<sub>10</sub>, 5, 1, 0; 1994 PJ<sub>12</sub>, 4, 1, 0; 1994 PE<sub>14</sub>, 3, 1, 0; 1994 PP<sub>14</sub>, 3, 1, 0; 1994 PD<sub>21</sub>, 23, 5, 61; 1994 PY<sub>31</sub>, 3, 1, 0; 1994 PZ<sub>32</sub>, 11, 3, 29; 1994 QF<sub>40</sub>, 9, 1419; 1994 RA<sub>7</sub>, 7, 2, 27; 1994 RG<sub>13</sub>, 13, 3, 26; 1994 RC<sub>10</sub>, 12, 3, 1464; 1994 RF<sub>11</sub>, 8, 2, 6; 1994 RH<sub>16</sub>, 14, 3, 28; 1994 SR<sub>7</sub>, 4, 1, 0; 1994 SF<sub>11</sub>, 14, 3, 10; 1994 SK<sub>13</sub>, 5, 1, 0; 1994 TL<sub>7</sub>, 7, 2, 1473; 1994 TA<sub>1</sub>, 5, 1, 0; 1994 TW<sub>8</sub>, 4, 1, 0; 1994 TH<sub>15</sub>, 19, 4, 63; 1994 TL<sub>16</sub>, 9, 2, 29; 1994 UR<sub>1</sub>, 14, 4, 1446; 1994 UM<sub>5</sub>, 5, 1, 0; 1994 UA<sub>6</sub>, 10, 2, 1; 1994 VG<sub>1</sub>, 17, 4, 29; 1994 VP<sub>2</sub>, 3, 1, 0; 1994 VH<sub>4</sub>, 5, 1, 0; 1994 WY<sub>4</sub>, 4, 1, 0; 1994 WG<sub>1</sub>, 19, 4, 35; 1994 WR<sub>1</sub>, 10, 3, 13; 1994 WX<sub>2</sub>, 23, 5, 1370; 1994 WJ<sub>3</sub>, 4, 1, 0; 1994 WB<sub>6</sub>, 5, 1, 0; 1994 WA<sub>8</sub>, 4, 1, 0; 1994 WJ<sub>8</sub>, 3, 1, 0; 1995 AU<sub>3</sub>, 1, 0; 1995 BQ<sub>1</sub>, 4, 1, 0; 1995 BQ<sub>8</sub>, 4, 1, 0; 1995 BU<sub>9</sub>, 3, 1, 0; 1995 BS<sub>10</sub>, 4, 1, 0; 1995 BZ<sub>11</sub>, 14, 3, 28; 1995 BM<sub>12</sub>, 3, 1, 0; 1995 BK<sub>13</sub>, 14, 3, 11; 1995 BB<sub>15</sub>, 4, 1, 0; 1995 CL<sub>2</sub>, 13, 3, 10; 1995 CY<sub>4</sub>, 4, 1, 0; 1995 DL<sub>5</sub>, 4, 1, 0; 1995 DH<sub>6</sub>, 11, 3, 10; 1995 DL<sub>6</sub>, 4, 1, 0; 1995 DR<sub>6</sub>, 13, 3, 24; 1995 DN<sub>7</sub>, 4, 1, 0; 1995 DR<sub>9</sub>, 8, 2, 453; 1995 EN<sub>8</sub>, 12, 3, 31; 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1, 0; 1995 YT<sub>2</sub>, 10, 3, 11; 1995 YO<sub>7</sub>, 4, 1, 0; 1995 YX<sub>7</sub>, 5, 1, 0; 1995 YB<sub>10</sub>, 15, 3, 60; 1995 YU<sub>10</sub>, 3, 1, 0; 1995 YG<sub>17</sub>, 5, 1, 0; 1995 YH<sub>21</sub>, 3, 1, 0; 1995 YH<sub>25</sub>, 9, 2, 18; 1996 AA<sub>6</sub>, 5, 1, 0; 1996 AG<sub>6</sub>, 11, 3, 9; 1996 AJ<sub>7</sub>, 7, 2, 5; 1996 AG<sub>10</sub>, 3, 1, 0; 1996 AT<sub>12</sub>, 12, 3, 11; 1996 AE<sub>13</sub>, 4, 1, 0; 1996 BC<sub>3</sub>, 1, 0; 1996 BA<sub>3</sub>, 3, 1, 0; 1996 BW<sub>8</sub>, 22, 5, 32; 1996 CX<sub>5</sub>, 5, 1, 0; 1996 DX<sub>2</sub>, 4, 1, 0; 1996 ED<sub>7</sub>, 4, 1, 0; 1996 EB<sub>8</sub>, 4, 1, 0; 1996 EE<sub>8</sub>, 11, 3, 9; 1996 FJ<sub>7</sub>, 5, 1, 0; 1996 GP<sub>7</sub>, 3, 1, 0; 1996 GB<sub>8</sub>, 7, 2, 1009; 1996 GN<sub>8</sub>, 3, 1, 0; 1996 GX<sub>15</sub>, 4, 1, 0; 1996 GD<sub>19</sub>, 3, 1, 0; 1996 HA<sub>5</sub>, 4, 1, 0; 1996 HT<sub>6</sub>, 18, 4, 31; 1996 HB<sub>7</sub>, 5, 1, 0; 1996 HO<sub>14</sub>, 10, 2, 55; 1996 HC<sub>18</sub>, 4, 1, 0; 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1996 TT<sub>5</sub>, 10, 2, 30; 1996 TH<sub>8</sub>, 5, 1, 0; 1996 TV<sub>8</sub>, 4, 1, 0; 1996 TG<sub>11</sub>, 3, 1, 0; 1996 TB<sub>18</sub>, 12, 3, 32; 1996 TW<sub>28</sub>, 25, 6, 28; 1996 TK<sub>30</sub>, 4, 1, 0; 1996 TC<sub>33</sub>, 28, 6, 69; 1996 TO<sub>33</sub>, 15, 2, 6; 1996 TB<sub>35</sub>, 3, 1, 0; 1996 TA<sub>36</sub>, 24, 6, 37; 1996 TP<sub>36</sub>, 4, 1, 0; 1996 TZ<sub>36</sub>, 5, 1, 0; 1996 TP<sub>39</sub>, 8, 2, 12; 1996 TE<sub>40</sub>, 6, 2, 30; 1996 TR<sub>40</sub>, 11, 3, 28; 1996 TE<sub>44</sub>, 3, 1, 0; 1996 UJ<sub>11</sub>, 11, 3, 8; 1996 UC<sub>3</sub>, 10, 2, 21; 1996 VZ<sub>1</sub>, 18, 4, 9; 1996 VV<sub>4</sub>, 4, 1, 0; 1996 VO<sub>5</sub>, 17, 4, 28; 1996 VR<sub>5</sub>, 17, 4, 11; 1996 VO<sub>10</sub>, 10, 3, 29; 1996 VJ<sub>11</sub>, 36, 8, 69; 1996 VA<sub>14</sub>, 15, 3, 9; 1996 VF<sub>19</sub>, 4, 1, 0; 1996 VF<sub>27</sub>, 4, 1, 0; 1996 VA<sub>28</sub>, 8, 2, 23; 1996 VG<sub>32</sub>, 16, 4, 1338; 1996 VY<sub>33</sub>, 3, 1, 0; 1996 VZ<sub>37</sub>, 3, 1, 0; 1996 WJ<sub>6</sub>, 2, 470; 1996 WR<sub>9</sub>, 2, 3; 1996 WB<sub>1</sub>, 4, 1, 0; 1996 WS<sub>2</sub>, 25, 6, 38; 1996 XH<sub>9</sub>, 2, 11; 1996 XO<sub>1</sub>, 5, 1, 0; 1996 XA<sub>3</sub>, 7, 2, 10; 1996 XQ<sub>4</sub>, 7, 2, 31; 1996 XN<sub>5</sub>, 16, 4, 31; 1996 XE<sub>6</sub>, 10, 2, 32; 1996 XK<sub>7</sub>, 18, 4, 25; 1996 XE<sub>9</sub>, 4, 1, 0; 1996 XT<sub>10</sub>, 13, 3, 9; 1996 XJ<sub>11</sub>, 21, 5, 31; 1996 XL<sub>12</sub>, 5, 1, 0; 1996 XS<sub>15</sub>, 5, 1, 0; 1996 XX<sub>16</sub>, 4, 1, 0; 1996 XB<sub>17</sub>, 8, 2, 25; 1996 XX<sub>20</sub>, 4, 1, 0; 1996 XD<sub>24</sub>, 4, 1, 0; 1996 XW<sub>27</sub>, 9, 2, 12; 1996 XV<sub>28</sub>, 20, 5, 62; 1996 XL<sub>30</sub>, 5, 1, 0; 1996 XA<sub>31</sub>, 8, 2, 6; 1996 YH<sub>6</sub>, 5, 2, 32; 1997 AM<sub>1</sub>, 12, 3, 9; 1997 AZ<sub>2</sub>, 10, 2, 4; 1997 AA<sub>4</sub>, 24, 5, 29; 1997 AB<sub>4</sub>, 3, 1, 0; 1997 AE<sub>5</sub>, 5, 1, 0; 1997 AZ<sub>5</sub>, 3, 1, 0; 1997 AL<sub>6</sub>, 4, 1, 0; 1997 AD<sub>9</sub>, 18, 4, 28; 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1998 BV<sub>21</sub>, 37, 8, 128; 1998 BM<sub>22</sub>, 3, 1, 0; 1998 BS<sub>22</sub>, 4, 1, 0; 1998 BL<sub>23</sub>, 22, 5, 29; 1998 BQ<sub>24</sub>, 15, 4, 37; 1998 BT<sub>24</sub>, 11, 3, 4; 1998 BJ<sub>25</sub>, 3, 1, 0; 1998 BV<sub>25</sub>, 3, 1, 0; 1998 BY<sub>33</sub>, 6, 2, 57; 1998 BR<sub>35</sub>, 10, 2, 6; 1998 BF<sub>45</sub>, 3, 1, 0; 1998 BO<sub>48</sub>, 15, 3, 11; 1998 CP<sub>9</sub>, 2, 12; 1998 CW<sub>1</sub>, 13, 3, 37; 1998 CE<sub>5</sub>, 4, 1, 0; 1998 DB<sub>1</sub>, 4, 1, 0; 1998 DY<sub>1</sub>, 8, 2, 23; 1998 DC<sub>2</sub>, 5, 1, 0; 1998 DD<sub>7</sub>, 22, 5, 37; 1998 DR<sub>7</sub>, 14, 3, 9; 1998 DC<sub>9</sub>, 5, 1, 0; 1998 DO<sub>11</sub>, 5, 1, 0; 1998 DC<sub>12</sub>, 4, 1, 0; 1998 DG<sub>12</sub>, 18, 4, 35; 1998 DQ<sub>12</sub>, 3, 1, 0; 1998 DE<sub>15</sub>, 4, 1, 0; 1998 DV<sub>15</sub>, 21, 5, 40; 1998 DM<sub>16</sub>, 17, 4, 29; 1998 DR<sub>17</sub>, 4, 1, 0; 1998 DW<sub>17</sub>, 17, 4, 37; 1998 DT<sub>22</sub>, 22, 5, 37;

1998 DS<sub>25</sub>, 14, 3, 33; 1998 DN<sub>31</sub>, 5, 1, 0; 1998 DL<sub>35</sub>, 8, 2, 21; 1998 ES<sub>4</sub>, 4, 1, 0; 1998 EZ<sub>1</sub>, 14, 3, 8; 1998 EH<sub>2</sub>, 4, 1, 0; 1998 ES<sub>5</sub>, 21, 5, 37; 1998 EZ<sub>5</sub>, 5, 1, 0; 1998 EM<sub>7</sub>, 4, 1, 0; 1998 EL<sub>8</sub>, 25, 4, 1093; 1998 EH<sub>9</sub>, 29, 6, 49; 1998 EY<sub>10</sub>, 5, 1, 0; 1998 EL<sub>11</sub>, 4, 1, 0; 1998 EX<sub>11</sub>, 13, 3, 33; 1998 EM<sub>13</sub>, 3, 1, 0; 1998 EC<sub>14</sub>, 3, 1, 0; 1998 EO<sub>14</sub>, 5, 1, 0; 1998 EZ<sub>19</sub>, 14, 3, 9; 1998 EY<sub>20</sub>, 4, 1, 0; 1998 EN<sub>21</sub>, 12, 3, 8; 1998 FR<sub>4</sub>, 1, 0; 1998 FP<sub>2</sub>, 13, 3, 28; 1998 FX<sub>4</sub>, 6, 2, 7; 1998 FG<sub>9</sub>, 13, 3, 459; 1998 FH<sub>10</sub>, 5, 1, 0; 1998 FK<sub>11</sub>, 4, 1, 0; 1998 FE<sub>14</sub>, 4, 1, 0; 1998 FT<sub>14</sub>, 5, 1, 0; 1998 FQ<sub>15</sub>, 10, 2, 4; 1998 FD<sub>16</sub>, 3, 1, 0; 1998 FL<sub>18</sub>, 8, 2, 10; 1998 FR<sub>21</sub>, 3, 1, 0; 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1998 FU<sub>119</sub>, 5, 1, 0; 1998 FW<sub>119</sub>, 8, 2, 3; 1998 FA<sub>122</sub>, 4, 1, 0; 1998 FE<sub>122</sub>, 8, 1, 0; 1998 FF<sub>122</sub>, 18, 4, 27; 1998 FS<sub>122</sub>, 4, 1, 0; 1998 FV<sub>122</sub>, 4, 1, 0; 1998 FC<sub>123</sub>, 9, 2, 5; 1998 FD<sub>123</sub>, 13, 3, 59; 1998 FP<sub>126</sub>, 6, 2, 392; 1998 FW<sub>126</sub>, 5, 1, 0; 1998 FG<sub>127</sub>, 4, 1, 0; 1998 FT<sub>131</sub>, 12, 3, 31; 1998 FU<sub>132</sub>, 5, 1, 0; 1998 FK<sub>136</sub>, 16, 4, 27; 1998 FG<sub>140</sub>, 12, 3, 527; 1998 FS<sub>140</sub>, 8, 2, 8; 1998 FA<sub>146</sub>, 15, 2, 6; 1998 FV<sub>146</sub>, 5, 1, 0; 1998 FO<sub>147</sub>, 16, 4, 37; 1998 GJ<sub>9</sub>, 2, 5; 1998 GN<sub>3</sub>, 4, 1, 0; 1998 GY<sub>3</sub>, 5, 1, 0; 1998 GF<sub>7</sub>, 3, 1, 0; 1998 GM<sub>7</sub>, 5, 1, 0; 1998 GU<sub>7</sub>, 8, 2, 29; 1998 GX<sub>7</sub>, 10, 2, 8; 1998 GX<sub>8</sub>, 12, 3, 33; 1998 HR<sub>3</sub>, 3, 1, 0; 1998 HC<sub>1</sub>, 9, 2, 30; 1998 HU<sub>1</sub>, 9, 2, 32; 1998 HU<sub>2</sub>, 13, 3, 8; 1998 HP<sub>3</sub>, 10, 2, 8; 1998 HC<sub>5</sub>, 14, 3, 33; 1998 HR<sub>7</sub>, 24, 5, 77; 1998 HT<sub>7</sub>, 4, 1, 0; 1998 HQ<sub>9</sub>, 3, 1, 0; 1998 HS<sub>10</sub>, 3, 1, 0; 1998 HC<sub>14</sub>, 14, 2, 6; 1998 HF<sub>14</sub>, 5, 1, 0; 1998 HA<sub>15</sub>, 8, 2, 9; 1998 HG<sub>15</sub>, 3, 1, 0; 1998 HR<sub>15</sub>, 3, 1, 0; 1998 HC<sub>16</sub>, 5, 1, 0; 1998 HV<sub>17</sub>, 10, 2, 5; 1998 HL<sub>19</sub>, 4, 1, 0; 1998 HN<sub>19</sub>, 8, 2, 5; 1998 HO<sub>20</sub>, 4, 1, 0; 1998 HA<sub>22</sub>, 9, 2, 7; 1998 HB<sub>22</sub>, 5, 1, 0; 1998 HL<sub>23</sub>, 4, 1, 0; 1998 HC<sub>24</sub>, 5, 1, 0; 1998 HK<sub>24</sub>, 5, 1, 0; 1998 HY<sub>26</sub>, 4, 1, 0; 1998 HJ<sub>28</sub>, 13, 3, 37; 1998 HL<sub>30</sub>, 4, 1, 0; 1998 HX<sub>33</sub>, 4, 1, 0; 1998 HQ<sub>35</sub>, 10, 2, 4; 1998 HA<sub>38</sub>, 5, 1, 0; 1998 HZ<sub>38</sub>, 9, 2, 33; 1998 HP<sub>39</sub>, 5, 1, 0; 1998 HB<sub>42</sub>, 21, 4, 10; 1998 HF<sub>44</sub>, 8, 2, 1008; 1998 HS<sub>45</sub>, 4, 1, 0; 1998 HV<sub>46</sub>, 8, 2, 5; 1998 HD<sub>48</sub>, 9, 3, 8; 1998 HF<sub>49</sub>, 7, 2, 14; 1998 HF<sub>51</sub>, 14, 4, 32; 1998 HW<sub>54</sub>, 3, 1, 0; 199

1998 QZ<sub>19</sub>, 4, 1, 0; 1998 QA<sub>20</sub>, 5, 1, 0; 1998 QO<sub>20</sub>, 3, 1, 0; 1998 QP<sub>20</sub>, 9, 2, 4; 1998 QQ<sub>21</sub>, 3, 1, 0; 1998 QM<sub>23</sub>, 9, 2, 18; 1998 QC<sub>24</sub>, 29, 6, 66; 1998 QF<sub>24</sub>, 4, 1, 0; 1998 QM<sub>24</sub>, 9, 2, 9; 1998 QW<sub>24</sub>, 24, 5, 37; 1998 QB<sub>25</sub>, 4, 1, 0; 1998 QW<sub>25</sub>, 24, 5, 37; 1998 QN<sub>26</sub>, 4, 1, 0; 1998 QT<sub>26</sub>, 5, 1, 0; 1998 QK<sub>27</sub>, 5, 1, 0; 1998 QX<sub>27</sub>, 9, 3, 33; 1998 QZ<sub>27</sub>, 8, 2, 30; 1998 QT<sub>28</sub>, 4, 1, 0; 1998 QA<sub>30</sub>, 10, 2, 6; 1998 QC<sub>30</sub>, 10, 2, 19; 1998 QA<sub>31</sub>, 12, 3, 39; 1998 QE<sub>31</sub>, 21, 5, 37; 1998 QT<sub>32</sub>, 12, 3, 12; 1998 QZ<sub>34</sub>, 27, 6, 68; 1998 QY<sub>35</sub>, 19, 4, 35; 1998 QY<sub>36</sub>, 3, 1, 0; 1998 QD<sub>37</sub>, 14, 3, 537; 1998 QN<sub>41</sub>, 19, 4, 11; 1998 QU<sub>42</sub>, 22, 5, 37; 1998 QS<sub>43</sub>, 5, 1, 0; 1998 QX<sub>43</sub>, 3, 1, 0; 1998 QZ<sub>45</sub>, 15, 3, 23; 1998 QK<sub>46</sub>, 10, 2, 2; 1998 QP<sub>46</sub>, 23, 5, 28; 1998 QK<sub>48</sub>, 23, 5, 32; 1998 QQ<sub>48</sub>, 4, 1, 0; 1998 QH<sub>49</sub>, 25, 6, 36; 1998 QJ<sub>49</sub>, 5, 1, 0; 1998 QM<sub>49</sub>, 13, 3, 33; 1998 QJ<sub>50</sub>, 5, 1, 0; 1998 QU<sub>51</sub>, 14, 3, 30; 1998 QM<sub>53</sub>, 21, 5, 11; 1998 QG<sub>55</sub>, 4, 1, 0; 1998 QL<sub>55</sub>, 15, 3, 31; 1998 QC<sub>56</sub>, 4, 1, 0; 1998 QF<sub>60</sub>, 4, 1, 0; 1998 QQ<sub>60</sub>, 8, 2, 8; 1998 QC<sub>61</sub>, 9, 2, 20; 1998 QG<sub>62</sub>, 5, 1, 0; 1998 QF<sub>64</sub>, 5, 1, 0; 1998 QY<sub>64</sub>, 19, 4, 47; 1998 QC<sub>67</sub>, 4, 1, 0; 1998 QK<sub>68</sub>, 20, 4, 30; 1998 QV<sub>69</sub>, 29, 6, 59; 1998 QY<sub>69</sub>, 20, 5, 32; 1998 QA<sub>70</sub>, 12, 3, 28; 1998 QY<sub>70</sub>, 14, 3, 23; 1998 QY<sub>73</sub>, 5, 1, 0; 1998 QZ<sub>73</sub>, 15, 3, 29; 1998 QA<sub>74</sub>, 7, 2, 28; 1998 QD<sub>74</sub>, 11, 3, 34; 1998 QM<sub>74</sub>, 15, 4, 54; 1998 QN<sub>74</sub>, 7, 2, 22; 1998 QS<sub>74</sub>, 18, 4, 6; 1998 QL<sub>75</sub>, 13, 3, 32; 1998 QQ<sub>75</sub>, 10, 2, 33; 1998 QS<sub>77</sub>, 4, 1, 0; 1998 QZ<sub>77</sub>, 13, 3, 39; 1998 QA<sub>78</sub>, 16, 4, 32; 1998 QT<sub>82</sub>, 5, 1, 0; 1998 QU<sub>82</sub>, 17, 4, 32; 1998 QO<sub>83</sub>, 4, 1, 0; 1998 QW<sub>83</sub>, 19, 4, 29; 1998 QC<sub>84</sub>, 7, 2, 7; 1998 QE<sub>84</sub>, 9, 2, 7; 1998 QJ<sub>84</sub>, 20, 4, 58; 1998 QT<sub>84</sub>, 3, 1, 0; 1998 QA<sub>85</sub>, 19, 4, 95; 1998 QJ<sub>85</sub>, 9, 2, 35; 1998 QL<sub>85</sub>, 7, 2, 2; 1998 QM<sub>85</sub>, 3, 1, 0; 1998 QO<sub>85</sub>, 4, 1, 0; 1998 QT<sub>85</sub>, 5, 1, 0; 1998 QU<sub>85</sub>, 30, 7, 61; 1998 QA<sub>86</sub>, 7, 2, 30; 1998 QB<sub>86</sub>, 24, 6, 67; 1998 QR<sub>86</sub>, 13, 3, 14; 1998 QB<sub>87</sub>, 12, 3, 54; 1998 QC<sub>87</sub>, 12, 3, 35; 1998 QJ<sub>87</sub>, 5, 1, 0; 1998 QM<sub>87</sub>, 5, 1, 0; 1998 QN<sub>87</sub>, 20, 4, 37; 1998 QR<sub>87</sub>, 13, 2, 1; 1998 QG<sub>88</sub>, 4, 1, 0; 1998 QM<sub>88</sub>, 9, 2, 9; 1998 QR<sub>88</sub>, 3, 1, 0; 1998 QY<sub>88</sub>, 13, 3, 35; 1998 QQ<sub>89</sub>, 4, 1, 0; 1998 QH<sub>90</sub>, 3, 1, 0; 1998 QJ<sub>90</sub>, 8, 2, 34; 1998 QM<sub>95</sub>, 8, 2, 28; 1998 QU<sub>95</sub>, 8, 2, 34; 1998 QP<sub>96</sub>, 23, 6, 69; 1998 QS<sub>96</sub>, 3, 1, 0; 1998 QV<sub>96</sub>, 8, 2, 8; 1998 QQ<sub>97</sub>, 6, 2, 25; 1998 QL<sub>98</sub>, 4, 1, 0; 1998 QZ<sub>100</sub>, 5, 1, 0; 1998 QB<sub>103</sub>, 11, 3, 28; 1998 QD<sub>103</sub>, 4, 1, 0; 1998 QM<sub>104</sub>, 5, 1, 0; 1998 QN<sub>104</sub>, 5, 1, 0; 1998 QM<sub>105</sub>, 4, 1, 0; 1998 QP<sub>110</sub>, 13, 3, 54; 1998 RF<sub>1</sub>, 8, 2, 34; 1998 RG<sub>1</sub>, 12, 3, 57; 1998 RO<sub>1</sub>, 14, 3, 11; 1998 RU<sub>2</sub>, 3, 1, 0; 1998 RP<sub>4</sub>, 5, 1, 0; 1998 RW<sub>4</sub>, 27, 7, 38; 1998 RV<sub>5</sub>, 5, 1, 0; 1998 RF<sub>6</sub>, 7, 2, 3; 1998 RS<sub>6</sub>, 4, 1, 0; 1998 RU<sub>11</sub>, 17, 4, 7; 1998 RB<sub>13</sub>, 14, 3, 33; 1998 RD<sub>13</sub>, 7, 2, 35; 1998 RS<sub>14</sub>, 5, 1, 0; 1998 RD<sub>16</sub>, 3, 1, 0; 1998 RE<sub>18</sub>, 4, 1, 0; 1998 RU<sub>18</sub>, 4, 1, 0; 1998 RM<sub>19</sub>, 9, 2, 8; 1998 RY<sub>19</sub>, 7, 2, 34; 1998 RF<sub>20</sub>, 18, 4, 31; 1998 RL<sub>20</sub>, 10, 2, 9; 1998 RS<sub>21</sub>, 4, 1, 0; 1998 RV<sub>22</sub>, 8, 2, 11; 1998 RF<sub>23</sub>, 8, 2, 11; 1998 RK<sub>23</sub>, 3, 1, 0; 1998 RZ<sub>23</sub>, 12, 3, 531; 1998 RB<sub>25</sub>, 7, 2, 3; 1998 RR<sub>25</sub>, 10, 2, 1481; 1998 RF<sub>26</sub>, 4, 1, 0; 1998 RG<sub>26</sub>, 15, 3, 24; 1998 RK<sub>27</sub>, 8, 2, 64; 1998 RX<sub>28</sub>, 4, 1, 0; 1998 RP<sub>30</sub>, 4, 1, 0; 1998 RB<sub>32</sub>, 5, 1, 0; 1998 RR<sub>32</sub>, 11, 3, 530; 1998 RH<sub>34</sub>, 3, 1, 0; 1998 RE<sub>35</sub>, 12, 3, 55; 1998 RG<sub>41</sub>, 5, 1, 0; 1998 RS<sub>41</sub>, 14, 3, 34; 1998 RF<sub>42</sub>, 3, 1, 0; 1998 RK<sub>42</sub>, 11, 3, 31; 1998 RN<sub>42</sub>, 5, 1, 0; 1998 RS<sub>42</sub>, 4, 1, 0; 1998 RA<sub>43</sub>, 5, 1, 0; 1998 RX<sub>43</sub>, 4, 1, 0; 1998 RS<sub>44</sub>, 8, 2, 77; 1998 RQ<sub>45</sub>, 4, 1, 0; 1998 RP<sub>46</sub>, 4, 1, 0; 1998 RU<sub>46</sub>, 14, 4, 68; 1998 RV<sub>47</sub>, 8, 2, 11; 1998 RA<sub>48</sub>, 3, 1, 0; 1998 RM<sub>48</sub>, 14, 3, 8; 1998 RS<sub>48</sub>, 22, 5, 29; 1998 RW<sub>48</sub>, 9, 2, 26; 1998 RE<sub>49</sub>, 4, 1, 0; 1998 RB<sub>50</sub>, 5, 1, 0; 1998 RJ<sub>50</sub>, 15, 3, 31; 1998 RO<sub>50</sub>, 10, 2, 986; 1998 RZ<sub>50</sub>, 6, 2, 34; 1998 RA<sub>51</sub>, 3, 1, 0; 1998 RT<sub>51</sub>, 14, 3, 34; 1998 RD<sub>52</sub>, 5, 1, 0; 1998 RE<sub>53</sub>, 7, 2, 3; 1998 RH<sub>53</sub>, 17, 4, 27; 1998 RL<sub>53</sub>, 15, 4, 37; 1998 RW<sub>53</sub>, 8, 2, 31; 1998 RA<sub>54</sub>, 8, 2, 32; 1998 RN<sub>55</sub>, 3, 1, 0; 1998 RR<sub>55</sub>, 31, 3, 33; 1998 RV<sub>56</sub>, 4, 1, 0; 1998 RY<sub>56</sub>, 44, 9, 61; 1998 RU<sub>58</sub>, 4, 1, 0; 1998 RZ<sub>58</sub>, 15, 3, 28; 1998 RP<sub>60</sub>, 4, 1, 0; 1998 RW<sub>60</sub>, 4, 1, 0; 1998 RP<sub>61</sub>, 5, 1, 0; 1998 RW<sub>61</sub>, 21, 5, 28; 1998 RK<sub>62</sub>, 8, 2, 3; 1998 RY<sub>63</sub>, 5, 1, 0; 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1998 SW<sub>2</sub>, 10, 3, 24; 1998 SB<sub>4</sub>, 4, 1, 0; 1998 SE<sub>4</sub>, 15, 3, 10; 1998 ST<sub>4</sub>, 8, 2, 10; 1998 SC<sub>5</sub>, 5, 1, 0; 1998 SR<sub>5</sub>, 5, 1, 0; 1998 SP<sub>6</sub>, 13, 3, 27; 1998 SR<sub>6</sub>, 7, 2, 3; 1998 SU<sub>6</sub>, 14, 3, 42; 1998 SQ<sub>9</sub>, 3, 1, 0; 1998 SZ<sub>9</sub>, 8, 2, 7; 1998 SJ<sub>10</sub>, 3, 1, 0; 1998 SM<sub>10</sub>, 3, 1, 0; 1998 SP<sub>10</sub>, 6, 2, 54; 1998 SB<sub>11</sub>, 5, 1, 0; 1998 SJ<sub>11</sub>, 4, 1, 0; 1998 SB<sub>12</sub>, 5, 1, 0; 1998 SS<sub>12</sub>, 10, 2, 3; 1998 SV<sub>12</sub>, 17, 4, 28; 1998 SK<sub>13</sub>, 3, 1, 0; 1998 SQ<sub>13</sub>, 29, 6, 61; 1998 SK<sub>14</sub>, 5, 1, 0; 1998 SS<sub>14</sub>, 5, 1, 0; 1998 SG<sub>17</sub>, 14, 3, 28; 1998 SX<sub>19</sub>, 3, 1, 0; 1998 SE<sub>20</sub>, 23, 5, 31; 1998 SK<sub>22</sub>, 9, 2, 29; 1998 SL<sub>22</sub>, 8, 1, 0; 1998 SR<sub>22</sub>, 4, 1, 0; 1998 SY<sub>23</sub>, 3, 1, 0; 1998 SJ<sub>24</sub>, 9, 2, 32; 1998 SW<sub>25</sub>, 23, 5, 28; 1998 SU<sub>26</sub>, 8, 2, 5; 1998 SM<sub>27</sub>, 13, 3, 28; 1998 SW<sub>27</sub>, 5, 1, 0; 1998 SJ<sub>28</sub>, 3, 1, 0; 1998 SC<sub>29</sub>, 5, 1, 0; 1998 SR<sub>31</sub>, 8, 2, 33; 1998 SV<sub>31</sub>, 19, 4, 28; 1998 SC<sub>33</sub>, 5, 1, 0; 1998 SQ<sub>33</sub>, 4, 1, 0; 1998 SX<sub>34</sub>, 15, 3, 29; 1998 SB<sub>35</sub>, 3, 1, 0; 1998 SD<sub>35</sub>, 3, 1, 0; 1998 SQ<sub>35</sub>, 3, 1, 0; 1998 SQ<sub>37</sub>, 8, 2, 31; 1998 SY<sub>39</sub>, 9, 2, 20; 1998 SX<sub>41</sub>, 8, 2, 9; 1998 SM<sub>43</sub>, 4, 1, 0; 1998 SA<sub>44</sub>, 4, 1, 0; 1998 SG<sub>44</sub>, 14, 3, 34; 1998 SP<sub>44</sub>, 5, 1, 0; 1998 SU<sub>49</sub>, 5, 1, 0; 1998 SH<sub>51</sub>, 3, 1, 0; 1998 SK<sub>51</sub>, 4, 1, 0; 1998 SP<sub>53</sub>, 10, 2, 4; 1998 SS<sub>54</sub>, 5, 1, 0; 1998 SG<sub>55</sub>, 12, 3, 33; 1998 SG<sub>56</sub>, 4, 1, 0; 1998 SZ<sub>56</sub>, 17, 3, 10; 1998 SM<sub>57</sub>, 5, 1, 0; 1998 SQ<sub>57</sub>, 9, 2, 8; 1998 SP<sub>58</sub>, 15, 3, 11; 1998 SB<sub>59</sub>, 10, 2, 7; 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1998 SV<sub>78</sub>, 10, 1, 0; 1998 SZ<sub>78</sub>, 4, 1, 0; 1998 SU<sub>79</sub>, 8, 2, 3; 1998 SB<sub>80</sub>, 5, 1, 0; 1998 SB<sub>81</sub>, 4, 1, 0; 1998 SF<sub>81</sub>, 19, 5, 27; 1998 SJ<sub>81</sub>, 4, 1, 0; 1998 SJ<sub>82</sub>, 8, 2, 5; 1998 SE<sub>83</sub>, 8, 2, 24; 1998 SN<sub>83</sub>, 4, 1, 0; 1998 SG<sub>84</sub>, 15, 3, 9; 1998 SJ<sub>86</sub>, 4, 1, 0; 1998 SD<sub>87</sub>, 10, 2, 24; 1998 SZ<sub>87</sub>, 4, 1, 0; 1998 SC<sub>90</sub>, 8, 2, 21; 1998 SL<sub>91</sub>, 13, 3, 10; 1998 SR<sub>91</sub>, 5, 1, 0; 1998 SA<sub>92</sub>, 7, 1, 0; 1998 SG<sub>93</sub>, 9, 2, 7; 1998 SK<sub>93</sub>, 13, 3, 984; 1998 SX<sub>94</sub>, 3, 1, 0; 1998 SQ<sub>96</sub>, 5, 1, 0; 1998 SJ<sub>98</sub>, 8, 2, 17; 1998 SK<sub>98</sub>, 11, 3, 9; 1998 SY<sub>98</sub>, 12, 3, 8; 1998 SF<sub>99</sub>, 9, 2, 6; 1998 SH<sub>100</sub>, 14, 3, 11; 1998 SJ<sub>100</sub>, 5, 1, 0; 1998 SB<sub>102</sub>, 7, 2, 9; 1998 SG<sub>103</sub>, 8, 2, 50; 1998 SL<sub>107</sub>, 10, 2, 975; 1998 SR<sub>108</sub>, 4, 1, 0; 1998 SA<sub>110</sub>, 12, 3, 61; 1998 SW<sub>110</sub>, 10, 3, 2047; 1998 SA<sub>111</sub>, 3, 1, 0; 1998 SC<sub>111</sub>, 14, 3, 27; 1998 SA<sub>112</sub>, 23, 5, 37; 1998 SF<sub>112</sub>, 3, 1, 0; 1998 SX<sub>112</sub>, 4, 1, 0; 1998 SE<sub>113</sub>, 5, 1, 0; 1998 SC<sub>114</sub>, 9, 2, 4; 1998 SF<sub>114</sub>, 5, 1, 0; 1998 SQ<sub>114</sub>, 5, 1, 0; 1998 SV<sub>114</sub>, 14, 3, 33; 1998 SS<sub>115</sub>, 4, 1, 0; 1998 SA<sub>117</sub>, 13, 3, 32; 1998 SK<sub>117</sub>, 5, 1, 0; 1998 SM<sub>117</sub>, 5, 1, 0; 1998 SF<sub>118</sub>, 5, 1, 0; 1998 SL<sub>118</sub>, 13, 3, 10; 1998 SC<sub>119</sub>, 11, 3, 38; 1998 SU<sub>119</sub>, 5, 1, 0; 1998 SQ<sub>122</sub>, 9, 2, 25; 1998 SA<sub>123</sub>, 4, 1, 0; 1998 SO<sub>124</sub>, 8, 2, 7; 1998 SD<sub>125</sub>, 9, 2, 9; 1998 SO<sub>125</sub>, 10, 1, 0; 1998 SA<sub>126</sub>, 20, 3, 9; 1998 SP<sub>126</sub>, 22, 5, 28; 1998 SC<sub>127</sub>, 5, 1, 0; 1998 SP<sub>127</sub>, 10, 3, 90; 1998 SR<sub>127</sub>, 19, 4, 28; 1998 SV<sub>127</sub>, 18, 4, 27; 1998 SE<sub>130</sub>, 4, 1, 0; 1998 SK<sub>131</sub>, 10, 2, 25; 1998 SN<sub>131</sub>, 8, 2, 2; 1998 SR<sub>131</sub>, 4, 1, 0; 1998 SS<sub>131</sub>, 10, 2, 26; 1998 SX<sub>131</sub>, 22, 5, 28; 1998 SF<sub>133</sub>, 4, 1, 0; 1998 SM<sub>133</sub>, 3, 1, 0; 1998 SN<sub>133</sub>, 15, 3, 23; 1998 SU<sub>134</sub>, 4, 1, 0; 1998 SX<sub>134</sub>, 8, 2, 10; 1998 SB<sub>135</sub>, 21, 5, 28; 1998 SR<sub>136</sub>, 9, 2, 7; 1998 SE<sub>137</sub>, 12, 3, 52; 1998 SZ<sub>137</sub>, 5, 1, 0; 1998 SH<sub>138</sub>, 20, 4, 37; 1998 SN<sub>138</sub>, 9, 2, 7; 1998 SQ<sub>139</sub>, 9, 2, 10; 1998 SD<sub>140</sub>, 5, 1, 0; 1998 SQ<sub>140</sub>, 7, 2, 25; 1998 SS<sub>141</sub>, 7, 2, 3; 1998 SG<sub>142</sub>, 11, 3, 30; 1998 SU<sub>142</sub>, 15, 3, 9; 1998 SH<sub>143</sub>, 13, 3, 8; 1998 SN<sub>145</sub>, 12, 3, 29; 1998 SA<sub>146</sub>, 4, 1, 0; 1998 SU<sub>146</sub>, 11, 3, 10; 1998 SW<sub>146</sub>, 13, 3, 9; 1998 SM<sub>147</sub>, 4, 1, 0; 1998 SY<sub>147</sub>, 4, 1, 0; 1998 SL<sub>148</sub>, 5, 1, 0; 1998 SE<sub>149</sub>, 10, 2, 8; 1998 SG<sub>149</sub>, 5, 1, 0; 1998 SJ<sub>153</sub>, 19, 4, 11; 1998 SM<sub>153</sub>, 9, 2, 24; 1998 SE<sub>155</sub>, 12, 3, 9; 1998 SF<sub>155</sub>, 5, 1, 0; 1998 SD<sub>157</sub>, 6, 2, 4; 1998 SL<sub>157</sub>, 4, 1, 0; 1998 SP<sub>158</sub>, 3, 1, 0; 1998 ST<sub>158</sub>, 13, 3, 8; 1998 SO<sub>159</sub>, 7, 2, 8; 1998 SK<sub>160</sub>, 7, 2, 26; 1998 SE<sub>161</sub>, 14, 3, 9; 1998 SW<sub>161</sub>, 8, 2, 8; 1998 SU<sub>165</sub>, 4, 1, 0; 1998 SX<sub>167</sub>, 8, 2, 47; 1998 SB<sub>168</sub>, 5, 1, 0; 1998 SG<sub>170</sub>, 8, 2, 508; 1998 SY<sub>170</sub>, 4, 1, 0; 1998 TF<sub>18</sub>, 18, 3, 14; 1998 TM<sub>18</sub>, 4, 35; 1998 TC<sub>2</sub>, 4, 1, 0; 1998 TM<sub>2</sub>, 4, 1, 0; 1998 TU<sub>3</sub>, 5, 1, 0; 1998 TY<sub>5</sub>, 4, 1, 0; 1998 TP<sub>6</sub>, 5, 1, 0; 1998 TK<sub>9</sub>, 13, 3, 9; 1998 TQ<sub>9</sub>, 13, 3, 9; 1998 TA<sub>10</sub>, 5, 1, 0; 1998 TC<sub>10</sub>, 20, 4, 37; 1998 TD<sub>11</sub>, 5, 1, 0; 1998 TT<sub>12</sub>, 10, 2, 7; 1998 TB<sub>17</sub>, 3, 1, 0; 1998 TE<sub>18</sub>, 13, 2, 1; 1998 TR<sub>18</sub>, 4, 1, 0; 1998 TC<sub>19</sub>, 13, 3, 10; 1998 TE<sub>19</sub>, 8, 2, 3; 1998 TS<sub>19</sub>, 5, 1, 0; 1998 TC<sub>22</sub>, 4, 1, 0; 1998 TU<sub>22</sub>, 5, 1, 0; 1998 TX<sub>22</sub>, 8, 2, 10; 1998 TJ<sub>25</sub>, 4, 1, 0; 1998 TH<sub>26</sub>, 5, 1, 0; 1998 TB<sub>28</sub>, 7, 2, 29; 1998 TG<sub>28</sub>, 5, 1, 0; 1998 TU<sub>30</sub>, 15, 3, 9; 1998 TO<sub>31</sub>, 4, 1, 0; 1998 TZ<sub>31</sub>, 3, 1, 0; 1998 TJ<sub>32</sub>, 25, 5, 32; 1998 TN<sub>32</sub>, 5, 1, 0; 1998 TV<sub>32</sub>, 7, 2, 9; 1998 TA<sub>33</sub>, 14, 3, 10; 1998 TQ<sub>33</sub>, 18, 4, 15; 1998 TS<sub>33</sub>, 22, 5, 28; 1998 TX<sub>36</sub>, 5, 1, 0; 1998 TZ<sub>37</sub>, 4, 1, 0; 1998 UF<sub>25</sub>, 5, 71; 1998 UK<sub>5</sub>, 5, 1, 0; 1998 UL<sub>10</sub>, 2, 9; 1998 UT<sub>13</sub>, 3, 33; 1998 UU<sub>12</sub>, 12, 3, 70; 1998 UV<sub>23</sub>, 5, 39; 1998 UE<sub>1</sub>, 15, 4, 34; 1998 UG<sub>1</sub>, 11, 3, 5; 1998 UH<sub>1</sub>, 21, 6, 70; 1998 US<sub>6</sub>, 5, 1, 0; 1998 UM<sub>16</sub>, 3, 1, 0; 1998 UA<sub>17</sub>, 13, 3, 61; 1998 UD<sub>17</sub>, 5, 1, 0; 1998 UK<sub>19</sub>, 11, 3, 9; 1998 UQ<sub>20</sub>, 4, 1, 0; 1998 UJ<sub>23</sub>, 21, 5, 68; 1998 UR<sub>24</sub>, 16, 4, 37; 1998 UV<sub>25</sub>, 8, 2, 18; 1998 UZ<sub>25</sub>, 5, 1, 0; 1998 UA<sub>26</sub>, 5, 1, 0; 1998 UJ<sub>26</sub>, 6, 2, 22; 1998 UC<sub>27</sub>, 5, 1, 0; 1998 UJ<sub>27</sub>, 17, 4, 28; 1998 UY<sub>28</sub>, 8, 2, 8; 1998 UL<sub>30</sub>, 5, 1, 0; 1998 UU<sub>30</sub>, 4, 1, 0; 1998 UC<sub>31</sub>, 5, 1, 0; 1998 UE<sub>34</sub>, 11, 3, 7; 1998 UM<sub>34</sub>, 7, 2, 919; 1998 UP<sub>34</sub>, 5, 1, 0; 1998 UU<sub>34</sub>, 3, 1, 0; 1998 UN<sub>36</sub>, 13, 3, 34; 1998 UX<sub>37</sub>, 3, 1, 0; 1998 UC<sub>38</sub>, 9, 2, 18; 1998 UG<sub>40</sub>, 23, 5, 37; 1998 UP<sub>40</sub>, 4, 1, 0; 1998 UB<sub>42</sub>, 3, 1, 0; 1998 UO<sub>43</sub>, 8, 2, 10; 1998 UY<sub>44</sub>, 3, 1, 0; 1998 UQ<sub>47</sub>, 4, 1, 0; 1998 UG<sub>49</sub>, 5, 1, 0; 1998 VM<sub>2</sub>

9, 2, 1228; 1998 XJ<sub>80</sub>, 10, 2, 2; 1998 XZ<sub>81</sub>, 8, 2, 3; 1998 XX<sub>87</sub>, 4, 1, 0; 1998 XA<sub>97</sub>, 10, 2, 498; 1998 XS<sub>99</sub>, 8, 2, 3; 1998 YC<sub>2</sub>, 3, 1, 0; 1998 YH<sub>5</sub>, 11, 3, 8; 1998 YG<sub>6</sub>, 4, 1, 0; 1998 YJ<sub>6</sub>, 4, 1, 0; 1998 YS<sub>6</sub>, 19, 4, 27; 1998 YQ<sub>7</sub>, 3, 1, 0; 1998 YP<sub>9</sub>, 10, 3, 12; 1998 YW<sub>10</sub>, 18, 4, 28; 1998 YN<sub>11</sub>, 8, 2, 35; 1998 YX<sub>14</sub>, 7, 2, 467; 1998 YU<sub>20</sub>, 3, 1, 0; 1998 YH<sub>23</sub>, 7, 2, 52; 1998 YA<sub>28</sub>, 9, 2, 55; 1998 YR<sub>29</sub>, 3, 1, 0; 1998 YS<sub>29</sub>, 4, 1, 0; 1998 YQ<sub>30</sub>, 3, 1, 0; 1999 AB<sub>9</sub>, 2, 17; 1999 AM<sub>4</sub>, 8, 2, 7; 1999 AE<sub>5</sub>, 8, 2, 833; 1999 AF<sub>7</sub>, 9, 2, 9; 1999 AL<sub>10</sub>, 4, 1, 0; 1999 AV<sub>10</sub>, 9, 2, 32; 1999 AE<sub>13</sub>, 7, 2, 6; 1999 AN<sub>13</sub>, 8, 2, 40; 1999 AT<sub>13</sub>, 4, 1, 0; 1999 AB<sub>13</sub>, 3, 1, 0; 1999 AB<sub>22</sub>, 15, 3, 10; 1999 AF<sub>22</sub>, 25, 7, 951; 1999 AW<sub>24</sub>, 7, 2, 4; 1999 AN<sub>25</sub>, 13, 3, 33; 1999 AC<sub>26</sub>, 5, 1, 0; 1999 AE<sub>34</sub>, 12, 2, 7; 1999 BH<sub>2</sub>, 14, 3, 9; 1999 BO<sub>3</sub>, 10, 3, 378; 1999 BX<sub>3</sub>, 4, 1, 0; 1999 BH<sub>5</sub>, 8, 2, 439; 1999 BO<sub>6</sub>, 8, 2, 31; 1999 BQ<sub>9</sub>, 8, 2, 6; 1999 BY<sub>10</sub>, 4, 1, 0; 1999 BH<sub>11</sub>, 20, 4, 37; 1999 BX<sub>11</sub>, 20, 4, 31; 1999 BF<sub>13</sub>, 10, 2, 5; 1999 BT<sub>13</sub>, 27, 6, 37; 1999 BP<sub>14</sub>, 5, 1, 0; 1999 BH<sub>15</sub>, 3, 1, 0; 1999 BN<sub>15</sub>, 10, 2, 24; 1999 BQ<sub>15</sub>, 7, 2, 10; 1999 BM<sub>17</sub>, 7, 2, 32; 1999 BF<sub>18</sub>, 13, 3, 1429; 1999 BN<sub>18</sub>, 5, 1, 0; 1999 BC<sub>20</sub>, 16, 4, 89; 1999 BJ<sub>20</sub>, 5, 1, 0; 1999 BJ<sub>21</sub>, 34, 8, 123; 1999 BX<sub>21</sub>, 10, 2, 30; 1999 BV<sub>24</sub>, 10, 2, 28; 1999 BQ<sub>31</sub>, 15, 3, 28; 1999 CB<sub>3</sub>, 1, 0; 1999 CK<sub>7</sub>, 2, 18; 1999 CB<sub>1</sub>, 5, 1, 0; 1999 CE<sub>1</sub>, 4, 1, 0; 1999 CP<sub>1</sub>, 6, 2, 20; 1999 CT<sub>1</sub>, 3, 1, 0; 1999 CZ<sub>1</sub>, 13, 3, 5; 1999 CZ<sub>3</sub>, 5, 1, 0; 1999 CD<sub>6</sub>, 4, 1, 0; 1999 CQ<sub>6</sub>, 9, 2, 33; 1999 CU<sub>12</sub>, 19, 5, 71; 1999 CC<sub>14</sub>, 5, 1, 0; 1999 CR<sub>14</sub>, 38, 8, 412; 1999 CL<sub>16</sub>, 5, 1, 0; 1999 CZ<sub>17</sub>, 6, 2, 19; 1999 CO<sub>20</sub>, 7, 2, 10; 1999 CV<sub>21</sub>, 3, 1, 0; 1999 CA<sub>22</sub>, 24, 5, 38; 1999 CR<sub>22</sub>, 5, 1, 0; 1999 CV<sub>22</sub>, 4, 1, 0; 1999 CZ<sub>24</sub>, 5, 1, 0; 1999 CT<sub>27</sub>, 7, 2, 983; 1999 CR<sub>28</sub>, 10, 1, 0; 1999 CS<sub>32</sub>, 9, 2, 1; 1999 CQ<sub>33</sub>, 9, 2, 8; 1999 CE<sub>34</sub>, 8, 2, 52; 1999 CG<sub>34</sub>, 4, 1, 0; 1999 CP<sub>34</sub>, 4, 1, 0; 1999 CE<sub>35</sub>, 5, 1, 0; 1999 CO<sub>36</sub>, 8, 2, 56; 1999 CS<sub>36</sub>, 11, 3, 427; 1999 CO<sub>37</sub>, 4, 1, 0; 1999 CR<sub>37</sub>, 4, 1, 0; 1999 CA<sub>31</sub>, 13, 4, 58; 1999 CO<sub>42</sub>, 3, 1, 0; 1999 CL<sub>43</sub>, 10, 2, 50; 1999 CU<sub>43</sub>, 15, 2, 33; 1999 CO<sub>47</sub>, 15, 4, 14; 1999 CD<sub>49</sub>, 5, 1, 0; 1999 CG<sub>51</sub>, 5, 1, 0; 1999 CM<sub>56</sub>, 3, 1, 0; 1999 CL<sub>60</sub>, 12, 3, 39; 1999 CO<sub>62</sub>, 3, 1, 0; 1999 CG<sub>63</sub>, 10, 2, 26; 1999 CX<sub>64</sub>, 3, 1, 0; 1999 CU<sub>65</sub>, 5, 1, 0; 1999 CY<sub>66</sub>, 12, 3, 14; 1999 CC<sub>68</sub>, 8, 2, 525; 1999 CH<sub>73</sub>, 7, 2, 2; 1999 CD<sub>74</sub>, 4, 1, 0; 1999 CV<sub>75</sub>, 3, 1, 0; 1999 CE<sub>77</sub>, 37, 7, 171; 1999 CG<sub>77</sub>, 5, 1, 0; 1999 CF<sub>80</sub>, 4, 1, 0; 1999 CW<sub>80</sub>, 9, 2, 33; 1999 CX<sub>80</sub>, 3, 1, 0; 1999 CC<sub>88</sub>, 3, 1, 0; 1999 CL<sub>88</sub>, 17, 4, 42; 1999 CH<sub>93</sub>, 4, 1, 0; 1999 CY<sub>93</sub>, 12, 2, 428; 1999 CZ<sub>95</sub>, 21, 5, 422; 1999 CS<sub>98</sub>, 5, 1, 0; 1999 CX<sub>99</sub>, 3, 1, 0; 1999 CE<sub>105</sub>, 3, 1, 0; 1999 CH<sub>105</sub>, 6, 2, 33; 1999 CW<sub>105</sub>, 19, 4, 483; 1999 CZ<sub>108</sub>, 5, 1, 0; 1999 CY<sub>109</sub>, 9, 2, 20; 1999 CX<sub>111</sub>, 9, 2, 62; 1999 CL<sub>112</sub>, 11, 3, 66; 1999 CA<sub>115</sub>, 8, 2, 1; 1999 CU<sub>116</sub>, 3, 1, 0; 1999 CH<sub>117</sub>, 34, 7, 60; 1999 CV<sub>117</sub>, 22, 5, 1851; 1999 CT<sub>118</sub>, 8, 2, 44; 1999 CR<sub>119</sub>, 5, 1, 0; 1999 CN<sub>120</sub>, 13, 2, 9; 1999 CD<sub>121</sub>, 13, 3, 27; 1999 CZ<sub>122</sub>, 13, 3, 14; 1999 CD<sub>125</sub>, 11, 3, 39; 1999 CJ<sub>127</sub>, 4, 1, 0; 1999 CA<sub>135</sub>, 5, 1, 0; 1999 CL<sub>135</sub>, 4, 1, 0; 1999 CV<sub>135</sub>, 3, 1, 0; 1999 CG<sub>137</sub>, 4, 1, 0; 1999 CU<sub>140</sub>, 4, 1, 0; 1999 CT<sub>147</sub>, 5, 1, 0; 1999 CY<sub>153</sub>, 11, 3, 33; 1999 CC<sub>156</sub>, 8, 2, 8; 1999 CZ<sub>157</sub>, 16, 4, 39; 1999 DG<sub>10</sub>, 2, 5; 1999 DN<sub>7</sub>, 2, 20; 1999 DO<sub>13</sub>, 3, 472; 1999 DD<sub>20</sub>, 2, 4, 11; 1999 DA<sub>5</sub>, 4, 1, 0; 1999 DB<sub>7</sub>, 15, 4, 26; 1999 DY<sub>8</sub>, 21, 5, 94; 1999 DB<sub>9</sub>, 18, 4, 72; 1999 DC<sub>9</sub>, 12, 3, 54; 1999 EQ<sub>1</sub>, 1, 0; 1999 EN<sub>3</sub>, 9, 2, 8; 1999 EP<sub>3</sub>, 23, 5, 12; 1999 ED<sub>4</sub>, 9, 2, 27; 1999 EW<sub>5</sub>, 5, 1, 0; 1999 EY<sub>5</sub>, 4, 1, 0; 1999 EG<sub>6</sub>, 5, 1, 0; 1999 EJ<sub>6</sub>, 4, 1, 0; 1999 ES<sub>11</sub>, 5, 1, 0; 1999 ER<sub>12</sub>, 5, 1, 0; 1999 FZ<sub>20</sub>, 4, 28; 1999 FB<sub>1</sub>, 11, 3, 10; 1999 FH<sub>1</sub>, 6, 2, 27; 1999 FL<sub>1</sub>, 3, 1, 0; 1999 FG<sub>2</sub>, 5, 1, 0; 1999 FK<sub>2</sub>, 4, 1, 0; 1999 FB<sub>3</sub>, 5, 1, 0; 1999 FO<sub>3</sub>, 4, 1, 0; 1999 FE<sub>7</sub>, 7, 2, 5; 1999 FJ<sub>9</sub>, 29, 6, 37; 1999 FQ<sub>9</sub>, 3, 1, 0; 1999 FG<sub>16</sub>, 3, 1, 0; 1999 FY<sub>17</sub>, 5, 1, 0; 1999 FA<sub>18</sub>, 7, 2, 12; 1999 FW<sub>26</sub>, 3, 1, 0; 1999 FF<sub>27</sub>, 4, 1, 0; 1999 FW<sub>27</sub>, 3, 1, 0; 1999 FV<sub>28</sub>, 19, 4, 35; 1999 FW<sub>28</sub>, 4, 1, 0; 1999 FH<sub>29</sub>, 13, 3, 27; 1999 FC<sub>30</sub>, 11, 3, 38; 1999 FY<sub>30</sub>, 3, 1, 0; 1999 FL<sub>33</sub>, 3, 1, 0; 1999 FU<sub>33</sub>, 9, 2, 31; 1999 FN<sub>34</sub>, 5, 1, 0; 1999 FK<sub>35</sub>, 13, 3, 89; 1999 FW<sub>35</sub>, 4, 1, 0; 1999 FU<sub>36</sub>, 13, 3, 11; 1999 FC<sub>37</sub>, 20, 4, 80; 1999 FV<sub>39</sub>, 4, 1, 0; 1999 FU<sub>44</sub>, 14, 3, 10; 1999 FO<sub>49</sub>, 3, 1, 0; 1999 FG<sub>51</sub>, 7, 2, 5; 1999 FD<sub>62</sub>, 9, 2, 498; 1999 FS<sub>62</sub>, 4, 1, 0; 1999 GJ<sub>2</sub>, 10, 2, 29; 1999 GM<sub>22</sub>, 4, 32; 1999 GO<sub>2</sub>, 11, 3, 49; 1999 GQ<sub>2</sub>, 4, 1, 0; 1999 GF<sub>3</sub>, 4, 1, 0; 1999 GJ<sub>6</sub>, 4, 1, 0; 1999 GL<sub>6</sub>, 19, 4, 30; 1999 GB<sub>7</sub>, 20, 5, 51; 1999 GZ<sub>8</sub>, 10, 2, 11; 1999 GJ<sub>9</sub>, 5, 1, 0; 1999 GZ<sub>19</sub>, 14, 3, 64; 1999 GF<sub>21</sub>, 4, 1, 0; 1999 GG<sub>22</sub>, 4, 1, 0; 1999 GW<sub>22</sub>, 15, 2, 903; 1999 GZ<sub>24</sub>, 4, 1, 0; 1999 GK<sub>25</sub>, 9, 2, 5; 1999 GX<sub>25</sub>, 4, 1, 0; 1999 GX<sub>30</sub>, 5, 1, 0; 1999 GO<sub>31</sub>, 4, 1, 0; 1999 GP<sub>31</sub>, 15, 3, 31; 1999 GJ<sub>33</sub>, 9, 2, 27; 1999 GL<sub>33</sub>, 10, 2, 6; 1999 GU<sub>33</sub>, 5, 1, 0; 1999 GA<sub>34</sub>, 5, 1, 0; 1999 GQ<sub>34</sub>, 19, 4, 29; 1999 GB<sub>35</sub>, 12, 3, 7; 1999 GP<sub>35</sub>, 8, 2, 1; 1999 GR<sub>35</sub>, 8, 2, 2; 1999 GV<sub>35</sub>, 13, 3, 10; 1999 GX<sub>35</sub>, 7, 2, 10; 1999 GZ<sub>35</sub>, 13, 3, 28; 1999 GG<sub>36</sub>, 3, 1, 0; 1999 GM<sub>37</sub>, 13, 3, 28; 1999 GW<sub>39</sub>, 3, 1, 0; 1999 GD<sub>45</sub>, 3, 1, 0; 1999 GT<sub>53</sub>, 24, 5, 32; 1999 GC<sub>56</sub>, 20, 5, 41; 1999 GF<sub>58</sub>, 3, 1, 0; 1999 GQ<sub>58</sub>, 13, 3, 14; 1999 GT<sub>58</sub>, 13, 3, 951; 1999 GT<sub>59</sub>, 4, 1, 0; 1999 GS<sub>60</sub>, 3, 1, 0; 1999 HR<sub>16</sub>, 4, 69; 1999 HO<sub>19</sub>, 19, 4, 11; 1999 HN<sub>3</sub>, 10, 2, 1858; 1999 HZ<sub>6</sub>, 23, 5, 28; 1999 HG<sub>9</sub>, 5, 1, 0; 1999 HQ<sub>9</sub>, 13, 3, 56; 1999 HZ<sub>10</sub>, 14, 3, 30; 1999 JW<sub>2</sub>, 4, 1, 0; 1999 JJ<sub>1</sub>, 18, 4, 1058; 1999 JM<sub>1</sub>, 8, 2, 7; 1999 JO<sub>1</sub>, 5, 1, 0; 1999 JJ<sub>2</sub>, 13, 2, 10; 1999 JJ<sub>3</sub>, 18, 4, 59; 1999 JN<sub>3</sub>, 18, 4, 87; 1999 JU<sub>3</sub>, 5, 1, 0; 1999 JK<sub>4</sub>, 9, 2, 28; 1999 JJ<sub>5</sub>, 7, 2, 7; 1999 JD<sub>6</sub>, 8, 2, 1; 1999 JM<sub>6</sub>, 20, 5, 66; 1999 JN<sub>6</sub>, 16, 4, 29; 1999 JE<sub>7</sub>, 3, 1, 0; 1999 JO<sub>7</sub>, 23, 5, 58; 1999 JU<sub>7</sub>, 10, 2, 31; 1999 JJ<sub>8</sub>, 11, 3, 12; 1999 JK<sub>8</sub>, 13, 3, 915; 1999 JS<sub>8</sub>, 9, 2, 881; 1999 JX<sub>8</sub>, 15, 3, 35; 1999 JG<sub>9</sub>, 15, 3, 31; 1999 JC<sub>10</sub>, 9, 2, 7; 1999 JY<sub>10</sub>, 3, 1, 0; 1999 JC<sub>11</sub>, 17, 4, 28; 1999 JJ<sub>11</sub>, 5, 1, 0; 1999 JK<sub>11</sub>, 8, 2, 10; 1999 JF<sub>12</sub>, 24, 5, 36; 1999 JT<sub>12</sub>, 5, 1, 0; 1999 JX<sub>12</sub>, 12, 3, 79; 1999 JY<sub>12</sub>, 9, 2, 25; 1999 JA<sub>13</sub>, 28, 6, 65; 1999 JU<sub>13</sub>, 8, 2, 37; 1999 JZ<sub>14</sub>, 4, 1, 0; 1999 JG<sub>15</sub>, 9, 2, 5; 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1999 JR<sub>36</sub>, 3, 1, 0; 1999 JG<sub>37</sub>, 4, 1, 0; 1999 JV<sub>37</sub>, 20, 4, 30; 1999 JD<sub>38</sub>, 15, 3, 66; 1999 JG<sub>39</sub>, 18, 4, 32; 1999 JE<sub>40</sub>, 12, 3, 92; 1999 JH<sub>40</sub>, 14, 3, 9; 1999 JL<sub>40</sub>, 3, 1, 0; 1999 JR<sub>40</sub>, 13, 3, 7; 1999 JV<sub>40</sub>, 28, 6, 68; 1999 JX<sub>40</sub>, 29, 7, 69; 1999 JO<sub>41</sub>, 4, 1, 0; 1999 JX<sub>41</sub>, 35, 8, 67; 1999 JZ<sub>41</sub>, 12, 3, 28; 1999 JE<sub>42</sub>, 4, 1, 0; 1999 JH<sub>42</sub>, 5, 1, 0; 1999 JJ<sub>43</sub>, 5, 1, 0; 1999 JQ<sub>43</sub>, 20, 4, 29; 1999 JT<sub>43</sub>, 5, 1, 0; 1999 JM<sub>44</sub>, 10, 3, 10; 1999 JC<sub>45</sub>, 4, 1, 0; 1999 JP<sub>45</sub>, 4, 1, 0; 1999 JQ<sub>45</sub>, 22, 5, 39; 1999 JE<sub>46</sub>, 14, 3, 9; 1999 JD<sub>47</sub>, 4, 1, 0; 1999 JQ<sub>48</sub>, 9, 2, 7; 1999 JF<sub>49</sub>, 5, 1, 0; 1999 JR<sub>49</sub>, 8, 2, 23; 1999 JT<sub>49</sub>, 3, 1, 0; 1999 JL<sub>50</sub>, 12, 3, 29; 1999 JC<sub>51</sub>, 22, 5, 61; 1999 JG<sub>51</sub>, 4, 1, 0; 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1999 JP<sub>97</sub>, 9, 2, 111; 1999 JR<sub>97</sub>, 4, 1, 0; 1999 JP<sub>98</sub>, 8, 2, 37; 1999 JC<sub>99</sub>, 3, 1, 0; 1999 JD<sub>99</sub>, 9, 2, 5; 1999 JL<sub>102</sub>, 13, 3, 29; 1999 JU<sub>102</sub>, 5, 1, 0; 1999 JA<sub>103</sub>, 4, 1, 0; 1999 JR<sub>103</sub>, 5, 1, 0; 1999 JG<sub>105</sub>, 9, 2, 2; 1999 JH<sub>105</sub>, 10, 2, 9; 1999 JS<sub>106</sub>, 14, 3, 9; 1999 JT<sub>107</sub>, 3, 1, 0; 1999 JG<sub>111</sub>, 12, 3, 27; 1999 JO<sub>111</sub>, 7, 2, 29; 1999 JJ<sub>113</sub>, 27, 6, 61; 1999 JT<sub>113</sub>, 18, 4, 31; 1999 JJ<sub>114</sub>, 5, 1, 0; 1999 JV<sub>114</sub>, 16, 4, 61; 1999 JW<sub>114</sub>, 14, 4, 65; 1999 JT<sub>116</sub>, 10, 3, 8; 1999 JG<sub>118</sub>, 3, 1, 0; 1999 JH<sub>118</sub>, 9, 2, 32; 1999 JM<sub>118</sub>, 9, 2, 7; 1999 JO<sub>118</sub>, 5, 1, 0; 1999 JP<sub>118</sub>, 8, 2, 8; 1999 JE<sub>119</sub>, 3, 1, 0; 1999 JG<sub>120</sub>, 19, 4, 9; 1999 JN<sub>120</sub>, 5, 1, 0; 1999 JO<sub>120</sub>, 14, 3, 40; 1999 JR<sub>120</sub>, 5, 1, 0; 1999 JE<sub>121</sub>, 3, 1, 0; 1999 JF<sub>121</sub>, 9, 2, 32; 1999 JG<sub>121</sub>, 12, 3, 10; 1999 JH<sub>121</sub>, 17, 4, 30; 1999 JO<sub>121</sub>, 4, 1, 0; 1999 JD<sub>122</sub>, 5, 1, 0; 1999 JH<sub>122</sub>, 17, 4, 32; 1999 JJ<sub>122</sub>, 13, 3, 37; 1999 JL<sub>122</sub>, 20, 3, 10; 1999 JZ<sub>123</sub>, 20, 4, 30; 1999 JV<sub>124</sub>, 18, 4, 30; 1999 JF<sub>125</sub>, 9, 2, 27; 1999 JU<sub>126</sub>, 11, 3, 7; 1999 JZ<sub>126</sub>, 13, 3, 30; 1999 JC<sub>127</sub>, 32, 7, 59; 1999 JL<sub>127</sub>, 3, 1, 0; 1999 JZ<sub>127</sub>, 11, 3, 28; 1999 JL<sub>129</sub>, 12, 3, 28; 1999 JK<sub>130</sub>, 16, 4, 37; 1999 JT<sub>130</sub>, 7, 2, 28; 1999 JO<sub>131</sub>, 5, 1, 0; 1999 JY<sub>131</sub>, 5, 1, 0; 1999 JA<sub>133</sub>, 3, 1, 0; 1999 JR<sub>133</sub>, 5, 1, 0; 1999 JY<sub>134</sub>, 13, 3, 29; 1999 JE<sub>136</sub>, 19, 5, 28; 1999 JG<sub>136</sub>, 18, 4, 1334; 1999 JT<sub>138</sub>, 10, 2, 11; 1999 KD<sub>5</sub>, 1, 0; 1999 KB<sub>1</sub>, 7, 2, 8; 1999 KF<sub>1</sub>, 3, 1, 0; 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1999 NE<sub>43</sub>, 9, 2, 28; 1999 NJ<sub>45</sub>, 8, 2, 37; 1999 NX<sub>45</sub>, 15, 3, 26; 1999 NG<sub>46</sub>, 4, 1, 0; 1999 NL<sub>46</sub>, 24, 5, 67; 1999 NW<sub>46</sub>, 8, 2, 3; 1999 NO<sub>47</sub>, 7, 2, 11; 1999 NA<sub>48</sub>, 12, 3, 29; 1999 NF<sub>49</sub>, 25, 6, 73; 1999 NT<sub>49</sub>, 5, 1, 0; 1999 NX<sub>49</sub>, 24, 6, 69; 1999 NT<sub>50</sub>, 48, 9, 68; 1999 NQ<sub>51</sub>, 10, 2, 3; 1999 NW<sub>51</sub>, 8, 2, 25; 1999 NT<sub>52</sub>, 20, 5, 65; 1999 NL<sub>53</sub>, 7, 2, 5; 1999 NN<sub>53</sub>, 9, 2, 25; 1999 NQ<sub>53</sub>, 9, 2, 170; 1999 NV<sub>53</sub>, 4, 1, 0; 1999 NK<sub>54</sub>, 12, 3, 25; 1999 NN<sub>54</sub>, 5, 1, 0; 1999 NG<sub>55</sub>, 5, 1, 0; 1999 NH<sub>55</sub>, 4, 1, 0; 1999 NP<sub>55</sub>, 11, 3, 56; 1999 NQ<sub>55</sub>, 4, 1, 0; 1999 NU<sub>55</sub>, 4, 1, 0; 1999 NA<sub>56</sub>, 9, 2, 5; 1999 NC<sub>56</sub>, 4, 1, 0; 1999 NE<sub>56</sub>, 14, 3, 29; 1999 NF<sub>56</sub>, 18, 4, 29; 1999 NT<sub>56</sub>, 9, 2, 3; 1999 NW<sub>56</sub>, 21, 5, 40; 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1999 PT<sub>8</sub>, 5, 1, 0; 1999 QC, 5, 1, 0; 1999 QQ<sub>1</sub>, 4, 1, 0; 1999 QT<sub>1</sub>, 19, 4, 28; 1999 QV<sub>1</sub>, 27, 6, 64; 1999 QM<sub>2</sub>, 7, 2, 35; 1999 QQ<sub>2</sub>, 8, 2, 31; 1999 QJ<sub>3</sub>, 5, 1, 0; 1999 RL<sub>2</sub>, 3, 1, 0; 1999 RA<sub>3</sub>, 4, 1, 0; 1999 RE<sub>3</sub>, 14, 3, 30; 1999 RN<sub>3</sub>, 9, 2, 25; 1999 RQ<sub>3</sub>, 14, 3, 10; 1999 RU<sub>3</sub>, 4, 1, 0; 1999 RB<sub>4</sub>, 13, 3, 30; 1999 RE<sub>4</sub>, 5, 1, 0; 1999 RF<sub>4</sub>, 17, 4, 65; 1999 RL<sub>6</sub>, 12, 3, 9; 1999 RG<sub>7</sub>, 4, 1, 0; 1999 RA<sub>8</sub>, 19, 4, 37; 1999 RK<sub>8</sub>, 21, 5, 37; 1999 RX<sub>8</sub>, 5, 1, 0; 1999 RE<sub>10</sub>, 9, 2, 11; 1999 RY<sub>10</sub>, 23, 5, 14; 1999 RE<sub>11</sub>, 9, 2, 10; 1999 RL<sub>11</sub>, 3, 1, 0; 1999 RQ<sub>11</sub>, 20, 4, 37; 1999 RR<sub>11</sub>, 9, 2, 9; 1999 RS<sub>11</sub>, 19, 4, 29; 1999 RY<sub>11</sub>, 4, 1, 0; 1999 RR<sub>12</sub>, 27, 6, 35; 1999 RS<sub>12</sub>, 12, 3, 32; 1999 RY<sub>12</sub>, 5, 1, 0; 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1999 RA<sub>35</sub>, 30, 7, 60; 1999 RP<sub>35</sub>, 18, 3, 10; 1999 RJ<sub>37</sub>, 7, 2, 37; 1999 RS<sub>37</sub>, 13, 3, 39; 1999 RV<sub>37</sub>, 10, 2, 32; 1999 RZ<sub>37</sub>, 12, 3, 12; 1999 RA<sub>38</sub>, 4, 1, 0; 1999 RZ<sub>38</sub>, 8, 2, 37; 1999 RD<sub>39</sub>, 17, 4, 28; 1999 RG<sub>39</sub>, 8, 2, 6; 1999 RR<sub>39</sub>, 20, 3, 37; 1999 RB<sub>40</sub>, 8, 2, 10; 1999 RM<sub>40</sub>, 9, 2, 16; 1999 RP<sub>40</sub>, 3, 1, 0; 1999 RU<sub>40</sub>, 5, 1, 0; 1999 RU<sub>41</sub>, 24, 4, 27; 1999 RX<sub>41</sub>, 13, 3, 9; 1999 RF<sub>42</sub>, 22, 5, 28; 1999 RH<sub>42</sub>, 15, 3, 10; 1999 RL<sub>42</sub>, 8, 2, 57; 1999 RM<sub>42</sub>, 9, 2, 32; 1999 RY<sub>42</sub>, 8, 2, 31; 1999 RB<sub>44</sub>, 11, 3, 13; 1999 RD<sub>44</sub>, 13, 3, 10; 1999 RF<sub>44</sub>, 8, 2, 5; 1999 RO<sub>44</sub>, 21, 5, 75; 1999 RS<sub>44</sub>, 13, 3, 25; 1999 RZ<sub>44</sub>, 8, 2, 11; 1999 RN<sub>46</sub>, 3, 1, 0; 1999 RS<sub>46</sub>, 5, 1, 0; 1999 RW<sub>46</sub>, 3, 1, 0; 1999 RN<sub>48</sub>, 4, 1, 0; 1999 RT<sub>48</sub>, 3, 1, 0; 1999 RA<sub>49</sub>, 5, 1, 0; 1999 RS<sub>49</sub>, 33, 7, 64; 1999 RZ<sub>49</sub>, 6, 2, 8; 1999 RA<sub>50</sub>, 13, 3, 9; 1999 RG<sub>50</sub>, 4, 1, 0; 1999 RN<sub>50</sub>, 5, 1, 0; 1999 RQ<sub>50</sub>, 8, 2, 52; 1999 RV<sub>50</sub>, 4, 1, 0; 1999 RC<sub>51</sub>, 17, 4, 63; 1999 RE<sub>51</sub>, 29, 6, 62; 1999 RO<sub>51</sub>, 24, 5, 40; 1999 RY<sub>51</sub>, 9, 2, 3; 1999 RK<sub>52</sub>, 5, 1, 0; 1999 RN<sub>52</sub>, 12, 3, 1097; 1999 RG<sub>54</sub>, 19, 4, 35; 1999 RO<sub>54</sub>, 18, 4, 925; 1999 RZ<sub>54</sub>, 2, 1, 0; 1999 RB<sub>56</sub>, 3, 1, 0; 1999 RV<sub>56</sub>, 21, 5, 57; 1999 RL<sub>57</sub>, 3, 1, 0; 1999 RM<sub>57</sub>, 5, 1, 0; 1999 RP<sub>58</sub>, 3, 1, 0; 1999 RA<sub>60</sub>, 19, 4, 28; 1999 RJ<sub>60</sub>, 3, 1, 0; 1999 RK<sub>60</sub>, 4, 1, 0; 1999 RD<sub>62</sub>, 15, 3, 33; 1999 RK<sub>63</sub>, 3, 1, 0; 1999 RV<sub>63</sub>, 10, 2, 8; 1999 RG<sub>64</sub>, 3, 1, 0; 1999 RZ<sub>64</sub>, 8, 2, 26; 1999 RC<sub>65</sub>, 9, 2, 11; 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1999 RT<sub>84</sub>, 9, 2, 19; 1999 RL<sub>85</sub>, 16, 4, 37; 1999 RE<sub>86</sub>, 8, 2, 3; 1999 RF<sub>86</sub>, 12, 3, 9; 1999 RS<sub>86</sub>, 7, 2, 60; 1999 RF<sub>87</sub>, 6, 2, 5; 1999 RN<sub>88</sub>, 14, 3, 11; 1999 RX<sub>88</sub>, 5, 1, 0; 1999 RK<sub>89</sub>, 15, 3, 24; 1999 RQ<sub>89</sub>, 12, 3, 8; 1999 RR<sub>89</sub>, 15, 3, 10; 1999 RU<sub>89</sub>, 3, 1, 0; 1999 RG<sub>90</sub>, 14, 3, 9; 1999 RJ<sub>90</sub>, 15, 3, 9; 1999 RP<sub>90</sub>, 8, 2, 16; 1999 RU<sub>90</sub>, 25, 3, 9; 1999 RC<sub>91</sub>, 14, 3, 1417; 1999 RO<sub>91</sub>, 27, 6, 37; 1999 RR<sub>91</sub>, 20, 5, 37; 1999 RW<sub>91</sub>, 11, 3, 30; 1999 RC<sub>92</sub>, 32, 6, 32; 1999 RP<sub>92</sub>, 4, 1, 0; 1999 RX<sub>92</sub>, 5, 1, 0; 1999 RH<sub>93</sub>, 16, 4, 37; 1999 RM<sub>93</sub>, 5, 1, 0; 1999 RE<sub>94</sub>, 47, 10, 67; 1999 RS<sub>94</sub>, 3, 1, 0; 1999 RR<sub>96</sub>, 13, 3, 10; 1999 RT<sub>96</sub>, 4, 1, 0; 1999 RD<sub>97</sub>, 12, 3, 9; 1999 RM<sub>97</sub>, 8, 2, 8; 1999 RM<sub>98</sub>, 18, 4, 28; 1999 RK<sub>99</sub>, 19, 5, 33; 1999 RF<sub>101</sub>, 5, 1, 0; 1999 RO<sub>101</sub>, 5, 1, 0; 1999 RP<sub>101</sub>, 7, 2, 7; 1999 RQ<sub>101</sub>, 17, 4, 28; 1999 RR<sub>101</sub>, 4, 1, 0; 1999 RG<sub>102</sub>, 21, 5, 68; 1999 RL<sub>102</sub>, 20, 4, 37; 1999 RN<sub>102</sub>, 12, 3, 5; 1999 RQ<sub>102</sub>, 22, 5, 59; 1999 RZ<sub>102</sub>, 16, 4, 14; 1999 RF<sub>103</sub>, 19, 4, 52; 1999 RH<sub>103</sub>, 10, 2, 5; 1999 RN<sub>103</sub>, 16, 4, 39; 1999 RX<sub>103</sub>, 13, 3, 34; 1999 RC<sub>104</sub>, 3, 1, 0; 1999 RD<sub>104</sub>, 26, 6, 59; 1999 RX<sub>104</sub>, 27, 6, 70; 1999 RL<sub>105</sub>, 6, 2, 2; 1999 RO<sub>105</sub>, 5, 1, 0; 1999 RP<sub>105</sub>, 9, 2, 6;

1999 RU<sub>105</sub>, 8, 2, 35; 1999 RV<sub>105</sub>, 12, 3, 60; 1999 RX<sub>105</sub>, 14, 3, 37; 1999 RU<sub>106</sub>, 26, 6, 38; 1999 RY<sub>106</sub>, 9, 2, 7; 1999 RG<sub>107</sub>, 7, 2, 3; 1999 RX<sub>107</sub>, 19, 4, 30; 1999 RD<sub>108</sub>, 5, 1, 0; 1999 RJ<sub>108</sub>, 25, 6, 62; 1999 RX<sub>108</sub>, 9, 2, 65; 1999 RF<sub>109</sub>, 18, 4, 10; 1999 RJ<sub>109</sub>, 12, 3, 11; 1999 RQ<sub>109</sub>, 28, 6, 65; 1999 RC<sub>110</sub>, 20, 5, 37; 1999 RL<sub>110</sub>, 9, 2, 1; 1999 RM<sub>110</sub>, 30, 7, 37; 1999 RO<sub>110</sub>, 9, 2, 11; 1999 RS<sub>110</sub>, 4, 1, 0; 1999 RV<sub>110</sub>, 19, 4, 38; 1999 RY<sub>110</sub>, 6, 2, 6; 1999 RZ<sub>110</sub>, 27, 6, 62; 1999 RA<sub>111</sub>, 10, 2, 8; 1999 RB<sub>111</sub>, 4, 1, 0; 1999 RN<sub>111</sub>, 9, 2, 33; 1999 RW<sub>111</sub>, 3, 1, 0; 1999 RA<sub>112</sub>, 34, 7, 31; 1999 RF<sub>112</sub>, 5, 1, 0; 1999 RY<sub>112</sub>, 8, 2, 6; 1999 RD<sub>113</sub>, 16, 4, 47; 1999 RK<sub>113</sub>, 8, 2, 10; 1999 RW<sub>113</sub>, 14, 3, 36; 1999 RU<sub>115</sub>, 20, 5, 36; 1999 RV<sub>117</sub>, 14, 3, 60; 1999 RX<sub>117</sub>, 20, 4, 29; 1999 RH<sub>118</sub>, 8, 2, 35; 1999 RM<sub>118</sub>, 23, 5, 65; 1999 RN<sub>118</sub>, 19, 4, 27; 1999 RP<sub>118</sub>, 24, 5, 35; 1999 RS<sub>118</sub>, 3, 1, 0; 1999 RT<sub>118</sub>, 5, 1, 0; 1999 RZ<sub>118</sub>, 4, 1, 0; 1999 RJ<sub>119</sub>, 22, 5, 1981; 1999 RR<sub>119</sub>, 7, 2, 30; 1999 RJ<sub>120</sub>, 17, 4, 37; 1999 RL<sub>121</sub>, 3, 1, 0; 1999 RG<sub>122</sub>, 18, 4, 34; 1999 RU<sub>122</sub>, 5, 1, 0; 1999 RG<sub>124</sub>, 30, 6, 66; 1999 RL<sub>124</sub>, 8, 2, 31; 1999 RM<sub>124</sub>, 12, 3, 9; 1999 RQ<sub>124</sub>, 7, 2, 33; 1999 RS<sub>124</sub>, 22, 5, 61; 1999 RT<sub>124</sub>, 4, 1, 0; 1999 RU<sub>124</sub>, 19, 4, 37; 1999 RB<sub>125</sub>, 8, 2, 3; 1999 RH<sub>125</sub>, 27, 5, 31; 1999 RT<sub>125</sub>, 9, 2, 7; 1999 RM<sub>126</sub>, 36, 8, 68; 1999 RM<sub>127</sub>, 8, 2, 38; 1999 RQ<sub>127</sub>, 13, 3, 38; 1999 RZ<sub>127</sub>, 7, 2, 19; 1999 RC<sub>128</sub>, 9, 2, 26; 1999 RJ<sub>129</sub>, 9, 2, 10; 1999 RM<sub>129</sub>, 4, 1, 0; 1999 RQ<sub>130</sub>, 14, 3, 30; 1999 RV<sub>130</sub>, 18, 4, 31; 1999 RZ<sub>130</sub>, 5, 1, 0; 1999 RC<sub>131</sub>, 4, 1, 0; 1999 RT<sub>131</sub>, 23, 5, 38; 1999 RX<sub>131</sub>, 9, 2, 23; 1999 RC<sub>132</sub>, 8, 2, 5; 1999 RQ<sub>132</sub>, 24, 6, 60; 1999 RB<sub>133</sub>, 16, 4, 62; 1999 RN<sub>133</sub>, 10, 3, 34; 1999 RZ<sub>133</sub>, 25, 6, 65; 1999 RE<sub>134</sub>, 10, 2, 33; 1999 RV<sub>134</sub>, 4, 1, 0; 1999 RX<sub>134</sub>, 11, 3, 39; 1999 RB<sub>135</sub>, 4, 1, 0; 1999 RR<sub>135</sub>, 19, 4, 35; 1999 RS<sub>135</sub>, 22, 5, 37; 1999 RW<sub>135</sub>, 23, 5, 36; 1999 RX<sub>135</sub>, 11, 3, 27; 1999 RL<sub>136</sub>, 3, 1, 0; 1999 RO<sub>136</sub>, 9, 2, 7; 1999 RU<sub>136</sub>, 14, 3, 27; 1999 RV<sub>136</sub>, 12, 3, 994; 1999 RW<sub>136</sub>, 5, 1, 0; 1999 RG<sub>137</sub>, 14, 3, 14; 1999 RU<sub>137</sub>, 22, 5, 35; 1999 RC<sub>138</sub>, 17, 4, 9; 1999 RK<sub>138</sub>, 4, 1, 0; 1999 RM<sub>138</sub>, 10, 2, 10; 1999 RN<sub>138</sub>, 5, 1, 0; 1999 RO<sub>138</sub>, 5, 1, 0; 1999 RJ<sub>138</sub>, 9, 2, 6; 1999 RJ<sub>139</sub>, 19, 5, 28; 1999 RL<sub>139</sub>, 22, 4, 27; 1999 RQ<sub>139</sub>, 5, 1, 0; 1999 RV<sub>140</sub>, 19, 4, 28; 1999 RM<sub>142</sub>, 13, 3, 10; 1999 RQ<sub>142</sub>, 11, 3, 8; 1999 RC<sub>143</sub>, 5, 1, 0; 1999 RK<sub>143</sub>, 15, 3, 11; 1999 RP<sub>144</sub>, 15, 3, 28; 1999 RE<sub>145</sub>, 4, 1, 0; 1999 RM<sub>145</sub>, 15, 3, 37; 1999 RS<sub>145</sub>, 13, 3, 31; 1999 RW<sub>145</sub>, 9, 3, 27; 1999 RN<sub>146</sub>, 11, 3, 27; 1999 RU<sub>147</sub>, 14, 3, 23; 1999 RY<sub>147</sub>, 9, 2, 14; 1999 RT<sub>149</sub>, 4, 1, 0; 1999 RU<sub>149</sub>, 9, 2, 1; 1999 RT<sub>150</sub>, 20, 5, 481; 1999 RV<sub>150</sub>, 13, 3, 37; 1999 RL<sub>152</sub>, 8, 2, 64; 1999 RR<sub>152</sub>, 18, 4, 37; 1999 RT<sub>152</sub>, 13, 3, 39; 1999 RY<sub>152</sub>, 11, 3, 23; 1999 RD<sub>153</sub>, 15, 3, 28; 1999 RS<sub>153</sub>, 18, 4, 32; 1999 RK<sub>154</sub>, 33, 7, 58; 1999 RE<sub>155</sub>, 21, 5, 57; 1999 RF<sub>155</sub>, 34, 8, 972; 1999 RZ<sub>155</sub>, 5, 1, 0; 1999 RB<sub>156</sub>, 12, 3, 27; 1999 RK<sub>156</sub>, 5, 1, 0; 1999 RL<sub>156</sub>, 18, 4, 29; 1999 RT<sub>156</sub>, 4, 1, 0; 1999 RJ<sub>157</sub>, 13, 3, 10; 1999 RV<sub>157</sub>, 9, 2, 33; 1999 RV<sub>157</sub>, 20, 5, 32; 1999 RG<sub>159</sub>, 5, 1, 0; 1999 RK<sub>159</sub>, 12, 3, 8; 1999 RJ<sub>160</sub>, 5, 1, 0; 1999 RQ<sub>160</sub>, 10, 2, 7; 1999 RG<sub>161</sub>, 25, 6, 67; 1999 RH<sub>161</sub>, 4, 1, 0; 1999 RK<sub>161</sub>, 9, 2, 25; 1999 RM<sub>161</sub>, 3, 1, 0; 1999 RZ<sub>161</sub>, 22, 5, 1924; 1999 RC<sub>162</sub>, 21, 5, 38; 1999 RP<sub>162</sub>, 19, 4, 62; 1999 RB<sub>163</sub>, 25, 6, 62; 1999 RF<sub>163</sub>, 4, 1, 0; 1999 RS<sub>163</sub>, 23, 5, 38; 1999 RY<sub>163</sub>, 3, 1, 0; 1999 RC<sub>164</sub>, 16, 4, 27; 1999 RN<sub>164</sub>, 29, 6, 32; 1999 RP<sub>164</sub>, 9, 2, 11; 1999 RZ<sub>164</sub>, 8, 2, 8; 1999 RH<sub>165</sub>, 16, 4, 28; 1999 RL<sub>165</sub>, 10, 3, 8; 1999 RN<sub>165</sub>, 4, 1, 0; 1999 RS<sub>165</sub>, 3, 1, 0; 1999 RV<sub>165</sub>, 15, 3, 10; 1999 RF<sub>166</sub>, 9, 2, 11; 1999 RK<sub>166</sub>, 12, 3, 33; 1999 RV<sub>166</sub>, 5, 1, 0; 1999 RX<sub>166</sub>, 17, 4, 27; 1999 RB<sub>167</sub>, 15, 3, 32; 1999 RX<sub>167</sub>, 5, 1, 0; 1999 RA<sub>168</sub>, 3, 1, 0; 1999 RE<sub>168</sub>, 19, 5, 38; 1999 RD<sub>169</sub>, 16, 3, 54; 1999 RL<sub>170</sub>, 5, 1, 0; 1999 RM<sub>170</sub>, 5, 1, 0; 1999 RQ<sub>170</sub>, 5, 1, 0; 1999 RW<sub>170</sub>, 9, 2, 21; 1999 RD<sub>171</sub>, 22, 5, 27; 1999 RQ<sub>171</sub>, 3, 1, 0; 1999 RT<sub>171</sub>, 4, 1, 0; 1999 RT<sub>171</sub>, 18, 4, 27; 1999 RK<sub>172</sub>, 4, 1, 0; 1999 RO<sub>172</sub>, 13, 3, 14; 1999 RU<sub>173</sub>, 8, 2, 31; 1999 RT<sub>174</sub>, 17, 4, 10; 1999 RU<sub>174</sub>, 8, 2, 3; 1999 RG<sub>175</sub>, 3, 1, 0; 1999 RB<sub>176</sub>, 3, 1, 0; 1999 RO<sub>176</sub>, 8, 2, 6; 1999 RR<sub>176</sub>, 13, 3, 9; 1999 RY<sub>176</sub>, 5, 1, 0; 1999 RF<sub>177</sub>, 4, 1, 0; 1999 RO<sub>177</sub>, 3, 1, 0; 1999 RA<sub>178</sub>, 38, 9, 67; 1999 RC<sub>178</sub>, 13, 3, 9; 1999 RU<sub>178</sub>, 28, 6, 67; 1999 RE

1999 RD<sub>210</sub>, 8, 2, 10; 1999 RN<sub>210</sub>, 4, 1, 0; 1999 RT<sub>210</sub>, 3, 1, 0; 1999 RV<sub>210</sub>, 23, 5, 28; 1999 RC<sub>211</sub>, 23, 4, 35; 1999 RN<sub>211</sub>, 19, 4, 37; 1999 RB<sub>212</sub>, 31, 7, 62; 1999 RJ<sub>212</sub>, 7, 2, 35; 1999 RL<sub>212</sub>, 4, 1, 0; 1999 RQ<sub>212</sub>, 7, 2, 28; 1999 RB<sub>212</sub>, 13, 3, 33; 1999 RW<sub>212</sub>, 9, 2, 4; 1999 RA<sub>213</sub>, 7, 2, 36; 1999 RC<sub>213</sub>, 20, 4, 28; 1999 RF<sub>214</sub>, 3, 1, 0; 1999 RK<sub>214</sub>, 8, 2, 3; 1999 RM<sub>217</sub>, 12, 3, 17; 1999 RD<sub>218</sub>, 19, 4, 47; 1999 RC<sub>219</sub>, 3, 1, 0; 1999 RQ<sub>219</sub>, 32, 7, 71; 1999 RG<sub>220</sub>, 27, 6, 66; 1999 RL<sub>221</sub>, 28, 6, 66; 1999 RT<sub>221</sub>, 9, 2, 10; 1999 RD<sub>224</sub>, 10, 1, 0; 1999 RQ<sub>225</sub>, 9, 2, 27; 1999 RC<sub>226</sub>, 4, 1, 0; 1999 RE<sub>226</sub>, 16, 4, 40; 1999 RY<sub>227</sub>, 9, 2, 8; 1999 RE<sub>229</sub>, 6, 2, 2; 1999 RW<sub>229</sub>, 9, 2, 31; 1999 RN<sub>230</sub>, 4, 1, 0; 1999 RP<sub>230</sub>, 28, 6, 1956; 1999 RL<sub>231</sub>, 8, 2, 31; 1999 RN<sub>232</sub>, 5, 1, 0; 1999 RQ<sub>233</sub>, 4, 1, 0; 1999 RG<sub>234</sub>, 5, 1, 0; 1999 RO<sub>234</sub>, 5, 1, 0; 1999 RW<sub>235</sub>, 5, 1, 0; 1999 RD<sub>236</sub>, 4, 1, 0; 1999 RM<sub>237</sub>, 24, 6, 64; 1999 RP<sub>237</sub>, 8, 2, 11; 1999 RV<sub>237</sub>, 6, 2, 37; 1999 RJ<sub>238</sub>, 5, 1, 0; 1999 RK<sub>238</sub>, 5, 1, 0; 1999 RL<sub>238</sub>, 15, 3, 10; 1999 RM<sub>238</sub>, 14, 3, 9; 1999 RQ<sub>238</sub>, 4, 1, 0; 1999 RH<sub>239</sub>, 10, 2, 3; 1999 RD<sub>240</sub>, 5, 1, 0; 1999 RF<sub>240</sub>, 14, 3, 8; 1999 RW<sub>240</sub>, 5, 1, 0; 1999 RG<sub>241</sub>, 9, 2, 8; 1999 RH<sub>241</sub>, 5, 1, 0; 1999 RV<sub>241</sub>, 3, 1, 0; 1999 RJ<sub>242</sub>, 5, 1, 0; 1999 RY<sub>242</sub>, 5, 1, 0; 1999 RK<sub>244</sub>, 5, 1, 0; 1999 RE<sub>246</sub>, 20, 4, 64; 1999 RN<sub>246</sub>, 5, 1, 0; 1999 RO<sub>246</sub>, 14, 3, 27; 1999 RZ<sub>248</sub>, 13, 3, 8; 1999 RQ<sub>252</sub>, 17, 4, 54; 1999 RX<sub>252</sub>, 18, 4, 32; 1999 RC<sub>253</sub>, 27, 6, 38; 1999 RG<sub>255</sub>, 3, 1, 0; 1999 RA<sub>258</sub>, 3, 1, 0; 1999 RB<sub>258</sub>, 3, 1, 0; 1999 RH<sub>258</sub>, 26, 6, 67; 1999 SE<sub>1</sub>, 12, 3, 8; 1999 SH<sub>1</sub>, 8, 2, 4; 1999 SQ<sub>1</sub>, 11, 3, 37; 1999 SY<sub>1</sub>, 5, 1, 0; 1999 SO<sub>2</sub>, 10, 2, 33; 1999 SD<sub>3</sub>, 19, 4, 35; 1999 SE<sub>3</sub>, 9, 2, 17; 1999 SF<sub>3</sub>, 14, 3, 34; 1999 SR<sub>3</sub>, 42, 8, 63; 1999 SM<sub>4</sub>, 15, 3, 9; 1999 SV<sub>4</sub>, 5, 1, 0; 1999 SD<sub>6</sub>, 10, 2, 9; 1999 SF<sub>6</sub>, 6, 2, 11; 1999 SE<sub>7</sub>, 5, 1, 0; 1999 SS<sub>9</sub>, 4, 1, 0; 1999 SC<sub>11</sub>, 3, 1, 0; 1999 SJ<sub>11</sub>, 20, 3, 9; 1999 SV<sub>11</sub>, 9, 2, 25; 1999 SF<sub>12</sub>, 21, 5, 64; 1999 SQ<sub>12</sub>, 7, 2, 4; 1999 SM<sub>13</sub>, 18, 3, 10; 1999 SN<sub>13</sub>, 22, 5, 498; 1999 SC<sub>15</sub>, 3, 1, 0; 1999 SJ<sub>15</sub>, 8, 2, 32; 1999 SS<sub>16</sub>, 10, 2, 9; 1999 SC<sub>17</sub>, 4, 1, 0; 1999 SE<sub>17</sub>, 8, 2, 12; 1999 SF<sub>17</sub>, 5, 1, 0; 1999 SV<sub>17</sub>, 19, 4, 37; 1999 SC<sub>19</sub>, 4, 1, 0; 1999 SD<sub>19</sub>, 3, 1, 0; 1999 SA<sub>20</sub>, 25, 3, 9; 1999 ST<sub>21</sub>, 7, 2, 33; 1999 SD<sub>22</sub>, 5, 1, 0; 1999 ST<sub>26</sub>, 12, 3, 30; 1999 SE<sub>27</sub>, 5, 1, 0; 1999 SY<sub>27</sub>, 12, 3, 27; 1999 TJ<sub>1</sub>, 13, 3, 32; 1999 TL<sub>1</sub>, 16, 4, 449; 1999 TY<sub>1</sub>, 5, 1, 0; 1999 TC<sub>2</sub>, 3, 1, 0; 1999 TH<sub>2</sub>, 17, 4, 38; 1999 TM<sub>2</sub>, 4, 1, 0; 1999 TD<sub>3</sub>, 4, 1, 0; 1999 TS<sub>3</sub>, 10, 2, 7; 1999 TH<sub>4</sub>, 20, 3, 37; 1999 TL<sub>4</sub>, 5, 1, 0; 1999 TM<sub>4</sub>, 25, 6, 59; 1999 TW<sub>4</sub>, 22, 5, 930; 1999 TX<sub>4</sub>, 8, 2, 1; 1999 TT<sub>5</sub>, 3, 1, 0; 1999 TK<sub>6</sub>, 12, 3, 9; 1999 TX<sub>6</sub>, 5, 1, 0; 1999 TE<sub>7</sub>, 14, 3, 10; 1999 TW<sub>7</sub>, 13, 3, 921; 1999 TF<sub>8</sub>, 16, 4, 934; 1999 TV<sub>8</sub>, 17, 4, 28; 1999 TB<sub>9</sub>, 6, 2, 34; 1999 TC<sub>9</sub>, 20, 5, 32; 1999 TL<sub>9</sub>, 10, 1, 0; 1999 TV<sub>9</sub>, 9, 2, 2; 1999 TE<sub>10</sub>, 4, 1, 0; 1999 TD<sub>11</sub>, 5, 1, 0; 1999 TB<sub>13</sub>, 27, 6, 64; 1999 TR<sub>13</sub>, 15, 3, 10; 1999 TY<sub>13</sub>, 8, 2, 8; 1999 TB<sub>14</sub>, 11, 3, 10; 1999 TE<sub>15</sub>, 5, 1, 0; 1999 TR<sub>15</sub>, 12, 3, 8; 1999 TG<sub>16</sub>, 4, 1, 0; 1999 TJ<sub>16</sub>, 3, 1, 0; 1999 TE<sub>17</sub>, 9, 2, 523; 1999 TJ<sub>17</sub>, 20, 4, 34; 1999 TM<sub>17</sub>, 4, 1, 0; 1999 TU<sub>17</sub>, 12, 3, 29; 1999 TB<sub>18</sub>, 12, 3, 37; 1999 TQ<sub>18</sub>, 18, 3, 10; 1999 TC<sub>19</sub>, 12, 3, 61; 1999 TH<sub>19</sub>, 5, 1, 0; 1999 TJ<sub>19</sub>, 13, 3, 26; 1999 TC<sub>20</sub>, 5, 1, 0; 1999 TM<sub>20</sub>, 13, 3, 9; 1999 TZ<sub>20</sub>, 20, 4, 6; 1999 TD<sub>21</sub>, 3, 1, 0; 1999 TA<sub>24</sub>, 4, 1, 0; 1999 TO<sub>25</sub>, 13, 3, 37; 1999 TF<sub>26</sub>, 23, 5, 32; 1999 TQ<sub>26</sub>, 3, 1, 0; 1999 TT<sub>26</sub>, 5, 1, 0; 1999 TG<sub>27</sub>, 5, 1, 0; 1999 TS<sub>27</sub>, 4, 1, 0; 1999 TU<sub>27</sub>, 5, 1, 0; 1999 TY<sub>27</sub>, 5, 1, 0; 1999 TZ<sub>27</sub>, 4, 1, 0; 1999 TM<sub>28</sub>, 18, 4, 29; 1999 TR<sub>28</sub>, 17, 4, 1918; 1999 TB<sub>29</sub>, 26, 6, 65; 1999 TD<sub>29</sub>, 18, 4, 27; 1999 TE<sub>29</sub>, 5, 1, 0; 1999 TG<sub>29</sub>, 10, 2, 33; 1999 TL<sub>29</sub>, 13, 3, 8; 1999 TO<sub>29</sub>, 12, 3, 10; 1999 TP<sub>29</sub>, 8, 2, 9; 1999 TX<sub>29</sub>, 16, 4, 9; 1999 TN<sub>30</sub>, 16, 4, 35; 1999 TS<sub>30</sub>, 13, 3, 7; 1999 TU<sub>31</sub>, 5, 1, 0; 1999 TA<sub>32</sub>, 4, 1, 0; 1999 TB<sub>32</sub>, 5, 1, 0; 1999 TS<sub>32</sub>, 24, 5, 10; 1999 TA<sub>33</sub>, 14, 3, 8; 1999 TG<sub>33</sub>, 14, 3, 9; 1999 TN<sub>33</sub>, 22, 5, 69; 1999 TQ<sub>33</sub>, 15, 3, 9; 1999 TC<sub>34</sub>, 10, 2, 6; 1999 TF<sub>34</sub>, 7, 2, 10; 1999 TH<sub>34</sub>, 12, 3, 9; 1999 TM<sub>34</sub>, 5, 1, 0; 1999 TU<sub>34</sub>, 7, 2, 23; 1999 TH<sub>35</sub>, 4, 1, 0; 1999 TL<sub>35</sub>, 6, 1, 0; 1999 TM<sub>35</sub>, 4, 1, 0; 1999 TP<sub>35</sub>, 3, 1, 0; 1999 TR<sub>35</sub>, 20, 5, 34; 1999 TS<sub>35</sub>, 8, 2, 10; 1999 TE<sub>36</sub>, 14, 3, 26; 1999 TJ<sub>36</sub>, 20, 4, 50; 1999 TO<sub>36</sub>, 5, 1, 0; 1999 TY<sub>36</sub>, 22, 5, 36; 1999 TA<sub>37</sub>, 18, 3, 10; 1999 TC<sub>37</sub>, 5, 1, 0; 1999 TH<sub>37</sub>, 5, 1, 0; 1999 TT<sub>37</sub>, 17, 4, 29; 1999 TX<sub>37</sub>, 15, 3, 28; 1999 TC<sub>38</sub>, 4, 1, 0; 1999 TJ<sub>38</sub>, 9, 2, 29; 1999 TY<sub>38</sub>, 3, 1, 0; 1999 TG<sub>39</sub>, 10, 2, 7; 1999 TY<sub>39</sub>, 10, 2, 20; 1999 TZ<sub>40</sub>, 25, 3, 9; 1999 TH<sub>41</sub>, 8, 2, 26; 1999 TU<sub>41</sub>, 11, 3, 27; 1999 TX<sub>43</sub>, 9, 2, 6; 1999 TU<sub>45</sub>, 8, 2, 28; 1999 TA<sub>46</sub>, 9, 2, 21; 1999 TA<sub>49</sub>, 4, 1, 0; 1999 TT<sub>49</sub>, 19, 4, 11; 1999 TW<sub>50</sub>, 5, 1, 0; 1999 TJ<sub>52</sub>, 9, 2, 19; 1999 TU<sub>52</sub>, 20, 5, 62; 1999 TV<sub>52</sub>, 10, 2, 3; 1999 TC<sub>53</sub>, 5, 1, 0; 1999 TM<sub>53</sub>, 13, 3, 10; 1999 TG<sub>63</sub>, 3, 1, 0; 1999 TH<sub>63</sub>, 5, 1, 0; 1999 TB<sub>65</sub>, 3, 1, 0; 1999 TW<sub>66</sub>, 8, 2, 8; 1999 TY<sub>68</sub>, 5, 1, 0; 1999 TF<sub>69</sub>, 5, 1, 0; 1999 TL<sub>69</sub>, 3, 1, 0; 1999 TB<sub>70</sub>, 23, 5, 32; 1999 TM<sub>70</sub>, 3, 1, 0; 1999 TF<sub>72</sub>, 10, 3, 37; 1999 TK<sub>72</sub>, 3, 1, 0; 1999 TQ<sub>72</sub>, 11, 3, 10; 1999 TZ<sub>72</sub>, 7, 2, 27; 1999 TK<sub>75</sub>, 5, 1, 0; 1999 TF<sub>78</sub>, 3, 1, 0; 1999 TT<sub>78</sub>, 5, 1, 0; 1999 TX<sub>80</sub>, 4, 1, 0; 1999 TW<sub>82</sub>, 9, 2, 6; 1999 TB<sub>85</sub>, 13, 3, 32; 1999 TC<sub>85</sub>, 29, 5, 37; 1999 TN<sub>86</sub>, 12, 4, 38; 1999 TJ<sub>88</sub>, 4, 1, 0; 1999 TL<sub>89</sub>, 4, 1, 0; 1999 TN<sub>89</sub>, 4, 1, 0; 1999 TU<sub>91</sub>, 15, 4, 37; 1999 TM<sub>92</sub>, 22, 5, 28; 1999 TY<sub>92</sub>, 9, 2, 6; 1999 TF<sub>93</sub>, 7, 2, 3; 1999 TG<sub>93</sub>, 20, 4, 32; 1999 TN<sub>93</sub>, 4, 1, 0; 1999 TY<sub>93</sub>, 23, 5, 28; 1999 TN<sub>94</sub>, 9, 2, 7; 1999 TZ<sub>95</sub>, 13, 3, 10; 1999 TM<sub>96</sub>, 9, 1, 0; 1999 TT<sub>96</sub>, 11, 3, 37; 1999 TB<sub>97</sub>, 5, 1, 0; 1999 TG<sub>97</sub>, 13, 3, 9; 1999 TJ<sub>97</sub>, 3, 1, 0; 1999 TO<sub>97</sub>, 13, 3, 8; 1999 TR<sub>97</sub>, 15, 3, 9; 1999 TA<sub>98</sub>, 3, 1, 0; 1999 TF<sub>99</sub>, 4, 1, 0; 1999 TH<sub>99</sub>, 13, 3, 1898; 1999 TQ<sub>99</sub>, 13, 3, 9; 1999 TR<sub>99</sub>, 13, 3, 10; 1999 TS<sub>99</sub>, 8, 2, 31; 1999 TU<sub>99</sub>, 16, 2, 3; 1999 TZ<sub>99</sub>, 21, 5, 57; 1999 TT<sub>100</sub>, 9, 2, 3; 1999 TU<sub>100</sub>, 3, 1, 0; 1999 TA<sub>101</sub>, 5, 1, 0; 1999 TC<sub>101</sub>, 4, 1, 0; 1999 TX<sub>101</sub>, 3, 1, 0; 1999 TZ<sub>101</sub>, 5, 1, 0; 1999 TB<sub>102</sub>, 31, 7, 67; 1999 TK<sub>102</sub>, 15, 3, 84; 1999 TP<sub>102</sub>, 8, 2, 32; 1999 TX<sub>102</sub>, 15, 3, 9; 1999 TY<sub>102</sub>, 14, 3, 8; 1999 TB<sub>103</sub>, 3, 1, 0; 1999 TC<sub>103</sub>, 5, 1, 0; 1999 TD<sub>103</sub>, 3, 1, 0; 1999 TF<sub>103</sub>, 18, 4, 27; 1999 TL<sub>103</sub>, 5, 1, 0; 1999 TO<sub>103</sub>, 3, 1, 0; 1999 TP<sub>103</sub>, 19, 4, 11; 1999 TC<sub>104</sub>, 7, 2, 1; 1999 TN<sub>104</sub>, 4, 1, 0; 1999 TU<sub>104</sub>, 8, 2, 21; 1999 TG<sub>105</sub>, 17, 4, 32; 1999 TL<sub>105</sub>, 5, 1, 0; 1999 TU<sub>105</sub>, 22, 5, 36; 1999 TG<sub>106</sub>, 4, 1, 0; 1999 TH<sub>106</sub>, 24, 5, 57; 1999 TL<sub>106</sub>, 8, 2, 2; 1999 TU<sub>106</sub>, 14, 3, 31; 1999 TY<sub>106</sub>, 10, 2, 25; 1999 TC<sub>107</sub>, 11, 3, 34; 1999 TE<sub>107</sub>, 15, 4, 68; 1999 TN<sub>107</sub>, 28, 6, 61; 1999 TD<sub>108</sub>, 11, 3, 23; 1999 TJ<sub>108</sub>, 33, 8, 67; 1999 TM<sub>108</sub>, 22, 5, 924; 1999 TX<sub>108</sub>, 13, 3, 10; 1999 TZ<sub>108</sub>, 21, 4, 72; 1999 TH<sub>109</sub>, 24, 5, 61; 1999 TG<sub>110</sub>, 18, 3, 31; 1999 TH<sub>110</sub>, 16, 4, 58;

1999 TN<sub>110</sub>, 17, 4, 64; 1999 TT<sub>110</sub>, 4, 1, 0; 1999 TV<sub>110</sub>, 5, 1, 0; 1999 TF<sub>111</sub>, 6, 2, 2; 1999 TH<sub>111</sub>, 7, 2, 37; 1999 TM<sub>111</sub>, 28, 6, 35; 1999 TN<sub>111</sub>, 8, 2, 5; 1999 TU<sub>111</sub>, 4, 1, 0; 1999 TW<sub>111</sub>, 12, 3, 29; 1999 TM<sub>112</sub>, 4, 1, 0; 1999 TD<sub>113</sub>, 28, 6, 65; 1999 TG<sub>113</sub>, 28, 6, 62; 1999 TO<sub>113</sub>, 14, 3, 30; 1999 TV<sub>113</sub>, 12, 3, 27; 1999 TS<sub>114</sub>, 17, 4, 10; 1999 TV<sub>114</sub>, 8, 2, 9; 1999 TX<sub>114</sub>, 13, 3, 8; 1999 TD<sub>115</sub>, 14, 3, 9; 1999 TQ<sub>115</sub>, 14, 3, 36; 1999 TV<sub>115</sub>, 3, 1, 0; 1999 TX<sub>115</sub>, 26, 5, 62; 1999 TF<sub>116</sub>, 8, 2, 11; 1999 TZ<sub>116</sub>, 13, 3, 9; 1999 TG<sub>117</sub>, 13, 3, 7; 1999 TJ<sub>117</sub>, 4, 1, 0; 1999 TL<sub>117</sub>, 3, 1, 0; 1999 TB<sub>118</sub>, 17, 4, 37; 1999 TR<sub>118</sub>, 16, 4, 28; 1999 TF<sub>119</sub>, 14, 3, 34; 1999 TR<sub>119</sub>, 15, 3, 9; 1999 TT<sub>119</sub>, 14, 3, 9; 1999 TY<sub>119</sub>, 4, 1, 0; 1999 TD<sub>120</sub>, 14, 3, 9; 1999 TJ<sub>120</sub>, 13, 3, 31; 1999 TK<sub>120</sub>, 19, 4, 9; 1999 TM<sub>120</sub>, 29, 6, 35; 1999 TD<sub>121</sub>, 3, 1, 0; 1999 TP<sub>121</sub>, 17, 4, 11; 1999 TU<sub>121</sub>, 12, 3, 6; 1999 TB<sub>122</sub>, 4, 1, 0; 1999 TC<sub>122</sub>, 8, 2, 7; 1999 TD<sub>122</sub>, 13, 3, 12; 1999 TE<sub>122</sub>, 10, 2, 19; 1999 TG<sub>122</sub>, 13, 3, 9; 1999 TQ<sub>122</sub>, 33, 7, 68; 1999 TR<sub>122</sub>, 15, 3, 11; 1999 TS<sub>122</sub>, 5, 1, 0; 1999 TW<sub>122</sub>, 5, 1, 0; 1999 TY<sub>122</sub>, 12, 3, 39; 1999 TP<sub>123</sub>, 10, 3, 28; 1999 TW<sub>124</sub>, 9, 2, 3; 1999 TZ<sub>124</sub>, 3, 1, 0; 1999 TV<sub>125</sub>, 19, 5, 9; 1999 TD<sub>126</sub>, 7, 2, 5; 1999 TJ<sub>126</sub>, 6, 2, 505; 1999 TQ<sub>126</sub>, 4, 1, 0; 1999 TK<sub>127</sub>, 19, 4, 11; 1999 TL<sub>127</sub>, 8, 2, 11; 1999 TM<sub>127</sub>, 11, 3, 9; 1999 TO<sub>127</sub>, 3, 1, 0; 1999 TU<sub>127</sub>, 13, 3, 8; 1999 TB<sub>128</sub>, 4, 1, 0; 1999 TM<sub>128</sub>, 15, 3, 25; 1999 TO<sub>128</sub>, 5, 1, 0; 1999 TW<sub>128</sub>, 6, 2, 7; 1999 TF<sub>129</sub>, 22, 5, 68; 1999 TH<sub>129</sub>, 3, 1, 0; 1999 TS<sub>129</sub>, 4, 1, 0; 1999 TZ<sub>129</sub>, 3, 1, 0; 1999 TJ<sub>131</sub>, 9, 2, 6; 1999 TF<sub>134</sub>, 4, 1, 0; 1999 TP<sub>134</sub>, 4, 1, 0; 1999 TM<sub>135</sub>, 8, 2, 2; 1999 TQ<sub>136</sub>, 9, 2, 31; 1999 TK<sub>138</sub>, 9, 2, 7; 1999 TD<sub>139</sub>, 8, 2, 9; 1999 TO<sub>139</sub>, 3, 1, 0; 1999 TA<sub>140</sub>, 3, 1, 0; 1999 TB<sub>140</sub>, 12, 3, 7; 1999 TS<sub>140</sub>, 5, 1, 0; 1999 TW<sub>140</sub>, 13, 3, 9; 1999 TF<sub>141</sub>, 5, 1, 0; 1999 TD<sub>143</sub>, 7, 2, 10; 1999 TJ<sub>143</sub>, 6, 2, 6; 1999 TK<sub>144</sub>, 5, 1, 0; 1999 TV<sub>144</sub>, 12, 3, 9; 1999 TB<sub>145</sub>, 10, 2, 8; 1999 TK<sub>145</sub>, 4, 1, 0; 1999 TQ<sub>146</sub>, 7, 2, 31; 1999 TH<sub>147</sub>, 15, 3, 9; 1999 TP<sub>147</sub>, 3, 1, 0; 1999 TM<sub>148</sub>, 5, 1, 0; 1999 TD<sub>149</sub>, 4, 1, 0; 1999 TJ<sub>149</sub>, 23, 5, 30; 1999 TZ<sub>149</sub>, 5, 1, 0; 1999 TN<sub>151</sub>, 13, 3, 33; 1999 TY<sub>151</sub>, 9, 2, 32; 1999 TH<sub>152</sub>, 18, 4, 28; 1999 TL<sub>152</sub>, 6, 2, 30; 1999 TZ<sub>152</sub>, 5, 1, 0; 1999 TA<sub>153</sub>, 4, 1, 0; 1999 TU<sub>153</sub>, 7, 2, 10; 1999 TZ<sub>153</sub>, 12, 3, 8; 1999 TY<sub>153</sub>, 5, 1, 0; 1999 TZ<sub>153</sub>, 9, 2, 6; 1999 TW<sub>154</sub>, 5, 1, 0; 1999 TZ<sub>155</sub>, 14, 3, 35; 1999 TM<sub>156</sub>, 7, 2, 6; 1999 TP<sub>156</sub>, 3, 1, 0; 1999 TE<sub>157</sub>, 5, 1, 0; 1999 TF<sub>157</sub>, 3, 1, 0; 1999 TH<sub>157</sub>, 9, 2, 6; 1999 TM<sub>158</sub>, 9, 2, 6; 1999 TQ<sub>159</sub>, 3, 1, 0; 1999 TR<sub>161</sub>, 3, 1, 0; 1999 TP<sub>162</sub>, 12, 3, 1416; 1999 TF<sub>164</sub>, 12, 3, 10; 1999 TL<sub>164</sub>, 4, 1, 0; 1999 TZ<sub>164</sub>, 9, 2, 26; 1999 TA<sub>166</sub>, 9, 2, 10; 1999 TD<sub>167</sub>, 4, 1, 0; 1999 TB<sub>168</sub>, 9, 2, 7; 1999 TU<sub>168</sub>, 8, 2, 3; 1999 TH<sub>169</sub>, 17, 4, 28; 1999 TY<sub>169</sub>, 4, 1, 0; 1999 TE<sub>170</sub>, 8, 2, 8; 1999 TP<sub>170</sub>, 9, 2, 9; 1999 TG<sub>170</sub>, 7, 2, 6; 1999 TU<sub>171</sub>, 4, 1, 0; 1999 TG<sub>172</sub>, 4, 1, 0; 1999 TA<sub>173</sub>, 9, 2, 6; 1999 TO<sub>173</sub>, 5, 1, 0; 1999 TQ<sub>173</sub>, 5, 1, 0; 1999 TY<sub>173</sub>, 4, 1, 0; 1999 TZ<sub>173</sub>, 13, 4, 27; 1999 TT<sub>175</sub>, 5, 1, 0; 1999 TD<sub>177</sub>, 11, 3, 8; 1999 TE<sub>177</sub>, 5, 1, 0; 1999 TR<sub>177</sub>, 14, 3, 38; 1999 TH<sub>178</sub>, 4, 1, 0; 1999 TE<sub>179</sub>, 10, 2, 7; 1999 TT<sub>180</sub>, 8, 2, 3; 1999 TC<sub>181</sub>, 20, 4, 27; 1999 TB<sub>182</sub>, 4, 1, 0; 1999 TE<sub>182</sub>, 4, 1, 0; 1999 TS<sub>183</sub>, 9, 2, 1; 1999 TZ<sub>183</sub>, 8, 2, 68; 1999 TE<sub>184</sub>, 4, 1, 0; 1999 TM<sub>184</sub>, 28, 6, 66; 1999 TO<sub>184</sub>, 31, 7, 38; 1999 TP<sub>184</sub>, 7, 2, 64; 1999 TV<sub>184</sub>, 19, 6, 941; 1999 TZ<sub>184</sub>, 25, 5, 32; 1999 TK<sub>185</sub>, 9, 2, 7; 1999 TO<sub>185</sub>, 6, 2, 26; 1999 TP<sub>185</sub>, 10, 2, 2; 1999 TQ<sub>185</sub>, 10, 2, 30; 1999 TR<sub>185</sub>, 4, 1, 0; 1999 TU<sub>185</sub>, 21, 5, 29; 1999 TV<sub>185</sub>, 7, 2, 28; 1999 TA<sub>186</sub>, 3, 1, 0; 1999 TC<sub>186</sub>, 5, 1, 0; 1999 TR<sub>186</sub>, 4, 1, 0; 1999 TC<sub>187</sub>, 9, 1, 0; 1999 TE<sub>187</sub>, 14, 3, 37; 1999 TF<sub>187</sub>, 4, 1, 0; 1999 TR<sub>187</sub>, 22, 5, 32; 1999 TC<sub>188</sub>, 15, 3, 11; 1999 TG<sub>188</sub>, 5, 1, 0; 1999 TK<sub>188</sub>, 4, 1, 0; 1999 TA<sub>189</sub>, 3, 1, 0; 1999 TG<sub>189</sub>, 14, 3, 12; 1999 TP<sub>189</sub>, 4, 1, 0; 1999 TZ<sub>189</sub>, 25, 6, 66; 1999 TC<sub>190</sub>, 9, 2, 11; 1999 TD<sub>190</sub>, 22, 4, 37; 1999 TE<sub>190</sub>, 30, 7, 69; 1999 TR<sub>190</sub>, 4, 1, 0; 1999 TJ<sub>191</sub>, 14, 3, 30; 1999 TJ<sub>192</sub>, 15, 3, 8; 1999 TO<sub>192</sub>, 3, 1, 0; 1999 TB<sub>193</sub>, 12, 3, 10; 1999 TD<sub>193</sub>, 9, 2, 9; 1999 TF<sub>193</sub>, 16, 4, 37; 1999 TK<sub>193</sub>, 3, 1, 0; 1999 TN<sub>193</sub>, 8, 2, 36; 1999 TV<sub>193</sub>, 4, 1, 0; 1999 TF<sub>194</sub>, 12, 3, 21; 1999 TL<sub>194</sub>, 9, 2, 23; 1999 TT<sub>194</sub>, 8, 2, 18; 1999 TB<sub>195</sub>, 21, 5, 37; 1999 TX<sub>1</sub>



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1999 TV<sub>248</sub>, 4, 1, 0; 1999 TY<sub>248</sub>, 8, 2, 62; 1999 TZ<sub>248</sub>, 4, 1, 0; 1999 TB<sub>249</sub>, 3, 1, 0; 1999 TP<sub>249</sub>, 22, 5, 12; 1999 TD<sub>252</sub>, 12, 3, 28; 1999 TP<sub>254</sub>, 5, 1, 0; 1999 TJ<sub>256</sub>, 21, 5, 29; 1999 TK<sub>256</sub>, 9, 2, 24; 1999 TS<sub>256</sub>, 5, 1, 0; 1999 TF<sub>257</sub>, 3, 1, 0; 1999 TD<sub>259</sub>, 4, 1, 0; 1999 TO<sub>259</sub>, 8, 2, 26; 1999 TB<sub>260</sub>, 4, 1, 0; 1999 TV<sub>260</sub>, 5, 1, 0; 1999 TZ<sub>260</sub>, 7, 2, 6; 1999 TQ<sub>262</sub>, 8, 2, 19; 1999 TR<sub>262</sub>, 9, 2, 2; 1999 TS<sub>262</sub>, 34, 7, 70; 1999 TA<sub>265</sub>, 16, 4, 30; 1999 TL<sub>265</sub>, 17, 4, 29; 1999 TQ<sub>265</sub>, 12, 3, 63; 1999 TY<sub>265</sub>, 3, 1, 0; 1999 TZ<sub>265</sub>, 4, 1, 0; 1999 TB<sub>266</sub>, 10, 2, 30; 1999 TG<sub>267</sub>, 5, 1, 0; 1999 TT<sub>267</sub>, 3, 1, 0; 1999 TU<sub>267</sub>, 18, 4, 27; 1999 TW<sub>267</sub>, 5, 1, 0; 1999 TG<sub>268</sub>, 12, 3, 34; 1999 TN<sub>269</sub>, 27, 5, 28; 1999 TD<sub>270</sub>, 13, 3, 39; 1999 TF<sub>270</sub>, 22, 5, 60; 1999 TJ<sub>270</sub>, 13, 3, 32; 1999 TL<sub>270</sub>, 8, 2, 36; 1999 TB<sub>271</sub>, 4, 1, 0; 1999 TG<sub>271</sub>, 16, 4, 37; 1999 TH<sub>271</sub>, 10, 3, 125; 1999 TM<sub>271</sub>, 9, 2, 57; 1999 TH<sub>272</sub>, 14, 3, 11; 1999 TW<sub>272</sub>, 13, 3, 10; 1999 TD<sub>273</sub>, 5, 1, 0; 1999 TQ<sub>273</sub>, 14, 3, 31; 1999 TG<sub>279</sub>, 14, 3, 10; 1999 TJ<sub>279</sub>, 4, 1, 0; 1999 TZ<sub>280</sub>, 17, 4, 31; 1999 TE<sub>281</sub>, 13, 3, 27; 1999 TR<sub>282</sub>, 9, 2, 8; 1999 TG<sub>284</sub>, 9, 2, 9; 1999 TU<sub>284</sub>, 11, 3, 28; 1999 TX<sub>284</sub>, 5, 1, 0; 1999 TF<sub>287</sub>, 7, 2, 19; 1999 TB<sub>288</sub>, 3, 1, 0; 1999 TD<sub>288</sub>, 10, 3, 32; 1999 TO<sub>288</sub>, 5, 1, 0; 1999 TV<sub>288</sub>, 5, 1, 0; 1999 TX<sub>288</sub>, 17, 4, 28; 1999 TM<sub>289</sub>, 14, 3, 10; 1999 TT<sub>289</sub>, 14, 2, 6; 1999 TT<sub>290</sub>, 3, 1, 0; 1999 TZ<sub>290</sub>, 24, 5, 35; 1999 TC<sub>291</sub>, 4, 1, 0; 1999 TR<sub>291</sub>, 8, 2, 13; 1999 TR<sub>292</sub>, 3, 1, 0; 1999 TA<sub>300</sub>, 16, 4, 38; 1999 TR<sub>305</sub>, 12, 3, 37; 1999 TX<sub>308</sub>, 7, 2, 30; 1999 TV<sub>309</sub>, 5, 1, 0; 1999 TZ<sub>309</sub>, 25, 6, 27; 1999 TR<sub>312</sub>, 3, 1, 0; 1999 TB<sub>320</sub>, 7, 2, 2; 1999 TE<sub>320</sub>, 4, 1, 0; 1999 TY<sub>321</sub>, 4, 1, 0; 1999 TA<sub>323</sub>, 4, 1, 0; 1999 TD<sub>328</sub>, 3, 1, 0; 1999 UK<sub>14</sub>, 13, 4, 36; 1999 UU<sub>4</sub>, 4, 1, 0; 1999 UV<sub>3</sub>, 3, 1, 0; 1999 UJ<sub>1</sub>, 4, 1, 0; 1999 UQ<sub>1</sub>, 13, 3, 52; 1999 UA<sub>2</sub>, 15, 3, 10; 1999 UW<sub>2</sub>, 3, 1, 0; 1999 US<sub>3</sub>, 9, 2, 24; 1999 UV<sub>3</sub>, 8, 2, 19; 1999 UW<sub>3</sub>, 8, 2, 8; 1999 UF<sub>4</sub>, 13, 4, 27; 1999 UM<sub>4</sub>, 8, 2, 5; 1999 UN<sub>4</sub>, 10, 2, 35; 1999 US<sub>4</sub>, 12, 3, 9; 1999 UU<sub>4</sub>, 5, 1, 0; 1999 UJ<sub>5</sub>, 8, 2, 25; 1999 UK<sub>5</sub>, 8, 2, 3; 1999 UA<sub>6</sub>, 15, 3, 28; 1999 UK<sub>6</sub>, 3, 1, 0; 1999 UL<sub>6</sub>, 14, 3, 9; 1999 UE<sub>7</sub>, 3, 1, 0; 1999 UB<sub>8</sub>, 13, 3, 9; 1999 UE<sub>8</sub>, 13, 3, 27; 1999 UN<sub>8</sub>, 8, 2, 32; 1999 UT<sub>8</sub>, 3, 1, 0; 1999 UD<sub>9</sub>, 5, 1, 0; 1999 UV<sub>9</sub>, 5, 1, 0; 1999 UB<sub>10</sub>, 5, 1, 0; 1999 UH<sub>11</sub>, 5, 1, 0; 1999 UO<sub>11</sub>, 7, 2, 19; 1999 UQ<sub>11</sub>, 23, 5, 29; 1999 UN<sub>12</sub>, 9, 2, 7; 1999 UX<sub>12</sub>, 22, 5, 28; 1999 UQ<sub>13</sub>, 18, 4, 53; 1999 UO<sub>14</sub>, 17, 4, 28; 1999 UX<sub>14</sub>, 8, 2, 7; 1999 UE<sub>15</sub>, 4, 1, 0; 1999 UJ<sub>15</sub>, 7, 2, 32; 1999 UQ<sub>15</sub>, 3, 1, 0; 1999 UR<sub>15</sub>, 18, 4, 37; 1999 UT<sub>15</sub>, 28, 5, 13; 1999 UZ<sub>15</sub>, 7, 1, 0; 1999 UT<sub>16</sub>, 19, 4, 28; 1999 UU<sub>16</sub>, 4, 1, 0; 1999 UV<sub>16</sub>, 18, 4, 36; 1999 UZ<sub>16</sub>, 15, 3, 32; 1999 US<sub>17</sub>, 4, 1, 0; 1999 UW<sub>17</sub>, 15, 3, 10; 1999 UH<sub>18</sub>, 3, 1, 0; 1999 UY<sub>19</sub>, 4, 1, 0; 1999 UY<sub>20</sub>, 3, 1, 0; 1999 UC<sub>21</sub>, 6, 2, 8; 1999 UF<sub>23</sub>, 5, 1, 0; 1999 UR<sub>23</sub>, 4, 1, 0; 1999 US<sub>23</sub>, 3, 1, 0; 1999 UV<sub>23</sub>, 16, 4, 62; 1999 UE<sub>24</sub>, 4, 1, 0; 1999 UJ<sub>24</sub>, 11, 3, 5; 1999 UW<sub>24</sub>, 4, 1, 0; 1999 UA<sub>25</sub>, 21, 5, 65; 1999 UL<sub>25</sub>, 10, 2, 4; 1999 US<sub>25</sub>, 8, 2, 4; 1999 UW<sub>25</sub>, 4, 1, 0; 1999 UA<sub>26</sub>, 14, 3, 9; 1999 UL<sub>26</sub>, 8, 2, 31; 1999 UM<sub>26</sub>, 58, 11, 64; 1999 UR<sub>26</sub>, 3, 1, 0; 1999 UW<sub>26</sub>, 5, 1, 0; 1999 UZ<sub>27</sub>, 3, 1, 0; 1999 UG<sub>28</sub>, 12, 3, 8; 1999 UQ<sub>28</sub>, 3, 1, 0; 1999 UE<sub>29</sub>, 8, 2, 11; 1999 UU<sub>29</sub>, 12, 3, 9; 1999 UF<sub>30</sub>, 4, 1, 0; 1999 US<sub>33</sub>, 3, 1, 0; 1999 UN<sub>35</sub>, 17, 4, 32; 1999 UF<sub>36</sub>, 10, 2, 33; 1999 UU<sub>36</sub>, 4, 1, 0; 1999 UX<sub>36</sub>, 9, 2, 33; 1999 UG<sub>37</sub>, 10, 2, 25; 1999 UN<sub>38</sub>, 13, 3, 9; 1999 UO<sub>38</sub>, 11, 3, 14; 1999 UZ<sub>38</sub>, 11, 3, 56; 1999 UD<sub>39</sub>, 9, 2, 37; 1999 UG<sub>39</sub>, 3, 1, 0; 1999 UQ<sub>41</sub>, 29, 4, 36; 1999 US<sub>42</sub>, 3, 1, 0; 1999 UY<sub>42</sub>, 26, 6, 66; 1999 UO<sub>43</sub>, 15, 3, 898; 1999 UR<sub>43</sub>, 13, 2, 17; 1999 UT<sub>43</sub>, 13, 3, 8; 1999 UB<sub>44</sub>, 3, 1, 0; 1999 UD<sub>44</sub>, 5, 1, 0; 1999 UJ<sub>44</sub>, 23, 5, 32; 1999 UK<sub>44</sub>, 5, 1, 0; 1999 UQ<sub>44</sub>, 14, 3, 10; 1999 UD<sub>45</sub>, 19, 4, 60; 1999 UE<sub>45</sub>, 30, 7, 69; 1999 UJ<sub>45</sub>, 15, 4, 40; 1999 UK<sub>45</sub>, 14, 3, 27; 1999 UP<sub>45</sub>, 16, 4, 69; 1999 UQ<sub>45</sub>, 23, 5, 36; 1999 UR<sub>45</sub>, 14, 3, 36; 1999 UW<sub>45</sub>, 4, 1, 0; 1999 UT<sub>46</sub>, 17, 4, 74; 1999 UY<sub>46</sub>, 9, 2, 10; 1999 UN<sub>47</sub>, 35, 8, 63; 1999 UQ<sub>47</sub>, 8, 2, 5; 1999 UX<sub>47</sub>, 15, 3, 11; 1999 UM<sub>48</sub>, 22, 5, 40; 1999 US<sub>48</sub>, 12, 3, 61; 1999 UQ<sub>49</sub>, 10, 2, 11; 1999 UD<sub>50</sub>, 12, 3, 11; 1999 UO<sub>50</sub>, 17, 3, 32; 1999 UB<sub>51</sub>, 3, 1, 0; 1999 UE<sub>51</sub>, 14, 3, 32; 1999 UG<sub>51</sub>, 4, 1, 0; 1999 UU<sub>51</sub>, 29, 7, 67; 1999 UY<sub>51</sub>, 5, 1, 0; 1999 UB<sub>52</sub>, 8, 2, 4; 1999 UE<sub>52</sub>, 8, 2, 9; 1999 UF<sub>52</sub>, 12, 3, 9; 1999 UL<sub>52</sub>, 5, 1, 0; 1999 UM<sub>52</sub>, 5, 1, 0; 1999 UT<sub>52</sub>, 14, 3, 31; 1999 UU<sub>52</sub>, 19, 4, 40; 1999 UA<sub>53</sub>, 19, 4, 34; 1999 UB<sub>53</sub>, 5, 1, 0; 1999 UG<sub>53</sub>, 25, 6, 64; 1999 UA<sub>59</sub>, 5, 1, 0; 1999 UY<sub>60</sub>, 5, 1, 0; 1999 UZ<sub>60</sub>, 9, 2, 36; 1999 VG<sub>19</sub>, 4, 37; 1999 VP<sub>18</sub>, 4, 30; 1999 VY<sub>13</sub>, 13, 3, 10; 1999 VS<sub>1</sub>, 9, 2, 9; 1999 VE<sub>2</sub>, 4, 1, 0; 1999 VH<sub>2</sub>, 10, 2, 7; 1999 VP<sub>2</sub>, 31, 7, 71; 1999 VV<sub>2</sub>, 19, 4, 28; 1999 VA<sub>6</sub>, 6, 2, 7; 1999 VN<sub>4</sub>, 10, 2, 8; 1999 VP<sub>4</sub>, 3, 1, 0; 1999 VT<sub>4</sub>, 6, 2, 32; 1999 VU<sub>4</sub>, 16, 3, 8; 1999 VX<sub>5</sub>, 5, 1, 0; 1999 VG<sub>6</sub>, 20, 5, 33; 1999 VW<sub>7</sub>, 6, 2, 35; 1999 VC<sub>8</sub>, 8, 2, 3; 1999 VM<sub>8</sub>, 6, 2, 3; 1999 VS<sub>8</sub>, 5, 1, 0; 1999 VX<sub>8</sub>, 9, 2, 33; 1999 VZ<sub>8</sub>, 5, 1, 0; 1999 VQ<sub>9</sub>, 7, 2, 19; 1999 VT<sub>9</sub>, 8, 2, 42; 1999 VF<sub>10</sub>, 7, 2, 38; 1999 VM<sub>10</sub>, 8, 2, 32; 1999 VA<sub>11</sub>, 26, 6, 479; 1999 VF<sub>11</sub>, 4, 1, 0; 1999 VH<sub>11</sub>, 18, 4, 28; 1999 VJ<sub>11</sub>, 3, 1, 0; 1999 VT<sub>11</sub>, 4, 1, 0; 1999 VH<sub>12</sub>, 5, 1, 0; 1999 VK<sub>13</sub>, 4, 1, 0; 1999 VJ<sub>14</sub>, 4, 1, 0; 1999 VG<sub>18</sub>, 13, 3, 10; 1999 VO<sub>18</sub>, 17, 4, 11; 1999 VW<sub>18</sub>, 17, 4, 507; 1999 VG<sub>19</sub>, 11, 3, 9; 1999 VL<sub>19</sub>, 11, 3, 36; 1999 VF<sub>20</sub>, 13, 3, 9; 1999 VQ<sub>20</sub>, 3, 1, 0; 1999 VW<sub>20</sub>, 13, 3, 14; 1999 VZ<sub>20</sub>, 8, 2, 3; 1999 VC<sub>21</sub>, 3, 1, 0; 1999 VL<sub>21</sub>, 26, 6, 37; 1999 VT<sub>21</sub>, 8, 2, 31; 1999 VC<sub>22</sub>, 3, 1, 0; 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1999 VW<sub>45</sub>, 4, 1, 0; 1999 VZ<sub>45</sub>, 3, 1, 0; 1999 VU<sub>46</sub>, 4, 1, 0; 1999 VY<sub>46</sub>, 3, 1, 0; 1999 VE<sub>47</sub>, 9, 2, 33; 1999 VM<sub>47</sub>, 20, 3, 9; 1999 VN<sub>47</sub>, 13, 3, 64; 1999 VQ<sub>47</sub>, 14, 3, 13; 1999 VS<sub>47</sub>, 18, 4, 38; 1999 VT<sub>47</sub>, 5, 1, 0; 1999 VX<sub>47</sub>, 9, 2, 29; 1999 VY<sub>47</sub>, 4, 1, 0; 1999 VE<sub>48</sub>, 18, 4, 61; 1999 VN<sub>48</sub>, 13, 3, 65; 1999 VT<sub>48</sub>, 3, 1, 0; 1999 VF<sub>49</sub>, 8, 1, 0; 1999 VS<sub>49</sub>, 12, 3, 5; 1999 VH<sub>50</sub>, 5, 1, 0; 1999 VJ<sub>50</sub>, 10, 3, 8; 1999 VT<sub>50</sub>, 9, 2, 4; 1999 VW<sub>50</sub>, 15, 3, 9; 1999 VX<sub>51</sub>, 3, 1, 0; 1999 VQ<sub>52</sub>, 10, 3, 883; 1999 VU<sub>52</sub>, 4, 1, 0; 1999 VY<sub>52</sub>, 16, 4, 66; 1999 VF<sub>53</sub>, 8, 2, 3; 1999 VR<sub>53</sub>, 4, 1, 0; 1999 VZ<sub>53</sub>, 13, 3, 10; 1999 VC<sub>54</sub>, 13, 3, 10; 1999 VF<sub>54</sub>, 5, 1, 0; 1999 VC<sub>55</sub>, 17, 4, 28; 1999 VV<sub>55</sub>, 13, 3, 27; 1999 VY<sub>55</sub>, 3, 1, 0; 1999 VE<sub>56</sub>, 5, 1, 0; 1999 VF<sub>57</sub>, 3, 1, 0; 1999 VL<sub>57</sub>, 4, 1, 0; 1999 VU<sub>57</sub>, 8, 2, 28; 1999 VF<sub>58</sub>, 4, 1, 0; 1999 VF<sub>59</sub>, 9, 2, 8; 1999 VM<sub>59</sub>, 9, 2, 26; 1999 VO<sub>59</sub>, 3, 1, 0; 1999 VQ<sub>59</sub>, 5, 1, 0; 1999 VU<sub>59</sub>, 14, 3, 37; 1999 VH<sub>60</sub>, 4, 1, 0; 1999 VT<sub>60</sub>, 3, 1, 0; 1999 VY<sub>60</sub>, 5, 1, 0; 1999 VV<sub>61</sub>, 12, 3, 8; 1999 VH<sub>62</sub>, 12, 3, 10; 1999 VL<sub>62</sub>, 9, 2, 7; 1999 VV<sub>62</sub>, 5, 1, 0; 1999 VM<sub>63</sub>, 16, 4, 29; 1999 VD<sub>64</sub>, 4, 1, 0; 1999 VK<sub>64</sub>, 5, 1, 0; 1999 VK<sub>65</sub>, 18, 4, 28; 1999 VA<sub>66</sub>, 13, 3, 9; 1999 VO<sub>66</sub>, 10, 3, 57; 1999 VL<sub>67</sub>, 4, 1, 0; 1999 VZ<sub>67</sub>, 21, 5, 25; 1999 VM<sub>68</sub>, 10, 2, 37; 1999 VQ<sub>68</sub>, 4, 1, 0; 1999 VW<sub>68</sub>, 3, 1, 0; 1999 VB<sub>69</sub>, 5, 1, 0; 1999 VM<sub>69</sub>, 3, 1, 0; 1999 VQ<sub>69</sub>, 5, 1, 0; 1999 VR<sub>69</sub>, 5, 1, 0; 1999 VC<sub>70</sub>, 9, 2, 21; 1999 VX<sub>70</sub>, 18, 4, 28; 1999 VE<sub>71</sub>, 3, 1, 0; 1999 VH<sub>72</sub>, 8, 2, 33; 1999 VJ<sub>72</sub>, 32, 7, 70; 1999 VY<sub>73</sub>, 6, 2, 9; 1999 VC<sub>74</sub>, 4, 1, 0; 1999 VP<sub>75</sub>, 3, 1, 0; 1999 VS<sub>75</sub>, 9, 2, 19; 1999 VN<sub>77</sub>, 4, 1, 0; 1999 VE<sub>78</sub>, 19, 4, 37; 1999 VW<sub>78</sub>, 10, 2, 19; 1999 VD<sub>79</sub>, 8, 2, 4; 1999 VL<sub>79</sub>, 11, 2, 36; 1999 VZ<sub>79</sub>, 5, 1, 0; 1999 VA<sub>80</sub>, 5, 1, 0; 1999 VK<sub>80</sub>, 5, 1, 0; 1999 VD<sub>81</sub>, 20, 5, 37; 1999 VH<sub>81</sub>, 14, 3, 9; 1999 VT<sub>81</sub>, 4, 1, 0; 1999 VS<sub>81</sub>, 16, 4, 68; 1999 VA<sub>82</sub>, 10, 2, 8; 1999 VK<sub>82</sub>, 4, 1, 0; 1999 VW<sub>83</sub>, 7, 2, 10; 1999 VZ<sub>84</sub>, 3, 1, 0; 1999 VN<sub>85</sub>, 4, 1, 0; 1999 VP<sub>85</sub>, 33, 7, 66; 1999 VV<sub>85</sub>, 5, 1, 0; 1999 VX<sub>86</sub>, 4, 1, 0; 1999 VY<sub>86</sub>, 15, 3, 10; 1999 VZ<sub>86</sub>, 4, 1, 0; 1999 VK<sub>87</sub>, 7, 2, 6; 1999 VN<sub>87</sub>, 4, 1, 0; 1999 VQ<sub>87</sub>, 21, 5, 60; 1999 VF<sub>90</sub>, 4, 1, 0; 1999 VG<sub>90</sub>, 14, 3, 10; 1999 VM<sub>90</sub>, 3, 1, 0; 1999 VS<sub>90</sub>, 14, 3, 9; 1999 VT<sub>90</sub>, 12, 2, 9; 1999 VU<sub>90</sub>, 10, 2, 9; 1999 VL<sub>91</sub>, 8, 2, 5; 1999 VS<sub>91</sub>, 10, 2, 9; 1999 VW<sub>91</sub>, 5, 1, 0; 1999 VX<sub>91</sub>, 5, 1, 0; 1999 VZ<sub>91</sub>, 3, 1, 0; 1999 VL<sub>93</sub>, 4, 1, 0; 1999 VA<sub>94</sub>, 13, 3, 10; 1999 VE<sub>94</sub>, 5, 1, 0; 1999 VJ<sub>94</sub>, 11, 3, 11; 1999 VQ<sub>94</sub>, 11, 3, 28; 1999 VT<sub>94</sub>, 3, 1, 0; 1999 VM<sub>95</sub>, 24, 5, 77; 1999 VO<sub>96</sub>, 3, 1, 0; 1999 VQ<sub>96</sub>, 3, 1, 0; 1999 VJ<sub>97</sub>, 8, 2, 34; 1999 VB<sub>98</sub>, 5, 1, 0; 1999 VM<sub>98</sub>, 4, 1, 0; 1999 VO<sub>99</sub>, 10, 3, 38; 1999 VP<sub>99</sub>, 3, 1, 0; 1999 VR<sub>99</sub>, 24, 5, 32; 1999 VT<sub>99</sub>, 10, 2, 6; 1999 VD<sub>101</sub>, 4, 1, 0; 1999 VN<sub>104</sub>, 5, 1, 0; 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1999 VK<sub>140</sub>, 23, 5, 27; 1999 VQ<sub>143</sub>, 18, 4, 35; 1999 VX<sub>143</sub>, 9, 2, 9; 1999 VK<sub>144</sub>, 13, 3, 37; 1999 VT<sub>144</sub>, 13, 3, 42; 1999 VX<sub>144</sub>, 28, 5, 64; 1999 VZ<sub>144</sub>, 5, 1, 0; 1999 VK<sub>147</sub>, 5, 1, 0; 1999 VR<sub>147</sub>, 5, 1, 0; 1999 VA<sub>148</sub>, 5, 1, 0; 1999 VM<sub>148</sub>, 8, 2, 9; 1999 VQ<sub>148</sub>, 21, 5, 35; 1999 VY<sub>148</sub>, 8, 2, 3; 1999 VM<sub>149</sub>, 14, 3, 9; 1999 VA<sub>150</sub>, 15, 3, 9; 1999 VH<sub>151</sub>, 5, 1, 0; 1999 VW<sub>152</sub>, 3, 1, 0; 1999 VS<sub>153</sub>, 5, 1, 0; 1999 VX<sub>154</sub>, 3, 1, 0; 1999 VV<sub>155</sub>, 5, 1, 0; 1999 VL<sub>156</sub>, 10, 1, 0; 1999 VD<sub>157</sub>, 12, 3, 9; 1999 VJ<sub>158</sub>, 13, 3, 11; 1999 VW<sub>158</sub>, 8, 2, 25; 1999 VA<sub>159</sub>, 13, 3, 39; 1999 VR<sub>159</sub>, 5, 1, 0; 1999 VW<sub>159</sub>, 8, 2, 8; 1999 VC<sub>160</sub>, 9, 2, 5; 1999 VR<sub>160</sub>, 8, 2, 5; 1999 VR<sub>161</sub>, 4, 1, 0; 1999 VL<sub>162</sub>, 10, 2, 28; 1999 VF<sub>162</sub>, 15, 3, 10; 1999 VG<sub>162</sub>, 19, 4, 28; 1999 VY<sub>162</sub>, 9, 2, 21; 1999 VB<sub>163</sub>, 5

19, 4, 30; 1999 WT<sub>2</sub>, 13, 3, 7; 1999 WL<sub>3</sub>, 5, 1, 0; 1999 WD<sub>4</sub>, 17, 4, 35; 1999 WX<sub>4</sub>, 3, 1, 0; 1999 WD<sub>5</sub>, 9, 2, 5; 1999 WB<sub>6</sub>, 14, 3, 9; 1999 WA<sub>8</sub>, 5, 1, 0; 1999 WM<sub>8</sub>, 29, 6, 38; 1999 WQ<sub>8</sub>, 4, 1, 0; 1999 WV<sub>8</sub>, 16, 4, 31; 1999 WM<sub>9</sub>, 3, 1, 0; 1999 WP<sub>9</sub>, 5, 1, 0; 1999 WX<sub>9</sub>, 9, 2, 17; 1999 WK<sub>10</sub>, 9, 2, 4; 1999 WL<sub>11</sub>, 12, 3, 13; 1999 WM<sub>11</sub>, 23, 5, 57; 1999 WO<sub>11</sub>, 19, 4, 28; 1999 WT<sub>11</sub>, 4, 1, 0; 1999 WJ<sub>12</sub>, 4, 1, 0; 1999 WR<sub>12</sub>, 5, 1, 0; 1999 WS<sub>12</sub>, 3, 1, 0; 1999 WV<sub>12</sub>, 5, 1, 0; 1999 WA<sub>13</sub>, 21, 5, 37; 1999 WF<sub>13</sub>, 3, 1, 0; 1999 WP<sub>13</sub>, 17, 4, 69; 1999 WY<sub>14</sub>, 5, 1, 0; 1999 WV<sub>16</sub>, 7, 2, 7; 1999 WW<sub>16</sub>, 5, 1, 0; 1999 WF<sub>17</sub>, 12, 3, 8; 1999 WX<sub>19</sub>, 19, 5, 38; 1999 WQ<sub>20</sub>, 7, 2, 12; 1999 XA<sub>1</sub>, 9, 2, 10; 1999 XQ<sub>1</sub>, 4, 1, 0; 1999 XT<sub>1</sub>, 11, 3, 31; 1999 XY<sub>1</sub>, 4, 1, 0; 1999 XZ<sub>1</sub>, 18, 4, 68; 1999 XW<sub>4</sub>, 5, 1, 0; 1999 XN<sub>5</sub>, 10, 2, 21; 1999 XQ<sub>5</sub>, 4, 1, 0; 1999 XC<sub>6</sub>, 17, 4, 9; 1999 XQ<sub>6</sub>, 7, 2, 8; 1999 XR<sub>6</sub>, 11, 3, 509; 1999 XZ<sub>6</sub>, 14, 2, 12; 1999 XO<sub>7</sub>, 15, 3, 23; 1999 XY<sub>7</sub>, 4, 1, 0; 1999 XL<sub>9</sub>, 8, 2, 9; 1999 XA<sub>11</sub>, 4, 1, 0; 1999 XF<sub>11</sub>, 14, 3, 13; 1999 XJ<sub>11</sub>, 3, 1, 0; 1999 XM<sub>11</sub>, 23, 5, 38; 1999 XQ<sub>11</sub>, 6, 2, 12; 1999 XK<sub>12</sub>, 4, 1, 0; 1999 XR<sub>12</sub>, 3, 1, 0; 1999 XN<sub>13</sub>, 15, 4, 64; 1999 XP<sub>14</sub>, 5, 1, 0; 1999 XW<sub>14</sub>, 5, 1, 0; 1999 XC<sub>15</sub>, 5, 1, 0; 1999 XU<sub>15</sub>, 5, 1, 0; 1999 XR<sub>16</sub>, 4, 1, 0; 1999 XD<sub>18</sub>, 5, 1, 0; 1999 XG<sub>18</sub>, 7, 2, 12; 1999 XZ<sub>18</sub>, 14, 3, 10; 1999 XF<sub>19</sub>, 5, 1, 0; 1999 XJ<sub>19</sub>, 4, 1, 0; 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1999 XT<sub>77</sub>, 9, 2, 4; 1999 XH<sub>78</sub>, 9, 2, 37; 1999 XN<sub>78</sub>, 10, 2, 7; 1999 XO<sub>78</sub>, 4, 1, 0; 1999 XX<sub>78</sub>, 5, 1, 0; 1999 XU<sub>80</sub>, 8, 2, 5; 1999 XT<sub>81</sub>, 13, 3, 10; 1999 XS<sub>82</sub>, 7, 2, 2; 1999 XX<sub>82</sub>, 8, 2, 7; 1999 XY<sub>84</sub>, 13, 3, 35; 1999 XC<sub>85</sub>, 5, 1, 0; 1999 XA<sub>87</sub>, 12, 3, 17; 1999 XK<sub>88</sub>, 9, 2, 24; 1999 XV<sub>88</sub>, 6, 2, 7; 1999 XE<sub>89</sub>, 5, 1, 0; 1999 XG<sub>89</sub>, 3, 1, 0; 1999 XN<sub>89</sub>, 12, 3, 8; 1999 XA<sub>91</sub>, 17, 4, 28; 1999 XP<sub>91</sub>, 7, 2, 3; 1999 XH<sub>92</sub>, 5, 1, 0; 1999 XD<sub>92</sub>, 14, 3, 28; 1999 XM<sub>92</sub>, 5, 1, 0; 1999 XV<sub>92</sub>, 7, 2, 4; 1999 XW<sub>92</sub>, 3, 1, 0; 1999 XY<sub>92</sub>, 9, 2, 9; 1999 XB<sub>93</sub>, 4, 1, 0; 1999 XT<sub>93</sub>, 23, 5, 68; 1999 XU<sub>93</sub>, 3, 1, 0; 1999 XV<sub>93</sub>, 9, 2, 32; 1999 XL<sub>94</sub>, 8, 2, 1508; 1999 XH<sub>95</sub>, 23, 5, 32; 1999 XU<sub>95</sub>, 3, 1, 0; 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5, 1, 0; 1999 XJ<sub>144</sub>, 10, 2, 32; 1999 XT<sub>145</sub>, 13, 3, 9; 1999 XO<sub>147</sub>, 8, 2, 8; 1999 XG<sub>151</sub>, 4, 1, 0; 1999 XP<sub>151</sub>, 10, 2, 4; 1999 XS<sub>151</sub>, 26, 6, 37; 1999 XW<sub>151</sub>, 3, 1, 0; 1999 XP<sub>152</sub>, 3, 1, 0; 1999 XQ<sub>152</sub>, 7, 2, 8; 1999 XL<sub>153</sub>, 5, 1, 0; 1999 XN<sub>153</sub>, 5, 1, 0; 1999 XS<sub>153</sub>, 10, 2, 21; 1999 XO<sub>155</sub>, 5, 1, 0; 1999 XT<sub>155</sub>, 9, 2, 4; 1999 XU<sub>155</sub>, 18, 4, 28; 1999 XL<sub>156</sub>, 8, 2, 9; 1999 XW<sub>156</sub>, 5, 1, 0; 1999 XQ<sub>157</sub>, 5, 1, 0; 1999 XW<sub>157</sub>, 5, 1, 0; 1999 XM<sub>158</sub>, 5, 1, 0; 1999 XO<sub>159</sub>, 10, 2, 10; 1999 XX<sub>159</sub>, 11, 3, 11; 1999 XD<sub>160</sub>, 5, 1, 0; 1999 XW<sub>160</sub>, 3, 1, 0; 1999 XJ<sub>161</sub>, 4, 1, 0; 1999 XZ<sub>161</sub>, 18, 4, 506; 1999 XF<sub>162</sub>, 4, 1, 0; 1999 XJ<sub>162</sub>, 8, 2, 11; 1999 XY<sub>163</sub>, 9, 2, 7; 1999 XE<sub>164</sub>, 12, 3, 25; 1999 XH<sub>164</sub>, 15, 3, 33; 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1999 XO<sub>248</sub>, 5, 1, 0; 1999 XX

10, 2, 29; 2000 AL<sub>51</sub>, 21, 4, 54; 2000 AN<sub>51</sub>, 27, 6, 69; 2000 AS<sub>51</sub>, 14, 3, 10; 2000 AW<sub>51</sub>, 9, 2, 29; 2000 AC<sub>52</sub>, 13, 3, 27; 2000 AF<sub>52</sub>, 3, 1, 0; 2000 AJ<sub>52</sub>, 13, 3, 27; 2000 AO<sub>52</sub>, 5, 1, 0; 2000 AP<sub>52</sub>, 15, 3, 23; 2000 AT<sub>52</sub>, 3, 1, 0; 2000 AZ<sub>52</sub>, 3, 1, 0; 2000 AA<sub>53</sub>, 13, 3, 24; 2000 AD<sub>53</sub>, 13, 3, 17; 2000 AE<sub>53</sub>, 5, 1, 0; 2000 AV<sub>53</sub>, 3, 1, 0; 2000 AY<sub>53</sub>, 17, 4, 39; 2000 AY<sub>54</sub>, 9, 2, 4; 2000 AV<sub>54</sub>, 4, 1, 0; 2000 AS<sub>55</sub>, 10, 2, 33; 2000 AU<sub>55</sub>, 5, 1, 0; 2000 AX<sub>58</sub>, 5, 1, 0; 2000 AG<sub>59</sub>, 4, 1, 0; 2000 AT<sub>59</sub>, 3, 1, 0; 2000 AA<sub>60</sub>, 3, 1, 0; 2000 AT<sub>60</sub>, 4, 1, 0; 2000 AV<sub>60</sub>, 4, 1, 0; 2000 AZ<sub>61</sub>, 7, 2, 17; 2000 AH<sub>62</sub>, 14, 3, 10; 2000 AY<sub>62</sub>, 10, 1, 0; 2000 AE<sub>63</sub>, 5, 1, 0; 2000 AN<sub>64</sub>, 8, 2, 4; 2000 AY<sub>65</sub>, 15, 3, 3; 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2000 AA<sub>205</sub>, 15, 3, 11; 2000 AJ<sub>205</sub>, 5, 1, 0; 2000 AU<sub>205</sub>, 4, 1, 0; 2000 AN<sub>206</sub>, 3, 1, 0; 2000 AP<sub>213</sub>, 3, 1, 0; 2000 AZ<sub>214</sub>, 3, 1, 0; 2000 AH<sub>215</sub>, 12, 3, 10; 2000 AR<sub>217</sub>, 4, 1, 0; 2000 AT<sub>225</sub>, 4, 1, 0; 2000 AU<sub>228</sub>, 21, 5, 28; 2000 AJ<sub>229</sub>, 23, 5, 38; 2000 AG<sub>230</sub>, 4, 1, 0; 2000 AH<sub>230</sub>, 4, 1, 0; 2000 AQ<sub>230</sub>, 9, 2, 17; 2000 AM<sub>231</sub>, 3, 1, 0; 2000 AZ<sub>232</sub>, 5, 1, 0; 2000 AU<sub>234</sub>, 4, 1, 0; 2000 AP<sub>237</sub>, 13, 3, 421; 2000 AY<sub>237</sub>, 12, 3, 38; 2000 AM<sub>238</sub>, 13,

3, 1037; 2000 AY<sub>239</sub>, 4, 1, 0; 2000 AC<sub>241</sub>, 7, 1, 0; 2000 AM<sub>241</sub>, 20, 4, 35; 2000 AV<sub>241</sub>, 12, 3, 33; 2000 AQ<sub>243</sub>, 9, 2, 1752; 2000 AC<sub>244</sub>, 8, 2, 64; 2000 AQ<sub>244</sub>, 14, 3, 52; 2000 AW<sub>244</sub>, 3, 1, 0; 2000 AC<sub>245</sub>, 7, 2, 3; 2000 AF<sub>245</sub>, 4, 1, 0; 2000 AQ<sub>247</sub>, 4, 1, 0; 2000 AV<sub>247</sub>, 7, 2, 4; 2000 AF<sub>248</sub>, 21, 5, 66; 2000 AJ<sub>251</sub>, 5, 1, 0; 2000 AL<sub>251</sub>, 8, 2, 6; 2000 BV<sub>7</sub>, 2, 8; 2000 BA<sub>1</sub>, 14, 3, 1167; 2000 BD<sub>4</sub>, 21, 5, 33; 2000 BB<sub>7</sub>, 4, 1, 0; 2000 BT<sub>7</sub>, 4, 1, 0; 2000 BW<sub>8</sub>, 6, 2, 20; 2000 BF<sub>10</sub>, 4, 1, 0; 2000 BY<sub>13</sub>, 3, 1, 0; 2000 BV<sub>14</sub>, 10, 2, 7; 2000 BO<sub>15</sub>, 5, 1, 0; 2000 BH<sub>16</sub>, 5, 1, 0; 2000 BY<sub>16</sub>, 5, 1, 0; 2000 BC<sub>17</sub>, 3, 1, 0; 2000 BX<sub>17</sub>, 3, 1, 0; 2000 BV<sub>18</sub>, 3, 1, 0; 2000 BP<sub>20</sub>, 15, 4, 37; 2000 BZ<sub>20</sub>, 4, 1, 0; 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2000 DQ<sub>111</sub>, 12, 3, 11; 2000 DV<sub>117</sub>, 30, 6, 70; 2000 EG<sub>1</sub>, 5, 1, 0; 2000 EB<sub>3</sub>, 3, 1, 0; 2000 EJ<sub>10</sub>, 3, 1, 0; 2000 EP<sub>11</sub>, 8, 2, 36; 2000 ED<sub>12</sub>, 20, 5, 37; 2000 ET<sub>12</sub>, 4, 1, 0; 2000 EP<sub>13</sub>, 4, 1, 0; 2000 EJ<sub>15</sub>, 4, 1, 0; 2000 EP<sub>15</sub>, 4, 1, 0; 2000 EB<sub>16</sub>, 4, 1, 0; 2000 EU<sub>16</sub>, 5, 1, 0; 2000 EM<sub>17</sub>, 10, 1, 0; 2000 EF<sub>18</sub>, 5, 1, 0; 2000 EH<sub>19</sub>, 5, 1, 0; 2000 EM<sub>20</sub>, 3, 1, 0; 2000 ET<sub>20</sub>, 15, 4, 407; 2000 EC<sub>25</sub>, 3, 1, 0; 2000 EE<sub>25</sub>, 9, 2, 3; 2000 EY<sub>26</sub>, 4, 1, 0; 2000 EW<sub>27</sub>, 3, 1, 0; 2000 ED<sub>28</sub>, 4, 1, 0; 2000 EM<sub>28</sub>, 12, 3, 6; 2000 ED<sub>30</sub>, 3, 1, 0; 2000 ER<sub>30</sub>, 4, 1, 0; 2000 EG<sub>31</sub>, 3, 1, 0; 2000 ER<sub>32</sub>, 4, 1, 0; 2000 EQ<sub>33</sub>, 3, 1, 0; 2000 ES<sub>35</sub>, 11, 3, 10; 2000 EG<sub>36</sub>, 5, 1, 0; 2000 ET<sub>37</sub>, 8, 2, 11; 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14, 3, 42; 2000 GD<sub>120</sub>, 5, 1, 0; 2000 GO<sub>122</sub>, 3, 1, 0; 2000 GK<sub>126</sub>, 9, 2, 22; 2000 GW<sub>126</sub>, 5, 1, 0; 2000 GE<sub>132</sub>, 8, 2, 39; 2000 GU<sub>132</sub>, 26, 4, 37; 2000 GC<sub>135</sub>, 23, 5, 90; 2000 GH<sub>137</sub>, 4, 1, 0; 2000 GT<sub>137</sub>, 3, 1, 0; 2000 GN<sub>138</sub>, 4, 1, 0; 2000 GY<sub>138</sub>, 10, 2, 30; 2000 GH<sub>139</sub>, 3, 1, 0; 2000 GE<sub>141</sub>, 4, 1, 0; 2000 GR<sub>141</sub>, 12, 3, 21; 2000 GQ<sub>142</sub>, 5, 1, 0; 2000 GC<sub>143</sub>, 5, 1, 0; 2000 GC<sub>146</sub>, 5, 1, 0; 2000 GP<sub>147</sub>, 4, 1, 0; 2000 GQ<sub>150</sub>, 4, 1, 0; 2000 GV<sub>154</sub>, 4, 1, 0; 2000 GC<sub>155</sub>, 4, 1, 0; 2000 GT<sub>156</sub>, 4, 1, 0; 2000 GN<sub>157</sub>, 9, 2, 22; 2000 GZ<sub>157</sub>, 18, 4, 61; 2000 GX<sub>158</sub>, 4, 1, 0; 2000 GB<sub>159</sub>, 7, 1, 0; 2000 GL<sub>159</sub>, 3, 1, 0; 2000 GX<sub>161</sub>, 4, 1, 0; 2000 GP<sub>163</sub>, 13, 3, 29; 2000 GQ<sub>163</sub>, 5, 1, 0; 2000 GR<sub>164</sub>, 3, 1, 0; 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2000 KR<sub>31</sub>, 5, 1, 0; 2000 KU<sub>31</sub>, 7, 2, 22; 2000 KJ<sub>37</sub>, 3, 1, 0; 2000 KC<sub>39</sub>, 8, 2, 26; 2000 KP<sub>42</sub>, 4, 1, 0; 200

2, 7; 2000 QS<sub>19</sub>, 8, 2, 30; 2000 QD<sub>20</sub>, 4, 1, 0; 2000 QJ<sub>20</sub>, 5, 1, 0; 2000 QF<sub>22</sub>, 8, 2, 5; 2000 QF<sub>24</sub>, 17, 4, 28; 2000 QD<sub>25</sub>, 4, 1, 0; 2000 QG<sub>26</sub>, 4, 1, 0; 2000 QJ<sub>26</sub>, 9, 2, 5; 2000 QT<sub>32</sub>, 7, 2, 1; 2000 QO<sub>33</sub>, 3, 1, 0; 2000 QT<sub>33</sub>, 3, 1, 0; 2000 QF<sub>34</sub>, 5, 1, 0; 2000 QG<sub>35</sub>, 4, 1, 0; 2000 QU<sub>35</sub>, 5, 1, 0; 2000 QC<sub>36</sub>, 9, 2, 22; 2000 QF<sub>36</sub>, 3, 1, 0; 2000 QL<sub>36</sub>, 4, 1, 0; 2000 QE<sub>38</sub>, 5, 1, 0; 2000 QL<sub>39</sub>, 14, 3, 33; 2000 QG<sub>41</sub>, 4, 1, 0; 2000 QL<sub>41</sub>, 3, 1, 0; 2000 QF<sub>43</sub>, 5, 1, 0; 2000 QX<sub>44</sub>, 14, 3, 562; 2000 QP<sub>46</sub>, 3, 1, 0; 2000 QP<sub>49</sub>, 4, 1, 0; 2000 QK<sub>50</sub>, 4, 1, 0; 2000 QP<sub>53</sub>, 4, 1, 0; 2000 QP<sub>54</sub>, 10, 2, 10; 2000 QO<sub>56</sub>, 10, 2, 86; 2000 QU<sub>59</sub>, 4, 1, 0; 2000 QQ<sub>60</sub>, 7, 2, 34; 2000 QY<sub>60</sub>, 4, 1, 0; 2000 QY<sub>62</sub>, 5, 1, 0; 2000 QO<sub>64</sub>, 9, 2, 5; 2000 QW<sub>64</sub>, 4, 1, 0; 2000 QF<sub>65</sub>, 13, 3, 27; 2000 QS<sub>68</sub>, 17, 4, 27; 2000 QX<sub>68</sub>, 3, 1, 0; 2000 QU<sub>74</sub>, 9, 2, 415; 2000 QV<sub>75</sub>, 3, 1, 0; 2000 QU<sub>76</sub>, 8, 2, 29; 2000 QX<sub>76</sub>, 4, 1, 0; 2000 QT<sub>78</sub>, 9, 2, 19; 2000 QY<sub>81</sub>, 5, 1, 0; 2000 QH<sub>82</sub>, 5, 1, 0; 2000 QZ<sub>83</sub>, 5, 1, 0; 2000 QK<sub>84</sub>, 3, 1, 0; 2000 QK<sub>85</sub>, 5, 1, 0; 2000 QZ<sub>88</sub>, 12, 3, 28; 2000 QK<sub>90</sub>, 8, 2, 7; 2000 QF<sub>92</sub>, 21, 5, 37; 2000 QG<sub>92</sub>, 4, 1, 0; 2000 QK<sub>92</sub>, 14, 3, 55; 2000 QX<sub>92</sub>, 5, 1, 0; 2000 QO<sub>93</sub>, 5, 1, 0; 2000 QZ<sub>94</sub>, 5, 1, 0; 2000 QG<sub>95</sub>, 14, 3, 10; 2000 QD<sub>96</sub>, 15, 3, 31; 2000 QA<sub>98</sub>, 4, 1, 0; 2000 QA<sub>103</sub>, 8, 2, 5; 2000 QB<sub>105</sub>, 6, 2, 7; 2000 QG<sub>105</sub>, 5, 1, 0; 2000 QJ<sub>105</sub>, 22, 5, 59; 2000 QK<sub>105</sub>, 9, 2, 10; 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2000 QM<sub>141</sub>, 3, 1, 0; 2000 QD<sub>143</sub>, 9, 2, 5; 2000 QW<sub>143</sub>, 7, 2, 1; 2000 QV<sub>144</sub>, 4, 1, 0; 2000 QZ<sub>145</sub>, 8, 2, 3; 2000 QP<sub>147</sub>, 3, 1, 0; 2000 QM<sub>148</sub>, 8, 2, 21; 2000 QE<sub>149</sub>, 4, 1, 0; 2000 QH<sub>149</sub>, 16, 4, 37; 2000 QN<sub>150</sub>, 16, 4, 39; 2000 QO<sub>150</sub>, 14, 3, 33; 2000 QR<sub>150</sub>, 4, 1, 0; 2000 QF<sub>151</sub>, 9, 2, 33; 2000 QJ<sub>151</sub>, 19, 4, 67; 2000 QA<sub>163</sub>, 4, 1, 0; 2000 QH<sub>163</sub>, 5, 1, 0; 2000 QH<sub>165</sub>, 3, 1, 0; 2000 QN<sub>167</sub>, 4, 1, 0; 2000 QJ<sub>169</sub>, 4, 1, 0; 2000 QN<sub>169</sub>, 8, 2, 5; 2000 QG<sub>170</sub>, 10, 2, 10; 2000 QJ<sub>170</sub>, 3, 1, 0; 2000 QH<sub>171</sub>, 5, 1, 0; 2000 QH<sub>172</sub>, 8, 2, 27; 2000 QV<sub>172</sub>, 4, 1, 0; 2000 QU<sub>174</sub>, 5, 1, 0; 2000 QN<sub>176</sub>, 3, 1, 0; 2000 QR<sub>176</sub>, 13, 3, 35; 2000 QT<sub>179</sub>, 3, 1, 0; 2000 QG<sub>180</sub>, 4, 1, 0; 2000 QV<sub>180</sub>, 14, 3, 32; 2000 QY<sub>180</sub>, 4, 1, 0; 2000 QA<sub>181</sub>, 10, 2, 3; 2000 QB<sub>181</sub>, 28, 5, 29; 2000 QJ<sub>181</sub>, 20, 5, 54; 2000 QS<sub>181</sub>, 14, 3, 31; 2000 QU<sub>181</sub>, 18, 4, 30; 2000 QY<sub>181</sub>, 23, 5, 65; 2000 QD<sub>182</sub>, 15, 3, 11; 2000 QT<sub>189</sub>, 5, 1, 0; 2000 QG<sub>194</sub>, 4, 1, 0; 2000 QU<sub>194</sub>, 8, 2, 31; 2000 QW<sub>195</sub>, 4, 1, 0; 2000 QB<sub>197</sub>, 16, 4, 505; 2000 QZ<sub>197</sub>, 9, 2, 21; 2000 QG<sub>198</sub>, 4, 1, 0; 2000 QU<sub>202</sub>, 8, 2, 1; 2000 QV<sub>203</sub>, 3, 1, 0; 2000 QK<sub>204</sub>, 4, 1, 0; 2000 QM<sub>204</sub>, 4, 1, 0; 2000 QZ<sub>207</sub>, 3, 1, 0; 2000 QC<sub>209</sub>, 4, 1, 0; 2000 QL<sub>209</sub>, 5, 1, 0; 2000 QK<sub>213</sub>, 4, 1, 0; 2000 QK<sub>214</sub>, 3, 1, 0; 2000 QD<sub>215</sub>, 7, 2, 11; 2000 QS<sub>215</sub>, 9, 2, 8; 2000 QX<sub>216</sub>, 5, 1, 0; 2000 QJ<sub>217</sub>, 13, 3, 28; 2000 QB<sub>218</sub>, 3, 1, 0; 2000 QF<sub>224</sub>, 9, 2, 2; 2000 QA<sub>226</sub>, 9, 2, 22; 2000 QT<sub>226</sub>, 4, 1, 0; 2000 QH<sub>228</sub>, 3, 1, 0; 2000 QZ<sub>228</sub>, 3, 1, 0; 2000 QX<sub>229</sub>, 6, 2, 2; 2000 QY<sub>229</sub>, 9, 2, 21; 2000 QK<sub>237</sub>, 4, 1, 0; 2000 QG<sub>249</sub>, 5, 1, 0; 2000 QZ<sub>249</sub>, 8, 2, 32; 2000 QC<sub>251</sub>, 3, 1, 0; 2000 QG<sub>251</sub>, 4, 1, 0; 2000 RX<sub>7</sub>, 7, 2, 31; 2000 RL<sub>1</sub>, 4, 1, 0; 2000 RE<sub>2</sub>, 4, 1, 0; 2000 RV<sub>3</sub>, 8, 2, 31; 2000 RL<sub>4</sub>, 8, 2, 7; 2000 RV<sub>4</sub>, 6, 2, 29; 2000 RW<sub>4</sub>, 4, 1, 0; 2000 RD<sub>6</sub>, 7, 2, 31; 2000 RH<sub>6</sub>, 22, 5, 37; 2000 RE<sub>7</sub>, 8, 2, 24; 2000 RL<sub>7</sub>, 5, 1, 0; 2000 RU<sub>7</sub>, 3, 1, 0; 2000 RV<sub>7</sub>, 9, 2, 6; 2000 RY<sub>7</sub>, 31, 7, 68; 2000 RM<sub>9</sub>, 7, 2, 31; 2000 RF<sub>10</sub>, 42, 9, 67; 2000 RJ<sub>10</sub>, 3, 1, 0; 2000 RR<sub>10</sub>, 34, 8, 65; 2000 RS<sub>10</sub>, 5, 1, 0; 2000 RG<sub>11</sub>, 10, 2, 31; 2000 RM<sub>11</sub>, 13, 3, 64; 2000 RP<sub>11</sub>, 10, 2, 36; 2000 RQ<sub>11</sub>, 5, 1, 0; 2000 RC<sub>13</sub>, 4, 1, 0; 2000 RC<sub>14</sub>, 5, 1, 0; 2000 RU<sub>14</sub>, 4, 1, 0; 2000 RX<sub>15</sub>, 4, 1, 0; 2000 RD<sub>17</sub>, 4, 1, 0; 2000 RD<sub>18</sub>, 12, 3, 57; 2000 RO<sub>18</sub>, 12, 3, 29; 2000 RQ<sub>19</sub>, 18, 4, 67; 2000 RM<sub>20</sub>, 10, 2, 30; 2000 RZ<sub>20</sub>, 3, 1, 0; 2000 RA<sub>22</sub>, 17, 4, 31; 2000 RC<sub>22</sub>, 4, 1, 0; 2000 RN<sub>22</sub>, 12, 3, 27; 2000 RO<sub>22</sub>, 5, 1, 0; 2000 RF<sub>23</sub>, 12, 3, 29; 2000 RP<sub>23</sub>, 3, 1, 0; 2000 RR<sub>23</sub>, 4, 1, 0; 2000 RT<sub>23</sub>, 12, 3, 33; 2000 RA<sub>24</sub>, 9, 2, 26; 2000 RJ<sub>26</sub>, 5, 1, 0; 2000 RQ<sub>27</sub>, 22, 5, 63; 2000 RD<sub>29</sub>, 8, 2, 2; 2000 RW<sub>29</sub>, 22, 5, 28; 2000 RQ<sub>30</sub>, 3, 1, 0; 2000 RU<sub>30</sub>, 13, 3, 30; 2000 RE<sub>31</sub>, 17, 4, 29; 2000 RK<sub>31</sub>, 15, 3, 27; 2000 RL<sub>32</sub>, 4, 1, 0; 2000 RS<sub>32</sub>, 3, 1, 0; 2000 RE<sub>33</sub>, 5, 1, 0; 2000 RJ<sub>33</sub>, 27, 6, 67; 2000 RZ<sub>33</sub>, 22, 5, 39; 2000 RC<sub>34</sub>, 4, 1, 0; 2000 RU<sub>34</sub>, 3, 1, 0; 2000 RP<sub>35</sub>, 26, 6, 67; 2000 RS<sub>35</sub>, 27, 6, 37; 2000 RE<sub>36</sub>, 11, 3, 8; 2000 RH<sub>38</sub>, 5, 1, 0; 2000 RB<sub>39</sub>, 9, 2, 7; 2000 RV<sub>39</sub>, 8, 2, 1056; 2000 RW<sub>39</sub>, 4, 1, 0; 2000 RL<sub>41</sub>, 6, 2, 1; 2000 RV<sub>41</sub>, 12, 3, 29; 2000 RU<sub>42</sub>, 4, 1, 0; 2000 RM<sub>43</sub>, 30, 7, 67; 2000 RU<sub>43</sub>, 22, 5, 28; 2000 RL<sub>44</sub>, 16, 4, 59; 2000 RW<sub>44</sub>, 10, 2, 21; 2000 RE<sub>45</sub>, 20, 4, 37; 2000 RO<sub>45</sub>, 5, 1, 0; 2000 RQ<sub>45</sub>, 3, 1, 0; 2000 RH<sub>46</sub>, 4, 1, 0; 2000 RZ<sub>46</sub>, 17, 4, 38; 2000 RK<sub>47</sub>, 20, 4, 29; 2000 RG<sub>48</sub>, 24, 5, 32; 2000 RW<sub>48</sub>, 3, 1, 0; 2000 RX<sub>48</sub>, 12, 3, 31; 2000 RY<sub>48</sub>, 19, 4, 29; 2000 RJ<sub>49</sub>, 3, 1, 0; 2000 RS<sub>49</sub>, 10, 2, 32; 2000 RA<sub>50</sub>, 4, 1, 0; 2000 RD<sub>50</sub>, 4, 1, 0; 2000 RU<sub>50</sub>, 7, 2, 31; 2000 RD<sub>51</sub>, 3, 1, 0; 2000 RE<sub>51</sub>, 9, 2, 25; 2000 RH<sub>51</sub>, 5, 1, 0; 2000 RQ<sub>51</sub>, 15, 3, 11; 2000 RA<sub>53</sub>, 4, 1, 0; 2000 RC<sub>53</sub>, 6, 2, 31; 2000 RN<sub>53</sub>, 15, 3, 5; 2000 RR<sub>54</sub>, 9, 2, 10; 2000 RX<sub>54</sub>, 3, 1, 0; 2000 RE<sub>55</sub>, 5, 1, 0; 2000 RL<sub>56</sub>, 27, 6, 37; 2000 RS<sub>57</sub>, 13, 3, 7; 2000 RQ<sub>58</sub>, 5, 1, 0; 2000 RA<sub>60</sub>, 22, 5, 37; 2000 RS<sub>60</sub>, 21, 5, 41; 2000 RN<sub>62</sub>, 13, 3, 33; 2000 RY<sub>63</sub>, 7, 2, 24; 2000 RR<sub>64</sub>, 3, 1, 0; 2000 RM<sub>65</sub>, 15, 4, 29; 2000 RQ<sub>65</sub>, 15, 4, 65; 2000 RS<sub>65</sub>, 26, 6, 67; 2000 RN<sub>66</sub>, 17, 5, 60; 2000 RP<sub>66</sub>, 5, 1, 0; 2000 RN<sub>69</sub>, 4, 1, 0; 2000 RW<sub>69</sub>, 4, 1, 0; 2000 RN<sub>71</sub>, 29, 6, 59; 2000 RB<sub>79</sub>, 42, 9, 67; 2000 RV<sub>79</sub>, 4, 1, 0; 2000 RT<sub>80</sub>, 16, 4, 65; 2000 RG<sub>81</sub>, 5, 1, 0; 2000 RC<sub>83</sub>, 17, 4, 21; 2000 RN<sub>83</sub>, 9, 2, 24; 2000 RW<sub>83</sub>, 15, 2, 1; 2000 RR<sub>84</sub>, 3, 1, 0; 2000 RC<sub>87</sub>, 23, 5, 40; 2000 RG<sub>87</sub>, 3, 1, 0; 2000 RV<sub>87</sub>, 5, 1, 0; 2000 RN<sub>88</sub>, 3, 1, 0; 2000 RA<sub>90</sub>, 5, 1, 0; 2000 RQ<sub>90</sub>, 4, 1, 0; 2000 RQ<sub>90</sub>, 22, 5, 2096; 2000 RS<sub>90</sub>, 8, 2, 18; 2000 RM<sub>91</sub>, 4, 1, 0; 2000 RT<sub>91</sub>, 22, 5, 2102; 2000 RC<sub>92</sub>, 9, 2, 28; 2000 RP<sub>92</sub>, 4, 1, 0; 2000 RG<sub>92</sub>, 19, 4, 37; 2000 RV<sub>92</sub>, 7, 2, 7; 2000 RS<sub>94</sub>, 3, 1, 0; 2000 RZ<sub>94</sub>, 17, 4, 31; 2000 RD<sub>95</sub>, 22, 5, 40; 2000 RJ<sub>95</sub>, 16, 4, 2096; 2000 RL<sub>95</sub>, 8, 2, 37; 2000 RY<sub>95</sub>, 3, 1, 0; 2000 RX<sub>96</sub>, 5, 1, 0; 2000 RV<sub>97</sub>, 3, 1, 0; 2000 RF<sub>98</sub>,

8, 2, 61; 2000 RJ<sub>100</sub>, 3, 1, 0; 2000 RY<sub>100</sub>, 4, 1, 0; 2000 RZ<sub>103</sub>, 4, 1, 0; 2000 RH<sub>104</sub>, 23, 5, 56; 2000 RL<sub>104</sub>, 5, 1, 0; 2000 RX<sub>104</sub>, 22, 5, 66; 2000 SL<sub>1</sub>, 14, 3, 7; 2000 SG<sub>3</sub>, 3, 1, 0; 2000 SL<sub>3</sub>, 3, 1, 0; 2000 SR<sub>3</sub>, 4, 1, 0; 2000 SC<sub>4</sub>, 8, 2, 5; 2000 SK<sub>4</sub>, 8, 2, 21; 2000 SU<sub>4</sub>, 9, 2, 10; 2000 SZ<sub>4</sub>, 4, 1, 0; 2000 SB<sub>6</sub>, 4, 1, 0; 2000 SB<sub>7</sub>, 5, 1, 0; 2000 SO<sub>7</sub>, 4, 1, 0; 2000 SH<sub>9</sub>, 3, 1, 0; 2000 SX<sub>10</sub>, 5, 1, 0; 2000 SZ<sub>12</sub>, 5, 1, 0; 2000 SD<sub>13</sub>, 5, 1, 0; 2000 SD<sub>14</sub>, 21, 5, 63; 2000 SY<sub>14</sub>, 5, 1, 0; 2000 SG<sub>15</sub>, 8, 2, 11; 2000 SO<sub>17</sub>, 8, 2, 27; 2000 SN<sub>18</sub>, 12, 3, 1091; 2000 SR<sub>20</sub>, 28, 7, 68; 2000 SH<sub>23</sub>, 5, 1, 0; 2000 SO<sub>23</sub>, 4, 1, 0; 2000 SM<sub>24</sub>, 4, 1, 0; 2000 SD<sub>25</sub>, 5, 1, 0; 2000 SF<sub>27</sub>, 4, 1, 0; 2000 SR<sub>30</sub>, 5, 1, 0; 2000 SB<sub>32</sub>, 15, 4, 37; 2000 SC<sub>34</sub>, 10, 3, 60; 2000 SQ<sub>34</sub>, 11, 3, 30; 2000 SY<sub>34</sub>, 5, 1, 0; 2000 SD<sub>37</sub>, 5, 1, 0; 2000 SU<sub>37</sub>, 7, 2, 34; 2000 SU<sub>38</sub>, 15, 3, 37; 2000 SM<sub>39</sub>, 7, 2, 5; 2000 SW<sub>39</sub>, 17, 4, 10; 2000 SC<sub>40</sub>, 7, 2, 5; 2000 SO<sub>41</sub>, 6, 2, 3; 2000 SX<sub>41</sub>, 9, 2, 12; 2000 SW<sub>42</sub>, 19, 4, 28; 2000 SM<sub>43</sub>, 5, 1, 0; 2000 SO<sub>43</sub>, 3, 1, 0; 2000 SP<sub>43</sub>, 8, 2, 10; 2000 SS<sub>45</sub>, 3, 1, 0; 2000 SB<sub>46</sub>, 4, 1, 0; 2000 SL<sub>47</sub>, 7, 2, 36; 2000 ST<sub>47</sub>, 3, 1, 0; 2000 SL<sub>51</sub>, 8, 2, 21; 2000 SN<sub>52</sub>, 4, 1, 0; 2000 SC<sub>55</sub>, 8, 2, 1; 2000 SF<sub>57</sub>, 4, 1, 0; 2000 SG<sub>57</sub>, 14, 3, 28; 2000 SM<sub>59</sub>, 12, 3, 11; 2000 SU<sub>59</sub>, 9, 2, 7; 2000 SY<sub>59</sub>, 14, 3, 56; 2000 SN<sub>60</sub>, 5, 1, 0; 2000 SM<sub>63</sub>, 9, 2, 11; 2000 SM<sub>64</sub>, 7, 2, 19; 2000 SU<sub>64</sub>, 3, 1, 0; 2000 SV<sub>64</sub>, 5, 1, 0; 2000 SH<sub>66</sub>, 4, 1, 0; 2000 SO<sub>66</sub>, 23, 5, 32; 2000 SQ<sub>66</sub>, 4, 1, 0; 2000 SU<sub>67</sub>, 3, 1, 0; 2000 SV<sub>67</sub>, 4, 1, 0; 2000 SB<sub>69</sub>, 3, 1, 0; 2000 SG<sub>69</sub>, 13, 3, 40; 2000 SJ<sub>71</sub>, 5, 1, 0; 2000 SM<sub>74</sub>, 14, 3, 51; 2000 SL<sub>75</sub>, 27, 6, 67; 2000 SR<sub>75</sub>, 5, 1, 0; 2000 SA<sub>76</sub>, 4, 1, 0; 2000 SO<sub>79</sub>, 4, 1, 0; 2000 SP<sub>79</sub>, 5, 1, 0; 2000 SV<sub>79</sub>, 3, 1, 0; 2000 SD<sub>82</sub>, 5, 1, 0; 2000 SJ<sub>82</sub>, 4, 1, 0; 2000 SP<sub>83</sub>, 5, 1, 0; 2000 SP<sub>84</sub>, 3, 1, 0; 2000 SV<sub>84</sub>, 23, 5, 27; 2000 SB<sub>85</sub>, 3, 1, 0; 2000 SC<sub>85</sub>, 20, 4, 37; 2000 SE<sub>85</sub>, 9, 2, 8; 2000 SL<sub>85</sub>, 3, 1, 0; 2000 SY<sub>86</sub>, 10, 2, 7; 2000 SB<sub>87</sub>, 4, 1, 0; 2000 SO<sub>87</sub>, 4, 1, 0; 2000 SS<sub>87</sub>, 28, 6, 60; 2000 SN<sub>88</sub>, 7, 2, 31; 2000 SK<sub>91</sub>, 4, 1, 0; 2000 SC<sub>92</sub>, 5, 1, 0; 2000 SO<sub>92</sub>, 31, 6, 41; 2000 SM<sub>93</sub>, 5, 1, 0; 2000 SQ<sub>94</sub>, 17, 4, 38; 2000 SZ<sub>96</sub>, 3, 1, 0; 2000 SQ<sub>98</sub>, 7, 2, 21; 2000 SS<sub>98</sub>, 4, 1, 0; 2000 SL<sub>99</sub>, 21, 5, 59; 2000 SB<sub>102</sub>, 10, 2, 5; 2000 SG<sub>102</sub>, 21, 5, 37; 2000 SC<sub>103</sub>, 4, 1, 0; 2000 SF<sub>104</sub>, 4, 1, 0; 2000 SM<sub>104</sub>, 5, 1, 0; 2000 SS<sub>104</sub>, 4, 1, 0; 2000 SV<sub>104</sub>, 5, 1, 0; 2000 SB<sub>105</sub>, 4, 1, 0; 2000 SG<sub>105</sub>, 7, 2, 5; 2000 SR<sub>105</sub>, 4, 1, 0; 2000 SO<sub>106</sub>, 4, 1, 0; 2000 SU<sub>106</sub>, 14, 3, 31; 2000 SW<sub>107</sub>, 9, 2, 9; 2000 SY<sub>110</sub>, 6, 2, 5; 2000 SB<sub>111</sub>, 14, 3, 7; 2000 SL<sub>111</sub>, 13, 3, 40; 2000 SO<sub>111</sub>, 8, 2, 31; 2000 SA<sub>112</sub>, 13, 3, 31; 2000 SB<sub>112</sub>, 18, 4, 37; 2000 SO<sub>112</sub>, 12, 3, 27; 2000 SZ<sub>112</sub>, 19, 4, 37; 2000 SE<sub>113</sub>, 36, 7, 61; 2000 SC<sub>114</sub>, 7, 2, 507; 2000 ST<sub>114</sub>, 4, 1, 0; 2000 SG<sub>115</sub>, 8, 2, 27; 2000 SH<sub>115</sub>, 10, 2, 8; 2000 SK<sub>115</sub>, 14, 3, 9; 2000 SG<sub>116</sub>, 7, 2, 31; 2000 SN<sub>117</sub>, 10, 3, 21; 2000 SQ<sub>117</sub>, 8, 2, 2; 2000 SK<sub>118</sub>, 4, 1, 0; 2000 SB<sub>119</sub>, 3, 1, 0; 2000 SH<sub>119</sub>, 19, 5, 88; 2000 SU<sub>120</sub>, 3, 1, 0; 2000 SZ<sub>120</sub>, 17, 4, 38; 2000 SA<sub>121</sub>, 12, 3, 9; 2000 SN<sub>121</sub>, 7, 2, 7; 2000 SB<sub>122</sub>, 18, 4, 11; 2000 SG<sub>122</sub>, 13, 3, 8; 2000 SJ<sub>122</sub>, 9, 2, 5; 2000 SB<sub>123</sub>, 19, 5, 28; 2000 SF<sub>123</sub>, 4, 1, 0; 2000 SJ<sub>123</sub>, 14, 3, 10; 2000 SP<sub>124</sub>, 4, 1, 0; 2000 SG<sub>125</sub>, 5, 1, 0; 2000 SH<sub>125</sub>, 11, 3, 28; 2000 SK<sub>125</sub>, 17, 4, 27; 2000 SE<sub>126</sub>, 14, 3, 28; 2000 SQ<sub>126</sub>, 5, 1, 0; 2000 SZ<sub>126</sub>, 4, 1, 0; 2000 SG<sub>127</sub>, 13, 3, 10; 2000 SK<sub>127</sub>, 5, 1, 0; 2000 SS<sub>127</sub>, 22, 5, 27; 2000 SA<sub>128</sub>, 5, 1, 0; 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2000 ST<sub>146</sub>, 24, 5, 57; 2000 SU<sub>146</sub>, 6, 2, 10; 2000 SQ<sub>147</sub>

2000 SY<sub>232</sub>, 5, 1, 0; 2000 SX<sub>233</sub>, 11, 3, 52; 2000 SY<sub>233</sub>, 3, 1, 0; 2000 SO<sub>234</sub>, 10, 2, 12; 2000 SU<sub>235</sub>, 5, 1, 0; 2000 SF<sub>236</sub>, 3, 1, 0; 2000 SK<sub>237</sub>, 13, 3, 8; 2000 SS<sub>237</sub>, 4, 1, 0; 2000 SE<sub>239</sub>, 11, 3, 31; 2000 SY<sub>239</sub>, 21, 4, 8; 2000 SY<sub>240</sub>, 33, 6, 26; 2000 SJ<sub>241</sub>, 17, 4, 29; 2000 SS<sub>243</sub>, 3, 1, 0; 2000 SX<sub>243</sub>, 13, 3, 31; 2000 SA<sub>246</sub>, 3, 1, 0; 2000 SG<sub>246</sub>, 11, 2, 33; 2000 SQ<sub>246</sub>, 8, 2, 5; 2000 SN<sub>247</sub>, 5, 1, 0; 2000 SH<sub>251</sub>, 8, 2, 6; 2000 SZ<sub>253</sub>, 5, 1, 0; 2000 ST<sub>256</sub>, 5, 1, 0; 2000 SO<sub>257</sub>, 6, 2, 3; 2000 SK<sub>258</sub>, 7, 2, 10; 2000 SQ<sub>258</sub>, 9, 2, 10; 2000 SG<sub>261</sub>, 12, 3, 35; 2000 SL<sub>261</sub>, 5, 1, 0; 2000 SQ<sub>261</sub>, 4, 1, 0; 2000 SR<sub>263</sub>, 5, 1, 0; 2000 SE<sub>264</sub>, 4, 1, 0; 2000 SQ<sub>265</sub>, 4, 1, 0; 2000 SE<sub>265</sub>, 8, 2, 9; 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2000 UX<sub>3</sub>, 14, 3, 35; 2000 UB<sub>5</sub>, 17, 3, 9; 2000 UJ<sub>5</sub>, 26, 6, 68; 2000 UL<sub>5</sub>, 18, 4, 31; 2000 UN<sub>5</sub>, 3, 1, 0; 2000 UA<sub>6</sub>, 28, 6, 569; 2000 UA<sub>7</sub>, 3, 1, 0; 2000 UQ<sub>7</sub>, 7, 2, 21; 2000 UR<sub>7</sub>, 8, 2, 2; 2000 UX<sub>7</sub>, 14, 3, 5; 2000 UY<sub>7</sub>, 5, 1, 0; 2000 UA<sub>8</sub>, 7, 2, 3; 2000 UG<sub>8</sub>, 22, 5, 32; 2000 UH<sub>8</sub>, 4, 1, 0; 2000 UL<sub>9</sub>, 9, 2, 29; 2000 UQ<sub>9</sub>, 3, 1, 0; 2000 UY<sub>9</sub>, 5, 1, 0; 2000 UC<sub>10</sub>, 10, 2, 3; 2000 UX<sub>10</sub>, 5, 1, 0; 2000 UY<sub>10</sub>, 6, 2, 19; 2000 UQ<sub>11</sub>, 18, 4, 27; 2000 UR<sub>12</sub>, 3, 1, 0; 2000 UT<sub>13</sub>, 18, 4, 37; 2000 US<sub>14</sub>, 8, 2, 31; 2000 UE<sub>15</sub>, 9, 2, 19; 2000 UQ<sub>15</sub>, 13, 3, 21; 2000 UP<sub>16</sub>, 4, 1, 0; 2000 UU<sub>16</sub>, 18, 4, 78; 2000 UX<sub>16</sub>, 3, 1, 0; 2000 UP<sub>17</sub>, 4, 1, 0; 2000 UH<sub>18</sub>, 4, 1, 0; 2000 UH<sub>19</sub>, 4, 1, 0; 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2000 UZ<sub>35</sub>, 9, 2, 6; 2000 UG<sub>36</sub>, 3, 1, 0; 2000 UR<sub>36</sub>, 5, 1, 0; 2000 UC<sub>37</sub>, 13, 3, 10; 2000 UO<sub>37</sub>, 4, 1, 0; 2000 UE<sub>38</sub>, 7, 2, 11; 2000 UR<sub>38</sub>, 3, 1, 0; 2000 UE<sub>39</sub>, 4, 1, 0; 2000 UF<sub>39</sub>, 4, 1, 0; 2000 UG<sub>40</sub>, 7, 2, 3; 2000 UA<sub>41</sub>, 14, 3, 10; 2000 UE<sub>41</sub>, 4, 1, 0; 2000 UW<sub>42</sub>, 7, 2, 31; 2000 UF<sub>43</sub>, 13, 3, 27; 2000 UP<sub>43</sub>, 21, 5, 27; 2000 UO<sub>43</sub>, 14, 3, 10; 2000 UX<sub>43</sub>, 9, 2, 7; 2000 UJ<sub>45</sub>, 14, 4, 37; 2000 UD<sub>46</sub>, 3, 1, 0; 2000 UZ<sub>46</sub>, 13, 3, 34; 2000 UJ<sub>47</sub>, 7, 2, 31; 2000 UN<sub>47</sub>, 4, 1, 0; 2000 UF<sub>48</sub>, 7, 2, 2; 2000 UO<sub>48</sub>, 10, 2, 32; 2000 UZ<sub>48</sub>, 4, 1, 0; 2000 UF<sub>49</sub>, 9, 2, 1538; 2000 UH<sub>49</sub>, 3, 1, 0; 2000 US<sub>49</sub>, 8, 2, 57; 2000 UD<sub>50</sub>, 5, 1, 0; 2000 UE<sub>50</sub>, 7, 2, 6; 2000 UF<sub>50</sub>, 4, 1, 0; 2000 UP<sub>50</sub>, 13, 3, 32; 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5, 1, 0; 2000 US<sub>62</sub>, 6, 2, 11; 2000 UL<sub>63</sub>, 4, 1, 0; 2000 UM<sub>63</sub>, 19, 4, 11; 2000 UP<sub>63</sub>, 8, 2, 28; 2000 UQ<sub>63</sub>, 14, 3, 11; 2000 UT<sub>63</sub>, 3, 1, 0; 2000 UC<sub>65</sub>, 3, 1, 0; 2000 UH<sub>65</sub>, 8, 2, 11; 2000 UJ<sub>65</sub>, 7, 2, 4; 2000 UL<sub>65</sub>, 6, 2, 3; 2000 US<sub>66</sub>, 14, 3, 7; 2000 UY<sub>66</sub>, 15, 3, 31; 2000 UG<sub>67</sub>, 17, 4, 27; 2000 UW<sub>68</sub>, 7, 2, 1; 2000 UO<sub>69</sub>, 4, 1, 0; 2000 UQ<sub>69</sub>, 13, 3, 37; 2000 US<sub>69</sub>, 4, 1, 0; 2000 UK<sub>70</sub>, 14, 3, 9; 2000 UP<sub>70</sub>, 9, 2, 10; 2000 UW<sub>70</sub>, 13, 3, 8; 2000 UZ<sub>70</sub>, 5, 1, 0; 2000 UA<sub>71</sub>, 17, 4, 11; 2000 UE<sub>71</sub>, 5, 1, 0; 2000 UY<sub>71</sub>, 12, 3, 7; 2000 UD<sub>72</sub>, 21, 5, 37; 2000 UZ<sub>72</sub>, 5, 1, 0; 2000 UJ<sub>74</sub>, 13, 3, 31; 2000 UK<sub>74</sub>, 3, 1, 0; 2000 US<sub>74</sub>, 3, 1, 0; 2000 UZ<sub>77</sub>, 13, 3, 31; 2000 UD<sub>78</sub>, 4, 1, 0; 2000 UM<sub>79</sub>, 16, 4, 29; 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2000 WL<sub>41</sub>, 3, 1, 0; 2000 WM<sub>41</sub>, 7, 2, 21; 2000 WN<sub>41</sub>, 13, 3, 8; 2000 WR<sub>41</sub>, 5, 1, 0; 2000 WB<sub>43</sub>, 8, 1, 0; 2000 WJ<sub>43</sub>, 8, 2, 31; 2000 WQ<sub>43</sub>, 3, 1, 0; 2000 WX<sub>43</sub>, 23, 5, 37; 2000 WS<sub>44</sub>, 18, 5, 505; 2000 WX<sub>44</sub>, 4, 1, 0; 2000 WF<sub>45</sub>, 5, 1, 0; 2000 WO<sub>45</sub>, 12, 3, 10; 2000 WN<sub>46</sub>, 5, 1, 0; 2000 WC<sub>47</sub>, 7, 2, 8; 2000 WJ<sub>47</sub>, 11, 3, 37; 2000 WO<sub>47</sub>, 5, 1, 0; 2000 WR<sub>47</sub>, 10, 2, 3; 2000 WK<sub>48</sub>, 8, 2, 5; 2000 WR<sub>48</sub>, 12, 3, 33; 2000 WU<sub>48</sub>, 8, 2, 35; 2000 WK<sub>49</sub>, 10, 2, 32; 2000 WX<sub>49</sub>, 4, 1, 0; 2000 WA<sub>50</sub>, 7, 2, 35; 2000 WR<sub>50</sub>, 22, 5, 68; 2000 WB<sub>51</sub>, 8, 2, 31; 2000 WL<sub>51</sub>, 4, 1, 0; 2000 WK<sub>54</sub>, 21, 5, 86; 2000 WM<sub>54</sub>, 25, 6, 69; 2000 WN<sub>54</sub>, 8, 2, 3; 2000 WT<sub>54</sub>, 9, 2, 6; 2000 WW<sub>54</sub>, 17, 4, 452; 2000 WB<sub>55</sub>, 15, 3, 37; 2000 WF<sub>55</sub>, 7, 2, 1470; 2000 WE<sub>56</sub>, 15, 3, 10; 2000 WN<sub>56</sub>, 4, 1, 0; 2000 WQ<sub>56</sub>, 9, 2, 3; 2000 WO<sub>57</sub>, 5, 1, 0; 2000 WA<sub>58</sub>, 8, 2, 9; 2000 WQ<sub>58</sub>, 10, 2, 31; 2000 WA<sub>59</sub>, 7, 2, 5; 2000 WN<sub>59</sub>, 5, 1, 0; 2000 WQ<sub>59</sub>, 9, 2, 6; 2000 WR<sub>59</sub>, 11, 3, 37; 2000 WD<sub>60</sub>, 26, 6, 31; 2000 WT<sub>60</sub>, 9, 2, 54; 2000 WU<sub>60</sub>, 13, 3, 34; 2000 WK<sub>61</sub>, 12, 3, 29; 2000 WM<sub>61</sub>, 5, 1, 0; 2000 WN<sub>61</sub>, 9, 2, 3; 2000 WO<sub>61</sub>, 7, 2, 9; 2000 WR<sub>61</sub>, 13, 3, 27; 2000 WS<sub>61</sub>, 16, 4, 28; 2000 WW<sub>61</sub>, 13, 3, 11; 2000 WY<sub>61</sub>, 14, 3, 8; 2000 WU<sub>62</sub>, 5, 1, 0; 2000 WA<sub>63</sub>, 9, 2, 7; 2000 WF<sub>63</sub>, 4, 1, 0; 2000 WJ<sub>67</sub>, 3, 1, 0; 2000 WA<sub>68</sub>, 8, 2, 475; 2000 WJ<sub>68</sub>, 5, 1, 0; 2000 WB<sub>69</sub>, 9, 2, 25; 2000 WF<sub>69</sub>, 4, 1, 0; 2000 WK<sub>69</sub>, 23, 5, 54; 2000 WQ<sub>69</sub>, 3, 1, 0; 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2000 XP<sub>1</sub>, 12, 3, 54; 2000 XD<sub>2</sub>, 4, 1, 0; 2000 XG<sub>2</sub>, 4, 1, 0; 2000 XK<sub>2</sub>, 4, 1, 0; 2000 XP<sub>2</sub>, 7, 2, 9; 2000 XC<sub>4</sub>, 21, 5, 33; 2000 XO<sub>5</sub>, 10, 2, 7; 2000 XQ<sub>5</sub>, 13, 3, 7; 2000 XT<sub>5</sub>, 8, 2, 11; 2000 XV<sub>5</sub>, 3, 1, 0; 2000 XG<sub>6</sub>, 9, 2, 8; 2000 XP<sub>6</sub>, 4, 1, 0; 2000 XU<sub>6</sub>, 3, 1, 0; 2000 XV<sub>6</sub>, 12, 3, 11; 2000 XW<sub>6</sub>, 17, 4, 37; 2000 XA<sub>7</sub>, 4, 1, 0; 2000 XJ<sub>7</sub>, 3, 1, 0; 2000 XK<sub>7</sub>, 5, 1, 0; 2000 XM<sub>7</sub>, 18, 4, 36; 2000 XZ<sub>7</sub>, 29, 6, 60; 2000 XC<sub>8</sub>, 4, 1, 0; 2000 XF<sub>8</sub>, 21, 5, 35; 2000 XZ<sub>8</sub>, 12, 3, 11; 2000 XV<sub>9</sub>, 4, 1, 0; 2000 XE<sub>10</sub>, 16, 4, 59; 2000 XT<sub>10</sub>, 4, 1, 0; 2000 XU<sub>10</sub>, 24, 5, 70; 2000 XO<sub>11</sub>, 5, 1, 0; 2000 XS<sub>11</sub>, 4, 1, 0; 2000 XD<sub>12</sub>, 5, 1, 0; 2000 XE<sub>12</sub>, 17, 4, 38; 2000 XM<sub>12</sub>, 18, 3, 37; 2000 XO<sub>12</sub>, 13, 3, 11; 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2000 YO<sub>80</sub>, 20, 4, 27; 2000 YV<sub>80</sub>, 32, 7, 68; 2000 YE<sub>81</sub>, 4, 1, 0; 2000 YT<sub>81</sub>, 5, 1, 0; 2000 YX<sub>81</sub>, 19, 4, 38; 2000 YD<sub>82</sub>, 3, 1, 0; 2000 YG<sub>83</sub>, 4, 1, 0; 2000 YQ<sub>84</sub>, 9, 1, 0; 2000 YS<sub>84</sub>, 13, 3, 9; 2000 YV<sub>84</sub>, 14, 3, 31; 2000 YZ<sub>84</sub>, 18, 4, 58; 2000 YH<sub>85</sub>, 9, 2, 21; 2000 YN<sub>86</sub>, 42, 9, 67; 2000 YQ<sub>86</sub>, 12, 3, 8; 2000 YZ<sub>86</sub>, 8, 2, 4; 2000 YT<sub>87</sub>, 23, 5, 37; 2000 YQ<sub>88</sub>, 19, 4, 37; 2000 YU<sub>89</sub>, 10, 2, 20; 2000 YM<sub>90</sub>, 8, 2, 8; 2000 YN<sub>90</sub>, 22, 4, 27; 2000 YV<sub>91</sub>, 4, 1, 0; 2000 YW<sub>91</sub>, 17, 4, 10; 2000 YY<sub>91</sub>, 17, 4, 11; 2000 YD<sub>92</sub>, 7, 2, 5; 2000 YX<sub>92</sub>, 14, 3, 9; 2000 YG<sub>93</sub>, 11, 3, 32; 2000 YO<sub>93</sub>, 5, 1, 0; 2000 YP<sub>94</sub>, 5, 1, 0; 2000 YR<sub>94</sub>, 5, 1, 0; 2000 YV<sub>94</sub>, 5, 1, 0; 2000 YM<sub>95</sub>, 13, 3, 29; 2000 YL<sub>96</sub>, 9, 2, 8; 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2000 YF<sub>116</sub>, 13, 3, 1501; 2000 YJ<sub>116</sub>, 25, 6, 1511; 2000 YR<sub>116</sub>, 12, 3, 40; 2000 YD<sub>117</sub>, 8, 2, 5; 2000 YE<sub>117</sub>, 10, 2, 7; 2000 YH<sub>117</sub>, 4, 1, 0; 2000 YX<sub>117</sub>, 3, 1, 0; 2000 YB<sub>118</sub>, 10, 3, 12; 2000 YH<sub>118</sub>, 3, 1, 0; 2000 YK<sub>118</sub>, 4, 1, 0; 2000 YX<sub>118</sub>, 19, 5, 37; 2000 YR<sub>119</sub>, 7, 2, 445; 2000 YK<sub>120</sub>, 7, 2, 8; 2000 YM<sub>120</sub>, 3, 1, 0; 2000 YP<sub>120</sub>, 5, 1, 0; 2000 YU<sub>120</sub>, 10, 2, 9; 2000 YV<sub>120</sub>, 15, 3, 9; 2000 YX<sub>120</sub>, 5, 1, 0; 2000 YG<sub>121</sub>, 5, 1, 0; 2000 YK<sub>121</sub>, 12, 3, 70; 2000 YZ<sub>121</sub>, 4, 1, 0; 2000 YM<sub>122</sub>, 5, 1, 0; 2000 YL<sub>123</sub>, 17, 4, 11; 2000 YG<sub>124</sub>, 7, 2, 6; 2000 YH<sub>125</sub>, 9, 2, 8; 2000 YL<sub>125</sub>, 8, 2, 8; 2000 YU<sub>125</sub>, 3, 1, 0; 2000 YV<sub>126</sub>, 25, 5, 37; 2000 YU<sub>127</sub>, 14, 3, 9; 2000 YX<sub>127</sub>, 26, 6, 13; 2000 YA<sub>128</sub>, 9, 2, 6; 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2001 BH<sub>6</sub>, 13, 3, 8; 2001 BZ<sub>6</sub>, 10, 2, 21; 2001 BB<sub>8</sub>, 4, 1, 0; 2001 BG<sub>8</sub>, 5, 1, 0; 2001 BE<sub>9</sub>, 5, 1, 0; 2001 BM<sub>9</sub>, 5, 1, 0; 2001 BO<sub>9</sub>, 3, 1, 0; 2001 BA<sub>11</sub>, 5, 1, 0; 2001 BE<sub>11</sub>, 7, 2, 27; 2001 BN<sub>13</sub>, 8, 2, 7; 2001 BU<sub>13</sub>, 15, 4, 40; 2001 BV<sub>14</sub>, 32, 7, 61; 2001 BB<sub>15</sub>, 5, 1, 0; 2001 BJ<sub>15</sub>, 3, 1, 0; 2001 BL<sub>15</sub>, 7, 2, 6; 2001 BL<sub>17</sub>, 18, 4, 27; 2001 BC<sub>18</sub>, 24, 5, 37; 2001 BT<sub>19</sub>, 5,

1, 0; 2001 BA<sub>20</sub>, 14, 3, 9; 2001 BW<sub>21</sub>, 12, 3, 1558; 2001 BY<sub>21</sub>, 18, 3, 12; 2001 BJ<sub>22</sub>, 12, 3, 38; 2001 BQ<sub>22</sub>, 18, 4, 36; 2001 BG<sub>23</sub>, 12, 3, 9; 2001 BC<sub>24</sub>, 12, 3, 28; 2001 BO<sub>24</sub>, 4, 1, 0; 2001 BR<sub>24</sub>, 5, 1, 0; 2001 BZ<sub>24</sub>, 3, 1, 0; 2001 BF<sub>25</sub>, 4, 1, 0; 2001 BF<sub>25</sub>, 17, 4, 37; 2001 BD<sub>26</sub>, 6, 2, 19; 2001 BV<sub>26</sub>, 7, 2, 10; 2001 BW<sub>26</sub>, 4, 1, 0; 2001 BD<sub>28</sub>, 5, 1, 0; 2001 BH<sub>28</sub>, 18, 4, 28; 2001 BM<sub>28</sub>, 10, 2, 10; 2001 BN<sub>28</sub>, 3, 1, 0; 2001 BV<sub>28</sub>, 16, 4, 27; 2001 BN<sub>30</sub>, 15, 3, 26; 2001 BS<sub>30</sub>, 5, 1, 0; 2001 BA<sub>32</sub>, 7, 2, 7; 2001 BD<sub>32</sub>, 12, 3, 27; 2001 BE<sub>32</sub>, 9, 2, 10; 2001 BS<sub>32</sub>, 3, 1, 0; 2001 BL<sub>33</sub>, 14, 3, 28; 2001 BN<sub>33</sub>, 15, 4, 27; 2001 BB<sub>34</sub>, 21, 5, 13; 2001 BD<sub>34</sub>, 23, 5, 38; 2001 BE<sub>34</sub>, 17, 4, 37; 2001 BF<sub>34</sub>, 8, 2, 8; 2001 BV<sub>34</sub>, 8, 2, 1813; 2001 BW<sub>34</sub>, 3, 1, 0; 2001 BZ<sub>34</sub>, 13, 3, 9; 2001 BJ<sub>36</sub>, 6, 2, 3; 2001 BG<sub>37</sub>, 5, 1, 0; 2001 BG<sub>39</sub>, 4, 1, 0; 2001 BV<sub>39</sub>, 18, 4, 11; 2001 BW<sub>39</sub>, 4, 1, 0; 2001 BY<sub>39</sub>, 16, 5, 32; 2001 BU<sub>40</sub>, 14, 3, 10; 2001 BY<sub>40</sub>, 22, 5, 31; 2001 BN<sub>41</sub>, 6, 2, 29; 2001 BU<sub>41</sub>, 29, 7, 68; 2001 BM<sub>43</sub>, 10, 2, 4; 2001 BR<sub>43</sub>, 4, 1, 0; 2001 BA<sub>44</sub>, 4, 1, 0; 2001 BK<sub>45</sub>, 7, 2, 1273; 2001 BL<sub>45</sub>, 18, 4, 37; 2001 BF<sub>45</sub>, 18, 4, 1367; 2001 BU<sub>45</sub>, 3, 1, 0; 2001 BG<sub>46</sub>, 15, 3, 9; 2001 BK<sub>46</sub>, 4, 1, 0; 2001 BY<sub>46</sub>, 10, 2, 24; 2001 BJ<sub>47</sub>, 14, 3, 43; 2001 BL<sub>47</sub>, 4, 1, 0; 2001 BO<sub>47</sub>, 32, 7, 38; 2001 BS<sub>47</sub>, 5, 1, 0; 2001 BW<sub>47</sub>, 7, 2, 2; 2001 BB<sub>48</sub>, 20, 5, 37; 2001 BG<sub>48</sub>, 4, 1, 0; 2001 BJ<sub>48</sub>, 5, 1, 0; 2001 BK<sub>49</sub>, 21, 5, 47; 2001 BS<sub>49</sub>, 10, 2, 25; 2001 BW<sub>49</sub>, 4, 1, 0; 2001 BL<sub>50</sub>, 16, 4, 31; 2001 BO<sub>50</sub>, 29, 6, 62; 2001 BQ<sub>50</sub>, 4, 1, 0; 2001 BX<sub>50</sub>, 25, 5, 30; 2001 BM<sub>51</sub>, 4, 1, 0; 2001 BZ<sub>51</sub>, 5, 1, 0; 2001 BJ<sub>52</sub>, 24, 6, 38; 2001 BA<sub>53</sub>, 4, 1, 0; 2001 BY<sub>53</sub>, 28, 7, 66; 2001 BA<sub>54</sub>, 19, 4, 65; 2001 BT<sub>55</sub>, 10, 2, 3; 2001 BL<sub>56</sub>, 13, 3, 12; 2001 BF<sub>56</sub>, 4, 1, 0; 2001 BD<sub>57</sub>, 13, 3, 47; 2001 BZ<sub>57</sub>, 7, 2, 7; 2001 BC<sub>58</sub>, 24, 5, 61; 2001 BD<sub>58</sub>, 8, 2, 33; 2001 BG<sub>59</sub>, 4, 1, 0; 2001 BP<sub>59</sub>, 10, 2, 4; 2001 BR<sub>59</sub>, 10, 2, 7; 2001 BU<sub>59</sub>, 4, 1, 0; 2001 BX<sub>59</sub>, 15, 3, 10; 2001 BZ<sub>59</sub>, 4, 1, 0; 2001 BG<sub>60</sub>, 13, 3, 10; 2001 BP<sub>60</sub>, 15, 3, 9; 2001 BX<sub>60</sub>, 3, 1, 0; 2001 BA<sub>61</sub>, 11, 3, 1448; 2001 BB<sub>61</sub>, 21, 5, 28; 2001 BU<sub>61</sub>, 23, 5, 38; 2001 BV<sub>61</sub>, 22, 4, 42; 2001 BY<sub>61</sub>, 4, 1, 0; 2001 BA<sub>62</sub>, 9, 2, 19; 2001 BG<sub>62</sub>, 5, 1, 0; 2001 BN<sub>62</sub>, 5, 1, 0; 2001 BR<sub>62</sub>, 16, 4, 31; 2001 BC<sub>63</sub>, 5, 1, 0; 2001 BJ<sub>63</sub>, 13, 3, 10; 2001 BW<sub>63</sub>, 4, 1, 0; 2001 BY<sub>63</sub>, 6, 2, 7; 2001 BF<sub>64</sub>, 14, 3, 27; 2001 BO<sub>64</sub>, 5, 1, 0; 2001 BT<sub>64</sub>, 30, 6, 28; 2001 BJ<sub>65</sub>, 4, 1, 0; 2001 BP<sub>65</sub>, 9, 2, 9; 2001 BT<sub>65</sub>, 3, 1, 0; 2001 BU<sub>65</sub>, 18, 3, 36; 2001 BE<sub>67</sub>, 3, 1, 0; 2001 BJ<sub>67</sub>, 22, 4, 1359; 2001 BM<sub>67</sub>, 4, 1, 0; 2001 BM<sub>68</sub>, 7, 2, 3; 2001 BU<sub>68</sub>, 4, 1, 0; 2001 BC<sub>69</sub>, 7, 2, 10; 2001 BG<sub>69</sub>, 4, 1, 0; 2001 BU<sub>69</sub>, 14, 3, 12; 2001 BF<sub>70</sub>, 14, 3, 1953; 2001 BL<sub>71</sub>, 4, 1, 0; 2001 BP<sub>71</sub>, 13, 3, 31; 2001 BB<sub>73</sub>, 5, 1, 0; 2001 BU<sub>73</sub>, 5, 1, 0; 2001 BL<sub>74</sub>, 17, 4, 28; 2001 BW<sub>74</sub>, 10, 2, 10; 2001 BX<sub>74</sub>, 3, 1, 0; 2001 BY<sub>74</sub>, 3, 1, 0; 2001 BA<sub>75</sub>, 12, 3, 8; 2001 BL<sub>75</sub>, 5, 1, 0; 2001 BG<sub>76</sub>, 19, 4, 36; 2001 BL<sub>76</sub>, 5, 1, 0; 2001 BQ<sub>76</sub>, 4, 1, 0; 2001 BT<sub>76</sub>, 19, 4, 11; 2001 BW<sub>76</sub>, 3, 1, 0; 2001 BX<sub>76</sub>, 8, 2, 8; 2001 BY<sub>76</sub>, 14, 3, 10; 2001 BM<sub>77</sub>, 8, 2, 9; 2001 BP<sub>77</sub>, 5, 1, 0; 2001 BX<sub>77</sub>, 14, 3, 10; 2001 BF<sub>78</sub>, 10, 2, 4; 2001 BM<sub>78</sub>, 5, 1, 0; 2001 BT<sub>78</sub>, 20, 4, 6; 2001 BQ<sub>79</sub>, 12, 3, 13; 2001 BC<sub>80</sub>, 17, 4, 37; 2001 BG<sub>80</sub>, 5, 1, 0; 2001 BR<sub>80</sub>, 9, 2, 28; 2001 BN<sub>82</sub>, 4, 1, 0; 2001 CO, 4, 1, 0; 2001 CR, 3, 1, 0; 2001 CY, 5, 1, 0; 2001 CF<sub>1</sub>, 12, 3, 13; 2001 CL<sub>1</sub>, 3, 1, 0; 2001 CF<sub>2</sub>, 9, 2, 3; 2001 CM<sub>2</sub>, 9, 2, 6; 2001 CT<sub>2</sub>, 10, 2, 8; 2001 CX<sub>2</sub>, 29, 7, 32; 2001 CC<sub>3</sub>, 5, 1, 0; 2001 CD<sub>3</sub>, 12, 3, 29; 2001 CE<sub>3</sub>, 18, 4, 37; 2001 CT<sub>3</sub>, 13, 3, 475; 2001 CX<sub>3</sub>, 6, 2, 3; 2001 CL<sub>4</sub>, 5, 1, 0; 2001 CE<sub>5</sub>, 7, 2, 6; 2001 CH<sub>5</sub>, 3, 1, 0; 2001 CN<sub>5</sub>, 16, 4, 28; 2001 CR<sub>5</sub>, 5, 1, 0; 2001 CS<sub>5</sub>, 3, 1, 0; 2001 CT<sub>5</sub>, 4, 1, 0; 2001 CZ<sub>5</sub>, 17, 4, 11; 2001 CT<sub>6</sub>, 6, 2, 8; 2001 CU<sub>6</sub>, 4, 1, 0; 2001 CV<sub>6</sub>, 15, 4, 37; 2001 CY<sub>6</sub>, 8, 2, 8; 2001 CD<sub>7</sub>, 3, 1, 0; 2001 CQ<sub>7</sub>, 5, 1, 0; 2001 CS<sub>7</sub>, 24, 5, 35; 2001 CH<sub>7</sub>, 7, 2, 7; 2001 CX<sub>8</sub>, 4, 1, 0; 2001 CE<sub>9</sub>, 11, 3, 37; 2001 CN<sub>9</sub>, 3, 1, 0; 2001 CR<sub>9</sub>, 12, 3, 7; 2001 CF<sub>10</sub>, 11, 3, 8; 2001 CM<sub>10</sub>, 9, 2, 8; 2001 CV<sub>10</sub>, 16, 4, 1343; 2001 CH<sub>11</sub>, 3, 1, 0; 2001 CF<sub>12</sub>, 15, 3, 10; 2001 CH<sub>12</sub>, 10, 2, 12; 2001 CK<sub>12</sub>, 4, 1, 0; 2001 CM<sub>13</sub>, 9, 2, 37; 2001 CQ<sub>13</sub>, 12, 3, 10; 2001 CF<sub>15</sub>, 3, 1, 0; 2001 CZ<sub>15</sub>, 8, 2, 35; 2001 CZ<sub>16</sub>, 10, 2, 1; 2001 CB<sub>17</sub>, 13, 3, 8; 2001 CH<sub>17</sub>, 4, 1, 0; 2001 CX<sub>17</sub>, 4, 1, 0; 2001 CJ<sub>19</sub>, 5, 1, 0; 2001 CV<sub>19</sub>, 11, 3, 724; 2001 CX<sub>21</sub>, 4, 1, 0; 200



2001 DC<sub>36</sub>, 9, 2, 7; 2001 DL<sub>36</sub>, 14, 3, 9; 2001 DZ<sub>36</sub>, 17, 4, 28; 2001 DC<sub>37</sub>, 9, 2, 8; 2001 DN<sub>37</sub>, 9, 2, 8; 2001 DQ<sub>37</sub>, 4, 1, 0; 2001 DH<sub>38</sub>, 12, 3, 28; 2001 DM<sub>38</sub>, 17, 4, 53; 2001 DV<sub>38</sub>, 4, 1, 0; 2001 DY<sub>38</sub>, 4, 1, 0; 2001 DK<sub>39</sub>, 13, 3, 20; 2001 DN<sub>39</sub>, 16, 4, 11; 2001 DO<sub>39</sub>, 4, 1, 0; 2001 DZ<sub>39</sub>, 3, 1, 0; 2001 DB<sub>40</sub>, 19, 4, 32; 2001 DP<sub>40</sub>, 12, 3, 9; 2001 DA<sub>41</sub>, 18, 4, 38; 2001 DS<sub>41</sub>, 13, 3, 7; 2001 DV<sub>41</sub>, 13, 3, 10; 2001 DO<sub>43</sub>, 3, 1, 0; 2001 DR<sub>43</sub>, 3, 1, 0; 2001 DC<sub>44</sub>, 14, 4, 1359; 2001 DE<sub>45</sub>, 8, 2, 8; 2001 DK<sub>45</sub>, 4, 1, 0; 2001 DR<sub>45</sub>, 3, 1, 0; 2001 DX<sub>47</sub>, 5, 1, 0; 2001 DZ<sub>47</sub>, 5, 1, 0; 2001 DV<sub>49</sub>, 9, 2, 32; 2001 DW<sub>51</sub>, 5, 1, 0; 2001 DF<sub>54</sub>, 23, 5, 28; 2001 DW<sub>55</sub>, 18, 4, 37; 2001 DH<sub>56</sub>, 5, 1, 0; 2001 DS<sub>57</sub>, 4, 1, 0; 2001 DK<sub>58</sub>, 4, 1, 0; 2001 DS<sub>59</sub>, 14, 3, 10; 2001 DT<sub>59</sub>, 4, 1, 0; 2001 DW<sub>59</sub>, 9, 2, 23; 2001 DX<sub>59</sub>, 4, 1, 0; 2001 DO<sub>60</sub>, 13, 3, 28; 2001 DU<sub>60</sub>, 4, 1, 0; 2001 DO<sub>61</sub>, 4, 1, 0; 2001 DU<sub>62</sub>, 4, 1, 0; 2001 DN<sub>63</sub>, 8, 2, 6; 2001 DM<sub>65</sub>, 20, 4, 28; 2001 DY<sub>66</sub>, 4, 1, 0; 2001 DA<sub>67</sub>, 18, 4, 11; 2001 DM<sub>68</sub>, 22, 5, 35; 2001 DQ<sub>68</sub>, 3, 1, 0; 2001 DT<sub>68</sub>, 13, 3, 10; 2001 DA<sub>69</sub>, 9, 2, 5; 2001 DE<sub>69</sub>, 3, 1, 0; 2001 DH<sub>69</sub>, 4, 1, 0; 2001 DS<sub>70</sub>, 7, 2, 7; 2001 DS<sub>70</sub>, 12, 2, 33; 2001 DV<sub>70</sub>, 16, 4, 54; 2001 DY<sub>71</sub>, 26, 5, 28; 2001 DW<sub>73</sub>, 4, 1, 0; 2001 DY<sub>73</sub>, 10, 2, 25; 2001 DZ<sub>73</sub>, 20, 4, 34; 2001 DB<sub>75</sub>, 5, 1, 0; 2001 DR<sub>75</sub>, 12, 3, 9; 2001 DT<sub>75</sub>, 19, 4, 31; 2001 DU<sub>75</sub>, 16, 4, 11; 2001 DS<sub>76</sub>, 4, 1, 0; 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2001 DB<sub>102</sub>, 9, 2, 7; 2001 DM<sub>102</sub>, 5, 1, 0; 2001 DD<sub>103</sub>, 14, 3, 24; 2001 DW<sub>103</sub>, 8, 2, 3; 2001 DA<sub>104</sub>, 8, 2, 10; 2001 DC<sub>104</sub>, 21, 5, 37; 2001 DE<sub>104</sub>, 4, 1, 0; 2001 DH<sub>104</sub>, 4, 1, 0; 2001 DL<sub>104</sub>, 4, 1, 0; 2001 DO<sub>104</sub>, 14, 3, 10; 2001 DT<sub>104</sub>, 3, 1, 0; 2001 DN<sub>106</sub>, 4, 1, 0; 2001 DQ<sub>106</sub>, 5, 1, 0; 2001 DV<sub>107</sub>, 17, 4, 65; 2001 DC<sub>109</sub>, 4, 1, 0; 2001 EA<sub>15</sub>, 3, 10; 2001 EP<sub>15</sub>, 5, 1, 0; 2001 EU<sub>15</sub>, 4, 1, 0; 2001 EY<sub>15</sub>, 4, 1, 0; 2001 EO<sub>1</sub>, 3, 1, 0; 2001 ET<sub>3</sub>, 14, 4, 10; 2001 EY<sub>3</sub>, 9, 2, 3; 2001 EY<sub>4</sub>, 13, 3, 9; 2001 EN<sub>5</sub>, 10, 2, 10; 2001 ER<sub>5</sub>, 3, 1, 0; 2001 EZ<sub>5</sub>, 5, 1, 0; 2001 ES<sub>6</sub>, 4, 1, 0; 2001 EX<sub>6</sub>, 3, 1, 0; 2001 EM<sub>7</sub>, 13, 3, 9; 2001 EN<sub>7</sub>, 12, 3, 8; 2001 EN<sub>8</sub>, 4, 1, 0; 2001 EW<sub>9</sub>, 27, 5, 28; 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2001 FT<sub>16</sub>, 3, 1, 0; 2001 FE<sub>17</sub>, 14, 4, 11; 2001 FH<sub>17</sub>, 3, 1, 0; 2001 FJ<sub>17</sub>, 18, 4, 30; 2001 FN<sub>17</sub>, 9, 2, 4; 2001 FH<sub>18</sub>, 8, 2, 18; 2001 FN<sub>18</sub>, 11, 3, 6; 2001 FQ<sub>18</sub>, 15, 3, 37; 2001 FY<sub>18</sub>, 5, 1, 0; 2001 FU<sub>20</sub>, 18, 4, 422; 2001 FK<sub>21</sub>, 3, 1, 0; 2001 FY<sub>21</sub>, 9, 2, 24; 2001 FZ<sub>21</sub>, 4, 1, 0; 2001 FF<sub>22</sub>, 4, 1, 0; 2001 FP<sub>22</sub>, 19, 4, 36; 2001 FV<sub>22</sub>, 4, 1, 0; 2001 FA<sub>23</sub>, 3, 1, 0; 2001 FL<sub>24</sub>, 9, 2, 11; 2001 FN<sub>24</sub>, 12, 3, 47; 2001 FG<sub>25</sub>, 5, 1, 0; 2001 FJ<sub>25</sub>, 24, 5, 17; 2001 FH<sub>26</sub>, 5, 1, 0; 2001 FM<sub>26</sub>, 23, 5, 30; 2001 FP<sub>27</sub>, 4, 1, 0; 2001 FR<sub>27</sub>, 5, 1, 0; 2001 FZ<sub>27</sub>, 8, 2, 6; 2001 FN<sub>28</sub>, 3, 1, 0; 2001 FO<sub>28</sub>, 3, 1, 0; 2001 FL<sub>30</sub>, 3, 1, 0; 2001 FV<sub>30</sub>, 11, 3, 9; 2001 FW<sub>30</sub>, 13, 3, 9; 2001 FR<sub>33</sub>, 13, 3, 9; 2001 FT<sub>33</sub>, 16, 4, 32; 2001 FV<sub>33</sub>, 7, 2, 29; 2001 FG<sub>34</sub>, 14, 3, 10; 2001 FJ<sub>34</sub>, 3, 1, 0; 2001 FA<sub>35</sub>, 4, 1, 0; 2001 FA<sub>36</sub>, 3, 1, 0; 2001 FM<sub>36</sub>, 3, 1, 0; 2001 FQ<sub>37</sub>, 8, 2, 4; 2001 FR<sub>37</sub>, 9, 2, 1312; 2001 FS<sub>37</sub>, 9, 2, 5; 2001 FT<sub>37</sub>, 5, 1, 0; 2001 FB<sub>38</sub>, 8, 2, 7; 2001 FN<sub>39</sub>, 3, 1, 0; 2001 FJ<sub>40</sub>, 14, 3, 12; 2001 FP<sub>40</sub>, 5, 1, 0; 2001 FC<sub>41</sub>, 6, 2, 7; 2001 FH<sub>41</sub>, 5, 1, 0; 2001 FX<sub>41</sub>, 9, 2, 37; 2001 FB<sub>42</sub>, 3, 1, 0; 2001 FO<sub>42</sub>, 5, 1, 0; 2001 FH<sub>44</sub>, 5, 1, 0; 2001 FA<sub>45</sub>, 10, 2, 8; 2001 FG<sub>45</sub>, 4, 1, 0; 2001 FM<sub>46</sub>, 8, 2, 36; 2001 FS<sub>46</sub>, 11, 3, 10; 2001 FB<sub>48</sub>, 4, 1, 0; 2001 FT<sub>48</sub>, 7, 2, 24; 2001 FD<sub>49</sub>, 9, 2, 7; 2001 FF<sub>49</sub>, 24, 5, 36; 2001 FH<sub>49</sub>, 3, 1, 0; 2001 FN<sub>49</sub>, 22, 5, 38; 2001 FQ<sub>49</sub>, 6, 2, 36; 2001 FY<sub>50</sub>, 10, 2, 8; 2001 FT<sub>51</sub>, 4, 1, 0; 2001 FF<sub>52</sub>, 7, 2, 6; 2001 FY<sub>52</sub>, 13, 3, 36; 2001 FZ<sub>53</sub>, 3, 1, 0; 2001 FB<sub>54</sub>, 5, 1, 0; 2001 FG<sub>54</sub>, 4, 1, 0; 2001 FT<sub>54</sub>, 4, 1, 0; 2001 FH<sub>55</sub>, 4, 1, 0; 2001 FO<sub>55</sub>, 4, 1, 0; 2001 FW<sub>55</sub>, 4, 1, 0; 2001 FK<sub>56</sub>, 5, 1, 0; 2001 FN<sub>59</sub>, 4, 1, 0; 2001 FR<sub>59</sub>, 29, 5, 36; 2001 FS<sub>59</sub>, 4, 1, 0; 2001 FW<sub>59</sub>, 3, 1, 0; 2001 FG<sub>62</sub>, 7, 2, 6; 2001 FJ<sub>62</sub>, 5, 1, 0; 2001 FO<sub>62</sub>, 8, 2, 8; 2001 FR<sub>62</sub>, 3, 1, 0; 2001 FZ<sub>62</sub>, 8, 2, 7; 2001 FV<sub>63</sub>, 15, 3, 10; 2001 FK<sub>64</sub>, 19, 4, 29; 2001 FR<sub>65</sub>, 4, 1, 0; 2001 FG<sub>66</sub>, 12, 3, 4; 2001 FZ<sub>66</sub>, 3, 1, 0; 2001 FO<sub>68</sub>, 10, 2, 8; 2001 FW<sub>68</sub>, 4, 1, 0; 2001 FF<sub>69</sub>, 12, 3, 7; 2001 FG<sub>69</sub>, 14, 3, 10; 2001 FP<sub>69</sub>, 3, 1, 0; 2001 FA<sub>72</sub>, 5, 1, 0; 2001 FT<sub>72</sub>, 15, 3, 9; 2001 FW<sub>72</sub>, 4, 1, 0; 2001 FN<sub>73</sub>, 12, 3, 11; 2001 FJ<sub>74</sub>, 8, 2, 7; 2001 FX<sub>75</sub>, 8, 2, 4; 2001 FZ<sub>75</sub>, 8, 2, 7; 2001 FG<sub>76</sub>, 4, 1, 0; 2001 FT<sub>77</sub>, 4, 1, 0; 2001 FZ<sub>77</sub>, 4, 1, 0; 2001 FH<sub>78</sub>, 15, 4, 37; 2001 FP<sub>78</sub>, 5, 1, 0; 2001 FC<sub>80</sub>, 10, 2, 22; 2001 FG<sub>81</sub>, 9, 2, 9; 2001 FV<sub>81</sub>, 4, 1, 0; 2001 FH<sub>82</sub>, 33, 6, 30; 2001 FV<sub>82</sub>, 5, 1, 0; 2001 FY<sub>82</sub>, 9, 2, 1533; 2001 FQ<sub>86</sub>, 5, 1, 0; 2001 FV<sub>86</sub>, 9, 2, 5; 2001 FW<sub>86</sub>, 5, 1, 0; 2001 FY<sub>86</sub>, 5, 1, 0; 2001 FL<sub>87</sub>, 3, 1, 0; 2001 FG<sub>87</sub>, 13, 3, 11; 2001 FA<sub>88</sub>, 5, 1, 0; 2001 FC<sub>89</sub>, 5, 1, 0; 2001 FT<sub>89</sub>, 4, 1, 0; 2001 FY<sub>90</sub>, 15, 2, 33; 2001 FB<sub>91</sub>, 8, 2, 3; 2001 FS<sub>91</sub>, 8, 2, 6; 2001 FD<sub>93</sub>, 8, 2, 3; 2001 FV<sub>93</sub>, 5, 1, 0; 2001 FH<sub>94</sub>, 5, 1, 0; 2001 FP<sub>94</sub>, 4,

1, 0; 2001 FY<sub>94</sub>, 4, 1, 0; 2001 FD<sub>95</sub>, 14, 3, 32; 2001 FT<sub>95</sub>, 4, 1, 0; 2001 FZ<sub>95</sub>, 3, 1, 0; 2001 FB<sub>96</sub>, 18, 4, 1457; 2001 FH<sub>96</sub>, 20, 5, 31; 2001 FP<sub>96</sub>, 5, 1, 0; 2001 FT<sub>96</sub>, 3, 1, 0; 2001 FY<sub>96</sub>, 5, 1, 0; 2001 FB<sub>97</sub>, 4, 1, 0; 2001 FO<sub>97</sub>, 9, 2, 32; 2001 FX<sub>97</sub>, 4, 1, 0; 2001 FS<sub>98</sub>, 3, 1, 0; 2001 FR<sub>99</sub>, 5, 1, 0; 2001 FM<sub>100</sub>, 7, 2, 17; 2001 FZ<sub>100</sub>, 3, 1, 0; 2001 FL<sub>101</sub>, 4, 1, 0; 2001 FE<sub>102</sub>, 3, 1, 0; 2001 FK<sub>103</sub>, 23, 5, 69; 2001 FQ<sub>103</sub>, 4, 1, 0; 2001 FU<sub>103</sub>, 20, 4, 37; 2001 FG<sub>104</sub>, 7, 2, 7; 2001 FL<sub>104</sub>, 9, 2, 32; 2001 FQ<sub>104</sub>, 14, 3, 27; 2001 FU<sub>105</sub>, 15, 3, 9; 2001 FZ<sub>105</sub>, 14, 3, 11; 2001 FL<sub>106</sub>, 14, 4, 32; 2001 FN<sub>106</sub>, 9, 2, 32; 2001 FT<sub>108</sub>, 8, 2, 8; 2001 FY<sub>108</sub>, 15, 3, 11; 2001 FN<sub>112</sub>, 10, 2, 8; 2001 FV<sub>114</sub>, 9, 2, 889; 2001 FS<sub>115</sub>, 13, 3, 9; 2001 FH<sub>117</sub>, 4, 1, 0; 2001 FU<sub>117</sub>, 3, 1, 0; 2001 FV<sub>117</sub>, 10, 2, 33; 2001 FK<sub>118</sub>, 7, 2, 11; 2001 FR<sub>121</sub>, 4, 1, 0; 2001 FT<sub>122</sub>, 7, 2, 1; 2001 FN<sub>123</sub>, 3, 1, 0; 2001 FR<sub>126</sub>, 3, 1, 0; 2001 FX<sub>126</sub>, 5, 1, 0; 2001 FH<sub>127</sub>, 5, 1, 0; 2001 FP<sub>128</sub>, 7, 2, 11; 2001 FW<sub>128</sub>, 8, 2, 3; 2001 FD<sub>129</sub>, 5, 1, 0; 2001 FR<sub>129</sub>, 10, 2, 9; 2001 FV<sub>129</sub>, 13, 3, 42; 2001 FE<sub>130</sub>, 4, 1, 0; 2001 FR<sub>130</sub>, 9, 2, 28; 2001 FL<sub>134</sub>, 4, 1, 0; 2001 FA<sub>135</sub>, 4, 1, 0; 2001 FF<sub>135</sub>, 4, 1, 0; 2001 FP<sub>135</sub>, 4, 1, 0; 2001 FM<sub>137</sub>, 3, 1, 0; 2001 FV<sub>138</sub>, 5, 1, 0; 2001 FA<sub>140</sub>, 10, 2, 7; 2001 FS<sub>142</sub>, 4, 1, 0; 2001 FT<sub>143</sub>, 5, 1, 0; 2001 FD<sub>144</sub>, 5, 1, 0; 2001 FS<sub>144</sub>, 8, 2, 11; 2001 FT<sub>144</sub>, 8, 2, 19; 2001 FU<sub>144</sub>, 7, 2, 12; 2001 FZ<sub>144</sub>, 5, 1, 0; 2001 FG<sub>145</sub>, 8, 2, 37; 2001 FP<sub>145</sub>, 10, 3, 9; 2001 FY<sub>145</sub>, 8, 1, 0; 2001 FD<sub>146</sub>, 5, 1, 0; 2001 FR<sub>147</sub>, 5, 1, 0; 2001 FF<sub>148</sub>, 13, 3, 42; 2001 FB<sub>151</sub>, 18, 4, 37; 2001 FJ<sub>152</sub>, 15, 3, 14; 2001 FL<sub>152</sub>, 15, 3, 9; 2001 FJ<sub>154</sub>, 8, 2, 32; 2001 FK<sub>154</sub>, 18, 3, 9; 2001 FO<sub>155</sub>, 21, 4, 28; 2001 FA<sub>156</sub>, 11, 3, 8; 2001 FG<sub>156</sub>, 4, 1, 0; 2001 FV<sub>157</sub>, 15, 3, 9; 2001 FA<sub>159</sub>, 3, 1, 0; 2001 FL<sub>159</sub>, 3, 1, 0; 2001 FY<sub>159</sub>, 13, 3, 24; 2001 FU<sub>160</sub>, 3, 1, 0; 2001 FJ<sub>161</sub>, 4, 1, 0; 2001 FW<sub>163</sub>, 3, 1, 0; 2001 FF<sub>167</sub>, 7, 2, 8; 2001 FX<sub>168</sub>, 8, 2, 3; 2001 FY<sub>169</sub>, 7, 2, 25; 2001 FB<sub>170</sub>, 4, 1, 0; 2001 FZ<sub>170</sub>, 11, 3, 12; 2001 FB<sub>171</sub>, 15, 3, 11; 2001 FL<sub>171</sub>, 4, 1, 0; 2001 FX<sub>172</sub>, 3, 1, 0; 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2001 HC<sub>2</sub>, 4, 1, 0; 2001 HG<sub>2</sub>, 7, 2, 6; 2001 HO<sub>3</sub>, 4, 1, 0; 2001 HP<sub>3</sub>, 4, 1, 0; 2001 HE<sub>5</sub>, 3, 1, 0; 2001 HZ<sub>5</sub>, 4, 1, 0; 2001 HH<sub>7</sub>, 4, 1, 0; 2001 HZ<sub>8</sub>, 8, 2, 27; 2001 HQ<sub>11</sub>, 10, 2, 9; 2001 HJ<sub>12</sub>, 8, 2, 4; 2001 HG<sub>13</sub>, 3, 1, 0; 2001 HL<sub>13</sub>, 8, 2, 2125; 2001 HA<sub>14</sub>, 8, 2, 5; 2001 HY<sub>16</sub>, 3, 1, 0; 2001 HS<sub>17</sub>, 4, 1, 0; 2001 HT<sub>19</sub>, 9, 2, 29; 2001 HL<sub>21</sub>, 3, 1, 0; 2001 HF<sub>22</sub>, 5, 1, 0; 2001 HK<sub>22</sub>, 3, 1, 0; 2001 HP<sub>22</sub>, 4, 1, 0; 2001 HB<sub>27</sub>, 3, 1, 0; 2001 HC<sub>29</sub>, 4, 1, 0; 2001 HN<sub>29</sub>, 5, 1, 0; 2001 HQ<sub>31</sub>, 5, 1, 0; 2001 HX<sub>31</sub>, 3, 1, 0; 2001 HF<sub>35</sub>, 4, 1, 0; 2001 HW<sub>35</sub>, 13, 2, 18; 2001 HD<sub>36</sub>, 3, 1, 0; 2001 HL<sub>36</sub>, 12, 3, 975; 2001 HD<sub>37</sub>, 4, 1, 0; 2001 HK<sub>40</sub>, 4, 1, 0; 2001 HV<sub>40</sub>, 3, 1, 0; 2001 HW<sub>41</sub>, 8, 2, 37; 2001 HD<sub>42</sub>, 4, 1, 0; 2001 HD<sub>42</sub>, 11, 3, 11; 2001 HX<sub>43</sub>, 8, 2, 3; 2001 HS<sub>44</sub>, 19, 4, 32; 2001 HB<sub>45</sub>, 15, 3, 9; 2001 HC<sub>45</sub>, 8, 2, 27; 2001 HM<sub>45</sub>, 3, 1, 0; 2001 HQ<sub>45</sub>, 5, 1, 0; 2001 HJ<sub>48</sub>, 3, 1, 0; 2001 HL<sub>48</sub>, 12, 3, 17; 2001 HV<sub>48</sub>, 5, 1, 0; 2001 HW<sub>48</sub>, 8, 2, 4; 2001 HG<sub>51</sub>, 5, 1, 0; 2001 HJ<sub>51</sub>, 9, 2, 26; 2001 HX<sub>53</sub>, 4, 1, 0; 2001 HK<sub>58</sub>, 4, 1, 0; 2001 HB<sub>59</sub>, 5, 1, 0; 2001 HO<sub>59</sub>, 4, 1, 0; 2001 HT<sub>60</sub>, 4, 1, 0; 2001 HC<sub>61</sub>, 9, 2, 36; 2001 HQ<sub>61</sub>, 9, 2, 25; 2001 HM<sub>62</sub>, 5, 1, 0; 2001 HB<sub>63</sub>, 6, 2, 26; 2001 HK<sub>64</sub>, 5, 1, 0; 2001 HW<sub>64</sub>, 4, 1, 0; 2001 HO<sub>66</sub>, 5, 1, 0; 2001 JP<sub>1</sub>, 4, 1, 0; 2001 JL<sub>2</sub>, 4, 1, 0; 2001 JE<sub>3</sub>, 4, 1, 0; 2001 JT<sub>3</sub>, 5, 1, 0; 2001 JQ<sub>6</sub>, 5, 1, 0; 2001 JR<sub>6</sub>, 3, 1, 0; 2001 JC<sub>8</sub>, 10, 3, 14;

0; 2001 NT<sub>21</sub>, 3, 1, 0; 2001 OS, 5, 1, 0; 2001 OA<sub>2</sub>, 4, 1, 0; 2001 OL<sub>3</sub>, 7, 2, 32; 2001 OT<sub>5</sub>, 8, 2, 34; 2001 OC<sub>7</sub>, 3, 1, 0; 2001 OH<sub>8</sub>, 4, 1, 0; 2001 OY<sub>8</sub>, 4, 1, 0; 2001 OO<sub>11</sub>, 9, 2, 26; 2001 OS<sub>11</sub>, 3, 1, 0; 2001 OJ<sub>14</sub>, 3, 1, 0; 2001 OX<sub>14</sub>, 3, 1, 0; 2001 OX<sub>16</sub>, 4, 1, 0; 2001 OP<sub>17</sub>, 4, 1, 0; 2001 OK<sub>24</sub>, 20, 5, 1888; 2001 OC<sub>27</sub>, 4, 1, 0; 2001 OC<sub>29</sub>, 3, 1, 0; 2001 OD<sub>32</sub>, 4, 1, 0; 2001 OX<sub>32</sub>, 7, 2, 26; 2001 OU<sub>33</sub>, 4, 1, 0; 2001 OX<sub>34</sub>, 5, 1, 0; 2001 OK<sub>38</sub>, 3, 1, 0; 2001 OP<sub>38</sub>, 6, 2, 24; 2001 OW<sub>38</sub>, 3, 1, 0; 2001 OR<sub>44</sub>, 5, 1, 0; 2001 OU<sub>46</sub>, 3, 1, 0; 2001 OF<sub>47</sub>, 15, 4, 70; 2001 OS<sub>47</sub>, 4, 1, 0; 2001 OR<sub>49</sub>, 5, 1, 0; 2001 OB<sub>52</sub>, 4, 1, 0; 2001 ON<sub>52</sub>, 4, 1, 0; 2001 OP<sub>52</sub>, 3, 1, 0; 2001 OE<sub>57</sub>, 15, 3, 63; 2001 OZ<sub>59</sub>, 4, 1, 0; 2001 OQ<sub>61</sub>, 4, 1, 0; 2001 OV<sub>62</sub>, 5, 1, 0; 2001 OL<sub>63</sub>, 7, 2, 31; 2001 OW<sub>63</sub>, 16, 4, 39; 2001 OZ<sub>64</sub>, 12, 3, 45; 2001 OF<sub>67</sub>, 4, 1, 0; 2001 OH<sub>67</sub>, 4, 1, 0; 2001 OQ<sub>67</sub>, 7, 2, 63; 2001 OG<sub>70</sub>, 3, 1, 0; 2001 OR<sub>71</sub>, 11, 3, 964; 2001 OX<sub>72</sub>, 5, 1, 0; 2001 OY<sub>72</sub>, 5, 1, 0; 2001 OG<sub>75</sub>, 3, 1, 0; 2001 OD<sub>76</sub>, 8, 2, 24; 2001 OE<sub>78</sub>, 4, 1, 0; 2001 OJ<sub>79</sub>, 4, 1, 0; 2001 OV<sub>82</sub>, 5, 1, 0; 2001 OU<sub>83</sub>, 5, 1, 0; 2001 OR<sub>85</sub>, 4, 1, 0; 2001 OK<sub>87</sub>, 8, 2, 22; 2001 OX<sub>88</sub>, 11, 3, 40; 2001 OR<sub>89</sub>, 8, 2, 435; 2001 OA<sub>91</sub>, 7, 2, 1; 2001 OX<sub>94</sub>, 4, 1, 0; 2001 OP<sub>95</sub>, 4, 1, 0; 2001 OH<sub>96</sub>, 3, 1, 0; 2001 OJ<sub>96</sub>, 8, 2, 32; 2001 OM<sub>97</sub>, 4, 1, 0; 2001 OO<sub>97</sub>, 3, 1, 0; 2001 ON<sub>102</sub>, 4, 1, 0; 2001 OX<sub>103</sub>, 10, 2, 529; 2001 OC<sub>105</sub>, 5, 1, 0; 2001 OT<sub>105</sub>, 5, 1, 0; 2001 OA<sub>111</sub>, 5, 1, 0; 2001 PM<sub>9</sub>, 9, 2, 26; 2001 PH<sub>11</sub>, 5, 1, 0; 2001 PM<sub>13</sub>, 3, 1, 0; 2001 PP<sub>13</sub>, 3, 1, 0; 2001 PM<sub>14</sub>, 3, 1, 0; 2001 PX<sub>15</sub>, 5, 1, 0; 2001 PD<sub>17</sub>, 6, 2, 32; 2001 PZ<sub>22</sub>, 3, 1, 0; 2001 PT<sub>23</sub>, 3, 1, 0; 2001 PS<sub>31</sub>, 7, 2, 8; 2001 PO<sub>33</sub>, 30, 7, 1697; 2001 PQ<sub>33</sub>, 4, 1, 0; 2001 PN<sub>34</sub>, 4, 1, 0; 2001 PK<sub>37</sub>, 3, 1, 0; 2001 PQ<sub>40</sub>, 5, 1, 0; 2001 PJ<sub>42</sub>, 4, 1, 0; 2001 PN<sub>42</sub>, 10, 3, 35; 2001 PU<sub>45</sub>, 4, 1, 0; 2001 PN<sub>49</sub>, 3, 1, 0; 2001 PE<sub>53</sub>, 8, 2, 528; 2001 PD<sub>56</sub>, 5, 1, 0; 2001 PH<sub>57</sub>, 8, 2, 8; 2001 PB<sub>58</sub>, 3, 1, 0; 2001 PZ<sub>58</sub>, 5, 1, 0; 2001 PK<sub>59</sub>, 5, 1, 0; 2001 PR<sub>59</sub>, 3, 1, 0; 2001 PS<sub>59</sub>, 4, 1, 0; 2001 PZ<sub>61</sub>, 5, 1, 0; 2001 PA<sub>63</sub>, 4, 1, 0; 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2001 QW<sub>50</sub>, 4, 1, 0; 2001 QA<sub>51</sub>, 3, 1, 0; 2001 QJ<sub>52</sub>, 4, 1, 0; 2001 QW<sub>52</sub>, 15, 4, 59; 2001 QO<sub>54</sub>, 4, 1, 0; 2001 QO<sub>55</sub>, 5, 1, 0; 2001 QW<sub>57</sub>, 5, 1, 0; 2001 QY<sub>57</sub>, 10, 2, 9; 2001 QR<sub>58</sub>, 4, 1, 0; 2001 QU<sub>58</sub>, 4, 1, 0; 2001 QR<sub>60</sub>, 3, 1, 0; 2001 QZ<sub>67</sub>, 5, 1, 0; 2001 QZ<sub>68</sub>, 3, 1, 0; 2001 QE<sub>69</sub>, 9, 2, 69; 2001 QJ<sub>69</sub>, 3, 1, 0; 2001 QS<sub>73</sub>, 3, 1, 0; 2001 QA<sub>74</sub>, 3, 1, 0; 2001 QH<sub>74</sub>, 4, 1, 0; 2001 QE<sub>75</sub>, 3, 1, 0; 2001 QZ<sub>75</sub>, 5, 1, 0; 2001 QA<sub>76</sub>, 5, 1, 0; 2001 QP<sub>82</sub>, 9, 2, 1; 2001 QU<sub>84</sub>, 13, 3, 30; 2001 QW<sub>86</sub>, 5, 1, 0; 2001 QS<sub>87</sub>, 5, 1, 0; 2001 QV<sub>88</sub>, 4, 1, 0; 2001 QW<sub>88</sub>, 8, 2, 7; 2001 QM<sub>89</sub>, 18, 4, 949; 2001 QS<sub>89</sub>, 4, 1, 0; 2001 QT<sub>89</sub>, 5, 1, 0; 2001 QX<sub>92</sub>, 10, 2, 22; 2001 QB<sub>93</sub>, 3, 1, 0; 2001 QP<sub>94</sub>, 3, 1, 0; 2001 QR<sub>97</sub>, 4, 1, 0; 2001 QJ<sub>97</sub>, 3, 1, 0; 2001 QM<sub>100</sub>, 5, 1, 0; 2001 QN<sub>100</sub>, 4, 1, 0; 2001 QH<sub>101</sub>, 7, 2, 27; 2001 QU<sub>102</sub>, 8, 2, 29; 2001 QW<sub>102</sub>, 16, 4, 62; 2001 QC<sub>103</sub>, 3, 1, 0; 2001 QF<sub>103</sub>, 4, 1, 0; 2001 QS<sub>103</sub>, 5, 1, 0; 2001 QH<sub>105</sub>, 13, 3, 1057; 2001 QP<sub>106</sub>, 5, 1, 0; 2001 QM<sub>110</sub>, 5, 1, 0; 2001 QQ<sub>113</sub>, 4, 1, 0; 2001 QC<sub>116</sub>, 8, 2, 21; 2001 QS<sub>116</sub>, 15, 4, 57; 2001 QF<sub>117</sub>, 4, 1, 0; 2001 QJ<sub>117</sub>, 5, 1, 0; 2001 QD<sub>120</sub>, 8, 2, 8; 2001 QR<sub>120</sub>, 5, 1, 0; 2001 QL<sub>122</sub>, 3, 1, 0; 2001 QY<sub>122</sub>, 3, 1, 0; 2001 QG<sub>126</sub>, 4, 1, 0; 2001 QJ<sub>129</sub>, 4, 1, 0; 2001 QW<sub>129</sub>, 3, 1, 0; 2001 QU<sub>130</sub>, 6, 2, 26; 2001 QT<sub>131</sub>, 5, 1, 0; 2001 QL<sub>136</sub>, 5, 1, 0; 2001 QH<sub>137</sub>, 5, 1, 0; 2001 QV<sub>137</sub>, 3, 1, 0; 2001 QT<sub>138</sub>, 5, 1, 0; 2001 QQ<sub>139</sub>, 3, 1, 0; 2001 QT<sub>141</sub>, 3, 1, 0; 2001 QX<sub>146</sub>, 4, 1, 0; 2001 QA<sub>148</sub>, 6, 2, 29; 2001 QU<sub>152</sub>, 3, 1, 0; 2001 QE<sub>155</sub>, 9, 2, 459; 2001 QF<sub>162</sub>, 11, 3, 55; 2001 QN<sub>163</sub>, 4, 1, 0; 2001 QL<sub>165</sub>, 3, 1, 0; 2001 QE<sub>169</sub>, 5, 1, 0; 2001 QF<sub>172</sub>, 5, 1, 0; 2001 QS<sub>174</sub>, 4, 1, 0; 2001 QF<sub>176</sub>, 9, 2, 27; 2001 QO<sub>177</sub>, 5, 1, 0; 2001 QB<sub>181</sub>, 4, 1, 0; 2001 QC<sub>181</sub>, 5, 1, 0; 2001 QN<sub>184</sub>, 4, 1, 0; 2001 QF<sub>185</sub>, 4, 1, 0; 2001 QE<sub>188</sub>, 4, 1, 0; 2001 QA<sub>189</sub>, 4, 1, 0; 2001 QE<sub>189</sub>, 4, 1, 0; 2001 QO<sub>189</sub>, 19, 4, 40; 2001 QM<sub>191</sub>, 9, 2, 51; 2001 QV<sub>193</sub>, 9, 2, 13; 2001 QB<sub>196</sub>, 3, 1, 0; 2001 QG<sub>200</sub>, 5, 1, 0; 2001 QX<sub>201</sub>, 4, 1, 0; 2001 QN<sub>202</sub>, 5, 1, 0; 2001 QC<sub>206</sub>, 4, 1, 0; 2001 QF<sub>207</sub>, 4, 1, 0; 2001 QP<sub>207</sub>, 8, 2, 9; 2001 QV<sub>209</sub>, 4, 1, 0; 2001 QY<sub>210</sub>, 3, 1, 0; 2001 QP<sub>216</sub>, 4, 1, 0; 2001 QB<sub>218</sub>, 4, 1, 0; 2001 QZ<sub>219</sub>, 4, 1, 0; 2001 QG<sub>220</sub>, 4, 1, 0; 2001 QN<sub>221</sub>, 4, 1, 0; 2001 QS<sub>221</sub>, 3, 1, 0; 2001 QJ<sub>222</sub>, 4, 1, 0; 2001 QB<sub>225</sub>, 7, 2, 18; 2001 QH<sub>225</sub>, 4, 1, 0; 2001 QA<sub>226</sub>, 6, 2, 25; 2001 QU<sub>226</sub>, 4, 1, 0; 2001 QW<sub>228</sub>, 3, 1, 0; 2001 QR<sub>231</sub>, 14, 3, 57; 2001 QC<sub>232</sub>, 4, 1, 0; 2001 QA<sub>237</sub>, 4, 1, 0; 2001 QD<sub>238</sub>, 3, 1, 0; 2001 QU<sub>240</sub>, 5, 1, 0; 2001 QN<sub>244</sub>, 3, 1, 0; 2001 QX<sub>244</sub>, 4, 1, 0; 2001 QF<sub>248</sub>, 4, 1, 0; 2001 QL<sub>250</sub>, 5, 1, 0; 2001 QW<sub>250</sub>, 4, 1, 0; 2001 QV<sub>255</sub>, 4, 1, 0; 2001 QE<sub>257</sub>, 4, 1, 0; 2001 QO<sub>258</sub>, 3, 1, 0; 2001 QV<sub>258</sub>, 5, 1, 0; 2001 QG<sub>261</sub>, 4, 1, 0; 2001 QZ<sub>261</sub>, 4, 1, 0; 2001 QA<sub>263</sub>, 3, 1, 0; 2001 QO<sub>263</sub>, 5, 1, 0; 2001 QU<sub>268</sub>, 4, 1, 0; 2001 QN<sub>270</sub>, 3, 1, 0; 2001 QX<sub>270</sub>, 10, 3, 64; 2001 QY<sub>270</sub>, 3, 1, 0; 2001 QB<sub>272</sub>, 20, 5, 70; 2001 QO<sub>272</sub>, 5, 1, 0; 2001 QZ<sub>273</sub>, 3, 1, 0; 2001 QG<sub>278</sub>, 5, 1, 0; 2001 QY<sub>279</sub>, 4, 1, 0; 2001 QD<sub>282</sub>, 4, 1, 0; 2001 QA<sub>283</sub>, 3, 1, 0; 2001 QM<sub>283</sub>, 4, 1, 0; 2001 QW<sub>285</sub>, 13, 3, 501; 2001 QF<sub>289</sub>, 5, 1, 0; 2001 QQ<sub>291</sub>, 4, 1, 0; 2001 QU<sub>292</sub>, 4, 1, 0; 2001 QO<sub>294</sub>, 3, 1, 0; 2001 QS<sub>317</sub>, 3, 1, 0; 2001 QA<sub>327</sub>, 4, 1, 0; 2001 QO<sub>327</sub>, 4, 1, 0; 2001 QP<sub>327</sub>, 3, 1, 0; 2001 QY<sub>327</sub>, 9, 2, 1889; 2001 QJ<sub>328</sub>, 4, 1, 0; 2001 QB<sub>329</sub>, 4, 1, 0; 2001 QS<sub>329</sub>, 12, 3, 539; 2001 QV<sub>329</sub>, 4, 1, 0; 2001 RF<sub>4</sub>, 4, 1, 0; 2001 RK<sub>6</sub>, 8, 2, 8; 2001 RA<sub>7</sub>, 8, 2, 30; 2001 RU<sub>13</sub>, 5, 1, 0; 2001 RV<sub>14</sub>, 4, 1, 0; 2001 RV<sub>16</sub>, 5, 1, 0; 2001 RD<sub>23</sub>, 4, 1, 0; 2001 RP<sub>26</sub>, 3, 1, 0; 2001 RA<sub>32</sub>, 14, 3, 900; 2001 RA<sub>34</sub>, 4, 1, 0; 2001 RB<sub>34</sub>, 10, 2, 53; 2001 RH<sub>34</sub>, 11, 3, 36; 2001 RU<sub>34</sub>, 7, 2, 568; 2001 RR<sub>39</sub>, 3, 1, 0; 2001 RV<sub>45</sub>, 9, 2, 26; 2001 RS<sub>46</sub>, 3, 1, 0; 2001 RH<sub>48</sub>, 4, 1, 0; 2001 RG<sub>49</sub>, 3, 1, 0; 2001 RG<sub>55</sub>, 3, 1, 0; 2001 RX<sub>57</sub>, 4, 1, 0; 2001 RS<sub>57</sub>, 13, 3, 39; 2001 RT<sub>61</sub>, 8, 2, 2; 2001 RH<sub>64</sub>, 3, 1, 0; 2001 RV<sub>65</sub>, 4, 1, 0; 2001 RL<sub>69</sub>, 4, 1, 0; 2001 RN<sub>69</sub>, 5, 1, 0; 2001 RY<sub>69</sub>, 4, 1, 0; 2001 RO<sub>70</sub>, 5, 1, 0; 2001 RK<sub>71</sub>, 3, 1, 0; 2001 RM<sub>71</sub>, 3, 1, 0; 2001 RZ<sub>76</sub>, 4, 1, 0; 2001 RE<sub>77</sub>,

4, 1, 0; 2001 RK<sub>77</sub>, 4, 1, 0; 2001 RD<sub>78</sub>, 3, 1, 0; 2001 RW<sub>79</sub>, 3, 1, 0; 2001 RF<sub>81</sub>, 4, 1, 0; 2001 RZ<sub>82</sub>, 7, 2, 24; 2001 RC<sub>85</sub>, 11, 3, 1914; 2001 RD<sub>89</sub>, 3, 1, 0; 2001 RF<sub>90</sub>, 3, 1, 0; 2001 RD<sub>92</sub>, 8, 2, 4; 2001 RC<sub>98</sub>, 4, 1, 0; 2001 RB<sub>104</sub>, 10, 2, 34; 2001 RR<sub>105</sub>, 8, 2, 32; 2001 RS<sub>106</sub>, 4, 1, 0; 2001 RN<sub>107</sub>, 13, 3, 63; 2001 RU<sub>108</sub>, 4, 1, 0; 2001 RD<sub>109</sub>, 3, 1, 0; 2001 RN<sub>109</sub>, 4, 1, 0; 2001 RD<sub>115</sub>, 4, 1, 0; 2001 RM<sub>118</sub>, 3, 1, 0; 2001 RL<sub>123</sub>, 5, 1, 0; 2001 RT<sub>123</sub>, 4, 1, 0; 2001 RN<sub>127</sub>, 4, 1, 0; 2001 RF<sub>129</sub>, 4, 1, 0; 2001 RO<sub>132</sub>, 11, 3, 50; 2001 RP<sub>133</sub>, 6, 2, 19; 2001 RB<sub>134</sub>, 4, 1, 0; 2001 RG<sub>137</sub>, 3, 1, 0; 2001 RJ<sub>145</sub>, 5, 1, 0; 2001 RN<sub>148</sub>, 4, 1, 0; 2001 RM<sub>149</sub>, 10, 1, 0; 2001 RS<sub>149</sub>, 10, 1, 0; 2001 SH<sub>3</sub>, 3, 1, 0; 2001 SU<sub>5</sub>, 5, 1, 0; 2001 SU<sub>1</sub>, 4, 1, 0; 2001 SM<sub>2</sub>, 4, 1, 0; 2001 SW<sub>4</sub>, 5, 1, 0; 2001 SS<sub>6</sub>, 3, 1, 0; 2001 SL<sub>9</sub>, 10, 3, 43; 2001 SP<sub>9</sub>, 4, 1, 0; 2001 SQ<sub>9</sub>, 4, 1, 0; 2001 SX<sub>10</sub>, 9, 2, 1713; 2001 SQ<sub>11</sub>, 4, 1, 0; 2001 SE<sub>12</sub>, 4, 1, 0; 2001 SU<sub>15</sub>, 3, 1, 0; 2001 SB<sub>17</sub>, 3, 1, 0; 2001 SF<sub>20</sub>, 5, 1, 0; 2001 SA<sub>21</sub>, 10, 2, 26; 2001 SB<sub>22</sub>, 3, 1, 0; 2001 SS<sub>23</sub>, 3, 1, 0; 2001 SD<sub>24</sub>, 5, 1, 0; 2001 SU<sub>25</sub>, 3, 1, 0; 2001 SN<sub>26</sub>, 7, 2, 23; 2001 SQ<sub>28</sub>, 4, 1, 0; 2001 SD<sub>30</sub>, 4, 1, 0; 2001 SZ<sub>31</sub>, 8, 2, 468; 2001 SU<sub>32</sub>, 3, 1, 0; 2001 SK<sub>36</sub>, 4, 1, 0; 2001 SU<sub>36</sub>, 4, 1, 0; 2001 SF<sub>42</sub>, 5, 1, 0; 2001 SC<sub>44</sub>, 3, 1, 0; 2001 SY<sub>44</sub>, 8, 2, 1015; 2001 SJ<sub>45</sub>, 3, 1, 0; 2001 SQ<sub>46</sub>, 9, 2, 37; 2001 SS<sub>46</sub>, 4, 1, 0; 2001 SE<sub>50</sub>, 4, 1, 0; 2001 SY<sub>51</sub>, 4, 1, 0; 2001 SK<sub>56</sub>, 4, 1, 0; 2001 SN<sub>60</sub>, 3, 1, 0; 2001 SG<sub>62</sub>, 4, 1, 0; 2001 SC<sub>63</sub>, 4, 1, 0; 2001 SW<sub>66</sub>, 4, 1, 0; 2001 SL<sub>80</sub>, 13, 3, 65; 2001 SY<sub>80</sub>, 4, 1, 0; 2001 SR<sub>83</sub>, 3, 1, 0; 2001 SK<sub>88</sub>, 5, 1, 0; 2001 SY<sub>91</sub>, 3, 1, 0; 2001 SH<sub>93</sub>, 4, 1, 0; 2001 SF<sub>96</sub>, 8, 2, 58; 2001 SS<sub>104</sub>, 4, 1, 0; 2001 SL<sub>108</sub>, 5, 1, 0; 2001 SR<sub>108</sub>, 3, 1, 0; 2001 SW<sub>108</sub>, 5, 1, 0; 2001 SW<sub>109</sub>, 4, 1, 0; 2001 SS<sub>110</sub>, 4, 1, 0; 2001 SA<sub>111</sub>, 4, 1, 0; 2001 SK<sub>111</sub>, 4, 1, 0; 2001 SS<sub>117</sub>, 4, 1, 0; 2001 SA<sub>120</sub>, 4, 1, 0; 2001 SD<sub>120</sub>, 19, 5, 92; 2001 SE<sub>124</sub>, 4, 1, 0; 2001 SK<sub>124</sub>, 4, 1, 0; 2001 SJ<sub>125</sub>, 4, 1, 0; 2001 SR<sub>125</sub>, 4, 1, 0; 2001 SS<sub>126</sub>, 5, 1, 0; 2001 SO<sub>127</sub>, 4, 1, 0; 2001 SH<sub>128</sub>, 4, 1, 0; 2001 SS<sub>128</sub>, 4, 1, 0; 2001 SW<sub>128</sub>, 3, 1, 0; 2001 SD<sub>129</sub>, 5, 1, 0; 2001 SE<sub>130</sub>, 3, 1, 0; 2001 SB<sub>131</sub>, 9, 2, 38; 2001 SO<sub>131</sub>, 4, 1, 0; 2001 SZ<sub>131</sub>, 4, 1, 0; 2001 SN<sub>134</sub>, 4, 1, 0; 2001 SP<sub>136</sub>, 5, 1, 0; 2001 SN<sub>140</sub>, 8, 2, 26; 2001 SP<sub>140</sub>, 8, 1, 0; 2001 SW<sub>141</sub>, 13, 2, 30; 2001 SH<sub>143</sub>, 4, 1, 0; 2001 SL<sub>144</sub>, 4, 1, 0; 2001 SJ<sub>147</sub>, 4, 1, 0; 2001 SS<sub>147</sub>, 5, 1, 0; 2001 SC<sub>150</sub>, 4, 1, 0; 2001 SR<sub>154</sub>, 4, 1, 0; 2001 SN<sub>157</sub>, 4, 1, 0; 2001 SW<sub>160</sub>, 5, 1, 0; 2001 SD<sub>166</sub>, 5, 1, 0; 2001 SQ<sub>166</sub>, 3, 1, 0; 2001 SS<sub>166</sub>, 5, 1, 0; 2001 SS<sub>169</sub>, 5, 1, 0; 2001 SS<sub>173</sub>, 3, 1, 0; 2001 SV<sub>173</sub>, 3, 1, 0; 2001 SC<sub>175</sub>, 4, 1, 0; 2001 SS<sub>176</sub>, 3, 1, 0; 2001 SH<sub>179</sub>, 5, 1, 0; 2001 SD<sub>180</sub>, 4, 1, 0; 2001 SP<sub>181</sub>, 7, 2, 34; 2001 SQ<sub>181</sub>, 5, 1, 0; 2001 SP<sub>182</sub>, 5, 1, 0; 2001 SO<sub>185</sub>, 5, 1, 0; 2001 SG<sub>187</sub>, 4, 1, 0; 2001 SN<sub>194</sub>, 3, 1, 0; 2001 SK<sub>204</sub>, 4, 1, 0; 2001 SA<sub>206</sub>, 4, 1, 0; 2001 SB<sub>207</sub>, 3, 1, 0; 2001 SM<sub>208</sub>, 4, 1, 0; 2001 SM<sub>210</sub>, 7, 2, 8; 2001 SR<sub>217</sub>, 9, 2, 27; 2001 SH<sub>219</sub>, 8, 2, 30; 2001 SZ<sub>219</sub>, 5, 1, 0; 2001 SH<sub>229</sub>, 4, 1, 0; 2001 SR<sub>234</sub>, 4, 1, 0; 2001 SD<sub>235</sub>, 8, 2, 27; 2001 SF<sub>237</sub>, 4, 1, 0; 2001 SM<sub>238</sub>, 3, 1, 0; 2001 SR<sub>247</sub>, 4, 1, 0; 2001 SA<sub>248</sub>, 3, 1, 0; 2001 SQ<sub>249</sub>, 4, 1, 0; 2001 SC<sub>253</sub>, 3, 1, 0; 2001 SN<sub>255</sub>, 4, 1, 0; 2001 SJ<sub>257</sub>, 8, 2, 1311; 2001 SP<sub>259</sub>, 4, 1, 0; 2001 SV<sub>260</sub>, 4, 1, 0; 2001 SC<sub>265</sub>, 3, 1, 0; 2001 SO<sub>268</sub>, 3, 1, 0; 2001 SJ<sub>272</sub>, 3, 1, 0; 2001 SC<sub>273</sub>, 5, 1, 0; 2001 ST<sub>276</sub>, 5, 1, 0; 2001 SX<sub>287</sub>, 3, 1, 0; 2001 SK<sub>290</sub>, 4, 1, 0; 2001 SM<sub>292</sub>, 3, 1, 0; 2001 SO<sub>311</sub>, 4, 1, 0; 2001 SH<sub>317</sub>, 13, 3, 58; 2001 SL<sub>317</sub>, 3, 1, 0; 2001 SE<sub>322</sub>, 3, 1, 0; 2001 ST<sub>323</sub>, 4, 1, 0; 2001 SH<sub>324</sub>, 20, 5, 931; 2001 SO<sub>324</sub>, 6, 2, 50; 2001 SH<sub>325</sub>, 5, 1, 0; 2001 SJ<sub>327</sub>, 4, 1, 0; 2001 SP<sub>327</sub>, 3, 1, 0; 2001 SB<sub>334</sub>, 9, 2, 29; 2001 SB<sub>342</sub>, 3, 1, 0; 2001 SD<sub>343</sub>, 4, 1, 0; 2001 ST<sub>343</sub>, 13, 3, 465; 2001 SJ<sub>345</sub>, 5, 1, 0; 2001 SL<sub>345</sub>, 5, 1, 0; 2001 SA<sub>347</sub>, 5, 1, 0; 2001 SJ<sub>347</sub>, 3, 1, 0; 2001 TF<sub>1</sub>, 3, 1, 0; 2001 TW<sub>2</sub>, 4, 1, 0; 2001 TX<sub>6</sub>, 16, 4, 39; 2001 TC<sub>7</sub>, 4, 1, 0; 2001 TM<sub>8</sub>, 4, 1, 0; 2001 TJ<sub>9</sub>, 3, 1, 0; 2001 TR<sub>15</sub>, 3, 1, 0; 2001 TW<sub>16</sub>, 3, 1, 0; 2001 TL<sub>17</sub>, 4, 1, 0; 2001 TD<sub>20</sub>, 4, 1, 0; 2001 TM<sub>20</sub>, 4, 1, 0; 2001 TB<sub>24</sub>, 8, 2, 5; 2001 TZ<sub>25</sub>, 3, 1, 0; 2001 TE<sub>27</sub>, 4, 1, 0; 2001 TV<sub>29</sub>, 5, 1, 0; 2001 TU<sub>30</sub>, 5, 1, 0; 2001 TE<sub>32</sub>, 4,

2001 UD<sub>33</sub>, 5, 1, 0; 2001 UK<sub>35</sub>, 3, 1, 0; 2001 UM<sub>36</sub>, 4, 1, 0; 2001 UW<sub>36</sub>, 4, 1, 0; 2001 UY<sub>36</sub>, 4, 1, 0; 2001 UG<sub>40</sub>, 4, 1, 0; 2001 UW<sub>43</sub>, 4, 1, 0; 2001 UP<sub>45</sub>, 3, 1, 0; 2001 UO<sub>46</sub>, 4, 1, 0; 2001 UY<sub>47</sub>, 5, 1, 0; 2001 UP<sub>48</sub>, 9, 2, 26; 2001 UG<sub>51</sub>, 9, 2, 5; 2001 UE<sub>53</sub>, 5, 1, 0; 2001 UH<sub>53</sub>, 4, 1, 0; 2001 UK<sub>55</sub>, 4, 1, 0; 2001 UM<sub>57</sub>, 6, 2, 467; 2001 UD<sub>58</sub>, 4, 1, 0; 2001 UP<sub>60</sub>, 13, 1, 0; 2001 UZ<sub>60</sub>, 4, 1, 0; 2001 UB<sub>61</sub>, 4, 1, 0; 2001 UY<sub>61</sub>, 5, 1, 0; 2001 UW<sub>64</sub>, 3, 1, 0; 2001 UO<sub>65</sub>, 5, 1, 0; 2001 UM<sub>66</sub>, 12, 3, 55; 2001 UA<sub>72</sub>, 4, 1, 0; 2001 UZ<sub>77</sub>, 4, 1, 0; 2001 UF<sub>81</sub>, 5, 1, 0; 2001 UH<sub>82</sub>, 4, 1, 0; 2001 UO<sub>82</sub>, 9, 2, 19; 2001 UM<sub>83</sub>, 4, 1, 0; 2001 UH<sub>84</sub>, 5, 1, 0; 2001 UA<sub>89</sub>, 5, 1, 0; 2001 US<sub>90</sub>, 4, 1, 0; 2001 US<sub>95</sub>, 4, 1, 0; 2001 UE<sub>97</sub>, 7, 2, 12; 2001 UH<sub>97</sub>, 3, 1, 0; 2001 UE<sub>100</sub>, 3, 1, 0; 2001 UN<sub>101</sub>, 4, 1, 0; 2001 UY<sub>102</sub>, 5, 1, 0; 2001 UU<sub>103</sub>, 3, 1, 0; 2001 UR<sub>105</sub>, 5, 1, 0; 2001 UV<sub>109</sub>, 21, 5, 1721; 2001 UV<sub>110</sub>, 5, 1, 0; 2001 UU<sub>116</sub>, 5, 1, 0; 2001 UQ<sub>117</sub>, 4, 1, 0; 2001 UK<sub>119</sub>, 4, 1, 0; 2001 UL<sub>119</sub>, 4, 1, 0; 2001 UF<sub>120</sub>, 4, 1, 0; 2001 UM<sub>120</sub>, 4, 1, 0; 2001 UN<sub>120</sub>, 5, 1, 0; 2001 UW<sub>121</sub>, 4, 1, 0; 2001 UX<sub>124</sub>, 4, 1, 0; 2001 UA<sub>125</sub>, 8, 2, 31; 2001 UB<sub>125</sub>, 5, 1, 0; 2001 UF<sub>126</sub>, 4, 1, 0; 2001 UQ<sub>126</sub>, 5, 1, 0; 2001 UD<sub>127</sub>, 5, 1, 0; 2001 UL<sub>130</sub>, 4, 1, 0; 2001 US<sub>136</sub>, 3, 1, 0; 2001 UM<sub>139</sub>, 5, 1, 0; 2001 UN<sub>139</sub>, 4, 1, 0; 2001 UG<sub>140</sub>, 4, 1, 0; 2001 UC<sub>141</sub>, 4, 1, 0; 2001 US<sub>145</sub>, 7, 2, 16; 2001 UV<sub>155</sub>, 4, 1, 0; 2001 UY<sub>159</sub>, 4, 1, 0; 2001 UV<sub>160</sub>, 4, 1, 0; 2001 UV<sub>161</sub>, 3, 1, 0; 2001 UT<sub>163</sub>, 4, 1, 0; 2001 UU<sub>164</sub>, 4, 1, 0; 2001 UL<sub>167</sub>, 5, 1, 0; 2001 UT<sub>167</sub>, 4, 1, 0; 2001 UC<sub>169</sub>, 5, 1, 0; 2001 UH<sub>169</sub>, 5, 1, 0; 2001 UX<sub>172</sub>, 5, 1, 0; 2001 UC<sub>177</sub>, 7, 2, 500; 2001 UG<sub>179</sub>, 4, 1, 0; 2001 UR<sub>182</sub>, 4, 1, 0; 2001 UL<sub>183</sub>, 11, 3, 1401; 2001 UZ<sub>183</sub>, 13, 3, 437; 2001 UN<sub>184</sub>, 4, 1, 0; 2001 UL<sub>187</sub>, 3, 1, 0; 2001 UN<sub>187</sub>, 3, 1, 0; 2001 UY<sub>187</sub>, 5, 1, 0; 2001 UB<sub>189</sub>, 4, 1, 0; 2001 UD<sub>192</sub>, 7, 2, 47; 2001 UU<sub>192</sub>, 5, 1, 0; 2001 UD<sub>193</sub>, 7, 2, 32; 2001 UG<sub>195</sub>, 5, 1, 0; 2001 UJ<sub>201</sub>, 3, 1, 0; 2001 UR<sub>203</sub>, 3, 1, 0; 2001 UB<sub>204</sub>, 4, 1, 0; 2001 UE<sub>205</sub>, 5, 1, 0; 2001 UU<sub>205</sub>, 5, 1, 0; 2001 UF<sub>206</sub>, 3, 1, 0; 2001 UA<sub>210</sub>, 5, 1, 0; 2001 UE<sub>213</sub>, 4, 1, 0; 2001 UL<sub>213</sub>, 7, 1, 0; 2001 UT<sub>213</sub>, 10, 2, 1422; 2001 UC<sub>214</sub>, 4, 1, 0; 2001 UH<sub>214</sub>, 8, 2, 60; 2001 UL<sub>216</sub>, 5, 1, 0; 2001 UG<sub>217</sub>, 5, 1, 0; 2001 UC<sub>218</sub>, 5, 1, 0; 2001 VO<sub>4</sub>, 1, 0; 2001 VE<sub>5</sub>, 4, 1, 0; 2001 VW<sub>11</sub>, 4, 1, 0; 2001 VS<sub>12</sub>, 5, 1, 0; 2001 VD<sub>13</sub>, 4, 1, 0; 2001 VQ<sub>14</sub>, 4, 1, 0; 2001 VT<sub>14</sub>, 4, 1, 0; 2001 VW<sub>15</sub>, 8, 1, 0; 2001 VX<sub>15</sub>, 3, 1, 0; 2001 VD<sub>16</sub>, 3, 1, 0; 2001 VL<sub>16</sub>, 4, 1, 0; 2001 VU<sub>16</sub>, 5, 1, 0; 2001 VJ<sub>17</sub>, 9, 2, 42; 2001 VT<sub>19</sub>, 4, 1, 0; 2001 VK<sub>24</sub>, 4, 1, 0; 2001 VM<sub>26</sub>, 4, 1, 0; 2001 VO<sub>28</sub>, 4, 1, 0; 2001 VR<sub>28</sub>, 3, 1, 0; 2001 VZ<sub>31</sub>, 3, 1, 0; 2001 VE<sub>33</sub>, 12, 3, 29; 2001 VD<sub>40</sub>, 4, 1, 0; 2001 VC<sub>44</sub>, 5, 1, 0; 2001 VD<sub>48</sub>, 5, 1, 0; 2001 VC<sub>50</sub>, 12, 3, 500; 2001 VJ<sub>51</sub>, 6, 2, 30; 2001 VP<sub>51</sub>, 4, 1, 0; 2001 VR<sub>51</sub>, 4, 1, 0; 2001 VW<sub>51</sub>, 8, 2, 477; 2001 VU<sub>53</sub>, 5, 1, 0; 2001 VX<sub>58</sub>, 5, 1, 0; 2001 VR<sub>62</sub>, 5, 1, 0; 2001 VX<sub>62</sub>, 4, 1, 0; 2001 VP<sub>63</sub>, 3, 1, 0; 2001 VT<sub>65</sub>, 4, 1, 0; 2001 VS<sub>66</sub>, 12, 3, 57; 2001 VF<sub>68</sub>, 5, 1, 0; 2001 VN<sub>69</sub>, 4, 1, 0; 2001 VO<sub>69</sub>, 4, 1, 0; 2001 VR<sub>69</sub>, 8, 2, 55; 2001 VG<sub>71</sub>, 21, 5, 70; 2001 VD<sub>74</sub>, 4, 1, 0; 2001 VL<sub>76</sub>, 5, 1, 0; 2001 VO<sub>78</sub>, 7, 2, 20; 2001 VD<sub>80</sub>, 4, 1, 0; 2001 VQ<sub>80</sub>, 4, 1, 0; 2001 VY<sub>82</sub>, 4, 1, 0; 2001 VN<sub>83</sub>, 5, 1, 0; 2001 VE<sub>87</sub>, 5, 1, 0; 2001 VO<sub>87</sub>, 5, 1, 0; 2001 VS<sub>87</sub>, 5, 1, 0; 2001 VP<sub>90</sub>, 4, 1, 0; 2001 VQ<sub>91</sub>, 4, 1, 0; 2001 VS<sub>91</sub>, 4, 1, 0; 2001 VT<sub>94</sub>, 3, 1, 0; 2001 VK<sub>95</sub>, 4, 1, 0; 2001 VT<sub>95</sub>, 5, 1, 0; 2001 VU<sub>95</sub>, 5, 1, 0; 2001 VZ<sub>96</sub>, 3, 1, 0; 2001 VT<sub>97</sub>, 5, 1, 0; 2001 VM<sub>98</sub>, 5, 1, 0; 2001 VQ<sub>99</sub>, 4, 1, 0; 2001 VY<sub>99</sub>, 10, 2, 88; 2001 VZ<sub>99</sub>, 5, 1, 0; 2001 VH<sub>103</sub>, 3, 1, 0; 2001 VT<sub>106</sub>, 3, 1, 0; 2001 VK<sub>113</sub>, 4, 1, 0; 2001 VM<sub>113</sub>, 3, 1, 0; 2001 VR<sub>113</sub>, 4, 1, 0; 2001 VL<sub>122</sub>, 5, 1, 0; 2001 VC<sub>123</sub>, 13, 3, 61; 2001 VN<sub>125</sub>, 16, 4, 1336; 2001 WK<sub>4</sub>, 1, 0; 2001 WX<sub>1</sub>, 7, 2, 32; 2001 WY<sub>1</sub>, 3, 1, 0; 2001 WL<sub>2</sub>, 4, 1, 0; 2001 WQ<sub>2</sub>, 4, 1, 0; 2001 WM<sub>4</sub>, 4, 1, 0; 2001 WD<sub>8</sub>, 4, 1, 0; 2001 WS<sub>8</sub>, 5, 1, 0; 2001 WZ<sub>9</sub>, 4, 1, 0; 2001 WL<sub>10</sub>, 4, 1, 0; 2001 WU<sub>14</sub>, 4, 1, 0; 2001 WG<sub>15</sub>, 4, 1, 0; 2001 WW<sub>16</sub>, 4, 1, 0; 2001 WX<sub>17</sub>, 3, 1, 0; 2001 WL<sub>20</sub>, 5, 1, 0; 2001 WD<sub>21</sub>, 5, 1, 0; 2001 WN<sub>37</sub>, 5, 1, 0; 2001 WF<sub>38</sub>, 4, 1, 0; 2001 WK<sub>45</sub>, 4, 1, 0; 2001 WN<sub>51</sub>, 4, 1, 0; 2001 WY<sub>52</sub>, 4, 1, 0; 2001 WE<sub>75</sub>, 4, 1, 0; 2001 WS<sub>76</sub>, 9, 2, 391; 2001 WK<sub>90</sub>, 9, 2, 471; 2001 WM<sub>90</sub>, 8, 2, 22; 2001 WU<sub>98</sub>, 4, 1, 0; 2001 WE<sub>99</sub>, 4, 1, 0; 2001 WJ<sub>99</sub>, 9, 2, 31; 2001 WW<sub>100</sub>, 4, 1, 0; 2001 WY<sub>101</sub>, 4, 1, 0; 2001 XT<sub>3</sub>, 10, 3, 30; 2001 XO<sub>4</sub>, 4, 1, 0; 2001 XY<sub>4</sub>, 5, 1, 0; 2001 XK<sub>6</sub>, 9, 2, 2; 2001 XB<sub>8</sub>, 3, 1, 0; 2001 XU<sub>10</sub>, 10, 2, 22; 2001 XD<sub>12</sub>, 22, 5, 32; 2001 XR<sub>14</sub>, 4, 1, 0; 2001 XO<sub>18</sub>, 4, 1, 0; 2001 XC<sub>19</sub>, 8, 2, 1003; 2001 XP<sub>19</sub>, 3, 1, 0; 2001 XY<sub>20</sub>, 4, 1, 0; 2001 XQ<sub>23</sub>, 3, 1, 0; 2001 XF<sub>26</sub>, 15, 4, 38; 2001 XK<sub>26</sub>, 7, 1, 0; 2001 XF<sub>28</sub>, 5, 1, 0; 2001 XC<sub>29</sub>, 5, 1, 0; 2001 XW<sub>29</sub>, 12, 3, 66; 2001 XG<sub>30</sub>, 8, 2, 42; 2001 XP<sub>30</sub>, 3, 1, 0; 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2001 XR<sub>97</sub>, 3, 1, 0; 2001 XT<sub>97</sub>, 5, 1, 0; 2001 XH<sub>99</sub>, 5, 1, 0; 2001 XS<sub>102</sub>, 6, 2, 31; 2001 XO<sub>104</sub>, 5, 1, 0; 2001 XT<sub>107</sub>, 15, 4, 1036; 2001 XF<sub>109</sub>, 5, 1, 0; 2001 XL<sub>109</sub>, 4, 1, 0; 2001 XX<sub>113</sub>, 14, 3, 33; 2001 XG<sub>118</sub>, 3, 1, 0; 2001 XM<sub>119</sub>, 4, 1, 0; 2001 XT<sub>119</sub>, 5, 1, 0; 2001 XW<sub>119</sub>, 4, 1, 0; 2001 XB<sub>120</sub>, 5, 1, 0; 2001 XZ<sub>120</sub>, 5, 1, 0; 2001 XC<sub>123</sub>, 3, 1, 0; 2001 XJ<sub>129</sub>, 4, 1, 0; 2001 XJ<sub>130</sub>, 4, 1, 0; 2001 XL<sub>131</sub>, 4, 1, 0; 2001 XM<sub>132</sub>, 5, 1, 0; 2001 XC<sub>136</sub>, 5, 1, 0; 2001 XQ<sub>140</sub>, 4, 1, 0; 2001 XG<sub>141</sub>, 5, 1, 0; 2001 XX<sub>145</sub>, 4, 1, 0; 2001 XK<sub>148</sub>, 3, 1, 0; 2001 XH<sub>149</sub>, 16, 3, 32; 2001 XM<sub>156</sub>, 4, 1, 0; 2001 XB<sub>160</sub>, 4, 1, 0; 2001 XG<sub>165</sub>, 5, 1, 0; 2001 XL<sub>168</sub>, 5, 1, 0; 2001 XU<sub>169</sub>, 5, 1, 0; 2001 XC<sub>174</sub>, 5, 1, 0; 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2001 XA<sub>229</sub>, 3, 1, 0; 2001 XC<sub>231</sub>, 7, 2, 39; 2001 XD<sub>234</sub>, 4, 1, 0; 2001 XP<sub>239</sub>, 4, 1, 0; 2001 XV<sub>239</sub>, 4, 1, 0; 2001 XF<sub>240</sub>, 8, 2, 5; 2001 XW<sub>241</sub>, 5, 1, 0; 2001 XT<sub>243</sub>, 5, 1, 0; 2001 XB<sub>244</sub>, 3, 1, 0; 2001 XC<sub>245</sub>, 3, 1, 0; 2001 XK<sub>246</sub>, 3, 1, 0; 2001 XJ<sub>247</sub>, 3, 1, 0; 2001 XB<sub>248</sub>, 11, 3, 26; 2001 XL<sub>249</sub>, 3, 1, 0; 2001 XO<sub>249</sub>, 5, 1, 0; 2001 XG<sub>252</sub>, 4, 1, 0; 2001 XB<sub>254</sub>, 24, 6, 1748; 2001 XK<sub>256</sub>, 4, 1, 0; 2001 XN<sub>259</sub>, 3, 1, 0; 2001 XV<sub>259</sub>, 4, 1, 0; 2001 XX<sub>261</sub>, 5, 1, 0; 2001 XC<sub>262</sub>, 4, 1, 0; 2001 XR<sub>262</sub>, 5, 1, 0; 2001 XK<sub>263</sub>, 4, 1, 0; 2001 XO<sub>263</sub>, 4, 1, 0; 2001 YE<sub>3</sub>, 13, 2, 31; 2001 YF<sub>4</sub>, 17, 3, 12; 2001 YH<sub>4</sub>, 5, 1, 0; 2001 YQ<sub>4</sub>, 19, 4, 37; 2001 YP<sub>5</sub>, 3, 1, 0; 2001 YO<sub>10</sub>, 4, 1, 0; 2001 YR<sub>10</sub>, 5, 1, 0; 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2002 AZ<sub>63</sub>, 9, 2, 27; 2002 AS<sub>64</sub>, 20, 4, 28; 2002 AV<sub>64</sub>, 10, 3, 8; 2002 AY<sub>64</sub>, 5, 1, 0; 2002 AD<sub>66</sub>, 4, 1, 0; 2002 AO<sub>66</sub>, 3, 1, 0; 2002 AV<sub>66</sub>, 13, 3, 1630; 2002 AS<sub>67</sub>, 3, 1, 0; 2002 AR<sub>70</sub>, 4, 1, 0; 2002 AW<sub>71</sub>, 3, 1, 0; 2002 AL<sub>72</sub>, 4, 1, 0; 2002 AV<sub>72</sub>, 5, 1, 0; 2002 AD<sub>73</sub>, 5, 1, 0; 2002 AH<sub>73</sub>, 4, 1, 0; 2002 AH<sub>74</sub>, 3, 1, 0; 2002 AN<sub>74</sub>, 3, 1, 0; 2002 AE<sub>75</sub>, 3, 1, 0; 2002 AG<sub>78</sub>, 3, 1, 0; 2002 AQ<sub>78</sub>, 3, 1, 0; 2002 AM<sub>79</sub>, 3, 1, 0; 2002 AL<sub>80</sub>, 3, 1, 0; 2002 AD<sub>81</sub>, 9, 2, 7; 2002 AK<sub>81</sub>, 4, 1, 0; 2002 AR<sub>81</sub>, 4, 1, 0; 2002 AJ<sub>82</sub>, 8, 2, 24; 2002 AM<sub>83</sub>, 4, 1, 0; 2002 AJ<sub>84</sub>, 11, 3, 1634; 2002 AH<sub>85</sub>, 5, 1, 0; 2002 AR<sub>86</sub>, 26, 6, 34; 2002 AA<sub>87</sub>, 3, 1, 0; 2002 AG<sub>87</sub>, 4, 1, 0; 2002 AQ<sub>87</sub>, 4, 1, 0; 2002 AL<sub>88</sub>, 3, 1, 0; 2002 AW<sub>88</sub>, 5, 1, 0; 2002 AD<sub>90</sub>, 9, 2, 28; 20

8, 2, 10; 2002 BT<sub>25</sub>, 8, 2, 11; 2002 BU<sub>25</sub>, 19, 4, 37; 2002 BB<sub>28</sub>, 11, 3, 53; 2002 BM<sub>28</sub>, 4, 1, 0; 2002 BY<sub>28</sub>, 5, 1, 0; 2002 BG<sub>29</sub>, 5, 1, 0; 2002 BY<sub>29</sub>, 4, 1, 0; 2002 BH<sub>31</sub>, 3, 1, 0; 2002 CR<sub>5</sub>, 5, 1, 0; 2002 CO<sub>6</sub>, 3, 1, 0; 2002 CN<sub>7</sub>, 19, 4, 39; 2002 CQ<sub>7</sub>, 14, 3, 5; 2002 CT<sub>7</sub>, 5, 1, 0; 2002 CA<sub>8</sub>, 4, 1, 0; 2002 CD<sub>8</sub>, 5, 1, 0; 2002 CU<sub>9</sub>, 13, 3, 12; 2002 CB<sub>10</sub>, 8, 2, 1139; 2002 CD<sub>10</sub>, 22, 5, 1749; 2002 CP<sub>10</sub>, 3, 1, 0; 2002 CU<sub>10</sub>, 3, 1, 0; 2002 CB<sub>11</sub>, 8, 2, 10; 2002 CC<sub>11</sub>, 6, 2, 37; 2002 CP<sub>11</sub>, 31, 7, 31; 2002 CB<sub>12</sub>, 10, 2, 1422; 2002 CK<sub>12</sub>, 7, 2, 2; 2002 CY<sub>13</sub>, 9, 2, 7; 2002 CZ<sub>13</sub>, 10, 2, 7; 2002 CA<sub>14</sub>, 16, 4, 1030; 2002 CO<sub>14</sub>, 8, 2, 1004; 2002 CY<sub>14</sub>, 14, 3, 31; 2002 CH<sub>15</sub>, 13, 3, 37; 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2002 CN<sub>42</sub>, 23, 5, 60; 2002 CC<sub>43</sub>, 10, 2, 35; 2002 CH<sub>43</sub>, 4, 1, 0; 2002 CP<sub>43</sub>, 13, 3, 28; 2002 CR<sub>43</sub>, 17, 4, 37; 2002 CT<sub>43</sub>, 21, 5, 31; 2002 CU<sub>43</sub>, 16, 4, 32; 2002 CF<sub>44</sub>, 8, 2, 10; 2002 CH<sub>45</sub>, 15, 3, 29; 2002 CU<sub>45</sub>, 15, 3, 9; 2002 CE<sub>46</sub>, 3, 1, 0; 2002 CZ<sub>46</sub>, 9, 2, 33; 2002 CW<sub>47</sub>, 4, 1, 0; 2002 CZ<sub>48</sub>, 4, 1, 0; 2002 CR<sub>49</sub>, 9, 1, 0; 2002 CZ<sub>49</sub>, 27, 6, 69; 2002 CH<sub>50</sub>, 5, 1, 0; 2002 CX<sub>50</sub>, 22, 5, 37; 2002 CB<sub>51</sub>, 6, 2, 1007; 2002 CL<sub>51</sub>, 5, 1, 0; 2002 CC<sub>52</sub>, 4, 1, 0; 2002 CQ<sub>52</sub>, 21, 5, 32; 2002 CE<sub>53</sub>, 7, 2, 11; 2002 CN<sub>53</sub>, 18, 4, 30; 2002 CS<sub>53</sub>, 21, 5, 30; 2002 CW<sub>53</sub>, 4, 1, 0; 2002 CC<sub>54</sub>, 9, 2, 7; 2002 CG<sub>54</sub>, 17, 4, 40; 2002 CD<sub>55</sub>, 18, 4, 31; 2002 CT<sub>55</sub>, 24, 6, 64; 2002 CW<sub>55</sub>, 4, 1, 0; 2002 CK<sub>56</sub>, 5, 1, 0; 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2002 QA<sub>17</sub>, 9, 2, 28;

12, 3, 999; 2002 RV<sub>11</sub>, 15, 3, 55; 2002 RX<sub>11</sub>, 4, 1, 0; 2002 RD<sub>12</sub>, 5, 1, 0; 2002 RO<sub>12</sub>, 3, 1, 0; 2002 RP<sub>12</sub>, 7, 2, 59; 2002 RF<sub>13</sub>, 5, 1, 0; 2002 RG<sub>13</sub>, 8, 2, 51; 2002 RR<sub>13</sub>, 5, 1, 0; 2002 RT<sub>13</sub>, 4, 1, 0; 2002 RW<sub>13</sub>, 4, 1, 0; 2002 RA<sub>14</sub>, 3, 1, 0; 2002 RQ<sub>14</sub>, 3, 1, 0; 2002 RA<sub>15</sub>, 5, 1, 0; 2002 RV<sub>15</sub>, 3, 1, 0; 2002 RZ<sub>15</sub>, 3, 1, 0; 2002 RF<sub>16</sub>, 5, 1, 0; 2002 RJ<sub>16</sub>, 7, 2, 52; 2002 RP<sub>16</sub>, 17, 4, 1336; 2002 RS<sub>16</sub>, 3, 1, 0; 2002 RF<sub>17</sub>, 5, 1, 0; 2002 RN<sub>17</sub>, 4, 1, 0; 2002 RO<sub>17</sub>, 3, 1, 0; 2002 RD<sub>18</sub>, 5, 1, 0; 2002 RS<sub>18</sub>, 7, 1, 0; 2002 RM<sub>18</sub>, 10, 2, 8; 2002 RS<sub>18</sub>, 14, 3, 8; 2002 RY<sub>18</sub>, 4, 1, 0; 2002 RJ<sub>19</sub>, 5, 1, 0; 2002 RS<sub>19</sub>, 4, 1, 0; 2002 RU<sub>19</sub>, 4, 1, 0; 2002 RD<sub>20</sub>, 3, 1, 0; 2002 RL<sub>20</sub>, 5, 1, 0; 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2002 RE<sub>38</sub>, 9, 2, 4; 2002 RJ<sub>38</sub>, 5, 1, 0; 2002 RK<sub>38</sub>, 8, 2, 52; 2002 RP<sub>38</sub>, 4, 1, 0; 2002 RQ<sub>38</sub>, 5, 1, 0; 2002 RX<sub>38</sub>, 3, 1, 0; 2002 RY<sub>38</sub>, 8, 2, 34; 2002 RA<sub>39</sub>, 14, 2, 50; 2002 RB<sub>39</sub>, 7, 2, 4; 2002 RE<sub>39</sub>, 5, 1, 0; 2002 RG<sub>39</sub>, 5, 1, 0; 2002 RK<sub>39</sub>, 15, 3, 36; 2002 RP<sub>39</sub>, 5, 1, 0; 2002 RA<sub>40</sub>, 3, 1, 0; 2002 RE<sub>40</sub>, 4, 1, 0; 2002 RL<sub>40</sub>, 3, 1, 0; 2002 RS<sub>40</sub>, 9, 2, 1745; 2002 RZ<sub>40</sub>, 5, 1, 0; 2002 RC<sub>41</sub>, 3, 1, 0; 2002 RE<sub>41</sub>, 4, 1, 0; 2002 RJ<sub>41</sub>, 5, 1, 0; 2002 RF<sub>42</sub>, 4, 1, 0; 2002 RQ<sub>42</sub>, 3, 1, 0; 2002 RA<sub>43</sub>, 4, 1, 0; 2002 RJ<sub>43</sub>, 9, 2, 36; 2002 RM<sub>43</sub>, 4, 1, 0; 2002 RP<sub>43</sub>, 4, 1, 0; 2002 RR<sub>43</sub>, 4, 1, 0; 2002 RV<sub>43</sub>, 2, 1, 0; 2002 RX<sub>43</sub>, 3, 1, 0; 2002 RH<sub>44</sub>, 8, 2, 32; 2002 RN<sub>44</sub>, 4, 1, 0; 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2002 RX<sub>98</sub>, 3, 1, 0; 2002 RM<sub>99</sub>, 4, 1, 0; 2002 RQ<sub>99</sub>, 4, 1, 0; 2002 RS<sub>99</sub>, 4, 1, 0; 2002 RA<sub>101</sub>, 5, 1, 0; 2002 RS<sub>101</sub>, 9, 2, 3; 2002 RK<sub>102</sub>, 10, 2, 33; 2002 RO<sub>102</sub>, 4, 1, 0; 2002 RV<sub>104</sub>, 5, 1, 0; 2002 RA<sub>105</sub>, 4, 1, 0; 2002 RQ<sub>105</sub>, 9, 2, 7; 2002 RJ<sub>106</sub>, 3, 1, 0; 2002 RK<sub>106</sub>, 5, 1, 0; 2002 RM<sub>106</sub>, 5, 1, 0; 2002 RB<sub>107</sub>, 9, 2, 28; 2002 RF<sub>107</sub>, 10, 2, 33; 2002 RK<sub>107</sub>, 4, 1, 0; 2002 RJ<sub>107</sub>, 4, 1, 0; 2002 RE<sub>108</sub>, 5, 1, 0; 2002 RG<sub>108</sub>, 4, 1, 0; 2002 RM<sub>108</sub>, 8, 2, 1621; 2002 RP<sub>108</sub>, 4, 1, 0; 2002 RW<sub>108</sub>, 4, 1, 0; 2002 RC<sub>109</sub>, 4, 1, 0; 2002 RO<sub>109</sub>, 4, 1, 0; 2002 RT<sub>109</sub>, 3, 1, 0; 2002 RV<sub>110</sub>, 3, 1, 0; 2002 RY<sub>110</sub>, 5, 1, 0; 2002 RO<sub>111</sub>, 4, 1, 0; 2002 RV<sub>111</sub>, 4, 1, 0; 2002 RP<sub>112</sub>, 4, 1, 0; 2002 RW<sub>112</sub>, 3, 1, 0; 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2002 RQ<sub>113</sub>, 3, 1, 0; 2002 RV<sub>113</sub>, 3, 1, 0; 2002 RX<sub>113</sub>, 5, 1, 0; 2002 RB<sub>114</sub>, 7, 2, 893; 2002 RF<sub>114</sub>, 4, 1, 0; 2002 RJ<sub>114</sub>, 10, 2, 27; 2002 RP<sub>114</sub>, 4, 1, 0; 2002 RV<sub>114</sub>, 4, 1, 0; 2002 RZ<sub>114</sub>, 4, 1, 0; 2002 RA<sub>115</sub>, 3, 1, 0; 2002 RE<sub>115</sub>, 3, 1, 0; 2002 RL<sub>115</sub>, 4, 1, 0; 2002 RA<sub>116</sub>, 4, 1, 0; 2002 RD<sub>116</sub>, 4, 1, 0; 2002 RP<sub>116</sub>, 6, 2, 12; 2002 RV<sub>116</sub>, 13, 3, 110; 2002 RY<sub>116</sub>, 4, 1, 0; 2002 RJ<sub>117</sub>, 15, 3, 34; 2002 RV<sub>117</sub>, 5, 1, 0; 2002 RY<sub>117</sub>, 13, 3, 1801; 2002 RJ<sub>118</sub>, 4, 1, 0; 2002 RX<sub>118</sub>, 5, 1, 0; 2002 RD<sub>119</sub>, 5, 1, 0; 2002 RJ<sub>119</sub>, 17, 4, 1527; 2002 RT<sub>119</sub>, 5, 1, 0; 2002 RF<sub>120</sub>, 4, 1, 0; 2002 RO<sub>120</sub>, 4, 1, 0; 2002 RW<sub>120</sub>, 4, 1, 0; 2002 RY<sub>120</sub>, 8, 2, 946; 2002 RA<sub>121</sub>, 7, 2, 5; 2002 RJ<sub>121</sub>, 4, 1, 0; 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4, 1, 0; 2002 RH<sub>187</sub>, 3, 1, 0; 2002 RX<sub>187</sub>, 4, 1, 0; 2002 RY<sub>187</sub>, 5, 1, 0; 2002 RM<sub>188</sub>, 3, 1, 0; 2002 RD<sub>189</sub>, 4, 1, 0; 2002 RE<sub>189</sub>, 4, 1, 0; 2002 RL<sub>189</sub>, 4, 1, 0; 2002 RM<sub>189</sub>, 5, 1, 0; 2002 RP<sub>189</sub>, 7, 2, 28; 2002 RS<sub>189</sub>, 10, 3, 60; 2002 RD<sub>190</sub>, 3, 1, 0; 2002 RF<sub>190</sub>, 3, 1, 0; 2002 RM<sub>190</sub>, 4, 1, 0; 2002 RN<sub>190</sub>, 7, 2, 28; 2002 RA<sub>191</sub>, 10, 1, 0; 2002 RC<sub>191</sub>, 5, 1, 0; 2002 RF<sub>191</sub>, 5, 1, 0; 2002 RL<sub>191</sub>, 3, 1, 0; 2002 RO<sub>192</sub>, 4, 1, 0; 2002 RC<sub>193</sub>, 3, 1, 0; 2002 RP<sub>193</sub>, 5, 1, 0; 2002 RU<sub>193</sub>, 3, 1, 0; 2002 RY<sub>194</sub>, 5, 1, 0; 2002 RC<sub>195</sub>, 3, 1, 0; 2002 RA<sub>196</sub>, 4, 1, 0; 2002 RG<sub>196</sub>, 3, 1, 0; 2002 RO<sub>196</sub>, 3, 1, 0; 2002 RT<sub>196</sub>, 3, 1, 0; 2002 RW<sub>196</sub>, 5, 1, 0; 2002 RD<sub>197</sub>, 4, 1, 0; 2002 RK<sub>199</sub>, 3, 1, 0; 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2002 SC<sub>33</sub>, 3, 1, 0; 2002 SH<sub>33</sub>, 9, 2, 33; 2002 SK<sub>33</sub>, 3, 1, 0; 2002 SL<sub>33</sub>, 4, 1, 0; 2002 SM<sub>33</sub>, 3, 1, 0; 2002 SO<sub>33</sub>, 4, 1, 0; 2002 SS<sub>33</sub>, 7, 2, 26; 2002 SY<sub>33</sub>, 4, 1, 0; 2002 SC<sub>34</sub>, 8, 2, 31; 2002 SF<sub>34</sub>, 4, 1, 0; 2002 SS<sub>34</sub>, 3, 1, 0; 2002 SE<sub>35</sub>, 3, 1, 0; 2002 SK<sub>35</sub>, 8, 1, 0; 2002 SM<sub>35</sub>, 4, 1, 0; 2002 SQ<sub>35</sub>, 3, 1, 0; 2002 SM<sub>36</sub>, 3, 1, 0; 2002 SU<sub>36</sub>, 4, 1, 0; 2002 SX<sub>36</sub>, 9, 2, 30; 2002 SN<sub>37</sub>, 5, 1, 0; 2002 SJ<sub>37</sub>, 3, 1, 0; 2002 SS<sub>37</sub>, 4, 1, 0; 2002 SU<sub>37</sub>, 3, 1, 0; 2002 SV<sub>37</sub>, 3, 1, 0; 2002 SB<sub>38</sub>, 5, 1, 0; 2002 SF<sub>38</sub>, 9, 2, 23; 2002 SJ<sub>38</sub>, 3, 1, 0; 2002 SR<sub>38</sub>, 4, 1, 0; 2002 SX<sub>38</sub>, 5, 1, 0; 2002 SD<sub>39</sub>, 7, 2, 830; 2002 SM<sub>39</sub>, 3, 1, 0; 2002 SR<sub>39</sub>,

3, 1, 0; 2002 ST<sub>39</sub>, 5, 1, 0; 2002 SB<sub>40</sub>, 4, 1, 0; 2002 SC<sub>40</sub>, 5, 1, 0; 2002 SJ<sub>40</sub>, 3, 1, 0; 2002 SL<sub>40</sub>, 5, 1, 0; 2002 SQ<sub>40</sub>, 5, 1, 0; 2002 SR<sub>40</sub>, 10, 1, 0; 2002 SS<sub>40</sub>, 4, 1, 0; 2002 SA<sub>41</sub>, 3, 1, 0; 2002 SD<sub>41</sub>, 5, 1, 0; 2002 SH<sub>41</sub>, 5, 1, 0; 2002 SW<sub>41</sub>, 4, 1, 0; 2002 SY<sub>41</sub>, 3, 1, 0; 2002 SJ<sub>42</sub>, 4, 1, 0; 2002 SN<sub>42</sub>, 3, 1, 0; 2002 SO<sub>42</sub>, 4, 1, 0; 2002 SY<sub>42</sub>, 8, 2, 55; 2002 SJ<sub>43</sub>, 5, 1, 0; 2002 SP<sub>43</sub>, 3, 1, 0; 2002 SR<sub>43</sub>, 5, 1, 0; 2002 SS<sub>43</sub>, 3, 1, 0; 2002 ST<sub>43</sub>, 12, 3, 908; 2002 SU<sub>43</sub>, 4, 1, 0; 2002 SB<sub>44</sub>, 5, 1, 0; 2002 SM<sub>44</sub>, 3, 1, 0; 2002 SN<sub>44</sub>, 8, 2, 28; 2002 SP<sub>44</sub>, 5, 1, 0; 2002 SS<sub>44</sub>, 3, 1, 0; 2002 ST<sub>44</sub>, 3, 1, 0; 2002 SF<sub>45</sub>, 3, 1, 0; 2002 ST<sub>45</sub>, 5, 1, 0; 2002 SW<sub>45</sub>, 4, 1, 0; 2002 SJ<sub>46</sub>, 3, 1, 0; 2002 SL<sub>46</sub>, 4, 1, 0; 2002 SC<sub>47</sub>, 5, 1, 0; 2002 SE<sub>47</sub>, 4, 1, 0; 2002 SH<sub>47</sub>, 5, 1, 0; 2002 SL<sub>47</sub>, 4, 1, 0; 2002 SU<sub>47</sub>, 4, 1, 0; 2002 SC<sub>48</sub>, 3, 1, 0; 2002 SG<sub>48</sub>, 3, 1, 0; 2002 ST<sub>48</sub>, 10, 1, 0; 2002 SW<sub>48</sub>, 4, 1, 0; 2002 SD<sub>49</sub>, 3, 1, 0; 2002 SG<sub>49</sub>, 8, 2, 972; 2002 ST<sub>49</sub>, 3, 1, 0; 2002 SW<sub>49</sub>, 10, 2, 1; 2002 SX<sub>49</sub>, 3, 1, 0; 2002 SY<sub>49</sub>, 3, 1, 0; 2002 SZ<sub>49</sub>, 3, 1, 0; 2002 SA<sub>50</sub>, 4, 1, 0; 2002 SS<sub>50</sub>, 3, 1, 0; 2002 SU<sub>50</sub>, 4, 1, 0; 2002 SX<sub>50</sub>, 5, 1, 0; 2002 SN<sub>51</sub>, 5, 1, 0; 2002 SO<sub>51</sub>, 4, 1, 0; 2002 SQ<sub>51</sub>, 4, 1, 0; 2002 ST<sub>51</sub>, 3, 1, 0; 2002 SW<sub>51</sub>, 4, 1, 0; 2002 SZ<sub>51</sub>, 4, 1, 0; 2002 ST<sub>52</sub>, 3, 1, 0; 2002 SQ<sub>53</sub>, 3, 1, 0; 2002 SW<sub>53</sub>, 4, 1, 0; 2002 SY<sub>53</sub>, 12, 3, 883; 2002 SD<sub>54</sub>, 9, 2, 25; 2002 SE<sub>54</sub>, 4, 1, 0; 2002 SF<sub>54</sub>, 9, 2, 25; 2002 SG<sub>54</sub>, 7, 2, 25; 2002 SH<sub>54</sub>, 8, 2, 25; 2002 SJ<sub>54</sub>, 3, 1, 0; 2002 SK<sub>54</sub>, 11, 3, 59; 2002 SO<sub>54</sub>, 5, 1, 0; 2002 SQ<sub>54</sub>, 5, 1, 0; 2002 SR<sub>54</sub>, 5, 1, 0; 2002 SY<sub>54</sub>, 13, 3, 26; 2002 SA<sub>55</sub>, 21, 5, 1392; 2002 SD<sub>55</sub>, 9, 2, 21; 2002 SE<sub>55</sub>, 9, 2, 29; 2002 SF<sub>55</sub>, 8, 2, 29; 2002 SJ<sub>55</sub>, 4, 1, 0; 2002 ST<sub>55</sub>, 4, 1, 0; 2002 SG<sub>56</sub>, 8, 2, 56; 2002 SH<sub>57</sub>, 3, 1, 0; 2002 SL<sub>57</sub>, 5, 1, 0; 2002 SS<sub>57</sub>, 4, 1, 0; 2002 SX<sub>57</sub>, 9, 1, 0; 2002 SS<sub>58</sub>, 3, 1, 0; 2002 SV<sub>58</sub>, 3, 1, 0; 2002 SE<sub>59</sub>, 10, 2, 28; 2002 SO<sub>59</sub>, 4, 1, 0; 2002 SZ<sub>59</sub>, 7, 1, 0; 2002 SG<sub>61</sub>, 7, 2, 28; 2002 SW<sub>62</sub>, 8, 2, 24; 2002 SZ<sub>62</sub>, 3, 1, 0; 2002 SF<sub>63</sub>, 3, 1, 0; 2002 TJ<sub>8</sub>, 2, 3; 2002 TK<sub>4</sub>, 4, 1, 0; 2002 TO<sub>3</sub>, 3, 1, 0; 2002 TX<sub>9</sub>, 2, 1; 2002 TB<sub>1</sub>, 8, 2, 25; 2002 TK<sub>1</sub>, 4, 1, 0; 2002 TX<sub>1</sub>, 4, 1, 0; 2002 TE<sub>2</sub>, 3, 1, 0; 2002 TF<sub>2</sub>, 4, 1, 0; 2002 TQ<sub>2</sub>, 5, 1, 0; 2002 TU<sub>2</sub>, 4, 1, 0; 2002 TB<sub>3</sub>, 4, 1, 0; 2002 TP<sub>3</sub>, 10, 2, 911; 2002 TT<sub>3</sub>, 5, 1, 0; 2002 TH<sub>4</sub>, 4, 1, 0; 2002 TJ<sub>4</sub>, 4, 1, 0; 2002 TK<sub>4</sub>, 4, 1, 0; 2002 TL<sub>4</sub>, 5, 1, 0; 2002 TM<sub>4</sub>, 5, 1, 0; 2002 TN<sub>4</sub>, 5, 1, 0; 2002 TE<sub>5</sub>, 10, 2, 2; 2002 TN<sub>5</sub>, 3, 1, 0; 2002 TW<sub>5</sub>, 3, 1, 0; 2002 TU<sub>6</sub>, 5, 1, 0; 2002 TZ<sub>6</sub>, 4, 1, 0; 2002 TA<sub>7</sub>, 4, 1, 0; 2002 TC<sub>7</sub>, 9, 2, 25; 2002 TJ<sub>7</sub>, 9, 2, 849; 2002 TW<sub>7</sub>, 3, 1, 0; 2002 TY<sub>7</sub>, 3, 1, 0; 2002 TE<sub>8</sub>, 5, 1, 0; 2002 TG<sub>8</sub>, 9, 2, 1474; 2002 TO<sub>8</sub>, 4, 1, 0; 2002 TR<sub>8</sub>, 4, 1, 0; 2002 TT<sub>8</sub>, 15, 4, 1774; 2002 TX<sub>8</sub>, 4, 1, 0; 2002 TB<sub>9</sub>, 5, 1, 0; 2002 TF<sub>9</sub>, 4, 1, 0; 2002 TN<sub>9</sub>, 3, 1, 0; 2002 TT<sub>9</sub>, 4, 1, 0; 2002 TW<sub>9</sub>, 9, 2, 20; 2002 TK<sub>10</sub>, 8, 2, 1330; 2002 TL<sub>10</sub>, 4, 1, 0; 2002 TM<sub>10</sub>, 3, 1, 0; 2002 TO<sub>10</sub>, 3, 1, 0; 2002 TQ<sub>10</sub>, 3, 1, 0; 2002 TB<sub>11</sub>, 4, 1, 0; 2002 TC<sub>11</sub>, 6, 2, 467; 2002 TK<sub>11</sub>, 4, 1, 0; 2002 TX<sub>11</sub>, 5, 1, 0; 2002 TZ<sub>11</sub>, 5, 1, 0; 2002 TE<sub>12</sub>, 3, 1, 0; 2002 TX<sub>12</sub>, 4, 1, 0; 2002 TO<sub>13</sub>, 5, 1, 0; 2002 TP<sub>13</sub>, 4, 1, 0; 2002 TT<sub>13</sub>, 3, 1, 0; 2002 TY<sub>13</sub>, 7, 2, 53; 2002 TB<sub>14</sub>, 4, 1, 0; 2002 TF<sub>14</sub>, 7, 2, 23; 2002 TJ<sub>14</sub>, 4, 1, 0; 2002 TK<sub>14</sub>, 4, 1, 0; 2002 TL<sub>14</sub>, 7, 2, 27; 2002 TO<sub>14</sub>, 3, 1, 0; 2002 TQ<sub>14</sub>, 5, 1, 0; 2002 TU<sub>14</sub>, 4, 1, 0; 2002 TW<sub>14</sub>, 8, 2, 24; 2002 TF<sub>15</sub>, 4, 1, 0; 2002 TK<sub>15</sub>, 4, 1, 0; 2002 TM<sub>15</sub>, 3, 1, 0; 2002 TP<sub>15</sub>, 4, 1, 0; 2002 TT<sub>15</sub>, 9, 2, 26; 2002 TW<sub>15</sub>, 5, 1, 0; 2002 TZ<sub>15</sub>, 3, 1, 0; 2002 TB<sub>16</sub>, 3, 1, 0; 2002 TL<sub>16</sub>, 22, 4, 54; 2002 TM<sub>16</sub>, 5, 1, 0; 2002 TQ<sub>16</sub>, 3, 1, 0; 2002 TS<sub>16</sub>, 3, 1, 0; 2002 TE<sub>17</sub>, 5, 1, 0; 2002 TH<sub>17</sub>, 4, 1, 0; 2002 TY<sub>18</sub>, 5, 1, 0; 2002 TZ<sub>18</sub>, 13, 2, 26; 2002 TH<sub>19</sub>, 4, 1, 0; 2002 TV<sub>19</sub>, 3, 1, 0; 2002 TX<sub>19</sub>, 3, 1, 0; 2002 TH<sub>20</sub>, 4, 1, 0; 2002 TW<sub>20</sub>, 4, 1, 0; 2002 TZ<sub>20</sub>, 4, 1, 0; 2002 TP<sub>21</sub>, 9, 2, 54; 2002 TQ<sub>21</sub>, 3, 1, 0; 2002 TV<sub>21</sub>, 9, 2, 1053; 2002 TX<sub>21</sub>, 5, 1, 0; 2002 TL<sub>22</sub>, 4, 1, 0; 2002 TR<sub>23</sub>, 3, 1, 0; 2002 TZ<sub>23</sub>, 3, 1, 0; 2002 TD<sub>24</sub>, 3, 1, 0; 2002 TE<sub>24</sub>, 7, 2, 2; 2002 TY<sub>24</sub>, 4, 1, 0; 2002 TF<sub>25</sub>, 5, 1, 0; 2002 TK<sub>25</sub>, 5, 1, 0; 2002 TO<sub>26</sub>, 4, 1, 0; 2002 TQ<sub>26</sub>, 5, 1, 0; 2002 TS<sub>26</sub>, 4, 1, 0; 2002 TA<sub>27</sub>, 4, 1, 0; 2002 TD<sub>27</sub>, 4, 1, 0; 2002 TH<sub>27</sub>, 10, 2, 1332; 2002 TK<sub>27</sub>, 5, 1, 0; 2002 TP



5, 1, 0; 2002 TB<sub>67</sub>, 7, 2, 13; 2002 TC<sub>67</sub>, 11, 3, 122; 2002 TG<sub>67</sub>, 4, 1, 0; 2002 TH<sub>67</sub>, 3, 1, 0; 2002 TM<sub>67</sub>, 8, 2, 38; 2002 TZ<sub>67</sub>, 8, 2, 29; 2002 TP<sub>68</sub>, 7, 2, 448; 2002 TE<sub>69</sub>, 4, 1, 0; 2002 TG<sub>69</sub>, 4, 1, 0; 2002 TH<sub>69</sub>, 3, 1, 0; 2002 TJ<sub>69</sub>, 16, 3, 54; 2002 TF<sub>70</sub>, 5, 1, 0; 2002 TL<sub>70</sub>, 11, 3, 947; 2002 TR<sub>70</sub>, 10, 2, 6; 2002 TU<sub>70</sub>, 5, 1, 0; 2002 TC<sub>71</sub>, 4, 1, 0; 2002 TF<sub>71</sub>, 9, 2, 20; 2002 TN<sub>71</sub>, 5, 1, 0; 2002 TP<sub>71</sub>, 9, 2, 28; 2002 TR<sub>71</sub>, 5, 1, 0; 2002 TV<sub>71</sub>, 4, 1, 0; 2002 TB<sub>72</sub>, 5, 1, 0; 2002 TE<sub>72</sub>, 5, 1, 0; 2002 TF<sub>72</sub>, 14, 3, 31; 2002 TJ<sub>72</sub>, 5, 1, 0; 2002 TM<sub>72</sub>, 12, 3, 61; 2002 TP<sub>72</sub>, 5, 1, 0; 2002 TS<sub>72</sub>, 5, 1, 0; 2002 TB<sub>73</sub>, 5, 1, 0; 2002 TD<sub>73</sub>, 4, 1, 0; 2002 TH<sub>73</sub>, 3, 1, 0; 2002 TM<sub>73</sub>, 4, 1, 0; 2002 TN<sub>73</sub>, 4, 1, 0; 2002 TV<sub>73</sub>, 13, 3, 39; 2002 TW<sub>73</sub>, 5, 1, 0; 2002 TX<sub>73</sub>, 5, 1, 0; 2002 TZ<sub>73</sub>, 5, 1, 0; 2002 TB<sub>74</sub>, 5, 1, 0; 2002 TG<sub>74</sub>, 4, 1, 0; 2002 TL<sub>74</sub>, 10, 2, 29; 2002 TE<sub>75</sub>, 4, 1, 0; 2002 TB<sub>76</sub>, 4, 1, 0; 2002 TF<sub>76</sub>, 8, 2, 498; 2002 TP<sub>76</sub>, 3, 1, 0; 2002 TU<sub>76</sub>, 3, 1, 0; 2002 TY<sub>76</sub>, 4, 1, 0; 2002 TS<sub>77</sub>, 9, 2, 1360; 2002 TF<sub>78</sub>, 5, 1, 0; 2002 TS<sub>78</sub>, 5, 1, 0; 2002 TU<sub>78</sub>, 8, 2, 36; 2002 TA<sub>79</sub>, 9, 2, 51; 2002 TD<sub>79</sub>, 5, 1, 0; 2002 TE<sub>79</sub>, 4, 1, 0; 2002 TE<sub>80</sub>, 3, 1, 0; 2002 TP<sub>80</sub>, 4, 1, 0; 2002 TS<sub>80</sub>, 4, 1, 0; 2002 TC<sub>81</sub>, 16, 4, 32; 2002 TO<sub>81</sub>, 5, 1, 0; 2002 TX<sub>81</sub>, 4, 1, 0; 2002 TY<sub>81</sub>, 5, 1, 0; 2002 TA<sub>82</sub>, 4, 1, 0; 2002 TB<sub>83</sub>, 8, 2, 8; 2002 TE<sub>83</sub>, 3, 1, 0; 2002 TK<sub>83</sub>, 5, 1, 0; 2002 TN<sub>83</sub>, 4, 1, 0; 2002 TB<sub>83</sub>, 4, 1, 0; 2002 TO<sub>84</sub>, 4, 1, 0; 2002 TP<sub>84</sub>, 4, 1, 0; 2002 TV<sub>84</sub>, 5, 1, 0; 2002 TX<sub>84</sub>, 9, 2, 81; 2002 TA<sub>85</sub>, 5, 1, 0; 2002 TD<sub>85</sub>, 10, 1, 0; 2002 TH<sub>85</sub>, 9, 2, 80; 2002 TK<sub>85</sub>, 3, 1, 0; 2002 TQ<sub>85</sub>, 5, 1, 0; 2002 TU<sub>85</sub>, 4, 1, 0; 2002 TZ<sub>85</sub>, 4, 1, 0; 2002 TC<sub>86</sub>, 9, 2, 29; 2002 TH<sub>86</sub>, 9, 2, 33; 2002 TK<sub>86</sub>, 5, 1, 0; 2002 TB<sub>87</sub>, 4, 1, 0; 2002 TN<sub>87</sub>, 3, 1, 0; 2002 TO<sub>87</sub>, 5, 1, 0; 2002 TC<sub>88</sub>, 5, 1, 0; 2002 TD<sub>88</sub>, 8, 2, 26; 2002 TL<sub>88</sub>, 3, 1, 0; 2002 TS<sub>88</sub>, 3, 1, 0; 2002 TZ<sub>88</sub>, 3, 1, 0; 2002 TB<sub>89</sub>, 4, 1, 0; 2002 TZ<sub>89</sub>, 5, 1, 0; 2002 TR<sub>90</sub>, 4, 1, 0; 2002 TU<sub>90</sub>, 4, 1, 0; 2002 TK<sub>91</sub>, 5, 1, 0; 2002 TO<sub>91</sub>, 8, 2, 440; 2002 TY<sub>91</sub>, 7, 2, 31; 2002 TK<sub>92</sub>, 8, 2, 9; 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2002 TL<sub>108</sub>, 18, 4, 995; 2002 TW<sub>108</sub>, 3, 1, 0; 2002 TB<sub>109</sub>, 9, 2, 45; 2002 TE<sub>109</sub>, 4, 1, 0; 2002 TJ<sub>109</sub>, 3, 1, 0; 2002 TL<sub>109</sub>, 3, 1, 0; 2002 TZ<sub>109</sub>, 3, 1, 0; 2002 TL<sub>110</sub>, 8, 2, 1038; 2002 TR<sub>110</sub>, 4, 1, 0; 2002 TS<sub>110</sub>, 5, 1, 0; 2002 TF<sub>111</sub>, 5, 1, 0; 2002 TK<sub>111</sub>, 4, 1, 0; 2002 TM<sub>111</sub>, 15, 3, 52; 2002 TU<sub>111</sub>, 5, 1, 0; 2002 TV<sub>111</sub>, 13, 3, 1004; 2002 TY<sub>111</sub>, 4, 1, 0; 2002 TZ<sub>111</sub>, 4, 1, 0; 2002 TG<sub>112</sub>, 8, 2, 914; 2002 TK<sub>112</sub>, 22, 6, 1063; 2002 TM<sub>112</sub>, 13, 3, 908; 2002 TW<sub>113</sub>, 5, 1, 0; 2002 TT<sub>114</sub>, 3, 1, 0; 2002 TW<sub>114</sub>, 12, 3, 1008; 2002 TK<sub>115</sub>, 3, 1, 0; 2002 TG<sub>116</sub>, 19, 5, 1480; 2002 TM<sub>117</sub>, 5, 1, 0; 2002 TU<sub>117</sub>, 7, 2, 68; 2002 TS<sub>118</sub>, 5, 1, 0; 2002 TA<sub>119</sub>, 4, 1, 0; 2002 TG<sub>119</sub>, 5, 1, 0; 2002 TH<sub>120</sub>, 9, 2, 33; 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2002 TM<sub>129</sub>, 4, 1, 0; 2002 TR<sub>129</sub>, 13, 3, 1472; 2002 TW<sub>129</sub>, 7, 2, 32; 2002 TB<sub>130</sub>, 4, 1, 0; 2002 TH<sub>130</sub>, 3, 1, 0; 2002 TK<sub>130</sub>, 5, 1, 0; 2002 TL<sub>130</sub>, 5, 1, 0; 2002 TO<sub>130</sub>, 9, 2, 36; 2002 TP<sub>130</sub>, 5, 1, 0; 2002 TC<sub>131</sub>, 3, 1, 0; 2002 TG<sub>131</sub>, 9, 2, 26; 2002 TN<sub>131</sub>, 4, 1, 0; 2002 TQ<sub>131</sub>, 15, 3, 54; 2002 TU<sub>131</sub>, 10, 2, 26; 2002 TB<sub>132</sub>, 3, 1, 0; 2002 TC<sub>132</sub>, 5, 1, 0; 2002 TE<sub>132</sub>, 4, 1, 0; 2002 TJ<sub>132</sub>, 4, 1, 0; 2002 TN<sub>132</sub>, 4, 1, 0; 2002 TW<sub>132</sub>, 5, 1, 0; 2002 TD<sub>133</sub>, 4, 1, 0; 2002 TP<sub>133</sub>, 4, 1, 0; 2002 TR<sub>133</sub>, 5, 1, 0; 2002 TW<sub>133</sub>, 4, 1, 0; 2002 TE<sub>134</sub>, 4, 1, 0; 2002 TO<sub>134</sub>, 4, 1, 0; 2002 TH<sub>135</sub>, 4, 1, 0; 2002 TN<sub>135</sub>, 12, 3, 558; 2002 TQ<sub>135</sub>, 4, 1, 0; 2002 TS<sub>136</sub>, 9, 2, 34; 2002 TV<sub>136</sub>, 3, 1, 0; 2002 TA<sub>137</sub>, 4, 1, 0; 2002 TL<sub>137</sub>, 3, 1, 0; 2002 TB<sub>140</sub>, 4, 1, 0; 2002 TG<sub>140</sub>, 3, 1, 0; 2002 TU<sub>141</sub>, 4, 1, 0; 2002 TA<sub>142</sub>, 3, 1, 0; 2002 TH<sub>142</sub>, 11, 3, 973; 2002 TL<sub>142</sub>, 9, 2, 1482; 2002 TQ<sub>142</sub>, 9, 2, 18; 2002 TX<sub>142</sub>, 10, 3, 50; 2002 TJ<sub>143</sub>, 5, 1, 0; 2002 TY<sub>144</sub>, 3, 1, 0; 2002 TB<sub>145</sub>, 4, 1, 0; 2002 TH<sub>145</sub>, 4, 1, 0; 2002 TN<sub>145</sub>, 3, 1, 0; 2002 TA<sub>146</sub>, 3, 1, 0; 2002 TB<sub>146</sub>, 3, 1, 0; 2002 TE<sub>146</sub>, 4, 1, 0; 2002 TJ<sub>146</sub>, 4, 1, 0; 2002 TO<sub>146</sub>, 3, 1, 0; 2002 TH<sub>147</sub>, 7, 2, 22; 2002 TX<sub>147</sub>, 7, 2, 51; 2002 TS<sub>148</sub>, 5, 1, 0; 2002 TS<sub>150</sub>, 4, 1, 0; 2002 TC<sub>152</sub>, 5, 1, 0; 2002 TF<sub>154</sub>, 4, 1, 0; 2002 TG<sub>154</sub>, 5, 1, 0; 2002 TZ<sub>154</sub>, 4, 1, 0; 2002 TL<sub>155</sub>, 3, 1, 0; 2002 TS<sub>155</sub>, 4, 1, 0; 2002 TE<sub>156</sub>, 7, 1, 0; 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2002 TS<sub>168</sub>, 7, 2, 37; 2002 TE<sub>169</sub>, 4, 1, 0; 2002 TJ<sub>169</sub>, 12, 3, 93; 2002 TK<sub>169</sub>, 3, 1, 0; 2002 TM<sub>169</sub>, 4, 1, 0; 2002 TU<sub>169</sub>, 8, 2, 41; 2002 TY<sub>169</sub>, 4, 1, 0; 2002 TB<sub>170</sub>, 4, 1, 0; 2002 TO<sub>170</sub>, 4, 1, 0; 2002 TT<sub>170</sub>, 4, 1, 0; 2002 TZ<sub>170</sub>, 8, 2, 17; 2002 TD<sub>171</sub>, 15, 3, 55; 2002 TP<sub>171</sub>, 5, 1, 0; 2002 TS<sub>171</sub>, 4, 1, 0; 2002 TV<sub>171</sub>, 3, 1, 0; 2002 TW<sub>171</sub>, 5, 1, 0; 2002 TA<sub>172</sub>, 23, 4, 1340; 2002 TC<sub>172</sub>, 10, 3, 108; 2002 TM<sub>172</sub>, 8, 2, 33; 2002 TO<sub>172</sub>, 3, 1, 0; 2002 TE<sub>173</sub>,

4, 1, 0; 2002 TL<sub>173</sub>, 5, 1, 0; 2002 TM<sub>173</sub>, 36, 7, 1303; 2002 TD<sub>174</sub>, 3, 1, 0; 2002 TM<sub>174</sub>, 5, 1, 0; 2002 TE<sub>175</sub>, 12, 3, 25; 2002 TM<sub>176</sub>, 12, 3, 922; 2002 TU<sub>176</sub>, 9, 2, 35; 2002 TV<sub>176</sub>, 3, 1, 0; 2002 TC<sub>177</sub>, 3, 1, 0; 2002 TJ<sub>177</sub>, 5, 1, 0; 2002 TM<sub>177</sub>, 3, 1, 0; 2002 TF<sub>178</sub>, 7, 2, 1; 2002 TH<sub>179</sub>, 5, 1, 0; 2002 TJ<sub>179</sub>, 9, 2, 25; 2002 TL<sub>179</sub>, 7, 2, 5; 2002 TN<sub>179</sub>, 4, 1, 0; 2002 TW<sub>179</sub>, 5, 1, 0; 2002 TE<sub>180</sub>, 3, 1, 0; 2002 TM<sub>180</sub>, 8, 2, 34; 2002 TN<sub>180</sub>, 5, 1, 0; 2002 TO<sub>180</sub>, 8, 2, 5; 2002 TC<sub>181</sub>, 26, 6, 138; 2002 TJ<sub>181</sub>, 5, 1, 0; 2002 TK<sub>181</sub>, 3, 1, 0; 2002 TL<sub>181</sub>, 4, 1, 0; 2002 TP<sub>181</sub>, 5, 1, 0; 2002 TV<sub>181</sub>, 4, 1, 0; 2002 TX<sub>181</sub>, 8, 2, 882; 2002 TV<sub>182</sub>, 5, 1, 0; 2002 TX<sub>182</sub>, 5, 1, 0; 2002 TY<sub>182</sub>, 7, 2, 26; 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2002 TZ<sub>258</sub>, 3, 1, 0; 2002 TG<sub>259</sub>, 4, 1, 0; 2002 TV<sub>259</sub>, 7, 2, 34; 2002 TW<sub>259</sub>, 4, 1, 0; 2002 TJ<sub>260</sub>, 5, 1, 0; 2002 TK<sub>260</sub>, 4, 1, 0; 2002 TZ<sub>260</sub>, 16, 4, 1033; 2002 TU<sub>261</sub>, 5, 1, 0; 2002 TB<sub>262</sub>, 4, 1, 0; 2002 TQ<sub>262</sub>, 3, 1, 0; 2002 TX<sub>262</sub>, 8, 2, 30; 2002 TS<sub>263</sub>, 3, 1, 0; 2002 TU<sub>263</sub>, 4, 1, 0; 2002 TV<sub>263</sub>, 5, 1, 0; 2002 TX<sub>263</sub>, 9, 2, 1033; 2002 TB<sub>264</sub>, 3, 1, 0; 2002 TT<sub>264</sub>, 3, 1, 0; 2002 TQ<sub>265</sub>, 5, 1, 0; 2002 TG<sub>266</sub>, 4, 1, 0; 2002 TJ<sub>266</sub>, 7, 2, 28; 2002 TM<sub>266</sub>, 7, 2, 28; 2002 TU<sub>266</sub>, 3, 1, 0; 2002 TB<sub>267</sub>, 4, 1, 0; 2002 TH<sub>267</sub>, 6, 2, 7; 2002 TJ<sub>267</sub>, 19, 4, 42; 2002 TM<sub>267</sub>, 10, 2, 28; 2002 TT<sub>267</sub>, 5, 1, 0; 2002 TU<sub>267</sub>, 4, 1, 0; 2002 TV<sub>267</sub>, 3, 1, 0; 2002 TE<sub>268</sub>, 5, 1, 0; 2002 TJ<sub>268</sub>, 8, 2, 977; 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4, 1, 0; 2002 UQ<sub>45</sub>, 18, 5, 1065; 2002 UV<sub>45</sub>, 7, 2, 18; 2002 US<sub>46</sub>, 11, 3, 26; 2002 UT<sub>46</sub>, 4, 1, 0; 2002 UX<sub>46</sub>, 4, 1, 0; 2002 UW<sub>47</sub>, 8, 2, 887; 2002 UB<sub>48</sub>, 4, 1, 0; 2002 UM<sub>48</sub>, 3, 1, 0; 2002 UN<sub>48</sub>, 11, 3, 1092; 2002 UZ<sub>48</sub>, 12, 3, 59; 2002 UA<sub>49</sub>, 3, 1, 0; 2002 UG<sub>49</sub>, 9, 2, 30; 2002 UK<sub>49</sub>, 12, 3, 1036; 2002 UN<sub>49</sub>, 28, 7, 148; 2002 UO<sub>49</sub>, 18, 4, 72; 2002 UB<sub>50</sub>, 8, 2, 33; 2002 UD<sub>53</sub>, 4, 1, 0; 2002 UE<sub>54</sub>, 3, 1, 0; 2002 UK<sub>56</sub>, 4, 1, 0; 2002 UZ<sub>58</sub>, 5, 1, 0; 2002 UO<sub>59</sub>, 5, 1, 0; 2002 UF<sub>60</sub>, 3, 1, 0; 2002 UO<sub>60</sub>, 5, 1, 0; 2002 UK<sub>61</sub>, 13, 3, 115; 2002 UK<sub>65</sub>, 4, 1, 0; 2002 VC<sub>3</sub>, 1, 0; 2002 VG<sub>2</sub>, 5, 1, 0; 2002 VN<sub>2</sub>, 4, 1, 0; 2002 VP<sub>3</sub>, 3, 1, 0; 2002 VD<sub>4</sub>, 3, 1, 0; 2002 VC<sub>6</sub>, 20, 5, 167; 2002 VD<sub>6</sub>, 14, 3, 52; 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5, 1, 0; 2002 VZ<sub>98</sub>, 25, 6, 60; 2002 VH<sub>99</sub>, 4, 1, 0; 2002 VD<sub>100</sub>, 14, 4, 152; 2002 VN<sub>100</sub>, 5, 1, 0; 2002 VK<sub>101</sub>, 3, 1, 0; 2002 VO<sub>101</sub>, 9, 2, 35; 2002 VT<sub>101</sub>, 3, 1, 0; 2002 VS<sub>102</sub>, 15, 3, 35; 2002 VA<sub>103</sub>, 3, 1, 0; 2002 VD<sub>103</sub>, 3, 1, 0; 2002 VF<sub>103</sub>, 4, 1, 0; 2002 VG<sub>103</sub>, 4, 1, 0; 2002 VO<sub>103</sub>, 8, 2, 37; 2002 VT<sub>103</sub>, 8, 2, 30; 2002 VX<sub>103</sub>, 3, 1, 0; 2002 VD<sub>105</sub>, 3, 1, 0; 2002 VL<sub>105</sub>, 5, 1, 0; 2002 VM<sub>106</sub>, 3, 1, 0; 2002 VN<sub>107</sub>, 5, 1, 0; 2002 VQ<sub>107</sub>, 5, 1, 0; 2002 VT<sub>107</sub>, 4, 1, 0; 2002 VK<sub>108</sub>, 9, 2, 9; 2002 VM<sub>108</sub>, 12, 3, 34; 2002 VQ<sub>108</sub>, 11, 3, 1366; 2002 VT<sub>108</sub>, 8, 2, 8; 2002 VW<sub>108</sub>, 4, 1, 0; 2002 VE<sub>109</sub>, 5, 1, 0; 2002 VG<sub>109</sub>, 3, 1, 0; 2002 VN<sub>109</sub>, 3, 1, 0; 2002 VP<sub>109</sub>, 5, 1, 0; 2002 VQ<sub>109</sub>, 3, 1, 0; 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2002 VR<sub>134</sub>, 9, 2, 9; 2002 VY<sub>134</sub>, 14, 3, 25; 2002 VL<sub>135</sub>, 3, 1, 0; 2002 WB<sub>7</sub>, 2, 8; 2002 WC<sub>14</sub>, 3, 23; 2002 WR<sub>3</sub>, 1, 0; 2002 WV<sub>5</sub>, 5, 1, 0; 2002 WA<sub>1</sub>, 4, 1, 0; 2002 WA<sub>3</sub>, 3, 1, 0; 2002 WD<sub>3</sub>, 5, 1, 0; 2002 WE<sub>3</sub>, 3, 1, 0; 2002 WG<sub>3</sub>, 3, 1, 0; 2002 WH<sub>3</sub>, 4, 1, 0; 2002 WO<sub>3</sub>, 3, 1, 0; 2002 WR<sub>4</sub>, 5, 1, 0; 2002 WQ<sub>5</sub>, 9, 2, 21; 2002 WZ<sub>5</sub>, 5, 1, 0; 2002 WB<sub>6</sub>, 12, 3, 59; 2002 WC<sub>6</sub>, 5, 1, 0; 2002 WD<sub>6</sub>, 19, 4, 51; 2002 WV<sub>6</sub>, 4, 1, 0; 2002 WS<sub>7</sub>, 5, 1, 0; 2002 WT<sub>7</sub>, 4, 1, 0; 2002 WT<sub>8</sub>, 5, 1, 0; 2002 WA<sub>9</sub>, 18, 4, 92; 2002 WD<sub>9</sub>, 8, 2, 73; 2002 WN<sub>9</sub>, 5, 1, 0; 2002 WT<sub>9</sub>, 4, 1, 0; 2002 WZ<sub>10</sub>, 7, 2, 26; 2002 WH<sub>11</sub>, 5, 1, 0; 2002 WK<sub>11</sub>, 4, 1, 0; 2002 WR<sub>11</sub>, 4, 1, 0; 2002 WX<sub>11</sub>, 14, 3, 432; 2002 WF<sub>12</sub>, 8, 2, 940; 2002 WJ<sub>12</sub>, 4, 1, 0; 2002 WO<sub>12</sub>, 5, 1, 0; 2002 WP<sub>12</sub>, 7, 2, 64; 2002 WR<sub>12</sub>, 4, 1, 0; 2002 WV<sub>12</sub>, 3, 1, 0; 2002 WG<sub>13</sub>, 5, 1, 0; 2002 WB<sub>15</sub>, 4, 1, 0; 2002 WC<sub>15</sub>, 4, 1, 0; 2002 WJ<sub>15</sub>, 3, 1, 0; 2002 WP<sub>15</sub>, 4, 1, 0; 2002 WZ<sub>15</sub>, 4, 1, 0; 2002 WD<sub>16</sub>, 5, 1, 0; 2002 WQ<sub>16</sub>, 5, 1, 0; 2002 WW<sub>16</sub>, 4, 1, 0; 2002 WX<sub>16</sub>, 9, 2, 5; 2002 WB<sub>17</sub>, 6, 2, 54; 2002 WQ<sub>17</sub>, 4, 1, 0; 2002 WR<sub>17</sub>, 3, 1, 0; 2002 WS<sub>17</sub>, 3, 1, 0; 2002 WE<sub>18</sub>, 8, 2, 64; 2002 WF<sub>18</sub>, 4, 1, 0; 2002 WJ<sub>18</sub>, 8, 2, 12; 2002 WL<sub>18</sub>, 4, 1, 0; 2002 WR<sub>18</sub>, 5, 1, 0; 2002 WM<sub>20</sub>, 3, 1, 0; 2002 XH<sub>8</sub>, 2, 22; 2002 XK<sub>4</sub>, 1, 0; 2002 XL<sub>6</sub>, 2, 7; 2002 XN<sub>3</sub>, 3, 1, 0; 2002 XP<sub>4</sub>, 1, 0; 2002 XX<sub>7</sub>, 2, 8; 2002 XE<sub>1</sub>, 4, 1, 0; 2002 XH<sub>1</sub>, 4, 1, 0; 2002 XJ<sub>1</sub>, 4, 1, 0; 2002 XQ<sub>1</sub>, 3, 1, 0; 2002 XR<sub>1</sub>, 3, 1, 0; 2002 XY<sub>1</sub>, 4, 1, 0; 2002 XG<sub>2</sub>, 3, 1, 0; 2002 XH<sub>2</sub>, 5, 1, 0; 2002 XK<sub>2</sub>, 5, 1, 0; 2002 XA<sub>3</sub>, 3, 1, 0; 2002 XQ<sub>3</sub>, 13, 3, 34; 2002 XR<sub>3</sub>, 8, 2, 25; 2002 XS<sub>3</sub>, 3, 1, 0; 2002 XT<sub>3</sub>, 3, 1, 0; 2002 XW<sub>3</sub>, 6, 2, 9; 2002 XA<sub>4</sub>, 10, 2, 9; 2002 XJ<sub>4</sub>, 9, 2, 23; 2002 XA<sub>5</sub>, 4, 1, 0; 2002 XK<sub>5</sub>, 8, 2, 9; 2002 XV<sub>5</sub>, 4, 1, 0; 2002 XW<sub>5</sub>, 4, 1, 0; 2002 XL<sub>6</sub>, 7, 2, 34; 2002 XO<sub>6</sub>, 5, 1, 0; 2002 XR<sub>6</sub>, 16, 4, 1045; 2002 XB<sub>7</sub>, 4, 1, 0; 2002 XG<sub>7</sub>, 4, 1, 0; 2002 XL<sub>7</sub>, 9, 2, 7; 2002 XM<sub>7</sub>, 3, 1, 0; 2002 XN<sub>7</sub>, 11, 3, 92; 2002 XO<sub>7</sub>, 4, 1, 0; 2002 XS<sub>7</sub>, 21, 5, 63; 2002 XX<sub>7</sub>, 2, 8; 2002 XA<sub>8</sub>, 7, 1, 0; 2002 XK<sub>8</sub>, 4, 1, 0; 2002 XM<sub>8</sub>, 9, 2, 35; 2002 XQ<sub>8</sub>, 4, 1, 0; 2002 XS<sub>8</sub>, 3, 1, 0; 2002 XW<sub>8</sub>, 4, 1, 0; 2002 XZ<sub>8</sub>, 3, 1, 0; 2002 XF<sub>9</sub>, 4, 1, 0; 2002 XG<sub>9</sub>, 5, 1, 0; 2002 XT<sub>9</sub>, 3, 1, 0; 2002 XX<sub>9</sub>, 4, 1, 0; 2002 XA<sub>10</sub>, 9, 2, 941; 2002 XC<sub>10</sub>, 3, 1, 0; 2002 XH<sub>10</sub>, 3, 1, 0; 2002 XN<sub>10</sub>, 13, 2, 5; 2002 XA<sub>11</sub>, 11, 3, 35; 2002 XJ<sub>11</sub>, 5, 1, 0; 2002 XO<sub>11</sub>, 3, 1, 0; 2002 XT<sub>11</sub>, 9, 2, 26; 2002 XA<sub>12</sub>, 9, 2, 66; 2002 XB<sub>12</sub>, 6, 2, 8; 2002 XC<sub>12</sub>, 10, 3, 61; 2002 XE<sub>12</sub>, 4, 1, 0; 2002 XG<sub>12</sub>, 4, 1, 0; 2002 XJ<sub>12</sub>, 3, 1, 0; 2002 XH<sub>13</sub>, 3, 1, 0; 2002 XP<sub>13</sub>, 3, 1, 0; 2002 XB<sub>14</sub>, 3, 1, 0; 2002 XL<sub>14</sub>, 7, 2, 1659; 2002 XR<sub>14</sub>, 4, 1, 0; 2002 XY<sub>14</sub>, 3, 1, 0; 2002 XA<sub>15</sub>, 3, 1, 0; 2002 XD<sub>15</sub>, 13, 3, 1393; 2002 XE<sub>15</sub>, 24, 6, 1544; 2002 XG<sub>15</sub>, 8, 2, 32; 2002 XR<sub>15</sub>, 3, 1, 0; 2002 XZ<sub>15</sub>, 13, 3, 15; 2002 XA<sub>16</sub>, 15, 4, 1008; 2002 XM<sub>16</sub>, 18, 4, 40; 2002 XK<sub>17</sub>, 9, 2, 8; 2002 XM<sub>17</sub>, 5, 1, 0; 2002 XN<sub>17</sub>, 12, 3, 84; 2002 XG<sub>18</sub>, 4, 1, 0; 2002 XP<sub>18</sub>, 16, 4, 42; 2002 XZ<sub>18</sub>, 7, 2, 18; 2002 XA<sub>19</sub>, 4, 1, 0; 2002 XD<sub>19</sub>, 9, 2, 9; 2002 XJ<sub>19</sub>, 12, 3, 40; 2002 XM<sub>19</sub>, 7, 2, 7; 2002 XR<sub>19</sub>, 4, 1, 0; 2002 XU<sub>19</sub>, 8, 2, 2; 2002 XV<sub>19</sub>, 4, 1, 0; 2002 XG<sub>20</sub>, 3, 1, 0; 2002 XH<sub>20</sub>, 4, 1, 0; 2002 XT<sub>20</sub>, 8, 2, 1542; 2002 XX<sub>20</sub>, 4, 1, 0; 2002 XG<sub>21</sub>, 5, 1, 0; 2002 XQ<sub>21</sub>, 4, 1, 0; 2002 XU<sub>21</sub>, 3, 1, 0; 2002 XA<sub>22</sub>, 4, 1, 0; 2002 XR<sub>22</sub>, 23, 6, 911; 2002 XY<sub>22</sub>, 4, 1, 0; 2002 XL<sub>23</sub>, 5, 1, 0; 2002 XN<sub>23</sub>, 4, 1, 0; 2002 XJ<sub>24</sub>, 3, 1, 0; 2002 XL<sub>24</sub>, 3, 1, 0; 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2002 XQ<sub>31</sub>, 3, 1, 0; 2002 XZ<sub>31</sub>, 5, 1, 0; 2002 XD<sub>32</sub>, 5, 1, 0; 2002 XE<sub>32</sub>, 4, 1, 0; 2002 XK<sub>33</sub>, 8, 2, 40; 2002 XL<sub>33</sub>, 9, 2, 1384; 2002 XQ<sub>33</sub>, 10, 2, 9; 2002 XR<sub>33</sub>, 8, 2, 9; 2002 XY<sub>33</sub>, 4, 1, 0; 2002 XZ<sub>33</sub>, 5, 1, 0; 2002 XA<sub>34</sub>, 6, 2, 35; 2002 XH<sub>34</sub>, 12, 2, 7; 2002 XM<sub>34</sub>, 5, 1, 0; 2002 XV<sub>34</sub>, 5, 1, 0; 2002 XZ<sub>34</sub>, 7, 2, 9; 2002 XB<sub>35</sub>, 3, 1, 0; 2002 XJ<sub>35</sub>, 10, 2, 8; 2002 XS<sub>35</sub>, 4, 1, 0; 2002 XA<sub>36</sub>, 12, 3, 428; 2002 XB<sub>36</sub>, 3, 1, 0; 2002 XR<sub>36</sub>, 10, 3, 1366; 2002 XW<sub>36</sub>, 12, 3, 919; 2002 XX<sub>36</sub>, 31, 7, 146; 2002 XZ<sub>36</sub>, 3, 1, 0; 2002 XE<sub>37</sub>, 8,

2, 1401; 2002 XL<sub>37</sub>, 8, 2, 1455; 2002 XO<sub>37</sub>, 5, 1, 0; 2002 XW<sub>37</sub>, 4, 1, 0; 2002 XG<sub>38</sub>, 8, 2, 17; 2002 XV<sub>39</sub>, 3, 1, 0; 2002 XK<sub>40</sub>, 9, 2, 31; 2002 XV<sub>40</sub>, 12, 3, 56; 2002 XY<sub>40</sub>, 5, 1, 0; 2002 XE<sub>41</sub>, 8, 2, 8; 2002 XH<sub>41</sub>, 3, 1, 0; 2002 XM<sub>41</sub>, 3, 1, 0; 2002 XU<sub>41</sub>, 5, 1, 0; 2002 XV<sub>41</sub>, 3, 1, 0; 2002 XH<sub>42</sub>, 4, 1, 0; 2002 XN<sub>42</sub>, 13, 3, 122; 2002 XY<sub>42</sub>, 3, 1, 0; 2002 XD<sub>43</sub>, 9, 2, 901; 2002 XK<sub>43</sub>, 5, 1, 0; 2002 XU<sub>43</sub>, 4, 1, 0; 2002 XW<sub>43</sub>, 4, 1, 0; 2002 XD<sub>44</sub>, 4, 1, 0; 2002 XO<sub>44</sub>, 21, 5, 91; 2002 XS<sub>44</sub>, 12, 3, 51; 2002 XU<sub>44</sub>, 4, 1, 0; 2002 XF<sub>45</sub>, 7, 2, 31; 2002 XS<sub>45</sub>, 4, 1, 0; 2002 XU<sub>45</sub>, 9, 2, 56; 2002 XV<sub>45</sub>, 5, 1, 0; 2002 XW<sub>45</sub>, 3, 1, 0; 2002 XC<sub>46</sub>, 5, 1, 0; 2002 XE<sub>46</sub>, 8, 2, 24; 2002 XG<sub>46</sub>, 22, 5, 58; 2002 XJ<sub>46</sub>, 3, 1, 0; 2002 XO<sub>46</sub>, 23, 5, 1525; 2002 XP<sub>46</sub>, 11, 3, 970; 2002 XV<sub>46</sub>, 8, 2, 1065; 2002 XA<sub>47</sub>, 3, 1, 0; 2002 XG<sub>47</sub>, 7, 2, 505; 2002 XH<sub>47</sub>, 14, 3, 1311; 2002 XV<sub>47</sub>, 15, 3, 54; 2002 XY<sub>47</sub>, 4, 1, 0; 2002 XC<sub>48</sub>, 8, 2, 8; 2002 XF<sub>48</sub>, 4, 1, 0; 2002 XG<sub>48</sub>, 4, 1, 0; 2002 XA<sub>49</sub>, 5, 1, 0; 2002 XD<sub>49</sub>, 11, 3, 23; 2002 XF<sub>49</sub>, 4, 1, 0; 2002 XR<sub>49</sub>, 3, 1, 0; 2002 XX<sub>49</sub>, 4, 1, 0; 2002 XC<sub>50</sub>, 8, 2, 37; 2002 XE<sub>50</sub>, 5, 1, 0; 2002 XP<sub>50</sub>, 8, 2, 49; 2002 XV<sub>50</sub>, 4, 1, 0; 2002 XY<sub>50</sub>, 4, 1, 0; 2002 XZ<sub>50</sub>, 4, 1, 0; 2002 XU<sub>51</sub>, 23, 6, 973; 2002 XX<sub>51</sub>, 6, 2, 1464; 2002 XY<sub>51</sub>, 9, 2, 14; 2002 XG<sub>52</sub>, 4, 1, 0; 2002 XK<sub>52</sub>, 4, 1, 0; 2002 XQ<sub>52</sub>, 21, 5, 1898; 2002 XZ<sub>52</sub>, 5, 1, 0; 2002 XB<sub>53</sub>, 3, 1, 0; 2002 XD<sub>53</sub>, 3, 1, 0; 2002 XH<sub>53</sub>, 9, 2, 8; 2002 XJ<sub>53</sub>, 4, 1, 0; 2002 XQ<sub>53</sub>, 4, 1, 0; 2002 XR<sub>53</sub>, 3, 1, 0; 2002 XV<sub>53</sub>, 4, 1, 0; 2002 XC<sub>53</sub>, 9, 2, 7; 2002 XZ<sub>54</sub>, 14, 3, 48; 2002 XH<sub>54</sub>, 10, 2, 7; 2002 XJ<sub>54</sub>, 9, 3, 516; 2002 XL<sub>54</sub>, 12, 3, 58; 2002 XO<sub>54</sub>, 8, 2, 7; 2002 XY<sub>54</sub>, 3, 1, 0; 2002 XD<sub>55</sub>, 5, 1, 0; 2002 XK<sub>55</sub>, 4, 1, 0; 2002 XV<sub>55</sub>, 4, 1, 0; 2002 XA<sub>56</sub>, 5, 1, 0; 2002 XF<sub>56</sub>, 4, 1, 0; 2002 XG<sub>56</sub>, 13, 3, 41; 2002 XN<sub>56</sub>, 5, 1, 0; 2002 XP<sub>56</sub>, 25, 6, 1383; 2002 XC<sub>57</sub>, 5, 1, 0; 2002 XA<sub>58</sub>, 3, 1, 0; 2002 XC<sub>58</sub>, 4, 1, 0; 2002 XD<sub>58</sub>, 13, 3, 82; 2002 XJ<sub>58</sub>, 3, 1, 0; 2002 XN<sub>58</sub>, 5, 1, 0; 2002 XO<sub>58</sub>, 3, 1, 0; 2002 XP<sub>58</sub>, 4, 1, 0; 2002 XW<sub>58</sub>, 3, 1, 0; 2002 XF<sub>59</sub>, 5, 1, 0; 2002 XN<sub>59</sub>, 14, 3, 221; 2002 XP<sub>59</sub>, 7, 2, 1449; 2002 XA<sub>60</sub>, 5, 1, 0; 2002 XE<sub>60</sub>, 4, 1, 0; 2002 XF<sub>60</sub>, 3, 1, 0; 2002 XG<sub>60</sub>, 3, 1, 0; 2002 XH<sub>60</sub>, 8, 2, 420; 2002 XK<sub>60</sub>, 4, 1, 0; 2002 XN<sub>60</sub>, 7, 2, 1004; 2002 XO<sub>60</sub>, 9, 2, 8; 2002 XW<sub>60</sub>, 5, 1, 0; 2002 XY<sub>60</sub>, 4, 1, 0; 2002 XG<sub>61</sub>, 3, 1, 0; 2002 XL<sub>61</sub>, 5, 1, 0; 2002 XV<sub>61</sub>, 3, 1, 0; 2002 XC<sub>62</sub>, 5, 1, 0; 2002 XF<sub>62</sub>, 3, 1, 0; 2002 XG<sub>62</sub>, 3, 1, 0; 2002 XK<sub>62</sub>, 3, 1, 0; 2002 XL<sub>62</sub>, 3, 1, 0; 2002 XG<sub>62</sub>, 10, 2, 5; 2002 XP<sub>62</sub>, 15, 4, 59; 2002 XS<sub>62</sub>, 3, 1, 0; 2002 XW<sub>62</sub>, 3, 1, 0; 2002 XH<sub>63</sub>, 9, 2, 9; 2002 XE<sub>63</sub>, 18, 4, 960; 2002 XG<sub>63</sub>, 10, 2, 1548; 2002 XH<sub>63</sub>, 9, 2, 484; 2002 XM<sub>63</sub>, 4, 1, 0; 2002 XQ<sub>63</sub>, 7, 2, 9; 2002 XS<sub>63</sub>, 4, 1, 0; 2002 XX<sub>64</sub>, 4, 1, 0; 2002 XR<sub>65</sub>, 3, 1, 0; 2002 XW<sub>65</sub>, 16, 4, 1385; 2002 XX<sub>65</sub>, 3, 1, 0; 2002 XZ<sub>65</sub>, 8, 2, 1028; 2002 XC<sub>66</sub>, 9, 2, 18; 2002 XD<sub>66</sub>, 4, 1, 0; 2002 XM<sub>66</sub>, 3, 1, 0; 2002 XO<sub>66</sub>, 4, 1, 0; 2002 XT<sub>66</sub>, 9, 2, 55; 2002 XV<sub>66</sub>, 9, 2, 33; 2002 XY<sub>67</sub>, 3, 1, 0; 2002 XA<sub>68</sub>, 3, 1, 0; 2002 XJ<sub>68</sub>, 19, 4, 1451; 2002 XM<sub>68</sub>, 16, 4, 971; 2002 XP<sub>68</sub>, 5, 1, 0; 2002 XQ<sub>68</sub>, 17, 4, 92; 2002 XR<sub>68</sub>, 4, 1, 0; 2002 XD<sub>69</sub>, 4, 1, 0; 2002 XS<sub>69</sub>, 3, 1, 0; 2002 XU<sub>69</sub>, 5, 1, 0; 2002 XD<sub>70</sub>, 3, 1, 0; 2002 XF<sub>70</sub>, 13, 4, 464; 2002 XQ<sub>70</sub>, 6, 2, 31; 2002 XR<sub>70</sub>, 13, 3, 1614; 2002 XY<sub>70</sub>, 9, 2, 30; 2002 XA<sub>71</sub>, 3, 1, 0; 2002 XC<sub>71</sub>, 8, 2, 8; 2002 XG<sub>71</sub>, 3, 1, 0; 2002 XJ<sub>71</sub>, 4, 1, 0; 2002 XM<sub>71</sub>, 4, 1, 0; 2002 XT<sub>71</sub>, 10, 2, 1551; 2002 XU<sub>71</sub>, 12, 3, 41; 2002 XX<sub>71</sub>, 9, 2, 6; 2002 XC<sub>72</sub>, 6, 2, 31; 2002 XO<sub>72</sub>, 6, 2, 1456; 2002 XV<sub>72</sub>, 6, 2, 8; 2002 XD<sub>73</sub>, 3, 1, 0; 2002 XE<sub>73</sub>, 4, 1, 0; 2002 XF<sub>73</sub>, 5, 1, 0; 2002 XH<sub>73</sub>, 15, 3, 29; 2002 XJ<sub>73</sub>, 3, 1, 0; 2002 XK<sub>73</sub>, 3, 1, 0; 2002 XN<sub>73</sub>, 8, 2, 8; 2002 XU<sub>73</sub>, 14, 3, 428; 2002 XV<sub>73</sub>, 4, 1, 0; 2002 XA<sub>74</sub>, 4, 1, 0; 2002 XE<sub>74</sub>, 5, 1, 0; 2002 XF<sub>74</sub>, 8, 2, 504; 2002 XH<sub>74</sub>, 6, 2, 920; 2002 XP<sub>74</sub>, 4, 1, 0; 2002 XQ<sub>74</sub>, 5, 1, 0; 2002 XY<sub>74</sub>, 4, 1, 0; 2002 XZ<sub>74</sub>, 4, 1, 0; 2002 XE<sub>75</sub>, 4, 1, 0; 2002 XU<sub>75</sub>, 10, 3, 34; 2002 XW<sub>75</sub>, 4, 1, 0; 2002 XO<sub>76</sub>, 9, 2, 504; 2002 XP<sub>76</sub>, 3, 1, 0; 2002 XV<sub>76</sub>, 4, 1, 0; 2002 XX<sub>76</sub>, 3, 1, 0; 2002 XZ<sub>76</sub>, 3, 1, 0; 2002 XA<sub>77</sub>, 4, 1, 0; 2002 XF<sub>77</sub>, 3, 1, 0; 2002 XV<sub>77</sub>, 4, 1, 0; 2002 XC<sub>78</sub>, 7, 2, 474; 2002 XE<sub>78</sub>, 13, 3, 51; 2002 XS<sub>78</sub>, 12, 3, 1483; 2002 XZ<sub>78</sub>, 13, 3, 1269; 2002 XB<sub>79</sub>, 4, 1, 0; 2002 XH<sub>79</sub>, 3, 1, 0; 2002 XO<sub>79</sub>, 4

2002 YD, 8, 2, 43; 2002 YJ, 4, 1, 0; 2002 YK, 8, 2, 8; 2002 YN, 3, 1, 0; 2002 YS, 8, 2, 8; 2002 YY, 3, 1, 0; 2002 YB<sub>1</sub>, 9, 2, 21; 2002 YC<sub>1</sub>, 7, 2, 559; 2002 YG<sub>1</sub>, 4, 1, 0; 2002 YH<sub>1</sub>, 4, 1, 0; 2002 YK<sub>1</sub>, 13, 3, 80; 2002 YL<sub>1</sub>, 3, 1, 0; 2002 YO<sub>1</sub>, 9, 2, 34; 2002 YP<sub>1</sub>, 3, 1, 0; 2002 YZ<sub>2</sub>, 8, 2, 20; 2002 YL<sub>3</sub>, 4, 1, 0; 2002 YO<sub>3</sub>, 4, 1, 0; 2002 YR<sub>3</sub>, 9, 2, 1390; 2002 YC<sub>4</sub>, 8, 2, 4; 2002 YS<sub>5</sub>, 4, 1, 0; 2002 YN<sub>6</sub>, 5, 1, 0; 2002 YO<sub>6</sub>, 3, 1, 0; 2002 YP<sub>6</sub>, 3, 1, 0; 2002 YR<sub>6</sub>, 3, 1, 0; 2002 YN<sub>7</sub>, 3, 1, 0; 2002 YO<sub>7</sub>, 5, 1, 0; 2002 YC<sub>8</sub>, 6, 2, 476; 2002 YE<sub>8</sub>, 7, 2, 504; 2002 YF<sub>8</sub>, 7, 2, 8; 2002 YG<sub>8</sub>, 4, 1, 0; 2002 YP<sub>8</sub>, 4, 1, 0; 2002 YA<sub>9</sub>, 13, 3, 1042; 2002 YT<sub>9</sub>, 5, 1, 0; 2002 YW<sub>9</sub>, 5, 1, 0; 2002 YZ<sub>9</sub>, 11, 3, 34; 2002 YD<sub>10</sub>, 17, 4, 915; 2002 YJ<sub>10</sub>, 5, 1, 0; 2002 YS<sub>10</sub>, 3, 1, 0; 2002 YX<sub>11</sub>, 23, 5, 10; 2002 YB<sub>12</sub>, 4, 1, 0; 2002 YF<sub>12</sub>, 3, 1, 0; 2002 YK<sub>12</sub>, 8, 2, 8; 2002 YX<sub>12</sub>, 3, 1, 0; 2002 YA<sub>13</sub>, 7, 2, 20; 2002 YL<sub>14</sub>, 4, 1, 0; 2002 YG<sub>15</sub>, 5, 1, 0; 2002 YH<sub>15</sub>, 3, 1, 0; 2002 YX<sub>15</sub>, 8, 2, 2; 2002 YZ<sub>15</sub>, 8, 2, 900; 2002 YA<sub>16</sub>, 12, 2, 26; 2002 YE<sub>16</sub>, 11, 3, 1457; 2002 YJ<sub>16</sub>, 9, 2, 7; 2002 YL<sub>16</sub>, 3, 1, 0; 2002 YP<sub>16</sub>, 4, 1, 0; 2002 YQ<sub>16</sub>, 8, 2, 34; 2002 YR<sub>16</sub>, 15, 3, 9; 2002 YT<sub>16</sub>, 11, 3, 34; 2002 YU<sub>16</sub>, 3, 1, 0; 2002 YV<sub>16</sub>, 17, 4, 1743; 2002 YW<sub>16</sub>, 3, 1, 0; 2002 YY<sub>16</sub>, 8, 2, 429; 2002 YC<sub>17</sub>, 5, 1, 0; 2002 YJ<sub>17</sub>, 4, 1, 0; 2002 YK<sub>17</sub>, 3, 1, 0; 2002 YL<sub>17</sub>, 4, 1, 0; 2002 YO<sub>17</sub>, 4, 1, 0; 2002 YP<sub>17</sub>, 4, 1, 0; 2002 YR<sub>17</sub>, 8, 2, 63; 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5, 1, 0; 2003 GZ<sub>49</sub>, 8, 2, 63; 2003 GC<sub>50</sub>, 7, 2, 56; 2003 GL<sub>50</sub>, 12, 3, 890; 2003 GQ<sub>50</sub>, 4, 1, 0; 2003 GS<sub>50</sub>, 5, 1, 0; 2003 GW<sub>50</sub>, 9, 2, 9; 2003 GY<sub>50</sub>, 8, 2, 1411; 2003 GJ<sub>52</sub>, 4, 1, 0; 2003 GW<sub>53</sub>, 3, 1, 0; 2003 GN<sub>54</sub>, 16, 4, 496; 2003 HL<sub>49</sub>, 9, 23; 2003 HL<sub>2</sub>, 4, 1, 0; 2003 HN<sub>2</sub>, 7, 6, 49; 2003 HO<sub>2</sub>, 18, 4, 15; 2003 HT<sub>2</sub>, 4, 1, 0; 2003 HP<sub>3</sub>, 3, 1, 0; 2003 HL<sub>8</sub>, 8, 2, 916; 2003 HY<sub>4</sub>, 4, 1, 0; 2003 HE<sub>5</sub>, 5, 1, 0; 2003 HZ<sub>5</sub>, 17, 3, 111; 2003 HA<sub>6</sub>, 4, 1, 0; 2003 HW<sub>6</sub>, 7, 2, 49; 2003 HE<sub>8</sub>, 5, 1, 0; 2003 HS<sub>8</sub>, 5, 1, 0; 2003 HV<sub>8</sub>, 4, 1, 0; 2003 HX<sub>8</sub>, 19, 5, 859; 2003 HA<sub>9</sub>, 3, 1, 0; 2003 HE<sub>9</sub>, 4, 1, 0; 2003 HK<sub>9</sub>, 3, 1, 0; 2003 HU<sub>9</sub>, 5, 1, 0; 2003 HZ<sub>10</sub>, 10, 2, 22; 2003 HN<sub>11</sub>, 5, 1, 0; 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34, 7, 1505; 2003 LT<sub>2</sub>, 4, 1, 0; 2003 LX<sub>2</sub>, 36, 8, 84; 2003 LY<sub>2</sub>, 24, 4, 51; 2003 LQ<sub>3</sub>, 24, 5, 69; 2003 LS<sub>3</sub>, 9, 2, 6; 2003 LT<sub>3</sub>, 15, 3, 50; 2003 LX<sub>3</sub>, 31, 7, 1502; 2003 LY<sub>3</sub>, 30, 7, 967; 2003 LD<sub>4</sub>, 13, 2, 60; 2003 LH<sub>4</sub>, 13, 3, 589; 2003 LL<sub>4</sub>, 8, 2, 5; 2003 LV<sub>4</sub>, 31, 7, 60; 2003 LC<sub>5</sub>, 32, 6, 1856; 2003 LJ<sub>5</sub>, 14, 3, 33; 2003 LU<sub>5</sub>, 4, 1, 0; 2003 LX<sub>5</sub>, 21, 5, 63; 2003 LY<sub>5</sub>, 9, 2, 26; 2003 LD<sub>6</sub>, 40, 8, 108; 2003 LL<sub>6</sub>, 18, 4, 82; 2003 LM<sub>6</sub>, 10, 2, 4; 2003 LN<sub>6</sub>, 25, 3, 2; 2003 LO<sub>6</sub>, 7, 2, 1; 2003 LP<sub>6</sub>, 5, 1, 0; 2003 LS<sub>6</sub>, 5, 1, 0; 2003 LV<sub>6</sub>, 8, 2, 30; 2003 LE<sub>9</sub>, 8, 2, 5; 2003 MA<sub>1</sub>, 15, 3, 2; 2003 MC<sub>1</sub>, 7, 2, 1; 2003 MD<sub>1</sub>, 29, 7, 80; 2003 ME<sub>1</sub>, 10, 2, 1; 2003 MG<sub>1</sub>, 5, 1, 0; 2003 MJ<sub>1</sub>, 17, 4, 32; 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2003 MD<sub>6</sub>, 10, 3, 5; 2003 ME<sub>6</sub>, 27, 6, 69; 2003 MF<sub>6</sub>, 21, 5, 38; 2003 MG<sub>6</sub>, 9, 2, 27; 2003 MH<sub>6</sub>, 19, 5, 495; 2003 MJ<sub>6</sub>, 6, 2, 28; 2003 MK<sub>6</sub>, 16, 4, 29; 2003 ML<sub>6</sub>, 29, 7, 65; 2003 MM<sub>6</sub>, 13, 3, 5; 2003 MN<sub>6</sub>, 4, 1, 0; 2003 MO<sub>6</sub>, 39, 9, 1748; 2003 MP<sub>6</sub>, 19, 5, 67; 2003 MQ<sub>6</sub>, 22, 5, 68; 2003 MR<sub>6</sub>, 31, 7, 2259; 2003 MS<sub>6</sub>, 17, 4, 68; 2003 MT<sub>6</sub>, 5, 1, 0; 2003 MU<sub>6</sub>, 12, 3, 33; 2003 MV<sub>6</sub>, 24, 6, 1332; 2003 MW<sub>6</sub>, 5, 1, 0; 2003 MX<sub>6</sub>, 5, 1, 0; 2003 MY<sub>6</sub>, 5, 1, 0; 2003 MZ<sub>6</sub>, 32, 6, 65; 2003 MA<sub>7</sub>, 20, 4, 4; 2003 MB<sub>7</sub>, 49, 9, 71; 2003 MC<sub>7</sub>, 10, 2, 30; 2003 MD<sub>7</sub>, 7, 2, 2; 2003 ME<sub>7</sub>, 13, 3, 2; 2003 MF<sub>7</sub>, 20, 5, 31; 2003 MG<sub>7</sub>, 3, 1, 0; 2003 MH<sub>7</sub>, 7, 2, 1; 2003 MJ<sub>7</sub>, 13, 2, 1; 2003 MK<sub>7</sub>, 13, 3, 3; 2003 ML<sub>7</sub>, 10, 2, 1; 2003 MT<sub>7</sub>, 10, 2, 1; 2003 MN<sub>7</sub>, 9, 2, 1; 2003 MO<sub>7</sub>, 4, 1, 0; 2003 MP<sub>7</sub>, 5, 1, 0; 2003 MQ<sub>7</sub>, 8, 2, 1; 2003 MR<sub>7</sub>, 7, 2, 1; 2003 MS<sub>7</sub>, 4, 1, 0; 2003 MT<sub>7</sub>, 4, 1, 0; 2003 MU<sub>7</sub>, 20, 5, 69; 2003 MV<sub>7</sub>, 15,

6; 2003 MS<sub>11</sub> \*, 34, 8, 1358; 2003 MT<sub>11</sub>, 33, 8, 1956; 2003 MU<sub>11</sub>, 22, 5, 62; 2003 MV<sub>11</sub>, 27, 6, 570; 2003 MW<sub>11</sub>, 5, 1, 0; 2003 MX<sub>11</sub> \*, 9, 2, 6; 2003 MY<sub>11</sub> \*, 4, 1, 0; 2003 MZ<sub>11</sub> \*, 10, 2, 6; 2003 MA<sub>12</sub> \*, 10, 2, 6; 2003 MB<sub>12</sub> \*, 8, 2, 6; 2003 MC<sub>12</sub> \*, 8, 2, 5; 2003 MD<sub>12</sub> \*, 9, 2, 6; 2003 ME<sub>12</sub> \*, 9, 2, 6; 2003 MF<sub>12</sub> \*, 8, 2, 6; 2003 MG<sub>12</sub> \*, 9, 2, 6; 2003 MH<sub>12</sub> \*, 8, 2, 5; 2003 MJ<sub>12</sub> \*, 8, 2, 5; 2003 MK<sub>12</sub> \*, 9, 2, 5; 2003 ML<sub>12</sub> \*, 16, 4, 64; 2003 MM<sub>12</sub> \*, 9, 2, 6; 2003 MN<sub>12</sub> \*, 8, 2, 5; 2003 MO<sub>12</sub> \*, 14, 3, 3; 2003 MP<sub>12</sub> \*, 4, 1, 0; 2003 MQ<sub>12</sub> \*, 4, 1, 0; 2003 MR<sub>12</sub> \*, 10, 2, 5; 2003 MS<sub>12</sub> \*, 9, 2, 5; 2003 MT<sub>12</sub> \*, 6, 2, 5; 2003 MU<sub>12</sub> \*, 8, 2, 5; 2003 MV<sub>12</sub> \*, 12, 3, 66; 2003 NB \*, 43, 9, 62; 2003 NC \*, 18, 3, 2; 2003 ND, 9, 2, 27; 2003 NE, 17, 4, 5; 2003 NF \*, 15, 4, 41; 2003 NG, 5, 1, 0; 2003 NH, 5, 1, 0; 2003 NK, 24, 6, 613; 2003 NL \*, 7, 2, 1; 2003 NM \*, 12, 3, 25; 2003 NN \*, 12, 3, 3; 2003 NO \*, 25, 5, 54; 2003 NP \*, 30, 7, 67; 2003 NQ, 6, 2, 7; 2003 NR, 20, 5, 86; 2003 NS, 8, 2, 5; 2003 NT, 17, 4, 53; 2003 NU, 23, 5, 567; 2003 NV, 21, 5, 61; 2003 NW \*, 3, 1, 0; 2003 NX \*, 25, 6, 34; 2003 NY \*, 16, 4, 3; 2003 NC<sub>1</sub>, 18, 4, 41; 2003 ND<sub>1</sub>, 8, 2, 7; 2003 NE<sub>1</sub>, 3, 1, 0; 2003 NF<sub>1</sub> \*, 4, 1, 0; 2003 NG<sub>1</sub>, 8, 2, 10; 2003 NH<sub>1</sub> \*, 8, 2, 34; 2003 NJ<sub>1</sub>, 4, 1, 0; 2003 NK<sub>1</sub> \*, 61, 14, 1531; 2003 NL<sub>1</sub> \*, 4, 1, 0; 2003 NM<sub>1</sub> \*, 17, 4, 54; 2003 NN<sub>1</sub> \*, 13, 3, 63; 2003 NO<sub>1</sub> \*, 10, 2, 31; 2003 NP<sub>1</sub> \*, 21, 5, 1499; 2003 NQ<sub>1</sub> \*, 14, 3, 30; 2003 NR<sub>1</sub> \*, 4, 1, 0; 2003 NS<sub>1</sub> \*, 17, 4, 51; 2003 NT<sub>1</sub> \*, 7, 2, 3; 2003 NU<sub>1</sub> \*, 4, 1, 0; 2003 NV<sub>1</sub>, 5, 1, 0; 2003 NW<sub>1</sub> \*, 9, 2, 1; 2003 NX<sub>1</sub>, 4, 1, 0; 2003 NY<sub>1</sub> \*, 5, 1, 0; 2003 NZ<sub>1</sub> \*, 3, 1, 0; 2003 NB<sub>2</sub> \*, 17, 4, 54; 2003 NC<sub>2</sub> \*, 14, 3, 31; 2003 ND<sub>2</sub> \*, 20, 5, 26; 2003 NE<sub>2</sub> \*, 21, 5, 51; 2003 NG<sub>2</sub> \*, 9, 2, 21; 2003 NH<sub>2</sub>, 7, 2, 21; 2003 NJ<sub>2</sub>, 5, 1, 0; 2003 NK<sub>2</sub>, 4, 1, 0; 2003 NL<sub>2</sub>, 4, 1, 0; 2003 NM<sub>2</sub> \*, 3, 1, 0; 2003 NT<sub>2</sub> \*, 13, 3, 5; 2003 NU<sub>2</sub> \*, 9, 2, 24; 2003 NW<sub>2</sub>, 5, 1, 0; 2003 NX<sub>2</sub> \*, 9, 2, 3; 2003 NY<sub>2</sub> \*, 17, 3, 21; 2003 NZ<sub>2</sub> \*, 14, 3, 1887; 2003 NA<sub>3</sub> \*, 4, 1, 0; 2003 NB<sub>3</sub> \*, 7, 2, 3; 2003 NC<sub>3</sub> \*, 28, 6, 62; 2003 NG<sub>3</sub> \*, 8, 2, 26; 2003 NH<sub>3</sub>, 19, 3, 46; 2003 NJ<sub>3</sub>, 9, 2, 47; 2003 NK<sub>3</sub> \*, 8, 2, 19; 2003 NL<sub>3</sub>, 32, 7, 1674; 2003 NM<sub>3</sub> \*, 30, 5, 6; 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2003 OG<sub>1</sub>, 17, 4, 37; 2003 OH<sub>1</sub>, 9, 2, 13; 2003 OJ<sub>1</sub>, 23, 5, 1511; 2003 OK<sub>1</sub>, 9, 2, 37; 2003 OL<sub>1</sub>, 5, 1, 0; 2003 OM<sub>1</sub>, 4, 1, 0; 2003 ON<sub>1</sub>, 9, 2, 21; 2003 OO<sub>1</sub>, 8, 2, 13; 2003 OP<sub>1</sub>, 4, 1, 0; 2003 OQ<sub>1</sub>, 5, 1, 0; 2003 OR<sub>1</sub>, 4, 1, 0; 2003 OS<sub>1</sub>, 5, 1, 0; 2003 OT<sub>1</sub>, 9, 2, 12; 2003 OU<sub>1</sub>, 11, 3, 33; 2003 OV<sub>1</sub>, 8, 2, 12; 2003 OW<sub>1</sub>, 4, 1, 0; 2003 OX<sub>1</sub>, 9, 2, 21; 2003 OY<sub>1</sub>, 5, 1, 0; 2003 OZ<sub>1</sub>, 5, 1, 0; 2003 OA<sub>2</sub>, 4, 1, 0; 2003 OB<sub>2</sub>, 8, 2, 12; 2003 OC<sub>2</sub>, 4, 1, 0; 2003 OD<sub>2</sub>, 4, 1, 0; 2003 OE<sub>2</sub>, 4, 1, 0; 2003 OF<sub>2</sub>, 7, 2, 12; 2003 OG<sub>2</sub>, 7, 2, 12; 2003 OH<sub>2</sub>, 6, 2, 31; 2003 OJ<sub>2</sub>, 8, 2, 31; 2003 OK<sub>2</sub>, 4, 1, 0; 2003 OL<sub>2</sub>, 21, 5, 997; 2003 OM<sub>2</sub>, 4, 1, 0; 2003 ON<sub>2</sub>, 7, 2, 31; 2003 OO<sub>2</sub>, 3, 1, 0; 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2003 OM<sub>4</sub>, 16, 4, 540; 2003 ON<sub>4</sub>, 5, 1, 0; 2003 OQ<sub>4</sub>, 5, 1, 0; 2003 OP<sub>4</sub>, 15, 3, 34; 2003 OQ<sub>4</sub>, 5, 1, 0; 2003 OR<sub>4</sub>, 8, 2, 11; 2003 OS<sub>4</sub>, 5, 1, 0; 2003 OT<sub>4</sub>, 10, 2, 11; 2003 OU<sub>4</sub>, 27, 7, 566; 2003 OV<sub>4</sub>, 21, 5, 37; 2003 OW<sub>4</sub>, 11, 3, 31; 2003 OX<sub>4</sub>, 3, 1, 0; 2003 OY<sub>4</sub>, 29, 6, 974; 2003 OZ<sub>4</sub>, 27, 6, 37; 2003 OA<sub>5</sub>, 19, 5, 37; 2003 OB<sub>5</sub>, 24, 5, 37; 2003 OC<sub>5</sub>, 26, 6, 1422; 2003 OD<sub>5</sub>, 18, 4, 37; 2003 OE<sub>5</sub>, 23, 5, 37; 2003 OF<sub>5</sub>, 28, 6, 37; 2003 OG<sub>5</sub>, 23, 5, 54; 2003 OH<sub>5</sub>, 30, 7, 1031; 2003 OJ<sub>5</sub>, 23, 5, 37; 2003 OK<sub>5</sub>, 21, 5, 37; 2003 OL<sub>5</sub>, 23, 5, 37; 2003 OM<sub>5</sub>, 5, 1, 0; 2003 ON<sub>5</sub>, 13, 3, 31; 2003 OO<sub>5</sub> \*, 41, 8, 41; 2003 OP<sub>5</sub>, 14, 3, 34; 2003 OQ<sub>5</sub>, 15, 4, 947; 2003 OS<sub>5</sub>, 3, 1, 0; 2003 OT<sub>5</sub>, 4, 1, 0; 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2003 OU<sub>6</sub>, 5, 1, 0; 2003 OV<sub>6</sub>, 4, 1, 0; 2003 OW<sub>6</sub>, 4, 1, 0; 2003 OX<sub>6</sub>, 5, 1, 0; 2003 OY<sub>6</sub>, 9, 2, 25; 2003 OZ<sub>6</sub>, 5, 1, 0; 2003 OA<sub>7</sub>, 13, 3, 1065; 2003 OB<sub>7</sub>, 16, 4, 505; 2003 OC<sub>7</sub>, 19, 4, 30; 2003 OD<sub>7</sub>, 34, 8, 1094; 2003 OE<sub>7</sub>, 13, 3, 29; 2003 OF<sub>7</sub>, 17, 4, 30; 2003 OG<sub>7</sub>, 17, 4, 943; 2003 OH<sub>7</sub>, 4, 1, 0; 2003 OJ<sub>7</sub> \*, 9, 2, 1; 2003 OK<sub>7</sub> \*, 17, 5, 5; 2003 OL<sub>7</sub>, 5, 1, 0; 2003 OM<sub>7</sub>, 8, 2, 10; 2003 ON<sub>7</sub>, 9, 2, 25; 2003 OO<sub>7</sub> \*, 3, 1, 0; 2003 OP<sub>7</sub>, 13, 3, 1579; 2003 OQ<sub>7</sub>, 12, 3, 29; 2003 OR<sub>7</sub>, 5, 1, 0; 2003 OS<sub>7</sub>, 37, 9, 1331; 2003 OT<sub>7</sub>, 18, 4, 30; 2003 OU<sub>7</sub>, 9, 2, 10; 2003 OV<sub>7</sub>, 13, 3, 29; 2003 OX<sub>7</sub>, 8, 2, 33; 2003 OY<sub>7</sub>, 13, 3, 27; 2003 OZ<sub>7</sub> \*, 9, 2, 10; 2003 OA<sub>8</sub> \*, 14, 4, 5; 2003 OB<sub>8</sub>, 4, 1, 0; 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2003 OR<sub>15</sub>, 13, 3, 35; 2003 OS<sub>15</sub>, 5, 1, 0; 2003 OT<sub>15</sub>, 3, 1, 0; 2003 OU<sub>15</sub>, 27, 6, 1420; 2003 OY<sub>15</sub>, 3, 1, 0; 2003 OZ<sub>15</sub>, 14, 3, 9; 2003 OA<sub>16</sub>, 13, 3, 35; 2003 OB<sub>16</sub>, 5, 1, 0; 2003 OD<sub>16</sub>, 25, 4, 34; 2003 OF<sub>16</sub>, 4, 1, 0; 2003 OG<sub>16</sub> \*, 14, 3, 10; 2003 OH<sub>16</sub> \*, 10, 2, 5; 2003 OJ<sub>16</sub> \*, 7, 2, 5; 2003 OK<sub>16</sub>, 17, 4, 34; 2003 OL<sub>16</sub> \*, 21, 5, 28; 2003 OM<sub>16</sub>, 5, 1, 0; 2003 OO<sub>16</sub>, 4, 1, 0; 2003 OQ<sub>16</sub>, 17, 4, 31; 2003 OS<sub>16</sub> \*, 34, 8, 1503; 2003 OT<sub>16</sub> \*, 5, 1, 0; 2003 OU<sub>16</sub> \*, 18, 5, 66; 2003 OV<sub>16</sub>, 5, 1, 0; 2003 OW<sub>16</sub> \*, 12, 2, 1; 2003 OX<sub>16</sub> \*, 14, 3, 34; 2003 OY<sub>16</sub> \*, 12, 3, 5; 2003 OA<sub>17</sub>, 4, 1, 0; 2003 OB<sub>17</sub>, 27, 6, 1008; 2003 OD<sub>17</sub>, 9, 2, 21; 2003 OE<sub>17</sub>, 35, 9, 1423; 2003 OF<sub>17</sub>, 13, 3, 27; 2003 OH<sub>17</sub>, 9, 2, 21; 2003 OJ<sub>17</sub>, 4, 1, 0; 2003 OK<sub>17</sub>, 9, 2, 37; 2003 OV<sub>17</sub>, 5, 1, 0; 2003 OY<sub>17</sub>, 3, 1, 0; 2003 OB<sub>18</sub>, 5, 1, 0; 2003 OE<sub>18</sub>, 9, 2, 27; 2003 OF<sub>18</sub> \*, 9, 2, 29; 2003 OM<sub>18</sub> \*, 4, 1, 0; 2003 ON<sub>18</sub> \*, 9, 2, 11; 2003 OS<sub>18</sub> \*, 10, 2, 10; 2003 OP<sub>18</sub> \*, 17, 4, 37; 2003 OQ<sub>18</sub>, 13, 3, 10; 2003 OR<sub>18</sub>, 12, 5, 563; 2003 OS<sub>18</sub>, 5, 1, 0; 2003 OT<sub>18</sub>, 5, 1, 0; 2003 OU<sub>18</sub>, 4, 1, 0; 2003 OV<sub>18</sub>, 5, 1, 0; 2003 OW<sub>18</sub>, 22, 4, 1753; 2003 OX<sub>18</sub>, 17

2003 OH<sub>24</sub>, 3, 1, 0; 2003 OK<sub>24</sub>, 3, 1, 0; 2003 OL<sub>24</sub>, 5, 1, 0; 2003 OR<sub>24</sub>, 3, 1, 0; 2003 OU<sub>24</sub>, 9, 2, 11; 2003 OV<sub>24</sub>, 4, 1, 0; 2003 OW<sub>24</sub>, 9, 2, 11; 2003 OX<sub>24</sub>, 3, 1, 0; 2003 OA<sub>25</sub>, 3, 1, 0; 2003 OC<sub>25</sub>, 5, 1, 0; 2003 OL<sub>25</sub>, 3, 1, 0; 2003 ON<sub>25</sub>, 4, 1, 0; 2003 OO<sub>25</sub>, 4, 1, 0; 2003 OX<sub>25</sub>, 9, 2, 11; 2003 OY<sub>25</sub>, 21, 5, 1007; 2003 OC<sub>26</sub>, 3, 1, 0; 2003 OF<sub>26</sub>, 5, 1, 0; 2003 OG<sub>26</sub>, 17, 4, 1447; 2003 OH<sub>26</sub>, 3, 1, 0; 2003 OJ<sub>26</sub>, 13, 3, 31; 2003 OK<sub>26</sub>, 13, 3, 30; 2003 ON<sub>26</sub>, 4, 1, 0; 2003 OP<sub>26</sub>, 3, 1, 0; 2003 OR<sub>26</sub>, 3, 1, 0; 2003 OT<sub>26</sub>, 3, 1, 0; 2003 OV<sub>26</sub>, 3, 1, 0; 2003 OX<sub>26</sub>, 3, 1, 0; 2003 OY<sub>26</sub>, 7, 2, 10; 2003 OZ<sub>26</sub>, 5, 1, 0; 2003 OA<sub>27</sub>, 11, 3, 29; 2003 OB<sub>27</sub>, 4, 1, 0; 2003 OC<sub>27</sub>, 5, 1, 0; 2003 OD<sub>27</sub>, 7, 2, 10; 2003 OG<sub>27</sub>, 9, 2, 30; 2003 OH<sub>27</sub>, 4, 1, 0; 2003 OJ<sub>27</sub>, 4, 1, 0; 2003 OK<sub>27</sub>, 15, 3, 31; 2003 OL<sub>27</sub>, 5, 1, 0; 2003 OM<sub>27</sub>, 18, 4, 31; 2003 ON<sub>27</sub>, 26, 6, 1538; 2003 OO<sub>27</sub>, 13, 3, 31; 2003 OP<sub>27</sub>, 7, 2, 10; 2003 OQ<sub>27</sub>, 9, 2, 10; 2003 OR<sub>27</sub>, 16, 4, 37; 2003 OS<sub>27</sub>, 5, 1, 0; 2003 OT<sub>27</sub>, 4, 1, 0; 2003 OU<sub>27</sub>, 13, 3, 37; 2003 OV<sub>27</sub>, 16, 4, 37; 2003 OW<sub>27</sub>, 17, 4, 1538; 2003 OX<sub>27</sub>, 21, 5, 37; 2003 OY<sub>27</sub>, 17, 4, 37; 2003 OZ<sub>27</sub>, 3, 1, 0; 2003 OA<sub>28</sub>, 6, 2, 3; 2003 OB<sub>28</sub>, 25, 6, 28; 2003 OD<sub>28</sub>, 18, 4, 28; 2003 OE<sub>28</sub>, 22, 5, 38; 2003 OF<sub>28</sub>, 5, 1, 0; 2003 OH<sub>28</sub>, 5, 1, 0; 2003 OJ<sub>28</sub>, 5, 1, 0; 2003 OK<sub>28</sub>, 13, 4, 1357; 2003 OO<sub>28</sub>, 8, 2, 8; 2003 OP<sub>28</sub>, 4, 1, 0; 2003 OQ<sub>28</sub>, 8, 2, 8; 2003 OU<sub>28</sub>, 12, 3, 9; 2003 OV<sub>28</sub>, 8, 2, 10; 2003 OW<sub>28</sub>, 11, 3, 8; 2003 OX<sub>28</sub>, 3, 1, 0; 2003 OY<sub>28</sub>, 12, 3, 1454; 2003 OZ<sub>28</sub>, 10, 3, 477; 2003 OA<sub>29</sub>, 10, 2, 6; 2003 OD<sub>29</sub>, 7, 2, 925; 2003 OF<sub>29</sub>, 4, 1, 0; 2003 OH<sub>29</sub>, 3, 1, 0; 2003 OJ<sub>29</sub>, 7, 2, 3; 2003 OK<sub>29</sub>, 4, 1, 0; 2003 OL<sub>29</sub>, 29, 6, 1510; 2003 OM<sub>29</sub>, 5, 1, 0; 2003 OP<sub>29</sub>, 10, 2, 7; 2003 OQ<sub>29</sub>, 3, 1, 0; 2003 OR<sub>29</sub>, 13, 3, 10; 2003 OT<sub>29</sub>, 20, 5, 1419; 2003 OU<sub>29</sub>, 5, 1, 0; 2003 OV<sub>29</sub>, 7, 2, 21; 2003 OY<sub>29</sub>, 4, 1, 0; 2003 OA<sub>30</sub>, 17, 4, 10; 2003 OB<sub>30</sub>, 16, 4, 926; 2003 OC<sub>30</sub>, 10, 3, 9; 2003 OE<sub>30</sub>, 8, 2, 9; 2003 OM<sub>30</sub>, 5, 1, 0; 2003 ON<sub>30</sub>, 14, 3, 28; 2003 OO<sub>30</sub>, 4, 1, 0; 2003 OP<sub>30</sub>, 10, 2, 7; 2003 OR<sub>30</sub>, 10, 3, 8; 2003 OT<sub>30</sub>, 3, 1, 0; 2003 OU<sub>30</sub>, 12, 3, 9; 2003 OV<sub>30</sub>, 7, 2, 9; 2003 OW<sub>30</sub>, 5, 1, 0; 2003 OX<sub>30</sub>, 17, 4, 28; 2003 OY<sub>30</sub>, 32, 7, 65; 2003 OZ<sub>30</sub>, 47, 11, 1754; 2003 OA<sub>31</sub> \*, 23, 5, 63; 2003 OB<sub>31</sub> \*, 59, 13, 1897; 2003 OC<sub>31</sub> \*, 9, 2, 6; 2003 OD<sub>31</sub> \*, 30, 6, 507; 2003 OE<sub>31</sub> \*, 9, 2, 6; 2003 OF<sub>31</sub> \*, 25, 5, 34; 2003 OG<sub>31</sub> \*, 22, 5, 36; 2003 OH<sub>31</sub> \*, 10, 2, 6; 2003 OJ<sub>31</sub> \*, 21, 5, 34; 2003 OK<sub>31</sub> \*, 25, 6, 529; 2003 OL<sub>31</sub> \*, 10, 2, 6; 2003 OM<sub>31</sub> \*, 43, 10, 1513; 2003 ON<sub>31</sub> \*, 14, 3, 36; 2003 OO<sub>31</sub> \*, 22, 5, 36; 2003 OP<sub>31</sub> \*, 3, 1, 0; 2003 OQ<sub>31</sub>, 3, 1, 0; 2003 OU<sub>31</sub>, 5, 1, 0; 2003 OV<sub>31</sub>, 3, 1, 0; 2003 OW<sub>31</sub> \*, 11, 3, 38; 2003 OX<sub>31</sub> \*, 10, 2, 11; 2003 OY<sub>31</sub> \*, 10, 2, 11; 2003 OZ<sub>31</sub> \*, 6, 2, 11; 2003 OA<sub>32</sub> \*, 7, 2, 11; 2003 OB<sub>32</sub> \*, 22, 4, 37; 2003 OC<sub>32</sub>, 14, 4, 26; 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2003 PP<sub>5</sub> \*, 23, 5, 31; 2003 PQ<sub>5</sub> \*, 23, 5, 31; 2003 PR<sub>5</sub> \*, 17, 4, 31; 2003 PS<sub>5</sub> \*, 19, 4, 32; 2003 PT<sub>5</sub> \*, 26, 6, 31; 2003 PU<sub>5</sub> \*, 23, 5, 31; 2003 PV<sub>5</sub> \*, 24, 5, 31; 2003 PW<sub>5</sub> \*, 10, 2, 4; 2003 PX<sub>5</sub> \*, 8, 2, 4; 2003 PY<sub>5</sub> \*, 8, 2, 4; 2003 PZ<sub>5</sub> \*, 27, 6, 1008; 2003 PA<sub>6</sub> \*, 18, 4, 31; 2003 PB<sub>6</sub> \*, 20, 4, 31; 2003 PC<sub>6</sub> \*, 12, 3, 27; 2003 PD<sub>6</sub> \*, 20, 5, 31; 2003 PE<sub>6</sub> \*, 23, 5, 32; 2003 PF<sub>6</sub> \*, 29, 6, 567; 2003 PG<sub>6</sub> \*, 28, 6, 62; 2003 PH<sub>6</sub> \*, 21, 5, 32; 2003 PJ<sub>6</sub> \*, 21, 5, 32; 2003 PK<sub>6</sub> \*, 23, 5, 32; 2003 PL<sub>6</sub> \*, 28, 7, 1842; 2003 PM<sub>6</sub> \*, 21, 5, 32; 2003 PN<sub>6</sub> \*, 25, 5, 32; 2003 PO<sub>6</sub> \*, 31, 7, 528; 2003 PP<sub>6</sub> \*, 17, 4, 28; 2003 PQ<sub>6</sub> \*, 22, 5, 34; 2003 PR<sub>6</sub> \*, 22, 5, 32; 2003 PS<sub>6</sub> \*, 7, 2, 4; 2003 PT<sub>6</sub> \*, 24, 5, 31; 2003 PU<sub>6</sub> \*, 26, 6, 33; 2003 PV<sub>6</sub> \*, 18, 5, 33; 2003 PW<sub>6</sub> \*, 15, 4, 31; 2003 PX<sub>6</sub> \*, 6, 2, 4; 2003 PY<sub>6</sub> \*, 11, 3, 32; 2003 PZ<sub>6</sub>, 4, 1, 0; 2003 PA<sub>7</sub>, 5, 1, 0; 2003 PB<sub>7</sub>, 4, 1, 0; 2003 PC<sub>7</sub>, 5, 1, 0; 2003 PD<sub>7</sub>, 5, 1, 0; 2003 PE<sub>7</sub>, 5, 1, 0; 2003 PF<sub>7</sub>, 13, 3, 31; 2003 PG<sub>7</sub>, 3, 1, 0; 2003 PH<sub>7</sub>, 11, 3, 27; 2003 PJ<sub>7</sub>, 15, 3, 27; 2003 PK<sub>7</sub>, 4, 1, 0; 2003 PL<sub>7</sub>, 4, 1, 0; 2003 PM<sub>7</sub>, 22, 5, 27; 2003 PN<sub>7</sub>, 9, 2, 11; 2003 PO<sub>7</sub>, 5, 1, 0; 2003 PP<sub>7</sub>, 8, 2, 11; 2003 PQ<sub>7</sub>, 10, 2, 11; 2003 PR<sub>7</sub>, 3, 1, 0; 2003 PS<sub>7</sub>, 4, 1, 0; 2003 PT<sub>7</sub>, 13, 3, 31; 2003 PU<sub>7</sub>, 12, 3, 30; 2003 PV<sub>7</sub>,

14, 3, 38; 2003 PW<sub>7</sub>, 5, 1, 0; 2003 PX<sub>7</sub>, 4, 1, 0; 2003 PY<sub>7</sub>, 20, 5, 1484; 2003 PZ<sub>7</sub>, 15, 4, 1036; 2003 PA<sub>8</sub>, 4, 1, 0; 2003 PB<sub>8</sub>, 13, 3, 31; 2003 PC<sub>8</sub>, 18, 4, 27; 2003 PD<sub>8</sub>, 19, 4, 27; 2003 PE<sub>8</sub>, 16, 4, 28; 2003 PF<sub>8</sub>, 18, 4, 534; 2003 PG<sub>8</sub>, 15, 3, 28; 2003 PH<sub>8</sub>, 20, 4, 28; 2003 PJ<sub>8</sub>, 15, 3, 1511; 2003 PK<sub>8</sub>, 3, 1, 0; 2003 PL<sub>8</sub>, 26, 6, 1538; 2003 PM<sub>8</sub>, 13, 3, 20; 2003 PN<sub>8</sub>, 15, 3, 26; 2003 PO<sub>8</sub>, 8, 2, 19; 2003 PP<sub>8</sub> \*, 23, 5, 37; 2003 PQ<sub>8</sub> \*, 16, 4, 27; 2003 PR<sub>8</sub> \*, 14, 3, 11; 2003 PS<sub>8</sub> \*, 17, 4, 27; 2003 PT<sub>8</sub> \*, 24, 5, 37; 2003 PU<sub>8</sub> \*, 19, 4, 37; 2003 PV<sub>8</sub> \*, 19, 4, 31; 2003 PW<sub>8</sub> \*, 13, 3, 21; 2003 PX<sub>8</sub> \*, 12, 3, 21; 2003 PY<sub>8</sub> \*, 29, 6, 37; 2003 PZ<sub>8</sub> \*, 8, 2, 1; 2003 PA<sub>9</sub> \*, 19, 4, 27; 2003 PB<sub>9</sub> \*, 15, 4, 27; 2003 PC<sub>9</sub> \*, 8, 2, 1; 2003 PD<sub>9</sub> \*, 28, 6, 37; 2003 PE<sub>9</sub> \*, 28, 7, 954; 2003 PF<sub>9</sub> \*, 18, 4, 28; 2003 PG<sub>9</sub> \*, 59, 14, 2008; 2003 PH<sub>9</sub> \*, 8, 2, 1; 2003 PJ<sub>9</sub>, 12, 3, 1410; 2003 PK<sub>9</sub>, 18, 4, 27; 2003 PL<sub>9</sub>, 19, 5, 27; 2003 PM<sub>9</sub>, 16, 4, 27; 2003 PN<sub>9</sub>, 12, 3, 27; 2003 PO<sub>9</sub> \*, 38, 8, 1004; 2003 PP<sub>9</sub> \*, 13, 3, 7; 2003 PQ<sub>9</sub> \*, 33, 7, 31; 2003 PR<sub>9</sub> \*, 9, 2, 4; 2003 PS<sub>9</sub> \*, 9, 2, 4; 2003 PT<sub>9</sub> \*, 50, 9, 37; 2003 PU<sub>9</sub> \*, 9, 2, 1; 2003 PV<sub>9</sub> \*, 7, 2, 1; 2003 PW<sub>9</sub> \*, 9, 2, 1; 2003 PX<sub>9</sub> \*, 14, 3, 977; 2003 PZ<sub>9</sub>, 9, 2, 19; 2003 PA<sub>10</sub> \*, 4, 1, 0; 2003 PB<sub>10</sub> \*, 9, 2, 21; 2003 PC<sub>10</sub> \*, 4, 1, 0; 2003 PD<sub>10</sub> \*, 5, 1, 0; 2003 PE<sub>10</sub> \*, 3, 1, 0; 2003 PH<sub>10</sub>, 4, 1, 0; 2003 PY<sub>10</sub> \*, 4, 1, 0; 2003 PZ<sub>10</sub> \*, 4, 1, 0; 2003 PA<sub>11</sub>, 4, 1, 0; 2003 PB<sub>11</sub> \*, 14, 3, 30; 2003 PC<sub>11</sub> \*, 8, 2, 4; 2003 PD<sub>11</sub>, 17, 3, 37; 2003 PE<sub>11</sub>, 12, 3, 28; 2003 PG<sub>11</sub>, 20, 4, 29; 2003 PM<sub>11</sub> \*, 5, 1, 0; 2003 PN<sub>11</sub> \*, 20, 5, 567; 2003 PO<sub>11</sub>, 5, 1, 0; 2003 PP<sub>11</sub>, 4, 1, 0; 2003 PR<sub>11</sub>, 5, 1, 0; 2003 PS<sub>11</sub> \*, 8, 2, 6; 2003 PT<sub>11</sub> \*, 14, 4, 1448; 2003 PU<sub>11</sub> \*, 8, 2, 6; 2003 PV<sub>11</sub> \*, 18, 4, 1806; 2003 PW<sub>11</sub> \*, 8, 2, 6; 2003 PX<sub>11</sub> \*, 16, 4, 64; 2003 PY<sub>11</sub> \*, 27, 5, 65; 2003 PZ<sub>11</sub> \*, 4, 1, 0; 2003 PA<sub>12</sub> \*, 20, 5, 92; 2003 PE<sub>12</sub>, 5, 1, 0; 2003 PG<sub>12</sub> \*, 21, 5, 566; 2003 PH<sub>12</sub>, 19, 5, 5; 2003 QA<sub>12</sub>, 5, 1, 0; 2003 QB<sub>12</sub>, 9, 3, 500; 2003 QC<sub>12</sub>, 18, 4, 9; 2003 QD<sub>12</sub>, 3, 1, 0; 2003 QE<sub>12</sub>, 8, 2, 28; 2003 QH<sub>12</sub>, 8, 2, 10; 2003 QJ<sub>12</sub>, 4, 1, 0; 2003 QK<sub>12</sub>, 10, 3, 10; 2003 QL<sub>12</sub>, 9, 2, 7; 2003 QM<sub>12</sub>, 5, 1, 0; 2003 QN<sub>12</sub>, 3, 1, 0; 2003 QS<sub>12</sub>, 15, 4, 8; 2003 QV<sub>12</sub>, 31, 7, 1841; 2003 QX<sub>12</sub>, 3, 1, 0; 2003 QB<sub>1</sub>, 5, 1, 0; 2003 QF<sub>1</sub>, 13, 3, 32; 2003 QH<sub>1</sub>, 15, 3, 9; 2003 QJ<sub>1</sub>, 15, 3, 9; 2003 QK<sub>1</sub>, 13, 3, 9; 2003 QM<sub>1</sub>, 16, 4, 30; 2003 QN<sub>1</sub>, 14, 3, 9; 2003 QO<sub>1</sub>, 6, 2, 5; 2003 QR<sub>1</sub>, 18, 4, 29; 2003 QU<sub>1</sub>, 12, 3, 9; 2003 QW<sub>1</sub>, 8, 2, 8; 2003 QY<sub>1</sub>, 5, 1, 0; 2003 QZ<sub>1</sub>, 2, 8; 2003 QP<sub>2</sub> \*, 7, 2, 1; 2003 QQ<sub>2</sub> \*, 9, 2, 1; 2003 QH<sub>2</sub> \*, 10, 2, 1; 2003 QJ<sub>2</sub>, 17, 4, 28; 2003 QM<sub>2</sub>, 4, 1, 0; 2003 QO<sub>2</sub>, 4, 1, 0; 2003 QP<sub>2</sub>, 4, 1, 0; 2003 QT<sub>2</sub>, 9, 2, 9; 2003 QU<sub>2</sub>, 7, 2, 9; 2003 QV<sub>2</sub>, 4, 1, 0; 2003 QW<sub>2</sub>, 13, 3, 8; 2003 QY<sub>2</sub>, 19, 4, 27; 2003 QZ<sub>2</sub>, 4, 1, 0; 2003 QA<sub>3</sub>, 4, 1, 0; 2003 QD<sub>3</sub>, 17, 4, 10; 2003 QG<sub>3</sub>, 8, 2, 4; 2003 QH<sub>3</sub>, 11, 3, 10; 2003 QL<sub>3</sub>, 3, 1, 0; 2003 QP<sub>3</sub>, 26, 6, 985; 2003 QR<sub>3</sub>, 3, 1, 0; 2003 QS<sub>3</sub>, 10, 2, 6; 2003 QT<sub>3</sub>, 12, 3, 8; 2003 QU<sub>3</sub>, 17, 4, 27; 2003 QV<sub>3</sub>, 7, 2, 3; 2003 QW<sub>3</sub>, 22, 5, 66; 2003 QX<sub>3</sub>, 16, 4, 27; 2003 QY<sub>3</sub>, 15, 3, 27; 2003 QZ<sub>3</sub>, 10, 2, 7; 2003 QA<sub>4</sub>, 3, 1, 0; 2003 QB<sub>4</sub>, 13, 3, 8; 2003 QC<sub>4</sub>, 8, 2, 4; 2003 QE<sub>4</sub>, 5, 1, 0; 2003 QF<sub>4</sub>, 12, 3, 27; 2003 QG<sub>4</sub>, 8, 2, 4; 2003 QH<sub>4</sub>, 9, 2, 8; 2003 QJ<sub>4</sub>, 10, 2, 8; 2003 QL<sub>4</sub>, 14, 3, 27; 2003 QM<sub>4</sub>, 14, 3, 9; 2003 QN<sub>4</sub>, 4, 1, 0; 2003 QQ<sub>4</sub>, 8, 2, 8; 2003 QU<sub>4</sub>, 14, 3, 34; 2003 QV<sub>4</sub>, 4, 1, 0; 2003 QW<sub>4</sub> \*, 15, 3, 3; 2003 QX<sub>4</sub>, 8, 2, 27; 2003 QA<sub>5</sub>, 8, 2, 7; 2003 QC<sub>5</sub>, 15, 3, 28; 2003 QD<sub>5</sub>, 13, 3, 10; 2003 QG<sub>5</sub>, 18, 4, 11; 2003 QH<sub>5</sub> \*, 14, 4, 3; 2003 QJ<sub>5</sub> \*, 9, 2, 1; 2003 QL<sub>5</sub> \*, 15, 4, 18; 2003 QM<sub>5</sub> \*, 7, 2, 1; 2003 QN<sub>5</sub> \*, 19, 4, 3; 2003 QO<sub>5</sub>, 10, 2, 7; 2003 QP<sub>5</sub>, 17, 4, 38; 2003 QQ<sub>5</sub>, 15, 3, 29; 2003 QR<sub>5</sub>, 4, 1, 0; 2003 QS<sub>5</sub>, 24, 5, 11; 2003 QU<sub>5</sub> \*, 14, 3, 2; 2003 QV<sub>5</sub>, 8, 2, 8; 2003 QW<sub>5</sub>, 25, 6, 986; 2003 QX<sub>5</sub>, 4, 1, 0; 2003 QY<sub>5</sub>, 9, 2, 8; 2003 QA<sub>6</sub>, 7, 2, 3; 2003 QB<sub>6</sub>, 19, 5, 26; 2003 QC<sub>6</sub>, 20, 5, 27; 2003 QD<sub>6</sub>, 7, 2, 3; 2003 QE<sub>6</sub>, 14, 3, 9; 2003 QF<sub>6</sub>, 7, 2, 943; 2003 QG<sub>6</sub>, 18, 4, 37; 2003 QH<sub>6</sub>, 27, 6, 509; 2003 QJ<sub>6</sub>, 21, 5, 32; 2003 QK<sub>6</sub>, 13, 3, 11; 2003 QL<sub>6</sub>, 14, 3, 11; 2003 QM<sub>6</sub>, 14, 3, 10; 2003 QN<sub>6</sub>, 9, 2, 10; 2003 QO<sub>6</sub>, 7, 2, 10; 2003 QP<sub>6</sub>, 22, 4, 35; 2003 QQ<sub>6</sub>, 18, 4, 30; 2003 QR<sub>6</sub>, 12, 3, 9; 2003 QS<sub>6</sub>, 4, 1, 0; 2003 QT<sub>6</sub>, 17, 4, 11; 2003 QU<sub>6</sub>, 18, 4, 30; 2003 QV<sub>6</sub>, 12, 3, 10; 2003 QW<sub>6</sub>, 9, 2, 10; 2003 QX<sub>6</sub>, 3, 1, 0; 2003 QY<sub>6</sub>, 12, 3, 11; 2003 QZ<sub>6</sub>, 12, 3, 28; 2



2003 QP<sub>12</sub>, 12, 3, 34; 2003 QQ<sub>12</sub>, 11, 3, 8; 2003 QR<sub>12</sub>, 11, 3, 8; 2003 QS<sub>12</sub> \*, 8, 2, 1; 2003 QT<sub>12</sub>, 12, 3, 37; 2003 QU<sub>12</sub>, 9, 2, 8; 2003 QV<sub>12</sub>, 8, 2, 8; 2003 QW<sub>12</sub>, 19, 4, 477; 2003 QX<sub>12</sub>, 4, 1, 0; 2003 QY<sub>12</sub>, 11, 3, 8; 2003 QZ<sub>12</sub>, 3, 1, 0; 2003 QA<sub>13</sub>, 26, 3, 9; 2003 QB<sub>13</sub>, 20, 3, 9; 2003 QC<sub>13</sub>, 20, 3, 9; 2003 QD<sub>13</sub>, 5, 1, 0; 2003 QE<sub>13</sub>, 5, 1, 0; 2003 QF<sub>13</sub>, 20, 3, 8; 2003 QG<sub>13</sub>, 8, 2, 3; 2003 QH<sub>13</sub>, 24, 4, 10; 2003 QJ<sub>13</sub>, 20, 3, 9; 2003 QK<sub>13</sub>, 7, 1, 0; 2003 QL<sub>13</sub>, 12, 3, 10; 2003 QM<sub>13</sub>, 15, 3, 9; 2003 QN<sub>13</sub>, 15, 3, 9; 2003 QO<sub>13</sub>, 20, 4, 31; 2003 QP<sub>13</sub>, 19, 4, 29; 2003 QP<sub>13</sub>, 16, 4, 34; 2003 QR<sub>13</sub>, 14, 3, 10; 2003 QS<sub>13</sub>, 8, 2, 3; 2003 QT<sub>13</sub>, 4, 1, 0; 2003 QU<sub>13</sub> \*, 21, 5, 31; 2003 QV<sub>13</sub>, 4, 1, 0; 2003 QZ<sub>13</sub>, 3, 1, 0; 2003 QB<sub>14</sub>, 7, 2, 34; 2003 QJ<sub>14</sub>, 8, 2, 8; 2003 QM<sub>14</sub>, 4, 1, 0; 2003 QQ<sub>14</sub>, 3, 1, 0; 2003 QU<sub>14</sub>, 14, 3, 35; 2003 QV<sub>14</sub>, 5, 1, 0; 2003 QY<sub>14</sub>, 12, 3, 28; 2003 QZ<sub>14</sub>, 15, 3, 9; 2003 QA<sub>15</sub>, 4, 1, 0; 2003 QD<sub>15</sub>, 10, 2, 32; 2003 QE<sub>15</sub>, 19, 4, 28; 2003 QF<sub>15</sub>, 10, 2, 28; 2003 QG<sub>15</sub>, 4, 1, 0; 2003 QH<sub>15</sub>, 14, 3, 9; 2003 QJ<sub>15</sub>, 3, 1, 0; 2003 QL<sub>15</sub>, 9, 2, 9; 2003 QO<sub>15</sub>, 11, 3, 9; 2003 QP<sub>15</sub>, 9, 2, 5; 2003 QQ<sub>15</sub>, 10, 2, 5; 2003 QT<sub>15</sub>, 18, 4, 28; 2003 QV<sub>15</sub>, 9, 2, 8; 2003 QW<sub>15</sub>, 3, 1, 0; 2003 QY<sub>15</sub>, 9, 2, 10; 2003 QA<sub>16</sub>, 11, 3, 9; 2003 QB<sub>16</sub>, 9, 2, 4; 2003 QC<sub>16</sub>, 3, 1, 0; 2003 QF<sub>16</sub>, 13, 3, 29; 2003 QG<sub>16</sub>, 17, 4, 35; 2003 QL<sub>16</sub>, 3, 1, 0; 2003 QM<sub>16</sub>, 9, 2, 7; 2003 QN<sub>16</sub>, 10, 2, 7; 2003 QQ<sub>16</sub>, 3, 1, 0; 2003 QS<sub>16</sub>, 15, 3, 27; 2003 QT<sub>16</sub>, 9, 2, 7; 2003 QU<sub>16</sub>, 7, 2, 7; 2003 QX<sub>16</sub>, 8, 2, 10; 2003 QY<sub>16</sub>, 24, 5, 61; 2003 QZ<sub>16</sub>, 8, 2, 7; 2003 QA<sub>17</sub>, 4, 1, 0; 2003 QB<sub>17</sub>, 15, 3, 10; 2003 QE<sub>17</sub>, 3, 1, 0; 2003 QG<sub>17</sub>, 14, 3, 28; 2003 QJ<sub>17</sub>, 8, 2, 8; 2003 QK<sub>17</sub>, 9, 2, 8; 2003 QL<sub>17</sub>, 12, 3, 8; 2003 QM<sub>17</sub>, 16, 4, 27; 2003 QN<sub>17</sub>, 11, 3, 8; 2003 QO<sub>17</sub>, 8, 2, 8; 2003 QP<sub>17</sub>, 8, 2, 8; 2003 QQ<sub>17</sub>, 11, 3, 27; 2003 QR<sub>17</sub>, 11, 3, 8; 2003 QT<sub>17</sub>, 6, 2, 8; 2003 QU<sub>17</sub>, 12, 3, 8; 2003 QV<sub>17</sub>, 12, 3, 9; 2003 QW<sub>17</sub>, 12, 3, 8; 2003 QX<sub>17</sub>, 11, 3, 8; 2003 QY<sub>17</sub>, 12, 3, 9; 2003 QZ<sub>17</sub>, 13, 3, 8; 2003 QA<sub>18</sub>, 7, 2, 8; 2003 QB<sub>18</sub>, 12, 3, 8; 2003 QC<sub>18</sub>, 13, 3, 8; 2003 QD<sub>18</sub>, 12, 3, 8; 2003 QE<sub>18</sub>, 11, 3, 8; 2003 QF<sub>18</sub>, 13, 3, 9; 2003 QG<sub>18</sub>, 8, 2, 8; 2003 QJ<sub>18</sub>, 9, 2, 7; 2003 QK<sub>18</sub> \*, 16, 4, 10; 2003 QL<sub>18</sub> \*, 17, 4, 10; 2003 QM<sub>18</sub> \*, 17, 4, 10; 2003 QN<sub>18</sub>, 11, 3, 9; 2003 QO<sub>18</sub>, 3, 1, 0; 2003 QP<sub>18</sub>, 17, 4, 1755; 2003 QQ<sub>18</sub>, 7, 2, 9; 2003 QR<sub>18</sub>, 4, 1, 0; 2003 QS<sub>18</sub>, 7, 2, 9; 2003 QT<sub>18</sub>, 12, 3, 9; 2003 QU<sub>18</sub>, 13, 3, 9; 2003 QV<sub>18</sub> \*, 14, 3, 10; 2003 QW<sub>18</sub> \*, 14, 3, 10; 2003 QX<sub>18</sub> \*, 17, 4, 10; 2003 QY<sub>18</sub> \*, 14, 3, 10; 2003 QZ<sub>18</sub> \*, 13, 3, 10; 2003 QA<sub>19</sub> \*, 14, 3, 10; 2003 QB<sub>19</sub> \*, 16, 4, 10; 2003 QC<sub>19</sub> \*, 17, 4, 28; 2003 QD<sub>19</sub>, 9, 2, 9; 2003 QE<sub>19</sub>, 9, 2, 9; 2003 QF<sub>19</sub>, 16, 4, 28; 2003 QG<sub>19</sub>, 18, 4, 12; 2003 QH<sub>19</sub> \*, 4, 1, 0; 2003 QJ<sub>19</sub> \*, 16, 4, 10; 2003 QK<sub>19</sub> \*, 18, 5, 28; 2003 QN<sub>19</sub>, 7, 2, 5; 2003 QO<sub>19</sub>, 4, 1, 0; 2003 QP<sub>19</sub>, 19, 3, 9; 2003 QQ<sub>19</sub>, 16, 4, 502; 2003 QR<sub>19</sub>, 16, 4, 9; 2003 QS<sub>19</sub>, 8, 2, 9; 2003 QT<sub>19</sub>, 13, 3, 9; 2003 QU<sub>19</sub>, 6, 2, 9; 2003 QV<sub>19</sub>, 18, 4, 9; 2003 QW<sub>19</sub>, 12, 3, 9; 2003 QX<sub>19</sub>, 11, 3, 9; 2003 QY<sub>19</sub>, 13, 3, 9; 2003 QZ<sub>19</sub>, 8, 2, 3; 2003 QA<sub>20</sub>, 13, 3, 9; 2003 QB<sub>20</sub>, 18, 4, 61; 2003 QC<sub>20</sub>, 12, 3, 9; 2003 QD<sub>20</sub>, 12, 3, 9; 2003 QE<sub>20</sub>, 14, 3, 9; 2003 QF<sub>20</sub>, 4, 1, 0; 2003 QG<sub>20</sub>, 13, 3, 9; 2003 QH<sub>20</sub>, 13, 3, 10; 2003 QJ<sub>20</sub>, 12, 3, 9; 2003 QK<sub>20</sub>, 12, 3, 9; 2003 QL<sub>20</sub>, 18, 3, 9; 2003 QM<sub>20</sub>, 3, 1, 0; 2003 QN<sub>20</sub>, 13, 3, 9; 2003 QO<sub>20</sub>, 10, 2, 9; 2003 QP<sub>20</sub>, 24, 3, 9; 2003 QQ<sub>20</sub>, 13, 3, 9; 2003 QR<sub>20</sub>, 5, 1, 0; 2003 QS<sub>20</sub>, 15, 3, 9; 2003 QT<sub>20</sub>, 14, 3, 10; 2003 QU<sub>20</sub>, 7, 2, 10; 2003 QV<sub>20</sub>, 3, 1, 0; 2003 QW<sub>20</sub>, 10, 2, 3; 2003 QX<sub>20</sub>, 9, 2, 9; 2003 QY<sub>20</sub>, 12, 3, 10; 2003 QZ<sub>20</sub>, 12, 3, 9; 2003 QA<sub>21</sub>, 15, 3, 9; 2003 QB<sub>21</sub>, 15, 3, 9; 2003 QC<sub>21</sub>, 15, 3, 9; 2003 QD<sub>21</sub>, 12, 3, 9; 2003 QE<sub>21</sub>, 9, 2, 3; 2003 QF<sub>21</sub>, 14, 3, 10; 2003 QG<sub>21</sub>, 15, 3, 10; 2003 QH<sub>21</sub>, 7, 2, 9; 2003 QJ<sub>21</sub>, 15, 3, 9; 2003 QK<sub>21</sub>, 15, 3, 9; 2003 QL<sub>21</sub>, 18, 4, 32; 2003 QM<sub>21</sub>, 12, 3, 10; 2003 QN<sub>21</sub>, 15, 3, 9; 2003 QO<sub>21</sub>, 13, 3, 9; 2003 QP<sub>21</sub>, 10, 3, 9; 2003 QR<sub>21</sub>, 15, 3, 10; 2003 QS<sub>21</sub>, 9, 2, 3; 2003 QT<sub>21</sub>, 20, 4, 29; 2003 QU<sub>21</sub>, 15, 3, 10; 2003 QV<sub>21</sub>, 14, 3, 9; 2003 QW<sub>21</sub>, 10, 3, 9; 2003 QX<sub>21</sub>, 15, 3, 28; 2003 QY<sub>21</sub>, 8, 2, 1; 2003 QZ<sub>21</sub>, 3, 1, 0; 2003 QA<sub>22</sub>, 5, 1, 0; 2003 QB<sub>22</sub>, 13, 3, 27; 2003 QC<sub>22</sub>, 8, 2, 19; 2003 QD<sub>22</sub>, 15, 3, 9; 2003 QE<sub>22</sub>, 15, 3, 9; 2003 QF<sub>22</sub>, 16, 4, 28; 2003 QG<sub>22</sub>, 14, 3, 9; 2003 QH<sub>22</sub>, 14, 3, 9; 2003 QJ<sub>22</sub>, 16, 3, 1423; 2003 QK<sub>22</sub>, 8, 2, 10; 2003 QL<sub>22</sub>, 13, 3, 35; 2003 QM<sub>22</sub>, 14, 3, 9; 2003 QN<sub>22</sub>, 12, 3, 9; 2003 QO<sub>22</sub>, 19, 4, 28; 2003 QP<sub>22</sub>, 20, 4, 9; 2003 QQ<sub>22</sub>, 14, 3, 10; 2003 QR<sub>22</sub>, 8, 2, 10; 2003 QS<sub>22</sub>, 5, 1, 0; 2003 QT<sub>22</sub>, 11, 3, 23; 2003 QU<sub>22</sub>, 8, 2, 9; 2003 QV<sub>22</sub>, 12, 3, 9; 2003 QW<sub>22</sub>, 7, 2, 9; 2003 QX<sub>22</sub>, 17, 4, 951; 2003 QY<sub>22</sub>, 21, 5, 1754; 2003 QZ<sub>22</sub>, 19, 4, 10; 2003 QA<sub>23</sub>, 15, 3, 9; 2003 QB<sub>23</sub>, 9, 2, 9; 2003 QC<sub>23</sub>, 8, 2, 10; 2003 QD<sub>23</sub>, 4, 1, 0; 2003 QE<sub>23</sub>, 9, 2, 9; 2003 QF<sub>23</sub>, 4, 1, 0; 2003 QG<sub>23</sub>, 13, 3, 9; 2003 QH<sub>23</sub>, 13, 3, 64; 2003 QI<sub>23</sub>, 4, 1, 0; 2003 QJ<sub>23</sub>, 15, 4, 28; 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37; 2003 QQ<sub>40</sub> \*, 7, 2, 3; 2003 QR<sub>40</sub> \*, 12, 3, 9; 2003 QS<sub>40</sub> \*, 13, 3, 21; 2003 QT<sub>40</sub> \*, 13, 3, 9; 2003 QU<sub>40</sub> \*, 13, 3, 10; 2003 QV<sub>40</sub> \*, 17, 4, 27; 2003 QW<sub>40</sub> \*, 12, 3, 10; 2003 QX<sub>40</sub> \*, 17, 4, 28; 2003 QY<sub>40</sub> \*, 8, 2, 3; 2003 QZ<sub>40</sub> \*, 7, 2, 3; 2003 QA<sub>41</sub> \*, 12, 3, 10; 2003 QB<sub>41</sub> \*, 10, 2, 3; 2003 QC<sub>41</sub> \*, 14, 3, 11; 2003 QD<sub>41</sub> \*, 13, 3, 11; 2003 QE<sub>41</sub> \*, 13, 3, 11; 2003 QF<sub>41</sub> \*, 14, 3, 11; 2003 QG<sub>41</sub> \*, 13, 3, 11; 2003 QH<sub>41</sub> \*, 17, 4, 12; 2003 QJ<sub>41</sub> \*, 9, 2, 3; 2003 QK<sub>41</sub> \*, 13, 3, 11; 2003 QL<sub>41</sub> \*, 27, 5, 958; 2003 QM<sub>41</sub> \*, 15, 3, 11; 2003 QN<sub>41</sub> \*, 15, 3, 11; 2003 QO<sub>41</sub> \*, 13, 3, 11; 2003 QP<sub>41</sub> \*, 16, 3, 11; 2003 QQ<sub>41</sub> \*, 18, 4, 32; 2003 QR<sub>41</sub> \*, 17, 4, 32; 2003 QS<sub>41</sub> \*, 8, 2, 3; 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2003 QX<sub>42</sub> \*, 4, 1, 0; 2003 QY<sub>42</sub> \*, 6, 2, 7; 2003 QZ<sub>42</sub> \*, 9, 2, 6; 2003 QA<sub>43</sub> \*, 4, 1, 0; 2003 QB<sub>43</sub> \*, 9, 2, 6; 2003 QC<sub>43</sub> \*, 8, 2, 4; 2003 QD<sub>43</sub> \*, 4, 1, 0; 2003 QE<sub>43</sub> \*, 3, 1, 0; 2003 QF<sub>43</sub> \*, 3, 1, 0; 2003 QG<sub>43</sub> \*, 13, 3, 7; 2003 QH<sub>43</sub> \*, 5, 1, 0; 2003 QI<sub>43</sub> \*, 10, 2, 8; 2003 QJ<sub>43</sub> \*, 8, 2, 8; 2003 QK<sub>43</sub> \*, 8, 2, 8; 2003 QL<sub>43</sub> \*, 14, 3, 8; 2003 QM<sub>43</sub> \*, 14, 3, 8; 2003 QN<sub>43</sub> \*, 5, 1, 0; 2003 QO<sub>43</sub> \*, 9, 2, 8; 2003 QP<sub>43</sub> \*, 4, 1, 0; 2003 QQ<sub>43</sub> \*, 14, 3, 8; 2003 QR<sub>43</sub> \*, 9, 2, 8; 2003 QS<sub>43</sub> \*, 3, 1, 0; 2003 QT<sub>43</sub> \*, 5, 1, 0; 2003 QU<sub>43</sub> \*, 9, 2, 8; 2003 QV<sub>43</sub> \*, 10, 1, 0; 2003 QW<sub>43</sub> \*, 5, 1, 0; 2003 QX<sub>43</sub> \*, 3, 1, 0; 2003 QY<sub>43</sub> \*, 11, 2, 8; 2003 QZ<sub>43</sub> \*, 8, 2, 8; 2003 QA<sub>44</sub> \*, 12, 3, 9; 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2003 QH<sub>102</sub>, 4, 1, 0; 2003 QJ<sub>102</sub>, 3, 1, 0; 2003 QK<sub>102</sub>, 14, 3, 27; 2003 QL<sub>102</sub>, 4, 1, 0; 2003 QM<sub>102</sub>, 3, 1, 0; 2003 QN<sub>102</sub>, 10, 2, 7; 2003 QO<sub>102</sub>, 5, 1, 0; 2003 QP<sub>102</sub>, 12, 3, 31; 2003 QQ<sub>102</sub>, 9, 2, 7; 2003 QR<sub>102</sub>, 4, 1, 0; 2003 QS<sub>102</sub>, 4, 1, 0; 2003 QT<sub>102</sub>, 5, 1, 0; 2003 QU<sub>102</sub>, 3, 1, 0; 2003 QV<sub>102</sub>, 4, 1, 0; 2003 QW<sub>102</sub> \*, 10, 2, 1; 2003 QX<sub>102</sub> \*, 10, 2, 1; 2003 QY<sub>102</sub>, 5, 1, 0; 2003 QZ<sub>102</sub> \*, 27, 5, 4; 2003 QA<sub>103</sub>, 3, 1, 0; 2003 QB<sub>103</sub>, 3, 1, 0; 2003 QC<sub>103</sub>, 10, 2, 7; 2003 QD<sub>103</sub>, 6, 2, 7; 2003 QE<sub>103</sub>, 7, 2, 10; 2003 QF<sub>103</sub> \*, 10, 2, 1; 2003 QG<sub>103</sub> \*, 10, 2, 1; 2003 QH<sub>103</sub>, 4, 1, 0; 2003 QJ<sub>103</sub>, 5, 1, 0; 2003 QK<sub>103</sub>, 9, 2, 9; 2003 QL<sub>103</sub>, 7, 2, 6; 2003 QM<sub>103</sub>, 5, 1, 0; 2003 QN<sub>103</sub>, 5, 1, 0; 2003 QO<sub>103</sub>, 4, 1, 0; 2003 QP<sub>103</sub>, 4, 1, 0; 2003 QQ<sub>103</sub>, 4, 1, 0; 2003 QR<sub>103</sub>, 5, 1, 0; 2003 QS<sub>103</sub>, 4, 1, 0; 2003 QT<sub>103</sub>, 7, 2, 6; 2003 QU<sub>103</sub>, 4, 1, 0; 2003 QV<sub>103</sub>, 5, 1, 0; 2003 QW<sub>103</sub>, 5, 1, 0; 2003 QX<sub>103</sub>, 5, 1, 0; 2003 QY<sub>103</sub>, 5, 1, 0; 2003 QZ<sub>103</sub>, 4, 1, 0; 2003 QA<sub>104</sub>, 8, 2, 6; 2003 QB<sub>104</sub>, 10, 2, 6; 2003 QC<sub>104</sub>, 4, 1, 0; 2003 QD<sub>104</sub>, 5, 1, 0; 2003 QE<sub>104</sub>, 4, 1, 0; 2003 QM<sub>104</sub>, 9, 2, 2; 2003 QN<sub>104</sub> \*, 21, 5, 37; 2003 QO<sub>104</sub>, 24, 5, 6; 2003 QP<sub>104</sub>, 3, 1, 0; 2003 QQ<sub>104</sub> \*, 12, 3, 11; 2003 QR<sub>104</sub> \*, 12, 3, 11; 2003 QS<sub>104</sub> \*, 6, 2, 4; 2003 QT<sub>104</sub> \*, 12, 3, 8; 2003 QU<sub>104</sub>, 9, 2, 35; 2003 QV<sub>104</sub>, 4, 1, 0; 2003 QW<sub>104</sub>, 5, 1, 0; 2003 QX<sub>104</sub>, 5, 1, 0; 2003 QY<sub>104</sub>, 3, 1, 0; 2003 QZ<sub>104</sub>, 5, 1, 0; 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(64571), 8, 2, 2; (64577), 24, 5, 69; (64581), 5, 1, 0; (64598), 4, 1, 0; (64677), 9, 2, 31; (64689), 5, 1, 0; (64692), 9, 2, 446; (64694), 5, 1, 0; (64697), 4, 1, 0; (64704), 7, 2, 24; (64729), 4, 1, 0; (64736), 3, 1, 0; (64785), 19, 4, 38; (64789), 4, 1, 0; (64799), 4, 1, 0; (64807), 8, 2, 27; (64844), 4, 1, 0; (64904), 23, 4, 8; (64920), 5, 1, 0; (64934), 1, 1, 0; (64948), 3, 1, 0; (64951), 5, 1, 0; (64962), 5, 1, 0; (64968), 10, 2, 5; (64984), 31, 7, 60; (64997), 5, 1, 0; (64998), 22, 5, 28; (65002), 4, 1, 0; (65010), 5, 1, 0; (65031), 18, 4, 59; (65037), 8, 2, 10; (65050), 11, 3, 37; (65052), 5, 1, 0; (65053), 5, 1, 0; (65072), 5, 1, 0; (65092), 3, 1, 0; (65099), 18, 3, 9; (65117), 9, 2, 3; (65118), 4, 1, 0; (65132), 9, 2, 31; (65139), 17, 5, 537; (65141), 24, 4, 12; (65142), 10, 2, 24; (65147), 8, 2, 26; (65155), 3, 1, 0; (65157), 5, 1, 0; (65162), 5, 1, 0; (65164), 4, 1, 0; (65180), 3, 1, 0; (65184), 4, 1, 0; (65185), 19, 5, 12; (65186), 7, 2, 12; (65187), 3, 1, 0; (65190), 19, 4, 84; (65204), 14, 3, 29; (65213), 4, 1, 0; (65215), 4, 1, 0; (65218), 10, 2, 21; (65226), 8, 2, 451; (65227), 9, 2, 2; (65236), 4, 1, 0; (65237), 22, 5, 37; (65238), 15, 4, 40; (65241), 5, 1, 0; (65242), 5, 1, 0; (65248), 5, 1, 0; (65249), 10, 2, 5; (65256), 4, 1, 0; (65258), 5, 1, 0; (65261), 7, 2, 14; (65264), 17, 4, 82; (65265), 13, 3, 31; (65267), 4, 1, 0; (65270), 20, 3, 9; (65271), 5, 1, 0; (65274), 22, 5, 28; (65275), 26, 6, 63; (65279), 15, 4, 40; (65283), 22, 5, 37; (65284), 9, 3, 29; (65286), 8, 2, 1; (65290), 3, 1, 0; (65296), 4, 1, 0; (65297), 9,

4, 1, 0; (65428), 3, 1, 0; (65434), 15, 3, 970; (65437), 9, 2, 28; (65440), 10, 2, 28; (65446), 4, 1, 0; (65449), 12, 3, 57; (65458), 3, 1, 0; (65462), 5, 1, 0; (65469), 7, 2, 52; (65472), 7, 2, 534; (65475), 7, 2, 26; (65477), 3, 1, 0; (65479), 4, 1, 0; (65481), 7, 2, 1474; (65482), 4, 1, 0; (65484), 23, 5, 84; (65485), 3, 1, 0; (65487), 5, 1, 0; (65503), 8, 2, 439; (65504), 10, 2, 448; (65505), 4, 1, 0; (65507), 8, 2, 36; (65515), 8, 2, 21; (65523), 8, 2, 25; (65536), 4, 1, 0; (65547), 8, 2, 421; (65561), 10, 2, 10; (65574), 18, 4, 32; (65579), 5, 1, 0; (65594), 19, 4, 27; (65595), 5, 1, 0; (65619), 4, 1, 0; (65622), 7, 2, 401; (65625), 3, 1, 0; (65629), 4, 1, 0; [387317, 38328, 1715\*, 1997/03/06–2003/09/07]

### 711 McDonald Observatory

P. J. Shelus, McDonald Observatory, University of Texas, Austin, TX 78712,  
U.S.A. [pjshelus@astro.as.utexas.edu]

Observer E. S. Barker

0.76-m reflector + prime focus corrector + CCD

USNO-A2.0

2001 SL<sub>9</sub>, 4, 1, 0; 2002 OA<sub>22</sub>, 4, 1, 0; 2003 NP<sub>7</sub>, 3, 1, 0; [11, 3, 0\*, 2003/07/12–2003/07/13]

### 715 Journada Observatory

D. S. Dixon, 5975 Moonrise Vista, Las Cruces, NM 88012, U.S.A.

[ddixon@direcway.com]

0.4-m  $f/10$  Schmidt-Cassegrain + CCD, 0.3-m  $f/5.6$  Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2

1991 TU<sub>15</sub>, 3, 1, 0; 1991 TP<sub>16</sub>, 5, 2, 7; 1998 FO<sub>25</sub>, 3, 1, 0; 2000 DW<sub>17</sub>, 5, 2, 14; 2002 ES<sub>75</sub>, 3, 1, 0; 2003 CC, 3, 1, 0; 2003 EA, 3, 1, 0; 2003 HB, 3, 1, 0; 2003 KU<sub>2</sub>, 6, 2, 22; 2003 KX<sub>16</sub>, 3, 1, 0; 2003 LN<sub>6</sub>, 3, 1, 0; 2003 MT, 6, 2, 41; 2003 MH<sub>4</sub>, 3, 1, 0; 2003 NC, 4, 2, 24; 2003 OU, 3, 1, 0; 2003 OA<sub>3</sub>, 9, 3, 21; 2003 OC<sub>3</sub>, 5, 2, 7; 2003 OT<sub>13</sub>, 4, 1, 0; 2003 QA, 5, 1, 0; 2003 QC, 5, 1, 0; 2003 QH<sub>5</sub>, 3, 1, 0; (43349), 3, 1, 0; [90, 22, 0\*, 2003/06/21–2003/09/02]

### 716 Palmer Divide Observatory

B. D. Warner, 17995 Bakers Farm Rd., Colorado Springs, CO 80908, U.S.A.

[brianw\_mpo@compuserve.com]

0.5-m  $f/8.1$  Ritchey-Chrétien + CCD

USNO-A2.0

(20231), 2, 1, 0; [2, 1, 0\*, 1999/07/08]

### 721 Lime Creek

R. Linderholm, R2 Box 79, Cambridge, NE 69022, U.S.A. [lindh@swnebr.net]

0.25-m  $f/3.3$  Schmidt-Cassegrain + CCD

USNO-SA2.0

1999 VP<sub>2</sub>, 2, 1, 0; [2, 1, 0\*, 2003/07/24]

### 723 Cottonwood Observatory, Ada

J. Waller, Rt#3 Box 175c, Ada, OK 74820, U.S.A. [jwaller@chickasaw.com]

0.30-m  $f/6$  Schmidt-Cassegrain + CCD

GSC-ACT

(14568), 2, 1, 0; [2, 1, 0\*, 1999/12/29]

### 726 Brainerd

J. E. Wentworth, 6469 Madson Ave. N.W., Brainerd, MN 56401, U.S.A.

[jimw@brainerd.net]

0.280-m Schmidt-Cassegrain + CCD

GSC-1.1

1997 AE<sub>12</sub>, 3, 1, 0; 2002 OA<sub>22</sub>, 16, 3, 2; (2100), 12, 2, 1; [31, 3, 0\*, 2003/08/15–2003/08/17]

### 727 Zeno Observatory, Edmond

T. Stafford, 2947 Village Circle, Edmond, OK 73013, U.S.A. [tstaffor@home.com]

0.15-m  $f/6$  refractor + CCD

GSC-ACT

2000 QR<sub>168</sub>, 3, 1, 0; [3, 1, 0\*, 1998/03/04]

### 730 University of North Dakota, Grand Forks

T. Young, Dept. of Physics, University of North Dakota, Grand Forks, ND 58202,  
U.S.A. [tim\_young@und.nodak.edu]

Observers T. Young, J. Downs, T. Johnson, V. Reddy

0.25-m  $f/6.3$  reflector + CCD

GSC

(690), 6, 2, 1; (1457), 6, 2, 1; [12, 2, 0\*, 2003/07/02–2003/07/03]

### 732 Oaxaca

J. Roe, Apdo. No. 221, MX-68000 Oaxaca, Mexico [jamesroe@jamesroe.com]

0.25-m  $f/3.4$  reflector + CCD

GSC-ACT

1999 NV<sub>18</sub>, 2, 1, 0; (56785), 3, 1, 0; [5, 2, 0\*, 2000/12/24–2001/11/21]

### 734 Farpoint Observatory

G. Hug, RTE 1 Box 35c, Eskridge, KS 66423, U.S.A. [frogstar@intergate.com]

Observer G. Hug

Measurers G. Hug, R. Valentine

0.3-m  $f/6$  Schmidt-Cassegrain + CCD

USNO-A2.0, USNO-SA2.0

1998 OD<sub>10</sub>, 4, 1, 0; 1999 RN<sub>1</sub>, 2, 1, 0; 1999 RR<sub>101</sub>, 3, 1, 0; 1999 RU<sub>149</sub>, 4, 1, 0; 2000 XD<sub>52</sub>, 3, 1, 0; 2001 EP, 5, 2, 1; 2001 HK<sub>40</sub>, 4, 2, 1; 2002 GS<sub>143</sub>, 3, 1, 0; 2002 TR<sub>235</sub>, 3, 1, 0; 2002 TP<sub>360</sub>, 1, 1, 0; 2003 BC<sub>60</sub>, 3, 1, 0; 2003 LX<sub>3</sub>, 6, 1, 0; 2003 MH<sub>4</sub>, 2, 1, 0; 2003 MK<sub>4</sub>, 2, 1, 0; 2003 NC, 2, 1, 0; 2003 NW, 3, 1, 0; 2003 NY, 3, 1, 0; 2003 NL<sub>1</sub>, 3, 1, 0; 2003 NM<sub>3</sub>, 3, 1, 0; 2003 NO<sub>4</sub>, 5, 1, 0; 2003 NP<sub>4</sub>, 4, 1, 0; 2003 NS<sub>4</sub>, 4, 1, 0; 2003 NE<sub>5</sub>, 3, 1, 0; 2003 PU<sub>3</sub>, 7, 2, 1; 2003 PT<sub>9</sub>, 3, 1, 0; 2003 QH<sub>5</sub>, 3, 1, 0; 2003 QJ<sub>5</sub>, 3, 1, 0; 2003 QW<sub>5</sub>, 3, 1, 0; 2003 QS<sub>10</sub>, 4, 1, 0; 2003 QU<sub>10</sub>, 4, 1, 0; 2003 QV<sub>10</sub>, 2, 1, 0; 2003 QW<sub>10</sub>, 2, 1, 0; 2003 QX<sub>10</sub>, 3, 1, 0; 2003 QW<sub>27</sub>, 2, 1, 0; 2003 QW<sub>30</sub>, 2, 1, 0; 2003 RL, 2, 1, 0; 2003 RD<sub>2</sub>, 2, 1, 0; 2003 RA<sub>6</sub>, 2, 1, 0; 2003 RL<sub>7</sub>, 3, 1, 0; (1666), 5, 1, 0; (11168), 3, 1, 0; (26072), 4, 2, 1; (44483), 2, 1, 0; (49976), 2, 1, 0; (59036), 4, 1, 0; (64423), 2, 1, 0; [144, 46, 0\*, 2000/07/30–2003/09/06]

### 735 George Observatory, Needville

W. G. Dillon, 4703 Birkenhead Circle, Missouri City, TX 77459, U.S.A.

[bdillon@houston.geoquest.slb.com]

Observers W. G. Dillon, L. Ferguson, J. Dellinger, J. Garossino, P. Garossino,  
T. Witham, S. Shaw, J. Ellis, D. Wells, L. Casady

0.46-m  $f/4.5$  Newtonian + CCD, 0.91-m  $f/7.6$  Ritchey-Chrétien Cassegrain + CCD

GSC-ACT, USNO-A2.0

1991 TU<sub>15</sub>, 6, 3, 13; 1991 TP<sub>16</sub>, 13, 5, 27; 1995 WG<sub>27</sub>, 8, 3, 3; 1997 AG<sub>2</sub>, 3, 1, 0; 1998 MF<sub>5</sub>, 3, 1, 0; 1999 FR<sub>25</sub>, 3, 1, 0; 1999 RV<sub>21</sub>, 3, 1, 0; 1999 TY<sub>158</sub>, 12, 4, 10; 1999 TH<sub>221</sub>, 3, 1, 0; 1999 TW<sub>221</sub>, 3, 1, 0; 1999 WT<sub>16</sub>, 3, 1, 0; 1999 XA<sub>103</sub>, 3, 1, 0; 1999 XR<sub>187</sub>, 3, 1, 0; 2000 AK<sub>96</sub>, 3, 1, 0; 2000 BQ<sub>6</sub>, 3, 1, 0; 2000 QS<sub>4</sub>, 2, 1, 0; 2000 QM<sub>26</sub>, 3, 1, 0; 2000 RS<sub>35</sub>, 3, 1, 0; 2000 SK<sub>125</sub>, 3, 1, 0; 2000 SG<sub>142</sub>, 3, 1, 0; 2000 SZ<sub>187</sub>, 3, 1, 0; 2000 UJ<sub>28</sub>, 9, 3, 4; 2000 WQ<sub>4</sub>, 6, 2, 4; 2000 WO<sub>9</sub>, 3, 1, 0; 2000 WF<sub>39</sub>, 3, 1, 0; 2000 YY<sub>19</sub>, 3, 1, 0; 2001 BA<sub>75</sub>, 3, 1, 0; 2001 FF<sub>62</sub>, 3, 1, 0; 2001 WK<sub>39</sub>, 3, 1, 0; 2002 AY<sub>50</sub>, 12, 4, 5; 2002 BP, 6, 2, 5; 2002 CU<sub>14</sub>, 6, 2, 27; 2002 CE<sub>59</sub>, 3, 1, 0; 2002 CJ<sub>84</sub>, 3, 1, 0; 2002 CE<sub>109</sub>, 3, 1, 0; 2002 CM<sub>221</sub>, 21, 7, 17; 2002 CZ<sub>231</sub>, 6, 2, 4; 2002 EX<sub>24</sub>, 5, 2, 14; 2002 EH<sub>86</sub>, 3, 1, 0; 2002 FE<sub>25</sub>, 3, 1, 0; 2002 GM<sub>144</sub>, 6, 2, 2; 2002 HJ, 2, 1, 0; 2002 KP<sub>3</sub>, 3, 1, 0; 2003 AQ<sub>82</sub>, 2, 1, 0; 2003 HL<sub>15</sub>, 12, 4, 57; 2003 KX<sub>18</sub>, 5, 2, 1; 2003 KY<sub>18</sub>, 6, 2, 19; 2003 MO, 6, 1, 0; 2003 ND, 3, 1, 0; 2003 NU, 3, 1, 0; 2003 NS<sub>1</sub>, 15, 5, 18; 2003 NN<sub>4</sub>, 9, 3, 3; 2003 NT<sub>5</sub> \*, 9, 3, 9; 2003 OB<sub>11</sub> \*, 8, 3, 5; 2003 OH<sub>15</sub>, 5, 2, 3; 2003 OZ<sub>16</sub>, 9, 3, 4; 2003 OA<sub>17</sub>, 9, 3, 4; 2003 OY<sub>19</sub> \*, 12, 4, 18; 2003 OZ<sub>19</sub> \*, 8, 3, 4; 2003 OA<sub>20</sub> \*, 11, 4, 22; 2003 OL<sub>21</sub>, 9, 3, 4; 2003 OT<sub>23</sub>, 6, 2, 2; 2003 OB<sub>30</sub>, 3, 1, 0; 2003 PM<sub>2</sub>, 6, 2, 2; 2003 PN<sub>2</sub>, 3, 1, 0; 2003 PK<sub>8</sub> \*, 12, 4, 14; 2003 PY<sub>9</sub> \*, 12, 4, 14; 2003 PZ<sub>9</sub> \*, 8, 3, 11; 2003 PJ<sub>11</sub> \*, 9, 3, 11; 2003 QD \*, 8, 3, 4; 2003 QV<sub>5</sub> \*, 21, 7, 17; 2003 QG<sub>11</sub> \*, 15, 5, 9; 2003 QH<sub>11</sub> \*, 14, 5, 9; 2003 QJ<sub>47</sub>, 3, 1, 0; 2003 QE<sub>70</sub>, 3, 1, 0; 2003 QB<sub>80</sub> \*, 9, 3, 3; 2003 QK<sub>92</sub> \*, 6, 2, 1; 2003 QJ<sub>93</sub> \*, 12, 4, 16; 2003 QJ<sub>96</sub> \*, 3, 1, 0; (2171), 6, 1, 0; (2628), 3, 1, 0; (4208), 3, 1, 0; (4594), 3, 1, 0; (7547), 3, 1, 0; (7599), 3, 1, 0; (10698), 6, 2, 1; (10850), 3, 1, 0; (10962), 2, 1, 0; (12902), 3, 1, 0; (15925), 3, 1, 0; (17024), 3, 1, 0; (18978), 3, 1, 0; (20324), 6, 2, 2; (20784), 3, 1, 0; (20785), 9, 3, 15; (21200), 3, 1, 0; (21850), 3, 1, 0; (22716), 2, 1, 0; (23524), 3, 1, 0; (24016), 3, 1, 0; (24030), 3, 1, 0; (30839), 3, 1, 0; (33471), 3, 1, 0; (35347), 3, 1, 0; (36753), 17, 6, 27; (37794), 6, 2, 1; (39115), 3, 1, 0; (39722), 3, 1, 0; (40115), 6, 2, 14; (40214), 3, 1, 0;

(40215), 3, 1, 0; (40841), 3, 1, 0; (40922), 3, 1, 0; (41149), 3, 1, 0; (41380), 3, 1, 0; (41669), 2, 1, 0; (42207), 3, 1, 0; (42217), 11, 4, 14; (43554), 7, 3, 13; (43606), 3, 1, 0; (48274), 3, 1, 0; (50000), 3, 1, 0; (58184), 3, 1, 0; (58520), 6, 2, 1; (58975), 3, 1, 0; (59899), 2, 1, 0; (62006), 3, 1, 0; [688, 127, 17\*, 2001/04/26–2003/09/06]

### 739 Sunflower Observatory, Olathe

L. Robinson, Sunflower Observatory, 14680 W. 144 St., Olathe, KS 66062, U.S.A.  
[lrobinns@ix.netcom.com]

0.30-m Schmidt-Cassegrain + CCD  
USNO-SA2.0

1999 RL<sub>175</sub>, 3, 1, 0; (26063), 2, 1, 0; (47776), 4, 1, 0; [9, 3, 0\*, 1999/11/13–2000/12/24]

### 752 Puckett Observatory, Mountain Town

T. Puckett, P.O. Box 818, Ellijay, GA 30540, U.S.A. [tpuckett@mindspring.com]

0.3-m  $f/10$  reflector + CCD

USNO-SA2.0

2000 ON<sub>4</sub>, 3, 1, 0; [3, 1, 0\*, 1999/04/19]

### 757 High Point

D. K. Chesney, 4210 Lauren Place, High Point, NC 27265, U.S.A.

[dkchesney@hpe.infi.net]

0.25-m Schmidt-Cassegrain + CCD

GSC

(29566), 1, 1, 0; [1, 1, 0\*, 2001/10/18]

### 762 Four Winds Observatory, Lake Leelanau

R. Elliott, 1422 South Manitou Trail, Lake Leelanau, MI 49653, U.S.A.

[elliottb@uwec.edu]

0.3-m  $f/10$  reflector + CCD

USNO-A2.0

1999 GJ<sub>2</sub>, 11, 4, 37; 2001 SL<sub>9</sub>, 9, 4, 15; 2002 AL<sub>14</sub>, 3, 1, 0; 2003 FT<sub>3</sub>, 4, 2, 6; 2003 HM<sub>16</sub>, 6, 2, 10; 2003 KP<sub>2</sub>, 3, 1, 0; 2003 MT<sub>2</sub>, 2, 1, 0; 2003 MD<sub>7</sub>, 2, 1, 0; 2003 RB<sub>6</sub>, 1, 0; 2003 RB<sub>5</sub>, 7, 1, 0; (1951), 3, 1, 0; (4587), 8, 4, 45; [64, 12, 0\*, 2003/07/01–2003/09/06]

### 785 Fitz-Randolph Observatory, Princeton

A. J. Willman, 87 Prospect Avenue, Princeton NJ 08544, U.S.A.

[observatory@Princeton.edu]

Observers H. Ashley, J. Maffei, A. J. Willman

0.91-m  $f/13.6$  Cassegrain + CCD

USNO-SA2.0, USNO-A2.0

1981 EE<sub>17</sub>, 3, 1, 0; 1998 QH<sub>2</sub>, 3, 1, 0; 1999 TF<sub>119</sub>, 2, 1, 0; 2000 GD<sub>1</sub>, 2, 1, 0; 2001 SL<sub>9</sub>, 2, 1, 0; 2002 OA<sub>22</sub>, 2, 1, 0; 2003 BB<sub>43</sub>, 2, 1, 0; 2003 LG, 2, 1, 0; 2003 LP<sub>6</sub>, 10, 3, 9; 2003 MO, 7, 2, 2; 2003 MC<sub>7</sub>, 6, 2, 11; 2003 OR<sub>14</sub>, 3, 1, 0; 2003 PC<sub>11</sub>, 3, 1, 0; 2003 QA, 6, 2, 7; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 7, 2, 2; 2003 RS<sub>1</sub>, 3, 1, 0; 2003 RZ<sub>5</sub>, 3, 1, 0; 2003 RW<sub>7</sub>, 2, 1, 0; 2003 RX<sub>7</sub>, 4, 1, 0; (18882), 3, 1, 0; [78, 21, 0\*, 2003/06/17–2003/09/07]

### 801 Oak Ridge

R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A.

1.5-m reflector + CCD

GSC

2001 QU<sub>246</sub>, 2, 1, 0; (5982), 1, 1, 0; [3, 2, 0\*, 1992/10/01–1994/03/16]

### 807 Cerro Tololo

L. H. Wasserman, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [lhw@lowell.edu] (1)

D. Wittman, Bell Labs Room 1D-456, 700 Mountain Avenue, Murray Hill, NJ 07974, U.S.A. [dwittman@physics.bell-labs.com] (3)

T. Girard, Dept. of Astronomy, Yale University, P.O. Box 208101, New Haven, CT 06520, U.S.A. [girard@astro.yale.edu] (6)

I. P. Griffin, Space Telescope Science Institute, 3700 San Martin Drive, Baltimore, MD 21218, U.S.A. [griffin@stsci.edu] (20)

Observers J. Espinoza, D. Gonzalez, M. W. Buie, K. J. Meech, D. Wittman,

A. Miranda, L. H. Wasserman, R. L. Millis, I. P. Griffin, S. G. Huerta

Measurers V. Korchagin, T. Girard, M. W. Buie, L. H. Wasserman, R. L. Millis,

D. E. Trilling, E. I. Chiang, E. W. Lundgren, S. Hylton, I. P. Griffin,

S. D. Kern, L. E. Hutchison, J. J. Qu, A. A. S. Gulbisdgren, J. F. Kane

1.0-m  $f/10$  reflector + CCD, 0.9-m reflector + CCD

USNO-A2.0, USNO-B1.0, UCAC-2

{20} 1995 FA<sub>8</sub>, 4, 1, 0; 2000 AK<sub>187</sub>, 5, 2, 1; 2000 DK<sub>8</sub>, 6, 1, 0; 2000 PJ<sub>6</sub>, 5, 1, 0; 2000 SU<sub>180</sub>, 5, 1, 0; 2000 WT<sub>100</sub>, 2, 1, 0; 2001 YA<sub>150</sub>, 2, 1, 0; 2002 CY<sub>16</sub>, 2, 1, 0; 2002 CT<sub>95</sub>, 5, 1, 0; 2002 CB<sub>244</sub>, 3, 1, 0; 2002 DO<sub>17</sub>, 4, 2, 1; 2002 EG<sub>31</sub>, 3, 1, 0; 2002 EX<sub>44</sub>, 3, 2, 1; 2002 JR<sub>5</sub>, 6, 1, 0; 2003 OE<sub>11</sub>, 13, 3, 2; 2003 OQ<sub>13</sub>, 12, 3, 2; 2003 OM<sub>17</sub> \*, 10, 2, 1; 2003 OA<sub>18</sub> \*, 7, 2, 1; 2003 OL<sub>18</sub> \*, 7, 2, 1; 2003 QF<sub>32</sub>, 4, 1, 0; 2003 QK<sub>90</sub> \*, 3, 1, 0; 2003 QL<sub>90</sub> \*, 4, 1, 0; 2003 QG<sub>96</sub>, 5, 1, 0; 2003 QH<sub>96</sub>, 5, 1, 0; 2003 QJ<sub>99</sub>, 5, 1, 0; 3161 T-3, 3, 1, 0; (296), 1, 1, 0; (10732), 5, 2, 1; (37935), 3, 1, 0; (43386), 3, 1, 0; (55578), 3, 1, 0; [148, 31, 5\*, 2003/07/25–2003/08/31]

{1} 1973 SX<sub>1</sub>, 3, 2, 1; 1990 VO<sub>1</sub>, 2, 1, 0; 1992 EB<sub>31</sub>, 2, 1, 0; 1992 RJ<sub>2</sub>, 2, 1, 0; 1993 PT<sub>1</sub>, 2, 1, 0; 1993 RU<sub>5</sub>, 2, 1, 0; 1994 CY<sub>10</sub>, 2, 1, 0; 1994 SM<sub>8</sub>, 2, 1, 0; 1994 TH<sub>14</sub>, 2, 1, 0; 1995 BR<sub>8</sub>, 2, 1, 0; 1995 SD<sub>20</sub>, 2, 1, 0; 1995 SX<sub>37</sub>, 2, 1, 0; 1995 SM<sub>40</sub>, 2, 1, 0; 1995 SC<sub>64</sub>, 2, 1, 0; 1995 UG<sub>1</sub>, 2, 1, 0; 1995 UJ<sub>20</sub>, 2, 1, 0; 1995 UB<sub>24</sub>, 2, 1, 0; 1995 UP<sub>57</sub>, 2, 1, 0; 1995 WP<sub>3</sub>, 2, 1, 0; 1996 EB<sub>8</sub>, 2, 1, 0; 1996 TW<sub>28</sub>, 2, 1, 0; 1997 CT<sub>2</sub>, 2, 1, 0; 1997 CK<sub>11</sub>, 2, 1, 0; 1997 CG<sub>28</sub>, 2, 1, 0; 1997 GD<sub>25</sub>, 2, 1, 0; 1997 JK<sub>4</sub>, 2, 1, 0; 1997 WJ<sub>11</sub>, 2, 1, 0; 1998 FL<sub>14</sub>, 2, 1, 0; 1998 FX<sub>14</sub>, 2, 1, 0; 1998 FQ<sub>26</sub>, 2, 1, 0; 1998 FM<sub>31</sub>, 2, 1, 0; 1998 FE<sub>122</sub>, 2, 1, 0; 1998 FP<sub>139</sub>, 2, 1, 0; 1998 HB<sub>6</sub>, 2, 1, 0; 1998 HA<sub>125</sub>, 2, 1, 0; 1998 QK<sub>6</sub>, 2, 1, 0; 1998 QT<sub>85</sub>, 2, 1, 0; 1998 RH<sub>49</sub>, 2, 1, 0; 1998 RF<sub>61</sub>, 2, 1, 0; 1998 RH<sub>69</sub>, 2, 1, 0; 1998 RX<sub>75</sub>, 2, 1, 0; 1998 SV<sub>49</sub>, 2, 1, 0; 1998 SQ<sub>85</sub>, 2, 1, 0; 1998 SP<sub>126</sub>, 2, 1, 0; 1998 SV<sub>127</sub>, 2, 1, 0; 1998 SW<sub>146</sub>, 2, 1, 0; 1998 TF<sub>23</sub>, 2, 1, 0; 1998 TN<sub>26</sub>, 2, 1, 0; 1998 TS<sub>33</sub>, 2, 1, 0; 1998 UP<sub>12</sub>, 2, 1, 0; 1998 UJ<sub>26</sub>, 2, 1, 0; 1998 WK<sub>36</sub>, 2, 1, 0; 1998 XC<sub>1</sub>, 2, 1, 0; 1998 YB<sub>32</sub>, 2, 1, 0; 1999 BG<sub>9</sub>, 2, 1, 0; 1999 BH<sub>15</sub>, 2, 1, 0; 1999 CS<sub>10</sub>, 2, 1, 0; 1999 CO<sub>20</sub>, 2, 1, 0; 1999 CK<sub>87</sub>, 2, 1, 0; 1999 CX<sub>109</sub>, 2, 1, 0; 1999 CT<sub>147</sub>, 2, 1, 0; 1999 EP<sub>3</sub>, 2, 1, 0; 1999 FU<sub>44</sub>, 2, 1, 0; 1999 GO<sub>12</sub>, 2, 1, 0; 1999 GZ<sub>54</sub>, 2, 1, 0; 1999 GF<sub>58</sub>, 2, 1, 0; 1999 HZ<sub>6</sub>, 2, 1, 0; 1999 HW<sub>9</sub>, 2, 1, 0; 1999 HG<sub>12</sub>, 3, 2, 1; 1999 JL<sub>72</sub>, 2, 1, 0; 1999 JH<sub>74</sub>, 2, 1, 0; 1999 JL<sub>122</sub>, 2, 1, 0; 1999 JO<sub>131</sub>, 2, 1, 0; 1999 JE<sub>136</sub>, 2, 1, 0; 1999 KH<sub>6</sub>, 2, 1, 0; 1999 KF<sub>10</sub>, 2, 1, 0; 1999 NU<sub>5</sub>, 2, 1, 0; 1999 NN<sub>23</sub>, 2, 1, 0; 1999 NP<sub>27</sub>, 2, 1, 0; 1999 OE<sub>4</sub>, 3, 2, 1; 1999 OF<sub>4</sub>, 3, 2, 1; 1999 RJ<sub>14</sub>, 2, 1, 0; 1999 RD<sub>39</sub>, 2, 1, 0; 1999 RX<sub>76</sub>, 2, 1, 0; 1999 RU<sub>82</sub>, 2, 1, 0; 1999 RD<sub>97</sub>, 2, 1, 0; 1999 RM<sub>138</sub>, 2, 1, 0; 1999 RF<sub>142</sub>, 2, 1, 0; 1999 RA<sub>171</sub>, 2, 1, 0; 1999 RS<sub>175</sub>, 2, 1, 0; 1999 RW<sub>182</sub>, 2, 1, 0; 1999 RB<sub>187</sub>, 2, 1, 0; 1999 RV<sub>210</sub>, 2, 1, 0; 1999 RX<sub>215</sub>, 3, 2, 1; 1999 RL<sub>221</sub>, 2, 1, 0; 1999 RH<sub>258</sub>, 2, 1, 0; 1999 TZ<sub>16</sub>, 2, 1, 0; 1999 TQ<sub>18</sub>, 2, 1, 0; 1999 TH<sub>34</sub>, 2, 1, 0; 1999 TC<sub>54</sub>, 2, 1, 0; 1999 TM<sub>59</sub>, 3, 1, 0; 1999 TD<sub>113</sub>, 2, 1, 0; 1999 TW<sub>124</sub>, 2, 1, 0; 1999 TU<sub>127</sub>, 2, 1, 0; 1999 TV<sub>127</sub>, 2, 1, 0; 1999 TG<sub>130</sub>, 2, 1, 0; 1999 TU<sub>168</sub>, 2, 1, 0; 1999 TN<sub>169</sub>, 2, 1, 0; 1999 TA<sub>186</sub>, 2, 1, 0; 1999 TC<sub>190</sub>, 2, 1, 0; 1999 TF<sub>196</sub>, 2, 1, 0; 1999 TT<sub>219</sub>, 2, 1, 0; 1999 TD<sub>223</sub>, 2, 1, 0; 1999 TZ<sub>245</sub>, 2, 1, 0; 1999 TN<sub>255</sub>, 2, 1, 0; 1999 TD<sub>259</sub>, 2, 1, 0; 1999 TB<sub>266</sub>, 2, 1, 0; 1999 TG<sub>279</sub>, 2, 1, 0; 1999 TM<sub>289</sub>, 2, 1, 0; 1999 TZ<sub>318</sub>, 2, 1, 0; 1999 US<sub>4</sub>, 2, 1, 0; 1999 UB<sub>8</sub>, 2, 1, 0; 1999 UG<sub>20</sub>, 2, 1, 0; 1999 UT<sub>20</sub>, 2, 1, 0; 1999 UD<sub>22</sub>, 2, 1, 0; 1999 UH<sub>49</sub>, 2, 1, 0; 1999 VQ<sub>32</sub>, 2, 1, 0; 1999 VP<sub>42</sub>, 4, 2, 1; 1999 VO<sub>48</sub>, 2, 1, 0; 1999 VK<sub>96</sub>, 2, 1, 0; 1999 VB<sub>98</sub>, 2, 1, 0; 1999 VC<sub>102</sub>, 2, 1, 0; 1999 VP<sub>112</sub>, 2, 1, 0; 1999 VP<sub>115</sub>, 2, 1, 0; 1999 VR<sub>125</sub>, 2, 1, 0; 1999 VH<sub>127</sub>, 2, 1, 0; 1999 VK<sub>140</sub>, 2, 1, 0; 1999 VO<sub>148</sub>, 2, 1, 0; 1999 VA<sub>159</sub>, 2, 1, 0; 1999 VF<sub>161</sub>, 2, 1, 0; 1999 VB<sub>163</sub>, 4, 2, 506; 1999 VH<sub>175</sub>, 4, 2, 1; 1999 VR<sub>208</sub>, 4, 2, 445; 1999 WZ<sub>10</sub>, 2, 1, 0; 1999 WR<sub>12</sub>, 2, 1, 0; 1999 XU<sub>3</sub>, 2, 1, 0; 1999 XN<sub>5</sub>, 2, 1, 0; 1999 XB<sub>14</sub>, 2, 1, 0; 1999 XE<sub>68</sub>, 2, 1, 0; 1999 XZ<sub>118</sub>, 2, 1, 0; 1999 XO<sub>252</sub>, 2, 1, 0; 2000 AZ<sub>2</sub>, 2, 1, 0; 2000 AE<sub>50</sub>, 2, 1, 0; 2000 AF<sub>116</sub>, 2, 1, 0; 2000 AS<sub>135</sub>, 2, 1, 0; 2000 BE<sub>9</sub>, 2, 1, 0; 2000 BU<sub>18</sub>, 2, 1, 0; 2000 BP<sub>20</sub>, 2, 1, 0; 2000 BM<sub>22</sub>, 2, 1, 0; 2000 CH<sub>28</sub>, 2, 1, 0; 2000 CL<sub>35</sub>, 2, 1, 0; 2000 CN<sub>40</sub>, 2, 1, 0; 2000 CM<sub>78</sub>, 2, 1, 0; 2000 CQ<sub>124</sub>, 2, 1, 0; 2000 DZ<sub>1</sub>, 2, 1, 0; 2000 DU<sub>15</sub>, 2, 1, 0; 2000 DW<sub>22</sub>, 2, 1, 0; 2000 DV<sub>25</sub>, 2, 1, 0; 2000 DS<sub>46</sub>, 2, 1, 0; 2000 DL<sub>57</sub>, 2, 1, 0; 2000 DD<sub>61</sub>, 2, 1, 0; 2000 DK<sub>110</sub>, 2, 1, 0; 2000 GA<sub>39</sub>, 2, 1, 0; 2000 GS<sub>115</sub>, 2, 1, 0; 2000 HB<sub>2</sub>, 2, 1, 0; 2000 HD<sub>25</sub>, 2, 1, 0; 2000 HA<sub>58</sub>, 2, 1, 0; 2000 NW<sub>20</sub>, 2, 1, 0; 2000 OJ<sub>15</sub>, 2, 1, 0; 2000 OW<sub>15</sub>, 2, 1, 0; 2000 OW<sub>40</sub>, 2, 1, 0; 2000 OU<sub>55</sub>, 2, 1, 0; 2000 OH<sub>67</sub>, 3, 2, 1; 2000 QO, 2, 1, 0; 2000 QC<sub>16</sub>, 2, 1, 0; 2000 QN<sub>50</sub>, 2, 1, 0; 2000 QQ<sub>56</sub>, 2, 1, 0; 2000 QX<sub>93</sub>, 2, 1, 0; 2000 QT<sub>113</sub>, 2, 1, 0; 2000 QF<sub>149</sub>, 2, 1, 0; 2000 QH<sub>149</sub>, 2, 1, 0; 2000 QA<sub>163</sub>, 2, 1, 0; 2000 QA<sub>201</sub>, 3, 2, 1; 2000 QW<sub>203</sub>, 2, 1, 0; 2000 QB<sub>217</sub>, 2, 1, 0; 2000 QC<sub>226</sub>, 3, 2, 1; 2000 RP<sub>6</sub>, 2, 1, 0; 2000 RQ<sub>9</sub>, 2, 1, 0; 2000 RM<sub>17</sub>, 2, 1, 0; 2000 RC<sub>22</sub>, 2, 1, 0; 2000 RJ<sub>26</sub>, 2, 1, 0; 2000 RZ<sub>26</sub>, 2, 1, 0; 2000 RR<sub>27</sub>, 2, 1, 0; 2000 RE<sub>31</sub>, 2, 1, 0; 2000 RU<sub>43</sub>, 2, 1, 0; 2000 RA<sub>60</sub>, 2, 1, 0; 2000 RB<sub>79</sub>, 2, 1, 0; 2000 RO<sub>80</sub>, 2, 1, 0; 2000 SQ<sub>36</sub>, 2, 1, 0; 2000 SL<sub>38</sub>, 2, 1, 0; 2000 SX<sub>41</sub>, 2, 1, 0; 2000 SA<sub>49</sub>, 2, 1, 0; 2000 SY<sub>58</sub>, 2, 1, 0; 2000 SO<sub>69</sub>, 2, 1, 0; 2000 SW<sub>81</sub>, 3, 2, 1; 2000 SP<sub>108</sub>, 2, 1, 0; 2000 SR<sub>108</sub>, 2, 1, 0; 2000 SL<sub>110</sub>, 2, 1, 0; 2000 SX<sub>115</sub>, 2, 1, 0; 2000 SN<sub>117</sub>, 2, 1, 0; 2000 SK<sub>137</sub>, 2, 1, 0; 2000 SV<sub>139</sub>, 2, 1, 0; 2000 SZ<sub>144</sub>, 2, 1, 0; 2000 ST<sub>152</sub>, 2,

1, 0; 2000 SH<sub>166</sub>, 3, 2, 1; 2000 SJ<sub>167</sub>, 2, 1, 0; 2000 SZ<sub>170</sub>, 2, 1, 0; 2000 SH<sub>171</sub>, 2, 1, 0; 2000 SC<sub>201</sub>, 2, 1, 0; 2000 ST<sub>202</sub>, 2, 1, 0; 2000 SH<sub>230</sub>, 2, 1, 0; 2000 SL<sub>290</sub>, 2, 1, 0; 2000 SW<sub>304</sub>, 2, 1, 0; 2000 ST<sub>309</sub>, 2, 1, 0; 2000 SN<sub>334</sub>, 2, 1, 0; 2000 SE<sub>364</sub>, 2, 1, 0; 2000 TU<sub>14</sub>, 3, 2, 1; 2000 TO<sub>34</sub>, 2, 1, 0; 2000 TR<sub>55</sub>, 2, 1, 0; 2000 TA<sub>60</sub>, 2, 1, 0; 2000 UM<sub>15</sub>, 2, 1, 0; 2000 UG<sub>21</sub>, 2, 1, 0; 2000 UQ<sub>25</sub>, 2, 1, 0; 2000 UR<sub>37</sub>, 4, 2, 3; 2000 UK<sub>48</sub>, 2, 1, 0; 2000 UD<sub>50</sub>, 2, 1, 0; 2000 UK<sub>80</sub>, 3, 1, 0; 2000 UE<sub>83</sub>, 2, 1, 0; 2000 UT<sub>99</sub>, 2, 1, 0; 2000 UN<sub>107</sub>, 2, 1, 0; 2000 UZ<sub>109</sub>, 2, 1, 0; 2000 UF<sub>112</sub>, 2, 1, 0; 2000 VQ<sub>9</sub>, 3, 2, 1; 2000 VK<sub>10</sub>, 2, 1, 0; 2000 VE<sub>11</sub>, 2, 1, 0; 2000 VU<sub>15</sub>, 2, 1, 0; 2000 VL<sub>23</sub>, 2, 1, 0; 2000 VQ<sub>30</sub>, 2, 1, 0; 2000 VN<sub>42</sub>, 2, 1, 0; 2000 WC<sub>21</sub>, 2, 1, 0; 2000 WX<sub>32</sub>, 2, 1, 0; 2000 WT<sub>34</sub>, 2, 1, 0; 2000 WQ<sub>35</sub>, 2, 1, 0; 2000 WO<sub>39</sub>, 2, 1, 0; 2000 WX<sub>87</sub>, 3, 2, 1; 2000 WY<sub>90</sub>, 4, 2, 1; 2000 WC<sub>103</sub>, 2, 1, 0; 2000 WS<sub>113</sub>, 2, 1, 0; 2000 WU<sub>134</sub>, 2, 1, 0; 2000 WB<sub>136</sub>, 2, 1, 0; 2000 WO<sub>161</sub>, 2, 1, 0; 2000 WY<sub>163</sub>, 4, 2, 2; 2000 XV<sub>5</sub>, 2, 1, 0; 2000 XE<sub>21</sub>, 2, 1, 0; 2000 XE<sub>22</sub>, 2, 1, 0; 2000 XV<sub>26</sub>, 2, 1, 0; 2000 XJ<sub>35</sub>, 2, 1, 0; 2000 XC<sub>44</sub>, 2, 1, 0; 2000 YC<sub>4</sub>, 2, 1, 0; 2000 YR<sub>32</sub>, 2, 1, 0; 2000 YB<sub>34</sub>, 2, 1, 0; 2000 YN<sub>37</sub>, 2, 1, 0; 2000 YC<sub>39</sub>, 2, 1, 0; 2000 YL<sub>46</sub>, 2, 1, 0; 2000 YG<sub>55</sub>, 3, 1, 0; 2000 YF<sub>63</sub>, 2, 1, 0; 2000 YO<sub>76</sub>, 4, 2, 421; 2000 YR<sub>78</sub>, 2, 1, 0; 2000 YD<sub>79</sub>, 2, 1, 0; 2000 YQ<sub>97</sub>, 2, 1, 0; 2000 YL<sub>107</sub>, 2, 1, 0; 2000 YX<sub>118</sub>, 2, 1, 0; 2000 YS<sub>135</sub>, 2, 1, 0; 2000 YF<sub>138</sub>, 2, 1, 0; 2001 AA<sub>21</sub>, 2, 1, 0; 2001 AQ<sub>33</sub>, 2, 1, 0; 2001 BG<sub>28</sub>, 2, 1, 0; 2001 BE<sub>34</sub>, 2, 1, 0; 2001 BD<sub>47</sub>, 3, 1, 0; 2001 BU<sub>50</sub>, 2, 1, 0; 2001 BC<sub>52</sub>, 4, 1, 0; 2001 BC<sub>58</sub>, 2, 1, 0; 2001 BW<sub>76</sub>, 2, 1, 0; 2001 BL<sub>76</sub>, 4, 2, 1; 2001 CJ<sub>10</sub>, 2, 1, 0; 2001 CQ<sub>13</sub>, 2, 1, 0; 2001 CT<sub>14</sub>, 3, 2, 1; 2001 CF<sub>31</sub>, 2, 1, 0; 2001 DX<sub>2</sub>, 1, 0; 2001 DT<sub>2</sub>, 2, 1, 0; 2001 DR<sub>35</sub>, 2, 1, 0; 2001 DM<sub>57</sub>, 2, 1, 0; 2001 DR<sub>65</sub>, 2, 1, 0; 2001 DW<sub>67</sub>, 2, 1, 0; 2001 DX<sub>69</sub>, 2, 1, 0; 2001 DD<sub>106</sub>, 2, 2, 1; 2001 ER<sub>7</sub>, 2, 1, 0; 2001 EQ<sub>18</sub>, 2, 1, 0; 2001 FJ<sub>3</sub>, 2, 1, 0; 2001 FA<sub>42</sub>, 2, 1, 0; 2001 FJ<sub>42</sub>, 2, 1, 0; 2001 FK<sub>69</sub>, 2, 1, 0; 2001 FP<sub>70</sub>, 2, 1, 0; 2001 FN<sub>73</sub>, 2, 1, 0; 2001 FY<sub>108</sub>, 2, 1, 0; 2001 FA<sub>156</sub>, 2, 1, 0; 2001 FO<sub>185</sub>, 2, 1, 0; 2001 GU<sub>1</sub>, 2, 1, 0; 2001 HD<sub>21</sub>, 2, 1, 0; 2001 UA<sub>25</sub>, 2, 1, 0; 2001 HR<sub>61</sub>, 2, 1, 0; 2001 OR<sub>13</sub>, 2, 1, 0; 2001 OO<sub>72</sub>, 3, 2, 1; 2001 QD<sub>298</sub>, 3, 2, 1; 2001 QH<sub>298</sub>, 2, 1, 0; 2001 QG<sub>303</sub>, 2, 1, 0; 2001 QT<sub>306</sub>, 2, 1, 0; 2001 QS<sub>307</sub>, 2, 1, 0; 2001 QA<sub>311</sub>, 2, 1, 0; 2001 QA<sub>322</sub>, 2, 1, 0; 2001 QT<sub>322</sub>, 3, 2, 1; 2001 RA<sub>21</sub>, 2, 1, 0; 2001 RM<sub>25</sub>, 2, 1, 0; 2001 RC<sub>28</sub>, 2, 1, 0; 2001 RJ<sub>42</sub>, 2, 1, 0; 2001 RJ<sub>111</sub>, 2, 1, 0; 2001 RD<sub>113</sub>, 2, 1, 0; 2001 RD<sub>124</sub>, 2, 1, 0; 2001 SL<sub>5</sub>, 2, 1, 0; 2001 SY<sub>28</sub>, 3, 2, 1; 2001 SO<sub>67</sub>, 2, 1, 0; 2001 SW<sub>167</sub>, 2, 1, 0; 2001 SD<sub>173</sub>, 2, 1, 0; 2001 SX<sub>183</sub>, 2, 1, 0; 2001 SS<sub>191</sub>, 2, 1, 0; 2001 SZ<sub>191</sub>, 6, 2, 90; 2001 SJ<sub>195</sub>, 2, 1, 0; 2001 SB<sub>210</sub>, 2, 1, 0; 2001 SH<sub>251</sub>, 2, 1, 0; 2001 SU<sub>266</sub>, 2, 1, 0; 2001 SX<sub>268</sub>, 2, 1, 0; 2001 SC<sub>302</sub>, 2, 1, 0; 2001 TR<sub>26</sub>, 4, 1, 0; 2001 TJ<sub>120</sub>, 2, 1, 0; 2001 TA<sub>159</sub>, 2, 1, 0; 2001 TZ<sub>181</sub>, 2, 1, 0; 2001 TN<sub>182</sub>, 2, 1, 0; 2001 TE<sub>190</sub>, 2, 1, 0; 2001 TS<sub>212</sub>, 2, 1, 0; 2001 UU<sub>6</sub>, 2, 1, 0; 2001 UG<sub>8</sub>, 2, 1, 0; 2001 UA<sub>25</sub>, 2, 1, 0; 2001 UZ<sub>33</sub>, 2, 1, 0; 2001 UY<sub>42</sub>, 2, 1, 0; 2001 UC<sub>52</sub>, 2, 1, 0; 2001 UL<sub>93</sub>, 2, 1, 0; 2001 UF<sub>100</sub>, 2, 1, 0; 2001 UR<sub>105</sub>, 2, 1, 0; 2001 UZ<sub>134</sub>, 2, 1, 0; 2001 UU<sub>151</sub>, 2, 1, 0; 2001 UT<sub>174</sub>, 2, 1, 0; 2001 UN<sub>188</sub>, 2, 1, 0; 2001 UY<sub>199</sub>, 2, 1, 0; 2001 UL<sub>213</sub>, 2, 1, 0; 2001 UL<sub>216</sub>, 2, 1, 0; 2001 UY<sub>221</sub>, 2, 1, 0; 2001 VJ<sub>28</sub>, 2, 1, 0; 2001 VR<sub>33</sub>, 2, 1, 0; 2001 VT<sub>42</sub>, 3, 2, 1; 2001 VP<sub>80</sub>, 3, 2, 1; 2001 WV<sub>35</sub>, 2, 1, 0; 2001 WE<sub>46</sub>, 2, 1, 0; 2001 WW<sub>76</sub>, 2, 1, 0; 2001 WE<sub>99</sub>, 2, 1, 0; 2001 XR<sub>6</sub>, 2, 1, 0; 2001 XD<sub>41</sub>, 2, 1, 0; 2001 XC<sub>42</sub>, 4, 2, 1; 2001 XY<sub>63</sub>, 2, 1, 0; 2001 XY<sub>81</sub>, 2, 1, 0; 2001 XZ<sub>87</sub>, 2, 1, 0; 2001 XQ<sub>89</sub>, 2, 1, 0; 2001 XO<sub>91</sub>, 2, 1, 0; 2001 XR<sub>98</sub>, 2, 1, 0; 2001 XC<sub>99</sub>, 2, 1, 0; 2001 XS<sub>117</sub>, 2, 1, 0; 2001 XW<sub>126</sub>, 2, 1, 0; 2001 XA<sub>140</sub>, 2, 1, 0; 2001 XF<sub>162</sub>, 2, 1, 0; 2001 XT<sub>188</sub>, 2, 1, 0; 2001 XY<sub>193</sub>, 2, 1, 0; 2001 XJ<sub>204</sub>, 2, 1, 0; 2001 XG<sub>216</sub>, 2, 1, 0; 2001 XV<sub>222</sub>, 2, 1, 0; 2001 XJ<sub>227</sub>, 2, 1, 0; 2001 XZ<sub>230</sub>, 2, 1, 0; 2001 XM<sub>239</sub>, 2, 1, 0; 2001 XA<sub>241</sub>, 3, 2, 1; 2001 XQ<sub>252</sub>, 2, 1, 0; 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{3} 2000 HA<sub>60</sub>, 3, 1, 0; 2002 GP<sub>92</sub>, 4, 1, 0; 2002 GF<sub>137</sub>, 5, 1, 0; 2002 JV<sub>81</sub>, 3, 1, 0; 2002 SD<sub>43</sub>, 3, 1, 0; [18, 5, 0\*, 2000/03/08–2003/03/31]

{6} 1999 FK<sub>21</sub>, 1, 1, 0; 1999 XX<sub>262</sub>, 6, 2, 1; 2000 CF<sub>59</sub>, 2, 1, 0; 2001 FZ<sub>57</sub>, 12, 4, 16; 2001 LO<sub>7</sub>, 3, 1, 0; 2001 VB<sub>76</sub>, 7, 3, 45; 2001 XP<sub>1</sub>, 1, 1, 0; 2001 YX<sub>11</sub>, 2, 2, 1; 2002 AT<sub>4</sub>, 1, 1, 0; 2002 AF<sub>29</sub>, 5, 2, 9; 2002 CB<sub>12</sub>, 3, 1, 0; 2002 CV<sub>59</sub>, 2, 2, 21; 2002 FB<sub>3</sub>, 6, 2, 1; 2002 FS<sub>4</sub>, 1, 1, 0; 2002 FW<sub>5</sub>, 3, 1, 0; 2002 FG<sub>7</sub>, 2, 1, 0; 2002 GO<sub>5</sub>, 3, 1, 0; 2002 HP<sub>11</sub>, 1, 1, 0; 2002 HK<sub>12</sub>, 6, 2, 5; (4660), 1, 1, 0; (10165), 3, 1, 0; (36284), 1, 1, 0; (38239), 2, 2, 1; (41429), 1, 1, 0; (52689), 3, 1, 0; [78, 25, 0\*, 2002/02/20–2002/05/23]

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0.5-m  $f/7.5$  double astrograph + CCD  
USNO-SA2.0

2003 RB, 4, 1, 0; (5894), 2, 1, 0; (5990), 1, 1, 0; [7, 3, 0\*, 1994/03/19–2003/09/01]

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A. Boattini, Istituto di Astrofisica Spaziale, Via Fosso del Cavaliere, I-00133 Rome,  
Italy [boattini@ias.rm.cnr.it] (9)

R. Behrend, Geneva Observatory, CH-1290 Sauverny, Switzerland  
[raoul.behrend@obs.unige.ch] (20)

P. J. Groot, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,  
Cambridge, MA 02138, U.S.A. [pgroot@cfa.harvard.edu] (26)

Observers C. Cavadore, G. Pizarro, O. Pizarro, C.-I. Lagerkvist, M. Lindgren,  
A. D'Alessandro, A. Boattini, R. Behrend, P. J. Groot

Measurers C. Cavadore, O. Hernius, C.-I. Lagerkvist, E. W. Elst, A. Boattini,  
G. Hahn, M. Carpino, R. Behrend, P. J. Groot

1.20-m  $f/10$  Cassegrain + CCD, 2.2-m reflector + CCD, 1.0-m Schmidt  
UCAC-1, Tycho-2, UCAC-2, USNO-SA2.0, USNO-A2.0

{20} 2001 CB<sub>13</sub>, 8, 2, 1; 2003 NW<sub>1</sub>, 5, 2, 1; 2003 NA<sub>7</sub>, 3, 1, 0; 2003 NJ<sub>7</sub>, 4, 1, 0; 2003 NL<sub>7</sub>, 7, 2, 4; 2003 NM<sub>7</sub>, 4, 1, 0; 2003 NO<sub>7</sub>, 12, 2, 1; 2003 NP<sub>7</sub>, 5, 2, 1; 2003 NW<sub>7</sub>, 6, 2, 1; (96), 3, 1, 0; (379), 3, 1, 0; (420), 3, 1, 0; (794), 3, 1, 0; (1263), 3, 1, 0; (2105), 3, 1, 0; (2631), 4, 1, 0; [76, 16, 0\*, 2003/07/06–2003/07/18]

{1} 2000 AQ<sub>196</sub>, 4, 1, 0; 2002 NF<sub>39</sub>, 3, 1, 0; (181), 3, 1, 0; (978), 3, 1, 0; [13, 4, 0\*, 2000/02/14–2003/07/10]

{4} 1992 RL<sub>4</sub>, 3, 1, 0; 1993 JE<sub>1</sub>, 3, 1, 0; 1993 TD<sub>33</sub>, 3, 1, 0; 1993 TT<sub>48</sub>, 3, 1, 0; 1994 PZ<sub>20</sub>, 6, 2, 1; 1996 AJ<sub>18</sub>, 3, 1, 0; 1997 AN<sub>20</sub>, 3, 1, 0; 1997 LQ<sub>9</sub>, 3, 1, 0; 1997 WG<sub>28</sub>, 3, 1, 0; 1998 FE<sub>14</sub>, 3, 1, 0; 1998 GY<sub>10</sub>, 3, 1, 0; 1998 SZ<sub>78</sub>, 9, 3, 6; 1998 SD<sub>90</sub>, 6, 2, 10; 1998 WG<sub>33</sub>, 3, 1, 0; 1999 AS<sub>10</sub>, 3, 1, 0; 1999 CR<sub>14</sub>, 3, 1, 0; 1999 VL<sub>162</sub>, 3, 1, 0; 2000 CB<sub>9</sub>, 3, 1, 0; 2000 EV<sub>56</sub>, 3, 1, 0; 2000 ET<sub>78</sub>, 3, 1, 0; 2000 FF<sub>62</sub>, 3, 1, 0; 2000 GO<sub>6</sub>, 3, 1, 0; 2000 GQ<sub>112</sub>, 3, 1, 0; 2000 GM<sub>155</sub>, 3, 1, 0; 2000 HP<sub>66</sub>, 3, 1, 0; 2000 QM<sub>116</sub>, 3, 1, 0; 2000 QV<sub>134</sub>, 3, 1, 0; 2000 QV<sub>141</sub>, 3, 1, 0; 2000 SP<sub>107</sub>, 3, 1, 0;

2000 SV<sub>267</sub>, 3, 1, 0; 2000 TW<sub>18</sub>, 3, 1, 0; 2000 TW<sub>21</sub>, 3, 1, 0; 2000 UN<sub>62</sub>, 3, 1, 0; 2000 YQ<sub>77</sub>, 3, 1, 0; 2000 YA<sub>113</sub>, 3, 1, 0; 2001 AL<sub>8</sub>, 3, 1, 0; 2001 CH<sub>19</sub>, 3, 1, 0; 2001 DU<sub>60</sub>, 3, 1, 0; 2001 DH<sub>95</sub>, 3, 1, 0; 2001 EC<sub>26</sub>, 3, 1, 0; 2001 FY<sub>18</sub>, 3, 1, 0; 2001 FF<sub>189</sub>, 3, 1, 0; 2001 HY<sub>20</sub>, 3, 1, 0; 2001 KQ<sub>24</sub>, 3, 1, 0; 2001 KP<sub>26</sub>, 3, 1, 0; 2001 OO<sub>110</sub>, 6, 2, 1; 2001 PZ<sub>22</sub>, 3, 1, 0; 2001 QH<sub>14</sub>, 3, 1, 0; 2001 QK<sub>43</sub>, 3, 1, 0; 2001 QE<sub>81</sub>, 3, 1, 0; 2001 QD<sub>138</sub>, 3, 1, 0; 2001 QQ<sub>232</sub>, 3, 1, 0; 2001 QD<sub>315</sub>, 3, 1, 0; 2001 RZ<sub>66</sub>, 3, 1, 0; 2001 RM<sub>77</sub>, 3, 1, 0; 2001 RD<sub>114</sub>, 3, 1, 0; 2001 RU<sub>124</sub>, 3, 1, 0; 2001 SW<sub>4</sub>, 3, 1, 0; 2001 SE<sub>16</sub>, 3, 1, 0; 2001 SC<sub>60</sub>, 3, 1, 0; 2001 SZ<sub>136</sub>, 3, 1, 0; 2001 SA<sub>140</sub>, 3, 1, 0; 2001 SG<sub>161</sub>, 3, 1, 0; 2001 SP<sub>237</sub>, 3, 1, 0; 2001 TB<sub>105</sub>, 3, 1, 0; 2001 TL<sub>227</sub>, 3, 1, 0; 2001 TF<sub>239</sub>, 3, 1, 0; 2001 UF<sub>4</sub>, 3, 1, 0; 2001 UE<sub>53</sub>, 3, 1, 0; 2001 UM<sub>91</sub>, 3, 1, 0; 2001 UM<sub>114</sub>, 3, 1, 0; 2001 WX<sub>17</sub>, 3, 1, 0; 2001 WZ<sub>73</sub>, 3, 1, 0; 2001 XT<sub>41</sub>, 3, 1, 0; 2002 CC<sub>142</sub>, 3, 1, 0; 2002 CL<sub>148</sub>, 3, 1, 0; 2002 CH<sub>242</sub>, 3, 1, 0; 2002 EM<sub>88</sub>, 3, 1, 0; 2002 EK<sub>89</sub>, 3, 1, 0; 2002 EX<sub>123</sub>, 3, 1, 0; 2002 GK<sub>2</sub>, 3, 1, 0; 2002 JS<sub>50</sub>, 3, 1, 0; 2002 JS<sub>79</sub>, 3, 1, 0; 2002 JN<sub>105</sub>, 3, 1, 0; 2002 RK<sub>24</sub>, 4, 2, 11; 2002 RF<sub>58</sub>, 6, 2, 10; 2002 RM<sub>126</sub>, 3, 1, 0; 2002 RT<sub>180</sub>, 6, 2, 3; 2002 SR<sub>1</sub>, 3, 1, 0; 2002 SS<sub>37</sub>, 3, 1, 0; 2002 SF<sub>45</sub>, 3, 1, 0; 2002 TX<sub>57</sub>, 9, 3, 12; 2002 TE<sub>62</sub>, 6, 2, 1; 2002 TD<sub>124</sub>, 3, 1, 0; 2002 TL<sub>142</sub>, 3, 1, 0; 2002 TW<sub>231</sub>, 3, 1, 0; 2002 UE<sub>1</sub>, 6, 2, 5; 2002 VW<sub>49</sub>, 3, 1, 0; 2002 VU<sub>89</sub>, 6, 2, 1; 2002 VT<sub>119</sub>, 3, 1, 0; 2002 XS<sub>26</sub>, 3, 1, 0; 2002 XM<sub>87</sub>, 3, 1, 0; 2002 YQ<sub>20</sub>, 3, 1, 0; 2003 BS<sub>17</sub>, 3, 1, 0; 2003 EB<sub>16</sub>, 6, 2, 1; 2003 GN<sub>54</sub>, 3, 1, 0; 2003 HO<sub>11</sub>, 3, 1, 0; 2003 OP<sub>29</sub>, 3, 1, 0; 2003 PG<sub>12</sub>, 3, 1, 0; 2003 QB<sub>52</sub>, 3, 1, 0; 4797 P-L, 3, 1, 0; (10649), 3, 1, 0; (14103), 1, 1, 0; (34591), 1, 1, 0; (36193), 6, 2, 13; (38116), 1, 1, 0; (39427), 2, 1, 0; (43612), 3, 1, 0; (43660), 3, 1, 0; (48291), 4, 2, 7; (52009), 3, 1, 0; (56171), 3, 1, 0; (57728), 3, 1, 0; (61049), 3, 1, 0; (61500), 3, 1, 0; (63648), 3, 1, 0; (64406), 3, 1, 0; (64904), 3, 1, 0; (65245), 3, 1, 0; [424, 129, 0\*, 1992/07/31–1998/09/20]

{8} 1996 RZ<sub>26</sub>, 1, 1, 0; 1998 FP<sub>139</sub>, 1, 1, 0; 1998 VC<sub>42</sub>, 1, 1, 0; 1998 WB<sub>21</sub>, 1, 1, 0; 1999 RO<sub>54</sub>, 7, 7, 29; 1999 RQ<sub>159</sub>, 6, 5, 4; 1999 RN<sub>164</sub>, 1, 1, 0; 1999 UR<sub>45</sub>, 1, 1, 0; 1999 VS<sub>178</sub>, 1, 1, 0; 2000 DH<sub>98</sub>, 2, 2, 1; 2000 HO<sub>97</sub>, 1, 1, 0; 2000 KF<sub>38</sub>, 2, 1, 0; 2001 OD<sub>57</sub>, 2, 2, 5; 2001 QP<sub>162</sub>, 1, 1, 0; 2001 RB<sub>137</sub>, 1, 1, 0; 2001 RO<sub>139</sub>, 1, 1, 0; 2001 SG<sub>121</sub>, 3, 3, 6; 2001 SO<sub>247</sub>, 1, 1, 0; 2001 TT<sub>97</sub>, 1, 1, 0; 2001 TW<sub>122</sub>, 1, 1, 0; 2001 TD<sub>229</sub>, 6, 4, 23; 2001 UR<sub>67</sub>, 1, 1, 0; 2001 XS<sub>58</sub>, 1, 1, 0; 2002 JX<sub>42</sub>, 1, 1, 0; 2002 JH<sub>73</sub>, 4, 2, 3; 2002 LW<sub>47</sub>, 5, 4, 8; 2002 NJ<sub>21</sub>, 2, 1, 0; 2002 OK<sub>12</sub>, 2, 1, 0; 2002 PA<sub>15</sub>, 2, 1, 0; 2002 QW<sub>41</sub>, 4, 4, 5; 2002 QM<sub>45</sub>, 1, 1, 0; 2002 QU<sub>45</sub>, 2, 2, 1; 2002 RJ<sub>123</sub>, 1, 1, 0; 2002 SQ<sub>55</sub>, 1, 1, 0; 2002 TX<sub>33</sub>, 9, 8, 34; 2002 TU<sub>240</sub>, 1, 1, 0; 2002 XY<sub>1</sub>, 2, 2, 4; 2002 XR<sub>6</sub>, 1, 1, 0; 2002 XP<sub>101</sub>, 1, 1, 0; 2002 YG<sub>1</sub>, 2, 2, 1; 2003 AD<sub>28</sub>, 2, 2, 5; 2003 AY<sub>28</sub>, 1, 1, 0; 2003 AR<sub>53</sub>, 2, 2, 4; 2003 AA<sub>76</sub>, 1, 1, 0; 2003 BO<sub>63</sub>, 1, 1, 0; 2003 GN<sub>37</sub>, 1, 1, 0; 2003 HE<sub>54</sub>, 1, 1, 0; 2003 MX<sub>1</sub>, 1, 1, 0; 2003 NK<sub>9</sub>, 14, 12, 31; 2003 OP<sub>8</sub>, 1, 1, 0; 2003 QW<sub>5</sub>, 2, 2, 2; 2003 QA<sub>12</sub>, 10, 8, 29; 2003 QK<sub>12</sub>, 4, 3, 2; 2003 QE<sub>57</sub>, 12, 9, 28; (13910), 1, 1, 0; (14606), 2, 2, 5; (15121), 2, 2, 4; (15140), 1, 1, 0; (15171), 3, 3, 5; (15326), 1, 1, 0; (15517), 1, 1, 0; (15569), 1, 1, 0; (15672), 1, 1, 0; (16029), 3, 3, 4; (16166), 1, 1, 0; (16203), 1, 1, 0; (16209), 3, 3, 3; (16271), 1, 1, 0; (16929), 2, 1, 0; (17245), 2, 2, 35; (17288), 3, 3, 37; (17461), 1, 1, 0; (17790), 2, 2, 3; (17805), 1, 1, 0; (17912), 1, 1, 0; (18087), 1, 1, 0; (18095), 1, 1, 0; (18142), 2, 2, 5; (18161), 1, 1, 0; (18570), 1, 1, 0; (18645), 2, 2, 1; (18949), 1, 1, 0; (18955), 1, 1, 0; (20611), 1, 1, 0; (23214), 1, 1, 0; (23439), 2, 2, 5; (24159), 2, 2, 33; (24274), 2, 2, 1; (24297), 3, 3, 9; (24432), 2, 2, 29; (26146), 2, 2, 5; (26406), 1, 1, 0; (26605), 2, 2, 34; (32483), 2, 2, 3; (32808), 1, 1, 0; (50326), 1, 1, 0; (52036), 3, 3, 8; (54456), 1, 1, 0; (57456), 2, 2, 1; (57606), 2, 2, 7; (57904), 1, 1, 0; (58066), 2, 2, 1; (58172), 1, 1, 0; (58725), 1, 1, 0; (58961), 1, 1, 0; (61215), 1, 1, 0; (61390), 1, 1, 0; (62154), 1, 1, 0; (62675), 1, 1, 0; (62682), 1, 1, 0; (64631), 1, 1, 0; (64723), 1, 1, 0; (65227), 2, 1, 0; (65245), 1, 1, 0; [228, 114, 0\*, 1992/02/29–1998/03/02]

{9} 1998 TG<sub>28</sub>, 3, 1, 0; 1999 XP<sub>15</sub>, 3, 1, 0; 2000 ES<sub>9</sub>, 3, 1, 0; 2002 LK<sub>49</sub>, 3, 1, 0; 2003 AC<sub>42</sub>, 3, 1, 0; [15, 5, 0\*, 2002/06/03–2003/01/25]

{26} 2002 OD<sub>4</sub>, 4, 1, 0; [4, 1, 0\*, 2001/07/21]

### 816 Rand Observatory

G. R. Viscome, 30 Hyland Avenue, Lake Placid, NY 12946, U.S.A.  
[GeorgeV@nct.org]

0.37-m  $f/6$  reflector + CCD  
USNO-SA1.0

2001 QU<sub>139</sub>, 4, 1, 0; [4, 1, 0\*, 1996/09/21]

### 817 Sudbury

D. di Cicco, Sky & Telescope, Cambridge, MA 02138, U.S.A.  
[dicicco@skypub.com]

0.41-m Schmidt-Cassegrain + CCD  
GSC

(23749), 2, 1, 0; [2, 1, 0\*, 1997/01/15]



**824 Lake Clear**

K. A. Williams, RD #1 Box 277, Forest Home Road, Lake Clear, NY 12945,  
U.S.A. [kenwill@NorthNet.org]

0.41-m  $f/5.0$  reflector + CCD

GSC

(43989), 3, 1, 0; [3, 1, 0\*, 1998/09/29]

**837 Jupiter**

B. A. Segal, 3084 NW 63 Street, Boca Raton, FL 33496, U.S.A.

[astrobas@gate.net]

Observer L. Sikes

Measurer B. A. Segal

0.36-m  $f/11$  Schmidt-Cassegrain + CCD

USNO-SA2.0

(60432), 1, 1, 0; [1, 1, 0\*, 2000/04/22]

**842 Gettysburg College Observatory**

G. A. Snyder, Gettysburg College, 300 N. Washington Street, Gettysburg,

PA 17325, U.S.A. [gsnyder@gettysburg.edu]

Observers L. Marschall, R. Elliott

Measurers G. A. Snyder, R. Elliott

0.4-m  $f/11$  reflector + CCD

USNO-A2.0

(391), 3, 1, 0; (4194), 3, 1, 0; [6, 2, 0\*, 2003/06/10]

**843 Emerald Lane Observatory, Decatur**

L. C. Ball, 4311 Emerald Lane, Decatur, AL 35603, U.S.A. [elo843@charter.net]

0.41-m  $f/6.2$  Schmidt-Cassegrain + CCD

GSC-1.2, USNO-SA2.0

1998 HD<sub>22</sub>, 7, 2, 1; 1999 JE<sub>63</sub>, 3, 1, 0; 1999 RZ<sub>190</sub>, 4, 1, 0; 2000 AP<sub>116</sub>, 3, 1, 0; 2000 AX<sub>123</sub>, 4, 1, 0; 2000 PS<sub>8</sub>, 3, 1, 0; 2000 QD<sub>25</sub>, 4, 1, 0; 2000 RE<sub>75</sub>, 3, 1, 0; 2000 SR<sub>89</sub>, 4, 1, 0; 2000 TV<sub>33</sub>, 4, 1, 0; 2000 UH<sub>109</sub>, 3, 1, 0; 2000 WN<sub>3</sub>, 7, 2, 6; 2002 CZ<sub>57</sub>, 3, 1, 0; 2002 DK<sub>5</sub>, 3, 1, 0; 2002 DH<sub>10</sub>, 4, 1, 0; 2002 ET<sub>89</sub>, 3, 1, 0; 2002 JZ<sub>10</sub>, 3, 1, 0; 2003 KU<sub>16</sub>, 3, 1, 0; 2003 OV<sub>7</sub>, 2, 1, 0; 2003 QZ<sub>28</sub>, 6, 2, 1; 2003 QA<sub>29</sub> \*, 9, 3, 2; (56357), 3, 1, 0; [88, 22, 1\*, 2001/05/17–2003/08/26]

**850 Cordell-Lorenz Observatory, Sewanee**

D. T. Durig, SPO 1242, Sewanee, TN 37383, U.S.A. [ddurig@sewanee.edu]

Observers D. T. Durig, M. A. Farr

Measurers D. T. Durig, B. S. Blackburn

0.30-m  $f/5.86$  Schmidt-Cassegrain + CCD

USNO-A2.0

1999 TH<sub>111</sub>, 7, 2, 1; 2000 AG<sub>166</sub>, 9, 2, 2; 2000 AR<sub>198</sub>, 6, 2, 1; 2000 QN<sub>127</sub>, 9, 2, 1; 2002 CQ<sub>46</sub>, 19, 5, 58; 2003 MR \*, 9, 2, 2; 2003 MF<sub>1</sub>, 5, 1, 0; 2003 OJ<sub>20</sub>, 4, 1, 0; 2003 QZ<sub>30</sub>, 2, 1, 0; [70, 9, 1\*, 2003/06/21–2003/08/26]

**854 Sabino Canyon Observatory, Tucson**

J. E. McGaha, 5100 Sabino Foothills, Tucson, AZ 85750, U.S.A.

[mcgaha@skepticus.com]

0.30-m  $f/10.0$  Schmidt-Cassegrain + CCD

USNO-A2.0

2003 LN<sub>6</sub>, 3, 1, 0; 2003 LO<sub>6</sub>, 3, 1, 0; 2003 MS, 3, 1, 0; 2003 MT, 3, 1, 0; 2003 MU, 3, 1, 0; 2003 ME<sub>1</sub>, 3, 1, 0; 2003 MF<sub>1</sub>, 3, 1, 0; 2003 MX<sub>2</sub>, 1, 1, 0; 2003 MZ<sub>2</sub>, 3, 1, 0; 2003 MA<sub>3</sub>, 3, 1, 0; 2003 MW<sub>7</sub>, 4, 1, 0; 2003 OQ<sub>13</sub>, 3, 1, 0; 2003 OR<sub>13</sub>, 3, 1, 0; 2003 OW<sub>16</sub>, 2, 1, 0; 2003 OX<sub>16</sub>, 2, 1, 0; 2003 OY<sub>16</sub>, 2, 1, 0; 2003 QC<sub>10</sub>, 4, 1, 0; 2003 RL, 5, 1, 0; 2003 RY<sub>5</sub>, 3, 1, 0; 2003 RZ<sub>5</sub>, 3, 1, 0; 2003 RA<sub>6</sub>, 2, 1, 0; 2003 RD<sub>6</sub>, 2, 1, 0; 2003 RX<sub>7</sub>, 3, 1, 0; 2003 RP<sub>8</sub>, 2, 1, 0; 2003 RQ<sub>8</sub>, 3, 1, 0; 2003 RR<sub>8</sub>, 3, 1, 0; 2003 RS<sub>8</sub>, 3, 1, 0; [77, 27, 0\*, 2003/06/11–2003/09/08]

**858 Tebbutt Observatory, Edgewood**

F. B. Zoltowski, Tebbutt Observatory, 70 Abajo Dr., Edgewood, NM 87015, U.S.A.  
[fbzolt@compuserve.com]

0.3-m  $f/8.2$  Schmidt-Cassegrain + CCD

USNO-A2.0

2003 KW<sub>16</sub>, 3, 1, 0; 2003 KX<sub>16</sub>, 2, 1, 0; 2003 LG, 3, 1, 0; 2003 LN<sub>6</sub>, 3, 1, 0; (59315), 3, 1, 0; [14, 5, 0\*, 2000/05/28–2003/06/22]

**859 Wykrota Observatory-CEAMIG**

C. Jacques, P.O. Box 1084, Belo Horizonte, BR-30000 Minas Gerais, Brazil

[cjacques@unix.horizontes.com.br]

0.30-m  $f/3$  Schmidt-Cassegrain + CCD

GSC-ACT

1996 GT, 8, 3, 31; 1996 MO, 3, 1, 0; 1997 AE<sub>12</sub>, 6, 2, 32; 1998 MX<sub>5</sub>, 6, 2, 1; 1998 QH<sub>2</sub>, 2, 1, 0; 1998 RO<sub>1</sub>, 3, 1, 0; 1998 TU<sub>3</sub>, 3, 1, 0; 1999 LT<sub>7</sub>, 6, 2, 1; 1999 LQ<sub>28</sub>, 9, 3, 12; 1999 PM, 3, 1, 0; 1999 TM<sub>184</sub>, 3, 1, 0; 1999 US<sub>3</sub>, 2, 1, 0; 1999 XO<sub>35</sub>, 12, 4, 22; 2000 JT<sub>66</sub>, 6, 2, 10; 2000 LY<sub>27</sub>, 5, 2, 1; 2000 WN<sub>63</sub>, 2, 1, 0; 2001 BJ<sub>16</sub>, 6, 2, 9; 2001 DT<sub>32</sub>, 3, 1, 0; 2001 KZ<sub>66</sub>, 2, 1, 0; 2001 LF, 9, 3, 6; 2002 CZ<sub>46</sub>, 2, 1, 0; 2002 OA<sub>22</sub>, 5, 2, 3; 2002 YB<sub>12</sub>, 2, 1, 0; 2003 AL<sub>18</sub>, 9, 3, 36; 2003 BT<sub>47</sub>, 9, 3, 46; 2003 FT<sub>3</sub>, 3, 1, 0; 2003 GA, 6, 2, 3; 2003 KR<sub>18</sub>, 2, 1, 0; 2003 MJ<sub>4</sub>, 3, 1, 0; 2003 MC<sub>7</sub>, 3, 1, 0; 2003 MV<sub>7</sub>, 9, 3, 13; 2003 NB, 3, 1, 0; 2003 ND, 3, 1, 0; 2003 NZ, 3, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 OV, 3, 1, 0; 2003 OF<sub>3</sub>, 3, 1, 0; 2003 OQ<sub>13</sub>, 8, 2, 11; 2003 OR<sub>14</sub>, 3, 1, 0; 2003 PQ<sub>9</sub>, 3, 1, 0; 2003 QA, 3, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QV<sub>10</sub>, 3, 1, 0; 2003 QX<sub>10</sub>, 3, 1, 0; 2003 QQ<sub>29</sub>, 3, 1, 0; 2003 RX<sub>7</sub>, 2, 1, 0; (944), 6, 2, 22; (1373), 6, 2, 10; (1849), 3, 1, 0; (1866), 3, 1, 0; (2063), 12, 4, 58; (2100), 2, 1, 0; (4197), 3, 1, 0; (4487), 2, 1, 0; (4953), 3, 1, 0; (5091), 3, 1, 0; (5863), 3, 1, 0; (7336), 6, 2, 3; (8405), 5, 2, 9; (9739), 3, 1, 0; (12442), 3, 1, 0; (20898), 3, 1, 0; (22653), 2, 1, 0; (24445), 3, 1, 0; (25330), 3, 1, 0; (27234), 6, 2, 51; (31221), 2, 1, 0; (31435), 3, 1, 0; (33478), 6, 2, 35; (39617), 3, 1, 0; (54789), 3, 1, 0; [298, 71, 0\*, 2003/06/08–2003/09/07]

**860 Valinhos**

P. R. Holvorcem, C.P. 6694, Agência Barão Geraldo, BR-13084-970 Campinas SP,  
Brazil [holvorcem@mpc.com.br]

Observers P. R. Holvorcem, M. Fidêncio Neto

0.36-m  $f/3.6$  Schmidt-Cassegrain + CCD

USNO-A2.0

1979 VS<sub>2</sub>, 3, 1, 0; 1999 PO<sub>4</sub>, 3, 1, 0; 1999 VH<sub>12</sub>, 3, 1, 0; 2000 QZ<sub>101</sub>, 3, 1, 0; 2000 XT<sub>19</sub>, 2, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; (29953), 2, 1, 0; [19, 7, 0\*, 2000/06/11–2003/08/02]

**886 Susono**

M. Akiyama, 1655-23, Chabatake, Susono, Shizuoka-Ken 410-11, Japan

0.25-m  $f/6.3$  reflector + CCD

GSC

1999 RY<sub>48</sub>, 2, 1, 0; 2000 VK<sub>10</sub>, 2, 1, 0; [4, 2, 0\*, 1998/02/02–1999/08/08]

**888 Gekko Observatory**

T. Kagawa, 1308-222, Kuwahara, Kannami-cho, Tagata-gun, Shizuoka-Ken 419-010, Japan

0.50-m  $f/4.0$  reflector + CCD

GSC-1.1

1999 RY<sub>48</sub>, 3, 1, 0; [3, 1, 0\*, 1999/08/08]

**905 Nachi-Katsuura Observatory**

T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken 424, Japan

[urata@sannet.ne.jp]

Observer Y. Shimizu

Measurer T. Urata

0.40-m  $f/3.3$  Baker-Schmidt

GSC

2001 SO<sub>107</sub>, 2, 1, 0; (21788), 2, 1, 0; (25897), 2, 1, 0; (25984), 2, 1, 0; (28658), 5, 2, 4; [13, 5, 0\*, 1994/09/09–1997/10/25]

**908 Toyama**

M. Aoki, 6-1339, Tsukioka-Cho, Toyama 939, Japan

0.43-m  $f/6$  reflector + CCD

GSC

(21398), 3, 1, 0; [3, 1, 0\*, 1996/11/06]

**910 Caussols-ODAS**

A. Maury, Observatoire de la Côte d'Azur, B.P. 229, F-06304 Nice, France

[maury@obs-azur.fr]

G. Hahn, DLR Institute of Planetary Exploration, Rudower Chaussee 5, D-12489

Berlin, Germany [Gerhard.Hahn@DLR.de]

Observers A. Maury, D. Albanese, G. Hahn, M. Hoffmann

Measurers A. Maury, G. Hahn

0.90-m Schmidt + CCD

GSC

1991 TW<sub>15</sub>, 3, 1, 0; 1993 HA<sub>3</sub>, 3, 1, 0; 1995 BM<sub>12</sub>, 3, 1, 0; 1995 SQ<sub>27</sub>, 3, 1, 0; 1996 GD<sub>19</sub>, 3, 1, 0; 1997 GW<sub>1</sub>, 3, 1, 0; 1997 TG<sub>12</sub>, 3, 1, 0; 1997 UP<sub>17</sub>, 3, 1, 0; 1997 WG<sub>10</sub>, 3, 1, 0; 1997 WM<sub>17</sub>, 3, 1, 0; 1998 SB<sub>38</sub>, 3, 1, 0; 1998 TG<sub>37</sub>, 3, 1, 0; 1998 WL<sub>34</sub>, 3, 1, 0; 1998 WD<sub>35</sub>, 3, 1, 0; 1998 WO<sub>40</sub>, 3, 1, 0; 1998 WH<sub>42</sub>, 3, 1, 0; 1999 CM<sub>46</sub>, 3, 1, 0; 1999 CH<sub>48</sub>, 3, 1, 0; 1999 EH<sub>11</sub>, 3, 1, 0; 1999 HJ<sub>9</sub>, 3, 1, 0; 1999 JE<sub>138</sub>, 3, 1, 0; 1999 RL<sub>176</sub>, 3, 1, 0; 1999 VY<sub>178</sub>, 3, 1, 0; 1999 XF<sub>47</sub>, 3, 1, 0; 1999 XU<sub>148</sub>, 3, 1, 0; 1999 XP<sub>157</sub>, 1, 1, 0; 2000 AN<sub>196</sub>, 3, 1, 0; 2000 CZ<sub>99</sub>, 3, 1, 0; 2000 DD<sub>2</sub>, 3, 1, 0; 2000 DT<sub>33</sub>, 3, 1, 0; 2000 DL<sub>85</sub>, 3, 1, 0; 2000 EO<sub>16</sub>, 3, 1, 0; 2000 FF<sub>45</sub>, 3, 1, 0; 2000 GL<sub>16</sub>, 3, 1, 0; 2000 GD<sub>54</sub>, 3, 1, 0; 2000 GK<sub>153</sub>, 3, 1, 0; 2000 GA<sub>184</sub>, 3, 1, 0; 2000 LA<sub>23</sub>, 3, 1, 0; 2000 QE<sub>164</sub>, 3, 1, 0; 2000 SE<sub>34</sub>, 3, 1, 0; 2000 SW<sub>105</sub>, 3, 1, 0; 2000 SX<sub>256</sub>, 3, 1, 0; 2000 UQ<sub>99</sub>, 3, 1, 0; 2000 WP<sub>25</sub>, 3, 1, 0; 2000 WO<sub>156</sub>, 3, 1, 0; 2000 WT<sub>181</sub>, 3, 1, 0; 2000 YT<sub>41</sub>, 3, 1, 0; 2001 AK<sub>48</sub>, 3, 1, 0; 2001 FU<sub>113</sub>, 3, 1, 0; 2001 FV<sub>114</sub>, 3, 1, 0; 2001 FR<sub>137</sub>, 3, 1, 0; 2001 FG<sub>164</sub>, 3, 1, 0; 2001 GA<sub>11</sub>, 3, 1, 0; 2001 HC<sub>2</sub>, 3, 1, 0; 2001 HO<sub>17</sub>, 3, 1, 0; 2001 HU<sub>34</sub>, 3, 1, 0; 2001 HL<sub>38</sub>, 3, 1, 0; 2001 HM<sub>47</sub>, 3, 1, 0; 2001 OK<sub>33</sub>, 3, 1, 0; 2001 ON<sub>88</sub>, 3, 1, 0; 2001 OA<sub>91</sub>, 3, 1, 0; 2001 OB<sub>103</sub>, 3, 1, 0; 2001 OM<sub>107</sub>, 3, 1, 0; 2001 PD<sub>27</sub>, 3, 1, 0; 2001 QU<sub>13</sub>, 3, 1, 0; 2001 QP<sub>26</sub>, 3, 1, 0; 2001 QP<sub>53</sub>, 3, 1, 0; 2001 QF<sub>66</sub>, 3, 1, 0; 2001 QN<sub>131</sub>, 3, 1, 0; 2001 QQ<sub>151</sub>, 3, 1, 0; 2001 QL<sub>188</sub>, 3, 1, 0; 2001 QA<sub>195</sub>, 3, 1, 0; 2001 QT<sub>214</sub>, 3, 1, 0; 2001 QU<sub>292</sub>, 3, 1, 0; 2001 SW<sub>4</sub>, 3, 1, 0; 2001 SC<sub>16</sub>, 3, 1, 0; 2001 SP<sub>24</sub>, 3, 1, 0; 2001 SO<sub>60</sub>, 3, 1, 0; 2001 SS<sub>91</sub>, 3, 1, 0; 2001 SO<sub>118</sub>, 3, 1, 0; 2001 SA<sub>158</sub>, 3, 1, 0; 2001 SP<sub>266</sub>, 3, 1, 0; 2001 SJ<sub>272</sub>, 3, 1, 0; 2001 SO<sub>288</sub>, 3, 1, 0; 2001 SY<sub>294</sub>, 3, 1, 0; 2001 ST<sub>326</sub>, 3, 1, 0; 2001 SL<sub>344</sub>, 3, 1, 0; 2001 TD<sub>144</sub>, 3, 1, 0; 2001 TO<sub>191</sub>, 3, 1, 0; 2001 UE<sub>53</sub>, 3, 1, 0; 2001 UA<sub>59</sub>, 3, 1, 0; 2001 UR<sub>67</sub>, 3, 1, 0; 2001 UR<sub>79</sub>, 3, 1, 0; 2001 VM<sub>29</sub>, 3, 1, 0; 2001 VR<sub>32</sub>, 6, 2, 29; 2001 VP<sub>60</sub>, 3, 1, 0; 2001 XP<sub>55</sub>, 3, 1, 0; 2001 XH<sub>203</sub>, 3, 1, 0; 2001 YJ<sub>27</sub>, 3, 1, 0; 2001 YN<sub>88</sub>, 3, 1, 0; 2002 CE<sub>87</sub>, 3, 1, 0; 2002 CW<sub>239</sub>, 3, 1, 0; 2002 EP<sub>61</sub>, 3, 1, 0; 2002 EQ<sub>93</sub>, 3, 1, 0; 2002 EP<sub>109</sub>, 3, 1, 0; 2002 EC<sub>123</sub>, 3, 1, 0; 2002 GT<sub>103</sub>, 3, 1, 0; 2002 JO<sub>26</sub>, 3, 1, 0; 2002 JD<sub>53</sub>, 3, 1, 0; 2002 JM<sub>70</sub>, 3, 1, 0; 2002 NK<sub>18</sub>, 3, 1, 0; 2002 NH<sub>22</sub>, 3, 1, 0; 2002 NV<sub>34</sub>, 3, 1, 0; 2002 PQ<sub>113</sub>, 3, 1, 0; 2002 QS<sub>9</sub>, 3, 1, 0; 2002 QB<sub>13</sub>, 3, 1, 0; 2002 QM<sub>19</sub>, 3, 1, 0; 2002 RX<sub>7</sub>, 3, 1, 0; 2002 RN<sub>20</sub>, 3, 1, 0; 2002 RG<sub>21</sub>, 3, 1, 0; 2002 RV<sub>27</sub>, 3, 1, 0; 2002 RN<sub>44</sub>, 3, 1, 0; 2002 RK<sub>47</sub>, 3, 1, 0; 2002 RL<sub>49</sub>, 3, 1, 0; 2002 RQ<sub>71</sub>, 3, 1, 0; 2002 RM<sub>135</sub>, 3, 1, 0; 2002 RK<sub>149</sub>, 3, 1, 0; 2002 RD<sub>157</sub>, 3, 1, 0; 2002 SX<sub>6</sub>, 3, 1, 0; 2002 SP<sub>24</sub>, 3, 1, 0; 2002 SY<sub>25</sub>, 3, 1, 0; 2002 SU<sub>49</sub>, 3, 1, 0; 2002 SV<sub>57</sub>, 3, 1, 0; 2002 TS<sub>2</sub>, 3, 1, 0; 2002 TN<sub>27</sub>, 3, 1, 0; 2002 TW<sub>29</sub>, 3, 1, 0; 2002 TA<sub>48</sub>, 3, 1, 0; 2002 TJ<sub>105</sub>, 3, 1, 0; 2002 TY<sub>108</sub>, 3, 1, 0; 2002 TZ<sub>242</sub>, 3, 1, 0; 2002 VR<sub>13</sub>, 3, 1, 0; 2002 VS<sub>62</sub>, 3, 1, 0; 2002 VS<sub>82</sub>, 3, 1, 0; 2002 YQ<sub>6</sub>, 3, 1, 0; 2002 YK<sub>12</sub>, 3, 1, 0; 2003 AN<sub>10</sub>, 3, 1, 0; 2003 AL<sub>30</sub>, 3, 1, 0; 2003 AX<sub>41</sub>, 3, 1, 0; 2003 AB<sub>43</sub>, 3, 1, 0; 2003 AJ<sub>65</sub>, 3, 1, 0; 2003 AD<sub>66</sub>, 3, 1, 0; 2003 BE<sub>62</sub>, 3, 1, 0; 2003 CD<sub>8</sub>, 3, 1, 0; 2003 CE<sub>9</sub>, 3, 1, 0; 2003 CN<sub>15</sub>, 3, 1, 0; 2003 EP<sub>11</sub>, 3, 1, 0; 2003 EL<sub>28</sub>, 3, 1, 0; 2003 FC<sub>48</sub>, 3, 1, 0; 2003 FQ<sub>97</sub>, 3, 1, 0; 2003 GQ<sub>28</sub>, 3, 1, 0; 2003 GT<sub>35</sub>, 3, 1, 0; 2003 HP<sub>10</sub>, 3, 1, 0; 2003 HP<sub>40</sub>, 3, 1, 0; 2003 HX<sub>50</sub>, 3, 1, 0; 2003 JJ<sub>13</sub>, 3, 1, 0; 2003 MA<sub>3</sub>, 3, 1, 0; 2003 OB<sub>30</sub>, 3, 1, 0; 2003 PX<sub>3</sub>, 6, 2, 61; 2003 PV<sub>11</sub>, 3, 1, 0; 2003 QW<sub>5</sub>, 3, 1, 0; 4287 T-2, 3, 1, 0; (6863), 3, 1, 0; (8561), 3, 1, 0; (14817), 3, 1, 0; (27870), 3, 1, 0; (48280), 3, 1, 0; (55621), 3, 1, 0; (58034), 3, 1, 0; (58051), 3, 1, 0; (59421), 3, 1, 0; (60398), 3, 1, 0; (63679), 3, 1, 0; (65588), 3, 1, 0; [553, 183, 0\*, 1997/01/15–1999/03/24]

**918 Badlands Observatory, Quinn**

R. Dyvig, P.O. Box 37, Quinn, SD 57775, U.S.A. [rondyv@gwgc.net]

0.66-m  $f/4.8$  reflector + CCD

GSC-1.2

2001 VL<sub>2</sub>, 4, 1, 0; 2003 NM<sub>3</sub>, 4, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 NP<sub>4</sub>, 4, 1, 0; 2003 NS<sub>4</sub>, 3, 1, 0; 2003 NE<sub>5</sub>, 3, 1, 0; (17933), 3, 1, 0; [24, 7, 0\*, 2003/05/29–2003/07/06]

**919 Desert Beaver Observatory**

W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada

[beaver07@theriver.com]

0.45-m  $f/3$  Schmidt-Cassegrain + CCD

GSC-ACT

(18135), 1, 1, 0; [1, 1, 0\*, 2000/09/08]

**920 RIT Observatory, Rochester**

M. Richmond, Physics Department, Rochester Institute of Technology, 85 Lomb

Memorial Drive, Rochester, NY 14623-5603, U.S.A. [mwrsp@rit.edu]

0.3-m  $f/6.3$  reflector + CCD

GSC, USNO-SA1.0

(16), 3, 1, 0; (79), 3, 1, 0; (394), 3, 1, 0; (995), 4, 1, 0; [13, 4, 0\*, 2003/06/16]

**926 Tenagra II Observatory**

M. Schwartz, Tenagra Observatories, HC 2 Box 292, Nogales, AZ 85621, U.S.A.

[mbs@tenagraobservatories.com]

Observers F. Mallia, G. Masi, P. R. Holvorcem, M. Schwartz

0.81-m  $f/7$  Ritchey-Chrétien + CCD

USNO-SA2.0, USNO-A2.0

1995 SW<sub>49</sub>, 3, 1, 0; 1997 AE<sub>12</sub>, 3, 1, 0; 1998 FH<sub>12</sub>, 3, 1, 0; 1998 FV<sub>77</sub>, 3, 1, 0; 1999 CY<sub>108</sub>, 3, 1, 0; 1999 JC<sub>11</sub>, 6, 2, 5; 1999 JV<sub>72</sub>, 3, 1, 0; 1999 JO<sub>131</sub>, 3, 1, 0; 1999 TD<sub>223</sub>, 3, 1, 0; 1999 TJ<sub>280</sub>, 3, 1, 0; 1999 TE<sub>284</sub>, 2, 1, 0; 2000 QY<sub>60</sub>, 6, 2, 5; 2000 SW<sub>267</sub>, 2, 1, 0; 2000 UT<sub>13</sub>, 3, 1, 0; 2000 WG<sub>113</sub>, 3, 1, 0; 2000 WF<sub>146</sub>, 3, 1, 0; 2000 YF<sub>48</sub>, 6, 2, 2; 2001 XU<sub>128</sub>, 3, 1, 0; 2001 XZ<sub>141</sub>, 3, 1, 0; 2002 AC<sub>13</sub>, 3, 1, 0; 2002 AQ<sub>37</sub>, 3, 1, 0; 2002 AR<sub>110</sub>, 3, 1, 0; 2002 AQ<sub>153</sub>, 3, 1, 0; 2002 AC<sub>164</sub>, 3, 1, 0; 2002 AE<sub>190</sub>, 3, 1, 0; 2002 CR<sub>239</sub>, 3, 1, 0; 2002 EX<sub>6</sub>, 3, 1, 0; 2002 FY<sub>38</sub>, 3, 1, 0; 2002 GO<sub>82</sub>, 3, 1, 0; 2002 GJ<sub>88</sub>, 3, 1, 0; 2002 GM<sub>115</sub>, 3, 1, 0; 2002 XB<sub>97</sub>, 5, 2, 7; 2003 HW<sub>43</sub>, 4, 1, 0; 2003 JL<sub>13</sub>, 3, 1, 0; 2003 KO<sub>2</sub>, 2, 1, 0; 2003 KD<sub>6</sub>, 3, 1, 0; 2003 KS<sub>9</sub>, 3, 1, 0; 2003 KM<sub>11</sub>, 3, 1, 0; 2003 KL<sub>20</sub>, 3, 1, 0; 2003 KA<sub>28</sub> \*, 3, 1, 0; 2003 KB<sub>28</sub> \*, 3, 1, 0; 2003 KC<sub>28</sub> \*, 3, 1, 0; 2003 KW<sub>29</sub> \*, 3, 1, 0; 2003 KX<sub>29</sub> \*, 3, 1, 0; 2003 KY<sub>29</sub> \*, 3, 1, 0; 2003 KZ<sub>29</sub> \*, 3, 1, 0; 2003 KH<sub>30</sub> \*, 6, 2, 7; 2003 KJ<sub>30</sub> \*, 6, 2, 7; 2003 KB<sub>34</sub>, 3, 1, 0; 2003 KC<sub>34</sub>, 3, 1, 0; 2003 KD<sub>34</sub> \*, 6, 2, 7; 2003 KE<sub>34</sub> \*, 6, 2, 7; 2003 KO<sub>36</sub>, 3, 1, 0; 2003 LS<sub>6</sub> \*, 3, 1, 0; 2003 MF<sub>6</sub>, 2, 1, 0; 2003 MS<sub>2</sub>, 2, 1, 0; 2003 MT<sub>2</sub>, 3, 1, 0; 2003 MU<sub>3</sub>, 3, 1, 0; 2003 ME<sub>1</sub>, 3, 1, 0; 2003 MF<sub>1</sub>, 3, 1, 0; 2003 MA<sub>2</sub>, 2, 1, 0; 2003 MB<sub>2</sub> \*, 11, 3, 2; 2003 MS<sub>2</sub>, 10, 3, 2; 2003 MT<sub>2</sub>, 3, 1, 0; 2003 MV<sub>2</sub> \*, 12, 4, 5; 2003 MW<sub>2</sub> \*, 10, 4, 5; 2003 MX<sub>2</sub>, 6, 2, 1; 2003 MZ<sub>2</sub>, 3, 1, 0; 2003 MA<sub>3</sub>, 3, 1, 0; 2003 MC<sub>4</sub> \*, 8, 3, 2; 2003 MD<sub>4</sub> \*, 9, 3, 8; 2003 ME<sub>4</sub> \*, 6, 2, 5; 2003 MF<sub>4</sub> \*, 8, 3, 7; 2003 MG<sub>4</sub>, 5, 2, 1; 2003 MH<sub>4</sub>, 5, 2, 1; 2003 MJ<sub>4</sub>, 3, 1, 0; 2003 MK<sub>4</sub>, 3, 1, 0; 2003 MZ<sub>6</sub> \*, 10, 3, 2; 2003 MA<sub>7</sub>, 2, 1, 0; 2003 MB<sub>7</sub>, 3, 1, 0; 2003 MC<sub>7</sub>, 3, 1, 0; 2003 MD<sub>7</sub>, 2, 1, 0; 2003 ME<sub>7</sub>, 3, 1, 0; 2003 MF<sub>7</sub>, 3, 1, 0; 2003 MT<sub>7</sub> \*, 4, 2, 3; 2003 MV<sub>7</sub>, 2, 1, 0; 2003 MJ<sub>9</sub>, 3, 1, 0; 2003 MS<sub>9</sub>, 7, 2, 3; 2003 MT<sub>9</sub>, 3, 1, 0; 2003 MW<sub>11</sub> \*, 2, 1, 0; 2003 NA<sub>3</sub>, 1, 0; 2003 NB<sub>3</sub>, 1, 0; 2003 NC<sub>3</sub>, 3, 1, 0; 2003 ND<sub>5</sub>, 1, 0; 2003 NE<sub>3</sub>, 3, 1, 0; 2003 NW<sub>5</sub>, 1, 0; 2003 NX<sub>3</sub>, 3, 1, 0; 2003 NY<sub>3</sub>, 3, 1, 0; 2003 NZ<sub>3</sub>, 3, 1, 0; 2003 NW<sub>1</sub>, 2, 1, 0; 2003 NM<sub>3</sub>, 3, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 NP<sub>4</sub>, 3, 1, 0; 2003 NS<sub>4</sub>, 3, 1, 0; 2003 NE<sub>5</sub>, 1, 1, 0; 2003 OW<sub>3</sub>, 2, 1, 0; 2003 OG<sub>4</sub>, 3, 1, 0; 2003 OF<sub>6</sub>, 3, 1, 0; 2003 OC<sub>7</sub>, 3, 1, 0; 2003 OV<sub>7</sub>, 6, 2, 2; 2003 PL<sub>3</sub>, 3, 1, 0; 1255 T-2, 3, 1, 0; (885), 3, 1, 0; (1385), 3, 1, 0; (1606), 1, 1, 0; (5212), 3, 1, 0; (5762), 3, 1, 0; (6483), 4, 1, 0; (7523), 3, 1, 0; (8428), 3, 1, 0; (9097), 3, 1, 0; (10101), 3, 1, 0; (10852), 3, 1, 0; (12869), 6, 2, 1; (16113), 9, 3, 2; (18646), 3, 1, 0; (19388), 3, 1, 0; (21532), 2, 1, 0; (21887), 3, 1, 0; (29734), 2, 1, 0; (33391), 3, 1, 0; (36066), 3, 1, 0; (39552), 3, 1, 0; (41154), 3, 1, 0; (58338), 3, 1, 0; (60249), 3, 1, 0; (61810), 3, 1, 0; (62495), 3, 1, 0; (63070), 3, 1, 0; (64729), 3, 1, 0; [516, 140, 22\*, 2002/12/21–2003/07/06]

**931 Punaauia**

J. C. Pelle, BP 130085, F-98717 Punaauia, French Polynesia [jcpelle@mail.pf]

0.41-m  $f/4.5$  reflector + CCD

USNO-A2.0

(28926), 2, 1, 0; [2, 1, 0\*, 2000/08/09]

**932 John J. McCarthy Obs., New Milford**

M. Robson, P.O. Box 1144, New Milford, CT 06776, U.S.A. [mrobson@snet.net]

Observer M. Robson

Measurer L. Glukhovskiy

0.4-m  $f/7.2$  Schmidt-Cassegrain + CCD

USNO-A2.0

2003 QQ<sub>47</sub>, 3, 1, 0; [3, 1, 0\*, 2003/09/06]

### 938 Linhaceira

R. Gonçalves, Instituto Politecnico Tomar, Area Fisica, Quinta do Contador,  
Estrada da Serra, P-2300 Tomar, Portugal [rui.goncalves@ipt.pt]

0.25-m  $f/6.7$  Schmidt-Cassegrain + CCD

USNO-A2.0, USNO-B1.0, UCAC-2

1997 AE<sub>12</sub>, 9, 1, 0; 1998 MX<sub>5</sub>, 19, 1, 0; 1998 QZ<sub>73</sub>, 2, 1, 0; 1999 GJ<sub>2</sub>, 9, 5, 27; 1999 JZ<sub>61</sub>, 2, 1, 0; 1999 RU<sub>122</sub>, 1, 1, 0; 1999 TJ<sub>208</sub>, 3, 1, 0; 2000 EL<sub>54</sub>, 3, 1, 0; 2000 SX<sub>271</sub>, 3, 1, 0; 2000 WL<sub>15</sub>, 5, 2, 1; 2000 XZ<sub>7</sub>, 5, 2, 1; 2001 LF<sub>3</sub>, 12, 1, 0; 2002 JY<sub>36</sub>, 2, 1, 0; 2003 FT<sub>3</sub>, 7, 3, 6; 2003 HL<sub>8</sub>, 8, 1, 0; 2003 KP<sub>2</sub>, 6, 3, 6; 2003 LS<sub>3</sub>, 1, 1, 0; 2003 MO<sub>12</sub>, 3, 3; 2003 MK<sub>4</sub>, 11, 1, 0; 2003 OT<sub>2</sub>, 2, 1, 0; 2003 QA<sub>23</sub>, 2, 1, 0; 2003 QC<sub>6</sub>, 1, 0; (205), 40, 1, 0; (346), 18, 1, 0; (420), 60, 1, 0; (1866), 3, 1, 0; (1951), 1, 1, 0; (2100), 9, 1, 0; (3102), 3, 1, 0; (3752), 2, 1, 0; (4587), 2, 1, 0; (20620), 1, 1, 0; (21656), 1, 1, 0; (25872), 2, 2, 2; (25906), 1, 1, 0; (37655), 10, 1, 0; (40594), 1, 1, 0; (40882), 2, 1, 0; (58143), 3, 1, 0; (61640), 2, 1, 0; (65190), 2, 1, 0; [314, 41, 0\*, 2003/06/06–2003/08/25]

### 940 Waterlooville

R. Dymock, 67 Haslar Crescent, Waterlooville, Hampshire PO7 6DD, England  
[roger.dymock@ntlworld.com]

0.25-m  $f/6.4$  reflector + CCD

USNO-B1.0, USNO-A2.0

2003 KP<sub>2</sub>, 46, 5, 15; [46, 1, 0\*, 2003/07/30–2003/08/14]

### 941 Observatorio Pla D'Arguines

R. Ferrando, Guardia Civil N. 22, ESC-5 PTA.-34, E-46020 Valencia, Spain  
[rferrando@jazzfree.com]

0.30-m Schmidt-Cassegrain + CCD

USNO-SA2.0, UCAC-2

1990 EK<sub>2</sub>, 4, 1, 0; 1995 UV<sub>8</sub>, 5, 1, 0; 1996 MO<sub>5</sub>, 5, 1, 0; 1997 AE<sub>12</sub>, 5, 1, 0; 1998 EO<sub>14</sub>, 4, 1, 0; 1998 FH<sub>12</sub>, 11, 2, 1; 1998 HX<sub>33</sub>, 6, 1, 0; 1998 HH<sub>112</sub>, 5, 1, 0; 1998 HT<sub>119</sub>, 4, 1, 0; 1998 MX<sub>5</sub>, 5, 1, 0; 1998 QH<sub>2</sub>, 5, 1, 0; 1998 QT<sub>84</sub>, 5, 1, 0; 1998 RD<sub>53</sub>, 4, 1, 0; 1998 RH<sub>77</sub>, 4, 1, 0; 1998 SE<sub>72</sub>, 5, 1, 0; 1998 TU<sub>3</sub>, 4, 1, 0; 1999 FF<sub>36</sub>, 3, 1, 0; 1999 GJ<sub>2</sub>, 4, 1, 0; 1999 JP<sub>58</sub>, 4, 1, 0; 1999 NS<sub>59</sub>, 5, 1, 0; 1999 RV<sub>21</sub>, 4, 1, 0; 1999 RB<sub>27</sub>, 4, 1, 0; 1999 RC<sub>51</sub>, 4, 1, 0; 1999 RL<sub>85</sub>, 8, 2, 1; 1999 RL<sub>110</sub>, 4, 1, 0; 1999 RN<sub>118</sub>, 4, 1, 0; 1999 RQ<sub>127</sub>, 6, 1, 0; 1999 RO<sub>199</sub>, 4, 1, 0; 1999 RZ<sub>199</sub>, 5, 1, 0; 1999 RT<sub>221</sub>, 5, 1, 0; 1999 TJ<sub>52</sub>, 4, 1, 0; 1999 TO<sub>113</sub>, 4, 1, 0; 1999 TE<sub>157</sub>, 5, 1, 0; 1999 TR<sub>262</sub>, 5, 1, 0; 1999 UF<sub>52</sub>, 4, 1, 0; 1999 XN<sub>153</sub>, 5, 1, 0; 1999 XO<sub>155</sub>, 3, 1, 0; 2000 AC<sub>197</sub>, 6, 1, 0; 2000 AR<sub>238</sub>, 5, 1, 0; 2000 EA<sub>103</sub>, 4, 1, 0; 2000 LY<sub>27</sub>, 4, 1, 0; 2000 OL<sub>8</sub>, 5, 1, 0; 2000 QO<sub>51</sub>, 4, 1, 0; 2000 QO<sub>64</sub>, 4, 1, 0; 2000 QF<sub>65</sub>, 5, 1, 0; 2000 QC<sub>209</sub>, 4, 1, 0; 2000 RE<sub>45</sub>, 4, 1, 0; 2000 RT<sub>91</sub>, 4, 1, 0; 2000 SG<sub>115</sub>, 4, 1, 0; 2000 SW<sub>175</sub>, 6, 1, 0; 2000 SE<sub>211</sub>, 5, 1, 0; 2000 SK<sub>236</sub>, 4, 1, 0; 2000 UP<sub>27</sub>, 4, 1, 0; 2000 WP<sub>17</sub>, 5, 1, 0; 2000 WA<sub>25</sub>, 5, 1, 0; 2000 WL<sub>34</sub>, 4, 1, 0; 2000 WQ<sub>58</sub>, 5, 1, 0; 2000 WC<sub>188</sub>, 6, 1, 0; 2000 XN<sub>44</sub>, 17, 3, 20; 2000 YK<sub>29</sub>, 4, 1, 0; 2000 YJ<sub>66</sub>, 1, 1, 0; 2000 YB<sub>115</sub>, 5, 1, 0; 2001 BM<sub>9</sub>, 5, 1, 0; 2001 BJ<sub>16</sub>, 4, 1, 0; 2001 BU<sub>50</sub>, 8, 1, 0; 2001 BU<sub>73</sub>, 5, 1, 0; 2001 DS<sub>19</sub>, 10, 2, 4; 2001 FC<sub>7</sub>, 4, 1, 0; 2001 FH<sub>82</sub>, 5, 1, 0; 2001 LF<sub>3</sub>, 1, 0; 2001 PM<sub>9</sub>, 11, 2, 14; 2002 AQ<sub>137</sub>, 3, 1, 0; 2002 CE<sub>53</sub>, 5, 1, 0; 2002 CL<sub>100</sub>, 3, 1, 0; 2002 CG<sub>140</sub>, 5, 1, 0; 2002 CW<sub>173</sub>, 5, 1, 0; 2002 CZ<sub>233</sub>, 4, 1, 0; 2002 EC<sub>16</sub>, 5, 1, 0; 2002 EL<sub>87</sub>, 4, 1, 0; 2002 FD<sub>17</sub>, 4, 1, 0; 2002 FG<sub>37</sub>, 5, 1, 0; 2002 JG<sub>37</sub>, 4, 1, 0; 2002 JM<sub>73</sub>, 4, 1, 0; 2002 LT<sub>6</sub>, 11, 2, 29; 2002 OA<sub>22</sub>, 16, 3, 64; 2002 QF<sub>15</sub>, 6, 1, 0; 2002 XR<sub>14</sub>, 6, 1, 0; 2002 XV<sub>105</sub>, 4, 1, 0; 2002 YB<sub>12</sub>, 5, 1, 0; 2003 FT<sub>3</sub>, 8, 2, 7; 2003 GA<sub>4</sub>, 1, 0; 2003 HA<sub>22</sub>, 5, 1, 0; 2003 JV<sub>10</sub>, 5, 1, 0; 2003 KR<sub>18</sub>, 15, 3, 36; 2003 LG<sub>4</sub>, 1, 0; 2003 LC<sub>5</sub>, 4, 1, 0; 2003 LO<sub>6</sub>, 4, 1, 0; 2003 MA<sub>5</sub>, 5, 1, 0; 2003 MM<sub>5</sub>, 5, 1, 0; 2003 MT<sub>10</sub>, 2, 21; 2003 MU<sub>8</sub>, 2, 21; 2003 MB<sub>1</sub>, 5, 1, 0; 2003 ME<sub>1</sub>, 5, 1, 0; 2003 MT<sub>2</sub>, 27, 6, 62; 2003 MA<sub>3</sub>, 5, 1, 0; 2003 MH<sub>4</sub>, 5, 1, 0; 2003 MK<sub>4</sub>, 5, 1, 0; 2003 MZ<sub>6</sub>, 4, 1, 0; 2003 MA<sub>7</sub>, 3, 1, 0; 2003 MB<sub>7</sub>, 4, 1, 0; 2003 MC<sub>7</sub>, 9, 2, 35; 2003 NB<sub>9</sub>, 2, 2; 2003 ND<sub>4</sub>, 4, 1, 0; 2003 NO<sub>4</sub>, 10, 2, 21; 2003 NL<sub>7</sub>, 10, 2, 28; 2003 NO<sub>12</sub>, 11, 2, 12; 2003 OF<sub>3</sub>, 8, 2, 2; 2003 OY<sub>7</sub> \*, 33, 6, 29; 2003 OH<sub>12</sub>, 4, 1, 0; 2003 OT<sub>13</sub>, 5, 1, 0; 2003 OR<sub>14</sub>, 5, 1, 0; 2003 PT<sub>5</sub>, 5, 1, 0; 2003 PZ<sub>10</sub>, 11, 2, 1; 2003 PQ<sub>11</sub> \*, 12, 2, 1; 2003 PE<sub>12</sub> \*, 23, 4, 18; 2003 PG<sub>12</sub>, 17, 3, 3; 2003 QA<sub>17</sub>, 3, 18; 2003 QB<sub>6</sub>, 1, 0; 2003 QC<sub>5</sub>, 1, 0; 2003 QX \*, 20, 3, 4; 2003 QY \*, 15, 3, 4; 2003 QT<sub>3</sub>, 4, 1, 0; 2003 QC<sub>10</sub>, 12, 2, 1; 2003 QQ<sub>10</sub>, 6, 1, 0; 2003 QZ<sub>29</sub>, 6, 1, 0; 2003 QA<sub>30</sub>, 5, 1, 0; 2003 QW<sub>30</sub>, 4, 1, 0; 2003 QY<sub>30</sub>, 5, 1, 0; 2003 QZ<sub>30</sub>, 5, 1, 0; 2003 QZ<sub>31</sub>, 12, 2, 2; 2003 QF<sub>31</sub>, 5, 1, 0; 2003 QB<sub>57</sub>, 4, 1, 0; 2003 QW<sub>69</sub> \*, 12, 2, 2; 2003 QR<sub>79</sub>, 10, 2, 1; 2003 QK<sub>96</sub> \*, 34, 3, 6; 4303 T-3, 5, 1, 0; (533), 4, 1, 0; (1679), 4, 1, 0; (4487), 4, 1, 0; (6028), 6, 1, 0; (6089), 4, 1, 0; (7336), 11, 2, 16; (7763), 5, 1, 0; (13244), 4, 1, 0; (22653), 4, 1, 0; (24118), 4, 1, 0; (24445), 1, 1, 0; (33456), 4, 1, 0; (36025), 5, 1, 0; (36074), 2, 1, 0; (36868), 4, 1, 0; (37655), 5, 1, 0; (39899), 4, 1, 0; (42643), 4, 1, 0; (46398), 5, 1, 0; (54509), 6, 1, 0; (58126), 4, 1, 0; [1055, 167, 7\*, 2001/07/01–2003/09/06]

### 947 Saint-Sulpice

B. Christophe, 63 rue Belliard, F-75018 Paris, France [bchristo@club-internet.fr]

0.60-m  $f/5.6$  reflector + CCD

USNO-A2.0

1998 HL<sub>23</sub>, 5, 2, 1; 1998 RZ<sub>58</sub>, 3, 1, 0; 1998 SO<sub>124</sub>, 8, 3, 2; 1999 RW<sub>171</sub>, 3, 1, 0; 1999 XK<sub>233</sub>, 10, 4, 3; 2000 SV<sub>288</sub>, 6, 2, 1; 2000 UP<sub>37</sub>, 2, 1, 0; 2002 DQ<sub>3</sub>, 3, 1, 0; 2002 HR<sub>8</sub>, 2, 1, 0; 2002 JM<sub>48</sub>, 3, 1, 0; 2002 JD<sub>141</sub>, 3, 1, 0; 2003 DA<sub>19</sub>, 3, 1, 0; 2003 MN<sub>2</sub>, 6, 2, 1; 2003 MO<sub>9</sub> \*, 15, 4, 39; 2003 OC<sub>7</sub>, 3, 1, 0; 2003 OB<sub>18</sub>, 7, 3, 2; 2003 OE<sub>18</sub>, 8, 3, 29; 2003 OW<sub>30</sub> \*, 17, 5, 32; 2003 PS<sub>4</sub> \*, 11, 4, 19; 2003 PT<sub>4</sub> \*, 16, 6, 30; 2003 PJ<sub>9</sub>, 2, 1, 0; 2003 PX<sub>9</sub>, 3, 1, 0; 2003 QE<sub>28</sub> \*, 8, 3, 10; 2003 QM<sub>30</sub>, 3, 1, 0; 2003 QG<sub>31</sub> \*, 12, 5, 8; 2003 QH<sub>31</sub> \*, 13, 5, 13; 2003 QJ<sub>31</sub> \*, 10, 4, 6; 2003 QK<sub>31</sub> \*, 12, 4, 9; 2003 QF<sub>104</sub> \*, 10, 4, 11; 2003 QG<sub>104</sub> \*, 14, 5, 9; 2135 T-3, 2, 1, 0; (5145), 3, 1, 0; (13396), 3, 1, 0; (40263), 3, 1, 0; [232, 34, 11\*, 2003/02/21–2003/09/02]

### 950 La Palma

M. Holman, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,  
Cambridge, MA 02138, U.S.A. [mholman@cfa.harvard.edu] (1)

A. Fitzsimmons, Physics Department, Queen's University, Belfast BT7 1NN,  
Northern Ireland [a.fitzsimmons@qub.ac.uk] (3)

J. Virtanen, P.O. Box 14, University of Helsinki, SF-00014 Helsinki, Finland  
[jxvirtan@astro.helsinki.fi] (5)

D. D. Balam, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC  
V8W 3P6, Canada [balam@eluga.phys.uvic.ca] (7)

Observers F. Prada, K. Exeter, K. Exter, W. Yuan, P. Derry, M. Watson,  
M. J. Jarvis, M. Holman, T. Grav, J. Virtanen, P. Muhli

Measurers A. Fitzsimmons, C. Dandy, A. Boattini, G. D'Abramo, S. C. Lowry,  
D. D. Balam, M. Holman, J. Virtanen

1.0-m  $f/15$  reflector + CCD, 2.5-m Isaac Newton Telescope + CCD, 4.2-m William  
Herschel Telescope + CCD

USNO-A2

{1} 1994 PN<sub>12</sub>, 3, 1, 0; [3, 1, 0\*, 2000/06/28–2000/06/29]

{3} 1998 WE<sub>44</sub>, 3, 1, 0; 1999 RT<sub>169</sub>, 3, 1, 0; 1999 TL<sub>144</sub>, 3, 1, 0; 1999 TA<sub>289</sub>, 3, 1, 0; 1999 UT<sub>34</sub>, 3, 1, 0; 1999 XH<sub>67</sub>, 3, 1, 0; 2000 CN<sub>66</sub>, 3, 1, 0; 2000 JN<sub>80</sub>, 3, 1, 0; 2000 KJ<sub>84</sub> \*, 12, 2, 2; 2000 KK<sub>84</sub> \*, 12, 2, 1; 2000 KL<sub>84</sub> \*, 12, 2, 1; 2001 NC<sub>5</sub>, 3, 1, 0; 2001 OE<sub>112</sub> \*, 6, 2, 3; 2001 QN<sub>193</sub>, 9, 3, 4; 2001 QX<sub>322</sub>, 3, 1, 0; 2001 QO<sub>331</sub> \*, 7, 2, 3; 2001 QP<sub>331</sub> \*, 6, 2, 1; 2001 QQ<sub>331</sub> \*, 8, 2, 1; 2001 QR<sub>331</sub> \*, 16, 5, 5; 2001 QS<sub>331</sub> \*, 7, 2, 1; 2001 QT<sub>331</sub> \*, 7, 2, 1; 2001 QU<sub>331</sub> \*, 6, 2, 2; 2001 QV<sub>331</sub> \*, 10, 3, 2; 2001 QW<sub>331</sub> \*, 11, 3, 2; 2001 QX<sub>331</sub> \*, 11, 3, 2; 2001 QY<sub>331</sub> \*, 6, 2, 1; 2001 QZ<sub>331</sub> \*, 6, 2, 1; 2001 TP<sub>201</sub>, 3, 1, 0; 2001 UD<sub>10</sub>, 10, 3, 2; 2002 TT<sub>68</sub>, 3, 1, 0; 2002 VV<sub>42</sub>, 3, 1, 0; 2002 VG<sub>132</sub>, 3, 1, 0; 2002 VH<sub>132</sub>, 3, 1, 0; 2003 KO<sub>2</sub>, 8, 1, 0; 2003 MH<sub>4</sub>, 3, 1, 0; 2003 MK<sub>4</sub>, 10, 2, 10; 2003 NW<sub>1</sub>, 8, 2, 10; 2003 OC<sub>3</sub>, 3, 1, 0; 2003 OS<sub>6</sub>, 3, 1, 0; (55401), 7, 2, 1; [249, 40, 16\*, 1998/11/18–2003/08/04]

{5} 2001 QT<sub>322</sub>, 2, 1, 0; [2, 1, 0\*, 2002/08/06]

{7} 1999 RV<sub>21</sub>, 3, 1, 0; [3, 1, 0\*, 2001/02/17]

### 952 Marxuquera

J. J. Gómez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain  
[astsafor@arrakis.es]

0.25-m  $f/4.2$  Schmidt-Cassegrain + CCD

USNO-A2.0

1993 PC<sub>3</sub>, 3, 1, 0; 1996 GT<sub>11</sub>, 1, 0; 1997 AE<sub>12</sub>, 4, 1, 0; 1998 MX<sub>5</sub>, 5, 1, 0; 1999 GJ<sub>2</sub>, 5, 1, 0; 1999 RV<sub>204</sub>, 4, 1, 0; 2001 LF<sub>5</sub>, 1, 0; 2001 MK<sub>3</sub>, 4, 1, 0; 2002 OA<sub>22</sub>, 5, 1, 0; 2003 FT<sub>3</sub>, 10, 2, 16; 2003 HW<sub>11</sub>, 3, 1, 0; 2003 HA<sub>22</sub>, 5, 1, 0; 2003 LG<sub>2</sub>, 1, 0; 2003 LS<sub>3</sub>, 22, 2, 42; 2003 MO<sub>22</sub>, 2, 7; 2003 MU<sub>3</sub>, 3, 1, 0; 2003 MT<sub>2</sub>, 6, 2, 30; 2003 MC<sub>7</sub>, 3, 1, 0; 2003 NB<sub>7</sub>, 7, 2, 12; 2003 NA<sub>7</sub>, 5, 1, 0; 2003 NL<sub>7</sub>, 5, 1, 0; 2003 NF<sub>7</sub>, 3, 1, 0; 2003 OT<sub>13</sub>, 4, 1, 0; 2003 OR<sub>14</sub>, 7, 1, 0; 2003 PM<sub>5</sub>, 9, 1, 0; 2003 QA<sub>14</sub>, 2, 2; 2003 QC<sub>8</sub>, 1, 0; 2003 QY<sub>30</sub>, 11, 1, 0; 2003 QZ<sub>30</sub>, 8, 2, 3; 2003 QB<sub>31</sub>, 4, 1, 0; 2003 QE<sub>57</sub>, 5, 1, 0; 2003 QR<sub>79</sub>, 7, 1, 0; (2060), 2, 1, 0; (2786), 7, 1, 0; (18882), 9, 1, 0; (20517), 5, 1, 0; (54789), 5, 1, 0; [247, 37, 0\*, 2003/06/20–2003/08/30]

**954 Teide Observatory**

R. Casas, A. A. Sabadell P.O. Box 50, E-08200 Sabadell, Spain [rcr@ot.iac.es]  
 Observer M. Pohlen  
 Measurer R. Casas  
 0.80-m  $f/11$  Cassegrain + CCD  
 USNO-SA2.0  
 1998 EQ<sub>9</sub>, 4, 1, 0; 2003 HQ<sub>16</sub>, 6, 1, 0; [10, 2, 0\*, 1997/11/06–2003/07/31]

**966 Church Stretton**

S. P. Laurie, Toleman, 10 Hazler Orchard, Church Stetton, Shropshire SY6 7AL,  
 England [100336.3635@compuserve.com]  
 0.35-m Schmidt-Cassegrain + CCD  
 A2.0  
 2003 LP<sub>6</sub>, 2, 1, 0; 2003 NZ<sub>6</sub>, 4, 1, 0; [6, 2, 0\*, 2003/06/13–2003/07/10]

**A14 Les Engarouines Observatory**

L. Bernasconi, Les Engarouines Observatory, 1302 Les Engarouines, F-84570  
 Malmort du Comtat, France [Laurent.Bernasconi.51@wanadoo.fr]  
 0.212-m  $f/3.9$  reflector + CCD  
 USNO-SA2.0  
 1998 FH<sub>12</sub>, 10, 2, 6; 2001 MK<sub>3</sub>, 3, 1, 0; 2003 FS<sub>2</sub>, 3, 1, 0; 2003 FT<sub>3</sub>, 3, 1, 0; 2003 GA, 2, 1, 0;  
 2003 HW<sub>11</sub>, 3, 1, 0; 2003 LG, 3, 1, 0; [27, 7, 0\*, 2003/06/20–2003/06/27]

**A20 Sögel**

H. Roclawski, Westring 10, D-49751 Sögel, Germany [info@comp-media.de]  
 0.25-m reflector + CCD  
 USNO-A2.0  
 (34817), 3, 1, 0; [3, 1, 0\*, 2003/08/25]

**A21 Irmtraut**

J. Müller, Lerchenstr. 9, 56479 Irmtraut, Germany [j.j.mueller@onlinehome.de]  
 0.31-m  $f/4.8$  reflector + CCD  
 USNO-A2.0  
 2003 QQ<sub>10</sub>, 3, 1, 0; (1101), 6, 2, 2; (1747), 6, 2, 1; (1775), 6, 2, 2; (2078), 6, 2, 1; (3401), 6, 2, 1;  
 [33, 6, 0\*, 2003/08/20–2003/09/02]

**A26 Darmstadt**

H. Burkhard, Troyesstrasse 46, D-64297 Darmstadt, Germany [burkhardhr@t-online.de]  
 0.20-m Schmidt-Cassegrain + CCD  
 USNO-A2.0, UCAC-2  
 (897), 8, 1, 0; (1048), 5, 1, 0; (2100), 20, 2, 1; [33, 3, 0\*, 2003/05/07–2003/09/04]

**A28 Kempten**

M. Scheel, Volkssternwarte Kempten, Saarlandstrasse 1, D-87437 Kempten,  
 Germany [volkssternwarte-kempten@gmx.de]  
 0.46-m  $f/4.5$  reflector + CCD  
 USNO-A2.0  
 1981 ES<sub>2</sub>, 3, 1, 0; 1994 UL<sub>6</sub>, 3, 1, 0; 1996 YH, 5, 1, 0; 1998 FH<sub>12</sub>, 6, 1, 0; 1998 FF<sub>65</sub>, 8, 1, 0;  
 1998 HS<sub>98</sub>, 8, 1, 0; 1998 MX<sub>5</sub>, 5, 1, 0; 1999 GJ<sub>2</sub>, 4, 1, 0; 1999 JC<sub>55</sub>, 3, 1, 0; 1999 JW<sub>114</sub>, 8, 1, 0;  
 1999 VB<sub>180</sub>, 5, 1, 0; 2000 AL<sub>27</sub>, 8, 1, 0; 2000 AL<sub>101</sub>, 8, 1, 0; 2000 AK<sub>194</sub>, 5, 1, 0; 2000 AW<sub>230</sub>,  
 5, 1, 0; 2000 SO<sub>151</sub>, 6, 1, 0; 2000 WR<sub>48</sub>, 6, 1, 0; 2000 WL<sub>122</sub>, 3, 1, 0; 2000 XX<sub>27</sub>, 3, 1, 0;  
 2000 YR<sub>119</sub>, 3, 1, 0; 2001 BU<sub>45</sub>, 3, 1, 0; 2001 FN<sub>17</sub>, 6, 1, 0; 2001 FP<sub>22</sub>, 12, 2, 1; 2001 LF, 5, 1, 0;  
 2002 CZ<sub>49</sub>, 3, 1, 0; 2003 NO<sub>4</sub>, 5, 1, 0; 2003 OR<sub>14</sub>, 5, 1, 0; (136), 8, 1, 0; (365), 8, 1, 0; (1645), 8,  
 1, 0; (4233), 11, 2, 1; (5083), 8, 1, 0; (9644), 8, 1, 0; (12121), 4, 1, 0; (17216), 3, 1, 0; (33328), 7,  
 1, 0; (35967), 4, 1, 0; (38561), 8, 1, 0; (41400), 8, 1, 0; (42762), 6, 1, 0; (43059), 3, 1, 0; (50000),  
 3, 1, 0; [241, 42, 0\*, 2003/06/19–2003/08/07]

**A29 Santa Maria a Monte**

M. Bachini, Località Tavolaia, Santa Maria a Monte, I-56020 (PI), Italy  
 [maurobachini@tiscalinet.it]  
 0.40-m  $f/5$  reflector + CCD  
 GSC  
 (1101), 4, 1, 0; [4, 1, 0\*, 2003/07/22]

**A30 Rigel Observatory, Crespadoro**

S. Valentini, Via Scagi 06, Crespadoro (VI), Italy [stefanom42@libero.it]  
 Observer S. Valentini  
 Measurers S. Valentini, C. Negri  
 0.20-m  $f/10$  Schmidt-Cassegrain + CCD  
 GSC  
 1999 GJ<sub>2</sub>, 15, 3, 44; 2001 LF, 10, 2, 10; (1866), 4, 1, 0; (1951), 30, 4, 65; (3102), 3, 1, 0; (54509),  
 16, 1, 0; [78, 6, 0\*, 2003/06/18–2003/08/22]

**A34 Grosshabersdorf**

C. Sturm, Flurstraße 8, D-90613 Grosshabersdorf, Poseg, Germany  
 [christian.sturm@poseg.de]  
 0.20-m  $f/10$  Schmidt-Cassegrain + CCD  
 USNO-A2.0  
 (677), 4, 1, 0; (681), 4, 1, 0; (923), 3, 1, 0; (1101), 9, 2, 14; (1114), 5, 1, 0; (1337), 3, 1, 0;  
 (1828), 3, 1, 0; (2048), 5, 1, 0; (2150), 4, 1, 0; (2475), 4, 1, 0; (3522), 3, 1, 0; (3893), 5, 1, 0;  
 (3915), 1, 1, 0; (4395), 5, 1, 0; (4653), 4, 1, 0; (4899), 5, 1, 0; (42835), 3, 1, 0; [70, 17, 0\*,  
 2003/07/15–2003/08/16]

**A35 Hormersdorf Observatory**

J. Lorenz, An den drei Teichen 35, D-09395 Hormersdorf, Germany  
 [joachim.lorenz.hormersdorf@t-online.de]  
 0.30-m  $f/6$  Newtonian + CCD  
 USNO-A2.0  
 2000 SY<sub>240</sub>, 2, 1, 0; 2002 CX<sub>39</sub>, 2, 1, 0; 2002 CH<sub>263</sub>, 2, 1, 0; [6, 3, 0\*, 2003/06/25]

**A36 Ganda di Aviatico**

M. Banfi, Via Battisti 26, Nova Milanese, Milan, Italy [maxbanfi@tin.it]  
 Observers M. Banfi, G. Donzelli  
 Measurer M. Banfi  
 0.51-m  $f/5$  reflector + CCD  
 USNO-A2.0  
 (105), 4, 2, 1; (456), 4, 2, 1; (4125), 3, 2, 1; [11, 3, 0\*, 2003/08/18–2003/08/19]

**A38 Campocattino Automated Telescope, Collepardo**

G. Masi, Via Madonna de Loco 47, I-03023 Ceccano (FR), Italy  
 [gianluca@bellatrixobservatory.org]  
 Observers F. Mallia, G. Masi, U. Tagliaferri  
 Measurers U. Tagliaferri, F. Mallia, M. Di Sora  
 0.40-m  $f/8.0$  reflector + CCD  
 USNO-SA2.0  
 (3030), 3, 1, 0; (3367), 3, 1, 0; (5445), 3, 1, 0; (6056), 3, 1, 0; (6374), 3, 1, 0; (7318), 3, 1, 0; (10937),  
 3, 1, 0; (16145), 3, 1, 0; (23025), 3, 1, 0; (23813), 3, 1, 0; [30, 10, 0\*, 2003/06/27–2003/07/04]

**A39 Altenburg**

J. Kopplin, Geraer Str. 37, Altenburg, Germany [Joerg.Kopplin@t-online.de]  
 0.25-m  $f/4.0$  Schmidt-Cassegrain + CCD  
 USNO-A2.0  
 2003 HO<sub>49</sub>, 5, 2, 1; (1306), 6, 2, 1; (2074), 6, 2, 1; (5247), 6, 2, 1; (7369), 6, 2, 1; [29, 5, 0\*,  
 2003/08/25–2003/08/26]

**A50 Andrushivka Astronomical Observatory**

Yu. Ivashchenko, 3-7 Observatorna Sreet, Andrushivka, Zhytomyr reg, Ukraine  
[yurets@gluk.org]

Observers G. Butenko, O. Gerashchenko, V. Lokot, Y. Ivashchenko, G. Kovalchuk,  
D. Kyrylenko

0.6-m reflector + CCD

USNO-SA2.0

1998 TU<sub>3</sub>, 10, 1, 0; 1999 TL<sub>290</sub>, 4, 1, 0; 2000 AF<sub>82</sub>, 8, 1, 0; 2000 AQ<sub>132</sub>, 5, 1, 0; 2000 PG<sub>5</sub>, 3, 1, 0; 2001 CV<sub>26</sub>, 6, 1, 0; 2001 FC<sub>7</sub>, 5, 1, 0; 2001 KQ<sub>1</sub>, 6, 1, 0; 2001 LF<sub>4</sub>, 1, 0; 2002 GM<sub>73</sub>, 4, 1, 0; 2002 JT<sub>40</sub>, 10, 1, 0; 2003 BB<sub>43</sub>, 3, 1, 0; 2003 HL<sub>13</sub>, 13, 1, 0; 2003 KP<sub>2</sub>, 9, 1, 0; 2003 LG<sub>13</sub>, 13, 2, 1; 2003 LS<sub>3</sub>, 6, 1, 0; 2003 LO<sub>6</sub>, 7, 1, 0; 2003 LP<sub>6</sub>, 14, 2, 8; 2003 MA<sub>30</sub>, 30, 3, 9; 2003 MO<sub>17</sub>, 17, 1, 0; 2003 MU<sub>10</sub>, 10, 1, 0; 2003 MH<sub>4</sub>, 11, 2, 5; 2003 MK<sub>4</sub>, 24, 3, 15; 2003 MA<sub>7</sub>, 8, 1, 0; 2003 MC<sub>7</sub>, 24, 4, 24; 2003 MD<sub>7</sub>, 11, 1, 0; 2003 MF<sub>7</sub>, 8, 1, 0; 2003 MV<sub>7</sub>, 10, 2, 1; 2003 MS<sub>9</sub>, 6, 1, 0; 2003 NB<sub>16</sub>, 16, 3, 2; 2003 ND<sub>4</sub>, 4, 1, 0; 2003 NO<sub>4</sub>, 21, 3, 15; 2003 NS<sub>4</sub>, 5, 1, 0; 2003 NZ<sub>6</sub>, 22, 2, 1; 2003 NL<sub>7</sub>, 13, 2, 7; 2003 OV<sub>10</sub>, 2, 4; 2003 OF<sub>3</sub>, 7, 1, 0; 2003 OX<sub>7</sub>, 5, 1, 0; 2003 OQ<sub>13</sub>, 3, 1, 0; 2003 OT<sub>13</sub>, 5, 1, 0; 2003 OR<sub>14</sub>, 5, 1, 0; 2003 OJ<sub>20</sub>, 6, 1, 0; 2003 QC<sub>7</sub>, 7, 1, 0; 2003 QA<sub>30</sub>, 2, 1, 0; 2003 QR<sub>79</sub>, 7, 1, 0; 2003 QG<sub>96</sub>, 8, 1, 0; 2003 RB<sub>5</sub>, 14, 1, 0; 2003 RX<sub>7</sub>, 11, 1, 0; (5779), 2, 1, 0; (5905), 3, 1, 0; (9294), 6, 1, 0; (13348), 5, 1, 0; (19296), 5, 1, 0; (20559), 8, 1, 0; (21612), 4, 1, 0; (24526), 11, 1, 0; (34807), 6, 1, 0; (42521), 5, 1, 0; (43243), 5, 1, 0; [520, 59, 0\*, 2003/05/31–2003/09/07]

**B18 Terskol**

S. Barabanov, Institute of Astronomy of RAS, 48 Pyatnitskaya, Moscow 109017,  
Russia [inasan@burbonz.nalnet.ru]

Observers S. Barabanov, A. Sergeev

Measurers S. Barabanov, M. Smirnov

2.0-m  $f/1.78$  reflector + CCD

USNO-A2.0

2000 AE<sub>50</sub>, 3, 1, 0; 2000 ST<sub>169</sub>, 4, 1, 0; 2002 HP<sub>1</sub>, 2, 1, 0; 2003 NS<sub>1</sub>, 3, 1, 0; [12, 4, 0\*, 2000/02/07–2002/04/12]

**E14 Ngunnawal**

D. Higgins, 7 Mawalan Street, Ngunnawal, ACT 2913, Australia  
[higginsdj@bigpond.com]

0.25-m  $f/3.4$  Schmidt-Cassegrain + CCD

USNO-A2.0, UCAC-2

1992 NA<sub>8</sub>, 3, 40; 1997 AE<sub>12</sub>, 3, 1, 0; 1998 MX<sub>5</sub>, 4, 1, 0; 1999 KW<sub>4</sub>, 21, 7, 52; 1999 LT<sub>7</sub>, 7, 2, 4; 1999 LQ<sub>28</sub>, 3, 1, 0; 1999 TK<sub>2</sub>, 8, 3, 6; 1999 XO<sub>35</sub>, 3, 1, 0; 2000 LY<sub>27</sub>, 11, 4, 39; 2000 QP<sub>3</sub>, 3, 1, 0; 2000 YJ<sub>66</sub>, 12, 4, 13; 2001 CV<sub>26</sub>, 3, 1, 0; 2002 MQ<sub>3</sub>, 3, 1, 0; 2003 AL<sub>18</sub>, 3, 1, 0; 2003 DP<sub>13</sub>, 17, 6, 34; 2003 FT<sub>3</sub>, 6, 2, 12; 2003 HW<sub>11</sub>, 3, 1, 0; 2003 HA<sub>22</sub>, 6, 2, 12; 2003 HR<sub>32</sub>, 3, 1, 0; 2003 HB<sub>38</sub>, 3, 1, 0; 2003 JN<sub>14</sub>, 3, 1, 0; 2003 KF<sub>4</sub>, 3, 1, 0; 2003 KQ<sub>18</sub>, 3, 1, 0; 2003 KZ<sub>18</sub>, 3, 1, 0; 2003 LC<sub>5</sub>, 12, 4, 26; 2003 MA<sub>4</sub>, 1, 0; 2003 MT<sub>2</sub>, 3, 1, 0; 2003 MX<sub>2</sub>, 4, 1, 0; 2003 MJ<sub>4</sub>, 3, 1, 0; 2003 MW<sub>7</sub>, 3, 1, 0; 2003 NC<sub>3</sub>, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QZ<sub>29</sub>, 3, 1, 0; 2003 QL<sub>96</sub>, 3, 1, 0; (944), 3, 1, 0; (1980), 9, 3, 5; (3970), 3, 1, 0; (4769), 3, 1, 0; (4954), 9, 3, 22; (5653), 3, 1, 0; (5660), 3, 1, 0; (7003), 3, 1, 0; (15704), 3, 1, 0; (17188), 3, 1, 0; (52387), 3, 1, 0; [228, 45, 0\*, 2003/06/08–2003/09/08]

**E17 Leura**

J. Oey, 94 Rawson Pde., Leura, NSW, Australia [julianoey1@optusnet.com.au]

0.25-m  $f/11.2$  Schmidt-Cassegrain + CCD

USNO-A2.0

1999 XL<sub>37</sub>, 3, 1, 0; 2000 UP<sub>16</sub>, 3, 1, 0; 2001 EK<sub>14</sub>, 3, 1, 0; 2002 GH<sub>27</sub>, 3, 1, 0; (30), 3, 1, 0; (49), 3, 1, 0; (56), 10, 3, 2; (57), 6, 2, 2; (65), 3, 1, 0; (73), 3, 1, 0; (84), 3, 1, 0; (136), 3, 1, 0; (165), 7, 2, 1; (172), 3, 1, 0; (207), 3, 1, 0; (251), 5, 2, 1; (261), 3, 1, 0; (268), 3, 1, 0; (280), 6, 2, 1; (305), 3, 1, 0; (325), 3, 1, 0; (358), 3, 1, 0; (365), 3, 1, 0; (373), 3, 1, 0; (454), 3, 1, 0; (484), 3, 1, 0; (532), 3, 1, 0; (561), 3, 1, 0; (575), 3, 1, 0; (642), 3, 1, 0; (645), 6, 2, 1; (654), 3, 1, 0; (723), 3, 1, 0; (745), 3, 1, 0; (748), 3, 1, 0; (805), 3, 1, 0; (825), 3, 1, 0; (829), 3, 1, 0; (832), 3, 1, 0; (917), 6, 2, 1; (1064), 3, 1, 0; (1334), 6, 2, 2; (1428), 7, 2, 1; (1432), 3, 1, 0; (1457), 4, 2, 1; (1482), 3, 1, 0; (1486), 3, 1, 0; (1791), 3, 1, 0; (1858), 3, 1, 0; (1925), 3, 1, 0; (2011), 8, 2, 6; (2271), 3, 1, 0; (2373), 3, 1, 0; (2400), 3, 1, 0; (2730), 3, 1, 0; (3061), 3, 1, 0; (3332), 6, 1, 0; (3448), 3, 1, 0; (3484), 6, 2, 1; (3666), 3, 1, 0; (3958), 3, 1, 0; (4101), 2, 1, 0; (4224), 3, 1, 0; (4613), 3, 1, 0; (5722), 3, 1, 0; (6346), 3, 1, 0; (6475), 2, 1, 0; (6649), 3, 1, 0; (7024), 3, 1, 0; (8160), 3, 1, 0;

(8842), 3, 1, 0; (10721), 3, 1, 0; (11840), 3, 1, 0; (12377), 3, 1, 0; (17223), 3, 1, 0; (18399), 3, 1, 0; (19735), 3, 1, 0; (20391), 4, 1, 0; (43065), 3, 1, 0; [280, 79, 0\*, 2003/08/29–2003/09/05]

**E21 Norma Rose Observatory, Leyburn**

W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada

[Calgarian@canada.com]

Observers J. Riffle, W. K. Y. Yeung

0.45-m  $f/3$  reflector + CCD

GSC-ACT

1999 RR<sub>91</sub>, 2, 1, 0; 1999 TV<sub>113</sub>, 2, 1, 0; 2000 QC<sub>3</sub>, 5, 2, 1; 2000 QH<sub>121</sub>, 2, 1, 0; 2000 SC<sub>85</sub>, 2, 1, 0; 2001 BO<sub>47</sub>, 2, 1, 0; 2002 CN<sub>108</sub>, 5, 2, 1; 2002 EL<sub>49</sub>, 5, 2, 1; 2002 FH<sub>28</sub>, 5, 2, 1; 2002 GU<sub>137</sub>, 2, 1, 0; 2002 JX<sub>84</sub>, 3, 1, 0; 2003 OD<sub>13</sub>, 3, 1, 0; 2003 OJ<sub>17</sub>, 7, 2, 1; 2003 OK<sub>17</sub>, 5, 2, 1; 2003 PM<sub>4</sub> \*, 7, 2, 1; 2003 PN<sub>4</sub> \*, 5, 2, 1; 2003 PO<sub>4</sub> \*, 5, 2, 1; 2003 PP<sub>4</sub> \*, 5, 2, 1; 2003 PQ<sub>4</sub> \*, 7, 2, 1; 2003 PR<sub>4</sub> \*, 5, 2, 1; 5077 T-2, 3, 1, 0; (91), 2, 1, 0; (2316), 2, 1, 0; (8107), 2, 1, 0; (19571), 7, 2, 1; (20307), 3, 1, 0; (20379), 5, 2, 1; (21939), 4, 1, 0; (35408), 2, 1, 0; (39546), 2, 1, 0; (40480), 3, 1, 0; (65218), 3, 1, 0; [122, 32, 6\*, 2003/08/03–2003/08/04]

**G72 University Hills**

J. Foster, 4858 Seldner Ave, Los Angeles, CA 90032, U.S.A. [be686@lafn.org]

0.32-m  $f/5.6$  reflector + CCD

USNO-A2.0

2003 KP<sub>2</sub>, 5, 1, 0; 2003 RR<sub>8</sub>, 4, 1, 0; 2003 RS<sub>8</sub>, 3, 1, 0; [12, 3, 0\*, 2003/08/04–2003/09/08]

**G73 Mount Wilson-TIE**

K. Manno, 230 Mendham Road, Morristown, NJ 07960, U.S.A.

[kmanno@delbarton.org] (1)

Observers K. Manno, W. Crane

0.61-m  $f/3.5$  reflector + CCD

USNO-A2.0

{1} (3), 1, 1, 0; (148), 2, 2, 35; (737), 3, 1, 0; [6, 3, 0\*, 2003/06/29–2003/08/03]

**G76 Altimira Observatory, Coto de Caza**

R. K. Buchheim, 18 Altimira, Coto de Caza, CA 92679, U.S.A.

[rbuchheim@compuserve.com]

0.28-m  $f/6.3$  Schmidt-Cassegrain + CCD

USNO-A2

(405), 8, 2, 1; (1101), 10, 2, 1; (1499), 12, 2, 1; [30, 3, 0\*, 2003/08/30–2003/08/31]

**G78 Desert Wanderer Observatory, El Centro**

W. K. Y. Yeung, 139 Sandringham Place NW, Calgary, AB T3K 3V8, Canada

[Calgarian@canada.com]

0.45-m reflector + CCD

GSC-ACT

(46128), 3, 1, 0; [3, 1, 0\*, 2002/09/13]

**G88 LAMP Observatory, New River**

S. Loucks, LAMP Observatory, 2434 W. Black Canyon Drive, New River,

AZ 85087, U.S.A. [LAMP\_Obs@ix.netcom.com]

0.2-m  $f/6.7$  reflector + CCD

USNO-A2.0

(2491), 6, 2, 1; (5619), 6, 2, 1; [12, 2, 0\*, 2003/05/25–2003/06/02]

**G90 Three Buttes Observatory, Tucson**

G. R. Jones, P.O. Box 8645, Tucson, AZ 85738, U.S.A. [gil@threebuttes.com]

0.32-m Ritchey-Chrétien + CCD

USNO-A2.0

2003 NA<sub>3</sub>, 3, 1, 0; 2003 RZ<sub>5</sub>, 3, 1, 0; 2003 RX<sub>7</sub>, 3, 1, 0; 2003 RP<sub>8</sub>, 3, 1, 0; 2003 RQ<sub>8</sub>, 3, 1, 0; 2003 RR<sub>8</sub>, 3, 1, 0; 2003 RS<sub>8</sub>, 3, 1, 0; [21, 7, 0\*, 2003/07/02–2003/09/08]

**H33 Bixhoma Observatory, Bixby**

R. Gallagher, 10708 S 89th E Ave, Tulsa, OK 74133, U.S.A.

[rgallagher@olp.net]

0.25-m  $f/3.8$  Schmidt-Cassegrain + CCD

GSC

(3), 2, 1, 0; (4), 2, 1, 0; (8), 1, 1, 0; (9), 3, 2, 4; (11), 2, 1, 0; (16), 2, 1, 0; (21), 1, 1, 0; (22), 1, 1, 0; (23), 2, 1, 0; (24), 1, 1, 0; (28), 2, 1, 0; (33), 3, 1, 0; (230), 8, 1, 0; (737), 10, 1, 0; [40, 14, 0\*, 2003/06/03–2003/08/04]

**H36 Sandlot Observatory, Scranton**

G. Hug, 964 W. 149th St., Scranton, KS 66537, U.S.A. [frogstar@intergate.com]

0.3-m  $f/6$  reflector + CCD

USNO-SA2.0

1999 UB<sub>2</sub>, 3, 1, 0; 2003 PC<sub>11</sub>, 2, 1, 0; (16559), 3, 1, 0; (20435), 3, 1, 0; (23989), 3, 1, 0; [14, 5, 0\*, 2003/08/03–2003/08/17]**H39 S.O.S. Observatory, Minneapolis**

R. Durkee, S.O.S. Observatory, 5213 Washburn Ave. S., Minneapolis, MN 55410,

U.S.A. [rdurkee@bitstream.net]

0.28-m Schmidt-Cassegrain + CCD

USNO-A2.0

(1101), 4, 2, 1; (2150), 4, 2, 1; [8, 2, 0\*, 2003/07/23–2003/07/24]

**H40 Nubbin Ridge Observatory**

J. Hoskins, 157 Hoskins Trail, Royal, AR 71968, U.S.A. [nubbin1@hsnp.com]

Observers J. Hoskins, J. Patterson, P. Tanner

Measurer R. Clingan

0.36-m Schmidt-Cassegrain + CCD

USNO-A2.0

(149), 2, 1, 0; (803), 2, 1, 0; (2216), 2, 1, 0; (39368), 2, 1, 0; [8, 4, 0\*, 2003/06/29]

**H44 Cascade Mountain**

B. M. Sherrod, 794 Drake Drive, Conway, AR 72034, U.S.A. [brian@arksky.org]

0.41-m  $f/4.5$  reflector + CCD

USNO-A2.0

(2014), 5, 2, 3; (2048), 2, 1, 0; (2150), 2, 1, 0; (4899), 3, 1, 0; (6485), 3, 1, 0; (41406), 2, 1, 0; [17, 6, 0\*, 2003/07/12–2003/07/15]

**H59 Camp Cullom**

J. Mahony, 304 S. 6th #3W, Lafayette, IN 47901, U.S.A. [jmmahony@hotmail.com]

0.30-m Schmidt-Cassegrain + CCD

USNO-B1.0

1998 FH<sub>12</sub>, 5, 1, 0; 2000 WH<sub>56</sub>, 3, 1, 0; 2003 NW, 4, 1, 0; 2003 OB<sub>3</sub>, 5, 1, 0; 2003 OB<sub>4</sub>, 4, 1, 0; 2003 OS<sub>13</sub>, 4, 1, 0; 2003 OT<sub>13</sub>, 4, 1, 0; 2003 QA, 3, 1, 0; [32, 8, 0\*, 2003/06/24–2003/08/21]**H72 Evelyn L. Egan Observatory, Fort Myers**

M. Fauerbach, Florida Gulf Coast University, 10501 FGCU Blvd., Fort Myers,

FL 33965-6565, U.S.A. [mfauerba@fgcu.edu]

Observers M. Fauerbach, M. Mon

Measurer M. Fauerbach

0.40-m  $f/5.3$  reflector + CCD

USNO-SA2.0

1999 GJ<sub>2</sub>, 14, 3, 44; 2001 KZ<sub>66</sub>, 5, 2, 35; 2001 LF, 8, 2, 9; 2002 OA<sub>22</sub>, 3, 1, 0; 2003 AL<sub>18</sub>, 3, 1, 0; 2003 EJ<sub>16</sub>, 3, 1, 0; 2003 KP<sub>2</sub>, 5, 1, 0; 2003 LS<sub>3</sub>, 4, 1, 0; 2003 NB, 3, 1, 0; (540), 4, 1, 0; (1180), 2, 1, 0; (1951), 8, 2, 44; (18178), 4, 1, 0; (24445), 3, 1, 0; [69, 14, 0\*, 2003/07/01–2003/08/14]**I03 European Southern Obs., La Silla–ASTROVIRTEL**

C. Barbieri, Astronomical Observatory and Dept. of Astronomy of the

University of Padova, Vicolo Osservatorio 5, I-35122 Padova, Italy

[barbieri@pd.astro.it]

Measurers S. Magrin, S. Marchi, A. Migliorini

2.2-m reflector + CCD

USNO-A2.0

1995 FA<sub>6</sub>, 3, 1, 0; 1998 FX<sub>133</sub>, 2, 1, 0; 1998 QN<sub>31</sub>, 3, 1, 0; 1998 QB<sub>41</sub>, 3, 1, 0; 1998 SB<sub>25</sub>, 3, 1, 0; 1998 SC<sub>87</sub>, 3, 1, 0; 1998 TS<sub>33</sub>, 3, 1, 0; 1998 VN<sub>4</sub>, 3, 1, 0; 1998 WE<sub>19</sub>, 3, 1, 0; 1998 YX<sub>5</sub>, 5, 1, 0; 1999 BM<sub>3</sub>, 5, 1, 0; 1999 CE<sub>90</sub>, 6, 2, 1; 1999 XE<sub>38</sub>, 3, 1, 0; 2000 AF<sub>40</sub>, 3, 1, 0; 2000 HF<sub>5</sub>, 3, 1, 0; 2000 HN<sub>32</sub>, 3, 1, 0; 2000 KE<sub>37</sub>, 3, 1, 0; 2000 KY<sub>39</sub>, 3, 1, 0; 2000 MD<sub>7</sub> \*, 6, 2, 1; 2000 ME<sub>7</sub> \*, 6, 2, 1; 2000 MF<sub>7</sub> \*, 6, 2, 1; 2000 MG<sub>7</sub> \*, 6, 2, 1; 2000 MH<sub>7</sub> \*, 6, 2, 1; 2000 MJ<sub>7</sub> \*, 6, 2, 1; 2000 MK<sub>7</sub> \*, 6, 2, 1; 2000 ML<sub>7</sub> \*, 6, 2, 1; 2000 QX<sub>34</sub>, 3, 1, 0; 2000 QB<sub>60</sub>, 3, 1, 0; 2000 QE<sub>89</sub>, 5, 1, 0; 2000 QU<sub>252</sub>, 2, 1, 0; 2000 SJ<sub>239</sub>, 4, 1, 0; 2000 SP<sub>323</sub>, 4, 1, 0; 2000 YY<sub>52</sub>, 6, 1, 0; 2001 HF<sub>3</sub>, 3, 1, 0; 2001 HT<sub>67</sub> \*, 6, 2, 1; 2001 HU<sub>67</sub> \*, 6, 2, 1; 2001 HV<sub>67</sub> \*, 5, 2, 1; 2001 HW<sub>67</sub> \*, 6, 2, 1; 2001 QB<sub>285</sub>, 3, 1, 0; 2001 SY<sub>149</sub>, 3, 1, 0; 2001 TW<sub>61</sub>, 2, 2, 1; 2001 UD<sub>188</sub>, 2, 1, 0; 2001 VS<sub>10</sub>, 5, 1, 0; 2001 XV<sub>33</sub>, 4, 1, 0; 2001 XT<sub>214</sub>, 3, 1, 0; 2001 XK<sub>231</sub>, 5, 1, 0; 2001 YN<sub>18</sub>, 4, 1, 0; 2002 AV<sub>95</sub>, 4, 1, 0; 2002 RR<sub>12</sub>, 3, 1, 0; 2002 RM<sub>233</sub>, 3, 1, 0; 2002 VX<sub>41</sub>, 3, 1, 0; 2002 YO<sub>17</sub>, 3, 1, 0; 2003 CN<sub>23</sub>, 2, 1, 0; 1604 T-2, 3, 1, 0; (3389), 3, 1, 0; (4647), 8, 2, 2; (4810), 4, 1, 0; (5444), 3, 1, 0; (7673), 3, 1, 0; (8173), 5, 1, 0; (9706), 3, 1, 0; (17234), 3, 1, 0; (18579), 3, 1, 0; (20445), 3, 1, 0; (22739), 3, 1, 0; (24849), 3, 1, 0; (25765), 3, 1, 0; (28523), 3, 1, 0; (28845), 3, 1, 0; (29949), 3, 1, 0; (30284), 6, 2, 1; (30313), 3, 1, 0; (31976), 3, 1, 0; (34189), 3, 1, 0; (35232), 3, 1, 0; (36598), 2, 2, 1; (38879), 3, 1, 0; (43871), 3, 1, 0; (47941), 3, 1, 0; (49481), 3, 1, 0; (51162), 5, 1, 0; (51208), 3, 1, 0; (51944), 3, 1, 0; (52244), 5, 1, 0; (52461), 3, 1, 0; (56272), 6, 1, 0; (58692), 4, 1, 0; (59575), 3, 1, 0; (62235), 4, 1, 0; (64345), 2, 2, 1; [339, 90, 12\*, 1999/07/15–2003/03/03]**J56 Observatorio La Avezjerilla**

J. L. Doreste C., C/ Rafael Mesa y Lopez 67, 5 Dcha., E-35012, Las Palmas de

Gran Canaria, Canary Islands, Spain [jdoreste@iusiani.ulpgc.es]

Observers J. C. Alcazar, J. L. Doreste

0.254-m Schmidt-Cassegrain + CCD

GSC-ACT

(584), 6, 3, 2; (690), 6, 3, 2; (779), 6, 3, 2; (917), 6, 3, 2; (1166), 6, 3, 2; [30, 5, 0\*, 2003/07/25–2003/07/28]

**J86 Sierra Nevada Observatory**

J. L. Ortiz, Instituto de Astrofísica de Andalucía, Camino Bajo de Huetor 24, E-

18008 Granada, Spain [Ortiz@iaa.es]

Observer A. Sota

1.50-m  $f/8.0$  Ritchey-Chrétien + CCD

USNO-B1.0, USNO-SA2.0

2003 KT<sub>13</sub>, 6, 3, 12; 2003 MB \*, 9, 4, 4; 2003 MF \*, 7, 3, 2; [22, 3, 2\*, 2003/06/10–2003/06/23]**J87 La Cañada**

J. Lacruz, Ramon Gomez de la Serna 83 7F, E-28035 Madrid, Spain

[juan.lacruz@yahoo.com]

Observers J. Lacruz, J. A. Lacruz, J. M. Lacruz

0.30-m  $f/3.3$  Schmidt-Cassegrain + CCD

USNO-A2.0, USNO-SA2.0, UCAC-2

1997 AE<sub>12</sub>, 12, 4, 56; 1998 MX<sub>5</sub>, 15, 5, 35; 1998 QH<sub>2</sub>, 6, 2, 11; 1999 GJ<sub>2</sub>, 20, 6, 41; 1999 US<sub>3</sub>, 1, 1, 0; 2000 OL<sub>8</sub>, 6, 2, 7; 2000 QP, 12, 4, 10; 2000 YJ<sub>66</sub>, 10, 3, 10; 2001 KZ<sub>66</sub>, 9, 3, 41; 2001 LF, 15, 4, 35; 2001 PM<sub>9</sub>, 3, 1, 0; 2002 CZ<sub>46</sub>, 8, 2, 5; 2002 OA<sub>22</sub>, 23, 8, 40; 2002 QF<sub>15</sub>, 5, 2, 7; 2002 YB<sub>12</sub>, 17, 5, 13; 2003 FT<sub>3</sub>, 22, 7, 41; 2003 HM<sub>16</sub>, 17, 5, 77; 2003 HA<sub>22</sub>, 12, 4, 10; 2003 KP<sub>2</sub>, 10, 4, 22; 2003 KR<sub>18</sub>, 19, 6, 56; 2003 LQ<sub>3</sub>, 22, 3, 31; 2003 LS<sub>3</sub>, 16, 5, 13; 2003 MT<sub>2</sub>, 8, 3, 30; 2003 MK<sub>4</sub>, 8, 2, 22; 2003 NB, 9, 3, 35; 2003 NM<sub>3</sub>, 4, 1, 0; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 NA<sub>7</sub>, 3, 1, 0; 2003 OV, 10, 1, 0; 2003 OT<sub>2</sub>, 3, 1, 0; 2003 OB<sub>3</sub>, 3, 1, 0; 2003 OX<sub>7</sub>, 4, 1, 0; 2003 OQ<sub>13</sub>, 3, 1, 0; 2003 OS<sub>13</sub>, 1, 1, 0; 2003 OR<sub>14</sub>, 3, 1, 0; 2003 PJ, 3, 1, 0; 2003 PT<sub>5</sub>, 2, 1, 0; 2003 PQ<sub>9</sub>, 3, 1, 0; 2003 QA, 3, 1, 0; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QY<sub>29</sub>, 3, 1, 0; 2003 QZ<sub>29</sub>, 4, 1, 0; 2003 QA<sub>30</sub>, 4, 1, 0; 2003 QY<sub>30</sub>, 3, 1, 0; 2003 QZ<sub>30</sub>, 6, 2, 11; 2003 QB<sub>31</sub>, 3, 1, 0; 2003 QQ<sub>47</sub>, 5, 1, 0; 2003 QE<sub>57</sub>, 3, 1, 0; 2003 QA<sub>90</sub>, 3, 1, 0; 2003 QH<sub>96</sub>, 6, 2, 1; 2003 RB<sub>5</sub>, 5, 1, 0; 2003 RZ<sub>5</sub>, 4, 1, 0; 2003 RA<sub>6</sub>, 3, 1, 0; 2003 RD<sub>6</sub>, 3, 1, 0; 2003 RW<sub>7</sub>, 3, 1, 0; (1866), 8, 3, 35; (1951), 12, 4, 42; (3102), 14, 4, 41; (4197), 4, 1, 0;

(4587), 9, 3, 9; (5863), 3, 1, 0; (7336), 12, 4, 28; (8013), 11, 3, 41; (8162), 3, 1, 0; (11967), 5, 1, 0; (17188), 2, 1, 0; (22328), 3, 1, 0; (22653), 3, 1, 0; (24031), 4, 1, 0; (24445), 18, 6, 34; (25529), 3, 1, 0; (25872), 17, 5, 28; (37655), 3, 1, 0; (54789), 9, 3, 41; [557, 74, 0\*, 2003/06/20–2003/09/06]

### J93 Mount Tuffley Observatory, Gloucester

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[jfmto@blueyonder.co.uk]

0.254-m  $f/5.5$  Schmidt-Cassegrain + CCD  
USNO-A2.0

1997 AE<sub>12</sub>, 14, 4, 35; 2000 OL<sub>8</sub>, 8, 2, 5; 2002 OA<sub>22</sub>, 4, 1, 0; 2003 KP<sub>2</sub>, 4, 1, 0; 2003 QZ<sub>30</sub>, 4, 1, 0; (1951), 3, 1, 0; (2100), 20, 6, 41; (7336), 3, 1, 0; (24445), 3, 1, 0; (25529), 3, 1, 0; (37655), 11, 3, 4; [77, 11, 0\*, 2003/07/27–2003/09/06]

### J94 Abbeydale

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0.2-m  $f/5.2$  Schmidt-Cassegrain + CCD  
USNO-A2.0

(1101), 3, 1, 0; (1103), 3, 1, 0; (1499), 3, 1, 0; [9, 3, 0\*, 2003/08/02–2003/08/08]

### J95 Great Shefford

P. Birtwhistle, Phlox Cottage, Wantage Road, Great Shefford, Berkshire RG17 7DA, England [peter@birtwhi.demon.co.uk]

0.30-m  $f/6.3$  Schmidt-Cassegrain + CCD  
USNO-B1.0, UCAC-2

1996 TA<sub>36</sub>, 3, 1, 0; 1999 RE<sub>81</sub>, 3, 1, 0; 2002 CY<sub>219</sub>, 3, 1, 0; 2002 DQ, 5, 2, 1; 2002 DD<sub>4</sub>, 2, 1, 0; 2002 YB<sub>12</sub>, 2, 1, 0; 2003 DF<sub>6</sub>, 2, 1, 0; 2003 LN<sub>6</sub>, 2, 1, 0; 2003 LO<sub>6</sub>, 5, 2, 7; 2003 LP<sub>6</sub>, 7, 2, 2; 2003 MA, 3, 1, 0; 2003 ME, 3, 1, 0; 2003 MM, 3, 1, 0; 2003 MO, 9, 3, 5; 2003 MU, 2, 1, 0; 2003 ME<sub>1</sub>, 10, 3, 4; 2003 MF<sub>1</sub>, 3, 1, 0; 2003 MA<sub>3</sub>, 2, 1, 0; 2003 MH<sub>4</sub>, 5, 2, 3; 2003 MK<sub>4</sub>, 21, 7, 30; 2003 MZ<sub>6</sub>, 2, 1, 0; 2003 MA<sub>7</sub>, 3, 1, 0; 2003 MB<sub>7</sub>, 4, 1, 0; 2003 MC<sub>7</sub>, 5, 2, 14; 2003 MW<sub>7</sub>, 4, 1, 0; 2003 MT<sub>9</sub>, 2, 1, 0; 2003 NW<sub>1</sub>, 10, 4, 19; 2003 NO<sub>4</sub>, 3, 1, 0; 2003 NE<sub>5</sub>, 5, 1, 0; 2003 NE<sub>6</sub>, 2, 1, 0; 2003 NZ<sub>6</sub>, 24, 5, 10; 2003 NL<sub>8</sub>, 6, 2, 1; 2003 OS, 3, 1, 0; 2003 OA<sub>3</sub>, 3, 1, 0; 2003 OX<sub>7</sub>, 6, 2, 7; 2003 OT<sub>13</sub>, 10, 4, 7; 2003 OR<sub>14</sub>, 10, 3, 16; 2003 OW<sub>16</sub>, 3, 1, 0; 2003 OX<sub>16</sub>, 3, 1, 0; 2003 OY<sub>16</sub>, 3, 1, 0; 2003 ON<sub>29</sub>, 2, 1, 0; 2003 PJ, 3, 1, 0; 2003 PQ<sub>9</sub>, 3, 1, 0; 2003 PC<sub>11</sub>, 3, 1, 0; 2003 PR<sub>11</sub>, 5, 2, 9; 2003 QA, 20, 6, 13; 2003 QC, 3, 1, 0; 2003 QX<sub>3</sub>, 3, 1, 0; 2003 QH<sub>5</sub>, 10, 4, 13; 2003 QU<sub>5</sub>, 5, 2, 5; 2003 QB<sub>10</sub>, 3, 1, 0; 2003 QC<sub>10</sub>, 15, 5, 16; 2003 QQ<sub>10</sub>, 3, 1, 0; 2003 QS<sub>10</sub>, 3, 1, 0; 2003 QU<sub>10</sub>, 3, 1, 0; 2003 QY<sub>29</sub>, 8, 3, 10; 2003 QB<sub>30</sub>, 2, 1, 0; 2003 QW<sub>30</sub>, 3, 1, 0; 2003 QA<sub>31</sub>, 3, 1, 0; 2003 QB<sub>31</sub>, 2, 1, 0; 2003 QQ<sub>47</sub>, 15, 5, 8; 2003 QE<sub>57</sub>, 3, 1, 0; 2003 QF<sub>70</sub>, 3, 1, 0; 2003 QR<sub>79</sub>, 9, 3, 8; 2003 QG<sub>96</sub>, 3, 1, 0; 2003 QO<sub>104</sub>, 6, 2, 1; 2003 RS<sub>1</sub>, 19, 4, 4; 2003 RE<sub>2</sub>, 4, 1, 0; 2003 RB<sub>5</sub>, 19, 3, 3; 2003 RY<sub>5</sub>, 3, 1, 0; 2003 RZ<sub>5</sub>, 5, 1, 0; 2003 RD<sub>6</sub>, 3, 1, 0; 2003 RX<sub>7</sub>, 6, 2, 1; 2003 RP<sub>8</sub>, 4, 1, 0; 2003 RQ<sub>8</sub>, 3, 1, 0; 2003 RR<sub>8</sub>, 3, 1, 0; 2003 RS<sub>8</sub>, 3, 1, 0; (11967), 3, 1, 0; (43252), 3, 1, 0; (54509), 3, 1, 0; [428, 80, 1\*, 2003/06/20–2003/09/08]

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### C/2001 Q4 (NEAT)

Epoch 2004 June 4.0 TT = JDT 2453160.5

| $T$                                                                               | 2004 May 15.9546 TT |                   | MPC        |            |
|-----------------------------------------------------------------------------------|---------------------|-------------------|------------|------------|
| $q$                                                                               | 0.961886            | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| $z$                                                                               | −0.000782           | $\omega$ 1.2074   | −0.8651775 | −0.0662338 |
|                                                                                   | ±0.000003           | $\Omega$ 210.2779 | −0.4679539 | −0.2496439 |
| $e$                                                                               | 1.000752            | $i$ 99.6421       | −0.1802414 | +0.9660699 |
| From 220 observations 2001 Aug. 24–2003 Sept. 3, mean residual 0 <sup>u</sup> .7. |                     |                   |            |            |

### C/2002 CE<sub>10</sub> (LINEAR)

Epoch 2003 June 10.0 TT = JDT 2452800.5

| $T$                                                                               | 2003 June 22.0988 TT |                   | MPC        |            |
|-----------------------------------------------------------------------------------|----------------------|-------------------|------------|------------|
| $q$                                                                               | 2.046759             | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| $n$                                                                               | 0.0320512            | $\omega$ 126.1882 | +0.8554095 | +0.4185434 |
| $a$                                                                               | 9.815374             | $\Omega$ 147.4441 | +0.0405651 | −0.6414087 |
| $e$                                                                               | 0.791474             | $i$ 145.4586      | +0.5163613 | −0.6429746 |
| $P$                                                                               | 30.8                 |                   |            |            |
| From 308 observations 2002 Jan. 15–2003 Sept. 7, mean residual 0 <sup>u</sup> .5. |                      |                   |            |            |

### P/2002 T6 (NEAT-LINEAR)

Epoch 2003 June 10.0 TT = JDT 2452800.5

| $T$                                                                                | 2003 June 27.0049 TT |                   | MPC        |            |
|------------------------------------------------------------------------------------|----------------------|-------------------|------------|------------|
| $q$                                                                                | 3.387077             | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| $n$                                                                                | 0.0465733            | $\omega$ 217.5707 | +0.4023248 | −0.9107899 |
| $a$                                                                                | 7.650881             | $\Omega$ 209.0463 | +0.8794478 | +0.4126353 |
| $e$                                                                                | 0.557296             | $i$ 11.0092       | +0.2543743 | +0.0139248 |
| $P$                                                                                | 21.2                 |                   |            |            |
| From 171 observations 2002 Sept. 15–2003 Aug. 31, mean residual 0 <sup>u</sup> .6. |                      |                   |            |            |

### C/2002 T7 (LINEAR)

Epoch 2004 Apr. 25.0 TT = JDT 2453120.5

| $T$                                                                                | 2004 Apr. 23.0763 TT |                   | MPC        |            |
|------------------------------------------------------------------------------------|----------------------|-------------------|------------|------------|
| $q$                                                                                | 0.614585             | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| $z$                                                                                | −0.000807            | $\omega$ 157.7380 | +0.4343838 | −0.8376024 |
|                                                                                    | ±0.000003            | $\Omega$ 94.8580  | −0.8683819 | −0.2917634 |
| $e$                                                                                | 1.000496             | $i$ 160.5822      | −0.2392145 | −0.4618401 |
| From 1581 observations 2002 Oct. 12–2003 Sept. 7, mean residual 0 <sup>u</sup> .5. |                      |                   |            |            |

### C/2002 VQ<sub>94</sub> (LINEAR)

Epoch 2006 Jan. 25.0 TT = JDT 2453760.5

| $T$                                                                               | 2006 Feb. 6.6569 TT |                   | MPC        |            |
|-----------------------------------------------------------------------------------|---------------------|-------------------|------------|------------|
| $q$                                                                               | 6.796717            | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| $z$                                                                               | +0.004876           | $\omega$ 100.0364 | −0.3311953 | −0.7731001 |
|                                                                                   | ±0.000000           | $\Omega$ 35.0164  | −0.2142081 | −0.4967313 |
| $e$                                                                               | 0.966856            | $i$ 70.5154       | +0.9189258 | −0.3944290 |
| From 167 observations 2001 Oct. 27–2003 Sept. 5, mean residual 0 <sup>u</sup> .5. |                     |                   |            |            |

**C/2003 K4 (LINEAR)**

Epoch 2004 Oct. 2.0 TT = JDT 2453280.5

| <i>T</i> | 2004 Oct. 13.7066 TT |                   | MPC        |            |
|----------|----------------------|-------------------|------------|------------|
| <i>q</i> | 1.023580             | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| <i>z</i> | −0.000355            | $\omega$ 198.4420 | −0.9693808 | +0.0876932 |
|          | ±0.000014            | $\Omega$ 18.6770  | +0.0032843 | +0.9386080 |
| <i>e</i> | 1.000364             | <i>i</i> 134.2533 | −0.2455403 | −0.3336539 |

From 826 observations 2003 May 28–Sept. 7, mean residual 0<sup>u</sup>.5.

**C/2003 L2 (LINEAR)**

Epoch 2004 Feb. 5.0 TT = JDT 2453040.5

| <i>T</i> | 2004 Jan. 19.2334 TT |                   | MPC        |            |
|----------|----------------------|-------------------|------------|------------|
| <i>q</i> | 2.864595             | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| <i>z</i> | +0.006485            | $\omega$ 119.8549 | +0.0888191 | −0.1225246 |
|          | ±0.000011            | $\Omega$ 273.5575 | +0.1210031 | +0.9863824 |
| <i>e</i> | 0.981423             | <i>i</i> 82.0510  | +0.9886705 | −0.1097158 |

From 292 observations 2003 June 12–Sept. 6, mean residual 0<sup>u</sup>.7.

**C/2003 O1 (LINEAR)**

Epoch 2004 Mar. 16.0 TT = JDT 2453080.5

| <i>T</i> | 2004 Mar. 17.1770 TT |                   | MPC        |            |
|----------|----------------------|-------------------|------------|------------|
| <i>q</i> | 6.847289             | (2000.0)          | <b>P</b>   | <b>Q</b>   |
| <i>z</i> | −0.000182            | $\omega$ 81.6698  | +0.0421764 | −0.9810749 |
|          | ±0.000018            | $\Omega$ 347.6434 | −0.7920775 | +0.0824531 |
| <i>e</i> | 1.001244             | <i>i</i> 117.9815 | +0.6089617 | +0.1751957 |

From 182 observations 2002 July 27–2003 Aug. 30, mean residual 0<sup>u</sup>.6.

**P/2003 O2 (LINEAR)***T* 2003 Sept. 5.8095 TT

| <i>q</i> | 1.505324  | (2000.0)          | <b>P</b>   | <b>Q</b>   |
|----------|-----------|-------------------|------------|------------|
| <i>n</i> | 0.1125423 | $\omega$ 32.7221  | +0.9494338 | −0.3067599 |
| <i>a</i> | 4.248728  | $\Omega$ 344.7059 | +0.2046310 | +0.7661698 |
| <i>e</i> | 0.645700  | <i>i</i> 14.6892  | +0.2381209 | +0.5646965 |

*P* 8.76

From 233 observations 2003 July 29–Sept. 8.

**P/2003 O3 (LINEAR)***T* 2003 Aug. 14.0639 TT

| <i>q</i> | 1.246332  | (2000.0)          | <b>P</b>   | <b>Q</b>   |
|----------|-----------|-------------------|------------|------------|
| <i>n</i> | 0.1802801 | $\omega$ 0.7631   | +0.9524104 | +0.3013036 |
| <i>a</i> | 3.103399  | $\Omega$ 341.4981 | −0.2804305 | +0.8067568 |
| <i>e</i> | 0.598398  | <i>i</i> 8.3634   | −0.1194700 | +0.5082908 |

*P* 5.47

From 177 observations 2003 July 30–Sept. 8.

**P/2003 QX<sub>29</sub> (NEAT)***T* 2002 Nov. 9.417 TT

| <i>q</i> | 4.28403  | (2000.0)         | <b>P</b>  | <b>Q</b>  |
|----------|----------|------------------|-----------|-----------|
| <i>n</i> | 0.044746 | $\omega$ 39.882  | +0.549271 | +0.812237 |
| <i>a</i> | 7.85783  | $\Omega$ 264.300 | −0.808186 | +0.456591 |
| <i>e</i> | 0.45481  | <i>i</i> 11.383  | −0.212452 | +0.363038 |

*P* 22.0

From 61 observations 2003 Aug. 23–Sept. 5.

**C/2003 R1 (LINEAR)***T* 2003 July 10.159 TT

| <i>q</i> | 2.15472 | (2000.0)         | <b>P</b>  | <b>Q</b>  |
|----------|---------|------------------|-----------|-----------|
|          |         | $\omega$ 306.584 | +0.639697 | +0.767929 |
|          |         | $\Omega$ 356.281 | +0.760390 | −0.638487 |
| <i>e</i> | 1.0     | <i>i</i> 149.675 | −0.112229 | +0.051172 |

From 53 observations 2003 Sept. 2–8.

**S/2003 J 7**

Epoch 2003 June 10.0 TT = JDT 2452800.5

| <i>M</i> | 57.05091   | (2000.0)           | <b>P</b>    | <b>Q</b>    |
|----------|------------|--------------------|-------------|-------------|
| <i>n</i> | 0.47576881 | $\omega$ 97.26571  | −0.09891021 | +0.99155126 |
| <i>a</i> | 0.1600203  | $\Omega$ 193.81300 | +0.71640576 | +0.12948752 |
| <i>e</i> | 0.4097016  | <i>i</i> 159.42093 | +0.69063706 | +0.00768702 |

*P* 756.67 d *H* 15.8 *G* 0.15

From 28 observations 2003 Feb. 8–June 2, mean residual 0<sup>u</sup>.32.**S/2002 N 1**

Epoch 2003 June 10.0 TT = JDT 2452800.5

| <i>M</i> | 110.70118  | (2000.0)           | <b>P</b>    | <b>Q</b>    |
|----------|------------|--------------------|-------------|-------------|
| <i>n</i> | 0.19206609 | $\omega$ 156.93689 | +0.64269074 | +0.51842738 |
| <i>a</i> | 0.1106990  | $\Omega$ 217.40004 | +0.47387562 | +0.30952881 |
| <i>e</i> | 0.2596736  | <i>i</i> 111.76553 | +0.60198880 | −0.79713548 |

*P* 1874.35 d *H* 9.8 *G* 0.15

From 36 observations 2001 Aug. 10–2003 Aug. 30, mean residual 0<sup>u</sup>.42.**S/2003 N 1**

Epoch 2003 June 10.0 TT = JDT 2452800.5

| <i>M</i> | 230.62911  | (2000.0)           | <b>P</b>    | <b>Q</b>    |
|----------|------------|--------------------|-------------|-------------|
| <i>n</i> | 0.03741397 | $\omega$ 126.75852 | −0.74785320 | −0.39235555 |
| <i>a</i> | 0.3294238  | $\Omega$ 319.63106 | −0.22288240 | +0.90823023 |
| <i>e</i> | 0.2679334  | <i>i</i> 124.23055 | +0.62533113 | −0.14551622 |

*P* 9622.07 d *H* 10.8 *G* 0.15

From 21 observations 2001 Aug. 11–2003 Aug. 30, mean residual 0<sup>u</sup>.59.**Uranus XVI (Caliban)**

Epoch 2003 June 10.0 TT = JDT 2452800.5

| <i>M</i> | 86.15599   | (2000.0)           | <b>P</b>    | <b>Q</b>    |
|----------|------------|--------------------|-------------|-------------|
| <i>n</i> | 0.62119980 | $\omega$ 339.02694 | −0.95350208 | −0.29644056 |
| <i>a</i> | 0.0479018  | $\Omega$ 175.16130 | −0.08611193 | +0.44086227 |
| <i>e</i> | 0.0802072  | <i>i</i> 139.86111 | −0.28882263 | +0.84720921 |

*P* 579.52 d *H* 9.0 *G* 0.15

From 74 observations 1984 June 2–2003 Aug. 29, mean residual 0<sup>u</sup>.37.**Uranus XVII (Sycorax)**

Epoch 2003 June 10.0 TT = JDT 2452800.5

| <i>M</i> | 254.51891  | (2000.0)           | <b>P</b>    | <b>Q</b>    |
|----------|------------|--------------------|-------------|-------------|
| <i>n</i> | 0.28001529 | $\omega$ 16.40804  | −0.47448947 | −0.75748262 |
| <i>a</i> | 0.0814800  | $\Omega$ 256.04293 | −0.85061476 | +0.26346318 |
| <i>e</i> | 0.5157970  | <i>i</i> 152.47983 | −0.22652652 | +0.59733343 |

*P* 1285.64 d *H* 7.2 *G* 0.15

From 157 observations 1997 Sept. 6–2003 Aug. 29, mean residual 0<sup>u</sup>.45.



**Uranus XVIII (Prospero)**

Epoch 2003 June 10.0 TT = JDT 2452800.5

MPC

| <i>M</i> | 115.49897  | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.18203265 | $\omega$ 173.47014 | -0.82353020   | +0.44205870 |
| <i>a</i> | 0.1085774  | $\Omega$ 320.16715 | +0.49212533   | +0.86844520 |
| <i>e</i> | 0.3223696  | <i>i</i> 146.28957 | +0.28215362   | -0.22447059 |
| <i>P</i> | 1977.67 d  | <i>H</i> 10.5      | <i>G</i> 0.15 |             |

From 37 observations 1999 July 18–2003 Aug. 29, mean residual 0".42.

**Uranus XIX (Setebos)**

Epoch 2003 June 10.0 TT = JDT 2452800.5

MPC

| <i>M</i> | 20.50088   | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.16163462 | $\omega$ 2.59853   | -0.37245032   | -0.76860717 |
| <i>a</i> | 0.1175302  | $\Omega$ 250.29236 | -0.86112451   | +0.07724446 |
| <i>e</i> | 0.5613221  | <i>i</i> 146.46267 | -0.34604239   | +0.63504040 |
| <i>P</i> | 2227.25 d  | <i>H</i> 10.6      | <i>G</i> 0.15 |             |

From 48 observations 1999 July 18–2003 Aug. 29, mean residual 0".37.

**Uranus XX (Stephano)**

Epoch 2003 June 10.0 TT = JDT 2452800.5

MPC

| <i>M</i> | 201.69220  | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.53112972 | $\omega$ 29.99513  | -0.91978517   | +0.37841221 |
| <i>a</i> | 0.0531747  | $\Omega$ 189.67577 | +0.09885351   | +0.47970515 |
| <i>e</i> | 0.1433758  | <i>i</i> 141.80739 | +0.37976734   | +0.79163575 |
| <i>P</i> | 677.80 d   | <i>H</i> 11.6      | <i>G</i> 0.15 |             |

From 34 observations 1999 July 18–2003 Aug. 29, mean residual 0".52.

**Uranus XXI (Trinculo)**

Epoch 2003 June 10.0 TT = JDT 2452800.5

MPC

| <i>M</i> | 66.15245   | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.48041803 | $\omega$ 161.46461 | +0.79608360   | +0.60020014 |
| <i>a</i> | 0.0568538  | $\Omega$ 198.98803 | +0.52075148   | -0.61410200 |
| <i>e</i> | 0.2204857  | <i>i</i> 166.21507 | +0.30833229   | -0.51248271 |
| <i>P</i> | 749.35 d   | <i>H</i> 12.8      | <i>G</i> 0.15 |             |

From 26 observations 2001 Aug. 13–2003 Aug. 29, mean residual 0".26.

**SUMMARY OF NEW NUMBERINGS**

The following summary of new numberings of minor planets lists for each object the number, principal provisional designation, date of discovery, observatory code of the discovery site and the names of the discoverers. A separate table lists orbital elements and absolute magnitudes (the slope parameter *G* being 0.15 in every case). Further details, including additional identifications and residuals, are given in the *Minor Planet Circulars Orbit Supplement*.

|         |                       |            |     |                          |
|---------|-----------------------|------------|-----|--------------------------|
| (65635) | 1977 EA <sub>8</sub>  | 1977 03 12 | 381 | Kosai, H., Hurukawa, K.  |
| (65636) | 1979 ME <sub>1</sub>  | 1979 06 24 | 413 | Helin, E. F., Bus, S. J. |
| (65637) | 1979 VS <sub>2</sub>  | 1979 11 14 | 095 | Zhuravleva, L. V.        |
| (65638) | 1981 DN <sub>1</sub>  | 1981 02 28 | 413 | Bus, S. J.               |
| (65639) | 1981 DS <sub>2</sub>  | 1981 02 28 | 413 | Bus, S. J.               |
| (65640) | 1981 DY <sub>2</sub>  | 1981 02 28 | 413 | Bus, S. J.               |
| (65641) | 1981 DR <sub>3</sub>  | 1981 02 28 | 413 | Bus, S. J.               |
| (65642) | 1981 ES <sub>2</sub>  | 1981 03 02 | 413 | Bus, S. J.               |
| (65643) | 1981 EH <sub>12</sub> | 1981 03 01 | 413 | Bus, S. J.               |

|         |                       |            |     |                              |
|---------|-----------------------|------------|-----|------------------------------|
| (65644) | 1981 EO <sub>12</sub> | 1981 03 01 | 413 | Bus, S. J.                   |
| (65645) | 1981 EG <sub>13</sub> | 1981 03 01 | 413 | Bus, S. J.                   |
| (65646) | 1981 EE <sub>17</sub> | 1981 03 01 | 413 | Bus, S. J.                   |
| (65647) | 1981 EZ <sub>28</sub> | 1981 03 01 | 413 | Bus, S. J.                   |
| (65648) | 1981 ES <sub>32</sub> | 1981 03 07 | 413 | Bus, S. J.                   |
| (65649) | 1981 ES <sub>33</sub> | 1981 03 01 | 413 | Bus, S. J.                   |
| (65650) | 1981 EP <sub>35</sub> | 1981 03 02 | 413 | Bus, S. J.                   |
| (65651) | 1981 EV <sub>35</sub> | 1981 03 02 | 413 | Bus, S. J.                   |
| (65652) | 1981 ED <sub>41</sub> | 1981 03 02 | 413 | Bus, S. J.                   |
| (65653) | 1981 EP <sub>44</sub> | 1981 03 07 | 413 | Bus, S. J.                   |
| (65654) | 1981 ES <sub>47</sub> | 1981 03 02 | 413 | Bus, S. J.                   |
| (65655) | 1981 EV <sub>47</sub> | 1981 03 02 | 413 | Bus, S. J.                   |
| (65656) | 1981 RR <sub>1</sub>  | 1981 09 01 | 809 | Debehogne, H.                |
| (65657) | 1982 QB <sub>4</sub>  | 1982 08 16 | 260 | Lowe, A.                     |
| (65658) | 1982 UA <sub>6</sub>  | 1982 10 20 | 095 | Karachkina, L. G.            |
| (65659) | 1983 XE               | 1983 12 01 | 688 | Bowell, E.                   |
| (65660) | 1985 PM <sub>1</sub>  | 1985 08 14 | 010 | CERGA                        |
| (65661) | 1985 VB <sub>1</sub>  | 1985 11 01 | 809 | West, R. M.                  |
| (65662) | 1986 QD <sub>1</sub>  | 1986 08 26 | 809 | Debehogne, H.                |
| (65663) | 1986 QC <sub>3</sub>  | 1986 08 29 | 809 | Debehogne, H.                |
| (65664) | 1986 RE <sub>5</sub>  | 1986 09 04 | 809 | Debehogne, H.                |
| (65665) | 1986 RP <sub>5</sub>  | 1986 09 09 | 809 | Debehogne, H.                |
| (65666) | 1987 RU               | 1987 09 12 | 809 | Debehogne, H.                |
| (65667) | 1987 SM <sub>5</sub>  | 1987 09 30 | 054 | Jensen, P.                   |
| (65668) | 1988 AX <sub>1</sub>  | 1988 01 14 | 046 | Mrkos, A.                    |
| (65669) | 1988 CJ <sub>4</sub>  | 1988 02 13 | 809 | Elst, E. W.                  |
| (65670) | 1988 CS <sub>5</sub>  | 1988 02 13 | 809 | Elst, E. W.                  |
| (65671) | 1988 DE <sub>3</sub>  | 1988 02 22 | 413 | McNaught, R. H.              |
| (65672) | 1988 QD               | 1988 08 16 | 675 | Shoemaker, C. S.             |
| (65673) | 1988 RH <sub>4</sub>  | 1988 09 01 | 809 | Debehogne, H.                |
| (65674) | 1988 SM               | 1988 09 29 | 413 | Hartley, M.                  |
| (65675) | 1989 AG <sub>6</sub>  | 1989 01 11 | 033 | Börngen, F.                  |
| (65676) | 1989 CC <sub>3</sub>  | 1989 02 04 | 809 | Elst, E. W.                  |
| (65677) | 1989 EB <sub>1</sub>  | 1989 03 01 | 875 | Arai, M., Mori, H.           |
| (65678) | 1989 SU <sub>2</sub>  | 1989 09 26 | 809 | Elst, E. W.                  |
| (65679) | 1989 UQ               | 1989 10 26 | 010 | Pollas, C.                   |
| (65680) | 1990 EH <sub>1</sub>  | 1990 03 02 | 809 | Elst, E. W.                  |
| (65681) | 1990 EO <sub>1</sub>  | 1990 03 02 | 809 | Elst, E. W.                  |
| (65682) | 1990 QU <sub>2</sub>  | 1990 08 24 | 675 | Holt, H. E.                  |
| (65683) | 1990 QW <sub>5</sub>  | 1990 08 29 | 675 | Holt, H. E.                  |
| (65684) | 1990 QY <sub>5</sub>  | 1990 08 29 | 675 | Holt, H. E.                  |
| (65685) | 1990 TY <sub>1</sub>  | 1990 10 10 | 033 | Börngen, F., Schmadel, L. D. |
| (65686) | 1990 TN <sub>8</sub>  | 1990 10 14 | 046 | Mrkos, A.                    |
| (65687) | 1990 VO <sub>1</sub>  | 1990 11 12 | 399 | Ueda, S., Kaneda, H.         |
| (65688) | 1990 VD <sub>8</sub>  | 1990 11 13 | 675 | Shoemaker, C. S.             |
| (65689) | 1990 WM <sub>4</sub>  | 1990 11 16 | 809 | Elst, E. W.                  |
| (65690) | 1991 DG               | 1991 02 20 | 413 | McNaught, R. H.              |
| (65691) | 1991 PT <sub>10</sub> | 1991 08 07 | 675 | Holt, H. E.                  |
| (65692) | 1991 RH <sub>3</sub>  | 1991 09 12 | 033 | Börngen, F., Schmadel, L. D. |
| (65693) | 1991 RO <sub>11</sub> | 1991 09 04 | 809 | Elst, E. W.                  |
| (65694) | 1991 RX <sub>40</sub> | 1991 09 10 | 033 | Börngen, F.                  |
| (65695) | 1991 SC <sub>3</sub>  | 1991 09 29 | 691 | Spacewatch                   |

|         |                       |            |     |                                  |         |                       |            |     |                                  |
|---------|-----------------------|------------|-----|----------------------------------|---------|-----------------------|------------|-----|----------------------------------|
| (65696) | 1991 TP <sub>15</sub> | 1991 10 06 | 261 | Lowe, A.                         | (65748) | 1993 TS <sub>38</sub> | 1993 10 09 | 809 | Elst, E. W.                      |
| (65697) | 1991 TU <sub>15</sub> | 1991 10 06 | 261 | Lowe, A.                         | (65749) | 1993 TT <sub>38</sub> | 1993 10 09 | 809 | Elst, E. W.                      |
| (65698) | 1991 TP <sub>16</sub> | 1991 10 06 | 261 | Lowe, A.                         | (65750) | 1993 UV <sub>2</sub>  | 1993 10 20 | 413 | McNaught, R. H.                  |
| (65699) | 1991 VY <sub>5</sub>  | 1991 11 02 | 809 | Elst, E. W.                      | (65751) | 1994 BM <sub>2</sub>  | 1994 01 19 | 691 | Spacewatch                       |
| (65700) | 1991 VW <sub>6</sub>  | 1991 11 09 | 809 | Elst, E. W.                      | (65752) | 1994 CY <sub>10</sub> | 1994 02 07 | 809 | Elst, E. W.                      |
| (65701) | 1992 BY <sub>1</sub>  | 1992 01 30 | 809 | Elst, E. W.                      | (65753) | 1994 CZ <sub>17</sub> | 1994 02 08 | 809 | Elst, E. W.                      |
| (65702) | 1992 EK <sub>4</sub>  | 1992 03 01 | 809 | UESAC                            | (65754) | 1994 CP <sub>18</sub> | 1994 02 08 | 809 | Elst, E. W.                      |
| (65703) | 1992 EY <sub>4</sub>  | 1992 03 01 | 809 | UESAC                            | (65755) | 1994 EW <sub>3</sub>  | 1994 03 08 | 595 | Farra d'Isonzo                   |
| (65704) | 1992 ED <sub>16</sub> | 1992 03 01 | 809 | UESAC                            | (65756) | 1994 EO <sub>4</sub>  | 1994 03 05 | 691 | Spacewatch                       |
| (65705) | 1992 GH <sub>3</sub>  | 1992 04 04 | 809 | Elst, E. W.                      | (65757) | 1994 FV               | 1994 03 21 | 413 | Garradd, G. J.                   |
| (65706) | 1992 NA               | 1992 07 01 | 413 | McNaught, R. H.                  | (65758) | 1994 PG <sub>3</sub>  | 1994 08 10 | 809 | Elst, E. W.                      |
| (65707) | 1992 PY <sub>1</sub>  | 1992 08 08 | 010 | Elst, E. W.                      | (65759) | 1994 PA <sub>4</sub>  | 1994 08 10 | 809 | Elst, E. W.                      |
| (65708) | 1992 RB <sub>1</sub>  | 1992 09 04 | 033 | Börngen, F., Schmadel, L. D.     | (65760) | 1994 PD <sub>21</sub> | 1994 08 12 | 809 | Elst, E. W.                      |
| (65709) | 1992 RP <sub>1</sub>  | 1992 09 02 | 809 | Elst, E. W.                      | (65761) | 1994 RA               | 1994 09 01 | 595 | Farra d'Isonzo                   |
| (65710) | 1992 RT <sub>1</sub>  | 1992 09 02 | 809 | Elst, E. W.                      | (65762) | 1994 RG               | 1994 09 04 | 589 | Stroncone                        |
| (65711) | 1992 RJ <sub>2</sub>  | 1992 09 02 | 809 | Elst, E. W.                      | (65763) | 1994 RC <sub>10</sub> | 1994 09 12 | 691 | Spacewatch                       |
| (65712) | 1992 SJ <sub>17</sub> | 1992 09 24 | 033 | Börngen, F., Schmadel, L. D.     | (65764) | 1994 TH <sub>15</sub> | 1994 10 13 | 894 | Otomo, S.                        |
| (65713) | 1992 UQ <sub>1</sub>  | 1992 10 19 | 399 | Ueda, S., Kaneda, H.             | (65765) | 1994 UR <sub>1</sub>  | 1994 10 25 | 399 | Ueda, S., Kaneda, H.             |
| (65714) | 1992 VR               | 1992 11 02 | 399 | Ueda, S., Kaneda, H.             | (65766) | 1994 WG <sub>1</sub>  | 1994 11 27 | 411 | Kobayashi, T.                    |
| (65715) | 1992 WV <sub>1</sub>  | 1992 11 16 | 399 | Ueda, S., Kaneda, H.             | (65767) | 1995 BZ <sub>11</sub> | 1995 01 29 | 691 | Spacewatch                       |
| (65716) | 1993 BZ <sub>2</sub>  | 1993 01 25 | 372 | Seki, T.                         | (65768) | 1995 DR <sub>6</sub>  | 1995 02 24 | 691 | Spacewatch                       |
| (65717) | 1993 BX <sub>3</sub>  | 1993 01 31 | 413 | McNaught, R. H.                  | (65769) | 1995 EN <sub>8</sub>  | 1995 03 04 | 033 | Börngen, F.                      |
| (65718) | 1993 FL               | 1993 03 23 | 474 | Gilmore, A. C., Kilmartin, P. M. | (65770) | 1995 KF <sub>1</sub>  | 1995 05 28 | 552 | Osservatorio San Vittore         |
| (65719) | 1993 FY <sub>17</sub> | 1993 03 17 | 809 | UESAC                            | (65771) | 1995 KQ <sub>3</sub>  | 1995 05 25 | 691 | Spacewatch                       |
| (65720) | 1993 FN <sub>19</sub> | 1993 03 17 | 809 | UESAC                            | (65772) | 1995 MM <sub>1</sub>  | 1995 06 22 | 691 | Spacewatch                       |
| (65721) | 1993 FV <sub>28</sub> | 1993 03 21 | 809 | UESAC                            | (65773) | 1995 OQ <sub>2</sub>  | 1995 07 22 | 691 | Spacewatch                       |
| (65722) | 1993 FY <sub>35</sub> | 1993 03 19 | 809 | UESAC                            | (65774) | 1995 OW <sub>3</sub>  | 1995 07 22 | 691 | Spacewatch                       |
| (65723) | 1993 FO <sub>45</sub> | 1993 03 19 | 809 | UESAC                            | (65775) | 1995 SO <sub>2</sub>  | 1995 09 18 | 360 | Nakamura, A.                     |
| (65724) | 1993 FV <sub>46</sub> | 1993 03 19 | 809 | UESAC                            | (65776) | 1995 SW <sub>3</sub>  | 1995 09 20 | 400 | Endate, K., Watanabe, K.         |
| (65725) | 1993 FB <sub>52</sub> | 1993 03 17 | 809 | UESAC                            | (65777) | 1995 SW <sub>25</sub> | 1995 09 19 | 691 | Spacewatch                       |
| (65726) | 1993 FL <sub>60</sub> | 1993 03 19 | 809 | UESAC                            | (65778) | 1995 SD <sub>33</sub> | 1995 09 21 | 691 | Spacewatch                       |
| (65727) | 1993 FY <sub>70</sub> | 1993 03 21 | 809 | UESAC                            | (65779) | 1995 SV <sub>50</sub> | 1995 09 26 | 691 | Spacewatch                       |
| (65728) | 1993 FD <sub>84</sub> | 1993 03 26 | 691 | Spacewatch                       | (65780) | 1995 TM <sub>1</sub>  | 1995 10 14 | 327 | BAO Schmidt CCD Asteroid Program |
| (65729) | 1993 JQ               | 1993 05 14 | 809 | Elst, E. W.                      | (65781) | 1995 TT <sub>1</sub>  | 1995 10 14 | 327 | BAO Schmidt CCD Asteroid Program |
| (65730) | 1993 LP <sub>1</sub>  | 1993 06 14 | 413 | McNaught, R. H.                  | (65782) | 1995 UG               | 1995 10 16 | 905 | Shimizu, Y., Urata, T.           |
| (65731) | 1993 OH <sub>6</sub>  | 1993 07 20 | 809 | Elst, E. W.                      | (65783) | 1995 UK               | 1995 10 17 | 367 | Abe, H.                          |
| (65732) | 1993 OJ <sub>10</sub> | 1993 07 20 | 809 | Elst, E. W.                      | (65784) | 1995 UF <sub>4</sub>  | 1995 10 20 | 358 | Okuni, T.                        |
| (65733) | 1993 PC               | 1993 08 15 | 691 | Spacewatch                       | (65785) | 1995 UC <sub>5</sub>  | 1995 10 26 | 596 | Casulli, V. S.                   |
| (65734) | 1993 PU <sub>4</sub>  | 1993 08 15 | 010 | Elst, E. W.                      | (65786) | 1995 UV <sub>8</sub>  | 1995 10 28 | 400 | Endate, K., Watanabe, K.         |
| (65735) | 1993 QY <sub>3</sub>  | 1993 08 18 | 010 | Elst, E. W.                      | (65787) | 1995 UU <sub>14</sub> | 1995 10 17 | 691 | Spacewatch                       |
| (65736) | 1993 QH <sub>7</sub>  | 1993 08 20 | 809 | Elst, E. W.                      | (65788) | 1995 UJ <sub>20</sub> | 1995 10 19 | 691 | Spacewatch                       |
| (65737) | 1993 RE <sub>7</sub>  | 1993 09 15 | 809 | Elst, E. W.                      | (65789) | 1995 UB <sub>24</sub> | 1995 10 19 | 691 | Spacewatch                       |
| (65738) | 1993 RE <sub>9</sub>  | 1993 09 14 | 809 | Debehogne, H., Elst, E. W.       | (65790) | 1995 UT <sub>25</sub> | 1995 10 20 | 691 | Spacewatch                       |
| (65739) | 1993 SG <sub>13</sub> | 1993 09 16 | 809 | Debehogne, H., Elst, E. W.       | (65791) | 1995 UE <sub>45</sub> | 1995 10 28 | 400 | Endate, K., Watanabe, K.         |
| (65740) | 1993 TO <sub>10</sub> | 1993 10 15 | 691 | Spacewatch                       | (65792) | 1995 WJ <sub>1</sub>  | 1995 11 18 | 411 | Kobayashi, T.                    |
| (65741) | 1993 TB <sub>14</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65793) | 1995 WS <sub>3</sub>  | 1995 11 21 | 046 | Klet̃                            |
| (65742) | 1993 TY <sub>18</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65794) | 1995 WG <sub>27</sub> | 1995 11 18 | 691 | Spacewatch                       |
| (65743) | 1993 TY <sub>19</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65795) | 1995 WQ <sub>27</sub> | 1995 11 19 | 691 | Spacewatch                       |
| (65744) | 1993 TR <sub>23</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65796) | 1995 XK <sub>1</sub>  | 1995 12 15 | 411 | Kobayashi, T.                    |
| (65745) | 1993 TT <sub>31</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65797) | 1995 YL               | 1995 12 19 | 411 | Kobayashi, T.                    |
| (65746) | 1993 TX <sub>34</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65798) | 1995 YR <sub>6</sub>  | 1995 12 16 | 691 | Spacewatch                       |
| (65747) | 1993 TE <sub>38</sub> | 1993 10 09 | 809 | Elst, E. W.                      | (65799) | 1995 YB <sub>10</sub> | 1995 12 18 | 691 | Spacewatch                       |

|         |                       |            |     |                                  |         |                       |            |     |                                  |
|---------|-----------------------|------------|-----|----------------------------------|---------|-----------------------|------------|-----|----------------------------------|
| (65800) | 1995 YH <sub>25</sub> | 1995 12 19 | 691 | Spacewatch                       | (65852) | 1997 EX <sub>7</sub>  | 1997 03 07 | 552 | Osservatorio San Vittore         |
| (65801) | 1996 AJ <sub>7</sub>  | 1996 01 12 | 691 | Spacewatch                       | (65853) | 1997 EV <sub>38</sub> | 1997 03 05 | 704 | LINEAR                           |
| (65802) | 1996 BA <sub>3</sub>  | 1996 01 27 | 411 | Kobayashi, T.                    | (65854) | 1997 EH <sub>46</sub> | 1997 03 07 | 621 | Bickel, W.                       |
| (65803) | 1996 GT               | 1996 04 11 | 691 | Spacewatch                       | (65855) | 1997 GQ <sub>5</sub>  | 1997 04 08 | 691 | Spacewatch                       |
| (65804) | 1996 HT <sub>6</sub>  | 1996 04 18 | 691 | Spacewatch                       | (65856) | 1997 GX <sub>11</sub> | 1997 04 03 | 704 | LINEAR                           |
| (65805) | 1996 HO <sub>14</sub> | 1996 04 17 | 809 | Elst, E. W.                      | (65857) | 1997 GN <sub>17</sub> | 1997 04 03 | 704 | LINEAR                           |
| (65806) | 1996 HW <sub>18</sub> | 1996 04 18 | 809 | Elst, E. W.                      | (65858) | 1997 GL <sub>35</sub> | 1997 04 06 | 704 | LINEAR                           |
| (65807) | 1996 JT <sub>9</sub>  | 1996 05 13 | 691 | Spacewatch                       | (65859) | 1997 GF <sub>42</sub> | 1997 04 09 | 809 | Elst, E. W.                      |
| (65808) | 1996 LO <sub>1</sub>  | 1996 06 14 | 566 | NEAT                             | (65860) | 1997 HW <sub>7</sub>  | 1997 04 30 | 704 | LINEAR                           |
| (65809) | 1996 RW <sub>15</sub> | 1996 09 13 | 691 | Spacewatch                       | (65861) | 1997 JK <sub>4</sub>  | 1997 05 01 | 704 | LINEAR                           |
| (65810) | 1996 RL <sub>26</sub> | 1996 09 05 | 621 | Bickel, W.                       | (65862) | 1997 JN <sub>11</sub> | 1997 05 03 | 809 | Elst, E. W.                      |
| (65811) | 1996 RW <sub>30</sub> | 1996 09 13 | 809 | Uppsala-DLR Trojan Survey        | (65863) | 1997 KW <sub>1</sub>  | 1997 05 28 | 691 | Spacewatch                       |
| (65812) | 1996 SG <sub>7</sub>  | 1996 09 30 | 589 | Vagnozzi, A.                     | (65864) | 1997 OT               | 1997 07 27 | 910 | ODAS                             |
| (65813) | 1996 TT <sub>5</sub>  | 1996 10 07 | 693 | Spahr, T. B.                     | (65865) | 1997 OQ <sub>1</sub>  | 1997 07 31 | 691 | Spacewatch                       |
| (65814) | 1996 TH <sub>8</sub>  | 1996 10 09 | 566 | NEAT                             | (65866) | 1997 PA <sub>4</sub>  | 1997 08 10 | 816 | Viscome, G. R.                   |
| (65815) | 1996 TB <sub>18</sub> | 1996 10 04 | 691 | Spacewatch                       | (65867) | 1997 QG <sub>5</sub>  | 1997 08 25 | 428 | Broughton, J.                    |
| (65816) | 1996 TW <sub>28</sub> | 1996 10 07 | 691 | Spacewatch                       | (65868) | 1997 RR <sub>5</sub>  | 1997 09 08 | 684 | Comba, P. G.                     |
| (65817) | 1996 TC <sub>33</sub> | 1996 10 10 | 691 | Spacewatch                       | (65869) | 1997 SP <sub>17</sub> | 1997 09 30 | 358 | Okuni, T.                        |
| (65818) | 1996 TP <sub>39</sub> | 1996 10 08 | 809 | Elst, E. W.                      | (65870) | 1997 UK <sub>9</sub>  | 1997 10 30 | 566 | NEAT                             |
| (65819) | 1996 TE <sub>40</sub> | 1996 10 08 | 809 | Elst, E. W.                      | (65871) | 1997 UC <sub>22</sub> | 1997 10 28 | 327 | BAO Schmidt CCD Asteroid Program |
| (65820) | 1996 TR <sub>40</sub> | 1996 10 08 | 809 | Elst, E. W.                      | (65872) | 1997 VQ <sub>2</sub>  | 1997 11 01 | 327 | BAO Schmidt CCD Asteroid Program |
| (65821) | 1996 UC <sub>3</sub>  | 1996 10 30 | 596 | Casulli, V. S.                   | (65873) | 1997 WD <sub>7</sub>  | 1997 11 24 | 691 | Spacewatch                       |
| (65822) | 1996 VO <sub>5</sub>  | 1996 11 14 | 385 | Urata, T.                        | (65874) | 1997 WL <sub>13</sub> | 1997 11 24 | 905 | Shimizu, Y., Urata, T.           |
| (65823) | 1996 VO <sub>10</sub> | 1996 11 04 | 691 | Spacewatch                       | (65875) | 1997 WY <sub>14</sub> | 1997 11 23 | 691 | Spacewatch                       |
| (65824) | 1996 VJ <sub>11</sub> | 1996 11 04 | 691 | Spacewatch                       | (65876) | 1997 WV <sub>28</sub> | 1997 11 29 | 691 | Spacewatch                       |
| (65825) | 1996 VF <sub>19</sub> | 1996 11 07 | 691 | Spacewatch                       | (65877) | 1997 XK <sub>1</sub>  | 1997 12 04 | 411 | Kobayashi, T.                    |
| (65826) | 1996 VA <sub>28</sub> | 1996 11 11 | 691 | Spacewatch                       | (65878) | 1997 XD <sub>10</sub> | 1997 12 05 | 411 | Kobayashi, T.                    |
| (65827) | 1996 VG <sub>32</sub> | 1996 11 04 | 691 | Spacewatch                       | (65879) | 1997 YC <sub>2</sub>  | 1997 12 21 | 411 | Kobayashi, T.                    |
| (65828) | 1996 VZ <sub>37</sub> | 1996 11 01 | 327 | BAO Schmidt CCD Asteroid Program | (65880) | 1997 YD <sub>5</sub>  | 1997 12 21 | 327 | BAO Schmidt CCD Asteroid Program |
| (65829) | 1996 WS <sub>2</sub>  | 1996 11 26 | 327 | BAO Schmidt CCD Asteroid Program | (65881) | 1997 YO <sub>5</sub>  | 1997 12 25 | 411 | Kobayashi, T.                    |
| (65830) | 1996 XA               | 1996 12 01 | 684 | Comba, P. G.                     | (65882) | 1997 YR <sub>8</sub>  | 1997 12 28 | 589 | Stroncone                        |
| (65831) | 1996 XQ <sub>4</sub>  | 1996 12 06 | 691 | Spacewatch                       | (65883) | 1997 YX <sub>13</sub> | 1997 12 31 | 411 | Kobayashi, T.                    |
| (65832) | 1996 XN <sub>5</sub>  | 1996 12 07 | 411 | Kobayashi, T.                    | (65884) | 1997 YP <sub>15</sub> | 1997 12 29 | 691 | Spacewatch                       |
| (65833) | 1996 XE <sub>6</sub>  | 1996 12 07 | 411 | Kobayashi, T.                    | (65885) | 1997 YF <sub>20</sub> | 1997 12 27 | 688 | Buie, M. W.                      |
| (65834) | 1996 XK <sub>7</sub>  | 1996 12 01 | 691 | Spacewatch                       | (65886) | 1998 AM               | 1998 01 05 | 411 | Kobayashi, T.                    |
| (65835) | 1996 XJ <sub>11</sub> | 1996 12 02 | 691 | Spacewatch                       | (65887) | 1998 AW <sub>6</sub>  | 1998 01 05 | 327 | BAO Schmidt CCD Asteroid Program |
| (65836) | 1996 XS <sub>15</sub> | 1996 12 10 | 327 | BAO Schmidt CCD Asteroid Program | (65888) | 1998 BS <sub>3</sub>  | 1998 01 18 | 691 | Spacewatch                       |
| (65837) | 1996 XX <sub>20</sub> | 1996 12 05 | 691 | Spacewatch                       | (65889) | 1998 BB <sub>4</sub>  | 1998 01 23 | 727 | Stafford, T.                     |
| (65838) | 1996 XD <sub>26</sub> | 1996 12 08 | 369 | Sato, N.                         | (65890) | 1998 BW <sub>23</sub> | 1998 01 26 | 691 | Spacewatch                       |
| (65839) | 1996 XV <sub>28</sub> | 1996 12 12 | 691 | Spacewatch                       | (65891) | 1998 BQ <sub>24</sub> | 1998 01 28 | 411 | Kobayashi, T.                    |
| (65840) | 1997 AA <sub>4</sub>  | 1997 01 06 | 411 | Kobayashi, T.                    | (65892) | 1998 BH <sub>30</sub> | 1998 01 28 | 132 | Antonini, P.                     |
| (65841) | 1997 AD <sub>9</sub>  | 1997 01 02 | 691 | Spacewatch                       | (65893) | 1998 BY <sub>33</sub> | 1998 01 31 | 411 | Kobayashi, T.                    |
| (65842) | 1997 AF <sub>14</sub> | 1997 01 04 | 327 | BAO Schmidt CCD Asteroid Program | (65894) | 1998 BO <sub>48</sub> | 1998 01 30 | 372 | Seki, T.                         |
| (65843) | 1997 AR <sub>15</sub> | 1997 01 12 | 566 | NEAT                             | (65895) | 1998 CP               | 1998 02 03 | 046 | Tichý, M., Moravec, Z.           |
| (65844) | 1997 AV <sub>15</sub> | 1997 01 12 | 566 | NEAT                             | (65896) | 1998 CW <sub>1</sub>  | 1998 02 01 | 327 | BAO Schmidt CCD Asteroid Program |
| (65845) | 1997 AK <sub>22</sub> | 1997 01 14 | 599 | Boattini, A., Di Paola, A.       | (65897) | 1998 DQ <sub>7</sub>  | 1998 02 22 | 566 | NEAT                             |
| (65846) | 1997 BT <sub>2</sub>  | 1997 01 30 | 411 | Kobayashi, T.                    | (65898) | 1998 DG <sub>9</sub>  | 1998 02 22 | 566 | NEAT                             |
| (65847) | 1997 BH <sub>6</sub>  | 1997 01 31 | 691 | Spacewatch                       | (65899) | 1998 DG <sub>12</sub> | 1998 02 23 | 691 | Spacewatch                       |
| (65848) | 1997 BP <sub>9</sub>  | 1997 01 30 | 098 | Munari, U., Tombelli, M.         | (65900) | 1998 DV <sub>15</sub> | 1998 02 23 | 566 | NEAT                             |
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| (65850) | 1997 CG <sub>28</sub> | 1997 02 07 | 327 | BAO Schmidt CCD Asteroid Program | (65902) | 1998 DW <sub>17</sub> | 1998 02 23 | 691 | Spacewatch                       |
| (65851) | 1997 EM <sub>2</sub>  | 1997 03 04 | 118 | Galád, A., Pravda, A.            | (65903) | 1998 DS <sub>25</sub> | 1998 02 23 | 691 | Spacewatch                       |

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|---------|------------------------|------------|-----|---------------|---------|------------------------|------------|-----|----------------------------------|
| (65904) | 1998 DL <sub>35</sub>  | 1998 02 26 | 428 | Broughton, J. | (65956) | 1998 FA <sub>146</sub> | 1998 03 24 | 704 | LINEAR                           |
| (65905) | 1998 EH <sub>2</sub>   | 1998 03 02 | 910 | ODAS          | (65957) | 1998 FO <sub>147</sub> | 1998 03 26 | 704 | LINEAR                           |
| (65906) | 1998 EZ <sub>5</sub>   | 1998 03 03 | 691 | Spacewatch    | (65958) | 1998 GG <sub>1</sub>   | 1998 04 04 | 426 | Zoltowski, F. B.                 |
| (65907) | 1998 EX <sub>11</sub>  | 1998 03 01 | 809 | Elst, E. W.   | (65959) | 1998 GU <sub>7</sub>   | 1998 04 02 | 704 | LINEAR                           |
| (65908) | 1998 FQ                | 1998 03 18 | 691 | Spacewatch    | (65960) | 1998 GX <sub>8</sub>   | 1998 04 02 | 704 | LINEAR                           |
| (65909) | 1998 FH <sub>12</sub>  | 1998 03 25 | 704 | LINEAR        | (65961) | 1998 HC <sub>1</sub>   | 1998 04 18 | 691 | Spacewatch                       |
| (65910) | 1998 FR <sub>21</sub>  | 1998 03 20 | 704 | LINEAR        | (65962) | 1998 HU <sub>1</sub>   | 1998 04 18 | 691 | Spacewatch                       |
| (65911) | 1998 FO <sub>25</sub>  | 1998 03 20 | 704 | LINEAR        | (65963) | 1998 HC <sub>5</sub>   | 1998 04 22 | 691 | Spacewatch                       |
| (65912) | 1998 FQ <sub>26</sub>  | 1998 03 20 | 704 | LINEAR        | (65964) | 1998 HB <sub>6</sub>   | 1998 04 21 | 910 | ODAS                             |
| (65913) | 1998 FD <sub>28</sub>  | 1998 03 20 | 704 | LINEAR        | (65965) | 1998 HR <sub>7</sub>   | 1998 04 23 | 704 | LINEAR                           |
| (65914) | 1998 FB <sub>32</sub>  | 1998 03 20 | 704 | LINEAR        | (65966) | 1998 HH <sub>8</sub>   | 1998 04 24 | 589 | Stroncone                        |
| (65915) | 1998 FO <sub>34</sub>  | 1998 03 20 | 704 | LINEAR        | (65967) | 1998 HM <sub>10</sub>  | 1998 04 17 | 691 | Spacewatch                       |
| (65916) | 1998 FJ <sub>36</sub>  | 1998 03 20 | 704 | LINEAR        | (65968) | 1998 HV <sub>17</sub>  | 1998 04 18 | 704 | LINEAR                           |
| (65917) | 1998 FG <sub>38</sub>  | 1998 03 20 | 704 | LINEAR        | (65969) | 1998 HN <sub>19</sub>  | 1998 04 18 | 704 | LINEAR                           |
| (65918) | 1998 FZ <sub>38</sub>  | 1998 03 20 | 704 | LINEAR        | (65970) | 1998 HB <sub>22</sub>  | 1998 04 20 | 704 | LINEAR                           |
| (65919) | 1998 FH <sub>39</sub>  | 1998 03 20 | 704 | LINEAR        | (65971) | 1998 HY <sub>26</sub>  | 1998 04 21 | 691 | Spacewatch                       |
| (65920) | 1998 FV <sub>46</sub>  | 1998 03 20 | 704 | LINEAR        | (65972) | 1998 HJ <sub>28</sub>  | 1998 04 23 | 691 | Spacewatch                       |
| (65921) | 1998 FM <sub>47</sub>  | 1998 03 20 | 704 | LINEAR        | (65973) | 1998 HZ <sub>38</sub>  | 1998 04 20 | 704 | LINEAR                           |
| (65922) | 1998 FQ <sub>47</sub>  | 1998 03 20 | 704 | LINEAR        | (65974) | 1998 HP <sub>39</sub>  | 1998 04 20 | 704 | LINEAR                           |
| (65923) | 1998 FW <sub>47</sub>  | 1998 03 20 | 704 | LINEAR        | (65975) | 1998 HV <sub>46</sub>  | 1998 04 20 | 704 | LINEAR                           |
| (65924) | 1998 FE <sub>53</sub>  | 1998 03 20 | 704 | LINEAR        | (65976) | 1998 HF <sub>51</sub>  | 1998 04 25 | 699 | LONEOS                           |
| (65925) | 1998 FE <sub>54</sub>  | 1998 03 20 | 704 | LINEAR        | (65977) | 1998 HZ <sub>69</sub>  | 1998 04 21 | 704 | LINEAR                           |
| (65926) | 1998 FN <sub>55</sub>  | 1998 03 20 | 704 | LINEAR        | (65978) | 1998 HS <sub>98</sub>  | 1998 04 21 | 704 | LINEAR                           |
| (65927) | 1998 FV <sub>55</sub>  | 1998 03 20 | 704 | LINEAR        | (65979) | 1998 HX <sub>105</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65928) | 1998 FW <sub>55</sub>  | 1998 03 20 | 704 | LINEAR        | (65980) | 1998 HB <sub>107</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65929) | 1998 FL <sub>56</sub>  | 1998 03 20 | 704 | LINEAR        | (65981) | 1998 HD <sub>119</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65930) | 1998 FS <sub>57</sub>  | 1998 03 20 | 704 | LINEAR        | (65982) | 1998 HN <sub>119</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65931) | 1998 FK <sub>59</sub>  | 1998 03 20 | 704 | LINEAR        | (65983) | 1998 HS <sub>124</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65932) | 1998 FK <sub>60</sub>  | 1998 03 20 | 704 | LINEAR        | (65984) | 1998 HA <sub>125</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65933) | 1998 FT <sub>64</sub>  | 1998 03 20 | 704 | LINEAR        | (65985) | 1998 HX <sub>146</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65934) | 1998 FE <sub>65</sub>  | 1998 03 20 | 704 | LINEAR        | (65986) | 1998 HA <sub>147</sub> | 1998 04 23 | 704 | LINEAR                           |
| (65935) | 1998 FF <sub>65</sub>  | 1998 03 20 | 704 | LINEAR        | (65987) | 1998 HD <sub>152</sub> | 1998 04 21 | 704 | LINEAR                           |
| (65936) | 1998 FJ <sub>69</sub>  | 1998 03 20 | 704 | LINEAR        | (65988) | 1998 KQ <sub>1</sub>   | 1998 05 18 | 699 | LONEOS                           |
| (65937) | 1998 FZ <sub>72</sub>  | 1998 03 26 | 910 | ODAS          | (65989) | 1998 KZ <sub>12</sub>  | 1998 05 22 | 704 | LINEAR                           |
| (65938) | 1998 FV <sub>77</sub>  | 1998 03 24 | 704 | LINEAR        | (65990) | 1998 KR <sub>14</sub>  | 1998 05 22 | 704 | LINEAR                           |
| (65939) | 1998 FK <sub>79</sub>  | 1998 03 24 | 704 | LINEAR        | (65991) | 1998 KL <sub>36</sub>  | 1998 05 22 | 704 | LINEAR                           |
| (65940) | 1998 FE <sub>80</sub>  | 1998 03 24 | 704 | LINEAR        | (65992) | 1998 KG <sub>49</sub>  | 1998 05 23 | 704 | LINEAR                           |
| (65941) | 1998 FU <sub>87</sub>  | 1998 03 24 | 704 | LINEAR        | (65993) | 1998 KP <sub>52</sub>  | 1998 05 23 | 704 | LINEAR                           |
| (65942) | 1998 FL <sub>90</sub>  | 1998 03 24 | 704 | LINEAR        | (65994) | 1998 KE <sub>53</sub>  | 1998 05 23 | 704 | LINEAR                           |
| (65943) | 1998 FR <sub>98</sub>  | 1998 03 31 | 704 | LINEAR        | (65995) | 1998 KZ <sub>57</sub>  | 1998 05 23 | 704 | LINEAR                           |
| (65944) | 1998 FZ <sub>99</sub>  | 1998 03 31 | 704 | LINEAR        | (65996) | 1998 MX <sub>5</sub>   | 1998 06 24 | 704 | LINEAR                           |
| (65945) | 1998 FZ <sub>100</sub> | 1998 03 31 | 704 | LINEAR        | (65997) | 1998 ME <sub>35</sub>  | 1998 06 24 | 704 | LINEAR                           |
| (65946) | 1998 FT <sub>103</sub> | 1998 03 31 | 704 | LINEAR        | (65998) | 1998 MX <sub>40</sub>  | 1998 06 28 | 809 | Elst, E. W.                      |
| (65947) | 1998 FZ <sub>103</sub> | 1998 03 31 | 704 | LINEAR        | (65999) | 1998 ND                | 1998 07 01 | 699 | LONEOS                           |
| (65948) | 1998 FT <sub>106</sub> | 1998 03 31 | 704 | LINEAR        | (66000) | 1998 OE <sub>1</sub>   | 1998 07 20 | 104 | Boattini, A., Tombelli, M.       |
| (65949) | 1998 FJ <sub>107</sub> | 1998 03 31 | 704 | LINEAR        | (66001) | 1998 OG <sub>1</sub>   | 1998 07 17 | 426 | Zoltowski, F. B.                 |
| (65950) | 1998 FE <sub>114</sub> | 1998 03 31 | 704 | LINEAR        | (66002) | 1998 OL <sub>5</sub>   | 1998 07 29 | 910 | ODAS                             |
| (65951) | 1998 FU <sub>119</sub> | 1998 03 20 | 704 | LINEAR        | (66003) | 1998 OX <sub>6</sub>   | 1998 07 20 | 327 | BAO Schmidt CCD Asteroid Program |
| (65952) | 1998 FF <sub>122</sub> | 1998 03 20 | 704 | LINEAR        | (66004) | 1998 OV <sub>9</sub>   | 1998 07 26 | 809 | Elst, E. W.                      |
| (65953) | 1998 FD <sub>123</sub> | 1998 03 20 | 704 | LINEAR        | (66005) | 1998 OA <sub>12</sub>  | 1998 07 22 | 428 | Broughton, J.                    |
| (65954) | 1998 FT <sub>131</sub> | 1998 03 20 | 704 | LINEAR        | (66006) | 1998 OW <sub>13</sub>  | 1998 07 26 | 809 | Elst, E. W.                      |
| (65955) | 1998 FU <sub>132</sub> | 1998 03 20 | 704 | LINEAR        | (66007) | 1998 PO                | 1998 08 03 | 620 | Lopez, A.                        |

|         |                        |            |     |                                  |
|---------|------------------------|------------|-----|----------------------------------|
| (66008) | 1998 QH <sub>2</sub>   | 1998 08 20 | 699 | LONEOS                           |
| (66009) | 1998 QZ <sub>8</sub>   | 1998 08 17 | 704 | LINEAR                           |
| (66010) | 1998 QO <sub>15</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66011) | 1998 QR <sub>17</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66012) | 1998 QM <sub>23</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66013) | 1998 QC <sub>24</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66014) | 1998 QW <sub>24</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66015) | 1998 QW <sub>25</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66016) | 1998 QX <sub>27</sub>  | 1998 08 24 | 691 | Spacewatch                       |
| (66017) | 1998 QC <sub>30</sub>  | 1998 08 26 | 327 | BAO Schmidt CCD Asteroid Program |
| (66018) | 1998 QA <sub>31</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66019) | 1998 QE <sub>31</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66020) | 1998 QN <sub>31</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66021) | 1998 QZ <sub>34</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66022) | 1998 QU <sub>42</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66023) | 1998 QS <sub>43</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66024) | 1998 QZ <sub>45</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66025) | 1998 QP <sub>46</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66026) | 1998 QK <sub>48</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66027) | 1998 QH <sub>49</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66028) | 1998 QU <sub>51</sub>  | 1998 08 17 | 704 | LINEAR                           |
| (66029) | 1998 QC <sub>61</sub>  | 1998 08 23 | 699 | LONEOS                           |
| (66030) | 1998 QY <sub>64</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66031) | 1998 QE <sub>68</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66032) | 1998 QK <sub>68</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66033) | 1998 QV <sub>69</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66034) | 1998 QY <sub>69</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66035) | 1998 QA <sub>70</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66036) | 1998 QZ <sub>73</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66037) | 1998 QD <sub>74</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66038) | 1998 QM <sub>74</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66039) | 1998 QS <sub>74</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66040) | 1998 QQ <sub>75</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66041) | 1998 QZ <sub>77</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66042) | 1998 QA <sub>78</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66043) | 1998 QH <sub>79</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66044) | 1998 QU <sub>82</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66045) | 1998 QJ <sub>84</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66046) | 1998 QJ <sub>85</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66047) | 1998 QL <sub>85</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66048) | 1998 QU <sub>85</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66049) | 1998 QB <sub>86</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66050) | 1998 QB <sub>87</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66051) | 1998 QC <sub>87</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66052) | 1998 QM <sub>87</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66053) | 1998 QN <sub>87</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66054) | 1998 QY <sub>88</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66055) | 1998 QQ <sub>90</sub>  | 1998 08 28 | 704 | LINEAR                           |
| (66056) | 1998 QM <sub>95</sub>  | 1998 08 19 | 704 | LINEAR                           |
| (66057) | 1998 QP <sub>96</sub>  | 1998 08 19 | 704 | LINEAR                           |
| (66058) | 1998 QQ <sub>97</sub>  | 1998 08 24 | 704 | LINEAR                           |
| (66059) | 1998 QZ <sub>100</sub> | 1998 08 26 | 809 | Elst, E. W.                      |

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| (66060) | 1998 QB <sub>103</sub> | 1998 08 26 | 809 | Elst, E. W. |
| (66061) | 1998 QN <sub>104</sub> | 1998 08 26 | 809 | Elst, E. W. |
| (66062) | 1998 RG <sub>1</sub>   | 1998 09 10 | 120 | Višnjan     |
| (66063) | 1998 RO <sub>1</sub>   | 1998 09 14 | 704 | LINEAR      |
| (66064) | 1998 RW <sub>4</sub>   | 1998 09 14 | 704 | LINEAR      |
| (66065) | 1998 RB <sub>13</sub>  | 1998 09 14 | 691 | Spacewatch  |
| (66066) | 1998 RO <sub>18</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66067) | 1998 RM <sub>19</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66068) | 1998 RG <sub>26</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66069) | 1998 RK <sub>42</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66070) | 1998 RP <sub>46</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66071) | 1998 RS <sub>48</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66072) | 1998 RW <sub>48</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66073) | 1998 RJ <sub>50</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66074) | 1998 RZ <sub>50</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66075) | 1998 RT <sub>51</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66076) | 1998 RD <sub>53</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66077) | 1998 RL <sub>53</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66078) | 1998 RW <sub>53</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66079) | 1998 RA <sub>54</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66080) | 1998 RV <sub>56</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66081) | 1998 RY <sub>56</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66082) | 1998 RZ <sub>58</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66083) | 1998 RW <sub>61</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66084) | 1998 RY <sub>63</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66085) | 1998 RG <sub>67</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66086) | 1998 RL <sub>69</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66087) | 1998 RW <sub>69</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66088) | 1998 RE <sub>71</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66089) | 1998 RQ <sub>73</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66090) | 1998 RQ <sub>75</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66091) | 1998 RM <sub>76</sub>  | 1998 09 14 | 704 | LINEAR      |
| (66092) | 1998 SD                | 1998 09 16 | 703 | CSS         |
| (66093) | 1998 SG                | 1998 09 16 | 691 | Spacewatch  |
| (66094) | 1998 SY <sub>1</sub>   | 1998 09 17 | 910 | ODAS        |
| (66095) | 1998 SP <sub>6</sub>   | 1998 09 20 | 691 | Spacewatch  |
| (66096) | 1998 SS <sub>6</sub>   | 1998 09 20 | 691 | Spacewatch  |
| (66097) | 1998 SB <sub>11</sub>  | 1998 09 17 | 910 | ODAS        |
| (66098) | 1998 SV <sub>12</sub>  | 1998 09 23 | 703 | CSS         |
| (66099) | 1998 SQ <sub>13</sub>  | 1998 09 23 | 910 | ODAS        |
| (66100) | 1998 SG <sub>17</sub>  | 1998 09 17 | 691 | Spacewatch  |
| (66101) | 1998 SK <sub>22</sub>  | 1998 09 23 | 120 | Višnjan     |
| (66102) | 1998 SR <sub>22</sub>  | 1998 09 23 | 120 | Višnjan     |
| (66103) | 1998 SJ <sub>24</sub>  | 1998 09 17 | 699 | LONEOS      |
| (66104) | 1998 SB <sub>25</sub>  | 1998 09 19 | 699 | LONEOS      |
| (66105) | 1998 SW <sub>25</sub>  | 1998 09 22 | 699 | LONEOS      |
| (66106) | 1998 SJ <sub>26</sub>  | 1998 09 22 | 699 | LONEOS      |
| (66107) | 1998 SM <sub>27</sub>  | 1998 09 24 | 703 | CSS         |
| (66108) | 1998 SX <sub>34</sub>  | 1998 09 26 | 704 | LINEAR      |
| (66109) | 1998 SB <sub>35</sub>  | 1998 09 26 | 704 | LINEAR      |
| (66110) | 1998 SQ <sub>37</sub>  | 1998 09 21 | 691 | Spacewatch  |
| (66111) | 1998 SY <sub>39</sub>  | 1998 09 23 | 691 | Spacewatch  |

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| (66112) | 1998 SP <sub>45</sub>  | 1998 09 25 | 691 | Spacewatch    | (66164) | 1998 VC <sub>8</sub>  | 1998 11 10 | 704 | LINEAR                           |
| (66113) | 1998 SG <sub>55</sub>  | 1998 09 16 | 699 | LONEOS        | (66165) | 1998 VF <sub>10</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66114) | 1998 SG <sub>68</sub>  | 1998 09 19 | 704 | LINEAR        | (66166) | 1998 VL <sub>25</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66115) | 1998 ST <sub>68</sub>  | 1998 09 19 | 704 | LINEAR        | (66167) | 1998 VG <sub>28</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66116) | 1998 SU <sub>68</sub>  | 1998 09 19 | 704 | LINEAR        | (66168) | 1998 VK <sub>28</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66117) | 1998 SV <sub>69</sub>  | 1998 09 21 | 704 | LINEAR        | (66169) | 1998 VO <sub>29</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66118) | 1998 SL <sub>71</sub>  | 1998 09 21 | 809 | Elst, E. W.   | (66170) | 1998 VJ <sub>30</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66119) | 1998 SE <sub>72</sub>  | 1998 09 21 | 809 | Elst, E. W.   | (66171) | 1998 VW <sub>36</sub> | 1998 11 10 | 704 | LINEAR                           |
| (66120) | 1998 SF <sub>74</sub>  | 1998 09 21 | 809 | Elst, E. W.   | (66172) | 1998 VX <sub>45</sub> | 1998 11 14 | 699 | LONEOS                           |
| (66121) | 1998 SF <sub>81</sub>  | 1998 09 26 | 704 | LINEAR        | (66173) | 1998 VE <sub>50</sub> | 1998 11 11 | 704 | LINEAR                           |
| (66122) | 1998 SC <sub>87</sub>  | 1998 09 26 | 704 | LINEAR        | (66174) | 1998 VZ <sub>52</sub> | 1998 11 14 | 704 | LINEAR                           |
| (66123) | 1998 SD <sub>87</sub>  | 1998 09 26 | 704 | LINEAR        | (66175) | 1998 WD <sub>4</sub>  | 1998 11 20 | 620 | Lopez, A., Pacheco, R.           |
| (66124) | 1998 SC <sub>111</sub> | 1998 09 26 | 704 | LINEAR        | (66176) | 1998 WR <sub>4</sub>  | 1998 11 18 | 703 | CSS                              |
| (66125) | 1998 SA <sub>112</sub> | 1998 09 26 | 704 | LINEAR        | (66177) | 1998 WE <sub>5</sub>  | 1998 11 21 | 683 | Tucker, R. A.                    |
| (66126) | 1998 SX <sub>112</sub> | 1998 09 26 | 704 | LINEAR        | (66178) | 1998 WL <sub>13</sub> | 1998 11 21 | 704 | LINEAR                           |
| (66127) | 1998 SQ <sub>114</sub> | 1998 09 26 | 704 | LINEAR        | (66179) | 1998 WB <sub>14</sub> | 1998 11 21 | 704 | LINEAR                           |
| (66128) | 1998 SV <sub>114</sub> | 1998 09 26 | 704 | LINEAR        | (66180) | 1998 WD <sub>14</sub> | 1998 11 21 | 704 | LINEAR                           |
| (66129) | 1998 SA <sub>117</sub> | 1998 09 26 | 704 | LINEAR        | (66181) | 1998 WL <sub>17</sub> | 1998 11 21 | 704 | LINEAR                           |
| (66130) | 1998 SM <sub>117</sub> | 1998 09 26 | 704 | LINEAR        | (66182) | 1998 WC <sub>23</sub> | 1998 11 18 | 704 | LINEAR                           |
| (66131) | 1998 SA <sub>123</sub> | 1998 09 26 | 704 | LINEAR        | (66183) | 1998 WJ <sub>33</sub> | 1998 11 23 | 699 | LONEOS                           |
| (66132) | 1998 SP <sub>126</sub> | 1998 09 26 | 704 | LINEAR        | (66184) | 1998 XW <sub>2</sub>  | 1998 12 09 | 704 | LINEAR                           |
| (66133) | 1998 SR <sub>127</sub> | 1998 09 26 | 704 | LINEAR        | (66185) | 1998 XM <sub>47</sub> | 1998 12 14 | 704 | LINEAR                           |
| (66134) | 1998 SV <sub>127</sub> | 1998 09 26 | 704 | LINEAR        | (66186) | 1998 XS <sub>49</sub> | 1998 12 14 | 704 | LINEAR                           |
| (66135) | 1998 SX <sub>131</sub> | 1998 09 26 | 704 | LINEAR        | (66187) | 1998 XS <sub>73</sub> | 1998 12 14 | 704 | LINEAR                           |
| (66136) | 1998 SN <sub>133</sub> | 1998 09 26 | 704 | LINEAR        | (66188) | 1998 XK <sub>79</sub> | 1998 12 15 | 704 | LINEAR                           |
| (66137) | 1998 SR <sub>136</sub> | 1998 09 26 | 704 | LINEAR        | (66189) | 1998 XA <sub>97</sub> | 1998 12 12 | 303 | Naranjo, O. A.                   |
| (66138) | 1998 SE <sub>137</sub> | 1998 09 26 | 704 | LINEAR        | (66190) | 1998 YX <sub>5</sub>  | 1998 12 22 | 595 | Farra d'Isonzo                   |
| (66139) | 1998 SH <sub>138</sub> | 1998 09 26 | 704 | LINEAR        | (66191) | 1998 YS <sub>6</sub>  | 1998 12 19 | 376 | Kawasato, N.                     |
| (66140) | 1998 SQ <sub>139</sub> | 1998 09 26 | 704 | LINEAR        | (66192) | 1998 YW <sub>10</sub> | 1998 12 18 | 910 | ODAS                             |
| (66141) | 1998 SG <sub>142</sub> | 1998 09 26 | 704 | LINEAR        | (66193) | 1999 AF <sub>22</sub> | 1999 01 13 | 327 | BAO Schmidt CCD Asteroid Program |
| (66142) | 1998 SN <sub>145</sub> | 1998 09 20 | 809 | Elst, E. W.   | (66194) | 1999 AT <sub>23</sub> | 1999 01 14 | 699 | LONEOS                           |
| (66143) | 1998 SE <sub>161</sub> | 1998 09 26 | 704 | LINEAR        | (66195) | 1999 AN <sub>25</sub> | 1999 01 14 | 704 | LINEAR                           |
| (66144) | 1998 SJ <sub>171</sub> | 1998 09 18 | 910 | ODAS          | (66196) | 1999 AE <sub>34</sub> | 1999 01 13 | 699 | LONEOS                           |
| (66145) | 1998 TM                | 1998 10 10 | 411 | Kobayashi, T. | (66197) | 1999 BO <sub>6</sub>  | 1999 01 20 | 910 | ODAS                             |
| (66146) | 1998 TU <sub>3</sub>   | 1998 10 13 | 704 | LINEAR        | (66198) | 1999 BH <sub>11</sub> | 1999 01 20 | 910 | ODAS                             |
| (66147) | 1998 TC <sub>10</sub>  | 1998 10 12 | 691 | Spacewatch    | (66199) | 1999 BF <sub>13</sub> | 1999 01 24 | 120 | Korlević, K.                     |
| (66148) | 1998 TD <sub>11</sub>  | 1998 10 12 | 691 | Spacewatch    | (66200) | 1999 BT <sub>13</sub> | 1999 01 20 | 910 | ODAS                             |
| (66149) | 1998 TS <sub>33</sub>  | 1998 10 14 | 699 | LONEOS        | (66201) | 1999 BC <sub>20</sub> | 1999 01 16 | 704 | LINEAR                           |
| (66150) | 1998 UF                | 1998 10 17 | 703 | CSS           | (66202) | 1999 BJ <sub>21</sub> | 1999 01 16 | 704 | LINEAR                           |
| (66151) | 1998 UL                | 1998 10 16 | 557 | Pravec, P.    | (66203) | 1999 BV <sub>24</sub> | 1999 01 18 | 704 | LINEAR                           |
| (66152) | 1998 UU                | 1998 10 16 | 703 | CSS           | (66204) | 1999 BA <sub>26</sub> | 1999 01 28 | 888 | Kagawa, T.                       |
| (66153) | 1998 UV                | 1998 10 16 | 703 | CSS           | (66205) | 1999 BJ <sub>27</sub> | 1999 01 16 | 691 | Spacewatch                       |
| (66154) | 1998 UK <sub>19</sub>  | 1998 10 28 | 704 | LINEAR        | (66206) | 1999 BQ <sub>31</sub> | 1999 01 19 | 691 | Spacewatch                       |
| (66155) | 1998 UR <sub>24</sub>  | 1998 10 18 | 699 | LONEOS        | (66207) | 1999 CB <sub>1</sub>  | 1999 02 06 | 107 | Cavezzo                          |
| (66156) | 1998 UV <sub>25</sub>  | 1998 10 18 | 809 | Elst, E. W.   | (66208) | 1999 CQ <sub>6</sub>  | 1999 02 10 | 704 | LINEAR                           |
| (66157) | 1998 UJ <sub>26</sub>  | 1998 10 18 | 809 | Elst, E. W.   | (66209) | 1999 CC <sub>14</sub> | 1999 02 12 | 376 | Kawasato, N.                     |
| (66158) | 1998 UJ <sub>27</sub>  | 1998 10 18 | 809 | Elst, E. W.   | (66210) | 1999 CR <sub>14</sub> | 1999 02 15 | 120 | Korlević, K.                     |
| (66159) | 1998 UN <sub>36</sub>  | 1998 10 28 | 704 | LINEAR        | (66211) | 1999 CA <sub>22</sub> | 1999 02 10 | 704 | LINEAR                           |
| (66160) | 1998 UC <sub>38</sub>  | 1998 10 28 | 704 | LINEAR        | (66212) | 1999 CS <sub>32</sub> | 1999 02 10 | 704 | LINEAR                           |
| (66161) | 1998 UG <sub>40</sub>  | 1998 10 28 | 704 | LINEAR        | (66213) | 1999 CQ <sub>33</sub> | 1999 02 10 | 704 | LINEAR                           |
| (66162) | 1998 UG <sub>49</sub>  | 1998 10 18 | 699 | LONEOS        | (66214) | 1999 CO <sub>36</sub> | 1999 02 10 | 704 | LINEAR                           |
| (66163) | 1998 VB                | 1998 11 07 | 411 | Kobayashi, T. | (66215) | 1999 CP <sub>38</sub> | 1999 02 10 | 704 | LINEAR                           |

|         |                        |            |     |                            |         |                       |            |     |                        |
|---------|------------------------|------------|-----|----------------------------|---------|-----------------------|------------|-----|------------------------|
| (66216) | 1999 CJ <sub>42</sub>  | 1999 02 10 | 704 | LINEAR                     | (66268) | 1999 JJ <sub>3</sub>  | 1999 05 07 | 905 | Shimizu, Y., Urata, T. |
| (66217) | 1999 CZ <sub>42</sub>  | 1999 02 10 | 704 | LINEAR                     | (66269) | 1999 JN <sub>3</sub>  | 1999 05 06 | 704 | LINEAR                 |
| (66218) | 1999 CU <sub>43</sub>  | 1999 02 10 | 704 | LINEAR                     | (66270) | 1999 JK <sub>4</sub>  | 1999 05 10 | 704 | LINEAR                 |
| (66219) | 1999 CR <sub>50</sub>  | 1999 02 10 | 704 | LINEAR                     | (66271) | 1999 JM <sub>6</sub>  | 1999 05 10 | 704 | LINEAR                 |
| (66220) | 1999 CZ <sub>68</sub>  | 1999 02 12 | 704 | LINEAR                     | (66272) | 1999 JW <sub>6</sub>  | 1999 05 13 | 704 | LINEAR                 |
| (66221) | 1999 CH <sub>73</sub>  | 1999 02 12 | 704 | LINEAR                     | (66273) | 1999 JU <sub>7</sub>  | 1999 05 13 | 428 | Broughton, J.          |
| (66222) | 1999 CV <sub>75</sub>  | 1999 02 12 | 704 | LINEAR                     | (66274) | 1999 JS <sub>8</sub>  | 1999 05 14 | 428 | Broughton, J.          |
| (66223) | 1999 CE <sub>77</sub>  | 1999 02 12 | 704 | LINEAR                     | (66275) | 1999 JX <sub>8</sub>  | 1999 05 15 | 678 | Juels, C. W.           |
| (66224) | 1999 CG <sub>77</sub>  | 1999 02 12 | 704 | LINEAR                     | (66276) | 1999 JG <sub>9</sub>  | 1999 05 07 | 703 | CSS                    |
| (66225) | 1999 CL <sub>79</sub>  | 1999 02 12 | 704 | LINEAR                     | (66277) | 1999 JY <sub>10</sub> | 1999 05 14 | 704 | LINEAR                 |
| (66226) | 1999 CS <sub>89</sub>  | 1999 02 10 | 704 | LINEAR                     | (66278) | 1999 JC <sub>11</sub> | 1999 05 09 | 120 | Korlević, K.           |
| (66227) | 1999 CR <sub>109</sub> | 1999 02 12 | 704 | LINEAR                     | (66279) | 1999 JK <sub>11</sub> | 1999 05 12 | 426 | Zoltowski, F. B.       |
| (66228) | 1999 CY <sub>109</sub> | 1999 02 12 | 704 | LINEAR                     | (66280) | 1999 JF <sub>12</sub> | 1999 05 14 | 704 | LINEAR                 |
| (66229) | 1999 CH <sub>117</sub> | 1999 02 12 | 704 | LINEAR                     | (66281) | 1999 JY <sub>12</sub> | 1999 05 14 | 703 | CSS                    |
| (66230) | 1999 CV <sub>117</sub> | 1999 02 12 | 704 | LINEAR                     | (66282) | 1999 JA <sub>13</sub> | 1999 05 09 | 120 | Korlević, K.           |
| (66231) | 1999 CD <sub>125</sub> | 1999 02 11 | 704 | LINEAR                     | (66283) | 1999 JU <sub>13</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66232) | 1999 CL <sub>135</sub> | 1999 02 08 | 691 | Spacewatch                 | (66284) | 1999 JU <sub>15</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66233) | 1999 CC <sub>156</sub> | 1999 02 14 | 699 | LONEOS                     | (66285) | 1999 JV <sub>15</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66234) | 1999 CZ <sub>157</sub> | 1999 02 09 | 691 | Spacewatch                 | (66286) | 1999 JF <sub>18</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66235) | 1999 ET                | 1999 03 06 | 691 | Spacewatch                 | (66287) | 1999 JT <sub>18</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66236) | 1999 EP <sub>3</sub>   | 1999 03 14 | 428 | Broughton, J.              | (66288) | 1999 JE <sub>20</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66237) | 1999 ET <sub>5</sub>   | 1999 03 13 | 683 | Tucker, R. A.              | (66289) | 1999 JW <sub>22</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66238) | 1999 FZ                | 1999 03 17 | 910 | ODAS                       | (66290) | 1999 JX <sub>22</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66239) | 1999 FK <sub>2</sub>   | 1999 03 16 | 691 | Spacewatch                 | (66291) | 1999 JM <sub>23</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66240) | 1999 FJ <sub>9</sub>   | 1999 03 20 | 699 | LONEOS                     | (66292) | 1999 JP <sub>24</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66241) | 1999 FN <sub>17</sub>  | 1999 03 23 | 691 | Spacewatch                 | (66293) | 1999 JD <sub>25</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66242) | 1999 FY <sub>17</sub>  | 1999 03 23 | 691 | Spacewatch                 | (66294) | 1999 JS <sub>27</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66243) | 1999 FV <sub>28</sub>  | 1999 03 19 | 704 | LINEAR                     | (66295) | 1999 JC <sub>29</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66244) | 1999 FW <sub>28</sub>  | 1999 03 19 | 704 | LINEAR                     | (66296) | 1999 JM <sub>29</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66245) | 1999 FH <sub>29</sub>  | 1999 03 19 | 704 | LINEAR                     | (66297) | 1999 JF <sub>30</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66246) | 1999 FC <sub>30</sub>  | 1999 03 19 | 704 | LINEAR                     | (66298) | 1999 JJ <sub>30</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66247) | 1999 FN <sub>34</sub>  | 1999 03 19 | 704 | LINEAR                     | (66299) | 1999 JG <sub>32</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66248) | 1999 FC <sub>37</sub>  | 1999 03 20 | 704 | LINEAR                     | (66300) | 1999 JQ <sub>33</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66249) | 1999 FG <sub>48</sub>  | 1999 03 20 | 704 | LINEAR                     | (66301) | 1999 JF <sub>35</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66250) | 1999 GZ                | 1999 04 04 | 104 | Tombelli, M., Boattini, A. | (66302) | 1999 JP <sub>36</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66251) | 1999 GJ <sub>2</sub>   | 1999 04 07 | 704 | LINEAR                     | (66303) | 1999 JG <sub>37</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66252) | 1999 GM <sub>2</sub>   | 1999 04 06 | 120 | Korlević, K.               | (66304) | 1999 JV <sub>37</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66253) | 1999 GT <sub>3</sub>   | 1999 04 09 | 704 | LINEAR                     | (66305) | 1999 JD <sub>38</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66254) | 1999 GZ <sub>19</sub>  | 1999 04 15 | 704 | LINEAR                     | (66306) | 1999 JG <sub>39</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66255) | 1999 GP <sub>31</sub>  | 1999 04 07 | 704 | LINEAR                     | (66307) | 1999 JV <sub>40</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66256) | 1999 GU <sub>33</sub>  | 1999 04 12 | 704 | LINEAR                     | (66308) | 1999 JX <sub>40</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66257) | 1999 GA <sub>34</sub>  | 1999 04 12 | 704 | LINEAR                     | (66309) | 1999 JX <sub>41</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66258) | 1999 GQ <sub>34</sub>  | 1999 04 06 | 704 | LINEAR                     | (66310) | 1999 JZ <sub>41</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66259) | 1999 GP <sub>35</sub>  | 1999 04 07 | 704 | LINEAR                     | (66311) | 1999 JE <sub>42</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66260) | 1999 GZ <sub>35</sub>  | 1999 04 07 | 704 | LINEAR                     | (66312) | 1999 JJ <sub>43</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66261) | 1999 GM <sub>37</sub>  | 1999 04 12 | 704 | LINEAR                     | (66313) | 1999 JQ <sub>43</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66262) | 1999 GY <sub>49</sub>  | 1999 04 10 | 699 | LONEOS                     | (66314) | 1999 JQ <sub>45</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66263) | 1999 GT <sub>58</sub>  | 1999 04 12 | 704 | LINEAR                     | (66315) | 1999 JB <sub>48</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66264) | 1999 HR                | 1999 04 18 | 428 | Broughton, J.              | (66316) | 1999 JR <sub>49</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66265) | 1999 HZ <sub>6</sub>   | 1999 04 19 | 691 | Spacewatch                 | (66317) | 1999 JL <sub>50</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66266) | 1999 HQ <sub>9</sub>   | 1999 04 17 | 704 | LINEAR                     | (66318) | 1999 JC <sub>51</sub> | 1999 05 10 | 704 | LINEAR                 |
| (66267) | 1999 JO <sub>1</sub>   | 1999 05 08 | 703 | CSS                        | (66319) | 1999 JQ <sub>51</sub> | 1999 05 10 | 704 | LINEAR                 |

|         |                        |            |     |        |         |                        |            |     |                             |
|---------|------------------------|------------|-----|--------|---------|------------------------|------------|-----|-----------------------------|
| (66320) | 1999 JT <sub>51</sub>  | 1999 05 10 | 704 | LINEAR | (66372) | 1999 JV <sub>114</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66321) | 1999 JW <sub>51</sub>  | 1999 05 10 | 704 | LINEAR | (66373) | 1999 JW <sub>114</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66322) | 1999 JV <sub>52</sub>  | 1999 05 10 | 704 | LINEAR | (66374) | 1999 JO <sub>120</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66323) | 1999 JH <sub>53</sub>  | 1999 05 10 | 704 | LINEAR | (66375) | 1999 JF <sub>121</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66324) | 1999 JC <sub>55</sub>  | 1999 05 10 | 704 | LINEAR | (66376) | 1999 JH <sub>122</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66325) | 1999 JF <sub>55</sub>  | 1999 05 10 | 704 | LINEAR | (66377) | 1999 JJ <sub>122</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66326) | 1999 JR <sub>55</sub>  | 1999 05 10 | 704 | LINEAR | (66378) | 1999 JL <sub>122</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66327) | 1999 JY <sub>56</sub>  | 1999 05 10 | 704 | LINEAR | (66379) | 1999 JZ <sub>123</sub> | 1999 05 14 | 704 | LINEAR                      |
| (66328) | 1999 JK <sub>58</sub>  | 1999 05 10 | 704 | LINEAR | (66380) | 1999 JV <sub>124</sub> | 1999 05 10 | 704 | LINEAR                      |
| (66329) | 1999 JP <sub>58</sub>  | 1999 05 10 | 704 | LINEAR | (66381) | 1999 JZ <sub>126</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66330) | 1999 JS <sub>59</sub>  | 1999 05 10 | 704 | LINEAR | (66382) | 1999 JC <sub>127</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66331) | 1999 JY <sub>59</sub>  | 1999 05 10 | 704 | LINEAR | (66383) | 1999 JK <sub>130</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66332) | 1999 JE <sub>60</sub>  | 1999 05 10 | 704 | LINEAR | (66384) | 1999 JO <sub>131</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66333) | 1999 JS <sub>60</sub>  | 1999 05 10 | 704 | LINEAR | (66385) | 1999 JY <sub>131</sub> | 1999 05 13 | 704 | LINEAR                      |
| (66334) | 1999 JC <sub>61</sub>  | 1999 05 10 | 704 | LINEAR | (66386) | 1999 JJ <sub>134</sub> | 1999 05 15 | 703 | CSS                         |
| (66335) | 1999 JZ <sub>61</sub>  | 1999 05 10 | 704 | LINEAR | (66387) | 1999 JE <sub>136</sub> | 1999 05 07 | 699 | LONEOS                      |
| (66336) | 1999 JB <sub>62</sub>  | 1999 05 10 | 704 | LINEAR | (66388) | 1999 KF <sub>1</sub>   | 1999 05 18 | 704 | LINEAR                      |
| (66337) | 1999 JP <sub>63</sub>  | 1999 05 10 | 704 | LINEAR | (66389) | 1999 KP <sub>1</sub>   | 1999 05 16 | 691 | Spacewatch                  |
| (66338) | 1999 JV <sub>63</sub>  | 1999 05 10 | 704 | LINEAR | (66390) | 1999 KL <sub>3</sub>   | 1999 05 17 | 691 | Spacewatch                  |
| (66339) | 1999 JW <sub>64</sub>  | 1999 05 10 | 704 | LINEAR | (66391) | 1999 KW <sub>4</sub>   | 1999 05 20 | 704 | LINEAR                      |
| (66340) | 1999 JX <sub>65</sub>  | 1999 05 12 | 704 | LINEAR | (66392) | 1999 KF <sub>10</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66341) | 1999 JK <sub>66</sub>  | 1999 05 12 | 704 | LINEAR | (66393) | 1999 KU <sub>10</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66342) | 1999 JA <sub>68</sub>  | 1999 05 12 | 704 | LINEAR | (66394) | 1999 KP <sub>11</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66343) | 1999 JV <sub>68</sub>  | 1999 05 12 | 704 | LINEAR | (66395) | 1999 KS <sub>12</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66344) | 1999 JS <sub>70</sub>  | 1999 05 12 | 704 | LINEAR | (66396) | 1999 KQ <sub>13</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66345) | 1999 JK <sub>71</sub>  | 1999 05 12 | 704 | LINEAR | (66397) | 1999 KP <sub>14</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66346) | 1999 JU <sub>71</sub>  | 1999 05 12 | 704 | LINEAR | (66398) | 1999 KS <sub>14</sub>  | 1999 05 18 | 704 | LINEAR                      |
| (66347) | 1999 JW <sub>72</sub>  | 1999 05 12 | 704 | LINEAR | (66399) | 1999 LH                | 1999 06 05 | 747 | Cooney Jr., W. R., Hess, M. |
| (66348) | 1999 JC <sub>73</sub>  | 1999 05 12 | 704 | LINEAR | (66400) | 1999 LT <sub>7</sub>   | 1999 06 09 | 704 | LINEAR                      |
| (66349) | 1999 JF <sub>75</sub>  | 1999 05 13 | 704 | LINEAR | (66401) | 1999 LJ <sub>11</sub>  | 1999 06 08 | 704 | LINEAR                      |
| (66350) | 1999 JS <sub>76</sub>  | 1999 05 10 | 704 | LINEAR | (66402) | 1999 LY <sub>12</sub>  | 1999 06 09 | 704 | LINEAR                      |
| (66351) | 1999 JU <sub>77</sub>  | 1999 05 12 | 704 | LINEAR | (66403) | 1999 LM <sub>13</sub>  | 1999 06 09 | 704 | LINEAR                      |
| (66352) | 1999 JS <sub>78</sub>  | 1999 05 13 | 704 | LINEAR | (66404) | 1999 LK <sub>20</sub>  | 1999 06 09 | 704 | LINEAR                      |
| (66353) | 1999 JP <sub>79</sub>  | 1999 05 13 | 704 | LINEAR | (66405) | 1999 LZ <sub>20</sub>  | 1999 06 09 | 704 | LINEAR                      |
| (66354) | 1999 JM <sub>83</sub>  | 1999 05 12 | 704 | LINEAR | (66406) | 1999 LA <sub>22</sub>  | 1999 06 09 | 704 | LINEAR                      |
| (66355) | 1999 JN <sub>85</sub>  | 1999 05 15 | 704 | LINEAR | (66407) | 1999 LQ <sub>28</sub>  | 1999 06 14 | 704 | LINEAR                      |
| (66356) | 1999 JG <sub>87</sub>  | 1999 05 12 | 704 | LINEAR | (66408) | 1999 LA <sub>35</sub>  | 1999 06 14 | 704 | LINEAR                      |
| (66357) | 1999 JN <sub>87</sub>  | 1999 05 12 | 704 | LINEAR | (66409) | 1999 MK <sub>1</sub>   | 1999 06 20 | 699 | LONEOS                      |
| (66358) | 1999 JW <sub>87</sub>  | 1999 05 12 | 704 | LINEAR | (66410) | 1999 NS <sub>6</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66359) | 1999 JP <sub>88</sub>  | 1999 05 12 | 704 | LINEAR | (66411) | 1999 NB <sub>7</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66360) | 1999 JQ <sub>89</sub>  | 1999 05 12 | 704 | LINEAR | (66412) | 1999 NW <sub>7</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66361) | 1999 JH <sub>90</sub>  | 1999 05 12 | 704 | LINEAR | (66413) | 1999 NX <sub>7</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66362) | 1999 JQ <sub>90</sub>  | 1999 05 12 | 704 | LINEAR | (66414) | 1999 NC <sub>8</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66363) | 1999 JX <sub>91</sub>  | 1999 05 12 | 704 | LINEAR | (66415) | 1999 NG <sub>8</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66364) | 1999 JH <sub>92</sub>  | 1999 05 12 | 704 | LINEAR | (66416) | 1999 NR <sub>9</sub>   | 1999 07 13 | 704 | LINEAR                      |
| (66365) | 1999 JV <sub>92</sub>  | 1999 05 12 | 704 | LINEAR | (66417) | 1999 NC <sub>10</sub>  | 1999 07 13 | 704 | LINEAR                      |
| (66366) | 1999 JS <sub>95</sub>  | 1999 05 12 | 704 | LINEAR | (66418) | 1999 NN <sub>10</sub>  | 1999 07 13 | 704 | LINEAR                      |
| (66367) | 1999 JW <sub>95</sub>  | 1999 05 12 | 704 | LINEAR | (66419) | 1999 NR <sub>13</sub>  | 1999 07 14 | 704 | LINEAR                      |
| (66368) | 1999 JP <sub>98</sub>  | 1999 05 12 | 704 | LINEAR | (66420) | 1999 NA <sub>15</sub>  | 1999 07 14 | 704 | LINEAR                      |
| (66369) | 1999 JA <sub>103</sub> | 1999 05 13 | 704 | LINEAR | (66421) | 1999 NQ <sub>19</sub>  | 1999 07 14 | 704 | LINEAR                      |
| (66370) | 1999 JJ <sub>113</sub> | 1999 05 13 | 704 | LINEAR | (66422) | 1999 NN <sub>23</sub>  | 1999 07 14 | 704 | LINEAR                      |
| (66371) | 1999 JT <sub>113</sub> | 1999 05 13 | 704 | LINEAR | (66423) | 1999 NV <sub>26</sub>  | 1999 07 14 | 704 | LINEAR                      |



|         |                       |            |     |                          |
|---------|-----------------------|------------|-----|--------------------------|
| (66424) | 1999 NA <sub>27</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66425) | 1999 NS <sub>32</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66426) | 1999 NW <sub>33</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66427) | 1999 NP <sub>34</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66428) | 1999 NB <sub>36</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66429) | 1999 NQ <sub>38</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66430) | 1999 NX <sub>41</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66431) | 1999 NX <sub>45</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66432) | 1999 NL <sub>46</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66433) | 1999 NF <sub>49</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66434) | 1999 NX <sub>49</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66435) | 1999 NT <sub>50</sub> | 1999 07 14 | 704 | LINEAR                   |
| (66436) | 1999 NT <sub>52</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66437) | 1999 NK <sub>54</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66438) | 1999 NN <sub>54</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66439) | 1999 NG <sub>55</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66440) | 1999 NF <sub>56</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66441) | 1999 NX <sub>56</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66442) | 1999 NZ <sub>56</sub> | 1999 07 12 | 704 | LINEAR                   |
| (66443) | 1999 NW <sub>57</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66444) | 1999 NS <sub>59</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66445) | 1999 NV <sub>59</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66446) | 1999 NF <sub>61</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66447) | 1999 NG <sub>65</sub> | 1999 07 13 | 704 | LINEAR                   |
| (66448) | 1999 OY <sub>1</sub>  | 1999 07 22 | 704 | LINEAR                   |
| (66449) | 1999 OZ <sub>1</sub>  | 1999 07 22 | 704 | LINEAR                   |
| (66450) | 1999 OH <sub>2</sub>  | 1999 07 22 | 704 | LINEAR                   |
| (66451) | 1999 OS <sub>2</sub>  | 1999 07 22 | 704 | LINEAR                   |
| (66452) | 1999 OF <sub>4</sub>  | 1999 07 21 | 568 | Mauna Kea                |
| (66453) | 1999 PC               | 1999 08 03 | 684 | Comba, P. G.             |
| (66454) | 1999 PM               | 1999 08 03 | 859 | Jacques, C., Duczmal, L. |
| (66455) | 1999 PV <sub>2</sub>  | 1999 08 07 | 691 | Spacewatch               |
| (66456) | 1999 PS <sub>5</sub>  | 1999 08 12 | 691 | Spacewatch               |
| (66457) | 1999 PY <sub>7</sub>  | 1999 08 07 | 699 | LONEOS                   |
| (66458) | 1999 QV <sub>1</sub>  | 1999 08 22 | 470 | Masi, G.                 |
| (66459) | 1999 RD <sub>4</sub>  | 1999 09 04 | 703 | CSS                      |
| (66460) | 1999 RX <sub>8</sub>  | 1999 09 04 | 691 | Spacewatch               |
| (66461) | 1999 RQ <sub>11</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66462) | 1999 RS <sub>11</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66463) | 1999 RS <sub>12</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66464) | 1999 RS <sub>14</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66465) | 1999 RJ <sub>15</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66466) | 1999 RK <sub>16</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66467) | 1999 RT <sub>16</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66468) | 1999 RL <sub>17</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66469) | 1999 RL <sub>18</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66470) | 1999 RP <sub>18</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66471) | 1999 RV <sub>19</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66472) | 1999 RM <sub>24</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66473) | 1999 RZ <sub>24</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66474) | 1999 RC <sub>25</sub> | 1999 09 07 | 704 | LINEAR                   |
| (66475) | 1999 RH <sub>26</sub> | 1999 09 07 | 704 | LINEAR                   |

|         |                        |            |     |                          |
|---------|------------------------|------------|-----|--------------------------|
| (66476) | 1999 RM <sub>26</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66477) | 1999 RW <sub>26</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66478) | 1999 RB <sub>27</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66479) | 1999 RQ <sub>33</sub>  | 1999 09 04 | 643 | White, M., Collins, M.   |
| (66480) | 1999 RW <sub>33</sub>  | 1999 09 10 | 611 | Starkenburg              |
| (66481) | 1999 RZ <sub>34</sub>  | 1999 09 11 | 120 | Korlević, K.             |
| (66482) | 1999 RW <sub>37</sub>  | 1999 09 12 | 120 | Korlević, K.             |
| (66483) | 1999 RZ <sub>38</sub>  | 1999 09 13 | 428 | Broughton, J.            |
| (66484) | 1999 RR <sub>39</sub>  | 1999 09 07 | 703 | CSS                      |
| (66485) | 1999 RX <sub>41</sub>  | 1999 09 13 | 120 | Korlević, K.             |
| (66486) | 1999 RF <sub>42</sub>  | 1999 09 14 | 557 | Kušnirák, P., Pravec, P. |
| (66487) | 1999 RL <sub>42</sub>  | 1999 09 13 | 120 | Korlević, K.             |
| (66488) | 1999 RD <sub>44</sub>  | 1999 09 15 | 681 | Billings, G. W.          |
| (66489) | 1999 RS <sub>44</sub>  | 1999 09 15 | 120 | Korlević, K.             |
| (66490) | 1999 RS <sub>49</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66491) | 1999 RG <sub>54</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66492) | 1999 RZ <sub>54</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66493) | 1999 RV <sub>56</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66494) | 1999 RM <sub>57</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66495) | 1999 RD <sub>62</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66496) | 1999 RZ <sub>64</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66497) | 1999 RK <sub>66</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66498) | 1999 RR <sub>67</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66499) | 1999 RR <sub>71</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66500) | 1999 RK <sub>73</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66501) | 1999 RS <sub>75</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66502) | 1999 RV <sub>75</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66503) | 1999 RE <sub>81</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66504) | 1999 RN <sub>81</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66505) | 1999 RH <sub>83</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66506) | 1999 RM <sub>84</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66507) | 1999 RT <sub>84</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66508) | 1999 RS <sub>86</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66509) | 1999 RK <sub>89</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66510) | 1999 RU <sub>90</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66511) | 1999 RW <sub>91</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66512) | 1999 RC <sub>92</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66513) | 1999 RE <sub>94</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66514) | 1999 RS <sub>94</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66515) | 1999 RD <sub>97</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66516) | 1999 RM <sub>97</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66517) | 1999 RM <sub>98</sub>  | 1999 09 07 | 704 | LINEAR                   |
| (66518) | 1999 RK <sub>99</sub>  | 1999 09 08 | 704 | LINEAR                   |
| (66519) | 1999 RZ <sub>99</sub>  | 1999 09 08 | 704 | LINEAR                   |
| (66520) | 1999 RQ <sub>101</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66521) | 1999 RR <sub>101</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66522) | 1999 RG <sub>102</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66523) | 1999 RN <sub>102</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66524) | 1999 RQ <sub>102</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66525) | 1999 RH <sub>103</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66526) | 1999 RX <sub>103</sub> | 1999 09 08 | 704 | LINEAR                   |
| (66527) | 1999 RD <sub>104</sub> | 1999 09 08 | 704 | LINEAR                   |

|         |                        |            |     |        |
|---------|------------------------|------------|-----|--------|
| (66528) | 1999 RV <sub>105</sub> | 1999 09 08 | 704 | LINEAR |
| (66529) | 1999 RX <sub>107</sub> | 1999 09 08 | 704 | LINEAR |
| (66530) | 1999 RJ <sub>108</sub> | 1999 09 08 | 704 | LINEAR |
| (66531) | 1999 RX <sub>108</sub> | 1999 09 08 | 704 | LINEAR |
| (66532) | 1999 RZ <sub>110</sub> | 1999 09 08 | 704 | LINEAR |
| (66533) | 1999 RN <sub>111</sub> | 1999 09 09 | 704 | LINEAR |
| (66534) | 1999 RA <sub>112</sub> | 1999 09 09 | 704 | LINEAR |
| (66535) | 1999 RF <sub>112</sub> | 1999 09 09 | 704 | LINEAR |
| (66536) | 1999 RD <sub>113</sub> | 1999 09 09 | 704 | LINEAR |
| (66537) | 1999 RU <sub>115</sub> | 1999 09 09 | 704 | LINEAR |
| (66538) | 1999 RV <sub>117</sub> | 1999 09 09 | 704 | LINEAR |
| (66539) | 1999 RX <sub>117</sub> | 1999 09 09 | 704 | LINEAR |
| (66540) | 1999 RM <sub>118</sub> | 1999 09 09 | 704 | LINEAR |
| (66541) | 1999 RP <sub>118</sub> | 1999 09 09 | 704 | LINEAR |
| (66542) | 1999 RT <sub>118</sub> | 1999 09 09 | 704 | LINEAR |
| (66543) | 1999 RJ <sub>119</sub> | 1999 09 09 | 704 | LINEAR |
| (66544) | 1999 RR <sub>119</sub> | 1999 09 09 | 704 | LINEAR |
| (66545) | 1999 RJ <sub>120</sub> | 1999 09 09 | 704 | LINEAR |
| (66546) | 1999 RG <sub>122</sub> | 1999 09 09 | 704 | LINEAR |
| (66547) | 1999 RG <sub>124</sub> | 1999 09 09 | 704 | LINEAR |
| (66548) | 1999 RL <sub>124</sub> | 1999 09 09 | 704 | LINEAR |
| (66549) | 1999 RS <sub>124</sub> | 1999 09 09 | 704 | LINEAR |
| (66550) | 1999 RU <sub>124</sub> | 1999 09 09 | 704 | LINEAR |
| (66551) | 1999 RC <sub>128</sub> | 1999 09 09 | 704 | LINEAR |
| (66552) | 1999 RQ <sub>130</sub> | 1999 09 09 | 704 | LINEAR |
| (66553) | 1999 RV <sub>130</sub> | 1999 09 09 | 704 | LINEAR |
| (66554) | 1999 RT <sub>131</sub> | 1999 09 09 | 704 | LINEAR |
| (66555) | 1999 RQ <sub>132</sub> | 1999 09 09 | 704 | LINEAR |
| (66556) | 1999 RB <sub>133</sub> | 1999 09 09 | 704 | LINEAR |
| (66557) | 1999 RN <sub>133</sub> | 1999 09 09 | 704 | LINEAR |
| (66558) | 1999 RX <sub>134</sub> | 1999 09 09 | 704 | LINEAR |
| (66559) | 1999 RB <sub>135</sub> | 1999 09 09 | 704 | LINEAR |
| (66560) | 1999 RR <sub>135</sub> | 1999 09 09 | 704 | LINEAR |
| (66561) | 1999 RW <sub>135</sub> | 1999 09 09 | 704 | LINEAR |
| (66562) | 1999 RO <sub>136</sub> | 1999 09 09 | 704 | LINEAR |
| (66563) | 1999 RV <sub>136</sub> | 1999 09 09 | 704 | LINEAR |
| (66564) | 1999 RU <sub>137</sub> | 1999 09 09 | 704 | LINEAR |
| (66565) | 1999 RC <sub>138</sub> | 1999 09 09 | 704 | LINEAR |
| (66566) | 1999 RL <sub>139</sub> | 1999 09 09 | 704 | LINEAR |
| (66567) | 1999 RV <sub>140</sub> | 1999 09 09 | 704 | LINEAR |
| (66568) | 1999 RQ <sub>142</sub> | 1999 09 09 | 704 | LINEAR |
| (66569) | 1999 RM <sub>145</sub> | 1999 09 09 | 704 | LINEAR |
| (66570) | 1999 RW <sub>145</sub> | 1999 09 09 | 704 | LINEAR |
| (66571) | 1999 RP <sub>147</sub> | 1999 09 09 | 704 | LINEAR |
| (66572) | 1999 RU <sub>149</sub> | 1999 09 09 | 704 | LINEAR |
| (66573) | 1999 RL <sub>152</sub> | 1999 09 14 | 704 | LINEAR |
| (66574) | 1999 RR <sub>152</sub> | 1999 09 09 | 704 | LINEAR |
| (66575) | 1999 RX <sub>152</sub> | 1999 09 09 | 704 | LINEAR |
| (66576) | 1999 RY <sub>152</sub> | 1999 09 09 | 704 | LINEAR |
| (66577) | 1999 RD <sub>153</sub> | 1999 09 09 | 704 | LINEAR |
| (66578) | 1999 RS <sub>153</sub> | 1999 09 09 | 704 | LINEAR |
| (66579) | 1999 RK <sub>154</sub> | 1999 09 09 | 704 | LINEAR |

|         |                        |            |     |        |
|---------|------------------------|------------|-----|--------|
| (66580) | 1999 RE <sub>155</sub> | 1999 09 09 | 704 | LINEAR |
| (66581) | 1999 RF <sub>155</sub> | 1999 09 09 | 704 | LINEAR |
| (66582) | 1999 RZ <sub>155</sub> | 1999 09 09 | 704 | LINEAR |
| (66583) | 1999 RL <sub>156</sub> | 1999 09 09 | 704 | LINEAR |
| (66584) | 1999 RM <sub>161</sub> | 1999 09 09 | 704 | LINEAR |
| (66585) | 1999 RC <sub>162</sub> | 1999 09 09 | 704 | LINEAR |
| (66586) | 1999 RC <sub>164</sub> | 1999 09 09 | 704 | LINEAR |
| (66587) | 1999 RB <sub>167</sub> | 1999 09 09 | 704 | LINEAR |
| (66588) | 1999 RX <sub>167</sub> | 1999 09 09 | 704 | LINEAR |
| (66589) | 1999 RE <sub>168</sub> | 1999 09 09 | 704 | LINEAR |
| (66590) | 1999 RD <sub>169</sub> | 1999 09 09 | 704 | LINEAR |
| (66591) | 1999 RY <sub>170</sub> | 1999 09 09 | 704 | LINEAR |
| (66592) | 1999 RU <sub>174</sub> | 1999 09 09 | 704 | LINEAR |
| (66593) | 1999 RL <sub>176</sub> | 1999 09 09 | 704 | LINEAR |
| (66594) | 1999 RO <sub>176</sub> | 1999 09 09 | 704 | LINEAR |
| (66595) | 1999 RU <sub>178</sub> | 1999 09 09 | 704 | LINEAR |
| (66596) | 1999 RO <sub>180</sub> | 1999 09 09 | 704 | LINEAR |
| (66597) | 1999 RA <sub>181</sub> | 1999 09 09 | 704 | LINEAR |
| (66598) | 1999 RF <sub>182</sub> | 1999 09 09 | 704 | LINEAR |
| (66599) | 1999 RM <sub>184</sub> | 1999 09 09 | 704 | LINEAR |
| (66600) | 1999 RQ <sub>184</sub> | 1999 09 09 | 704 | LINEAR |
| (66601) | 1999 RH <sub>186</sub> | 1999 09 09 | 704 | LINEAR |
| (66602) | 1999 RH <sub>187</sub> | 1999 09 09 | 704 | LINEAR |
| (66603) | 1999 RB <sub>190</sub> | 1999 09 09 | 704 | LINEAR |
| (66604) | 1999 RB <sub>194</sub> | 1999 09 07 | 704 | LINEAR |
| (66605) | 1999 RF <sub>194</sub> | 1999 09 07 | 704 | LINEAR |
| (66606) | 1999 RK <sub>194</sub> | 1999 09 07 | 704 | LINEAR |
| (66607) | 1999 RG <sub>195</sub> | 1999 09 08 | 704 | LINEAR |
| (66608) | 1999 RW <sub>196</sub> | 1999 09 08 | 704 | LINEAR |
| (66609) | 1999 RW <sub>198</sub> | 1999 09 10 | 704 | LINEAR |
| (66610) | 1999 RX <sub>198</sub> | 1999 09 10 | 704 | LINEAR |
| (66611) | 1999 RZ <sub>198</sub> | 1999 09 10 | 704 | LINEAR |
| (66612) | 1999 RO <sub>199</sub> | 1999 09 08 | 704 | LINEAR |
| (66613) | 1999 RR <sub>199</sub> | 1999 09 08 | 704 | LINEAR |
| (66614) | 1999 RE <sub>200</sub> | 1999 09 08 | 704 | LINEAR |
| (66615) | 1999 RJ <sub>200</sub> | 1999 09 08 | 704 | LINEAR |
| (66616) | 1999 RY <sub>200</sub> | 1999 09 08 | 704 | LINEAR |
| (66617) | 1999 RO <sub>201</sub> | 1999 09 08 | 704 | LINEAR |
| (66618) | 1999 RT <sub>201</sub> | 1999 09 08 | 704 | LINEAR |
| (66619) | 1999 RE <sub>203</sub> | 1999 09 08 | 704 | LINEAR |
| (66620) | 1999 RZ <sub>203</sub> | 1999 09 08 | 704 | LINEAR |
| (66621) | 1999 RD <sub>204</sub> | 1999 09 08 | 704 | LINEAR |
| (66622) | 1999 RJ <sub>204</sub> | 1999 09 08 | 704 | LINEAR |
| (66623) | 1999 RL <sub>204</sub> | 1999 09 08 | 704 | LINEAR |
| (66624) | 1999 RM <sub>204</sub> | 1999 09 08 | 704 | LINEAR |
| (66625) | 1999 RE <sub>205</sub> | 1999 09 08 | 704 | LINEAR |
| (66626) | 1999 RJ <sub>205</sub> | 1999 09 08 | 704 | LINEAR |
| (66627) | 1999 RC <sub>208</sub> | 1999 09 08 | 704 | LINEAR |
| (66628) | 1999 RF <sub>208</sub> | 1999 09 08 | 704 | LINEAR |
| (66629) | 1999 RJ <sub>208</sub> | 1999 09 08 | 704 | LINEAR |
| (66630) | 1999 RS <sub>208</sub> | 1999 09 08 | 704 | LINEAR |
| (66631) | 1999 RP <sub>209</sub> | 1999 09 08 | 704 | LINEAR |

|         |                        |            |     |                                         |
|---------|------------------------|------------|-----|-----------------------------------------|
| (66632) | 1999 RT <sub>210</sub> | 1999 09 08 | 704 | LINEAR                                  |
| (66633) | 1999 RB <sub>212</sub> | 1999 09 08 | 704 | LINEAR                                  |
| (66634) | 1999 RJ <sub>212</sub> | 1999 09 08 | 704 | LINEAR                                  |
| (66635) | 1999 RR <sub>212</sub> | 1999 09 08 | 704 | LINEAR                                  |
| (66636) | 1999 RA <sub>213</sub> | 1999 09 09 | 704 | LINEAR                                  |
| (66637) | 1999 RC <sub>213</sub> | 1999 09 09 | 704 | LINEAR                                  |
| (66638) | 1999 RD <sub>218</sub> | 1999 09 04 | 703 | CSS                                     |
| (66639) | 1999 RQ <sub>219</sub> | 1999 09 04 | 699 | LONEOS                                  |
| (66640) | 1999 RG <sub>220</sub> | 1999 09 04 | 703 | CSS                                     |
| (66641) | 1999 RQ <sub>225</sub> | 1999 09 03 | 691 | Spacewatch                              |
| (66642) | 1999 RE <sub>226</sub> | 1999 09 04 | 703 | CSS                                     |
| (66643) | 1999 RW <sub>229</sub> | 1999 09 08 | 703 | CSS                                     |
| (66644) | 1999 RL <sub>231</sub> | 1999 09 09 | 699 | LONEOS                                  |
| (66645) | 1999 RN <sub>232</sub> | 1999 09 09 | 699 | LONEOS                                  |
| (66646) | 1999 RM <sub>237</sub> | 1999 09 08 | 703 | CSS                                     |
| (66647) | 1999 RV <sub>237</sub> | 1999 09 08 | 704 | LINEAR                                  |
| (66648) | 1999 RZ <sub>245</sub> | 1999 09 07 | 699 | LONEOS                                  |
| (66649) | 1999 RE <sub>246</sub> | 1999 09 07 | 699 | LONEOS                                  |
| (66650) | 1999 RN <sub>246</sub> | 1999 09 07 | 699 | LONEOS                                  |
| (66651) | 1999 RQ <sub>252</sub> | 1999 09 08 | 704 | LINEAR                                  |
| (66652) | 1999 RZ <sub>253</sub> | 1999 09 08 | 568 | Trujillo, C., Luu, J. X., Jewitt, D. C. |
| (66653) | 1999 RS <sub>254</sub> | 1999 09 08 | 703 | CSS                                     |
| (66654) | 1999 SF <sub>12</sub>  | 1999 09 22 | 704 | LINEAR                                  |
| (66655) | 1999 SN <sub>13</sub>  | 1999 09 30 | 691 | Spacewatch                              |
| (66656) | 1999 SV <sub>17</sub>  | 1999 09 30 | 704 | LINEAR                                  |
| (66657) | 1999 SM <sub>19</sub>  | 1999 09 30 | 704 | LINEAR                                  |
| (66658) | 1999 ST <sub>26</sub>  | 1999 09 30 | 704 | LINEAR                                  |
| (66659) | 1999 TJ <sub>1</sub>   | 1999 10 01 | 120 | Korlević, K.                            |
| (66660) | 1999 TH <sub>2</sub>   | 1999 10 02 | 678 | Juels, C. W.                            |
| (66661) | 1999 TK <sub>2</sub>   | 1999 10 02 | 715 | Dixon, D. S.                            |
| (66662) | 1999 TM <sub>4</sub>   | 1999 10 03 | 704 | LINEAR                                  |
| (66663) | 1999 TV <sub>8</sub>   | 1999 10 06 | 120 | Korlević, K., Jurić, M.                 |
| (66664) | 1999 TB <sub>9</sub>   | 1999 10 07 | 120 | Korlević, K., Jurić, M.                 |
| (66665) | 1999 TC <sub>9</sub>   | 1999 10 07 | 120 | Korlević, K., Jurić, M.                 |
| (66666) | 1999 TL <sub>9</sub>   | 1999 10 07 | 120 | Korlević, K., Jurić, M.                 |
| (66667) | 1999 TZ <sub>11</sub>  | 1999 10 08 | 106 | Crni Vrh                                |
| (66668) | 1999 TN <sub>14</sub>  | 1999 10 11 | 120 | Korlević, K., Jurić, M.                 |
| (66669) | 1999 TE <sub>15</sub>  | 1999 10 12 | 118 | Galád, A., Kolény, P.                   |
| (66670) | 1999 TR <sub>15</sub>  | 1999 10 12 | 595 | Farra d'Isonzo                          |
| (66671) | 1999 TJ <sub>17</sub>  | 1999 10 15 | 740 | Johnson, M. L., Bruton, W. D.           |
| (66672) | 1999 TB <sub>18</sub>  | 1999 10 10 | 327 | BAO Schmidt CCD Asteroid Program        |
| (66673) | 1999 TC <sub>19</sub>  | 1999 10 15 | 120 | Korlević, K.                            |
| (66674) | 1999 TO <sub>25</sub>  | 1999 10 03 | 704 | LINEAR                                  |
| (66675) | 1999 TF <sub>26</sub>  | 1999 10 03 | 704 | LINEAR                                  |
| (66676) | 1999 TS <sub>27</sub>  | 1999 10 03 | 704 | LINEAR                                  |
| (66677) | 1999 TM <sub>28</sub>  | 1999 10 04 | 704 | LINEAR                                  |
| (66678) | 1999 TR <sub>28</sub>  | 1999 10 04 | 704 | LINEAR                                  |
| (66679) | 1999 TD <sub>29</sub>  | 1999 10 04 | 704 | LINEAR                                  |
| (66680) | 1999 TG <sub>29</sub>  | 1999 10 04 | 704 | LINEAR                                  |
| (66681) | 1999 TN <sub>33</sub>  | 1999 10 04 | 704 | LINEAR                                  |
| (66682) | 1999 TR <sub>35</sub>  | 1999 10 04 | 704 | LINEAR                                  |
| (66683) | 1999 TO <sub>36</sub>  | 1999 10 12 | 699 | LONEOS                                  |

|         |                        |            |     |            |
|---------|------------------------|------------|-----|------------|
| (66684) | 1999 TY <sub>36</sub>  | 1999 10 15 | 699 | LONEOS     |
| (66685) | 1999 TT <sub>37</sub>  | 1999 10 01 | 703 | CSS        |
| (66686) | 1999 TX <sub>37</sub>  | 1999 10 01 | 703 | CSS        |
| (66687) | 1999 TU <sub>45</sub>  | 1999 10 03 | 691 | Spacewatch |
| (66688) | 1999 TJ <sub>52</sub>  | 1999 10 04 | 691 | Spacewatch |
| (66689) | 1999 TU <sub>52</sub>  | 1999 10 06 | 691 | Spacewatch |
| (66690) | 1999 TH <sub>63</sub>  | 1999 10 07 | 691 | Spacewatch |
| (66691) | 1999 TE <sub>67</sub>  | 1999 10 08 | 691 | Spacewatch |
| (66692) | 1999 TL <sub>69</sub>  | 1999 10 09 | 691 | Spacewatch |
| (66693) | 1999 TB <sub>70</sub>  | 1999 10 09 | 691 | Spacewatch |
| (66694) | 1999 TF <sub>72</sub>  | 1999 10 09 | 691 | Spacewatch |
| (66695) | 1999 TZ <sub>72</sub>  | 1999 10 10 | 691 | Spacewatch |
| (66696) | 1999 TK <sub>75</sub>  | 1999 10 10 | 691 | Spacewatch |
| (66697) | 1999 TX <sub>80</sub>  | 1999 10 11 | 691 | Spacewatch |
| (66698) | 1999 TM <sub>82</sub>  | 1999 10 12 | 691 | Spacewatch |
| (66699) | 1999 TB <sub>85</sub>  | 1999 10 14 | 691 | Spacewatch |
| (66700) | 1999 TC <sub>85</sub>  | 1999 10 14 | 691 | Spacewatch |
| (66701) | 1999 TN <sub>86</sub>  | 1999 10 15 | 691 | Spacewatch |
| (66702) | 1999 TJ <sub>88</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66703) | 1999 TL <sub>89</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66704) | 1999 TU <sub>91</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66705) | 1999 TM <sub>92</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66706) | 1999 TY <sub>92</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66707) | 1999 TG <sub>93</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66708) | 1999 TY <sub>93</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66709) | 1999 TS <sub>95</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66710) | 1999 TT <sub>96</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66711) | 1999 TQ <sub>99</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66712) | 1999 TS <sub>99</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66713) | 1999 TZ <sub>99</sub>  | 1999 10 02 | 704 | LINEAR     |
| (66714) | 1999 TT <sub>100</sub> | 1999 10 02 | 704 | LINEAR     |
| (66715) | 1999 TA <sub>101</sub> | 1999 10 02 | 704 | LINEAR     |
| (66716) | 1999 TB <sub>102</sub> | 1999 10 02 | 704 | LINEAR     |
| (66717) | 1999 TK <sub>102</sub> | 1999 10 02 | 704 | LINEAR     |
| (66718) | 1999 TU <sub>104</sub> | 1999 10 03 | 704 | LINEAR     |
| (66719) | 1999 TG <sub>105</sub> | 1999 10 03 | 704 | LINEAR     |
| (66720) | 1999 TH <sub>105</sub> | 1999 10 03 | 704 | LINEAR     |
| (66721) | 1999 TX <sub>106</sub> | 1999 10 04 | 704 | LINEAR     |
| (66722) | 1999 TC <sub>107</sub> | 1999 10 04 | 704 | LINEAR     |
| (66723) | 1999 TE <sub>107</sub> | 1999 10 04 | 704 | LINEAR     |
| (66724) | 1999 TN <sub>107</sub> | 1999 10 04 | 704 | LINEAR     |
| (66725) | 1999 TH <sub>109</sub> | 1999 10 04 | 704 | LINEAR     |
| (66726) | 1999 TG <sub>110</sub> | 1999 10 04 | 704 | LINEAR     |
| (66727) | 1999 TH <sub>110</sub> | 1999 10 04 | 704 | LINEAR     |
| (66728) | 1999 TN <sub>110</sub> | 1999 10 04 | 704 | LINEAR     |
| (66729) | 1999 TH <sub>111</sub> | 1999 10 04 | 704 | LINEAR     |
| (66730) | 1999 TM <sub>111</sub> | 1999 10 04 | 704 | LINEAR     |
| (66731) | 1999 TN <sub>111</sub> | 1999 10 04 | 704 | LINEAR     |
| (66732) | 1999 TW <sub>111</sub> | 1999 10 04 | 704 | LINEAR     |
| (66733) | 1999 TO <sub>113</sub> | 1999 10 04 | 704 | LINEAR     |
| (66734) | 1999 TX <sub>114</sub> | 1999 10 04 | 704 | LINEAR     |
| (66735) | 1999 TX <sub>115</sub> | 1999 10 04 | 704 | LINEAR     |

|         |                        |            |     |            |         |                        |            |     |                                  |
|---------|------------------------|------------|-----|------------|---------|------------------------|------------|-----|----------------------------------|
| (66736) | 1999 TB <sub>118</sub> | 1999 10 04 | 704 | LINEAR     | (66788) | 1999 TL <sub>230</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66737) | 1999 TF <sub>119</sub> | 1999 10 04 | 704 | LINEAR     | (66789) | 1999 TS <sub>231</sub> | 1999 10 05 | 703 | CSS                              |
| (66738) | 1999 TJ <sub>120</sub> | 1999 10 04 | 704 | LINEAR     | (66790) | 1999 TZ <sub>232</sub> | 1999 10 07 | 703 | CSS                              |
| (66739) | 1999 TC <sub>122</sub> | 1999 10 04 | 704 | LINEAR     | (66791) | 1999 TH <sub>233</sub> | 1999 10 03 | 703 | CSS                              |
| (66740) | 1999 TE <sub>122</sub> | 1999 10 04 | 704 | LINEAR     | (66792) | 1999 TM <sub>233</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66741) | 1999 TY <sub>122</sub> | 1999 10 04 | 704 | LINEAR     | (66793) | 1999 TW <sub>236</sub> | 1999 10 03 | 703 | CSS                              |
| (66742) | 1999 TP <sub>123</sub> | 1999 10 04 | 704 | LINEAR     | (66794) | 1999 TP <sub>237</sub> | 1999 10 04 | 704 | LINEAR                           |
| (66743) | 1999 TW <sub>124</sub> | 1999 10 04 | 704 | LINEAR     | (66795) | 1999 TP <sub>248</sub> | 1999 10 08 | 703 | CSS                              |
| (66744) | 1999 TM <sub>128</sub> | 1999 10 05 | 704 | LINEAR     | (66796) | 1999 TD <sub>252</sub> | 1999 10 08 | 704 | LINEAR                           |
| (66745) | 1999 TO <sub>128</sub> | 1999 10 05 | 704 | LINEAR     | (66797) | 1999 TJ <sub>256</sub> | 1999 10 09 | 704 | LINEAR                           |
| (66746) | 1999 TW <sub>136</sub> | 1999 10 06 | 704 | LINEAR     | (66798) | 1999 TA <sub>265</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66747) | 1999 TO <sub>139</sub> | 1999 10 06 | 704 | LINEAR     | (66799) | 1999 TT <sub>267</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66748) | 1999 TJ <sub>149</sub> | 1999 10 07 | 704 | LINEAR     | (66800) | 1999 TB <sub>270</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66749) | 1999 TN <sub>151</sub> | 1999 10 07 | 704 | LINEAR     | (66801) | 1999 TF <sub>270</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66750) | 1999 TZ <sub>155</sub> | 1999 10 07 | 704 | LINEAR     | (66802) | 1999 TJ <sub>270</sub> | 1999 10 03 | 704 | LINEAR                           |
| (66751) | 1999 TP <sub>156</sub> | 1999 10 08 | 704 | LINEAR     | (66803) | 1999 TD <sub>273</sub> | 1999 10 05 | 704 | LINEAR                           |
| (66752) | 1999 TZ <sub>164</sub> | 1999 10 10 | 704 | LINEAR     | (66804) | 1999 TE <sub>281</sub> | 1999 10 08 | 704 | LINEAR                           |
| (66753) | 1999 TQ <sub>173</sub> | 1999 10 10 | 704 | LINEAR     | (66805) | 1999 TU <sub>284</sub> | 1999 10 09 | 704 | LINEAR                           |
| (66754) | 1999 TZ <sub>173</sub> | 1999 10 10 | 704 | LINEAR     | (66806) | 1999 TC <sub>286</sub> | 1999 10 10 | 704 | LINEAR                           |
| (66755) | 1999 TT <sub>175</sub> | 1999 10 10 | 704 | LINEAR     | (66807) | 1999 TD <sub>288</sub> | 1999 10 10 | 704 | LINEAR                           |
| (66756) | 1999 TE <sub>177</sub> | 1999 10 10 | 704 | LINEAR     | (66808) | 1999 TU <sub>288</sub> | 1999 10 10 | 704 | LINEAR                           |
| (66757) | 1999 TE <sub>184</sub> | 1999 10 12 | 704 | LINEAR     | (66809) | 1999 TX <sub>288</sub> | 1999 10 10 | 704 | LINEAR                           |
| (66758) | 1999 TP <sub>184</sub> | 1999 10 12 | 704 | LINEAR     | (66810) | 1999 UM <sub>4</sub>   | 1999 10 29 | 691 | Spacewatch                       |
| (66759) | 1999 TU <sub>185</sub> | 1999 10 12 | 704 | LINEAR     | (66811) | 1999 UA <sub>6</sub>   | 1999 10 18 | 327 | BAO Schmidt CCD Asteroid Program |
| (66760) | 1999 TV <sub>185</sub> | 1999 10 12 | 704 | LINEAR     | (66812) | 1999 UE <sub>8</sub>   | 1999 10 29 | 703 | CSS                              |
| (66761) | 1999 TE <sub>187</sub> | 1999 10 12 | 704 | LINEAR     | (66813) | 1999 UQ <sub>11</sub>  | 1999 10 31 | 704 | LINEAR                           |
| (66762) | 1999 TU <sub>187</sub> | 1999 10 12 | 704 | LINEAR     | (66814) | 1999 UX <sub>12</sub>  | 1999 10 29 | 703 | CSS                              |
| (66763) | 1999 TZ <sub>189</sub> | 1999 10 12 | 704 | LINEAR     | (66815) | 1999 UQ <sub>13</sub>  | 1999 10 29 | 703 | CSS                              |
| (66764) | 1999 TD <sub>190</sub> | 1999 10 12 | 704 | LINEAR     | (66816) | 1999 UO <sub>14</sub>  | 1999 10 29 | 703 | CSS                              |
| (66765) | 1999 TJ <sub>191</sub> | 1999 10 12 | 704 | LINEAR     | (66817) | 1999 UR <sub>15</sub>  | 1999 10 29 | 703 | CSS                              |
| (66766) | 1999 TF <sub>194</sub> | 1999 10 12 | 704 | LINEAR     | (66818) | 1999 UT <sub>16</sub>  | 1999 10 29 | 703 | CSS                              |
| (66767) | 1999 TT <sub>194</sub> | 1999 10 12 | 704 | LINEAR     | (66819) | 1999 UZ <sub>16</sub>  | 1999 10 30 | 703 | CSS                              |
| (66768) | 1999 TG <sub>200</sub> | 1999 10 12 | 704 | LINEAR     | (66820) | 1999 UW <sub>17</sub>  | 1999 10 30 | 691 | Spacewatch                       |
| (66769) | 1999 TJ <sub>200</sub> | 1999 10 12 | 704 | LINEAR     | (66821) | 1999 UC <sub>21</sub>  | 1999 10 31 | 691 | Spacewatch                       |
| (66770) | 1999 TH <sub>207</sub> | 1999 10 14 | 704 | LINEAR     | (66822) | 1999 UD <sub>22</sub>  | 1999 10 31 | 691 | Spacewatch                       |
| (66771) | 1999 TM <sub>210</sub> | 1999 10 14 | 704 | LINEAR     | (66823) | 1999 UA <sub>25</sub>  | 1999 10 28 | 703 | CSS                              |
| (66772) | 1999 TH <sub>217</sub> | 1999 10 15 | 704 | LINEAR     | (66824) | 1999 UM <sub>26</sub>  | 1999 10 30 | 703 | CSS                              |
| (66773) | 1999 TT <sub>219</sub> | 1999 10 01 | 703 | CSS        | (66825) | 1999 UZ <sub>27</sub>  | 1999 10 30 | 691 | Spacewatch                       |
| (66774) | 1999 TD <sub>220</sub> | 1999 10 01 | 703 | CSS        | (66826) | 1999 UX <sub>36</sub>  | 1999 10 16 | 691 | Spacewatch                       |
| (66775) | 1999 TS <sub>220</sub> | 1999 10 01 | 703 | CSS        | (66827) | 1999 UG <sub>37</sub>  | 1999 10 16 | 691 | Spacewatch                       |
| (66776) | 1999 TA <sub>221</sub> | 1999 10 02 | 703 | CSS        | (66828) | 1999 UG <sub>41</sub>  | 1999 10 17 | 699 | LONEOS                           |
| (66777) | 1999 TD <sub>221</sub> | 1999 10 02 | 703 | CSS        | (66829) | 1999 UY <sub>42</sub>  | 1999 10 28 | 703 | CSS                              |
| (66778) | 1999 TL <sub>221</sub> | 1999 10 02 | 704 | LINEAR     | (66830) | 1999 UT <sub>43</sub>  | 1999 10 28 | 699 | LONEOS                           |
| (66779) | 1999 TS <sub>221</sub> | 1999 10 02 | 704 | LINEAR     | (66831) | 1999 UJ <sub>44</sub>  | 1999 10 29 | 703 | CSS                              |
| (66780) | 1999 TW <sub>223</sub> | 1999 10 03 | 703 | CSS        | (66832) | 1999 UE <sub>45</sub>  | 1999 10 31 | 703 | CSS                              |
| (66781) | 1999 TY <sub>223</sub> | 1999 10 03 | 699 | LONEOS     | (66833) | 1999 UP <sub>45</sub>  | 1999 10 31 | 703 | CSS                              |
| (66782) | 1999 TT <sub>225</sub> | 1999 10 02 | 691 | Spacewatch | (66834) | 1999 UT <sub>46</sub>  | 1999 10 31 | 012 | Elst, E. W.                      |
| (66783) | 1999 TE <sub>227</sub> | 1999 10 05 | 704 | LINEAR     | (66835) | 1999 UQ <sub>47</sub>  | 1999 10 30 | 703 | CSS                              |
| (66784) | 1999 TM <sub>228</sub> | 1999 10 02 | 704 | LINEAR     | (66836) | 1999 UM <sub>48</sub>  | 1999 10 30 | 703 | CSS                              |
| (66785) | 1999 TN <sub>228</sub> | 1999 10 02 | 704 | LINEAR     | (66837) | 1999 US <sub>48</sub>  | 1999 10 31 | 703 | CSS                              |
| (66786) | 1999 TX <sub>228</sub> | 1999 10 03 | 691 | Spacewatch | (66838) | 1999 UF <sub>49</sub>  | 1999 10 31 | 703 | CSS                              |
| (66787) | 1999 TY <sub>228</sub> | 1999 10 03 | 691 | Spacewatch | (66839) | 1999 UE <sub>51</sub>  | 1999 10 31 | 703 | CSS                              |

|         |                       |            |     |                                  |         |                        |            |     |                         |
|---------|-----------------------|------------|-----|----------------------------------|---------|------------------------|------------|-----|-------------------------|
| (66840) | 1999 UU <sub>52</sub> | 1999 10 31 | 703 | CSS                              | (66892) | 1999 VN <sub>87</sub>  | 1999 11 05 | 704 | LINEAR                  |
| (66841) | 1999 UA <sub>53</sub> | 1999 10 31 | 703 | CSS                              | (66893) | 1999 VQ <sub>87</sub>  | 1999 11 05 | 704 | LINEAR                  |
| (66842) | 1999 UG <sub>53</sub> | 1999 10 20 | 699 | LONEOS                           | (66894) | 1999 VB <sub>98</sub>  | 1999 11 09 | 704 | LINEAR                  |
| (66843) | 1999 VG               | 1999 11 01 | 732 | Roe, J. M.                       | (66895) | 1999 VO <sub>99</sub>  | 1999 11 09 | 704 | LINEAR                  |
| (66844) | 1999 VP               | 1999 11 01 | 678 | Juels, C. W.                     | (66896) | 1999 VN <sub>104</sub> | 1999 11 09 | 704 | LINEAR                  |
| (66845) | 1999 VE <sub>2</sub>  | 1999 11 05 | 757 | Chesney, D. K.                   | (66897) | 1999 VZ <sub>113</sub> | 1999 11 09 | 703 | CSS                     |
| (66846) | 1999 VP <sub>2</sub>  | 1999 11 06 | 721 | Linderholm, R.                   | (66898) | 1999 VS <sub>114</sub> | 1999 11 09 | 703 | CSS                     |
| (66847) | 1999 VT <sub>4</sub>  | 1999 11 05 | 120 | Korlević, K.                     | (66899) | 1999 VV <sub>114</sub> | 1999 11 09 | 703 | CSS                     |
| (66848) | 1999 VX <sub>5</sub>  | 1999 11 05 | 411 | Kobayashi, T.                    | (66900) | 1999 VO <sub>126</sub> | 1999 11 09 | 691 | Spacewatch              |
| (66849) | 1999 VM <sub>8</sub>  | 1999 11 04 | 132 | Antonini, P.                     | (66901) | 1999 VK <sub>135</sub> | 1999 11 13 | 699 | LONEOS                  |
| (66850) | 1999 VX <sub>8</sub>  | 1999 11 09 | 678 | Juels, C. W.                     | (66902) | 1999 VK <sub>144</sub> | 1999 11 11 | 703 | CSS                     |
| (66851) | 1999 VT <sub>9</sub>  | 1999 11 09 | 678 | Juels, C. W.                     | (66903) | 1999 VK <sub>147</sub> | 1999 11 12 | 704 | LINEAR                  |
| (66852) | 1999 VH <sub>11</sub> | 1999 11 09 | 120 | Korlević, K.                     | (66904) | 1999 VA <sub>160</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66853) | 1999 VH <sub>12</sub> | 1999 11 10 | 757 | Chesney, D. K.                   | (66905) | 1999 VC <sub>160</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66854) | 1999 VL <sub>19</sub> | 1999 11 10 | 120 | Korlević, K.                     | (66906) | 1999 VG <sub>162</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66855) | 1999 VM <sub>22</sub> | 1999 11 13 | 678 | Juels, C. W.                     | (66907) | 1999 VJ <sub>162</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66856) | 1999 VW <sub>22</sub> | 1999 11 13 | 474 | Griffin, I. P., Brady, N.        | (66908) | 1999 VY <sub>162</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66857) | 1999 VQ <sub>25</sub> | 1999 11 15 | 046 | Kleť                             | (66909) | 1999 VD <sub>163</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66858) | 1999 VJ <sub>27</sub> | 1999 11 03 | 703 | CSS                              | (66910) | 1999 VZ <sub>165</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66859) | 1999 VQ <sub>30</sub> | 1999 11 03 | 704 | LINEAR                           | (66911) | 1999 VF <sub>167</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66860) | 1999 VZ <sub>30</sub> | 1999 11 03 | 704 | LINEAR                           | (66912) | 1999 VH <sub>167</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66861) | 1999 VN <sub>31</sub> | 1999 11 03 | 704 | LINEAR                           | (66913) | 1999 VF <sub>169</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66862) | 1999 VL <sub>37</sub> | 1999 11 03 | 704 | LINEAR                           | (66914) | 1999 VK <sub>170</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66863) | 1999 VM <sub>43</sub> | 1999 11 01 | 703 | CSS                              | (66915) | 1999 VT <sub>170</sub> | 1999 11 14 | 704 | LINEAR                  |
| (66864) | 1999 VD <sub>44</sub> | 1999 11 03 | 703 | CSS                              | (66916) | 1999 VG <sub>176</sub> | 1999 11 03 | 704 | LINEAR                  |
| (66865) | 1999 VG <sub>44</sub> | 1999 11 03 | 703 | CSS                              | (66917) | 1999 VP <sub>176</sub> | 1999 11 05 | 704 | LINEAR                  |
| (66866) | 1999 VS <sub>45</sub> | 1999 11 04 | 703 | CSS                              | (66918) | 1999 VY <sub>176</sub> | 1999 11 05 | 704 | LINEAR                  |
| (66867) | 1999 VN <sub>47</sub> | 1999 11 03 | 704 | LINEAR                           | (66919) | 1999 VC <sub>177</sub> | 1999 11 05 | 704 | LINEAR                  |
| (66868) | 1999 VS <sub>47</sub> | 1999 11 03 | 704 | LINEAR                           | (66920) | 1999 VN <sub>178</sub> | 1999 11 06 | 704 | LINEAR                  |
| (66869) | 1999 VX <sub>47</sub> | 1999 11 03 | 704 | LINEAR                           | (66921) | 1999 VY <sub>178</sub> | 1999 11 06 | 704 | LINEAR                  |
| (66870) | 1999 VE <sub>48</sub> | 1999 11 03 | 704 | LINEAR                           | (66922) | 1999 VC <sub>185</sub> | 1999 11 15 | 704 | LINEAR                  |
| (66871) | 1999 VN <sub>48</sub> | 1999 11 03 | 704 | LINEAR                           | (66923) | 1999 VL <sub>186</sub> | 1999 11 15 | 704 | LINEAR                  |
| (66872) | 1999 VH <sub>50</sub> | 1999 11 03 | 704 | LINEAR                           | (66924) | 1999 VY <sub>186</sub> | 1999 11 15 | 704 | LINEAR                  |
| (66873) | 1999 VJ <sub>50</sub> | 1999 11 03 | 704 | LINEAR                           | (66925) | 1999 VZ <sub>190</sub> | 1999 11 10 | 704 | LINEAR                  |
| (66874) | 1999 VP <sub>50</sub> | 1999 11 03 | 704 | LINEAR                           | (66926) | 1999 VE <sub>193</sub> | 1999 11 01 | 699 | LONEOS                  |
| (66875) | 1999 VY <sub>52</sub> | 1999 11 03 | 704 | LINEAR                           | (66927) | 1999 VP <sub>199</sub> | 1999 11 02 | 703 | CSS                     |
| (66876) | 1999 VC <sub>55</sub> | 1999 11 04 | 704 | LINEAR                           | (66928) | 1999 VQ <sub>199</sub> | 1999 11 02 | 703 | CSS                     |
| (66877) | 1999 VT <sub>60</sub> | 1999 11 04 | 704 | LINEAR                           | (66929) | 1999 VS <sub>199</sub> | 1999 11 04 | 699 | LONEOS                  |
| (66878) | 1999 VM <sub>63</sub> | 1999 11 04 | 704 | LINEAR                           | (66930) | 1999 VG <sub>201</sub> | 1999 11 03 | 704 | LINEAR                  |
| (66879) | 1999 VK <sub>65</sub> | 1999 11 04 | 704 | LINEAR                           | (66931) | 1999 VL <sub>208</sub> | 1999 11 10 | 704 | LINEAR                  |
| (66880) | 1999 VO <sub>66</sub> | 1999 11 04 | 704 | LINEAR                           | (66932) | 1999 VL <sub>213</sub> | 1999 11 13 | 699 | LONEOS                  |
| (66881) | 1999 VL <sub>67</sub> | 1999 11 04 | 704 | LINEAR                           | (66933) | 1999 VK <sub>229</sub> | 1999 11 05 | 704 | LINEAR                  |
| (66882) | 1999 VZ <sub>67</sub> | 1999 11 04 | 704 | LINEAR                           | (66934) | 1999 WF <sub>1</sub>   | 1999 11 26 | 046 | Kleť                    |
| (66883) | 1999 VC <sub>70</sub> | 1999 11 04 | 704 | LINEAR                           | (66935) | 1999 WZ <sub>1</sub>   | 1999 11 26 | 120 | Korlević, K.            |
| (66884) | 1999 VX <sub>70</sub> | 1999 11 04 | 704 | LINEAR                           | (66936) | 1999 WD <sub>5</sub>   | 1999 11 28 | 411 | Kobayashi, T.           |
| (66885) | 1999 VH <sub>72</sub> | 1999 11 12 | 327 | BAO Schmidt CCD Asteroid Program | (66937) | 1999 WB <sub>6</sub>   | 1999 11 28 | 120 | Korlević, K.            |
| (66886) | 1999 VJ <sub>72</sub> | 1999 11 12 | 327 | BAO Schmidt CCD Asteroid Program | (66938) | 1999 WM <sub>8</sub>   | 1999 11 29 | 159 | Donati, S.              |
| (66887) | 1999 VX <sub>74</sub> | 1999 11 05 | 691 | Spacewatch                       | (66939) | 1999 WQ <sub>8</sub>   | 1999 11 28 | 143 | Sposetti, S.            |
| (66888) | 1999 VE <sub>78</sub> | 1999 11 04 | 704 | LINEAR                           | (66940) | 1999 WM <sub>11</sub>  | 1999 11 29 | 905 | Shiozawa, H., Urata, T. |
| (66889) | 1999 VW <sub>78</sub> | 1999 11 04 | 704 | LINEAR                           | (66941) | 1999 WO <sub>11</sub>  | 1999 11 29 | 905 | Shiozawa, H., Urata, T. |
| (66890) | 1999 VD <sub>81</sub> | 1999 11 04 | 704 | LINEAR                           | (66942) | 1999 WR <sub>12</sub>  | 1999 11 29 | 691 | Spacewatch              |
| (66891) | 1999 VP <sub>85</sub> | 1999 11 05 | 703 | CSS                              | (66943) | 1999 WF <sub>17</sub>  | 1999 11 30 | 691 | Spacewatch              |

|         |                        |            |     |                   |         |                        |            |     |                      |
|---------|------------------------|------------|-----|-------------------|---------|------------------------|------------|-----|----------------------|
| (66944) | 1999 WQ <sub>20</sub>  | 1999 11 16 | 703 | CSS               | (66996) | 1999 XJ <sub>113</sub> | 1999 12 11 | 704 | LINEAR               |
| (66945) | 1999 XA <sub>1</sub>   | 1999 12 02 | 411 | Kobayashi, T.     | (66997) | 1999 XR <sub>113</sub> | 1999 12 11 | 704 | LINEAR               |
| (66946) | 1999 XT <sub>1</sub>   | 1999 12 03 | 747 | Cooney Jr., W. R. | (66998) | 1999 XY <sub>113</sub> | 1999 12 11 | 704 | LINEAR               |
| (66947) | 1999 XZ <sub>1</sub>   | 1999 12 03 | 678 | Juels, C. W.      | (66999) | 1999 XX <sub>115</sub> | 1999 12 05 | 703 | CSS                  |
| (66948) | 1999 XN <sub>5</sub>   | 1999 12 04 | 703 | CSS               | (67000) | 1999 XT <sub>116</sub> | 1999 12 05 | 703 | CSS                  |
| (66949) | 1999 XO <sub>7</sub>   | 1999 12 04 | 678 | Juels, C. W.      | (67001) | 1999 XN <sub>117</sub> | 1999 12 05 | 703 | CSS                  |
| (66950) | 1999 XQ <sub>11</sub>  | 1999 12 06 | 703 | CSS               | (67002) | 1999 XJ <sub>118</sub> | 1999 12 05 | 703 | CSS                  |
| (66951) | 1999 XN <sub>13</sub>  | 1999 12 05 | 704 | LINEAR            | (67003) | 1999 XU <sub>118</sub> | 1999 12 05 | 703 | CSS                  |
| (66952) | 1999 XF <sub>19</sub>  | 1999 12 03 | 704 | LINEAR            | (67004) | 1999 XU <sub>119</sub> | 1999 12 05 | 703 | CSS                  |
| (66953) | 1999 XM <sub>19</sub>  | 1999 12 03 | 704 | LINEAR            | (67005) | 1999 XZ <sub>120</sub> | 1999 12 05 | 703 | CSS                  |
| (66954) | 1999 XV <sub>19</sub>  | 1999 12 05 | 704 | LINEAR            | (67006) | 1999 XD <sub>121</sub> | 1999 12 05 | 703 | CSS                  |
| (66955) | 1999 XK <sub>20</sub>  | 1999 12 05 | 704 | LINEAR            | (67007) | 1999 XM <sub>121</sub> | 1999 12 05 | 703 | CSS                  |
| (66956) | 1999 XE <sub>21</sub>  | 1999 12 05 | 704 | LINEAR            | (67008) | 1999 XD <sub>122</sub> | 1999 12 07 | 703 | CSS                  |
| (66957) | 1999 XO <sub>21</sub>  | 1999 12 05 | 704 | LINEAR            | (67009) | 1999 XS <sub>122</sub> | 1999 12 07 | 703 | CSS                  |
| (66958) | 1999 XO <sub>23</sub>  | 1999 12 06 | 704 | LINEAR            | (67010) | 1999 XD <sub>123</sub> | 1999 12 07 | 703 | CSS                  |
| (66959) | 1999 XO <sub>35</sub>  | 1999 12 06 | 704 | LINEAR            | (67011) | 1999 XR <sub>123</sub> | 1999 12 07 | 703 | CSS                  |
| (66960) | 1999 XN <sub>36</sub>  | 1999 12 07 | 678 | Juels, C. W.      | (67012) | 1999 XL <sub>124</sub> | 1999 12 07 | 703 | CSS                  |
| (66961) | 1999 XU <sub>41</sub>  | 1999 12 07 | 704 | LINEAR            | (67013) | 1999 XY <sub>124</sub> | 1999 12 07 | 703 | CSS                  |
| (66962) | 1999 XL <sub>42</sub>  | 1999 12 07 | 704 | LINEAR            | (67014) | 1999 XJ <sub>125</sub> | 1999 12 07 | 703 | CSS                  |
| (66963) | 1999 XU <sub>43</sub>  | 1999 12 07 | 704 | LINEAR            | (67015) | 1999 XB <sub>126</sub> | 1999 12 07 | 703 | CSS                  |
| (66964) | 1999 XC <sub>49</sub>  | 1999 12 07 | 704 | LINEAR            | (67016) | 1999 XL <sub>130</sub> | 1999 12 12 | 704 | LINEAR               |
| (66965) | 1999 XL <sub>49</sub>  | 1999 12 07 | 704 | LINEAR            | (67017) | 1999 XV <sub>132</sub> | 1999 12 12 | 704 | LINEAR               |
| (66966) | 1999 XJ <sub>52</sub>  | 1999 12 07 | 704 | LINEAR            | (67018) | 1999 XY <sub>133</sub> | 1999 12 12 | 704 | LINEAR               |
| (66967) | 1999 XB <sub>53</sub>  | 1999 12 07 | 704 | LINEAR            | (67019) | 1999 XF <sub>137</sub> | 1999 12 13 | 118 | Kornoš, L., Toth, J. |
| (66968) | 1999 XU <sub>53</sub>  | 1999 12 07 | 704 | LINEAR            | (67020) | 1999 XS <sub>137</sub> | 1999 12 11 | 012 | Pauwels, T.          |
| (66969) | 1999 XW <sub>54</sub>  | 1999 12 07 | 704 | LINEAR            | (67021) | 1999 XG <sub>143</sub> | 1999 12 15 | 678 | Juels, C. W.         |
| (66970) | 1999 XV <sub>58</sub>  | 1999 12 07 | 704 | LINEAR            | (67022) | 1999 XO <sub>147</sub> | 1999 12 07 | 691 | Spacewatch           |
| (66971) | 1999 XG <sub>59</sub>  | 1999 12 07 | 704 | LINEAR            | (67023) | 1999 XP <sub>152</sub> | 1999 12 13 | 699 | LONEOS               |
| (66972) | 1999 XE <sub>64</sub>  | 1999 12 07 | 704 | LINEAR            | (67024) | 1999 XS <sub>153</sub> | 1999 12 07 | 704 | LINEAR               |
| (66973) | 1999 XM <sub>66</sub>  | 1999 12 07 | 704 | LINEAR            | (67025) | 1999 XU <sub>155</sub> | 1999 12 08 | 704 | LINEAR               |
| (66974) | 1999 XG <sub>70</sub>  | 1999 12 07 | 704 | LINEAR            | (67026) | 1999 XX <sub>155</sub> | 1999 12 08 | 704 | LINEAR               |
| (66975) | 1999 XR <sub>75</sub>  | 1999 12 07 | 704 | LINEAR            | (67027) | 1999 XE <sub>164</sub> | 1999 12 08 | 704 | LINEAR               |
| (66976) | 1999 XN <sub>78</sub>  | 1999 12 07 | 704 | LINEAR            | (67028) | 1999 XH <sub>164</sub> | 1999 12 08 | 704 | LINEAR               |
| (66977) | 1999 XX <sub>82</sub>  | 1999 12 07 | 704 | LINEAR            | (67029) | 1999 XH <sub>166</sub> | 1999 12 10 | 704 | LINEAR               |
| (66978) | 1999 XE <sub>86</sub>  | 1999 12 07 | 704 | LINEAR            | (67030) | 1999 XJ <sub>166</sub> | 1999 12 10 | 704 | LINEAR               |
| (66979) | 1999 XR <sub>86</sub>  | 1999 12 07 | 704 | LINEAR            | (67031) | 1999 XX <sub>166</sub> | 1999 12 10 | 704 | LINEAR               |
| (66980) | 1999 XK <sub>88</sub>  | 1999 12 07 | 704 | LINEAR            | (67032) | 1999 XV <sub>167</sub> | 1999 12 10 | 704 | LINEAR               |
| (66981) | 1999 XE <sub>89</sub>  | 1999 12 07 | 704 | LINEAR            | (67033) | 1999 XN <sub>169</sub> | 1999 12 10 | 704 | LINEAR               |
| (66982) | 1999 XA <sub>91</sub>  | 1999 12 07 | 704 | LINEAR            | (67034) | 1999 XN <sub>170</sub> | 1999 12 10 | 704 | LINEAR               |
| (66983) | 1999 XB <sub>92</sub>  | 1999 12 07 | 704 | LINEAR            | (67035) | 1999 XO <sub>171</sub> | 1999 12 10 | 704 | LINEAR               |
| (66984) | 1999 XY <sub>92</sub>  | 1999 12 07 | 704 | LINEAR            | (67036) | 1999 XS <sub>171</sub> | 1999 12 10 | 704 | LINEAR               |
| (66985) | 1999 XT <sub>93</sub>  | 1999 12 07 | 704 | LINEAR            | (67037) | 1999 XC <sub>181</sub> | 1999 12 12 | 704 | LINEAR               |
| (66986) | 1999 XH <sub>95</sub>  | 1999 12 07 | 411 | Kobayashi, T.     | (67038) | 1999 XC <sub>182</sub> | 1999 12 12 | 704 | LINEAR               |
| (66987) | 1999 XU <sub>95</sub>  | 1999 12 09 | 411 | Kobayashi, T.     | (67039) | 1999 XT <sub>183</sub> | 1999 12 12 | 704 | LINEAR               |
| (66988) | 1999 XN <sub>97</sub>  | 1999 12 07 | 704 | LINEAR            | (67040) | 1999 XL <sub>187</sub> | 1999 12 12 | 704 | LINEAR               |
| (66989) | 1999 XZ <sub>102</sub> | 1999 12 07 | 704 | LINEAR            | (67041) | 1999 XR <sub>187</sub> | 1999 12 12 | 704 | LINEAR               |
| (66990) | 1999 XA <sub>103</sub> | 1999 12 07 | 704 | LINEAR            | (67042) | 1999 XF <sub>188</sub> | 1999 12 12 | 704 | LINEAR               |
| (66991) | 1999 XE <sub>105</sub> | 1999 12 09 | 678 | Juels, C. W.      | (67043) | 1999 XS <sub>188</sub> | 1999 12 12 | 704 | LINEAR               |
| (66992) | 1999 XY <sub>106</sub> | 1999 12 04 | 703 | CSS               | (67044) | 1999 XF <sub>189</sub> | 1999 12 12 | 704 | LINEAR               |
| (66993) | 1999 XJ <sub>107</sub> | 1999 12 04 | 703 | CSS               | (67045) | 1999 XZ <sub>191</sub> | 1999 12 12 | 704 | LINEAR               |
| (66994) | 1999 XZ <sub>107</sub> | 1999 12 04 | 703 | CSS               | (67046) | 1999 XX <sub>192</sub> | 1999 12 12 | 704 | LINEAR               |
| (66995) | 1999 XN <sub>109</sub> | 1999 12 04 | 703 | CSS               | (67047) | 1999 XU <sub>193</sub> | 1999 12 12 | 704 | LINEAR               |

|         |                        |            |     |                        |
|---------|------------------------|------------|-----|------------------------|
| (67048) | 1999 XJ <sub>203</sub> | 1999 12 12 | 704 | LINEAR                 |
| (67049) | 1999 XB <sub>204</sub> | 1999 12 12 | 704 | LINEAR                 |
| (67050) | 1999 XT <sub>204</sub> | 1999 12 12 | 704 | LINEAR                 |
| (67051) | 1999 XP <sub>206</sub> | 1999 12 12 | 704 | LINEAR                 |
| (67052) | 1999 XY <sub>207</sub> | 1999 12 13 | 704 | LINEAR                 |
| (67053) | 1999 XZ <sub>207</sub> | 1999 12 13 | 704 | LINEAR                 |
| (67054) | 1999 XR <sub>209</sub> | 1999 12 13 | 704 | LINEAR                 |
| (67055) | 1999 XC <sub>211</sub> | 1999 12 13 | 704 | LINEAR                 |
| (67056) | 1999 XL <sub>212</sub> | 1999 12 14 | 704 | LINEAR                 |
| (67057) | 1999 XS <sub>229</sub> | 1999 12 07 | 703 | CSS                    |
| (67058) | 1999 XY <sub>229</sub> | 1999 12 07 | 703 | CSS                    |
| (67059) | 1999 XZ <sub>229</sub> | 1999 12 07 | 699 | LONEOS                 |
| (67060) | 1999 XD <sub>230</sub> | 1999 12 07 | 699 | LONEOS                 |
| (67061) | 1999 XK <sub>233</sub> | 1999 12 03 | 704 | LINEAR                 |
| (67062) | 1999 XU <sub>233</sub> | 1999 12 04 | 699 | LONEOS                 |
| (67063) | 1999 XM <sub>244</sub> | 1999 12 04 | 703 | CSS                    |
| (67064) | 1999 XM <sub>260</sub> | 1999 12 07 | 703 | CSS                    |
| (67065) | 1999 XW <sub>261</sub> | 1999 12 03 | 704 | LINEAR                 |
| (67066) | 1999 YO                | 1999 12 16 | 704 | LINEAR                 |
| (67067) | 1999 YC <sub>6</sub>   | 1999 12 30 | 704 | LINEAR                 |
| (67068) | 1999 YO <sub>25</sub>  | 1999 12 27 | 691 | Spacewatch             |
| (67069) | 2000 AQ <sub>1</sub>   | 2000 01 02 | 046 | Klet                   |
| (67070) | 2000 AZ <sub>2</sub>   | 2000 01 01 | 104 | Tesi, L., Boattini, A. |
| (67071) | 2000 AA <sub>7</sub>   | 2000 01 02 | 704 | LINEAR                 |
| (67072) | 2000 AY <sub>11</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67073) | 2000 AG <sub>14</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67074) | 2000 AC <sub>15</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67075) | 2000 AD <sub>15</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67076) | 2000 AC <sub>19</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67077) | 2000 AQ <sub>21</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67078) | 2000 AW <sub>26</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67079) | 2000 AL <sub>27</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67080) | 2000 AC <sub>29</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67081) | 2000 AL <sub>31</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67082) | 2000 AY <sub>32</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67083) | 2000 AW <sub>34</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67084) | 2000 AY <sub>38</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67085) | 2000 AG <sub>42</sub>  | 2000 01 04 | 143 | Sposetti, S.           |
| (67086) | 2000 AY <sub>45</sub>  | 2000 01 03 | 704 | LINEAR                 |
| (67087) | 2000 AL <sub>51</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67088) | 2000 AN <sub>51</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67089) | 2000 AW <sub>51</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67090) | 2000 AC <sub>52</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67091) | 2000 AJ <sub>52</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67092) | 2000 AA <sub>53</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67093) | 2000 AY <sub>53</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67094) | 2000 AC <sub>62</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67095) | 2000 AU <sub>67</sub>  | 2000 01 04 | 704 | LINEAR                 |
| (67096) | 2000 AL <sub>70</sub>  | 2000 01 05 | 704 | LINEAR                 |
| (67097) | 2000 AF <sub>71</sub>  | 2000 01 05 | 704 | LINEAR                 |
| (67098) | 2000 AN <sub>74</sub>  | 2000 01 05 | 704 | LINEAR                 |
| (67099) | 2000 AK <sub>76</sub>  | 2000 01 05 | 704 | LINEAR                 |

|         |                        |            |     |        |
|---------|------------------------|------------|-----|--------|
| (67100) | 2000 AL <sub>76</sub>  | 2000 01 05 | 704 | LINEAR |
| (67101) | 2000 AW <sub>78</sub>  | 2000 01 05 | 704 | LINEAR |
| (67102) | 2000 AB <sub>80</sub>  | 2000 01 05 | 704 | LINEAR |
| (67103) | 2000 AC <sub>80</sub>  | 2000 01 05 | 704 | LINEAR |
| (67104) | 2000 AH <sub>81</sub>  | 2000 01 05 | 704 | LINEAR |
| (67105) | 2000 AV <sub>91</sub>  | 2000 01 05 | 704 | LINEAR |
| (67106) | 2000 AF <sub>92</sub>  | 2000 01 05 | 704 | LINEAR |
| (67107) | 2000 AU <sub>93</sub>  | 2000 01 07 | 704 | LINEAR |
| (67108) | 2000 AB <sub>100</sub> | 2000 01 05 | 704 | LINEAR |
| (67109) | 2000 AC <sub>100</sub> | 2000 01 05 | 704 | LINEAR |
| (67110) | 2000 AF <sub>101</sub> | 2000 01 05 | 704 | LINEAR |
| (67111) | 2000 AL <sub>101</sub> | 2000 01 05 | 704 | LINEAR |
| (67112) | 2000 AA <sub>104</sub> | 2000 01 05 | 704 | LINEAR |
| (67113) | 2000 AC <sub>114</sub> | 2000 01 05 | 704 | LINEAR |
| (67114) | 2000 AT <sub>115</sub> | 2000 01 05 | 704 | LINEAR |
| (67115) | 2000 AF <sub>116</sub> | 2000 01 05 | 704 | LINEAR |
| (67116) | 2000 AY <sub>116</sub> | 2000 01 05 | 704 | LINEAR |
| (67117) | 2000 AA <sub>117</sub> | 2000 01 05 | 704 | LINEAR |
| (67118) | 2000 AB <sub>120</sub> | 2000 01 05 | 704 | LINEAR |
| (67119) | 2000 AP <sub>122</sub> | 2000 01 05 | 704 | LINEAR |
| (67120) | 2000 AY <sub>122</sub> | 2000 01 05 | 704 | LINEAR |
| (67121) | 2000 AE <sub>123</sub> | 2000 01 05 | 704 | LINEAR |
| (67122) | 2000 AY <sub>123</sub> | 2000 01 05 | 704 | LINEAR |
| (67123) | 2000 AL <sub>124</sub> | 2000 01 05 | 704 | LINEAR |
| (67124) | 2000 AY <sub>127</sub> | 2000 01 05 | 704 | LINEAR |
| (67125) | 2000 AC <sub>131</sub> | 2000 01 06 | 704 | LINEAR |
| (67126) | 2000 AS <sub>133</sub> | 2000 01 04 | 704 | LINEAR |
| (67127) | 2000 AN <sub>136</sub> | 2000 01 04 | 704 | LINEAR |
| (67128) | 2000 AQ <sub>139</sub> | 2000 01 05 | 704 | LINEAR |
| (67129) | 2000 AA <sub>140</sub> | 2000 01 05 | 704 | LINEAR |
| (67130) | 2000 AA <sub>141</sub> | 2000 01 05 | 704 | LINEAR |
| (67131) | 2000 AC <sub>143</sub> | 2000 01 05 | 704 | LINEAR |
| (67132) | 2000 AD <sub>145</sub> | 2000 01 06 | 704 | LINEAR |
| (67133) | 2000 AL <sub>145</sub> | 2000 01 06 | 704 | LINEAR |
| (67134) | 2000 AB <sub>149</sub> | 2000 01 07 | 704 | LINEAR |
| (67135) | 2000 AD <sub>152</sub> | 2000 01 08 | 704 | LINEAR |
| (67136) | 2000 AG <sub>154</sub> | 2000 01 02 | 704 | LINEAR |
| (67137) | 2000 AX <sub>155</sub> | 2000 01 03 | 704 | LINEAR |
| (67138) | 2000 AF <sub>165</sub> | 2000 01 08 | 704 | LINEAR |
| (67139) | 2000 AK <sub>165</sub> | 2000 01 08 | 704 | LINEAR |
| (67140) | 2000 AD <sub>166</sub> | 2000 01 08 | 704 | LINEAR |
| (67141) | 2000 AC <sub>169</sub> | 2000 01 07 | 704 | LINEAR |
| (67142) | 2000 AV <sub>169</sub> | 2000 01 07 | 704 | LINEAR |
| (67143) | 2000 AY <sub>170</sub> | 2000 01 07 | 704 | LINEAR |
| (67144) | 2000 AO <sub>171</sub> | 2000 01 07 | 704 | LINEAR |
| (67145) | 2000 AW <sub>173</sub> | 2000 01 07 | 704 | LINEAR |
| (67146) | 2000 AN <sub>175</sub> | 2000 01 07 | 704 | LINEAR |
| (67147) | 2000 AF <sub>176</sub> | 2000 01 07 | 704 | LINEAR |
| (67148) | 2000 AG <sub>186</sub> | 2000 01 08 | 704 | LINEAR |
| (67149) | 2000 AA <sub>187</sub> | 2000 01 08 | 704 | LINEAR |
| (67150) | 2000 AK <sub>187</sub> | 2000 01 08 | 704 | LINEAR |
| (67151) | 2000 AA <sub>188</sub> | 2000 01 08 | 704 | LINEAR |

|         |                        |            |     |                        |
|---------|------------------------|------------|-----|------------------------|
| (67152) | 2000 AM <sub>189</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67153) | 2000 AP <sub>189</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67154) | 2000 AJ <sub>194</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67155) | 2000 AK <sub>194</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67156) | 2000 AY <sub>197</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67157) | 2000 AR <sub>198</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67158) | 2000 AX <sub>199</sub> | 2000 01 09 | 704 | LINEAR                 |
| (67159) | 2000 AC <sub>200</sub> | 2000 01 09 | 704 | LINEAR                 |
| (67160) | 2000 AT <sub>200</sub> | 2000 01 09 | 704 | LINEAR                 |
| (67161) | 2000 AA <sub>205</sub> | 2000 01 08 | 905 | Shimizu, Y., Urata, T. |
| (67162) | 2000 AR <sub>217</sub> | 2000 01 08 | 691 | Spacewatch             |
| (67163) | 2000 AU <sub>228</sub> | 2000 01 07 | 699 | LONEOS                 |
| (67164) | 2000 AJ <sub>229</sub> | 2000 01 03 | 704 | LINEAR                 |
| (67165) | 2000 AW <sub>230</sub> | 2000 01 04 | 691 | Spacewatch             |
| (67166) | 2000 AZ <sub>232</sub> | 2000 01 04 | 704 | LINEAR                 |
| (67167) | 2000 AM <sub>235</sub> | 2000 01 05 | 704 | LINEAR                 |
| (67168) | 2000 AX <sub>237</sub> | 2000 01 06 | 704 | LINEAR                 |
| (67169) | 2000 AV <sub>241</sub> | 2000 01 07 | 699 | LONEOS                 |
| (67170) | 2000 AC <sub>244</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67171) | 2000 AQ <sub>244</sub> | 2000 01 08 | 704 | LINEAR                 |
| (67172) | 2000 BH <sub>16</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67173) | 2000 BR <sub>17</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67174) | 2000 BS <sub>18</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67175) | 2000 BA <sub>19</sub>  | 2000 01 31 | 704 | LINEAR                 |
| (67176) | 2000 BP <sub>20</sub>  | 2000 01 26 | 691 | Spacewatch             |
| (67177) | 2000 BM <sub>22</sub>  | 2000 01 30 | 691 | Spacewatch             |
| (67178) | 2000 BE <sub>25</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67179) | 2000 BQ <sub>25</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67180) | 2000 BJ <sub>27</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67181) | 2000 BZ <sub>27</sub>  | 2000 01 30 | 704 | LINEAR                 |
| (67182) | 2000 BQ <sub>28</sub>  | 2000 01 29 | 704 | LINEAR                 |
| (67183) | 2000 BT <sub>33</sub>  | 2000 01 30 | 703 | CSS                    |
| (67184) | 2000 CS <sub>4</sub>   | 2000 02 02 | 704 | LINEAR                 |
| (67185) | 2000 CR <sub>6</sub>   | 2000 02 02 | 704 | LINEAR                 |
| (67186) | 2000 CF <sub>25</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67187) | 2000 CL <sub>27</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67188) | 2000 CV <sub>28</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67189) | 2000 CT <sub>30</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67190) | 2000 CB <sub>32</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67191) | 2000 CB <sub>38</sub>  | 2000 02 03 | 704 | LINEAR                 |
| (67192) | 2000 CH <sub>49</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67193) | 2000 CY <sub>57</sub>  | 2000 02 05 | 704 | LINEAR                 |
| (67194) | 2000 CA <sub>61</sub>  | 2000 02 02 | 704 | LINEAR                 |
| (67195) | 2000 CT <sub>66</sub>  | 2000 02 06 | 704 | LINEAR                 |
| (67196) | 2000 CE <sub>75</sub>  | 2000 02 03 | 704 | LINEAR                 |
| (67197) | 2000 CU <sub>79</sub>  | 2000 02 08 | 691 | Spacewatch             |
| (67198) | 2000 CR <sub>91</sub>  | 2000 02 06 | 704 | LINEAR                 |
| (67199) | 2000 CP <sub>96</sub>  | 2000 02 06 | 704 | LINEAR                 |
| (67200) | 2000 CG <sub>97</sub>  | 2000 02 12 | 732 | Roe, J. M.             |
| (67201) | 2000 CR <sub>103</sub> | 2000 02 08 | 704 | LINEAR                 |
| (67202) | 2000 CJ <sub>108</sub> | 2000 02 05 | 703 | CSS                    |
| (67203) | 2000 CQ <sub>124</sub> | 2000 02 03 | 704 | LINEAR                 |

|         |                        |            |     |              |
|---------|------------------------|------------|-----|--------------|
| (67204) | 2000 DJ <sub>4</sub>   | 2000 02 28 | 704 | LINEAR       |
| (67205) | 2000 DB <sub>7</sub>   | 2000 02 29 | 732 | Roe, J. M.   |
| (67206) | 2000 DU <sub>15</sub>  | 2000 02 27 | 703 | CSS          |
| (67207) | 2000 DJ <sub>19</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67208) | 2000 DQ <sub>20</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67209) | 2000 DN <sub>26</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67210) | 2000 DF <sub>29</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67211) | 2000 DT <sub>33</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67212) | 2000 DY <sub>35</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67213) | 2000 DN <sub>36</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67214) | 2000 DC <sub>47</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67215) | 2000 DL <sub>53</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67216) | 2000 DU <sub>56</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67217) | 2000 DL <sub>57</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67218) | 2000 DF <sub>62</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67219) | 2000 DE <sub>64</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67220) | 2000 DH <sub>67</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67221) | 2000 DP <sub>73</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67222) | 2000 DA <sub>75</sub>  | 2000 02 29 | 704 | LINEAR       |
| (67223) | 2000 DC <sub>81</sub>  | 2000 02 28 | 704 | LINEAR       |
| (67224) | 2000 DB <sub>95</sub>  | 2000 02 28 | 704 | LINEAR       |
| (67225) | 2000 DM <sub>101</sub> | 2000 02 29 | 704 | LINEAR       |
| (67226) | 2000 DB <sub>102</sub> | 2000 02 29 | 704 | LINEAR       |
| (67227) | 2000 DV <sub>102</sub> | 2000 02 29 | 704 | LINEAR       |
| (67228) | 2000 DY <sub>107</sub> | 2000 02 28 | 704 | LINEAR       |
| (67229) | 2000 DX <sub>108</sub> | 2000 02 29 | 704 | LINEAR       |
| (67230) | 2000 EB                | 2000 03 12 | 704 | LINEAR       |
| (67231) | 2000 EH                | 2000 03 01 | 691 | Spacewatch   |
| (67232) | 2000 EB <sub>3</sub>   | 2000 03 03 | 704 | LINEAR       |
| (67233) | 2000 EP <sub>11</sub>  | 2000 03 04 | 704 | LINEAR       |
| (67234) | 2000 ED <sub>12</sub>  | 2000 03 04 | 704 | LINEAR       |
| (67235) | 2000 EJ <sub>15</sub>  | 2000 03 05 | 143 | Sposetti, S. |
| (67236) | 2000 EH <sub>19</sub>  | 2000 03 05 | 704 | LINEAR       |
| (67237) | 2000 EA <sub>24</sub>  | 2000 03 08 | 691 | Spacewatch   |
| (67238) | 2000 ER <sub>26</sub>  | 2000 03 08 | 704 | LINEAR       |
| (67239) | 2000 ER <sub>30</sub>  | 2000 03 05 | 704 | LINEAR       |
| (67240) | 2000 EF <sub>39</sub>  | 2000 03 08 | 704 | LINEAR       |
| (67241) | 2000 EZ <sub>44</sub>  | 2000 03 09 | 704 | LINEAR       |
| (67242) | 2000 EG <sub>47</sub>  | 2000 03 09 | 704 | LINEAR       |
| (67243) | 2000 ED <sub>57</sub>  | 2000 03 08 | 704 | LINEAR       |
| (67244) | 2000 EH <sub>58</sub>  | 2000 03 08 | 704 | LINEAR       |
| (67245) | 2000 EP <sub>60</sub>  | 2000 03 10 | 704 | LINEAR       |
| (67246) | 2000 ED <sub>70</sub>  | 2000 03 10 | 704 | LINEAR       |
| (67247) | 2000 EA <sub>82</sub>  | 2000 03 05 | 704 | LINEAR       |
| (67248) | 2000 EY <sub>87</sub>  | 2000 03 09 | 704 | LINEAR       |
| (67249) | 2000 EJ <sub>96</sub>  | 2000 03 11 | 704 | LINEAR       |
| (67250) | 2000 EH <sub>97</sub>  | 2000 03 10 | 704 | LINEAR       |
| (67251) | 2000 EB <sub>103</sub> | 2000 03 09 | 704 | LINEAR       |
| (67252) | 2000 ET <sub>104</sub> | 2000 03 14 | 704 | LINEAR       |
| (67253) | 2000 EA <sub>106</sub> | 2000 03 11 | 699 | LONEOS       |
| (67254) | 2000 EV <sub>108</sub> | 2000 03 08 | 691 | Spacewatch   |
| (67255) | 2000 ET <sub>109</sub> | 2000 03 08 | 608 | NEAT         |



|         |                        |            |     |               |         |                        |            |     |                         |
|---------|------------------------|------------|-----|---------------|---------|------------------------|------------|-----|-------------------------|
| (67256) | 2000 EA <sub>113</sub> | 2000 03 09 | 704 | LINEAR        | (67308) | 2000 HD                | 2000 04 21 | 461 | Sárneczky, K., Kiss, L. |
| (67257) | 2000 EY <sub>117</sub> | 2000 03 11 | 699 | LONEOS        | (67309) | 2000 HO <sub>2</sub>   | 2000 04 25 | 691 | Spacewatch              |
| (67258) | 2000 EX <sub>119</sub> | 2000 03 11 | 699 | LONEOS        | (67310) | 2000 HO <sub>9</sub>   | 2000 04 27 | 704 | LINEAR                  |
| (67259) | 2000 EA <sub>121</sub> | 2000 03 11 | 699 | LONEOS        | (67311) | 2000 HF <sub>12</sub>  | 2000 04 28 | 704 | LINEAR                  |
| (67260) | 2000 EJ <sub>127</sub> | 2000 03 11 | 699 | LONEOS        | (67312) | 2000 HN <sub>15</sub>  | 2000 04 28 | 704 | LINEAR                  |
| (67261) | 2000 EO <sub>127</sub> | 2000 03 11 | 699 | LONEOS        | (67313) | 2000 HG <sub>16</sub>  | 2000 04 29 | 704 | LINEAR                  |
| (67262) | 2000 EU <sub>136</sub> | 2000 03 12 | 704 | LINEAR        | (67314) | 2000 HX <sub>23</sub>  | 2000 04 27 | 699 | LONEOS                  |
| (67263) | 2000 ER <sub>150</sub> | 2000 03 05 | 608 | NEAT          | (67315) | 2000 HR <sub>32</sub>  | 2000 04 29 | 704 | LINEAR                  |
| (67264) | 2000 EM <sub>153</sub> | 2000 03 06 | 608 | NEAT          | (67316) | 2000 HU <sub>37</sub>  | 2000 04 30 | 704 | LINEAR                  |
| (67265) | 2000 EX <sub>158</sub> | 2000 03 12 | 699 | LONEOS        | (67317) | 2000 HE <sub>43</sub>  | 2000 04 29 | 704 | LINEAR                  |
| (67266) | 2000 EC <sub>163</sub> | 2000 03 03 | 704 | LINEAR        | (67318) | 2000 HT <sub>50</sub>  | 2000 04 29 | 704 | LINEAR                  |
| (67267) | 2000 EE <sub>183</sub> | 2000 03 05 | 704 | LINEAR        | (67319) | 2000 HC <sub>57</sub>  | 2000 04 24 | 699 | LONEOS                  |
| (67268) | 2000 EC <sub>184</sub> | 2000 03 05 | 704 | LINEAR        | (67320) | 2000 HR <sub>60</sub>  | 2000 04 25 | 699 | LONEOS                  |
| (67269) | 2000 FF <sub>5</sub>   | 2000 03 29 | 411 | Kobayashi, T. | (67321) | 2000 HN <sub>61</sub>  | 2000 04 25 | 699 | LONEOS                  |
| (67270) | 2000 FJ <sub>12</sub>  | 2000 03 28 | 704 | LINEAR        | (67322) | 2000 HN <sub>62</sub>  | 2000 04 25 | 691 | Spacewatch              |
| (67271) | 2000 FW <sub>19</sub>  | 2000 03 29 | 704 | LINEAR        | (67323) | 2000 HX <sub>65</sub>  | 2000 04 26 | 699 | LONEOS                  |
| (67272) | 2000 FQ <sub>27</sub>  | 2000 03 27 | 699 | LONEOS        | (67324) | 2000 HC <sub>69</sub>  | 2000 04 24 | 699 | LONEOS                  |
| (67273) | 2000 FZ <sub>32</sub>  | 2000 03 29 | 704 | LINEAR        | (67325) | 2000 HU <sub>69</sub>  | 2000 04 26 | 699 | LONEOS                  |
| (67274) | 2000 FA <sub>41</sub>  | 2000 03 29 | 704 | LINEAR        | (67326) | 2000 HX <sub>73</sub>  | 2000 04 27 | 699 | LONEOS                  |
| (67275) | 2000 FU <sub>41</sub>  | 2000 03 29 | 704 | LINEAR        | (67327) | 2000 HD <sub>76</sub>  | 2000 04 27 | 704 | LINEAR                  |
| (67276) | 2000 FJ <sub>42</sub>  | 2000 03 29 | 704 | LINEAR        | (67328) | 2000 HK <sub>77</sub>  | 2000 04 28 | 699 | LONEOS                  |
| (67277) | 2000 FT <sub>43</sub>  | 2000 03 29 | 704 | LINEAR        | (67329) | 2000 HV <sub>77</sub>  | 2000 04 28 | 699 | LONEOS                  |
| (67278) | 2000 FF <sub>44</sub>  | 2000 03 29 | 704 | LINEAR        | (67330) | 2000 HE <sub>79</sub>  | 2000 04 28 | 699 | LONEOS                  |
| (67279) | 2000 FD <sub>45</sub>  | 2000 03 29 | 704 | LINEAR        | (67331) | 2000 HN <sub>79</sub>  | 2000 04 28 | 704 | LINEAR                  |
| (67280) | 2000 FL <sub>48</sub>  | 2000 03 29 | 704 | LINEAR        | (67332) | 2000 HF <sub>81</sub>  | 2000 04 28 | 699 | LONEOS                  |
| (67281) | 2000 FV <sub>60</sub>  | 2000 03 29 | 704 | LINEAR        | (67333) | 2000 HG <sub>103</sub> | 2000 04 27 | 699 | LONEOS                  |
| (67282) | 2000 FR <sub>65</sub>  | 2000 03 27 | 699 | LONEOS        | (67334) | 2000 JZ <sub>2</sub>   | 2000 05 03 | 704 | LINEAR                  |
| (67283) | 2000 GN                | 2000 04 02 | 684 | Comba, P. G.  | (67335) | 2000 JC <sub>6</sub>   | 2000 05 02 | 704 | LINEAR                  |
| (67284) | 2000 GD <sub>1</sub>   | 2000 04 02 | 704 | LINEAR        | (67336) | 2000 JG <sub>9</sub>   | 2000 05 03 | 704 | LINEAR                  |
| (67285) | 2000 GH <sub>2</sub>   | 2000 04 05 | 684 | Comba, P. G.  | (67337) | 2000 JJ <sub>11</sub>  | 2000 05 03 | 704 | LINEAR                  |
| (67286) | 2000 GT <sub>7</sub>   | 2000 04 04 | 704 | LINEAR        | (67338) | 2000 JH <sub>12</sub>  | 2000 05 05 | 704 | LINEAR                  |
| (67287) | 2000 GP <sub>23</sub>  | 2000 04 05 | 704 | LINEAR        | (67339) | 2000 JL <sub>16</sub>  | 2000 05 05 | 704 | LINEAR                  |
| (67288) | 2000 GN <sub>42</sub>  | 2000 04 05 | 704 | LINEAR        | (67340) | 2000 JJ <sub>21</sub>  | 2000 05 06 | 704 | LINEAR                  |
| (67289) | 2000 GQ <sub>47</sub>  | 2000 04 05 | 704 | LINEAR        | (67341) | 2000 JR <sub>21</sub>  | 2000 05 06 | 704 | LINEAR                  |
| (67290) | 2000 GD <sub>54</sub>  | 2000 04 05 | 704 | LINEAR        | (67342) | 2000 JA <sub>24</sub>  | 2000 05 07 | 704 | LINEAR                  |
| (67291) | 2000 GN <sub>65</sub>  | 2000 04 05 | 704 | LINEAR        | (67343) | 2000 JL <sub>24</sub>  | 2000 05 07 | 704 | LINEAR                  |
| (67292) | 2000 GR <sub>65</sub>  | 2000 04 05 | 704 | LINEAR        | (67344) | 2000 JD <sub>40</sub>  | 2000 05 07 | 704 | LINEAR                  |
| (67293) | 2000 GE <sub>66</sub>  | 2000 04 05 | 704 | LINEAR        | (67345) | 2000 JR <sub>48</sub>  | 2000 05 09 | 704 | LINEAR                  |
| (67294) | 2000 GB <sub>74</sub>  | 2000 04 05 | 704 | LINEAR        | (67346) | 2000 JB <sub>54</sub>  | 2000 05 06 | 704 | LINEAR                  |
| (67295) | 2000 GK <sub>77</sub>  | 2000 04 05 | 704 | LINEAR        | (67347) | 2000 JQ <sub>62</sub>  | 2000 05 09 | 704 | LINEAR                  |
| (67296) | 2000 GA <sub>80</sub>  | 2000 04 13 | 704 | LINEAR        | (67348) | 2000 JP <sub>65</sub>  | 2000 05 06 | 704 | LINEAR                  |
| (67297) | 2000 GM <sub>89</sub>  | 2000 04 04 | 704 | LINEAR        | (67349) | 2000 JF <sub>66</sub>  | 2000 05 06 | 704 | LINEAR                  |
| (67298) | 2000 GD <sub>91</sub>  | 2000 04 04 | 704 | LINEAR        | (67350) | 2000 JW <sub>66</sub>  | 2000 05 01 | 691 | Spacewatch              |
| (67299) | 2000 GS <sub>95</sub>  | 2000 04 06 | 704 | LINEAR        | (67351) | 2000 JQ <sub>79</sub>  | 2000 05 05 | 704 | LINEAR                  |
| (67300) | 2000 GA <sub>99</sub>  | 2000 04 07 | 704 | LINEAR        | (67352) | 2000 JN <sub>80</sub>  | 2000 05 02 | 691 | Spacewatch              |
| (67301) | 2000 GR <sub>114</sub> | 2000 04 07 | 704 | LINEAR        | (67353) | 2000 JW <sub>82</sub>  | 2000 05 07 | 704 | LINEAR                  |
| (67302) | 2000 GU <sub>132</sub> | 2000 04 08 | 704 | LINEAR        | (67354) | 2000 KM <sub>1</sub>   | 2000 05 26 | 704 | LINEAR                  |
| (67303) | 2000 GR <sub>141</sub> | 2000 04 07 | 699 | LONEOS        | (67355) | 2000 KM <sub>4</sub>   | 2000 05 28 | 428 | Broughton, J.           |
| (67304) | 2000 GZ <sub>157</sub> | 2000 04 07 | 699 | LONEOS        | (67356) | 2000 KD <sub>12</sub>  | 2000 05 28 | 704 | LINEAR                  |
| (67305) | 2000 GD <sub>159</sub> | 2000 04 07 | 704 | LINEAR        | (67357) | 2000 KS <sub>15</sub>  | 2000 05 28 | 704 | LINEAR                  |
| (67306) | 2000 GP <sub>163</sub> | 2000 04 10 | 608 | NEAT          | (67358) | 2000 KU <sub>31</sub>  | 2000 05 28 | 704 | LINEAR                  |
| (67307) | 2000 GA <sub>184</sub> | 2000 04 05 | 704 | LINEAR        | (67359) | 2000 KU <sub>37</sub>  | 2000 05 24 | 691 | Spacewatch              |

|         |                       |            |     |                          |
|---------|-----------------------|------------|-----|--------------------------|
| (67360) | 2000 KU <sub>40</sub> | 2000 05 30 | 691 | Spacewatch               |
| (67361) | 2000 KQ <sub>42</sub> | 2000 05 31 | 691 | Spacewatch               |
| (67362) | 2000 KV <sub>70</sub> | 2000 05 28 | 704 | LINEAR                   |
| (67363) | 2000 KG <sub>71</sub> | 2000 05 28 | 704 | LINEAR                   |
| (67364) | 2000 KQ <sub>71</sub> | 2000 05 28 | 704 | LINEAR                   |
| (67365) | 2000 LA <sub>23</sub> | 2000 06 06 | 691 | Spacewatch               |
| (67366) | 2000 LV <sub>23</sub> | 2000 06 08 | 704 | LINEAR                   |
| (67367) | 2000 LY <sub>27</sub> | 2000 06 07 | 704 | LINEAR                   |
| (67368) | 2000 LH <sub>33</sub> | 2000 06 04 | 608 | NEAT                     |
| (67369) | 2000 MF <sub>2</sub>  | 2000 06 29 | 428 | Broughton, J.            |
| (67370) | 2000 NX <sub>2</sub>  | 2000 07 03 | 704 | LINEAR                   |
| (67371) | 2000 NM <sub>5</sub>  | 2000 07 07 | 704 | LINEAR                   |
| (67372) | 2000 NU <sub>12</sub> | 2000 07 05 | 699 | LONEOS                   |
| (67373) | 2000 NS <sub>13</sub> | 2000 07 05 | 699 | LONEOS                   |
| (67374) | 2000 NE <sub>14</sub> | 2000 07 05 | 699 | LONEOS                   |
| (67375) | 2000 NQ <sub>19</sub> | 2000 07 05 | 699 | LONEOS                   |
| (67376) | 2000 NP <sub>28</sub> | 2000 07 03 | 691 | Spacewatch               |
| (67377) | 2000 OW <sub>1</sub>  | 2000 07 26 | 734 | Farpoint                 |
| (67378) | 2000 OC <sub>3</sub>  | 2000 07 29 | 704 | LINEAR                   |
| (67379) | 2000 OB <sub>6</sub>  | 2000 07 24 | 704 | LINEAR                   |
| (67380) | 2000 OO <sub>6</sub>  | 2000 07 29 | 704 | LINEAR                   |
| (67381) | 2000 OL <sub>8</sub>  | 2000 07 30 | 704 | LINEAR                   |
| (67382) | 2000 OO <sub>15</sub> | 2000 07 23 | 704 | LINEAR                   |
| (67383) | 2000 OQ <sub>15</sub> | 2000 07 23 | 704 | LINEAR                   |
| (67384) | 2000 OK <sub>17</sub> | 2000 07 23 | 704 | LINEAR                   |
| (67385) | 2000 OU <sub>21</sub> | 2000 07 30 | 704 | LINEAR                   |
| (67386) | 2000 OO <sub>43</sub> | 2000 07 30 | 704 | LINEAR                   |
| (67387) | 2000 OS <sub>44</sub> | 2000 07 30 | 704 | LINEAR                   |
| (67388) | 2000 OZ <sub>44</sub> | 2000 07 30 | 704 | LINEAR                   |
| (67389) | 2000 OW <sub>45</sub> | 2000 07 30 | 704 | LINEAR                   |
| (67390) | 2000 OU <sub>47</sub> | 2000 07 31 | 704 | LINEAR                   |
| (67391) | 2000 OE <sub>48</sub> | 2000 07 31 | 704 | LINEAR                   |
| (67392) | 2000 OW <sub>57</sub> | 2000 07 29 | 699 | LONEOS                   |
| (67393) | 2000 OX <sub>58</sub> | 2000 07 29 | 699 | LONEOS                   |
| (67394) | 2000 OE <sub>61</sub> | 2000 07 31 | 704 | LINEAR                   |
| (67395) | 2000 PR               | 2000 08 01 | 704 | LINEAR                   |
| (67396) | 2000 PV <sub>2</sub>  | 2000 08 02 | 704 | LINEAR                   |
| (67397) | 2000 PR <sub>4</sub>  | 2000 08 03 | 300 | BATTeRS                  |
| (67398) | 2000 PA <sub>6</sub>  | 2000 08 05 | 608 | NEAT                     |
| (67399) | 2000 PJ <sub>6</sub>  | 2000 08 03 | 704 | LINEAR                   |
| (67400) | 2000 PW <sub>9</sub>  | 2000 08 01 | 704 | LINEAR                   |
| (67401) | 2000 PS <sub>21</sub> | 2000 08 01 | 704 | LINEAR                   |
| (67402) | 2000 PK <sub>24</sub> | 2000 08 02 | 704 | LINEAR                   |
| (67403) | 2000 PB <sub>25</sub> | 2000 08 03 | 704 | LINEAR                   |
| (67404) | 2000 PG <sub>26</sub> | 2000 08 05 | 608 | NEAT                     |
| (67405) | 2000 QC <sub>3</sub>  | 2000 08 24 | 704 | LINEAR                   |
| (67406) | 2000 QK <sub>3</sub>  | 2000 08 24 | 704 | LINEAR                   |
| (67407) | 2000 QG <sub>4</sub>  | 2000 08 24 | 704 | LINEAR                   |
| (67408) | 2000 QS <sub>4</sub>  | 2000 08 24 | 704 | LINEAR                   |
| (67409) | 2000 QC <sub>5</sub>  | 2000 08 24 | 704 | LINEAR                   |
| (67410) | 2000 QS <sub>19</sub> | 2000 08 24 | 704 | LINEAR                   |
| (67411) | 2000 QJ <sub>26</sub> | 2000 08 26 | 557 | Kušnirák, P., Pravec, P. |

|         |                        |            |     |              |
|---------|------------------------|------------|-----|--------------|
| (67412) | 2000 QF <sub>36</sub>  | 2000 08 24 | 704 | LINEAR       |
| (67413) | 2000 QK <sub>50</sub>  | 2000 08 24 | 704 | LINEAR       |
| (67414) | 2000 QQ <sub>60</sub>  | 2000 08 26 | 704 | LINEAR       |
| (67415) | 2000 QY <sub>62</sub>  | 2000 08 28 | 704 | LINEAR       |
| (67416) | 2000 QW <sub>64</sub>  | 2000 08 28 | 704 | LINEAR       |
| (67417) | 2000 QF <sub>65</sub>  | 2000 08 28 | 704 | LINEAR       |
| (67418) | 2000 QS <sub>68</sub>  | 2000 08 29 | 120 | Korlević, K. |
| (67419) | 2000 QE <sub>76</sub>  | 2000 08 24 | 704 | LINEAR       |
| (67420) | 2000 QU <sub>76</sub>  | 2000 08 24 | 704 | LINEAR       |
| (67421) | 2000 QX <sub>76</sub>  | 2000 08 24 | 704 | LINEAR       |
| (67422) | 2000 QZ <sub>83</sub>  | 2000 08 24 | 704 | LINEAR       |
| (67423) | 2000 QN <sub>88</sub>  | 2000 08 25 | 704 | LINEAR       |
| (67424) | 2000 QF <sub>92</sub>  | 2000 08 25 | 704 | LINEAR       |
| (67425) | 2000 QK <sub>92</sub>  | 2000 08 25 | 704 | LINEAR       |
| (67426) | 2000 QA <sub>98</sub>  | 2000 08 28 | 704 | LINEAR       |
| (67427) | 2000 QU <sub>100</sub> | 2000 08 28 | 704 | LINEAR       |
| (67428) | 2000 QA <sub>103</sub> | 2000 08 28 | 704 | LINEAR       |
| (67429) | 2000 QJ <sub>105</sub> | 2000 08 28 | 704 | LINEAR       |
| (67430) | 2000 QL <sub>105</sub> | 2000 08 28 | 704 | LINEAR       |
| (67431) | 2000 QS <sub>108</sub> | 2000 08 29 | 704 | LINEAR       |
| (67432) | 2000 QN <sub>112</sub> | 2000 08 24 | 704 | LINEAR       |
| (67433) | 2000 QZ <sub>112</sub> | 2000 08 24 | 704 | LINEAR       |
| (67434) | 2000 QZ <sub>119</sub> | 2000 08 25 | 704 | LINEAR       |
| (67435) | 2000 QH <sub>121</sub> | 2000 08 25 | 704 | LINEAR       |
| (67436) | 2000 QP <sub>121</sub> | 2000 08 25 | 704 | LINEAR       |
| (67437) | 2000 QL <sub>122</sub> | 2000 08 25 | 704 | LINEAR       |
| (67438) | 2000 QU <sub>123</sub> | 2000 08 25 | 704 | LINEAR       |
| (67439) | 2000 QG <sub>126</sub> | 2000 08 31 | 704 | LINEAR       |
| (67440) | 2000 QD <sub>137</sub> | 2000 08 29 | 704 | LINEAR       |
| (67441) | 2000 QU <sub>139</sub> | 2000 08 31 | 704 | LINEAR       |
| (67442) | 2000 QF <sub>149</sub> | 2000 08 24 | 704 | LINEAR       |
| (67443) | 2000 QH <sub>149</sub> | 2000 08 24 | 704 | LINEAR       |
| (67444) | 2000 QM <sub>149</sub> | 2000 08 24 | 704 | LINEAR       |
| (67445) | 2000 QX <sub>149</sub> | 2000 08 25 | 704 | LINEAR       |
| (67446) | 2000 QF <sub>151</sub> | 2000 08 25 | 704 | LINEAR       |
| (67447) | 2000 QJ <sub>151</sub> | 2000 08 25 | 704 | LINEAR       |
| (67448) | 2000 QC <sub>156</sub> | 2000 08 31 | 704 | LINEAR       |
| (67449) | 2000 QQ <sub>166</sub> | 2000 08 31 | 704 | LINEAR       |
| (67450) | 2000 QN <sub>167</sub> | 2000 08 31 | 704 | LINEAR       |
| (67451) | 2000 QR <sub>168</sub> | 2000 08 31 | 704 | LINEAR       |
| (67452) | 2000 QG <sub>170</sub> | 2000 08 31 | 704 | LINEAR       |
| (67453) | 2000 QB <sub>172</sub> | 2000 08 31 | 704 | LINEAR       |
| (67454) | 2000 QU <sub>174</sub> | 2000 08 31 | 704 | LINEAR       |
| (67455) | 2000 QR <sub>176</sub> | 2000 08 31 | 704 | LINEAR       |
| (67456) | 2000 QT <sub>179</sub> | 2000 08 31 | 704 | LINEAR       |
| (67457) | 2000 QA <sub>181</sub> | 2000 08 31 | 704 | LINEAR       |
| (67458) | 2000 QB <sub>181</sub> | 2000 08 31 | 704 | LINEAR       |
| (67459) | 2000 QJ <sub>181</sub> | 2000 08 31 | 704 | LINEAR       |
| (67460) | 2000 QS <sub>181</sub> | 2000 08 31 | 704 | LINEAR       |
| (67461) | 2000 QY <sub>181</sub> | 2000 08 31 | 704 | LINEAR       |
| (67462) | 2000 QW <sub>186</sub> | 2000 08 26 | 704 | LINEAR       |
| (67463) | 2000 QM <sub>204</sub> | 2000 08 31 | 704 | LINEAR       |

|         |                        |            |     |              |
|---------|------------------------|------------|-----|--------------|
| (67464) | 2000 QX <sub>208</sub> | 2000 08 31 | 704 | LINEAR       |
| (67465) | 2000 QL <sub>209</sub> | 2000 08 31 | 704 | LINEAR       |
| (67466) | 2000 QJ <sub>217</sub> | 2000 08 31 | 704 | LINEAR       |
| (67467) | 2000 QZ <sub>228</sub> | 2000 08 31 | 704 | LINEAR       |
| (67468) | 2000 QY <sub>229</sub> | 2000 08 31 | 704 | LINEAR       |
| (67469) | 2000 RX                | 2000 09 01 | 704 | LINEAR       |
| (67470) | 2000 RQ <sub>3</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67471) | 2000 RL <sub>4</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67472) | 2000 RD <sub>6</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67473) | 2000 RH <sub>6</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67474) | 2000 RL <sub>7</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67475) | 2000 RY <sub>7</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67476) | 2000 RM <sub>9</sub>   | 2000 09 01 | 704 | LINEAR       |
| (67477) | 2000 RF <sub>10</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67478) | 2000 RR <sub>10</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67479) | 2000 RM <sub>11</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67480) | 2000 RP <sub>11</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67481) | 2000 RQ <sub>11</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67482) | 2000 RC <sub>13</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67483) | 2000 RC <sub>14</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67484) | 2000 RO <sub>14</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67485) | 2000 RU <sub>14</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67486) | 2000 RD <sub>18</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67487) | 2000 RQ <sub>19</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67488) | 2000 RM <sub>20</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67489) | 2000 RG <sub>22</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67490) | 2000 RN <sub>22</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67491) | 2000 RF <sub>23</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67492) | 2000 RT <sub>23</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67493) | 2000 RR <sub>27</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67494) | 2000 RL <sub>28</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67495) | 2000 RW <sub>29</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67496) | 2000 RK <sub>31</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67497) | 2000 RJ <sub>33</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67498) | 2000 RW <sub>39</sub>  | 2000 09 02 | 704 | LINEAR       |
| (67499) | 2000 RV <sub>41</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67500) | 2000 RM <sub>43</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67501) | 2000 RU <sub>43</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67502) | 2000 RE <sub>44</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67503) | 2000 RW <sub>44</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67504) | 2000 RE <sub>45</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67505) | 2000 RK <sub>47</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67506) | 2000 RL <sub>47</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67507) | 2000 RS <sub>49</sub>  | 2000 09 05 | 704 | LINEAR       |
| (67508) | 2000 RD <sub>50</sub>  | 2000 09 05 | 704 | LINEAR       |
| (67509) | 2000 RU <sub>50</sub>  | 2000 09 05 | 704 | LINEAR       |
| (67510) | 2000 RC <sub>53</sub>  | 2000 09 06 | 704 | LINEAR       |
| (67511) | 2000 RR <sub>55</sub>  | 2000 09 04 | 704 | LINEAR       |
| (67512) | 2000 RL <sub>56</sub>  | 2000 09 06 | 704 | LINEAR       |
| (67513) | 2000 RA <sub>60</sub>  | 2000 09 05 | 120 | Korlević, K. |
| (67514) | 2000 RS <sub>60</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67515) | 2000 RN <sub>62</sub>  | 2000 09 01 | 704 | LINEAR       |

|         |                        |            |     |              |
|---------|------------------------|------------|-----|--------------|
| (67516) | 2000 RM <sub>65</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67517) | 2000 RQ <sub>65</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67518) | 2000 RS <sub>65</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67519) | 2000 RN <sub>66</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67520) | 2000 RU <sub>66</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67521) | 2000 RN <sub>71</sub>  | 2000 09 02 | 704 | LINEAR       |
| (67522) | 2000 RB <sub>79</sub>  | 2000 09 09 | 699 | LONEOS       |
| (67523) | 2000 RV <sub>79</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67524) | 2000 RC <sub>83</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67525) | 2000 RW <sub>83</sub>  | 2000 09 01 | 704 | LINEAR       |
| (67526) | 2000 RJ <sub>84</sub>  | 2000 09 02 | 699 | LONEOS       |
| (67527) | 2000 RR <sub>84</sub>  | 2000 09 02 | 699 | LONEOS       |
| (67528) | 2000 RC <sub>87</sub>  | 2000 09 02 | 699 | LONEOS       |
| (67529) | 2000 RQ <sub>90</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67530) | 2000 RS <sub>90</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67531) | 2000 RV <sub>92</sub>  | 2000 09 03 | 704 | LINEAR       |
| (67532) | 2000 RZ <sub>94</sub>  | 2000 09 04 | 699 | LONEOS       |
| (67533) | 2000 RD <sub>95</sub>  | 2000 09 04 | 699 | LONEOS       |
| (67534) | 2000 RL <sub>95</sub>  | 2000 09 04 | 699 | LONEOS       |
| (67535) | 2000 RY <sub>100</sub> | 2000 09 05 | 699 | LONEOS       |
| (67536) | 2000 RX <sub>104</sub> | 2000 09 06 | 704 | LINEAR       |
| (67537) | 2000 SL <sub>1</sub>   | 2000 09 18 | 704 | LINEAR       |
| (67538) | 2000 SC <sub>4</sub>   | 2000 09 21 | 608 | NEAT         |
| (67539) | 2000 SK <sub>4</sub>   | 2000 09 22 | 946 | Nomen, J.    |
| (67540) | 2000 SX <sub>10</sub>  | 2000 09 24 | 684 | Comba, P. G. |
| (67541) | 2000 SO <sub>17</sub>  | 2000 09 23 | 704 | LINEAR       |
| (67542) | 2000 SR <sub>20</sub>  | 2000 09 22 | 699 | LONEOS       |
| (67543) | 2000 SB <sub>32</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67544) | 2000 SQ <sub>34</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67545) | 2000 ST <sub>35</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67546) | 2000 SU <sub>38</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67547) | 2000 SE <sub>43</sub>  | 2000 09 26 | 106 | Crni Vrh     |
| (67548) | 2000 SL <sub>47</sub>  | 2000 09 23 | 704 | LINEAR       |
| (67549) | 2000 SL <sub>51</sub>  | 2000 09 23 | 704 | LINEAR       |
| (67550) | 2000 SG <sub>56</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67551) | 2000 SF <sub>57</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67552) | 2000 SM <sub>63</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67553) | 2000 SU <sub>64</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67554) | 2000 ST <sub>67</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67555) | 2000 SG <sub>69</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67556) | 2000 SO <sub>79</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67557) | 2000 SP <sub>82</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67558) | 2000 SP <sub>83</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67559) | 2000 SV <sub>84</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67560) | 2000 SC <sub>85</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67561) | 2000 SE <sub>85</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67562) | 2000 SY <sub>86</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67563) | 2000 SM <sub>87</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67564) | 2000 SS <sub>87</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67565) | 2000 SN <sub>88</sub>  | 2000 09 24 | 704 | LINEAR       |
| (67566) | 2000 SQ <sub>94</sub>  | 2000 09 23 | 704 | LINEAR       |
| (67567) | 2000 SV <sub>98</sub>  | 2000 09 23 | 704 | LINEAR       |

|         |                        |            |     |              |
|---------|------------------------|------------|-----|--------------|
| (67568) | 2000 SL <sub>99</sub>  | 2000 09 23 | 704 | LINEAR       |
| (67569) | 2000 SN <sub>101</sub> | 2000 09 24 | 704 | LINEAR       |
| (67570) | 2000 SB <sub>102</sub> | 2000 09 24 | 704 | LINEAR       |
| (67571) | 2000 SG <sub>102</sub> | 2000 09 24 | 704 | LINEAR       |
| (67572) | 2000 SU <sub>106</sub> | 2000 09 24 | 704 | LINEAR       |
| (67573) | 2000 SB <sub>111</sub> | 2000 09 24 | 704 | LINEAR       |
| (67574) | 2000 SL <sub>111</sub> | 2000 09 24 | 704 | LINEAR       |
| (67575) | 2000 SY <sub>111</sub> | 2000 09 24 | 704 | LINEAR       |
| (67576) | 2000 SA <sub>112</sub> | 2000 09 24 | 704 | LINEAR       |
| (67577) | 2000 SB <sub>112</sub> | 2000 09 24 | 704 | LINEAR       |
| (67578) | 2000 SO <sub>112</sub> | 2000 09 24 | 704 | LINEAR       |
| (67579) | 2000 SZ <sub>112</sub> | 2000 09 24 | 704 | LINEAR       |
| (67580) | 2000 SN <sub>117</sub> | 2000 09 24 | 704 | LINEAR       |
| (67581) | 2000 SB <sub>119</sub> | 2000 09 24 | 704 | LINEAR       |
| (67582) | 2000 SN <sub>119</sub> | 2000 09 24 | 704 | LINEAR       |
| (67583) | 2000 SZ <sub>120</sub> | 2000 09 24 | 704 | LINEAR       |
| (67584) | 2000 SB <sub>123</sub> | 2000 09 24 | 704 | LINEAR       |
| (67585) | 2000 SP <sub>124</sub> | 2000 09 24 | 704 | LINEAR       |
| (67586) | 2000 SH <sub>125</sub> | 2000 09 24 | 704 | LINEAR       |
| (67587) | 2000 SK <sub>125</sub> | 2000 09 24 | 704 | LINEAR       |
| (67588) | 2000 SS <sub>127</sub> | 2000 09 24 | 704 | LINEAR       |
| (67589) | 2000 SL <sub>131</sub> | 2000 09 22 | 704 | LINEAR       |
| (67590) | 2000 SU <sub>135</sub> | 2000 09 23 | 704 | LINEAR       |
| (67591) | 2000 SM <sub>136</sub> | 2000 09 23 | 704 | LINEAR       |
| (67592) | 2000 SD <sub>138</sub> | 2000 09 23 | 704 | LINEAR       |
| (67593) | 2000 SK <sub>138</sub> | 2000 09 23 | 704 | LINEAR       |
| (67594) | 2000 SC <sub>139</sub> | 2000 09 23 | 704 | LINEAR       |
| (67595) | 2000 SQ <sub>139</sub> | 2000 09 23 | 704 | LINEAR       |
| (67596) | 2000 SV <sub>139</sub> | 2000 09 23 | 704 | LINEAR       |
| (67597) | 2000 SA <sub>141</sub> | 2000 09 23 | 704 | LINEAR       |
| (67598) | 2000 SG <sub>141</sub> | 2000 09 23 | 704 | LINEAR       |
| (67599) | 2000 SA <sub>145</sub> | 2000 09 24 | 704 | LINEAR       |
| (67600) | 2000 ST <sub>146</sub> | 2000 09 24 | 704 | LINEAR       |
| (67601) | 2000 SQ <sub>147</sub> | 2000 09 24 | 704 | LINEAR       |
| (67602) | 2000 SR <sub>147</sub> | 2000 09 24 | 704 | LINEAR       |
| (67603) | 2000 SR <sub>148</sub> | 2000 09 24 | 704 | LINEAR       |
| (67604) | 2000 SV <sub>148</sub> | 2000 09 24 | 704 | LINEAR       |
| (67605) | 2000 SE <sub>149</sub> | 2000 09 24 | 704 | LINEAR       |
| (67606) | 2000 SY <sub>150</sub> | 2000 09 24 | 704 | LINEAR       |
| (67607) | 2000 SO <sub>151</sub> | 2000 09 24 | 704 | LINEAR       |
| (67608) | 2000 SR <sub>154</sub> | 2000 09 24 | 704 | LINEAR       |
| (67609) | 2000 SK <sub>156</sub> | 2000 09 24 | 704 | LINEAR       |
| (67610) | 2000 SM <sub>160</sub> | 2000 09 27 | 704 | LINEAR       |
| (67611) | 2000 SW <sub>160</sub> | 2000 09 27 | 704 | LINEAR       |
| (67612) | 2000 SA <sub>161</sub> | 2000 09 27 | 704 | LINEAR       |
| (67613) | 2000 SL <sub>162</sub> | 2000 09 21 | 608 | NEAT         |
| (67614) | 2000 SU <sub>162</sub> | 2000 09 30 | 911 | Cecce, A. J. |
| (67615) | 2000 SU <sub>166</sub> | 2000 09 23 | 704 | LINEAR       |
| (67616) | 2000 SH <sub>168</sub> | 2000 09 23 | 704 | LINEAR       |
| (67617) | 2000 ST <sub>168</sub> | 2000 09 23 | 704 | LINEAR       |
| (67618) | 2000 SR <sub>169</sub> | 2000 09 24 | 704 | LINEAR       |
| (67619) | 2000 SJ <sub>171</sub> | 2000 09 24 | 704 | LINEAR       |

|         |                        |            |     |        |
|---------|------------------------|------------|-----|--------|
| (67620) | 2000 SW <sub>175</sub> | 2000 09 28 | 704 | LINEAR |
| (67621) | 2000 SY <sub>175</sub> | 2000 09 28 | 704 | LINEAR |
| (67622) | 2000 SJ <sub>176</sub> | 2000 09 28 | 704 | LINEAR |
| (67623) | 2000 SK <sub>176</sub> | 2000 09 28 | 704 | LINEAR |
| (67624) | 2000 SM <sub>177</sub> | 2000 09 28 | 704 | LINEAR |
| (67625) | 2000 SA <sub>179</sub> | 2000 09 28 | 704 | LINEAR |
| (67626) | 2000 SP <sub>180</sub> | 2000 09 28 | 704 | LINEAR |
| (67627) | 2000 SW <sub>187</sub> | 2000 09 21 | 608 | NEAT   |
| (67628) | 2000 ST <sub>188</sub> | 2000 09 21 | 608 | NEAT   |
| (67629) | 2000 SK <sub>193</sub> | 2000 09 24 | 704 | LINEAR |
| (67630) | 2000 SC <sub>200</sub> | 2000 09 24 | 704 | LINEAR |
| (67631) | 2000 ST <sub>202</sub> | 2000 09 24 | 704 | LINEAR |
| (67632) | 2000 SA <sub>206</sub> | 2000 09 24 | 704 | LINEAR |
| (67633) | 2000 SA <sub>209</sub> | 2000 09 25 | 704 | LINEAR |
| (67634) | 2000 SP <sub>210</sub> | 2000 09 25 | 704 | LINEAR |
| (67635) | 2000 SE <sub>211</sub> | 2000 09 25 | 704 | LINEAR |
| (67636) | 2000 SO <sub>211</sub> | 2000 09 25 | 704 | LINEAR |
| (67637) | 2000 SQ <sub>211</sub> | 2000 09 25 | 704 | LINEAR |
| (67638) | 2000 SH <sub>214</sub> | 2000 09 26 | 704 | LINEAR |
| (67639) | 2000 SE <sub>216</sub> | 2000 09 26 | 704 | LINEAR |
| (67640) | 2000 SW <sub>216</sub> | 2000 09 26 | 704 | LINEAR |
| (67641) | 2000 SA <sub>217</sub> | 2000 09 26 | 704 | LINEAR |
| (67642) | 2000 SJ <sub>217</sub> | 2000 09 26 | 704 | LINEAR |
| (67643) | 2000 SK <sub>218</sub> | 2000 09 26 | 704 | LINEAR |
| (67644) | 2000 SK <sub>220</sub> | 2000 09 26 | 704 | LINEAR |
| (67645) | 2000 SZ <sub>221</sub> | 2000 09 26 | 704 | LINEAR |
| (67646) | 2000 SD <sub>224</sub> | 2000 09 27 | 704 | LINEAR |
| (67647) | 2000 SM <sub>225</sub> | 2000 09 27 | 704 | LINEAR |
| (67648) | 2000 SD <sub>226</sub> | 2000 09 27 | 704 | LINEAR |
| (67649) | 2000 SS <sub>227</sub> | 2000 09 27 | 704 | LINEAR |
| (67650) | 2000 SM <sub>228</sub> | 2000 09 28 | 704 | LINEAR |
| (67651) | 2000 SG <sub>231</sub> | 2000 09 30 | 704 | LINEAR |
| (67652) | 2000 SX <sub>233</sub> | 2000 09 21 | 704 | LINEAR |
| (67653) | 2000 SU <sub>235</sub> | 2000 09 24 | 704 | LINEAR |
| (67654) | 2000 SK <sub>237</sub> | 2000 09 24 | 704 | LINEAR |
| (67655) | 2000 SE <sub>239</sub> | 2000 09 26 | 704 | LINEAR |
| (67656) | 2000 SX <sub>243</sub> | 2000 09 24 | 704 | LINEAR |
| (67657) | 2000 SF <sub>255</sub> | 2000 09 24 | 704 | LINEAR |
| (67658) | 2000 SQ <sub>258</sub> | 2000 09 24 | 704 | LINEAR |
| (67659) | 2000 SA <sub>261</sub> | 2000 09 24 | 704 | LINEAR |
| (67660) | 2000 SH <sub>261</sub> | 2000 09 24 | 704 | LINEAR |
| (67661) | 2000 SL <sub>261</sub> | 2000 09 24 | 704 | LINEAR |
| (67662) | 2000 SF <sub>268</sub> | 2000 09 27 | 704 | LINEAR |
| (67663) | 2000 SG <sub>268</sub> | 2000 09 27 | 704 | LINEAR |
| (67664) | 2000 SJ <sub>269</sub> | 2000 09 27 | 704 | LINEAR |
| (67665) | 2000 SX <sub>271</sub> | 2000 09 27 | 704 | LINEAR |
| (67666) | 2000 SZ <sub>272</sub> | 2000 09 28 | 704 | LINEAR |
| (67667) | 2000 SK <sub>274</sub> | 2000 09 28 | 704 | LINEAR |
| (67668) | 2000 SU <sub>274</sub> | 2000 09 28 | 704 | LINEAR |
| (67669) | 2000 SC <sub>275</sub> | 2000 09 28 | 704 | LINEAR |
| (67670) | 2000 SL <sub>275</sub> | 2000 09 28 | 704 | LINEAR |
| (67671) | 2000 SS <sub>275</sub> | 2000 09 28 | 704 | LINEAR |

|         |                        |            |     |               |         |                       |            |     |                 |
|---------|------------------------|------------|-----|---------------|---------|-----------------------|------------|-----|-----------------|
| (67672) | 2000 SA <sub>277</sub> | 2000 09 30 | 704 | LINEAR        | (67724) | 2000 UP <sub>16</sub> | 2000 10 29 | 678 | Juels, C. W.    |
| (67673) | 2000 SD <sub>278</sub> | 2000 09 30 | 704 | LINEAR        | (67725) | 2000 UU <sub>16</sub> | 2000 10 29 | 704 | LINEAR          |
| (67674) | 2000 SH <sub>278</sub> | 2000 09 30 | 704 | LINEAR        | (67726) | 2000 UP <sub>17</sub> | 2000 10 24 | 704 | LINEAR          |
| (67675) | 2000 SE <sub>280</sub> | 2000 09 28 | 704 | LINEAR        | (67727) | 2000 UH <sub>23</sub> | 2000 10 24 | 704 | LINEAR          |
| (67676) | 2000 SP <sub>285</sub> | 2000 09 23 | 704 | LINEAR        | (67728) | 2000 UN <sub>23</sub> | 2000 10 24 | 704 | LINEAR          |
| (67677) | 2000 SF <sub>286</sub> | 2000 09 24 | 704 | LINEAR        | (67729) | 2000 UQ <sub>23</sub> | 2000 10 24 | 704 | LINEAR          |
| (67678) | 2000 SQ <sub>287</sub> | 2000 09 26 | 704 | LINEAR        | (67730) | 2000 UX <sub>23</sub> | 2000 10 24 | 704 | LINEAR          |
| (67679) | 2000 SR <sub>289</sub> | 2000 09 27 | 704 | LINEAR        | (67731) | 2000 UJ <sub>25</sub> | 2000 10 24 | 704 | LINEAR          |
| (67680) | 2000 SU <sub>292</sub> | 2000 09 27 | 704 | LINEAR        | (67732) | 2000 UA <sub>26</sub> | 2000 10 24 | 704 | LINEAR          |
| (67681) | 2000 SH <sub>293</sub> | 2000 09 27 | 704 | LINEAR        | (67733) | 2000 UC <sub>26</sub> | 2000 10 24 | 704 | LINEAR          |
| (67682) | 2000 SQ <sub>295</sub> | 2000 09 27 | 704 | LINEAR        | (67734) | 2000 UE <sub>26</sub> | 2000 10 24 | 704 | LINEAR          |
| (67683) | 2000 SW <sub>298</sub> | 2000 09 28 | 704 | LINEAR        | (67735) | 2000 UH <sub>26</sub> | 2000 10 24 | 704 | LINEAR          |
| (67684) | 2000 SX <sub>298</sub> | 2000 09 28 | 704 | LINEAR        | (67736) | 2000 UD <sub>28</sub> | 2000 10 25 | 704 | LINEAR          |
| (67685) | 2000 SK <sub>299</sub> | 2000 09 28 | 704 | LINEAR        | (67737) | 2000 UN <sub>28</sub> | 2000 10 25 | 704 | LINEAR          |
| (67686) | 2000 SN <sub>300</sub> | 2000 09 28 | 704 | LINEAR        | (67738) | 2000 UB <sub>29</sub> | 2000 10 29 | 691 | Spacewatch      |
| (67687) | 2000 SO <sub>304</sub> | 2000 09 30 | 704 | LINEAR        | (67739) | 2000 UV <sub>29</sub> | 2000 10 25 | 704 | LINEAR          |
| (67688) | 2000 SX <sub>304</sub> | 2000 09 30 | 704 | LINEAR        | (67740) | 2000 UJ <sub>30</sub> | 2000 10 29 | 691 | Spacewatch      |
| (67689) | 2000 SN <sub>307</sub> | 2000 09 30 | 704 | LINEAR        | (67741) | 2000 UZ <sub>33</sub> | 2000 10 30 | 919 | Yeung, W. K. Y. |
| (67690) | 2000 SH <sub>309</sub> | 2000 09 30 | 704 | LINEAR        | (67742) | 2000 UP <sub>34</sub> | 2000 10 24 | 704 | LINEAR          |
| (67691) | 2000 SS <sub>310</sub> | 2000 09 26 | 704 | LINEAR        | (67743) | 2000 UK <sub>35</sub> | 2000 10 24 | 704 | LINEAR          |
| (67692) | 2000 SX <sub>320</sub> | 2000 09 30 | 704 | LINEAR        | (67744) | 2000 UE <sub>38</sub> | 2000 10 24 | 704 | LINEAR          |
| (67693) | 2000 SW <sub>323</sub> | 2000 09 28 | 691 | Spacewatch    | (67745) | 2000 UT <sub>39</sub> | 2000 10 24 | 704 | LINEAR          |
| (67694) | 2000 SD <sub>333</sub> | 2000 09 26 | 608 | NEAT          | (67746) | 2000 UG <sub>40</sub> | 2000 10 24 | 704 | LINEAR          |
| (67695) | 2000 SH <sub>336</sub> | 2000 09 26 | 608 | NEAT          | (67747) | 2000 UF <sub>43</sub> | 2000 10 24 | 704 | LINEAR          |
| (67696) | 2000 SJ <sub>348</sub> | 2000 09 20 | 704 | LINEAR        | (67748) | 2000 UJ <sub>45</sub> | 2000 10 24 | 704 | LINEAR          |
| (67697) | 2000 SW <sub>352</sub> | 2000 09 30 | 699 | LONEOS        | (67749) | 2000 UZ <sub>46</sub> | 2000 10 24 | 704 | LINEAR          |
| (67698) | 2000 SW <sub>354</sub> | 2000 09 29 | 699 | LONEOS        | (67750) | 2000 UN <sub>47</sub> | 2000 10 24 | 704 | LINEAR          |
| (67699) | 2000 ST <sub>369</sub> | 2000 09 24 | 699 | LONEOS        | (67751) | 2000 UF <sub>48</sub> | 2000 10 24 | 704 | LINEAR          |
| (67700) | 2000 TZ <sub>9</sub>   | 2000 10 01 | 704 | LINEAR        | (67752) | 2000 UK <sub>48</sub> | 2000 10 24 | 704 | LINEAR          |
| (67701) | 2000 TP <sub>10</sub>  | 2000 10 01 | 704 | LINEAR        | (67753) | 2000 UQ <sub>48</sub> | 2000 10 24 | 704 | LINEAR          |
| (67702) | 2000 TD <sub>14</sub>  | 2000 10 01 | 704 | LINEAR        | (67754) | 2000 UF <sub>49</sub> | 2000 10 24 | 704 | LINEAR          |
| (67703) | 2000 TU <sub>15</sub>  | 2000 10 01 | 704 | LINEAR        | (67755) | 2000 US <sub>49</sub> | 2000 10 24 | 704 | LINEAR          |
| (67704) | 2000 TS <sub>21</sub>  | 2000 10 01 | 704 | LINEAR        | (67756) | 2000 UP <sub>50</sub> | 2000 10 24 | 704 | LINEAR          |
| (67705) | 2000 TY <sub>21</sub>  | 2000 10 02 | 704 | LINEAR        | (67757) | 2000 UA <sub>52</sub> | 2000 10 24 | 704 | LINEAR          |
| (67706) | 2000 TR <sub>26</sub>  | 2000 10 02 | 704 | LINEAR        | (67758) | 2000 UF <sub>55</sub> | 2000 10 24 | 704 | LINEAR          |
| (67707) | 2000 TD <sub>28</sub>  | 2000 10 03 | 704 | LINEAR        | (67759) | 2000 UW <sub>55</sub> | 2000 10 24 | 704 | LINEAR          |
| (67708) | 2000 TO <sub>34</sub>  | 2000 10 06 | 699 | LONEOS        | (67760) | 2000 UY <sub>57</sub> | 2000 10 25 | 704 | LINEAR          |
| (67709) | 2000 TE <sub>40</sub>  | 2000 10 01 | 704 | LINEAR        | (67761) | 2000 UM <sub>60</sub> | 2000 10 25 | 704 | LINEAR          |
| (67710) | 2000 TO <sub>67</sub>  | 2000 10 02 | 704 | LINEAR        | (67762) | 2000 UA <sub>61</sub> | 2000 10 25 | 704 | LINEAR          |
| (67711) | 2000 UB                | 2000 10 18 | 300 | BATTeRS       | (67763) | 2000 UU <sub>61</sub> | 2000 10 25 | 704 | LINEAR          |
| (67712) | 2000 UG                | 2000 10 21 | 300 | BATTeRS       | (67764) | 2000 UH <sub>62</sub> | 2000 10 25 | 704 | LINEAR          |
| (67713) | 2000 UF <sub>1</sub>   | 2000 10 22 | 557 | Šarounová, L. | (67765) | 2000 UM <sub>62</sub> | 2000 10 25 | 704 | LINEAR          |
| (67714) | 2000 UC <sub>2</sub>   | 2000 10 22 | 120 | Korlević, K.  | (67766) | 2000 UH <sub>65</sub> | 2000 10 25 | 704 | LINEAR          |
| (67715) | 2000 UM <sub>3</sub>   | 2000 10 24 | 704 | LINEAR        | (67767) | 2000 UC <sub>66</sub> | 2000 10 25 | 704 | LINEAR          |
| (67716) | 2000 UQ <sub>7</sub>   | 2000 10 24 | 704 | LINEAR        | (67768) | 2000 UY <sub>66</sub> | 2000 10 25 | 704 | LINEAR          |
| (67717) | 2000 UA <sub>8</sub>   | 2000 10 24 | 704 | LINEAR        | (67769) | 2000 UG <sub>67</sub> | 2000 10 25 | 704 | LINEAR          |
| (67718) | 2000 UQ <sub>9</sub>   | 2000 10 24 | 704 | LINEAR        | (67770) | 2000 UD <sub>72</sub> | 2000 10 25 | 704 | LINEAR          |
| (67719) | 2000 UY <sub>10</sub>  | 2000 10 25 | 704 | LINEAR        | (67771) | 2000 UJ <sub>74</sub> | 2000 10 29 | 704 | LINEAR          |
| (67720) | 2000 UQ <sub>11</sub>  | 2000 10 26 | 300 | BATTeRS       | (67772) | 2000 UZ <sub>77</sub> | 2000 10 24 | 704 | LINEAR          |
| (67721) | 2000 US <sub>14</sub>  | 2000 10 25 | 704 | LINEAR        | (67773) | 2000 UM <sub>79</sub> | 2000 10 24 | 704 | LINEAR          |
| (67722) | 2000 UE <sub>15</sub>  | 2000 10 25 | 704 | LINEAR        | (67774) | 2000 UO <sub>79</sub> | 2000 10 24 | 704 | LINEAR          |
| (67723) | 2000 UQ <sub>15</sub>  | 2000 10 27 | 691 | Spacewatch    | (67775) | 2000 US <sub>80</sub> | 2000 10 24 | 704 | LINEAR          |

|         |                        |            |     |                 |         |                       |            |     |              |
|---------|------------------------|------------|-----|-----------------|---------|-----------------------|------------|-----|--------------|
| (67776) | 2000 UX <sub>80</sub>  | 2000 10 24 | 704 | LINEAR          | (67828) | 2000 VX <sub>46</sub> | 2000 11 03 | 704 | LINEAR       |
| (67777) | 2000 UH <sub>81</sub>  | 2000 10 24 | 704 | LINEAR          | (67829) | 2000 VP <sub>49</sub> | 2000 11 02 | 704 | LINEAR       |
| (67778) | 2000 UT <sub>81</sub>  | 2000 10 24 | 704 | LINEAR          | (67830) | 2000 VF <sub>50</sub> | 2000 11 02 | 704 | LINEAR       |
| (67779) | 2000 UU <sub>81</sub>  | 2000 10 24 | 704 | LINEAR          | (67831) | 2000 VV <sub>50</sub> | 2000 11 02 | 704 | LINEAR       |
| (67780) | 2000 US <sub>84</sub>  | 2000 10 31 | 704 | LINEAR          | (67832) | 2000 VZ <sub>50</sub> | 2000 11 03 | 704 | LINEAR       |
| (67781) | 2000 UC <sub>85</sub>  | 2000 10 31 | 704 | LINEAR          | (67833) | 2000 VC <sub>53</sub> | 2000 11 03 | 704 | LINEAR       |
| (67782) | 2000 UW <sub>85</sub>  | 2000 10 31 | 704 | LINEAR          | (67834) | 2000 VV <sub>53</sub> | 2000 11 03 | 704 | LINEAR       |
| (67783) | 2000 UJ <sub>89</sub>  | 2000 10 31 | 704 | LINEAR          | (67835) | 2000 VY <sub>53</sub> | 2000 11 03 | 704 | LINEAR       |
| (67784) | 2000 UV <sub>89</sub>  | 2000 10 31 | 704 | LINEAR          | (67836) | 2000 VP <sub>55</sub> | 2000 11 03 | 704 | LINEAR       |
| (67785) | 2000 UM <sub>91</sub>  | 2000 10 25 | 704 | LINEAR          | (67837) | 2000 VQ <sub>55</sub> | 2000 11 03 | 704 | LINEAR       |
| (67786) | 2000 UX <sub>94</sub>  | 2000 10 25 | 704 | LINEAR          | (67838) | 2000 VP <sub>56</sub> | 2000 11 03 | 704 | LINEAR       |
| (67787) | 2000 UD <sub>95</sub>  | 2000 10 25 | 704 | LINEAR          | (67839) | 2000 VS <sub>57</sub> | 2000 11 03 | 704 | LINEAR       |
| (67788) | 2000 UR <sub>95</sub>  | 2000 10 25 | 704 | LINEAR          | (67840) | 2000 VZ <sub>60</sub> | 2000 11 02 | 704 | LINEAR       |
| (67789) | 2000 UD <sub>97</sub>  | 2000 10 25 | 704 | LINEAR          | (67841) | 2000 VR <sub>61</sub> | 2000 11 09 | 704 | LINEAR       |
| (67790) | 2000 UG <sub>100</sub> | 2000 10 25 | 704 | LINEAR          | (67842) | 2000 VY <sub>61</sub> | 2000 11 09 | 704 | LINEAR       |
| (67791) | 2000 UP <sub>100</sub> | 2000 10 25 | 704 | LINEAR          | (67843) | 2000 WL               | 2000 11 16 | 704 | LINEAR       |
| (67792) | 2000 UD <sub>102</sub> | 2000 10 25 | 704 | LINEAR          | (67844) | 2000 WQ <sub>4</sub>  | 2000 11 19 | 704 | LINEAR       |
| (67793) | 2000 UE <sub>102</sub> | 2000 10 25 | 704 | LINEAR          | (67845) | 2000 WM <sub>5</sub>  | 2000 11 19 | 704 | LINEAR       |
| (67794) | 2000 UZ <sub>103</sub> | 2000 10 25 | 704 | LINEAR          | (67846) | 2000 WU <sub>5</sub>  | 2000 11 19 | 704 | LINEAR       |
| (67795) | 2000 UC <sub>104</sub> | 2000 10 25 | 704 | LINEAR          | (67847) | 2000 WX <sub>6</sub>  | 2000 11 19 | 704 | LINEAR       |
| (67796) | 2000 UP <sub>104</sub> | 2000 10 25 | 704 | LINEAR          | (67848) | 2000 WB <sub>7</sub>  | 2000 11 19 | 704 | LINEAR       |
| (67797) | 2000 UT <sub>106</sub> | 2000 10 30 | 704 | LINEAR          | (67849) | 2000 WH <sub>7</sub>  | 2000 11 20 | 704 | LINEAR       |
| (67798) | 2000 UD <sub>109</sub> | 2000 10 31 | 704 | LINEAR          | (67850) | 2000 WS <sub>7</sub>  | 2000 11 20 | 704 | LINEAR       |
| (67799) | 2000 UT <sub>109</sub> | 2000 10 31 | 704 | LINEAR          | (67851) | 2000 WN <sub>8</sub>  | 2000 11 20 | 704 | LINEAR       |
| (67800) | 2000 UZ <sub>109</sub> | 2000 10 31 | 704 | LINEAR          | (67852) | 2000 WT <sub>8</sub>  | 2000 11 20 | 704 | LINEAR       |
| (67801) | 2000 UC <sub>110</sub> | 2000 10 31 | 704 | LINEAR          | (67853) | 2000 WO <sub>9</sub>  | 2000 11 22 | 360 | Nakamura, A. |
| (67802) | 2000 VB <sub>4</sub>   | 2000 11 01 | 704 | LINEAR          | (67854) | 2000 WF <sub>12</sub> | 2000 11 24 | 691 | Spacewatch   |
| (67803) | 2000 VX <sub>7</sub>   | 2000 11 01 | 704 | LINEAR          | (67855) | 2000 WO <sub>13</sub> | 2000 11 18 | 704 | LINEAR       |
| (67804) | 2000 VE <sub>11</sub>  | 2000 11 01 | 704 | LINEAR          | (67856) | 2000 WL <sub>15</sub> | 2000 11 20 | 704 | LINEAR       |
| (67805) | 2000 VF <sub>15</sub>  | 2000 11 01 | 704 | LINEAR          | (67857) | 2000 WQ <sub>18</sub> | 2000 11 21 | 704 | LINEAR       |
| (67806) | 2000 VZ <sub>15</sub>  | 2000 11 01 | 704 | LINEAR          | (67858) | 2000 WX <sub>20</sub> | 2000 11 25 | 691 | Spacewatch   |
| (67807) | 2000 VE <sub>16</sub>  | 2000 11 01 | 704 | LINEAR          | (67859) | 2000 WZ <sub>21</sub> | 2000 11 20 | 704 | LINEAR       |
| (67808) | 2000 VL <sub>16</sub>  | 2000 11 01 | 704 | LINEAR          | (67860) | 2000 WP <sub>22</sub> | 2000 11 20 | 704 | LINEAR       |
| (67809) | 2000 VS <sub>18</sub>  | 2000 11 01 | 704 | LINEAR          | (67861) | 2000 WT <sub>22</sub> | 2000 11 20 | 704 | LINEAR       |
| (67810) | 2000 VY <sub>22</sub>  | 2000 11 01 | 704 | LINEAR          | (67862) | 2000 WU <sub>22</sub> | 2000 11 20 | 704 | LINEAR       |
| (67811) | 2000 VL <sub>23</sub>  | 2000 11 01 | 704 | LINEAR          | (67863) | 2000 WZ <sub>22</sub> | 2000 11 20 | 704 | LINEAR       |
| (67812) | 2000 VF <sub>24</sub>  | 2000 11 01 | 704 | LINEAR          | (67864) | 2000 WD <sub>23</sub> | 2000 11 20 | 704 | LINEAR       |
| (67813) | 2000 VN <sub>24</sub>  | 2000 11 01 | 704 | LINEAR          | (67865) | 2000 WG <sub>23</sub> | 2000 11 20 | 704 | LINEAR       |
| (67814) | 2000 VL <sub>26</sub>  | 2000 11 01 | 704 | LINEAR          | (67866) | 2000 WK <sub>23</sub> | 2000 11 20 | 704 | LINEAR       |
| (67815) | 2000 VB <sub>27</sub>  | 2000 11 01 | 704 | LINEAR          | (67867) | 2000 WL <sub>23</sub> | 2000 11 20 | 704 | LINEAR       |
| (67816) | 2000 VZ <sub>28</sub>  | 2000 11 01 | 704 | LINEAR          | (67868) | 2000 WY <sub>30</sub> | 2000 11 20 | 704 | LINEAR       |
| (67817) | 2000 VR <sub>30</sub>  | 2000 11 01 | 704 | LINEAR          | (67869) | 2000 WP <sub>31</sub> | 2000 11 20 | 704 | LINEAR       |
| (67818) | 2000 VJ <sub>32</sub>  | 2000 11 01 | 704 | LINEAR          | (67870) | 2000 WG <sub>32</sub> | 2000 11 20 | 704 | LINEAR       |
| (67819) | 2000 VP <sub>32</sub>  | 2000 11 01 | 704 | LINEAR          | (67871) | 2000 WV <sub>33</sub> | 2000 11 20 | 704 | LINEAR       |
| (67820) | 2000 VS <sub>32</sub>  | 2000 11 01 | 704 | LINEAR          | (67872) | 2000 WH <sub>34</sub> | 2000 11 20 | 704 | LINEAR       |
| (67821) | 2000 VT <sub>32</sub>  | 2000 11 01 | 704 | LINEAR          | (67873) | 2000 WL <sub>34</sub> | 2000 11 20 | 704 | LINEAR       |
| (67822) | 2000 VN <sub>33</sub>  | 2000 11 01 | 704 | LINEAR          | (67874) | 2000 WA <sub>36</sub> | 2000 11 20 | 704 | LINEAR       |
| (67823) | 2000 VU <sub>33</sub>  | 2000 11 01 | 704 | LINEAR          | (67875) | 2000 WX <sub>36</sub> | 2000 11 20 | 704 | LINEAR       |
| (67824) | 2000 VB <sub>39</sub>  | 2000 11 01 | 919 | Yeung, W. K. Y. | (67876) | 2000 WH <sub>37</sub> | 2000 11 20 | 704 | LINEAR       |
| (67825) | 2000 VF <sub>43</sub>  | 2000 11 01 | 704 | LINEAR          | (67877) | 2000 WQ <sub>40</sub> | 2000 11 20 | 704 | LINEAR       |
| (67826) | 2000 VN <sub>44</sub>  | 2000 11 02 | 704 | LINEAR          | (67878) | 2000 WR <sub>40</sub> | 2000 11 20 | 704 | LINEAR       |
| (67827) | 2000 VK <sub>46</sub>  | 2000 11 03 | 704 | LINEAR          | (67879) | 2000 WJ <sub>43</sub> | 2000 11 21 | 704 | LINEAR       |

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 (67963) 2000 WX<sub>176</sub> 2000 11 27 704 LINEAR  
 (67964) 2000 WJ<sub>178</sub> 2000 11 28 691 Spacewatch  
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 (67966) 2000 WZ<sub>183</sub> 2000 11 30 699 LONEOS  
 (67967) 2000 WB<sub>188</sub> 2000 11 16 699 LONEOS  
 (67968) 2000 WN<sub>190</sub> 2000 11 18 699 LONEOS  
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 (67970) 2000 WW<sub>195</sub> 2000 11 22 608 NEAT  
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 (67972) 2000 XC<sub>4</sub> 2000 12 01 704 LINEAR  
 (67973) 2000 XV<sub>5</sub> 2000 12 01 704 LINEAR  
 (67974) 2000 XP<sub>6</sub> 2000 12 01 704 LINEAR  
 (67975) 2000 XW<sub>6</sub> 2000 12 01 704 LINEAR  
 (67976) 2000 XA<sub>7</sub> 2000 12 01 704 LINEAR  
 (67977) 2000 XZ<sub>7</sub> 2000 12 01 704 LINEAR  
 (67978) 2000 XE<sub>10</sub> 2000 12 01 704 LINEAR  
 (67979) 2000 XS<sub>10</sub> 2000 12 04 504 Merlin, J.-C.  
 (67980) 2000 XU<sub>10</sub> 2000 12 04 300 BATTeRS  
 (67981) 2000 XM<sub>12</sub> 2000 12 04 704 LINEAR  
 (67982) 2000 XH<sub>16</sub> 2000 12 01 704 LINEAR  
 (67983) 2000 XY<sub>16</sub> 2000 12 01 704 LINEAR

|         |                       |            |     |                 |         |                        |            |     |            |
|---------|-----------------------|------------|-----|-----------------|---------|------------------------|------------|-----|------------|
| (67984) | 2000 XC <sub>17</sub> | 2000 12 01 | 704 | LINEAR          | (68036) | 2000 YH <sub>35</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67985) | 2000 XD <sub>17</sub> | 2000 12 01 | 704 | LINEAR          | (68037) | 2000 YU <sub>35</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67986) | 2000 XJ <sub>17</sub> | 2000 12 01 | 704 | LINEAR          | (68038) | 2000 YP <sub>39</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67987) | 2000 XX <sub>18</sub> | 2000 12 04 | 704 | LINEAR          | (68039) | 2000 YQ <sub>39</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67988) | 2000 XM <sub>19</sub> | 2000 12 04 | 704 | LINEAR          | (68040) | 2000 YW <sub>41</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67989) | 2000 XV <sub>20</sub> | 2000 12 04 | 704 | LINEAR          | (68041) | 2000 YE <sub>42</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67990) | 2000 XA <sub>21</sub> | 2000 12 04 | 704 | LINEAR          | (68042) | 2000 YR <sub>42</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67991) | 2000 XE <sub>21</sub> | 2000 12 04 | 704 | LINEAR          | (68043) | 2000 YT <sub>42</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67992) | 2000 XU <sub>22</sub> | 2000 12 04 | 704 | LINEAR          | (68044) | 2000 YX <sub>42</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67993) | 2000 XD <sub>24</sub> | 2000 12 04 | 704 | LINEAR          | (68045) | 2000 YN <sub>44</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67994) | 2000 XX <sub>24</sub> | 2000 12 04 | 704 | LINEAR          | (68046) | 2000 YP <sub>45</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67995) | 2000 XU <sub>25</sub> | 2000 12 04 | 704 | LINEAR          | (68047) | 2000 YK <sub>47</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67996) | 2000 XX <sub>28</sub> | 2000 12 04 | 704 | LINEAR          | (68048) | 2000 YE <sub>48</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67997) | 2000 XA <sub>29</sub> | 2000 12 04 | 704 | LINEAR          | (68049) | 2000 YK <sub>49</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67998) | 2000 XQ <sub>31</sub> | 2000 12 04 | 704 | LINEAR          | (68050) | 2000 YR <sub>50</sub>  | 2000 12 30 | 704 | LINEAR     |
| (67999) | 2000 XC <sub>32</sub> | 2000 12 04 | 704 | LINEAR          | (68051) | 2000 YU <sub>51</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68000) | 2000 XM <sub>32</sub> | 2000 12 04 | 704 | LINEAR          | (68052) | 2000 YD <sub>52</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68001) | 2000 XS <sub>33</sub> | 2000 12 04 | 704 | LINEAR          | (68053) | 2000 YJ <sub>53</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68002) | 2000 XK <sub>34</sub> | 2000 12 04 | 704 | LINEAR          | (68054) | 2000 YQ <sub>54</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68003) | 2000 XJ <sub>35</sub> | 2000 12 04 | 704 | LINEAR          | (68055) | 2000 YF <sub>56</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68004) | 2000 XD <sub>38</sub> | 2000 12 05 | 704 | LINEAR          | (68056) | 2000 YM <sub>56</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68005) | 2000 XQ <sub>47</sub> | 2000 12 04 | 704 | LINEAR          | (68057) | 2000 YL <sub>60</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68006) | 2000 XR <sub>48</sub> | 2000 12 04 | 704 | LINEAR          | (68058) | 2000 YY <sub>60</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68007) | 2000 XD <sub>52</sub> | 2000 12 06 | 704 | LINEAR          | (68059) | 2000 YC <sub>61</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68008) | 2000 XB <sub>54</sub> | 2000 12 05 | 608 | NEAT            | (68060) | 2000 YT <sub>62</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68009) | 2000 YD <sub>4</sub>  | 2000 12 21 | 727 | Stafford, T.    | (68061) | 2000 YF <sub>63</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68010) | 2000 YL <sub>6</sub>  | 2000 12 20 | 704 | LINEAR          | (68062) | 2000 YT <sub>64</sub>  | 2000 12 28 | 691 | Spacewatch |
| (68011) | 2000 YK <sub>7</sub>  | 2000 12 20 | 704 | LINEAR          | (68063) | 2000 YJ <sub>66</sub>  | 2000 12 30 | 691 | Spacewatch |
| (68012) | 2000 YQ <sub>7</sub>  | 2000 12 20 | 704 | LINEAR          | (68064) | 2000 YU <sub>67</sub>  | 2000 12 28 | 704 | LINEAR     |
| (68013) | 2000 YT <sub>7</sub>  | 2000 12 21 | 704 | LINEAR          | (68065) | 2000 YG <sub>68</sub>  | 2000 12 28 | 704 | LINEAR     |
| (68014) | 2000 YF <sub>10</sub> | 2000 12 20 | 704 | LINEAR          | (68066) | 2000 YE <sub>71</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68015) | 2000 YR <sub>10</sub> | 2000 12 22 | 704 | LINEAR          | (68067) | 2000 YM <sub>72</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68016) | 2000 YW <sub>10</sub> | 2000 12 22 | 704 | LINEAR          | (68068) | 2000 YF <sub>73</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68017) | 2000 YX <sub>10</sub> | 2000 12 22 | 704 | LINEAR          | (68069) | 2000 YN <sub>73</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68018) | 2000 YQ <sub>12</sub> | 2000 12 25 | 732 | Roe, J. M.      | (68070) | 2000 YR <sub>73</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68019) | 2000 YS <sub>15</sub> | 2000 12 22 | 699 | LONEOS          | (68071) | 2000 YV <sub>80</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68020) | 2000 YJ <sub>17</sub> | 2000 12 28 | 678 | Juels, C. W.    | (68072) | 2000 YV <sub>84</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68021) | 2000 YU <sub>17</sub> | 2000 12 29 | 300 | BATTeRS         | (68073) | 2000 YZ <sub>84</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68022) | 2000 YP <sub>18</sub> | 2000 12 21 | 704 | LINEAR          | (68074) | 2000 YH <sub>85</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68023) | 2000 YW <sub>18</sub> | 2000 12 21 | 704 | LINEAR          | (68075) | 2000 YN <sub>86</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68024) | 2000 YY <sub>19</sub> | 2000 12 22 | 735 | Needville       | (68076) | 2000 YT <sub>87</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68025) | 2000 YV <sub>21</sub> | 2000 12 29 | 919 | Yeung, W. K. Y. | (68077) | 2000 YM <sub>90</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68026) | 2000 YU <sub>24</sub> | 2000 12 28 | 691 | Spacewatch      | (68078) | 2000 YV <sub>93</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68027) | 2000 YN <sub>26</sub> | 2000 12 28 | 704 | LINEAR          | (68079) | 2000 YM <sub>95</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68028) | 2000 YD <sub>28</sub> | 2000 12 26 | 608 | NEAT            | (68080) | 2000 YO <sub>96</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68029) | 2000 YG <sub>28</sub> | 2000 12 26 | 608 | NEAT            | (68081) | 2000 YQ <sub>97</sub>  | 2000 12 30 | 704 | LINEAR     |
| (68030) | 2000 YL <sub>28</sub> | 2000 12 29 | 608 | NEAT            | (68082) | 2000 YF <sub>101</sub> | 2000 12 28 | 704 | LINEAR     |
| (68031) | 2000 YK <sub>29</sub> | 2000 12 24 | 608 | NEAT            | (68083) | 2000 YH <sub>101</sub> | 2000 12 28 | 704 | LINEAR     |
| (68032) | 2000 YV <sub>30</sub> | 2000 12 26 | 691 | Spacewatch      | (68084) | 2000 YY <sub>102</sub> | 2000 12 28 | 704 | LINEAR     |
| (68033) | 2000 YQ <sub>32</sub> | 2000 12 30 | 704 | LINEAR          | (68085) | 2000 YH <sub>104</sub> | 2000 12 28 | 704 | LINEAR     |
| (68034) | 2000 YV <sub>33</sub> | 2000 12 28 | 704 | LINEAR          | (68086) | 2000 YX <sub>104</sub> | 2000 12 28 | 704 | LINEAR     |
| (68035) | 2000 YB <sub>34</sub> | 2000 12 28 | 704 | LINEAR          | (68087) | 2000 YP <sub>105</sub> | 2000 12 28 | 704 | LINEAR     |



|         |                        |            |     |                 |         |                       |            |     |               |
|---------|------------------------|------------|-----|-----------------|---------|-----------------------|------------|-----|---------------|
| (68088) | 2000 YC <sub>107</sub> | 2000 12 30 | 704 | LINEAR          | (68140) | 2001 AA <sub>27</sub> | 2001 01 05 | 704 | LINEAR        |
| (68089) | 2000 YS <sub>108</sub> | 2000 12 30 | 704 | LINEAR          | (68141) | 2001 AX <sub>29</sub> | 2001 01 04 | 704 | LINEAR        |
| (68090) | 2000 YN <sub>109</sub> | 2000 12 30 | 704 | LINEAR          | (68142) | 2001 AX <sub>31</sub> | 2001 01 04 | 704 | LINEAR        |
| (68091) | 2000 YR <sub>109</sub> | 2000 12 30 | 704 | LINEAR          | (68143) | 2001 AK <sub>36</sub> | 2001 01 05 | 704 | LINEAR        |
| (68092) | 2000 YV <sub>109</sub> | 2000 12 30 | 704 | LINEAR          | (68144) | 2001 AW <sub>38</sub> | 2001 01 01 | 461 | Piszkéstető   |
| (68093) | 2000 YC <sub>110</sub> | 2000 12 30 | 704 | LINEAR          | (68145) | 2001 AF <sub>44</sub> | 2001 01 07 | 704 | LINEAR        |
| (68094) | 2000 YU <sub>110</sub> | 2000 12 30 | 704 | LINEAR          | (68146) | 2001 AJ <sub>44</sub> | 2001 01 07 | 704 | LINEAR        |
| (68095) | 2000 YJ <sub>112</sub> | 2000 12 30 | 704 | LINEAR          | (68147) | 2001 AW <sub>44</sub> | 2001 01 15 | 411 | Kobayashi, T. |
| (68096) | 2000 YW <sub>113</sub> | 2000 12 30 | 704 | LINEAR          | (68148) | 2001 AG <sub>45</sub> | 2001 01 15 | 411 | Kobayashi, T. |
| (68097) | 2000 YJ <sub>115</sub> | 2000 12 30 | 704 | LINEAR          | (68149) | 2001 AM <sub>45</sub> | 2001 01 04 | 704 | LINEAR        |
| (68098) | 2000 YR <sub>116</sub> | 2000 12 30 | 704 | LINEAR          | (68150) | 2001 AC <sub>49</sub> | 2001 01 15 | 704 | LINEAR        |
| (68099) | 2000 YX <sub>118</sub> | 2000 12 27 | 699 | LONEOS          | (68151) | 2001 AO <sub>49</sub> | 2001 01 15 | 704 | LINEAR        |
| (68100) | 2000 YV <sub>120</sub> | 2000 12 20 | 704 | LINEAR          | (68152) | 2001 BO               | 2001 01 17 | 411 | Kobayashi, T. |
| (68101) | 2000 YK <sub>121</sub> | 2000 12 22 | 704 | LINEAR          | (68153) | 2001 BV               | 2001 01 17 | 411 | Kobayashi, T. |
| (68102) | 2000 YZ <sub>121</sub> | 2000 12 23 | 704 | LINEAR          | (68154) | 2001 BD <sub>1</sub>  | 2001 01 16 | 608 | NEAT          |
| (68103) | 2000 YM <sub>122</sub> | 2000 12 28 | 704 | LINEAR          | (68155) | 2001 BM <sub>9</sub>  | 2001 01 19 | 704 | LINEAR        |
| (68104) | 2000 YU <sub>125</sub> | 2000 12 29 | 699 | LONEOS          | (68156) | 2001 BE <sub>11</sub> | 2001 01 16 | 608 | NEAT          |
| (68105) | 2000 YV <sub>126</sub> | 2000 12 29 | 699 | LONEOS          | (68157) | 2001 BN <sub>13</sub> | 2001 01 21 | 704 | LINEAR        |
| (68106) | 2000 YK <sub>128</sub> | 2000 12 29 | 608 | NEAT            | (68158) | 2001 BV <sub>14</sub> | 2001 01 21 | 411 | Kobayashi, T. |
| (68107) | 2000 YG <sub>132</sub> | 2000 12 30 | 919 | Yeung, W. K. Y. | (68159) | 2001 BJ <sub>15</sub> | 2001 01 21 | 411 | Kobayashi, T. |
| (68108) | 2000 YN <sub>132</sub> | 2000 12 30 | 699 | LONEOS          | (68160) | 2001 BC <sub>18</sub> | 2001 01 19 | 704 | LINEAR        |
| (68109) | 2000 YH <sub>135</sub> | 2000 12 17 | 699 | LONEOS          | (68161) | 2001 BQ <sub>21</sub> | 2001 01 20 | 704 | LINEAR        |
| (68110) | 2000 YL <sub>135</sub> | 2000 12 17 | 699 | LONEOS          | (68162) | 2001 BY <sub>21</sub> | 2001 01 20 | 704 | LINEAR        |
| (68111) | 2000 YT <sub>139</sub> | 2000 12 27 | 691 | Spacewatch      | (68163) | 2001 BJ <sub>22</sub> | 2001 01 20 | 704 | LINEAR        |
| (68112) | 2000 YC <sub>143</sub> | 2000 12 19 | 691 | Spacewatch      | (68164) | 2001 BD <sub>26</sub> | 2001 01 20 | 704 | LINEAR        |
| (68113) | 2000 YE <sub>143</sub> | 2000 12 21 | 704 | LINEAR          | (68165) | 2001 BH <sub>28</sub> | 2001 01 20 | 704 | LINEAR        |
| (68114) | 2001 AC                | 2001 01 01 | 461 | Piszkéstető     | (68166) | 2001 BM <sub>28</sub> | 2001 01 20 | 704 | LINEAR        |
| (68115) | 2001 AA <sub>2</sub>   | 2001 01 03 | 919 | Yeung, W. K. Y. | (68167) | 2001 BV <sub>28</sub> | 2001 01 20 | 704 | LINEAR        |
| (68116) | 2001 AZ <sub>3</sub>   | 2001 01 02 | 704 | LINEAR          | (68168) | 2001 BN <sub>30</sub> | 2001 01 20 | 704 | LINEAR        |
| (68117) | 2001 AF <sub>5</sub>   | 2001 01 02 | 704 | LINEAR          | (68169) | 2001 BD <sub>32</sub> | 2001 01 20 | 704 | LINEAR        |
| (68118) | 2001 AO <sub>5</sub>   | 2001 01 02 | 704 | LINEAR          | (68170) | 2001 BS <sub>32</sub> | 2001 01 20 | 704 | LINEAR        |
| (68119) | 2001 AX <sub>5</sub>   | 2001 01 02 | 704 | LINEAR          | (68171) | 2001 BL <sub>33</sub> | 2001 01 20 | 704 | LINEAR        |
| (68120) | 2001 AT <sub>10</sub>  | 2001 01 02 | 704 | LINEAR          | (68172) | 2001 BE <sub>34</sub> | 2001 01 20 | 704 | LINEAR        |
| (68121) | 2001 AS <sub>11</sub>  | 2001 01 02 | 704 | LINEAR          | (68173) | 2001 BG <sub>37</sub> | 2001 01 21 | 704 | LINEAR        |
| (68122) | 2001 AY <sub>11</sub>  | 2001 01 02 | 704 | LINEAR          | (68174) | 2001 BY <sub>39</sub> | 2001 01 24 | 608 | NEAT          |
| (68123) | 2001 AU <sub>12</sub>  | 2001 01 02 | 704 | LINEAR          | (68175) | 2001 BL <sub>45</sub> | 2001 01 20 | 704 | LINEAR        |
| (68124) | 2001 AF <sub>15</sub>  | 2001 01 02 | 704 | LINEAR          | (68176) | 2001 BK <sub>46</sub> | 2001 01 21 | 704 | LINEAR        |
| (68125) | 2001 AO <sub>15</sub>  | 2001 01 02 | 704 | LINEAR          | (68177) | 2001 BY <sub>46</sub> | 2001 01 21 | 704 | LINEAR        |
| (68126) | 2001 AY <sub>15</sub>  | 2001 01 02 | 704 | LINEAR          | (68178) | 2001 BJ <sub>47</sub> | 2001 01 21 | 704 | LINEAR        |
| (68127) | 2001 AZ <sub>15</sub>  | 2001 01 02 | 704 | LINEAR          | (68179) | 2001 BO <sub>47</sub> | 2001 01 21 | 704 | LINEAR        |
| (68128) | 2001 AC <sub>17</sub>  | 2001 01 02 | 704 | LINEAR          | (68180) | 2001 BB <sub>48</sub> | 2001 01 21 | 704 | LINEAR        |
| (68129) | 2001 AH <sub>17</sub>  | 2001 01 02 | 704 | LINEAR          | (68181) | 2001 BK <sub>49</sub> | 2001 01 21 | 704 | LINEAR        |
| (68130) | 2001 AO <sub>17</sub>  | 2001 01 02 | 704 | LINEAR          | (68182) | 2001 BS <sub>49</sub> | 2001 01 21 | 704 | LINEAR        |
| (68131) | 2001 AR <sub>17</sub>  | 2001 01 02 | 704 | LINEAR          | (68183) | 2001 BL <sub>50</sub> | 2001 01 24 | 704 | LINEAR        |
| (68132) | 2001 AG <sub>18</sub>  | 2001 01 02 | 704 | LINEAR          | (68184) | 2001 BO <sub>50</sub> | 2001 01 25 | 734 | Hug, G.       |
| (68133) | 2001 AQ <sub>18</sub>  | 2001 01 02 | 704 | LINEAR          | (68185) | 2001 BX <sub>50</sub> | 2001 01 28 | 411 | Kobayashi, T. |
| (68134) | 2001 AT <sub>18</sub>  | 2001 01 04 | 699 | LONEOS          | (68186) | 2001 BZ <sub>51</sub> | 2001 01 17 | 691 | Spacewatch    |
| (68135) | 2001 AJ <sub>20</sub>  | 2001 01 02 | 704 | LINEAR          | (68187) | 2001 BY <sub>53</sub> | 2001 01 18 | 608 | NEAT          |
| (68136) | 2001 AZ <sub>20</sub>  | 2001 01 03 | 704 | LINEAR          | (68188) | 2001 BZ <sub>57</sub> | 2001 01 21 | 704 | LINEAR        |
| (68137) | 2001 AF <sub>24</sub>  | 2001 01 03 | 704 | LINEAR          | (68189) | 2001 BC <sub>58</sub> | 2001 01 21 | 704 | LINEAR        |
| (68138) | 2001 AU <sub>24</sub>  | 2001 01 04 | 704 | LINEAR          | (68190) | 2001 BD <sub>58</sub> | 2001 01 21 | 704 | LINEAR        |
| (68139) | 2001 AV <sub>24</sub>  | 2001 01 04 | 704 | LINEAR          | (68191) | 2001 BG <sub>60</sub> | 2001 01 26 | 704 | LINEAR        |

|         |                       |            |     |                 |         |                        |            |     |              |
|---------|-----------------------|------------|-----|-----------------|---------|------------------------|------------|-----|--------------|
| (68192) | 2001 BV <sub>61</sub> | 2001 01 31 | 919 | Yeung, W. K. Y. | (68244) | 2001 DM <sub>68</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68193) | 2001 BA <sub>62</sub> | 2001 01 26 | 704 | LINEAR          | (68245) | 2001 DQ <sub>68</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68194) | 2001 BF <sub>64</sub> | 2001 01 29 | 704 | LINEAR          | (68246) | 2001 DS <sub>70</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68195) | 2001 BT <sub>64</sub> | 2001 01 31 | 691 | Spacewatch      | (68247) | 2001 DV <sub>70</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68196) | 2001 BP <sub>65</sub> | 2001 01 26 | 704 | LINEAR          | (68248) | 2001 DY <sub>71</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68197) | 2001 BU <sub>65</sub> | 2001 01 26 | 704 | LINEAR          | (68249) | 2001 DY <sub>73</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68198) | 2001 BP <sub>71</sub> | 2001 01 29 | 704 | LINEAR          | (68250) | 2001 DZ <sub>73</sub>  | 2001 02 19 | 704 | LINEAR       |
| (68199) | 2001 BL <sub>74</sub> | 2001 01 31 | 704 | LINEAR          | (68251) | 2001 DT <sub>75</sub>  | 2001 02 20 | 704 | LINEAR       |
| (68200) | 2001 BQ <sub>76</sub> | 2001 01 26 | 691 | Spacewatch      | (68252) | 2001 DP <sub>89</sub>  | 2001 02 22 | 704 | LINEAR       |
| (68201) | 2001 BP <sub>77</sub> | 2001 01 26 | 608 | NEAT            | (68253) | 2001 DV <sub>97</sub>  | 2001 02 17 | 704 | LINEAR       |
| (68202) | 2001 BM <sub>78</sub> | 2001 01 24 | 704 | LINEAR          | (68254) | 2001 DH <sub>98</sub>  | 2001 02 17 | 704 | LINEAR       |
| (68203) | 2001 BC <sub>80</sub> | 2001 01 21 | 704 | LINEAR          | (68255) | 2001 DP <sub>99</sub>  | 2001 02 17 | 704 | LINEAR       |
| (68204) | 2001 BR <sub>80</sub> | 2001 01 19 | 704 | LINEAR          | (68256) | 2001 DE <sub>100</sub> | 2001 02 17 | 608 | NEAT         |
| (68205) | 2001 CS               | 2001 02 01 | 704 | LINEAR          | (68257) | 2001 DH <sub>100</sub> | 2001 02 17 | 608 | NEAT         |
| (68206) | 2001 CX <sub>2</sub>  | 2001 02 01 | 704 | LINEAR          | (68258) | 2001 DD <sub>103</sub> | 2001 02 16 | 704 | LINEAR       |
| (68207) | 2001 CE <sub>3</sub>  | 2001 02 01 | 704 | LINEAR          | (68259) | 2001 DC <sub>104</sub> | 2001 02 16 | 699 | LONEOS       |
| (68208) | 2001 CX <sub>3</sub>  | 2001 02 01 | 704 | LINEAR          | (68260) | 2001 DV <sub>107</sub> | 2001 02 22 | 608 | NEAT         |
| (68209) | 2001 CV <sub>6</sub>  | 2001 02 01 | 704 | LINEAR          | (68261) | 2001 EU                | 2001 03 02 | 608 | NEAT         |
| (68210) | 2001 CQ <sub>7</sub>  | 2001 02 01 | 704 | LINEAR          | (68262) | 2001 EW <sub>9</sub>   | 2001 03 04 | 704 | LINEAR       |
| (68211) | 2001 CH <sub>12</sub> | 2001 02 01 | 704 | LINEAR          | (68263) | 2001 EW <sub>12</sub>  | 2001 03 14 | 684 | Comba, P. G. |
| (68212) | 2001 CM <sub>13</sub> | 2001 02 01 | 704 | LINEAR          | (68264) | 2001 EQ <sub>13</sub>  | 2001 03 11 | 608 | NEAT         |
| (68213) | 2001 CA <sub>22</sub> | 2001 02 01 | 699 | LONEOS          | (68265) | 2001 EK <sub>14</sub>  | 2001 03 15 | 704 | LINEAR       |
| (68214) | 2001 CF <sub>23</sub> | 2001 02 01 | 699 | LONEOS          | (68266) | 2001 ES <sub>14</sub>  | 2001 03 15 | 704 | LINEAR       |
| (68215) | 2001 CK <sub>25</sub> | 2001 02 01 | 704 | LINEAR          | (68267) | 2001 EA <sub>16</sub>  | 2001 03 04 | 608 | NEAT         |
| (68216) | 2001 CV <sub>26</sub> | 2001 02 01 | 704 | LINEAR          | (68268) | 2001 EX <sub>18</sub>  | 2001 03 14 | 699 | LONEOS       |
| (68217) | 2001 CX <sub>26</sub> | 2001 02 01 | 608 | NEAT            | (68269) | 2001 EY <sub>19</sub>  | 2001 03 15 | 699 | LONEOS       |
| (68218) | 2001 CO <sub>31</sub> | 2001 02 12 | 701 | Healy, D.       | (68270) | 2001 EA <sub>21</sub>  | 2001 03 15 | 699 | LONEOS       |
| (68219) | 2001 CJ <sub>38</sub> | 2001 02 13 | 704 | LINEAR          | (68271) | 2001 EB <sub>21</sub>  | 2001 03 15 | 699 | LONEOS       |
| (68220) | 2001 CT <sub>38</sub> | 2001 02 13 | 704 | LINEAR          | (68272) | 2001 EG <sub>24</sub>  | 2001 03 15 | 608 | NEAT         |
| (68221) | 2001 CP <sub>47</sub> | 2001 02 12 | 699 | LONEOS          | (68273) | 2001 EQ <sub>26</sub>  | 2001 03 02 | 699 | LONEOS       |
| (68222) | 2001 CQ <sub>47</sub> | 2001 02 12 | 699 | LONEOS          | (68274) | 2001 FJ <sub>2</sub>   | 2001 03 18 | 704 | LINEAR       |
| (68223) | 2001 DJ               | 2001 02 16 | 919 | Yeung, W. K. Y. | (68275) | 2001 FE <sub>3</sub>   | 2001 03 18 | 704 | LINEAR       |
| (68224) | 2001 DG <sub>11</sub> | 2001 02 17 | 704 | LINEAR          | (68276) | 2001 FG <sub>3</sub>   | 2001 03 18 | 704 | LINEAR       |
| (68225) | 2001 DV <sub>12</sub> | 2001 02 17 | 704 | LINEAR          | (68277) | 2001 FQ <sub>3</sub>   | 2001 03 18 | 704 | LINEAR       |
| (68226) | 2001 DM <sub>18</sub> | 2001 02 16 | 704 | LINEAR          | (68278) | 2001 FC <sub>7</sub>   | 2001 03 18 | 691 | Spacewatch   |
| (68227) | 2001 DZ <sub>20</sub> | 2001 02 16 | 704 | LINEAR          | (68279) | 2001 FD <sub>8</sub>   | 2001 03 18 | 704 | LINEAR       |
| (68228) | 2001 DD <sub>22</sub> | 2001 02 16 | 704 | LINEAR          | (68280) | 2001 FR <sub>8</sub>   | 2001 03 18 | 704 | LINEAR       |
| (68229) | 2001 DL <sub>30</sub> | 2001 02 17 | 704 | LINEAR          | (68281) | 2001 FZ <sub>11</sub>  | 2001 03 19 | 699 | LONEOS       |
| (68230) | 2001 DT <sub>32</sub> | 2001 02 17 | 704 | LINEAR          | (68282) | 2001 FR <sub>14</sub>  | 2001 03 19 | 699 | LONEOS       |
| (68231) | 2001 DO <sub>33</sub> | 2001 02 17 | 704 | LINEAR          | (68283) | 2001 FE <sub>17</sub>  | 2001 03 19 | 699 | LONEOS       |
| (68232) | 2001 DM <sub>35</sub> | 2001 02 19 | 704 | LINEAR          | (68284) | 2001 FJ <sub>17</sub>  | 2001 03 19 | 699 | LONEOS       |
| (68233) | 2001 DY <sub>35</sub> | 2001 02 19 | 704 | LINEAR          | (68285) | 2001 FQ <sub>18</sub>  | 2001 03 19 | 699 | LONEOS       |
| (68234) | 2001 DM <sub>38</sub> | 2001 02 19 | 704 | LINEAR          | (68286) | 2001 FP <sub>22</sub>  | 2001 03 21 | 699 | LONEOS       |
| (68235) | 2001 DV <sub>38</sub> | 2001 02 19 | 704 | LINEAR          | (68287) | 2001 FL <sub>24</sub>  | 2001 03 17 | 704 | LINEAR       |
| (68236) | 2001 DZ <sub>39</sub> | 2001 02 19 | 704 | LINEAR          | (68288) | 2001 FH <sub>26</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68237) | 2001 DB <sub>40</sub> | 2001 02 19 | 704 | LINEAR          | (68289) | 2001 FM <sub>26</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68238) | 2001 DP <sub>40</sub> | 2001 02 19 | 704 | LINEAR          | (68290) | 2001 FT <sub>33</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68239) | 2001 DB <sub>47</sub> | 2001 02 19 | 704 | LINEAR          | (68291) | 2001 FM <sub>36</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68240) | 2001 DW <sub>55</sub> | 2001 02 16 | 691 | Spacewatch      | (68292) | 2001 FS <sub>37</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68241) | 2001 DT <sub>59</sub> | 2001 02 19 | 704 | LINEAR          | (68293) | 2001 FF <sub>49</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68242) | 2001 DW <sub>59</sub> | 2001 02 19 | 704 | LINEAR          | (68294) | 2001 FN <sub>49</sub>  | 2001 03 18 | 704 | LINEAR       |
| (68243) | 2001 DO <sub>60</sub> | 2001 02 19 | 704 | LINEAR          | (68295) | 2001 FY <sub>52</sub>  | 2001 03 18 | 704 | LINEAR       |

|         |                        |            |     |             |         |                        |            |     |                 |
|---------|------------------------|------------|-----|-------------|---------|------------------------|------------|-----|-----------------|
| (68296) | 2001 FN <sub>75</sub>  | 2001 03 19 | 704 | LINEAR      | (68348) | 2001 LO <sub>7</sub>   | 2001 06 15 | 704 | LINEAR          |
| (68297) | 2001 FH <sub>78</sub>  | 2001 03 19 | 704 | LINEAR      | (68349) | 2001 LD <sub>17</sub>  | 2001 06 15 | 704 | LINEAR          |
| (68298) | 2001 FC <sub>80</sub>  | 2001 03 21 | 704 | LINEAR      | (68350) | 2001 MK <sub>3</sub>   | 2001 06 20 | 704 | LINEAR          |
| (68299) | 2001 FH <sub>82</sub>  | 2001 03 23 | 704 | LINEAR      | (68351) | 2001 MS <sub>4</sub>   | 2001 06 17 | 644 | NEAT            |
| (68300) | 2001 FD <sub>95</sub>  | 2001 03 16 | 704 | LINEAR      | (68352) | 2001 MH <sub>6</sub>   | 2001 06 21 | 644 | NEAT            |
| (68301) | 2001 FZ <sub>95</sub>  | 2001 03 16 | 704 | LINEAR      | (68353) | 2001 MS <sub>10</sub>  | 2001 06 21 | 644 | NEAT            |
| (68302) | 2001 FH <sub>96</sub>  | 2001 03 16 | 704 | LINEAR      | (68354) | 2001 MN <sub>27</sub>  | 2001 06 20 | 699 | LONEOS          |
| (68303) | 2001 FB <sub>97</sub>  | 2001 03 16 | 704 | LINEAR      | (68355) | 2001 NZ                | 2001 07 12 | 644 | NEAT            |
| (68304) | 2001 FO <sub>97</sub>  | 2001 03 16 | 704 | LINEAR      | (68356) | 2001 NH <sub>12</sub>  | 2001 07 13 | 608 | NEAT            |
| (68305) | 2001 FK <sub>103</sub> | 2001 03 18 | 704 | LINEAR      | (68357) | 2001 NY <sub>18</sub>  | 2001 07 13 | 644 | NEAT            |
| (68306) | 2001 FU <sub>103</sub> | 2001 03 18 | 704 | LINEAR      | (68358) | 2001 NT <sub>19</sub>  | 2001 07 12 | 608 | NEAT            |
| (68307) | 2001 FL <sub>104</sub> | 2001 03 18 | 699 | LONEOS      | (68359) | 2001 OZ <sub>13</sub>  | 2001 07 19 | 644 | NEAT            |
| (68308) | 2001 FF <sub>106</sub> | 2001 03 18 | 699 | LONEOS      | (68360) | 2001 OK <sub>24</sub>  | 2001 07 16 | 699 | LONEOS          |
| (68309) | 2001 FM <sub>107</sub> | 2001 03 18 | 699 | LONEOS      | (68361) | 2001 OX <sub>32</sub>  | 2001 07 19 | 644 | NEAT            |
| (68310) | 2001 FH <sub>112</sub> | 2001 03 18 | 704 | LINEAR      | (68362) | 2001 OP <sub>38</sub>  | 2001 07 20 | 644 | NEAT            |
| (68311) | 2001 FN <sub>112</sub> | 2001 03 18 | 608 | NEAT        | (68363) | 2001 OR <sub>49</sub>  | 2001 07 17 | 699 | LONEOS          |
| (68312) | 2001 FV <sub>117</sub> | 2001 03 19 | 608 | NEAT        | (68364) | 2001 OA <sub>60</sub>  | 2001 07 21 | 608 | NEAT            |
| (68313) | 2001 FK <sub>118</sub> | 2001 03 20 | 608 | NEAT        | (68365) | 2001 OQ <sub>61</sub>  | 2001 07 21 | 608 | NEAT            |
| (68314) | 2001 FD <sub>120</sub> | 2001 03 28 | 691 | Spacewatch  | (68366) | 2001 OF <sub>67</sub>  | 2001 07 26 | 644 | NEAT            |
| (68315) | 2001 FT <sub>144</sub> | 2001 03 23 | 608 | NEAT        | (68367) | 2001 ON <sub>88</sub>  | 2001 07 21 | 608 | NEAT            |
| (68316) | 2001 FG <sub>145</sub> | 2001 03 23 | 608 | NEAT        | (68368) | 2001 ON <sub>102</sub> | 2001 07 28 | 608 | NEAT            |
| (68317) | 2001 FB <sub>151</sub> | 2001 03 24 | 699 | LONEOS      | (68369) | 2001 OT <sub>105</sub> | 2001 07 29 | 704 | LINEAR          |
| (68318) | 2001 FX <sub>152</sub> | 2001 03 26 | 704 | LINEAR      | (68370) | 2001 OM <sub>107</sub> | 2001 07 29 | 704 | LINEAR          |
| (68319) | 2001 FA <sub>156</sub> | 2001 03 26 | 608 | NEAT        | (68371) | 2001 OO <sub>107</sub> | 2001 07 29 | 699 | LONEOS          |
| (68320) | 2001 FY <sub>159</sub> | 2001 03 29 | 699 | LONEOS      | (68372) | 2001 PM <sub>9</sub>   | 2001 08 11 | 644 | NEAT            |
| (68321) | 2001 FF <sub>169</sub> | 2001 03 23 | 699 | LONEOS      | (68373) | 2001 PP <sub>13</sub>  | 2001 08 13 | 428 | Broughton, J.   |
| (68322) | 2001 FN <sub>175</sub> | 2001 03 31 | 704 | LINEAR      | (68374) | 2001 PM <sub>14</sub>  | 2001 08 14 | 428 | Broughton, J.   |
| (68323) | 2001 FZ <sub>180</sub> | 2001 03 21 | 691 | Spacewatch  | (68375) | 2001 PZ <sub>22</sub>  | 2001 08 10 | 608 | NEAT            |
| (68324) | 2001 FX <sub>182</sub> | 2001 03 25 | 695 | Buie, M. W. | (68376) | 2001 PC <sub>23</sub>  | 2001 08 10 | 608 | NEAT            |
| (68325) | 2001 HO <sub>16</sub>  | 2001 04 23 | 170 | Manteca, J. | (68377) | 2001 PD <sub>27</sub>  | 2001 08 11 | 608 | NEAT            |
| (68326) | 2001 HD <sub>21</sub>  | 2001 04 23 | 704 | LINEAR      | (68378) | 2001 PK <sub>37</sub>  | 2001 08 11 | 644 | NEAT            |
| (68327) | 2001 HW <sub>35</sub>  | 2001 04 29 | 704 | LINEAR      | (68379) | 2001 PN <sub>42</sub>  | 2001 08 12 | 644 | NEAT            |
| (68328) | 2001 HS <sub>44</sub>  | 2001 04 16 | 699 | LONEOS      | (68380) | 2001 PZ <sub>61</sub>  | 2001 08 13 | 608 | NEAT            |
| (68329) | 2001 HV <sub>48</sub>  | 2001 04 21 | 704 | LINEAR      | (68381) | 2001 PA <sub>63</sub>  | 2001 08 13 | 608 | NEAT            |
| (68330) | 2001 HW <sub>48</sub>  | 2001 04 21 | 704 | LINEAR      | (68382) | 2001 QK <sub>10</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68331) | 2001 HM <sub>58</sub>  | 2001 04 25 | 608 | NEAT        | (68383) | 2001 QW <sub>10</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68332) | 2001 KO                | 2001 05 17 | 704 | LINEAR      | (68384) | 2001 QS <sub>12</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68333) | 2001 KA <sub>7</sub>   | 2001 05 17 | 704 | LINEAR      | (68385) | 2001 QM <sub>24</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68334) | 2001 KG <sub>9</sub>   | 2001 05 18 | 704 | LINEAR      | (68386) | 2001 QJ <sub>31</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68335) | 2001 KQ <sub>9</sub>   | 2001 05 18 | 704 | LINEAR      | (68387) | 2001 QF <sub>32</sub>  | 2001 08 17 | 704 | LINEAR          |
| (68336) | 2001 KH <sub>18</sub>  | 2001 05 23 | 704 | LINEAR      | (68388) | 2001 QX <sub>42</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68337) | 2001 KU <sub>20</sub>  | 2001 05 17 | 704 | LINEAR      | (68389) | 2001 QE <sub>44</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68338) | 2001 KD <sub>23</sub>  | 2001 05 17 | 704 | LINEAR      | (68390) | 2001 QZ <sub>46</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68339) | 2001 KR <sub>24</sub>  | 2001 05 17 | 704 | LINEAR      | (68391) | 2001 QO <sub>55</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68340) | 2001 KP <sub>26</sub>  | 2001 05 17 | 704 | LINEAR      | (68392) | 2001 QW <sub>57</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68341) | 2001 KL <sub>45</sub>  | 2001 05 22 | 704 | LINEAR      | (68393) | 2001 QT <sub>65</sub>  | 2001 08 17 | 704 | LINEAR          |
| (68342) | 2001 KF <sub>46</sub>  | 2001 05 22 | 704 | LINEAR      | (68394) | 2001 QZ <sub>68</sub>  | 2001 08 17 | 704 | LINEAR          |
| (68343) | 2001 KB <sub>47</sub>  | 2001 05 22 | 704 | LINEAR      | (68395) | 2001 QH <sub>74</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68344) | 2001 KG <sub>51</sub>  | 2001 05 24 | 704 | LINEAR      | (68396) | 2001 QZ <sub>75</sub>  | 2001 08 16 | 704 | LINEAR          |
| (68345) | 2001 KP <sub>65</sub>  | 2001 05 22 | 699 | LONEOS      | (68397) | 2001 QP <sub>82</sub>  | 2001 08 17 | 704 | LINEAR          |
| (68346) | 2001 KZ <sub>66</sub>  | 2001 05 29 | 608 | NEAT        | (68398) | 2001 QV <sub>85</sub>  | 2001 08 22 | 333 | Yeung, W. K. Y. |
| (68347) | 2001 KB <sub>67</sub>  | 2001 05 30 | 704 | LINEAR      | (68399) | 2001 QS <sub>89</sub>  | 2001 08 16 | 644 | NEAT            |

|         |                        |            |     |                                |         |                        |            |     |                 |
|---------|------------------------|------------|-----|--------------------------------|---------|------------------------|------------|-----|-----------------|
| (68400) | 2001 QM <sub>91</sub>  | 2001 08 16 | 704 | LINEAR                         | (68452) | 2001 SA <sub>36</sub>  | 2001 09 16 | 704 | LINEAR          |
| (68401) | 2001 QX <sub>92</sub>  | 2001 08 22 | 704 | LINEAR                         | (68453) | 2001 SK <sub>36</sub>  | 2001 09 16 | 704 | LINEAR          |
| (68402) | 2001 QM <sub>98</sub>  | 2001 08 19 | 704 | LINEAR                         | (68454) | 2001 SS <sub>46</sub>  | 2001 09 16 | 704 | LINEAR          |
| (68403) | 2001 QH <sub>105</sub> | 2001 08 23 | 704 | LINEAR                         | (68455) | 2001 SH <sub>47</sub>  | 2001 09 16 | 704 | LINEAR          |
| (68404) | 2001 QX <sub>108</sub> | 2001 08 19 | 608 | NEAT                           | (68456) | 2001 SJ <sub>57</sub>  | 2001 09 16 | 704 | LINEAR          |
| (68405) | 2001 QN <sub>125</sub> | 2001 08 19 | 704 | LINEAR                         | (68457) | 2001 SC <sub>63</sub>  | 2001 09 17 | 704 | LINEAR          |
| (68406) | 2001 QU <sub>130</sub> | 2001 08 20 | 704 | LINEAR                         | (68458) | 2001 SQ <sub>69</sub>  | 2001 09 17 | 704 | LINEAR          |
| (68407) | 2001 QN <sub>131</sub> | 2001 08 20 | 704 | LINEAR                         | (68459) | 2001 SY <sub>80</sub>  | 2001 09 20 | 704 | LINEAR          |
| (68408) | 2001 QH <sub>137</sub> | 2001 08 22 | 704 | LINEAR                         | (68460) | 2001 SS <sub>104</sub> | 2001 09 20 | 704 | LINEAR          |
| (68409) | 2001 QS <sub>148</sub> | 2001 08 20 | 608 | NEAT                           | (68461) | 2001 SO <sub>107</sub> | 2001 09 20 | 704 | LINEAR          |
| (68410) | 2001 QB <sub>154</sub> | 2001 08 16 | 643 | White, M., Collins, M.         | (68462) | 2001 SW <sub>108</sub> | 2001 09 20 | 704 | LINEAR          |
| (68411) | 2001 QE <sub>188</sub> | 2001 08 21 | 608 | NEAT                           | (68463) | 2001 SQ <sub>120</sub> | 2001 09 16 | 704 | LINEAR          |
| (68412) | 2001 QL <sub>188</sub> | 2001 08 22 | 691 | Spacewatch                     | (68464) | 2001 SW <sub>128</sub> | 2001 09 16 | 704 | LINEAR          |
| (68413) | 2001 QB <sub>196</sub> | 2001 08 22 | 608 | NEAT                           | (68465) | 2001 SZ <sub>131</sub> | 2001 09 16 | 704 | LINEAR          |
| (68414) | 2001 QZ <sub>219</sub> | 2001 08 23 | 704 | LINEAR                         | (68466) | 2001 SC <sub>150</sub> | 2001 09 17 | 704 | LINEAR          |
| (68415) | 2001 QG <sub>220</sub> | 2001 08 23 | 704 | LINEAR                         | (68467) | 2001 SW <sub>160</sub> | 2001 09 17 | 704 | LINEAR          |
| (68416) | 2001 QQ <sub>220</sub> | 2001 08 24 | 699 | LONEOS                         | (68468) | 2001 SZ <sub>224</sub> | 2001 09 19 | 704 | LINEAR          |
| (68417) | 2001 QD <sub>238</sub> | 2001 08 24 | 704 | LINEAR                         | (68469) | 2001 SC <sub>253</sub> | 2001 09 19 | 704 | LINEAR          |
| (68418) | 2001 QN <sub>244</sub> | 2001 08 24 | 704 | LINEAR                         | (68470) | 2001 SP <sub>266</sub> | 2001 09 25 | 333 | Yeung, W. K. Y. |
| (68419) | 2001 QE <sub>256</sub> | 2001 08 25 | 704 | LINEAR                         | (68471) | 2001 ST <sub>276</sub> | 2001 09 21 | 644 | NEAT            |
| (68420) | 2001 QO <sub>258</sub> | 2001 08 25 | 704 | LINEAR                         | (68472) | 2001 SL <sub>282</sub> | 2001 09 28 | 734 | Hug, G.         |
| (68421) | 2001 QY <sub>270</sub> | 2001 08 19 | 704 | LINEAR                         | (68473) | 2001 SC <sub>289</sub> | 2001 09 23 | 683 | Tucker, R. A.   |
| (68422) | 2001 QJ <sub>296</sub> | 2001 08 24 | 704 | LINEAR                         | (68474) | 2001 SL <sub>328</sub> | 2001 09 19 | 691 | Spacewatch      |
| (68423) | 2001 QD <sub>315</sub> | 2001 08 20 | 807 | Buie, M. W.                    | (68475) | 2001 SD <sub>349</sub> | 2001 09 21 | 704 | LINEAR          |
| (68424) | 2001 QO <sub>327</sub> | 2001 08 16 | 704 | LINEAR                         | (68476) | 2001 TJ <sub>9</sub>   | 2001 10 11 | 704 | LINEAR          |
| (68425) | 2001 QS <sub>329</sub> | 2001 08 24 | 699 | LONEOS                         | (68477) | 2001 TD <sub>10</sub>  | 2001 10 13 | 704 | LINEAR          |
| (68426) | 2001 RE                | 2001 09 02 | 644 | NEAT                           | (68478) | 2001 TR <sub>26</sub>  | 2001 10 14 | 704 | LINEAR          |
| (68427) | 2001 RK <sub>6</sub>   | 2001 09 10 | 333 | Yeung, W. K. Y.                | (68479) | 2001 TX <sub>40</sub>  | 2001 10 14 | 704 | LINEAR          |
| (68428) | 2001 RA <sub>21</sub>  | 2001 09 07 | 704 | LINEAR                         | (68480) | 2001 TQ <sub>49</sub>  | 2001 10 15 | 333 | Yeung, W. K. Y. |
| (68429) | 2001 RW <sub>24</sub>  | 2001 09 07 | 704 | LINEAR                         | (68481) | 2001 TQ <sub>95</sub>  | 2001 10 14 | 704 | LINEAR          |
| (68430) | 2001 RB <sub>37</sub>  | 2001 09 08 | 704 | LINEAR                         | (68482) | 2001 TA <sub>110</sub> | 2001 10 14 | 704 | LINEAR          |
| (68431) | 2001 RH <sub>48</sub>  | 2001 09 11 | 333 | Yeung, W. K. Y.                | (68483) | 2001 TG <sub>129</sub> | 2001 10 14 | 691 | Spacewatch      |
| (68432) | 2001 RX <sub>57</sub>  | 2001 09 12 | 704 | LINEAR                         | (68484) | 2001 TB <sub>141</sub> | 2001 10 10 | 644 | NEAT            |
| (68433) | 2001 RN <sub>69</sub>  | 2001 09 10 | 704 | LINEAR                         | (68485) | 2001 TD <sub>144</sub> | 2001 10 10 | 644 | NEAT            |
| (68434) | 2001 RZ <sub>76</sub>  | 2001 09 10 | 704 | LINEAR                         | (68486) | 2001 TM <sub>169</sub> | 2001 10 15 | 704 | LINEAR          |
| (68435) | 2001 RF <sub>81</sub>  | 2001 09 14 | 644 | NEAT                           | (68487) | 2001 TM <sub>175</sub> | 2001 10 14 | 704 | LINEAR          |
| (68436) | 2001 RC <sub>85</sub>  | 2001 09 11 | 699 | LONEOS                         | (68488) | 2001 TK <sub>209</sub> | 2001 10 12 | 608 | NEAT            |
| (68437) | 2001 RQ <sub>87</sub>  | 2001 09 11 | 699 | LONEOS                         | (68489) | 2001 TS <sub>212</sub> | 2001 10 13 | 699 | LONEOS          |
| (68438) | 2001 RJ <sub>99</sub>  | 2001 09 12 | 704 | LINEAR                         | (68490) | 2001 TH <sub>239</sub> | 2001 10 15 | 644 | NEAT            |
| (68439) | 2001 RB <sub>104</sub> | 2001 09 12 | 704 | LINEAR                         | (68491) | 2001 UF <sub>4</sub>   | 2001 10 17 | 333 | Yeung, W. K. Y. |
| (68440) | 2001 RN <sub>107</sub> | 2001 09 12 | 704 | LINEAR                         | (68492) | 2001 UH <sub>4</sub>   | 2001 10 17 | 333 | Yeung, W. K. Y. |
| (68441) | 2001 RJ <sub>114</sub> | 2001 09 12 | 704 | LINEAR                         | (68493) | 2001 US <sub>9</sub>   | 2001 10 17 | 704 | LINEAR          |
| (68442) | 2001 RO <sub>132</sub> | 2001 09 12 | 704 | LINEAR                         | (68494) | 2001 UT <sub>9</sub>   | 2001 10 17 | 704 | LINEAR          |
| (68443) | 2001 RP <sub>133</sub> | 2001 09 12 | 704 | LINEAR                         | (68495) | 2001 UF <sub>21</sub>  | 2001 10 17 | 704 | LINEAR          |
| (68444) | 2001 RH <sub>142</sub> | 2001 09 11 | 704 | LINEAR                         | (68496) | 2001 UD <sub>33</sub>  | 2001 10 16 | 704 | LINEAR          |
| (68445) | 2001 RF <sub>147</sub> | 2001 09 09 | 699 | LONEOS                         | (68497) | 2001 UZ <sub>33</sub>  | 2001 10 16 | 704 | LINEAR          |
| (68446) | 2001 RN <sub>148</sub> | 2001 09 10 | 699 | LONEOS                         | (68498) | 2001 UV <sub>34</sub>  | 2001 10 16 | 704 | LINEAR          |
| (68447) | 2001 RP <sub>148</sub> | 2001 09 10 | 699 | LONEOS                         | (68499) | 2001 UM <sub>36</sub>  | 2001 10 16 | 704 | LINEAR          |
| (68448) | 2001 SW <sub>4</sub>   | 2001 09 18 | 678 | Juels, C. W., Holvorcem, P. R. | (68500) | 2001 UP <sub>45</sub>  | 2001 10 17 | 704 | LINEAR          |
| (68449) | 2001 SP <sub>20</sub>  | 2001 09 16 | 704 | LINEAR                         | (68501) | 2001 UE <sub>53</sub>  | 2001 10 17 | 704 | LINEAR          |
| (68450) | 2001 SN <sub>26</sub>  | 2001 09 16 | 704 | LINEAR                         | (68502) | 2001 US <sub>66</sub>  | 2001 10 19 | 704 | LINEAR          |
| (68451) | 2001 SZ <sub>31</sub>  | 2001 09 16 | 704 | LINEAR                         | (68503) | 2001 UC <sub>118</sub> | 2001 10 22 | 704 | LINEAR          |

|         |                        |            |     |                    |         |                        |            |     |                            |
|---------|------------------------|------------|-----|--------------------|---------|------------------------|------------|-----|----------------------------|
| (68504) | 2001 UK <sub>119</sub> | 2001 10 22 | 704 | LINEAR             | (68556) | 2001 XW <sub>93</sub>  | 2001 12 10 | 704 | LINEAR                     |
| (68505) | 2001 UM <sub>120</sub> | 2001 10 22 | 704 | LINEAR             | (68557) | 2001 XF <sub>109</sub> | 2001 12 10 | 704 | LINEAR                     |
| (68506) | 2001 UW <sub>121</sub> | 2001 10 22 | 704 | LINEAR             | (68558) | 2001 XX <sub>113</sub> | 2001 12 11 | 704 | LINEAR                     |
| (68507) | 2001 US <sub>122</sub> | 2001 10 22 | 704 | LINEAR             | (68559) | 2001 XT <sub>119</sub> | 2001 12 13 | 704 | LINEAR                     |
| (68508) | 2001 UZ <sub>134</sub> | 2001 10 21 | 704 | LINEAR             | (68560) | 2001 XB <sub>120</sub> | 2001 12 13 | 704 | LINEAR                     |
| (68509) | 2001 UA <sub>135</sub> | 2001 10 21 | 704 | LINEAR             | (68561) | 2001 XM <sub>156</sub> | 2001 12 14 | 704 | LINEAR                     |
| (68510) | 2001 UX <sub>154</sub> | 2001 10 23 | 704 | LINEAR             | (68562) | 2001 XE <sub>195</sub> | 2001 12 14 | 704 | LINEAR                     |
| (68511) | 2001 UH <sub>161</sub> | 2001 10 23 | 704 | LINEAR             | (68563) | 2001 XO <sub>206</sub> | 2001 12 11 | 704 | LINEAR                     |
| (68512) | 2001 UV <sub>161</sub> | 2001 10 23 | 704 | LINEAR             | (68564) | 2001 XF <sub>213</sub> | 2001 12 11 | 704 | LINEAR                     |
| (68513) | 2001 UL <sub>167</sub> | 2001 10 19 | 704 | LINEAR             | (68565) | 2001 XV <sub>239</sub> | 2001 12 15 | 704 | LINEAR                     |
| (68514) | 2001 UV <sub>177</sub> | 2001 10 21 | 704 | LINEAR             | (68566) | 2001 XT <sub>243</sub> | 2001 12 14 | 704 | LINEAR                     |
| (68515) | 2001 UZ <sub>183</sub> | 2001 10 16 | 704 | LINEAR             | (68567) | 2001 XB <sub>248</sub> | 2001 12 13 | 644 | NEAT                       |
| (68516) | 2001 UD <sub>188</sub> | 2001 10 17 | 704 | LINEAR             | (68568) | 2001 XV <sub>259</sub> | 2001 12 09 | 699 | LONEOS                     |
| (68517) | 2001 UC <sub>214</sub> | 2001 10 23 | 699 | LONEOS             | (68569) | 2001 YE <sub>3</sub>   | 2001 12 19 | 704 | LINEAR                     |
| (68518) | 2001 VM <sub>14</sub>  | 2001 11 10 | 704 | LINEAR             | (68570) | 2001 YQ <sub>4</sub>   | 2001 12 23 | 446 | McClusky, J. V.            |
| (68519) | 2001 VW <sub>15</sub>  | 2001 11 06 | 644 | NEAT               | (68571) | 2001 YR <sub>10</sub>  | 2001 12 17 | 704 | LINEAR                     |
| (68520) | 2001 VT <sub>19</sub>  | 2001 11 09 | 704 | LINEAR             | (68572) | 2001 YQ <sub>19</sub>  | 2001 12 17 | 704 | LINEAR                     |
| (68521) | 2001 VA <sub>25</sub>  | 2001 11 09 | 704 | LINEAR             | (68573) | 2001 YX <sub>24</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68522) | 2001 VO <sub>28</sub>  | 2001 11 09 | 704 | LINEAR             | (68574) | 2001 YG <sub>27</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68523) | 2001 VR <sub>28</sub>  | 2001 11 09 | 704 | LINEAR             | (68575) | 2001 YO <sub>43</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68524) | 2001 VZ <sub>31</sub>  | 2001 11 09 | 704 | LINEAR             | (68576) | 2001 YC <sub>53</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68525) | 2001 VE <sub>33</sub>  | 2001 11 09 | 704 | LINEAR             | (68577) | 2001 YM <sub>59</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68526) | 2001 VC <sub>44</sub>  | 2001 11 09 | 704 | LINEAR             | (68578) | 2001 YP <sub>75</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68527) | 2001 VO <sub>59</sub>  | 2001 11 10 | 704 | LINEAR             | (68579) | 2001 YB <sub>83</sub>  | 2001 12 18 | 704 | LINEAR                     |
| (68528) | 2001 VC <sub>60</sub>  | 2001 11 10 | 704 | LINEAR             | (68580) | 2001 YG <sub>91</sub>  | 2001 12 17 | 644 | NEAT                       |
| (68529) | 2001 VP <sub>63</sub>  | 2001 11 10 | 704 | LINEAR             | (68581) | 2001 YG <sub>118</sub> | 2001 12 18 | 704 | LINEAR                     |
| (68530) | 2001 VQ <sub>69</sub>  | 2001 11 11 | 704 | LINEAR             | (68582) | 2001 YS <sub>118</sub> | 2001 12 18 | 704 | LINEAR                     |
| (68531) | 2001 VQ <sub>91</sub>  | 2001 11 15 | 704 | LINEAR             | (68583) | 2001 YD <sub>150</sub> | 2001 12 19 | 704 | LINEAR                     |
| (68532) | 2001 VU <sub>92</sub>  | 2001 11 15 | 704 | LINEAR             | (68584) | 2002 AT <sub>3</sub>   | 2002 01 08 | 411 | Kobayashi, T.              |
| (68533) | 2001 VT <sub>94</sub>  | 2001 11 15 | 704 | LINEAR             | (68585) | 2002 AY <sub>6</sub>   | 2002 01 09 | 209 | Asiago-DLR Asteroid Survey |
| (68534) | 2001 VT <sub>95</sub>  | 2001 11 15 | 704 | LINEAR             | (68586) | 2002 AC <sub>8</sub>   | 2002 01 05 | 608 | NEAT                       |
| (68535) | 2001 VP <sub>97</sub>  | 2001 11 15 | 704 | LINEAR             | (68587) | 2002 AD <sub>10</sub>  | 2002 01 11 | 333 | Yeung, W. K. Y.            |
| (68536) | 2001 VU <sub>115</sub> | 2001 11 12 | 704 | LINEAR             | (68588) | 2002 AF <sub>10</sub>  | 2002 01 11 | 333 | Yeung, W. K. Y.            |
| (68537) | 2001 VC <sub>123</sub> | 2001 11 11 | 699 | LONEOS             | (68589) | 2002 AG <sub>10</sub>  | 2002 01 11 | 333 | Yeung, W. K. Y.            |
| (68538) | 2001 VN <sub>125</sub> | 2001 11 11 | 691 | Spacewatch         | (68590) | 2002 AZ <sub>17</sub>  | 2002 01 12 | 704 | LINEAR                     |
| (68539) | 2001 WL <sub>2</sub>   | 2001 11 17 | 557 | Kušnirák, P.       | (68591) | 2002 AO <sub>24</sub>  | 2002 01 08 | 644 | NEAT                       |
| (68540) | 2001 WR <sub>9</sub>   | 2001 11 17 | 704 | LINEAR             | (68592) | 2002 AS <sub>27</sub>  | 2002 01 07 | 699 | LONEOS                     |
| (68541) | 2001 WE <sub>40</sub>  | 2001 11 17 | 704 | LINEAR             | (68593) | 2002 AT <sub>28</sub>  | 2002 01 07 | 699 | LONEOS                     |
| (68542) | 2001 WE <sub>99</sub>  | 2001 11 17 | 201 | Jonathan B. Postel | (68594) | 2002 AJ <sub>37</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68543) | 2001 WQ <sub>101</sub> | 2001 11 17 | 691 | Spacewatch         | (68595) | 2002 AN <sub>37</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68544) | 2001 XO <sub>18</sub>  | 2001 12 09 | 704 | LINEAR             | (68596) | 2002 AW <sub>38</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68545) | 2001 XQ <sub>23</sub>  | 2001 12 09 | 704 | LINEAR             | (68597) | 2002 AX <sub>42</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68546) | 2001 XF <sub>26</sub>  | 2001 12 10 | 704 | LINEAR             | (68598) | 2002 AY <sub>50</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68547) | 2001 XW <sub>29</sub>  | 2001 12 11 | 704 | LINEAR             | (68599) | 2002 AU <sub>62</sub>  | 2002 01 11 | 704 | LINEAR                     |
| (68548) | 2001 XR <sub>31</sub>  | 2001 12 13 | 704 | LINEAR             | (68600) | 2002 AS <sub>64</sub>  | 2002 01 11 | 704 | LINEAR                     |
| (68549) | 2001 XD <sub>52</sub>  | 2001 12 10 | 704 | LINEAR             | (68601) | 2002 AD <sub>66</sub>  | 2002 01 12 | 704 | LINEAR                     |
| (68550) | 2001 XA <sub>54</sub>  | 2001 12 10 | 704 | LINEAR             | (68602) | 2002 AB <sub>82</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68551) | 2001 XH <sub>57</sub>  | 2001 12 10 | 704 | LINEAR             | (68603) | 2002 AR <sub>86</sub>  | 2002 01 09 | 704 | LINEAR                     |
| (68552) | 2001 XQ <sub>64</sub>  | 2001 12 10 | 704 | LINEAR             | (68604) | 2002 AJ <sub>100</sub> | 2002 01 08 | 704 | LINEAR                     |
| (68553) | 2001 XF <sub>68</sub>  | 2001 12 10 | 704 | LINEAR             | (68605) | 2002 AQ <sub>112</sub> | 2002 01 09 | 704 | LINEAR                     |
| (68554) | 2001 XY <sub>81</sub>  | 2001 12 11 | 704 | LINEAR             | (68606) | 2002 AT <sub>112</sub> | 2002 01 09 | 704 | LINEAR                     |
| (68555) | 2001 XX <sub>84</sub>  | 2001 12 11 | 704 | LINEAR             | (68607) | 2002 AP <sub>116</sub> | 2002 01 09 | 704 | LINEAR                     |

|         |                        |            |     |                                |         |                        |            |     |                 |
|---------|------------------------|------------|-----|--------------------------------|---------|------------------------|------------|-----|-----------------|
| (68608) | 2002 AM <sub>117</sub> | 2002 01 09 | 704 | LINEAR                         | (68660) | 2002 CZ <sub>91</sub>  | 2002 02 07 | 704 | LINEAR          |
| (68609) | 2002 AT <sub>118</sub> | 2002 01 09 | 704 | LINEAR                         | (68661) | 2002 CR <sub>93</sub>  | 2002 02 07 | 704 | LINEAR          |
| (68610) | 2002 AD <sub>122</sub> | 2002 01 09 | 704 | LINEAR                         | (68662) | 2002 CP <sub>94</sub>  | 2002 02 07 | 704 | LINEAR          |
| (68611) | 2002 AG <sub>122</sub> | 2002 01 09 | 704 | LINEAR                         | (68663) | 2002 CM <sub>99</sub>  | 2002 02 07 | 704 | LINEAR          |
| (68612) | 2002 AM <sub>125</sub> | 2002 01 11 | 704 | LINEAR                         | (68664) | 2002 CN <sub>100</sub> | 2002 02 07 | 704 | LINEAR          |
| (68613) | 2002 AH <sub>131</sub> | 2002 01 12 | 704 | LINEAR                         | (68665) | 2002 CM <sub>101</sub> | 2002 02 07 | 704 | LINEAR          |
| (68614) | 2002 AL <sub>136</sub> | 2002 01 09 | 704 | LINEAR                         | (68666) | 2002 CN <sub>104</sub> | 2002 02 07 | 704 | LINEAR          |
| (68615) | 2002 AC <sub>148</sub> | 2002 01 13 | 644 | NEAT                           | (68667) | 2002 CJ <sub>107</sub> | 2002 02 07 | 704 | LINEAR          |
| (68616) | 2002 AO <sub>152</sub> | 2002 01 14 | 704 | LINEAR                         | (68668) | 2002 CA <sub>109</sub> | 2002 02 07 | 704 | LINEAR          |
| (68617) | 2002 AL <sub>159</sub> | 2002 01 13 | 704 | LINEAR                         | (68669) | 2002 CJ <sub>109</sub> | 2002 02 07 | 704 | LINEAR          |
| (68618) | 2002 AK <sub>164</sub> | 2002 01 13 | 704 | LINEAR                         | (68670) | 2002 CV <sub>110</sub> | 2002 02 07 | 704 | LINEAR          |
| (68619) | 2002 AS <sub>166</sub> | 2002 01 13 | 704 | LINEAR                         | (68671) | 2002 CC <sub>112</sub> | 2002 02 07 | 704 | LINEAR          |
| (68620) | 2002 AL <sub>178</sub> | 2002 01 14 | 704 | LINEAR                         | (68672) | 2002 CS <sub>114</sub> | 2002 02 08 | 704 | LINEAR          |
| (68621) | 2002 AK <sub>189</sub> | 2002 01 10 | 644 | NEAT                           | (68673) | 2002 CD <sub>115</sub> | 2002 02 09 | 704 | LINEAR          |
| (68622) | 2002 BQ                | 2002 01 21 | 333 | Yeung, W. K. Y.                | (68674) | 2002 CV <sub>117</sub> | 2002 02 12 | 333 | Yeung, W. K. Y. |
| (68623) | 2002 BL <sub>8</sub>   | 2002 01 18 | 704 | LINEAR                         | (68675) | 2002 CV <sub>123</sub> | 2002 02 07 | 704 | LINEAR          |
| (68624) | 2002 BS <sub>8</sub>   | 2002 01 18 | 704 | LINEAR                         | (68676) | 2002 CZ <sub>125</sub> | 2002 02 07 | 704 | LINEAR          |
| (68625) | 2002 BW <sub>11</sub>  | 2002 01 19 | 704 | LINEAR                         | (68677) | 2002 CW <sub>133</sub> | 2002 02 07 | 704 | LINEAR          |
| (68626) | 2002 BK <sub>16</sub>  | 2002 01 19 | 704 | LINEAR                         | (68678) | 2002 CL <sub>134</sub> | 2002 02 07 | 704 | LINEAR          |
| (68627) | 2002 BF <sub>17</sub>  | 2002 01 19 | 704 | LINEAR                         | (68679) | 2002 CP <sub>134</sub> | 2002 02 07 | 704 | LINEAR          |
| (68628) | 2002 BU <sub>17</sub>  | 2002 01 21 | 704 | LINEAR                         | (68680) | 2002 CV <sub>134</sub> | 2002 02 07 | 704 | LINEAR          |
| (68629) | 2002 BZ <sub>17</sub>  | 2002 01 21 | 704 | LINEAR                         | (68681) | 2002 CE <sub>138</sub> | 2002 02 08 | 704 | LINEAR          |
| (68630) | 2002 BU <sub>25</sub>  | 2002 01 25 | 644 | NEAT                           | (68682) | 2002 CR <sub>140</sub> | 2002 02 08 | 704 | LINEAR          |
| (68631) | 2002 BW <sub>28</sub>  | 2002 01 19 | 699 | LONEOS                         | (68683) | 2002 CX <sub>141</sub> | 2002 02 08 | 704 | LINEAR          |
| (68632) | 2002 CN <sub>7</sub>   | 2002 02 06 | 678 | Juels, C. W., Holvorcem, P. R. | (68684) | 2002 CC <sub>142</sub> | 2002 02 08 | 704 | LINEAR          |
| (68633) | 2002 CY <sub>13</sub>  | 2002 02 08 | 333 | Yeung, W. K. Y.                | (68685) | 2002 CK <sub>142</sub> | 2002 02 08 | 704 | LINEAR          |
| (68634) | 2002 CY <sub>14</sub>  | 2002 02 09 | 333 | Yeung, W. K. Y.                | (68686) | 2002 CL <sub>145</sub> | 2002 02 09 | 704 | LINEAR          |
| (68635) | 2002 CT <sub>15</sub>  | 2002 02 08 | 678 | Juels, C. W., Holvorcem, P. R. | (68687) | 2002 CV <sub>145</sub> | 2002 02 09 | 704 | LINEAR          |
| (68636) | 2002 CR <sub>17</sub>  | 2002 02 06 | 704 | LINEAR                         | (68688) | 2002 CX <sub>145</sub> | 2002 02 09 | 704 | LINEAR          |
| (68637) | 2002 CU <sub>26</sub>  | 2002 02 06 | 704 | LINEAR                         | (68689) | 2002 CZ <sub>150</sub> | 2002 02 10 | 704 | LINEAR          |
| (68638) | 2002 CO <sub>30</sub>  | 2002 02 06 | 704 | LINEAR                         | (68690) | 2002 CD <sub>164</sub> | 2002 02 08 | 704 | LINEAR          |
| (68639) | 2002 CV <sub>31</sub>  | 2002 02 06 | 704 | LINEAR                         | (68691) | 2002 CO <sub>165</sub> | 2002 02 08 | 704 | LINEAR          |
| (68640) | 2002 CX <sub>38</sub>  | 2002 02 07 | 704 | LINEAR                         | (68692) | 2002 CV <sub>167</sub> | 2002 02 08 | 704 | LINEAR          |
| (68641) | 2002 CR <sub>43</sub>  | 2002 02 08 | 704 | LINEAR                         | (68693) | 2002 CX <sub>168</sub> | 2002 02 08 | 704 | LINEAR          |
| (68642) | 2002 CH <sub>45</sub>  | 2002 02 08 | 691 | Spacewatch                     | (68694) | 2002 CG <sub>169</sub> | 2002 02 08 | 704 | LINEAR          |
| (68643) | 2002 CZ <sub>49</sub>  | 2002 02 03 | 608 | NEAT                           | (68695) | 2002 CB <sub>171</sub> | 2002 02 08 | 704 | LINEAR          |
| (68644) | 2002 CX <sub>50</sub>  | 2002 02 12 | 333 | Yeung, W. K. Y.                | (68696) | 2002 CX <sub>173</sub> | 2002 02 08 | 704 | LINEAR          |
| (68645) | 2002 CQ <sub>52</sub>  | 2002 02 11 | 678 | Juels, C. W., Holvorcem, P. R. | (68697) | 2002 CR <sub>176</sub> | 2002 02 10 | 704 | LINEAR          |
| (68646) | 2002 CN <sub>53</sub>  | 2002 02 07 | 704 | LINEAR                         | (68698) | 2002 CG <sub>183</sub> | 2002 02 10 | 704 | LINEAR          |
| (68647) | 2002 CG <sub>54</sub>  | 2002 02 07 | 704 | LINEAR                         | (68699) | 2002 CY <sub>192</sub> | 2002 02 10 | 704 | LINEAR          |
| (68648) | 2002 CT <sub>55</sub>  | 2002 02 07 | 704 | LINEAR                         | (68700) | 2002 CN <sub>198</sub> | 2002 02 10 | 704 | LINEAR          |
| (68649) | 2002 CT <sub>57</sub>  | 2002 02 07 | 704 | LINEAR                         | (68701) | 2002 CJ <sub>200</sub> | 2002 02 10 | 704 | LINEAR          |
| (68650) | 2002 CP <sub>59</sub>  | 2002 02 13 | 333 | Yeung, W. K. Y.                | (68702) | 2002 CU <sub>215</sub> | 2002 02 10 | 704 | LINEAR          |
| (68651) | 2002 CS <sub>60</sub>  | 2002 02 06 | 704 | LINEAR                         | (68703) | 2002 CO <sub>219</sub> | 2002 02 10 | 704 | LINEAR          |
| (68652) | 2002 CU <sub>74</sub>  | 2002 02 07 | 704 | LINEAR                         | (68704) | 2002 CY <sub>219</sub> | 2002 02 10 | 704 | LINEAR          |
| (68653) | 2002 CL <sub>78</sub>  | 2002 02 07 | 704 | LINEAR                         | (68705) | 2002 CM <sub>221</sub> | 2002 02 10 | 704 | LINEAR          |
| (68654) | 2002 CR <sub>78</sub>  | 2002 02 07 | 704 | LINEAR                         | (68706) | 2002 CX <sub>234</sub> | 2002 02 08 | 691 | Spacewatch      |
| (68655) | 2002 CS <sub>78</sub>  | 2002 02 07 | 704 | LINEAR                         | (68707) | 2002 CX <sub>235</sub> | 2002 02 13 | 704 | LINEAR          |
| (68656) | 2002 CU <sub>78</sub>  | 2002 02 07 | 704 | LINEAR                         | (68708) | 2002 CC <sub>242</sub> | 2002 02 11 | 704 | LINEAR          |
| (68657) | 2002 CW <sub>87</sub>  | 2002 02 07 | 704 | LINEAR                         | (68709) | 2002 CE <sub>244</sub> | 2002 02 11 | 704 | LINEAR          |
| (68658) | 2002 CN <sub>89</sub>  | 2002 02 07 | 704 | LINEAR                         | (68710) | 2002 CN <sub>244</sub> | 2002 02 11 | 704 | LINEAR          |
| (68659) | 2002 CH <sub>91</sub>  | 2002 02 07 | 704 | LINEAR                         | (68711) | 2002 CV <sub>244</sub> | 2002 02 11 | 704 | LINEAR          |

|         |                        |            |     |                    |         |                        |            |     |                 |
|---------|------------------------|------------|-----|--------------------|---------|------------------------|------------|-----|-----------------|
| (68712) | 2002 CO <sub>249</sub> | 2002 02 15 | 704 | LINEAR             | (68764) | 2002 EY <sub>98</sub>  | 2002 03 15 | 704 | LINEAR          |
| (68713) | 2002 CX <sub>253</sub> | 2002 02 04 | 644 | NEAT               | (68765) | 2002 EE <sub>99</sub>  | 2002 03 15 | 704 | LINEAR          |
| (68714) | 2002 CS <sub>259</sub> | 2002 02 06 | 608 | NEAT               | (68766) | 2002 EN <sub>102</sub> | 2002 03 06 | 644 | NEAT            |
| (68715) | 2002 CM <sub>272</sub> | 2002 02 08 | 699 | LONEOS             | (68767) | 2002 ES <sub>104</sub> | 2002 03 09 | 644 | NEAT            |
| (68716) | 2002 CX <sub>280</sub> | 2002 02 08 | 695 | Buie, M. W.        | (68768) | 2002 EC <sub>106</sub> | 2002 03 09 | 699 | LONEOS          |
| (68717) | 2002 CO <sub>286</sub> | 2002 02 10 | 704 | LINEAR             | (68769) | 2002 ER <sub>110</sub> | 2002 03 09 | 703 | CSS             |
| (68718) | 2002 DQ                | 2002 02 17 | 185 | Ory, M.            | (68770) | 2002 EJ <sub>131</sub> | 2002 03 13 | 291 | Spacewatch      |
| (68719) | 2002 DW                | 2002 02 16 | 344 | Bohyunsan          | (68771) | 2002 EW <sub>138</sub> | 2002 03 12 | 644 | NEAT            |
| (68720) | 2002 DB <sub>3</sub>   | 2002 02 21 | 460 | Clingan, R.        | (68772) | 2002 EB <sub>147</sub> | 2002 03 14 | 644 | NEAT            |
| (68721) | 2002 DC <sub>6</sub>   | 2002 02 16 | 608 | NEAT               | (68773) | 2002 EB <sub>153</sub> | 2002 03 15 | 644 | NEAT            |
| (68722) | 2002 DF <sub>6</sub>   | 2002 02 19 | 691 | Spacewatch         | (68774) | 2002 EG <sub>153</sub> | 2002 03 15 | 644 | NEAT            |
| (68723) | 2002 DH <sub>10</sub>  | 2002 02 20 | 704 | LINEAR             | (68775) | 2002 EH <sub>154</sub> | 2002 03 13 | 704 | LINEAR          |
| (68724) | 2002 DH <sub>12</sub>  | 2002 02 21 | 644 | NEAT               | (68776) | 2002 EZ <sub>154</sub> | 2002 03 11 | 644 | NEAT            |
| (68725) | 2002 ED <sub>3</sub>   | 2002 03 10 | 608 | NEAT               | (68777) | 2002 FD <sub>1</sub>   | 2002 03 18 | 333 | Yeung, W. K. Y. |
| (68726) | 2002 EZ <sub>5</sub>   | 2002 03 12 | 106 | Crni Vrh           | (68778) | 2002 FO <sub>2</sub>   | 2002 03 19 | 333 | Yeung, W. K. Y. |
| (68727) | 2002 EH <sub>6</sub>   | 2002 03 12 | 333 | Yeung, W. K. Y.    | (68779) | 2002 FA <sub>3</sub>   | 2002 03 18 | 246 | Klet            |
| (68728) | 2002 EP <sub>6</sub>   | 2002 03 06 | 413 | McNaught, R. H.    | (68780) | 2002 FQ <sub>3</sub>   | 2002 03 18 | 333 | Yeung, W. K. Y. |
| (68729) | 2002 EG <sub>12</sub>  | 2002 03 14 | 333 | Yeung, W. K. Y.    | (68781) | 2002 FN <sub>7</sub>   | 2002 03 28 | 608 | NEAT            |
| (68730) | 2002 EA <sub>13</sub>  | 2002 03 15 | 152 | Moletai Astronomic | (68782) | 2002 FW <sub>7</sub>   | 2002 03 16 | 704 | LINEAR          |
| (68731) | 2002 ES <sub>16</sub>  | 2002 03 06 | 704 | LINEAR             | (68783) | 2002 FZ <sub>9</sub>   | 2002 03 16 | 704 | LINEAR          |
| (68732) | 2002 EF <sub>21</sub>  | 2002 03 10 | 608 | NEAT               | (68784) | 2002 FK <sub>10</sub>  | 2002 03 17 | 704 | LINEAR          |
| (68733) | 2002 EF <sub>25</sub>  | 2002 03 10 | 699 | LONEOS             | (68785) | 2002 FS <sub>11</sub>  | 2002 03 16 | 608 | NEAT            |
| (68734) | 2002 EH <sub>26</sub>  | 2002 03 10 | 699 | LONEOS             | (68786) | 2002 FA <sub>13</sub>  | 2002 03 16 | 704 | LINEAR          |
| (68735) | 2002 ET <sub>26</sub>  | 2002 03 10 | 699 | LONEOS             | (68787) | 2002 FJ <sub>13</sub>  | 2002 03 16 | 704 | LINEAR          |
| (68736) | 2002 EQ <sub>28</sub>  | 2002 03 09 | 704 | LINEAR             | (68788) | 2002 FU <sub>13</sub>  | 2002 03 16 | 608 | NEAT            |
| (68737) | 2002 EU <sub>28</sub>  | 2002 03 09 | 704 | LINEAR             | (68789) | 2002 FD <sub>17</sub>  | 2002 03 17 | 691 | Spacewatch      |
| (68738) | 2002 EJ <sub>35</sub>  | 2002 03 11 | 608 | NEAT               | (68790) | 2002 FL <sub>28</sub>  | 2002 03 20 | 644 | NEAT            |
| (68739) | 2002 EK <sub>38</sub>  | 2002 03 12 | 691 | Spacewatch         | (68791) | 2002 FR <sub>30</sub>  | 2002 03 20 | 644 | NEAT            |
| (68740) | 2002 EY <sub>38</sub>  | 2002 03 12 | 691 | Spacewatch         | (68792) | 2002 FY <sub>30</sub>  | 2002 03 20 | 704 | LINEAR          |
| (68741) | 2002 EM <sub>40</sub>  | 2002 03 09 | 704 | LINEAR             | (68793) | 2002 GR <sub>4</sub>   | 2002 04 10 | 704 | LINEAR          |
| (68742) | 2002 EO <sub>41</sub>  | 2002 03 12 | 704 | LINEAR             | (68794) | 2002 GZ <sub>6</sub>   | 2002 04 12 | 333 | Yeung, W. K. Y. |
| (68743) | 2002 EY <sub>42</sub>  | 2002 03 12 | 704 | LINEAR             | (68795) | 2002 GE <sub>9</sub>   | 2002 04 15 | 333 | Yeung, W. K. Y. |
| (68744) | 2002 EV <sub>43</sub>  | 2002 03 12 | 704 | LINEAR             | (68796) | 2002 GF <sub>9</sub>   | 2002 04 15 | 333 | Yeung, W. K. Y. |
| (68745) | 2002 EP <sub>45</sub>  | 2002 03 11 | 644 | NEAT               | (68797) | 2002 GG <sub>10</sub>  | 2002 04 04 | 621 | Bickel, W.      |
| (68746) | 2002 EM <sub>46</sub>  | 2002 03 11 | 644 | NEAT               | (68798) | 2002 GX <sub>15</sub>  | 2002 04 15 | 704 | LINEAR          |
| (68747) | 2002 EL <sub>49</sub>  | 2002 03 12 | 644 | NEAT               | (68799) | 2002 GZ <sub>16</sub>  | 2002 04 15 | 704 | LINEAR          |
| (68748) | 2002 EE <sub>57</sub>  | 2002 03 13 | 704 | LINEAR             | (68800) | 2002 GY <sub>18</sub>  | 2002 04 14 | 704 | LINEAR          |
| (68749) | 2002 EJ <sub>63</sub>  | 2002 03 13 | 704 | LINEAR             | (68801) | 2002 GR <sub>20</sub>  | 2002 04 14 | 704 | LINEAR          |
| (68750) | 2002 EM <sub>68</sub>  | 2002 03 13 | 704 | LINEAR             | (68802) | 2002 GK <sub>21</sub>  | 2002 04 14 | 704 | LINEAR          |
| (68751) | 2002 ES <sub>69</sub>  | 2002 03 13 | 704 | LINEAR             | (68803) | 2002 GT <sub>25</sub>  | 2002 04 14 | 704 | LINEAR          |
| (68752) | 2002 EF <sub>70</sub>  | 2002 03 13 | 704 | LINEAR             | (68804) | 2002 GG <sub>26</sub>  | 2002 04 14 | 704 | LINEAR          |
| (68753) | 2002 EY <sub>74</sub>  | 2002 03 13 | 704 | LINEAR             | (68805) | 2002 GW <sub>38</sub>  | 2002 04 02 | 691 | Spacewatch      |
| (68754) | 2002 EM <sub>75</sub>  | 2002 03 14 | 644 | NEAT               | (68806) | 2002 GR <sub>40</sub>  | 2002 04 04 | 644 | NEAT            |
| (68755) | 2002 EN <sub>79</sub>  | 2002 03 10 | 608 | NEAT               | (68807) | 2002 GJ <sub>43</sub>  | 2002 04 04 | 644 | NEAT            |
| (68756) | 2002 EW <sub>83</sub>  | 2002 03 09 | 704 | LINEAR             | (68808) | 2002 GR <sub>50</sub>  | 2002 04 05 | 644 | NEAT            |
| (68757) | 2002 EH <sub>86</sub>  | 2002 03 09 | 704 | LINEAR             | (68809) | 2002 GB <sub>54</sub>  | 2002 04 05 | 644 | NEAT            |
| (68758) | 2002 EB <sub>87</sub>  | 2002 03 09 | 704 | LINEAR             | (68810) | 2002 GO <sub>54</sub>  | 2002 04 05 | 644 | NEAT            |
| (68759) | 2002 EH <sub>87</sub>  | 2002 03 09 | 704 | LINEAR             | (68811) | 2002 GD <sub>55</sub>  | 2002 04 05 | 644 | NEAT            |
| (68760) | 2002 EL <sub>87</sub>  | 2002 03 09 | 704 | LINEAR             | (68812) | 2002 GB <sub>56</sub>  | 2002 04 05 | 699 | LONEOS          |
| (68761) | 2002 ES <sub>89</sub>  | 2002 03 12 | 704 | LINEAR             | (68813) | 2002 GR <sub>64</sub>  | 2002 04 08 | 644 | NEAT            |
| (68762) | 2002 EE <sub>94</sub>  | 2002 03 14 | 704 | LINEAR             | (68814) | 2002 GP <sub>66</sub>  | 2002 04 08 | 644 | NEAT            |
| (68763) | 2002 ED <sub>96</sub>  | 2002 03 15 | 704 | LINEAR             | (68815) | 2002 GB <sub>67</sub>  | 2002 04 08 | 291 | Spacewatch      |

|         |                        |            |     |                 |         |                        |            |     |                |
|---------|------------------------|------------|-----|-----------------|---------|------------------------|------------|-----|----------------|
| (68816) | 2002 GF <sub>67</sub>  | 2002 04 08 | 291 | Spacewatch      | (68868) | 2002 JY <sub>22</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68817) | 2002 GV <sub>70</sub>  | 2002 04 08 | 644 | NEAT            | (68869) | 2002 JL <sub>25</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68818) | 2002 GH <sub>71</sub>  | 2002 04 09 | 699 | LONEOS          | (68870) | 2002 JU <sub>26</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68819) | 2002 GO <sub>71</sub>  | 2002 04 09 | 699 | LONEOS          | (68871) | 2002 JC <sub>35</sub>  | 2002 05 09 | 704 | LINEAR         |
| (68820) | 2002 GB <sub>72</sub>  | 2002 04 09 | 699 | LONEOS          | (68872) | 2002 JP <sub>36</sub>  | 2002 05 04 | 699 | LONEOS         |
| (68821) | 2002 GM <sub>73</sub>  | 2002 04 09 | 699 | LONEOS          | (68873) | 2002 JC <sub>37</sub>  | 2002 05 09 | 699 | LONEOS         |
| (68822) | 2002 GD <sub>76</sub>  | 2002 04 09 | 691 | Spacewatch      | (68874) | 2002 JZ <sub>37</sub>  | 2002 05 08 | 608 | NEAT           |
| (68823) | 2002 GZ <sub>80</sub>  | 2002 04 10 | 704 | LINEAR          | (68875) | 2002 JT <sub>40</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68824) | 2002 GB <sub>81</sub>  | 2002 04 10 | 704 | LINEAR          | (68876) | 2002 JR <sub>41</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68825) | 2002 GH <sub>81</sub>  | 2002 04 10 | 704 | LINEAR          | (68877) | 2002 JW <sub>42</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68826) | 2002 GP <sub>82</sub>  | 2002 04 10 | 704 | LINEAR          | (68878) | 2002 JN <sub>46</sub>  | 2002 05 09 | 704 | LINEAR         |
| (68827) | 2002 GB <sub>85</sub>  | 2002 04 10 | 704 | LINEAR          | (68879) | 2002 JB <sub>47</sub>  | 2002 05 09 | 704 | LINEAR         |
| (68828) | 2002 GA <sub>86</sub>  | 2002 04 10 | 704 | LINEAR          | (68880) | 2002 JM <sub>49</sub>  | 2002 05 09 | 704 | LINEAR         |
| (68829) | 2002 GE <sub>88</sub>  | 2002 04 10 | 704 | LINEAR          | (68881) | 2002 JH <sub>54</sub>  | 2002 05 09 | 704 | LINEAR         |
| (68830) | 2002 GF <sub>88</sub>  | 2002 04 10 | 704 | LINEAR          | (68882) | 2002 JM <sub>60</sub>  | 2002 05 10 | 704 | LINEAR         |
| (68831) | 2002 GG <sub>89</sub>  | 2002 04 10 | 644 | NEAT            | (68883) | 2002 JQ <sub>60</sub>  | 2002 05 10 | 644 | NEAT           |
| (68832) | 2002 GW <sub>91</sub>  | 2002 04 09 | 704 | LINEAR          | (68884) | 2002 JZ <sub>62</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68833) | 2002 GL <sub>98</sub>  | 2002 04 10 | 704 | LINEAR          | (68885) | 2002 JY <sub>70</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68834) | 2002 GU <sub>104</sub> | 2002 04 10 | 704 | LINEAR          | (68886) | 2002 JX <sub>71</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68835) | 2002 GC <sub>105</sub> | 2002 04 11 | 699 | LONEOS          | (68887) | 2002 JP <sub>72</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68836) | 2002 GU <sub>105</sub> | 2002 04 11 | 699 | LONEOS          | (68888) | 2002 JM <sub>73</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68837) | 2002 GO <sub>109</sub> | 2002 04 11 | 644 | NEAT            | (68889) | 2002 JT <sub>73</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68838) | 2002 GL <sub>115</sub> | 2002 04 11 | 704 | LINEAR          | (68890) | 2002 JF <sub>76</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68839) | 2002 GJ <sub>116</sub> | 2002 04 11 | 704 | LINEAR          | (68891) | 2002 JS <sub>79</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68840) | 2002 GB <sub>118</sub> | 2002 04 11 | 704 | LINEAR          | (68892) | 2002 JV <sub>81</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68841) | 2002 GJ <sub>118</sub> | 2002 04 12 | 644 | NEAT            | (68893) | 2002 JE <sub>84</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68842) | 2002 GM <sub>122</sub> | 2002 04 10 | 704 | LINEAR          | (68894) | 2002 JH <sub>84</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68843) | 2002 GJ <sub>127</sub> | 2002 04 12 | 704 | LINEAR          | (68895) | 2002 JR <sub>84</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68844) | 2002 GL <sub>132</sub> | 2002 04 12 | 704 | LINEAR          | (68896) | 2002 JN <sub>85</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68845) | 2002 GU <sub>137</sub> | 2002 04 12 | 704 | LINEAR          | (68897) | 2002 JV <sub>85</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68846) | 2002 GV <sub>144</sub> | 2002 04 12 | 644 | NEAT            | (68898) | 2002 JV <sub>89</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68847) | 2002 GK <sub>155</sub> | 2002 04 13 | 644 | NEAT            | (68899) | 2002 JL <sub>95</sub>  | 2002 05 11 | 704 | LINEAR         |
| (68848) | 2002 GU <sub>158</sub> | 2002 04 13 | 644 | NEAT            | (68900) | 2002 JC <sub>98</sub>  | 2002 05 08 | 704 | LINEAR         |
| (68849) | 2002 GH <sub>161</sub> | 2002 04 15 | 699 | LONEOS          | (68901) | 2002 JO <sub>100</sub> | 2002 05 15 | 678 | Fountain Hills |
| (68850) | 2002 GK <sub>165</sub> | 2002 04 14 | 644 | NEAT            | (68902) | 2002 JD <sub>101</sub> | 2002 05 06 | 704 | LINEAR         |
| (68851) | 2002 HV                | 2002 04 16 | 333 | Yeung, W. K. Y. | (68903) | 2002 JG <sub>101</sub> | 2002 05 06 | 704 | LINEAR         |
| (68852) | 2002 HO <sub>3</sub>   | 2002 04 16 | 704 | LINEAR          | (68904) | 2002 JU <sub>103</sub> | 2002 05 10 | 704 | LINEAR         |
| (68853) | 2002 HA <sub>9</sub>   | 2002 04 19 | 844 | Los Molinos     | (68905) | 2002 JZ <sub>104</sub> | 2002 05 12 | 704 | LINEAR         |
| (68854) | 2002 HS <sub>9</sub>   | 2002 04 17 | 704 | LINEAR          | (68906) | 2002 JO <sub>107</sub> | 2002 05 13 | 644 | NEAT           |
| (68855) | 2002 HS <sub>12</sub>  | 2002 04 29 | 644 | NEAT            | (68907) | 2002 JV <sub>110</sub> | 2002 05 11 | 704 | LINEAR         |
| (68856) | 2002 HL <sub>15</sub>  | 2002 04 17 | 704 | LINEAR          | (68908) | 2002 JW <sub>117</sub> | 2002 05 04 | 699 | LONEOS         |
| (68857) | 2002 JF                | 2002 05 03 | 333 | Yeung, W. K. Y. | (68909) | 2002 JN <sub>119</sub> | 2002 05 05 | 644 | NEAT           |
| (68858) | 2002 JW                | 2002 05 03 | 333 | Yeung, W. K. Y. | (68910) | 2002 JB <sub>120</sub> | 2002 05 05 | 644 | NEAT           |
| (68859) | 2002 JZ                | 2002 05 03 | 333 | Yeung, W. K. Y. | (68911) | 2002 JS <sub>120</sub> | 2002 05 05 | 644 | NEAT           |
| (68860) | 2002 JF <sub>2</sub>   | 2002 05 04 | 644 | NEAT            | (68912) | 2002 JE <sub>122</sub> | 2002 05 06 | 699 | LONEOS         |
| (68861) | 2002 JQ <sub>3</sub>   | 2002 05 03 | 699 | LONEOS          | (68913) | 2002 JB <sub>129</sub> | 2002 05 08 | 699 | LONEOS         |
| (68862) | 2002 JU <sub>5</sub>   | 2002 05 05 | 644 | NEAT            | (68914) | 2002 JR <sub>132</sub> | 2002 05 09 | 644 | NEAT           |
| (68863) | 2002 JS <sub>6</sub>   | 2002 05 06 | 291 | Spacewatch      | (68915) | 2002 KQ <sub>8</sub>   | 2002 05 30 | 644 | NEAT           |
| (68864) | 2002 JW <sub>9</sub>   | 2002 05 06 | 704 | LINEAR          | (68916) | 2002 KV <sub>9</sub>   | 2002 05 16 | 704 | LINEAR         |
| (68865) | 2002 JR <sub>14</sub>  | 2002 05 08 | 704 | LINEAR          | (68917) | 2002 KW <sub>9</sub>   | 2002 05 16 | 704 | LINEAR         |
| (68866) | 2002 JG <sub>15</sub>  | 2002 05 08 | 704 | LINEAR          | (68918) | 2002 KZ <sub>9</sub>   | 2002 05 16 | 704 | LINEAR         |
| (68867) | 2002 JE <sub>16</sub>  | 2002 05 07 | 644 | NEAT            | (68919) | 2002 LL <sub>3</sub>   | 2002 06 03 | 704 | LINEAR         |



|         |                        |            |     |                                       |         |                        |            |     |                |
|---------|------------------------|------------|-----|---------------------------------------|---------|------------------------|------------|-----|----------------|
| (68920) | 2002 LT <sub>3</sub>   | 2002 06 03 | 704 | LINEAR                                | (68972) | 2002 RJ <sub>106</sub> | 2002 09 05 | 704 | LINEAR         |
| (68921) | 2002 LQ <sub>6</sub>   | 2002 06 01 | 644 | NEAT                                  | (68973) | 2002 RW <sub>106</sub> | 2002 09 05 | 704 | LINEAR         |
| (68922) | 2002 LW <sub>12</sub>  | 2002 06 05 | 704 | LINEAR                                | (68974) | 2002 RO <sub>107</sub> | 2002 09 05 | 704 | LINEAR         |
| (68923) | 2002 LV <sub>40</sub>  | 2002 06 10 | 704 | LINEAR                                | (68975) | 2002 RU <sub>107</sub> | 2002 09 05 | 704 | LINEAR         |
| (68924) | 2002 LT <sub>47</sub>  | 2002 06 12 | 704 | LINEAR                                | (68976) | 2002 RJ <sub>116</sub> | 2002 09 06 | 704 | LINEAR         |
| (68925) | 2002 LP <sub>49</sub>  | 2002 06 08 | 704 | LINEAR                                | (68977) | 2002 RE <sub>127</sub> | 2002 09 10 | 644 | NEAT           |
| (68926) | 2002 ME <sub>3</sub>   | 2002 06 19 | 291 | Spacewatch                            | (68978) | 2002 RN <sub>133</sub> | 2002 09 10 | 644 | NEAT           |
| (68927) | 2002 NB <sub>28</sub>  | 2002 07 13 | 704 | LINEAR                                | (68979) | 2002 RJ <sub>173</sub> | 2002 09 13 | 704 | LINEAR         |
| (68928) | 2002 NG <sub>33</sub>  | 2002 07 13 | 704 | LINEAR                                | (68980) | 2002 RP <sub>181</sub> | 2002 09 13 | 611 | Starkenburg    |
| (68929) | 2002 OB <sub>4</sub>   | 2002 07 17 | 704 | LINEAR                                | (68981) | 2002 SO <sub>27</sub>  | 2002 09 29 | 608 | NEAT           |
| (68930) | 2002 OD <sub>4</sub>   | 2002 07 17 | 704 | LINEAR                                | (68982) | 2002 SR <sub>29</sub>  | 2002 09 28 | 608 | NEAT           |
| (68931) | 2002 OJ <sub>8</sub>   | 2002 07 18 | 644 | NEAT                                  | (68983) | 2002 SB <sub>40</sub>  | 2002 09 30 | 608 | NEAT           |
| (68932) | 2002 OB <sub>13</sub>  | 2002 07 18 | 704 | LINEAR                                | (68984) | 2002 SF <sub>57</sub>  | 2002 09 30 | 704 | LINEAR         |
| (68933) | 2002 OM <sub>20</sub>  | 2002 07 28 | 608 | NEAT                                  | (68985) | 2002 TK <sub>10</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68934) | 2002 PA <sub>15</sub>  | 2002 08 06 | 644 | NEAT                                  | (68986) | 2002 TN <sub>28</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68935) | 2002 PE <sub>32</sub>  | 2002 08 06 | 644 | NEAT                                  | (68987) | 2002 TT <sub>32</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68936) | 2002 PM <sub>46</sub>  | 2002 08 09 | 704 | LINEAR                                | (68988) | 2002 TU <sub>34</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68937) | 2002 PQ <sub>49</sub>  | 2002 08 10 | 704 | LINEAR                                | (68989) | 2002 TP <sub>39</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68938) | 2002 PU <sub>49</sub>  | 2002 08 10 | 704 | LINEAR                                | (68990) | 2002 TY <sub>44</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68939) | 2002 PM <sub>102</sub> | 2002 08 12 | 704 | LINEAR                                | (68991) | 2002 TK <sub>45</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68940) | 2002 PB <sub>116</sub> | 2002 08 13 | 704 | LINEAR                                | (68992) | 2002 TF <sub>54</sub>  | 2002 10 02 | 704 | LINEAR         |
| (68941) | 2002 PX <sub>124</sub> | 2002 08 13 | 699 | LONEOS                                | (68993) | 2002 TF <sub>72</sub>  | 2002 10 03 | 644 | NEAT           |
| (68942) | 2002 PY <sub>125</sub> | 2002 08 14 | 704 | LINEAR                                | (68994) | 2002 TK <sub>91</sub>  | 2002 10 03 | 644 | NEAT           |
| (68943) | 2002 PZ <sub>126</sub> | 2002 08 14 | 704 | LINEAR                                | (68995) | 2002 TF <sub>112</sub> | 2002 10 03 | 704 | LINEAR         |
| (68944) | 2002 PQ <sub>130</sub> | 2002 08 15 | 704 | LINEAR                                | (68996) | 2002 TN <sub>135</sub> | 2002 10 04 | 704 | LINEAR         |
| (68945) | 2002 PF <sub>132</sub> | 2002 08 14 | 704 | LINEAR                                | (68997) | 2002 TE <sub>136</sub> | 2002 10 04 | 699 | LONEOS         |
| (68946) | 2002 PX <sub>138</sub> | 2002 08 11 | 608 | NEAT                                  | (68998) | 2002 TC <sub>157</sub> | 2002 10 05 | 644 | NEAT           |
| (68947) | 2002 PW <sub>156</sub> | 2002 08 08 | 644 | Hoenig on Palomar NEAT images., S. F. | (68999) | 2002 TQ <sub>157</sub> | 2002 10 05 | 644 | NEAT           |
| (68948) | 2002 PX <sub>157</sub> | 2002 08 08 | 644 | Hoenig on Palomar NEAT images., S. F. | (69000) | 2002 TL <sub>173</sub> | 2002 10 04 | 704 | LINEAR         |
| (68949) | 2002 QN <sub>6</sub>   | 2002 08 19 | 049 | Uppsala-DLR Asteroid Survey           | (69001) | 2002 TM <sub>173</sub> | 2002 10 04 | 704 | LINEAR         |
| (68950) | 2002 QF <sub>15</sub>  | 2002 08 27 | 704 | LINEAR                                | (69002) | 2002 TX <sub>181</sub> | 2002 10 03 | 704 | LINEAR         |
| (68951) | 2002 QH <sub>27</sub>  | 2002 08 28 | 644 | NEAT                                  | (69003) | 2002 TK <sub>196</sub> | 2002 10 03 | 704 | LINEAR         |
| (68952) | 2002 QC <sub>29</sub>  | 2002 08 29 | 644 | NEAT                                  | (69004) | 2002 TL <sub>198</sub> | 2002 10 05 | 291 | Spacewatch     |
| (68953) | 2002 RS                | 2002 09 03 | 460 | Clingan, R.                           | (69005) | 2002 TZ <sub>207</sub> | 2002 10 04 | 704 | LINEAR         |
| (68954) | 2002 RB <sub>3</sub>   | 2002 09 04 | 699 | LONEOS                                | (69006) | 2002 TS <sub>212</sub> | 2002 10 07 | 608 | NEAT           |
| (68955) | 2002 RR <sub>12</sub>  | 2002 09 04 | 699 | LONEOS                                | (69007) | 2002 TN <sub>217</sub> | 2002 10 07 | 704 | LINEAR         |
| (68956) | 2002 RD <sub>18</sub>  | 2002 09 04 | 699 | LONEOS                                | (69008) | 2002 TV <sub>240</sub> | 2002 10 06 | 608 | NEAT           |
| (68957) | 2002 RE <sub>25</sub>  | 2002 09 04 | 699 | LONEOS                                | (69009) | 2002 TJ <sub>250</sub> | 2002 10 07 | 699 | LONEOS         |
| (68958) | 2002 RT <sub>32</sub>  | 2002 09 04 | 699 | LONEOS                                | (69010) | 2002 TD <sub>256</sub> | 2002 10 09 | 704 | LINEAR         |
| (68959) | 2002 RX <sub>45</sub>  | 2002 09 05 | 704 | LINEAR                                | (69011) | 2002 TF <sub>259</sub> | 2002 10 09 | 704 | LINEAR         |
| (68960) | 2002 RE <sub>49</sub>  | 2002 09 05 | 704 | LINEAR                                | (69012) | 2002 TC <sub>284</sub> | 2002 10 10 | 704 | LINEAR         |
| (68961) | 2002 RE <sub>50</sub>  | 2002 09 05 | 704 | LINEAR                                | (69013) | 2002 TP <sub>290</sub> | 2002 10 10 | 704 | LINEAR         |
| (68962) | 2002 RC <sub>52</sub>  | 2002 09 05 | 704 | LINEAR                                | (69014) | 2002 UD <sub>1</sub>   | 2002 10 24 | 608 | NEAT           |
| (68963) | 2002 RO <sub>63</sub>  | 2002 09 05 | 704 | LINEAR                                | (69015) | 2002 UE <sub>26</sub>  | 2002 10 31 | 704 | LINEAR         |
| (68964) | 2002 RV <sub>75</sub>  | 2002 09 05 | 704 | LINEAR                                | (69016) | 2002 UX <sub>32</sub>  | 2002 10 31 | 699 | LONEOS         |
| (68965) | 2002 RH <sub>88</sub>  | 2002 09 05 | 704 | LINEAR                                | (69017) | 2002 UK <sub>49</sub>  | 2002 10 31 | 704 | LINEAR         |
| (68966) | 2002 RA <sub>94</sub>  | 2002 09 05 | 704 | LINEAR                                | (69018) | 2002 VH <sub>24</sub>  | 2002 11 05 | 678 | Fountain Hills |
| (68967) | 2002 RN <sub>95</sub>  | 2002 09 05 | 704 | LINEAR                                | (69019) | 2002 VA <sub>35</sub>  | 2002 11 05 | 704 | LINEAR         |
| (68968) | 2002 RS <sub>101</sub> | 2002 09 05 | 704 | LINEAR                                | (69020) | 2002 VU <sub>51</sub>  | 2002 11 06 | 699 | LONEOS         |
| (68969) | 2002 RW <sub>101</sub> | 2002 09 05 | 704 | LINEAR                                | (69021) | 2002 VR <sub>53</sub>  | 2002 11 06 | 704 | LINEAR         |
| (68970) | 2002 RK <sub>102</sub> | 2002 09 05 | 704 | LINEAR                                | (69022) | 2002 VS <sub>62</sub>  | 2002 11 05 | 699 | LONEOS         |
| (68971) | 2002 RK <sub>104</sub> | 2002 09 05 | 704 | LINEAR                                | (69023) | 2002 VY <sub>63</sub>  | 2002 11 06 | 699 | LONEOS         |

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|---------|------------------------|------------|-----|------------|---------|-----------------------|------------|-----|-----------------|
| (69024) | 2002 VH <sub>70</sub>  | 2002 11 07 | 704 | LINEAR     | (69076) | 2003 AC <sub>53</sub> | 2003 01 05 | 704 | LINEAR          |
| (69025) | 2002 VS <sub>84</sub>  | 2002 11 07 | 704 | LINEAR     | (69077) | 2003 AR <sub>53</sub> | 2003 01 05 | 704 | LINEAR          |
| (69026) | 2002 VL <sub>93</sub>  | 2002 11 11 | 636 | Essen      | (69078) | 2003 AO <sub>55</sub> | 2003 01 05 | 704 | LINEAR          |
| (69027) | 2002 VW <sub>95</sub>  | 2002 11 11 | 699 | LONEOS     | (69079) | 2003 AS <sub>60</sub> | 2003 01 07 | 704 | LINEAR          |
| (69028) | 2002 VG <sub>109</sub> | 2002 11 12 | 704 | LINEAR     | (69080) | 2003 AA <sub>62</sub> | 2003 01 07 | 704 | LINEAR          |
| (69029) | 2002 VT <sub>119</sub> | 2002 11 12 | 704 | LINEAR     | (69081) | 2003 AZ <sub>64</sub> | 2003 01 07 | 704 | LINEAR          |
| (69030) | 2002 WD <sub>9</sub>   | 2002 11 24 | 699 | LONEOS     | (69082) | 2003 AY <sub>75</sub> | 2003 01 10 | 704 | LINEAR          |
| (69031) | 2002 WX <sub>16</sub>  | 2002 11 28 | 608 | NEAT       | (69083) | 2003 AX <sub>77</sub> | 2003 01 10 | 704 | LINEAR          |
| (69032) | 2002 WG <sub>17</sub>  | 2002 11 28 | 608 | NEAT       | (69084) | 2003 BB               | 2003 01 16 | 644 | NEAT            |
| (69033) | 2002 XA <sub>2</sub>   | 2002 12 01 | 704 | LINEAR     | (69085) | 2003 BE <sub>2</sub>  | 2003 01 25 | 699 | LONEOS          |
| (69034) | 2002 XE <sub>15</sub>  | 2002 12 02 | 704 | LINEAR     | (69086) | 2003 BU <sub>6</sub>  | 2003 01 25 | 699 | LONEOS          |
| (69035) | 2002 XR <sub>30</sub>  | 2002 12 06 | 704 | LINEAR     | (69087) | 2003 BQ <sub>11</sub> | 2003 01 26 | 699 | LONEOS          |
| (69036) | 2002 XN <sub>31</sub>  | 2002 12 06 | 704 | LINEAR     | (69088) | 2003 BS <sub>17</sub> | 2003 01 27 | 704 | LINEAR          |
| (69037) | 2002 XD <sub>43</sub>  | 2002 12 09 | 291 | Spacewatch | (69089) | 2003 BN <sub>18</sub> | 2003 01 27 | 699 | LONEOS          |
| (69038) | 2002 XU <sub>44</sub>  | 2002 12 07 | 644 | NEAT       | (69090) | 2003 BH <sub>20</sub> | 2003 01 27 | 699 | LONEOS          |
| (69039) | 2002 XG <sub>47</sub>  | 2002 12 08 | 608 | NEAT       | (69091) | 2003 BE <sub>25</sub> | 2003 01 25 | 644 | NEAT            |
| (69040) | 2002 XH <sub>47</sub>  | 2002 12 08 | 608 | NEAT       | (69092) | 2003 BQ <sub>25</sub> | 2003 01 26 | 644 | NEAT            |
| (69041) | 2002 XF <sub>49</sub>  | 2002 12 10 | 704 | LINEAR     | (69093) | 2003 BM <sub>48</sub> | 2003 01 26 | 699 | LONEOS          |
| (69042) | 2002 XY <sub>51</sub>  | 2002 12 10 | 704 | LINEAR     | (69094) | 2003 BA <sub>49</sub> | 2003 01 26 | 608 | NEAT            |
| (69043) | 2002 XJ <sub>55</sub>  | 2002 12 10 | 644 | NEAT       | (69095) | 2003 BE <sub>53</sub> | 2003 01 27 | 704 | LINEAR          |
| (69044) | 2002 XP <sub>57</sub>  | 2002 12 10 | 644 | NEAT       | (69096) | 2003 BG <sub>54</sub> | 2003 01 27 | 644 | NEAT            |
| (69045) | 2002 XN <sub>59</sub>  | 2002 12 11 | 704 | LINEAR     | (69097) | 2003 BR <sub>54</sub> | 2003 01 27 | 644 | NEAT            |
| (69046) | 2002 XV <sub>61</sub>  | 2002 12 10 | 644 | NEAT       | (69098) | 2003 BZ <sub>59</sub> | 2003 01 27 | 704 | LINEAR          |
| (69047) | 2002 XM <sub>68</sub>  | 2002 12 12 | 608 | NEAT       | (69099) | 2003 BA <sub>63</sub> | 2003 01 28 | 704 | LINEAR          |
| (69048) | 2002 XR <sub>70</sub>  | 2002 12 10 | 704 | LINEAR     | (69100) | 2003 BM <sub>68</sub> | 2003 01 28 | 704 | LINEAR          |
| (69049) | 2002 XP <sub>76</sub>  | 2002 12 11 | 704 | LINEAR     | (69101) | 2003 BJ <sub>72</sub> | 2003 01 28 | 644 | NEAT            |
| (69050) | 2002 XE <sub>78</sub>  | 2002 12 11 | 644 | NEAT       | (69102) | 2003 BB <sub>73</sub> | 2003 01 28 | 644 | NEAT            |
| (69051) | 2002 XT <sub>79</sub>  | 2002 12 11 | 704 | LINEAR     | (69103) | 2003 BG <sub>80</sub> | 2003 01 31 | 699 | LONEOS          |
| (69052) | 2002 XC <sub>82</sub>  | 2002 12 11 | 644 | NEAT       | (69104) | 2003 BG <sub>84</sub> | 2003 01 31 | 704 | LINEAR          |
| (69053) | 2002 YJ <sub>3</sub>   | 2002 12 27 | 699 | LONEOS     | (69105) | 2003 BR <sub>88</sub> | 2003 01 27 | 704 | LINEAR          |
| (69054) | 2002 YP <sub>6</sub>   | 2002 12 28 | 699 | LONEOS     | (69106) | 2003 CC <sub>3</sub>  | 2003 02 02 | 704 | LINEAR          |
| (69055) | 2002 YE <sub>7</sub>   | 2002 12 28 | 699 | LONEOS     | (69107) | 2003 CG <sub>8</sub>  | 2003 02 01 | 704 | LINEAR          |
| (69056) | 2002 YE <sub>8</sub>   | 2002 12 28 | 291 | Spacewatch | (69108) | 2003 CH <sub>8</sub>  | 2003 02 01 | 704 | LINEAR          |
| (69057) | 2002 YA <sub>13</sub>  | 2002 12 31 | 704 | LINEAR     | (69109) | 2003 CM <sub>8</sub>  | 2003 02 01 | 291 | Spacewatch      |
| (69058) | 2002 YV <sub>14</sub>  | 2002 12 31 | 291 | Spacewatch | (69110) | 2003 CK <sub>10</sub> | 2003 02 02 | 704 | LINEAR          |
| (69059) | 2002 YL <sub>18</sub>  | 2002 12 31 | 704 | LINEAR     | (69111) | 2003 CE <sub>17</sub> | 2003 02 07 | 333 | Yeung, W. K. Y. |
| (69060) | 2002 YO <sub>20</sub>  | 2002 12 31 | 704 | LINEAR     | (69112) | 2003 DO <sub>4</sub>  | 2003 02 21 | 644 | NEAT            |
| (69061) | 2002 YN <sub>28</sub>  | 2002 12 31 | 704 | LINEAR     | (69113) | 2003 DG <sub>10</sub> | 2003 02 22 | 644 | NEAT            |
| (69062) | 2002 YF <sub>29</sub>  | 2002 12 31 | 704 | LINEAR     | (69114) | 2003 DV <sub>17</sub> | 2003 02 26 | 608 | NEAT            |
| (69063) | 2002 YG <sub>32</sub>  | 2002 12 30 | 608 | NEAT       | (69115) | 2003 DD <sub>21</sub> | 2003 02 22 | 644 | NEAT            |
| (69064) | 2003 AZ <sub>7</sub>   | 2003 01 02 | 699 | LONEOS     | (69116) | 2003 EX <sub>1</sub>  | 2003 03 03 | 608 | NEAT            |
| (69065) | 2003 AY <sub>11</sub>  | 2003 01 01 | 704 | LINEAR     | (69117) | 2003 EX <sub>2</sub>  | 2003 03 06 | 704 | LINEAR          |
| (69066) | 2003 AY <sub>28</sub>  | 2003 01 04 | 704 | LINEAR     | (69118) | 2003 EK <sub>16</sub> | 2003 03 08 | 428 | Broughton, J.   |
| (69067) | 2003 AJ <sub>30</sub>  | 2003 01 04 | 704 | LINEAR     | (69119) | 2003 EA <sub>21</sub> | 2003 03 06 | 699 | LONEOS          |
| (69068) | 2003 AO <sub>32</sub>  | 2003 01 05 | 704 | LINEAR     | (69120) | 2003 ET <sub>23</sub> | 2003 03 06 | 704 | LINEAR          |
| (69069) | 2003 AR <sub>37</sub>  | 2003 01 07 | 704 | LINEAR     | (69121) | 2003 EJ <sub>26</sub> | 2003 03 06 | 699 | LONEOS          |
| (69070) | 2003 AQ <sub>38</sub>  | 2003 01 07 | 704 | LINEAR     | (69122) | 2003 EZ <sub>30</sub> | 2003 03 06 | 644 | NEAT            |
| (69071) | 2003 AR <sub>39</sub>  | 2003 01 07 | 704 | LINEAR     | (69123) | 2003 EP <sub>39</sub> | 2003 03 08 | 704 | LINEAR          |
| (69072) | 2003 AG <sub>41</sub>  | 2003 01 07 | 704 | LINEAR     | (69124) | 2003 EQ <sub>39</sub> | 2003 03 08 | 704 | LINEAR          |
| (69073) | 2003 AB <sub>43</sub>  | 2003 01 05 | 704 | LINEAR     | (69125) | 2003 EK <sub>43</sub> | 2003 03 10 | 291 | Spacewatch      |
| (69074) | 2003 AC <sub>43</sub>  | 2003 01 05 | 704 | LINEAR     | (69126) | 2003 EC <sub>60</sub> | 2003 03 07 | 683 | Tucker, R. A.   |
| (69075) | 2003 AZ <sub>52</sub>  | 2003 01 05 | 699 | LONEOS     | (69127) | 2003 FK <sub>12</sub> | 2003 03 22 | 644 | NEAT            |

|         |                        |            |     |                      |
|---------|------------------------|------------|-----|----------------------|
| (69128) | 2003 FR <sub>16</sub>  | 2003 03 23 | 608 | NEAT                 |
| (69129) | 2003 FG <sub>21</sub>  | 2003 03 24 | 691 | Spacewatch           |
| (69130) | 2003 FC <sub>39</sub>  | 2003 03 23 | 608 | NEAT                 |
| (69131) | 2003 FP <sub>47</sub>  | 2003 03 24 | 291 | Spacewatch           |
| (69132) | 2003 FG <sub>49</sub>  | 2003 03 24 | 691 | Spacewatch           |
| (69133) | 2003 FK <sub>54</sub>  | 2003 03 25 | 644 | NEAT                 |
| (69134) | 2003 FJ <sub>70</sub>  | 2003 03 26 | 691 | Spacewatch           |
| (69135) | 2003 FP <sub>74</sub>  | 2003 03 26 | 644 | NEAT                 |
| (69136) | 2003 FE <sub>85</sub>  | 2003 03 28 | 691 | Spacewatch           |
| (69137) | 2003 FS <sub>87</sub>  | 2003 03 28 | 644 | NEAT                 |
| (69138) | 2003 FY <sub>90</sub>  | 2003 03 29 | 699 | LONEOS               |
| (69139) | 2003 FH <sub>91</sub>  | 2003 03 29 | 699 | LONEOS               |
| (69140) | 2003 FB <sub>100</sub> | 2003 03 31 | 699 | LONEOS               |
| (69141) | 2003 FT <sub>112</sub> | 2003 03 31 | 704 | LINEAR               |
| (69142) | 2003 FL <sub>115</sub> | 2003 03 31 | 704 | LINEAR               |
| (69143) | 2003 FN <sub>115</sub> | 2003 03 31 | 704 | LINEAR               |
| (69144) | 2003 FU <sub>115</sub> | 2003 03 31 | 704 | LINEAR               |
| (69145) | 2003 FF <sub>119</sub> | 2003 03 26 | 699 | LONEOS               |
| (69146) | 2003 FV <sub>121</sub> | 2003 03 25 | 699 | LONEOS               |
| (69147) | 2003 GR <sub>1</sub>   | 2003 04 01 | 704 | LINEAR               |
| (69148) | 2003 GH <sub>8</sub>   | 2003 04 03 | 699 | LONEOS               |
| (69149) | 2003 GQ <sub>12</sub>  | 2003 04 01 | 704 | LINEAR               |
| (69150) | 2003 GZ <sub>15</sub>  | 2003 04 05 | 608 | NEAT                 |
| (69151) | 2003 GZ <sub>41</sub>  | 2003 04 07 | 644 | NEAT                 |
| (69152) | 2003 GL <sub>50</sub>  | 2003 04 04 | 608 | NEAT                 |
| (69153) | 2003 HJ <sub>22</sub>  | 2003 04 27 | 699 | LONEOS               |
| (69154) | 2003 HZ <sub>50</sub>  | 2003 04 28 | 691 | Spacewatch           |
| (69155) | 2003 HL <sub>52</sub>  | 2003 04 30 | 608 | NEAT                 |
| (69156) | 2003 JH <sub>1</sub>   | 2003 05 01 | 704 | LINEAR               |
| (69157) | 2003 JZ <sub>3</sub>   | 2003 05 03 | 428 | Broughton, J.        |
| (69158) | 2003 JR <sub>13</sub>  | 2003 05 05 | 699 | LONEOS               |
| (69159) | 2003 JE <sub>16</sub>  | 2003 05 07 | 703 | CSS                  |
| (69160) | 2029 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69161) | 2203 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69162) | 2736 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69163) | 2744 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69164) | 3031 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69165) | 3044 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69166) | 3075 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69167) | 3082 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69168) | 3515 P-L               | 1960 10 17 | 675 | van Houten & Gehrels |
| (69169) | 4066 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69170) | 4199 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69171) | 4230 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69172) | 4283 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69173) | 4304 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69174) | 4514 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69175) | 4550 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69176) | 4602 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69177) | 4618 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69178) | 4729 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |
| (69179) | 4756 P-L               | 1960 09 24 | 675 | van Houten & Gehrels |

|         |          |            |     |                      |
|---------|----------|------------|-----|----------------------|
| (69180) | 4770 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69181) | 4821 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69182) | 4850 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69183) | 6638 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69184) | 6705 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69185) | 6739 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69186) | 6783 P-L | 1960 09 24 | 675 | van Houten & Gehrels |
| (69187) | 1178 T-1 | 1971 03 25 | 675 | van Houten & Gehrels |
| (69188) | 1258 T-1 | 1971 03 25 | 675 | van Houten & Gehrels |
| (69189) | 1263 T-1 | 1971 03 25 | 675 | van Houten & Gehrels |
| (69190) | 2027 T-1 | 1971 03 25 | 675 | van Houten & Gehrels |
| (69191) | 2143 T-1 | 1971 03 25 | 675 | van Houten & Gehrels |
| (69192) | 3172 T-1 | 1971 03 26 | 675 | van Houten & Gehrels |
| (69193) | 3326 T-1 | 1971 03 26 | 675 | van Houten & Gehrels |
| (69194) | 1118 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69195) | 1164 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69196) | 1216 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69197) | 1238 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69198) | 1255 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69199) | 1278 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69200) | 1300 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69201) | 1323 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69202) | 2026 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69203) | 2088 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69204) | 2139 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69205) | 2156 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69206) | 2167 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69207) | 3004 T-2 | 1973 09 30 | 675 | van Houten & Gehrels |
| (69208) | 3078 T-2 | 1973 09 30 | 675 | van Houten & Gehrels |
| (69209) | 3300 T-2 | 1973 09 30 | 675 | van Houten & Gehrels |
| (69210) | 3356 T-2 | 1973 09 25 | 675 | van Houten & Gehrels |
| (69211) | 4098 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69212) | 4287 T-2 | 1973 09 29 | 675 | van Houten & Gehrels |
| (69213) | 4616 T-2 | 1973 09 30 | 675 | van Houten & Gehrels |
| (69214) | 5067 T-2 | 1973 09 25 | 675 | van Houten & Gehrels |
| (69215) | 5099 T-2 | 1973 09 25 | 675 | van Houten & Gehrels |
| (69216) | 1108 T-3 | 1977 10 17 | 675 | van Houten & Gehrels |
| (69217) | 2135 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69218) | 2330 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69219) | 2364 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69220) | 3030 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69221) | 3528 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69222) | 4210 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69223) | 4331 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69224) | 4388 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69225) | 5043 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69226) | 5129 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69227) | 5139 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69228) | 5173 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |
| (69229) | 5188 T-3 | 1977 10 16 | 675 | van Houten & Gehrels |

Orbital elements for the newly-numbered objects listed above at the current 200-day standard epoch (2003 June 10 TT):

| Object  | <i>H</i> | <i>M</i>  | $\omega$  | $\Omega$  | <i>i</i> | <i>e</i>  | <i>a</i>  | <i>MPO</i> |         |      |           |           |           |          |           |           |       |  |  |
|---------|----------|-----------|-----------|-----------|----------|-----------|-----------|------------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|--|--|
| (65635) | 14.8     | 115.20322 | 201.87461 | 355.59807 | 15.13151 | 0.0546958 | 2.5691258 | 48397      | (65686) | 13.8 | 146.65140 | 167.62185 | 186.93840 | 4.19880  | 0.2059258 | 3.0606689 | 48415 |  |  |
| (65636) | 16.0     | 316.19384 | 85.44841  | 271.42254 | 5.20239  | 0.1276991 | 2.2642881 | 48397      | (65687) | 15.4 | 159.93981 | 195.34008 | 235.67881 | 1.68660  | 0.2262175 | 2.3568413 | 48416 |  |  |
| (65637) | 14.3     | 331.73966 | 288.54323 | 53.96697  | 21.99397 | 0.1065083 | 1.9371224 | 48397      | (65688) | 14.7 | 325.03065 | 85.35319  | 290.13676 | 3.43241  | 0.2810441 | 2.6856231 | 48416 |  |  |
| (65638) | 14.0     | 343.58725 | 52.88332  | 307.36293 | 9.92455  | 0.2055833 | 2.5569393 | 48398      | (65689) | 15.6 | 316.50502 | 237.82163 | 118.91762 | 5.32705  | 0.1750222 | 2.2410408 | 48417 |  |  |
| (65639) | 14.4     | 354.50889 | 28.00329  | 290.75831 | 10.34801 | 0.0778732 | 2.5857125 | 48398      | (65690) | 19.1 | 23.98734  | 63.18132  | 180.26577 | 11.14986 | 0.3628048 | 1.4270579 | 48417 |  |  |
| (65640) | 15.0     | 267.34596 | 97.27860  | 336.88464 | 21.84853 | 0.1316127 | 2.5459460 | 48399      | (65691) | 15.6 | 323.84229 | 68.54254  | 282.15124 | 3.09580  | 0.2642216 | 2.5404415 | 48417 |  |  |
| (65641) | 14.8     | 290.16475 | 106.37036 | 287.00309 | 8.11318  | 0.1849830 | 2.5593786 | 48399      | (65692) | 15.5 | 346.16553 | 353.25446 | 328.37344 | 6.28134  | 0.1941795 | 2.5461336 | 48418 |  |  |
| (65642) | 15.8     | 160.44365 | 242.23219 | 276.70971 | 7.22901  | 0.0466699 | 2.2941193 | 48400      | (65693) | 12.7 | 355.82317 | 34.37938  | 322.21647 | 22.42018 | 0.1266626 | 3.1850201 | 48418 |  |  |
| (65643) | 16.6     | 358.83260 | 347.61792 | 261.10416 | 4.24209  | 0.1642680 | 2.3582576 | 48400      | (65694) | 16.3 | 99.55210  | 240.01634 | 153.20270 | 2.71515  | 0.1826297 | 2.3103644 | 48418 |  |  |
| (65644) | 17.1     | 78.25522  | 255.37737 | 215.50436 | 6.13882  | 0.0697458 | 2.3817902 | 48400      | (65695) | 16.0 | 48.17175  | 199.58335 | 194.32812 | 6.53934  | 0.1138798 | 2.3925887 | 48419 |  |  |
| (65645) | 15.3     | 148.72283 | 209.45272 | 311.77872 | 6.36857  | 0.0518534 | 2.3025647 | 48400      | (65696) | 15.2 | 215.16537 | 300.80024 | 44.03126  | 9.10507  | 0.1187270 | 2.8073536 | 48419 |  |  |
| (65646) | 16.0     | 82.73956  | 21.47576  | 175.48143 | 27.91670 | 0.1347445 | 1.9326190 | 48401      | (65697) | 16.0 | 301.92629 | 145.83594 | 196.99513 | 2.67054  | 0.1415125 | 2.6378575 | 48419 |  |  |
| (65647) | 14.4     | 0.34955   | 354.80378 | 342.11003 | 26.02351 | 0.1503921 | 2.2883678 | 48401      | (65698) | 16.3 | 265.35791 | 256.47646 | 181.24789 | 5.40226  | 0.3356772 | 2.5928011 | 48419 |  |  |
| (65648) | 15.8     | 276.98912 | 97.89510  | 303.44682 | 7.05532  | 0.1150075 | 2.2915015 | 48401      | (65699) | 15.2 | 311.54540 | 293.42851 | 118.38056 | 4.82773  | 0.2238477 | 2.5389876 | 48420 |  |  |
| (65649) | 15.3     | 14.01804  | 13.60097  | 319.85629 | 6.50773  | 0.1640742 | 2.5531911 | 48402      | (65700) | 15.4 | 22.28605  | 217.47330 | 194.69445 | 9.59360  | 0.1410673 | 2.4307141 | 48420 |  |  |
| (65650) | 15.9     | 260.69611 | 151.74873 | 162.92181 | 6.79789  | 0.1517848 | 2.3750206 | 48402      | (65701) | 14.1 | 17.06858  | 196.33519 | 243.41107 | 6.73562  | 0.1737621 | 3.2116875 | 48420 |  |  |
| (65651) | 14.5     | 8.47095   | 315.76160 | 356.20619 | 17.01606 | 0.2040765 | 2.9662412 | 48402      | (65702) | 16.0 | 18.30367  | 57.66570  | 149.20639 | 11.74233 | 0.1293194 | 2.3345185 | 48421 |  |  |
| (65652) | 16.2     | 4.52848   | 84.40167  | 166.50920 | 2.45770  | 0.1935944 | 2.3541444 | 48403      | (65703) | 15.7 | 354.21068 | 14.82254  | 145.08289 | 9.96502  | 0.0476266 | 3.1759677 | 48421 |  |  |
| (65653) | 16.8     | 56.35615  | 62.87949  | 178.80541 | 5.94991  | 0.1113800 | 2.3157247 | 48403      | (65704) | 15.1 | 41.05060  | 61.38606  | 182.77983 | 3.07121  | 0.1452685 | 2.8897955 | 48421 |  |  |
| (65654) | 15.9     | 305.01912 | 318.63622 | 53.92200  | 2.41849  | 0.1528032 | 2.2953118 | 48403      | (65705) | 13.4 | 134.65237 | 103.56019 | 216.26716 | 11.33743 | 0.1819027 | 2.6304474 | 48422 |  |  |
| (65655) | 15.6     | 318.78682 | 97.08979  | 178.12465 | 12.32979 | 0.1801716 | 2.6713440 | 48404      | (65706) | 16.7 | 325.20424 | 7.87890   | 349.53689 | 9.75812  | 0.5600996 | 2.3913629 | 48422 |  |  |
| (65656) | 15.8     | 299.99702 | 193.20288 | 159.70277 | 10.48015 | 0.3096722 | 2.7215235 | 48404      | (65707) | 15.0 | 345.51272 | 32.35212  | 305.12095 | 6.30913  | 0.1398465 | 2.3557446 | 48423 |  |  |
| (65657) | 14.5     | 289.55422 | 154.58494 | 182.61879 | 11.57555 | 0.2726893 | 2.6429663 | 48404      | (65708) | 16.1 | 322.75101 | 356.32376 | 2.40183   | 2.81008  | 0.1915992 | 2.3942285 | 48423 |  |  |
| (65658) | 15.6     | 307.79964 | 35.38941  | 341.06121 | 3.91541  | 0.2924514 | 2.6322928 | 48405      | (65709) | 14.7 | 333.10224 | 155.80961 | 181.59075 | 3.10959  | 0.2410568 | 3.1605630 | 48423 |  |  |
| (65659) | 14.5     | 311.19367 | 192.70953 | 237.54267 | 6.24283  | 0.1802978 | 2.5246328 | 48405      | (65710) | 16.3 | 317.59804 | 164.70396 | 195.32860 | 2.00148  | 0.1925177 | 2.3882843 | 48424 |  |  |
| (65660) | 14.9     | 323.10179 | 189.43937 | 162.54837 | 17.17628 | 0.3259205 | 2.7425160 | 48405      | (65711) | 16.3 | 331.79564 | 81.19816  | 253.18090 | 1.20058  | 0.2121981 | 2.3926378 | 48424 |  |  |
| (65661) | 14.0     | 94.72927  | 186.73916 | 135.92458 | 25.83195 | 0.2398189 | 3.1224397 | 48406      | (65712) | 15.2 | 357.00055 | 148.25289 | 181.79505 | 10.33515 | 0.2302183 | 3.1300821 | 48424 |  |  |
| (65662) | 15.8     | 276.32432 | 263.45344 | 133.41387 | 8.53293  | 0.1997253 | 2.2772489 | 48406      | (65713) | 14.4 | 281.12277 | 56.00666  | 30.79240  | 7.31439  | 0.1821748 | 2.3797240 | 48425 |  |  |
| (65663) | 14.4     | 299.12240 | 57.29735  | 356.01206 | 7.63274  | 0.0926060 | 2.2378616 | 48406      | (65714) | 15.7 | 270.87286 | 218.29487 | 179.59187 | 1.74675  | 0.1608078 | 2.4663459 | 48425 |  |  |
| (65664) | 14.8     | 5.70700   | 344.41545 | 343.95843 | 10.51553 | 0.1646833 | 2.5938660 | 48407      | (65715) | 15.5 | 299.14314 | 13.90687  | 58.30776  | 3.66786  | 0.1886179 | 2.3862788 | 48425 |  |  |
| (65665) | 13.1     | 317.81413 | 13.27196  | 15.15062  | 14.31321 | 0.2331468 | 3.1877636 | 48407      | (65716) | 15.2 | 291.01622 | 115.28805 | 307.42686 | 9.70086  | 0.1887585 | 2.4674723 | 48426 |  |  |
| (65666) | 15.6     | 350.02213 | 179.48832 | 153.27609 | 2.51988  | 0.1837893 | 2.1626874 | 48408      | (65717) | 21.0 | 117.93363 | 289.86570 | 175.63655 | 2.78882  | 0.1806799 | 1.3946376 | 48426 |  |  |
| (65667) | 13.4     | 339.70415 | 16.91339  | 9.21177   | 15.21326 | 0.2016840 | 3.0394810 | 48408      | (65718) | 16.7 | 340.78312 | 11.09510  | 238.33787 | 0.04528  | 0.1974444 | 2.2283755 | 48426 |  |  |
| (65668) | 13.4     | 251.23335 | 161.66938 | 307.45448 | 12.95830 | 0.1520910 | 2.5985914 | 48408      | (65719) | 15.5 | 79.31519  | 294.53337 | 134.60417 | 7.02330  | 0.0787277 | 2.3088787 | 48426 |  |  |
| (65669) | 14.3     | 159.43830 | 227.88422 | 297.70840 | 13.41219 | 0.1411779 | 2.6916638 | 48409      | (65720) | 15.9 | 29.78935  | 119.17266 | 100.81479 | 5.37052  | 0.0895258 | 2.1875055 | 48427 |  |  |
| (65670) | 14.9     | 309.08801 | 96.13256  | 300.71099 | 10.23260 | 0.1931324 | 2.6291688 | 48409      | (65721) | 16.8 | 54.17689  | 358.37474 | 236.78835 | 2.87134  | 0.1355166 | 2.1436082 | 48427 |  |  |
| (65671) | 15.0     | 238.13125 | 145.49030 | 295.96365 | 10.23998 | 0.1602355 | 2.6729623 | 48410      | (65722) | 14.2 | 250.32712 | 71.11724  | 17.57672  | 13.93187 | 0.1319939 | 2.5897283 | 48427 |  |  |
| (65672) | 15.4     | 13.63026  | 147.84749 | 160.12198 | 24.33131 | 0.2734004 | 2.3863522 | 48410      | (65723) | 16.7 | 340.32742 | 226.67754 | 25.42830  | 2.19123  | 0.1376475 | 2.2172345 | 48428 |  |  |
| (65673) | 15.1     | 349.59087 | 306.15722 | 354.81119 | 6.97222  | 0.2543745 | 2.4205098 | 48410      | (65724) | 15.0 | 21.47532  | 344.56669 | 179.83032 | 7.22959  | 0.0561344 | 2.9555592 | 48428 |  |  |
| (65674) | 18.3     | 325.44048 | 313.10819 | 0.99277   | 10.94875 | 0.3442620 | 1.6643433 | 48411      | (65725) | 15.5 | 211.90839 | 313.01274 | 159.54962 | 8.05135  | 0.1528488 | 2.5985665 | 48428 |  |  |
| (65675) | 14.1     | 148.12022 | 71.73552  | 102.53769 | 2.69649  | 0.1207464 | 3.1865276 | 48411      | (65726) | 14.1 | 25.42953  | 254.37713 | 181.65837 | 15.82095 | 0.1034678 | 3.1894254 | 48429 |  |  |
| (65676) | 13.5     | 308.95228 | 88.93545  | 287.00418 | 14.28542 | 0.2504837 | 3.1330676 | 48411      | (65727) | 13.6 | 174.46061 | 253.57118 | 1.51111   | 17.19380 | 0.0855773 | 3.3793352 | 48429 |  |  |
| (65677) | 12.3     | 209.66617 | 162.86116 | 330.15200 | 17.04023 | 0.0952133 | 3.1414376 | 48412      | (65728) | 15.8 | 333.73938 | 157.91186 | 189.37527 | 14.83270 | 0.1437127 | 2.6569600 | 48429 |  |  |
| (65678) | 16.5     | 346.37902 | 265.40762 | 84.65943  | 3.42326  | 0.1876681 | 2.3035044 | 48412      | (65729) | 15.4 | 62.45974  | 336.05687 | 249.77745 | 7.88669  | 0.2217583 | 2.7983665 | 48429 |  |  |
| (65679) | 19.4     | 52.18533  | 14.94496  | 178.39689 | 1.29148  | 0.2645875 | 0.9147509 | 48412      | (65730) | 14.7 | 138.41359 | 351.54672 | 280.34764 | 14.49380 | 0.1292377 | 2.5387876 | 48430 |  |  |
| (65680) | 14.2     | 12.67179  | 278.06400 | 315.05153 | 8.49058  | 0.1309268 | 2.5929192 | 48413      | (65731) | 16.0 | 201.12786 | 285.11879 | 121.94090 | 5.07190  | 0.1128247 | 2.3055893 | 48430 |  |  |
| (65681) | 15.6     | 80.36539  | 231.30165 | 320.14652 | 10.12006 | 0.1937709 | 2.5477580 | 48413      | (65732) | 14.8 | 351.28875 | 40.59650  | 296.36048 | 14.14598 | 0.1559676 | 2.8476916 | 48430 |  |  |
| (65682) | 16.3     | 320.06946 | 176.93131 | 164.39369 | 7.60191  | 0.2481755 | 2.2111650 | 48414      | (65733) | 18.3 | 153.61653 | 168.14316 | 337.54175 | 4.15756  | 0.4744620 | 1.1543712 | 48430 |  |  |
| (65683) | 14.4     | 347.50692 | 35.97506  | 333.31433 | 14.06722 | 0.1099574 | 2.6071270 | 48414      | (65734) | 15.0 | 339.22583 | 148.98044 | 170.91037 | 10.58937 | 0.1189785 | 2.9683598 | 48431 |  |  |
| (65684) | 14.1     | 313.17591 | 25.83846  | 332.73026 | 12.53691 | 0.1881273 | 2.6822568 | 48415      | (65735) | 15.0 | 322.84433 | 203.74555 | 159.53656 | 10.58198 | 0.1043301 | 2.9440687 | 48431 |  |  |
| (65685) | 15.5     | 267.88450 | 103.83065 | 309.30134 | 4.01759  | 0.1085048 | 2.7222573 | 48415      | (65736) | 16.2 | 350.90931 | 174.85371 | 145.28092 | 2.60307  | 0.1337723 | 2.2345158 | 48431 |  |  |
|         |          |           |           |           |          |           |           |            | (65737) | 15.6 | 344.38468 | 319.07703 | 0.06191   | 6.85589  | 0.2306036 | 2.2488617 | 48432 |  |  |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (65738) | 17.0 | 4.23813   | 84.90865  | 191.78594 | 1.23045  | 0.1606982 | 2.2683833 | 48432 | (65790) | 16.2 | 328.32606 | 197.32005 | 154.14679 | 2.77697  | 0.1487844 | 2.5649701 | 48448 |
| (65739) | 14.7 | 296.25723 | 196.25852 | 191.25249 | 9.66665  | 0.1089438 | 2.9934196 | 48432 | (65791) | 13.3 | 280.58285 | 14.16680  | 48.51456  | 16.25889 | 0.1659746 | 2.6057434 | 48448 |
| (65740) | 15.1 | 334.88901 | 80.17970  | 242.50188 | 4.07019  | 0.0891713 | 3.0922112 | 48433 | (65792) | 15.6 | 334.95242 | 317.09678 | 34.56181  | 5.33334  | 0.2499166 | 2.5751219 | 48449 |
| (65741) | 17.3 | 318.97840 | 306.75919 | 45.08300  | 1.88157  | 0.2062477 | 2.2618805 | 48433 | (65793) | 15.7 | 321.02204 | 68.44246  | 296.68263 | 2.91553  | 0.2546658 | 2.5769862 | 48449 |
| (65742) | 16.9 | 339.14098 | 137.07204 | 185.68619 | 5.06953  | 0.2957753 | 2.2535023 | 48433 | (65794) | 15.6 | 257.18484 | 148.47582 | 284.41256 | 5.42434  | 0.2108550 | 2.7734075 | 48450 |
| (65743) | 16.4 | 359.78006 | 257.20802 | 39.18966  | 5.55804  | 0.1792571 | 2.2696824 | 48434 | (65795) | 15.9 | 55.88556  | 96.38723  | 14.67711  | 0.69643  | 0.1704252 | 3.1956843 | 48450 |
| (65744) | 14.6 | 112.51244 | 176.12695 | 28.94310  | 6.70100  | 0.0682371 | 2.2696254 | 48434 | (65796) | 14.6 | 310.22362 | 116.18447 | 270.82382 | 11.59927 | 0.1871600 | 2.6365537 | 48450 |
| (65745) | 16.5 | 326.01885 | 194.65851 | 147.52196 | 2.74614  | 0.2028706 | 2.2672384 | 48434 | (65797) | 15.6 | 219.03141 | 178.46615 | 275.12412 | 7.18988  | 0.1882600 | 2.7940603 | 48451 |
| (65746) | 14.9 | 324.80557 | 207.32356 | 93.33337  | 2.82659  | 0.1739430 | 3.1379186 | 48435 | (65798) | 15.7 | 268.02270 | 57.93857  | 93.31248  | 3.10976  | 0.1344667 | 2.4577300 | 48451 |
| (65747) | 15.5 | 25.58421  | 332.89176 | 65.15877  | 6.70117  | 0.1702913 | 2.7711383 | 48435 | (65799) | 15.1 | 343.66698 | 62.33139  | 282.84729 | 12.16821 | 0.1979387 | 2.7378911 | 48451 |
| (65748) | 15.8 | 239.53789 | 213.82253 | 171.66102 | 8.44249  | 0.1556423 | 2.3596538 | 48435 | (65800) | 15.8 | 34.44857  | 316.13806 | 65.72241  | 7.10523  | 0.1289461 | 2.3968143 | 48452 |
| (65749) | 16.1 | 341.63534 | 181.67584 | 129.38145 | 5.67585  | 0.1820141 | 2.2858524 | 48436 | (65801) | 15.9 | 27.87937  | 210.66325 | 74.36250  | 3.10743  | 0.0295341 | 2.8631349 | 48452 |
| (65750) | 16.2 | 215.32784 | 293.29797 | 106.36458 | 25.03196 | 0.0866657 | 1.9210320 | 48436 | (65802) | 14.9 | 263.77844 | 311.27142 | 113.95709 | 10.23388 | 0.1647723 | 2.7527192 | 48452 |
| (65751) | 16.3 | 34.43601  | 337.45948 | 295.71851 | 5.11020  | 0.1150984 | 2.4112182 | 48436 | (65803) | 18.4 | 293.81215 | 318.88459 | 73.44057  | 3.39610  | 0.3829474 | 1.6420934 | 48452 |
| (65752) | 14.7 | 263.37989 | 277.71149 | 126.20918 | 5.97760  | 0.1133006 | 2.4293674 | 48437 | (65804) | 15.1 | 312.45141 | 195.12727 | 173.73499 | 10.23311 | 0.0449290 | 3.0558977 | 48453 |
| (65753) | 16.1 | 75.27157  | 66.47729  | 142.71342 | 11.93895 | 0.0966189 | 2.5218511 | 48437 | (65805) | 14.9 | 202.02088 | 224.59446 | 47.14702  | 3.54798  | 0.1072513 | 2.6206969 | 48453 |
| (65754) | 15.3 | 357.93541 | 259.87066 | 47.21105  | 4.43161  | 0.0695840 | 2.4745642 | 48437 | (65806) | 15.4 | 278.45063 | 231.72740 | 41.24873  | 3.36981  | 0.1560076 | 2.4306263 | 48453 |
| (65755) | 15.3 | 322.99154 | 191.85552 | 192.64255 | 6.36446  | 0.1915904 | 2.3167723 | 48438 | (65807) | 16.0 | 42.83012  | 212.44753 | 172.78113 | 2.55347  | 0.0647265 | 2.7672658 | 48454 |
| (65756) | 16.1 | 6.74156   | 132.42955 | 170.73292 | 5.20319  | 0.1342125 | 2.4811086 | 48438 | (65808) | 15.3 | 312.35425 | 73.21539  | 252.82751 | 20.73438 | 0.3263405 | 2.3231442 | 48454 |
| (65757) | 15.6 | 243.61060 | 116.55085 | 340.76257 | 21.45152 | 0.1449298 | 1.9248001 | 48438 | (65809) | 17.2 | 1.54412   | 137.07934 | 179.12063 | 6.79794  | 0.1551543 | 2.3030667 | 48454 |
| (65758) | 14.8 | 23.36477  | 114.59395 | 149.31930 | 9.60754  | 0.1184468 | 2.7660541 | 48439 | (65810) | 16.9 | 15.73033  | 62.81275  | 225.41628 | 5.35674  | 0.1394596 | 2.3173705 | 48455 |
| (65759) | 15.9 | 328.40928 | 171.82346 | 179.54152 | 3.75569  | 0.0843066 | 2.7246239 | 48439 | (65811) | 12.9 | 99.96200  | 224.86516 | 233.12347 | 4.82401  | 0.0151808 | 5.1448022 | 48455 |
| (65760) | 16.0 | 309.89685 | 200.28951 | 159.75771 | 9.74753  | 0.1682989 | 2.7776198 | 48439 | (65812) | 15.5 | 103.87301 | 233.23915 | 77.21220  | 2.41599  | 0.1570692 | 3.1505477 | 48455 |
| (65761) | 15.7 | 273.64148 | 239.56992 | 176.36206 | 10.32098 | 0.1753582 | 2.8052272 | 48439 | (65813) | 15.1 | 320.80706 | 104.19080 | 279.36628 | 18.15223 | 0.1899821 | 2.3118890 | 48455 |
| (65762) | 15.5 | 336.30324 | 138.24016 | 234.51750 | 2.64868  | 0.2010570 | 2.6705451 | 48440 | (65814) | 14.6 | 127.12257 | 70.50435  | 9.29206   | 22.15515 | 0.0466463 | 2.6461259 | 48456 |
| (65763) | 16.9 | 37.82221  | 240.22781 | 211.45937 | 1.78684  | 0.1626399 | 2.4248920 | 48440 | (65815) | 16.1 | 352.64388 | 57.08835  | 241.46651 | 1.93468  | 0.1137664 | 2.4378185 | 48456 |
| (65764) | 15.0 | 322.24289 | 183.06050 | 210.13743 | 10.34717 | 0.3593109 | 2.7379115 | 48440 | (65816) | 16.4 | 288.04948 | 240.05101 | 156.90523 | 6.66750  | 0.1160197 | 2.3661554 | 48456 |
| (65765) | 15.1 | 124.88626 | 298.69270 | 52.03363  | 3.38620  | 0.1863425 | 2.4449252 | 48441 | (65817) | 16.0 | 5.65033   | 48.26645  | 248.78728 | 4.28151  | 0.2800361 | 2.3086960 | 48457 |
| (65766) | 14.5 | 346.01163 | 310.39880 | 60.66044  | 10.10427 | 0.1746535 | 2.7827674 | 48441 | (65818) | 16.3 | 261.97794 | 265.61822 | 144.77827 | 2.82091  | 0.1803455 | 2.3821151 | 48457 |
| (65767) | 16.2 | 318.58403 | 213.16044 | 124.49209 | 4.18651  | 0.1787174 | 2.2815097 | 48441 | (65819) | 15.2 | 84.94825  | 246.23228 | 107.41441 | 2.87713  | 0.1175195 | 3.1140889 | 48457 |
| (65768) | 14.4 | 5.01739   | 303.49975 | 40.24609  | 1.91431  | 0.1923085 | 3.1303755 | 48442 | (65820) | 17.2 | 309.64908 | 231.39179 | 136.31459 | 3.57466  | 0.2415479 | 2.3424644 | 48458 |
| (65769) | 13.3 | 230.14395 | 151.92784 | 357.03948 | 19.42596 | 0.1912730 | 2.9729716 | 48442 | (65821) | 13.9 | 293.69888 | 104.33511 | 302.45784 | 4.29713  | 0.2280736 | 4.0081963 | 48458 |
| (65770) | 15.5 | 322.40281 | 102.65044 | 95.10162  | 11.82275 | 0.0575686 | 2.7013327 | 48442 | (65822) | 16.3 | 278.15284 | 229.93301 | 184.14581 | 2.67251  | 0.1838348 | 2.3780620 | 48458 |
| (65771) | 16.5 | 176.08008 | 272.18445 | 218.90025 | 5.91635  | 0.0601844 | 2.3506892 | 48442 | (65823) | 16.0 | 325.44209 | 57.60836  | 267.99338 | 7.21670  | 0.1474126 | 2.4090043 | 48459 |
| (65772) | 15.6 | 95.46321  | 336.20405 | 161.01742 | 11.35126 | 0.1577988 | 2.6765986 | 48443 | (65824) | 15.5 | 7.78520   | 8.35316   | 292.06857 | 6.15688  | 0.1661924 | 2.3549622 | 48459 |
| (65773) | 15.4 | 87.26855  | 158.35320 | 269.24065 | 9.33310  | 0.0812652 | 2.9710825 | 48443 | (65825) | 15.2 | 134.74602 | 102.01741 | 206.83176 | 8.29585  | 0.0751173 | 3.1680852 | 48459 |
| (65774) | 15.4 | 316.34070 | 30.69146  | 193.53115 | 0.50389  | 0.0488135 | 2.8770878 | 48443 | (65826) | 14.4 | 51.17703  | 330.84395 | 85.92561  | 14.18568 | 0.0773948 | 3.1978456 | 48459 |
| (65775) | 16.0 | 341.78622 | 82.81024  | 232.94777 | 4.11649  | 0.2958377 | 2.5704565 | 48444 | (65827) | 14.1 | 240.79327 | 208.53776 | 15.88353  | 10.94457 | 0.0695671 | 3.1902499 | 48460 |
| (65776) | 15.5 | 56.18836  | 15.38062  | 337.13459 | 6.75159  | 0.3377534 | 2.3492942 | 48444 | (65828) | 14.8 | 34.29409  | 328.85965 | 84.09575  | 1.04714  | 0.1812155 | 3.2223945 | 48460 |
| (65777) | 16.4 | 308.89974 | 11.61912  | 358.02812 | 2.68964  | 0.2184077 | 2.5856002 | 48444 | (65829) | 15.2 | 320.52087 | 189.46492 | 205.98533 | 1.66142  | 0.2334834 | 2.3071255 | 48460 |
| (65778) | 16.6 | 314.86470 | 293.40760 | 67.39966  | 0.19595  | 0.1643237 | 2.5456405 | 48444 | (65830) | 15.7 | 286.54725 | 69.53449  | 261.78530 | 3.83100  | 0.1596064 | 2.5394909 | 48461 |
| (65779) | 16.2 | 29.95228  | 41.15102  | 350.93581 | 2.07133  | 0.2015821 | 2.3643759 | 48445 | (65831) | 15.9 | 335.81860 | 337.06197 | 352.22664 | 5.94794  | 0.1303588 | 2.4224605 | 48461 |
| (65780) | 15.5 | 290.56933 | 201.91569 | 197.82892 | 18.02178 | 0.1580160 | 2.5664674 | 48445 | (65832) | 15.1 | 282.83075 | 19.30838  | 68.64429  | 3.13452  | 0.1749301 | 2.3736241 | 48461 |
| (65781) | 15.6 | 234.97069 | 231.19153 | 7.61032   | 6.13987  | 0.1124430 | 2.2231896 | 48445 | (65833) | 14.2 | 211.10752 | 185.13210 | 277.63212 | 12.87663 | 0.1113905 | 2.5359215 | 48462 |
| (65782) | 15.5 | 296.74446 | 141.65913 | 242.31762 | 3.71453  | 0.3196360 | 2.6022038 | 48446 | (65834) | 15.4 | 298.44499 | 282.40735 | 153.06053 | 2.42584  | 0.1876521 | 2.3177293 | 48462 |
| (65783) | 16.4 | 318.56509 | 131.30067 | 238.92943 | 4.15060  | 0.3036714 | 2.5658291 | 48446 | (65835) | 16.3 | 9.82418   | 169.02665 | 141.69087 | 3.44681  | 0.1631651 | 2.3879333 | 48463 |
| (65784) | 15.2 | 111.21486 | 339.58540 | 28.13607  | 4.97913  | 0.2883738 | 2.2490038 | 48446 | (65836) | 16.7 | 286.28844 | 236.54989 | 94.49598  | 24.71608 | 0.0361427 | 1.9111732 | 48463 |
| (65785) | 15.1 | 308.01925 | 85.31564  | 281.21681 | 5.26738  | 0.0553942 | 2.6783642 | 48447 | (65837) | 15.9 | 308.17886 | 309.67664 | 66.11241  | 5.83872  | 0.2443207 | 2.3809872 | 48463 |
| (65786) | 14.1 | 290.33892 | 7.24485   | 68.54756  | 3.09172  | 0.2534066 | 2.5596258 | 48447 | (65838) | 14.7 | 234.61031 | 348.01091 | 83.91686  | 5.65700  | 0.0916373 | 2.5502208 | 48463 |
| (65787) | 16.2 | 261.46978 | 222.35446 | 309.47508 | 1.54873  | 0.1357277 | 2.3847100 | 48447 | (65839) | 16.2 | 319.82457 | 108.97760 | 262.68721 | 1.30036  | 0.2231368 | 2.3634016 | 48464 |
| (65788) | 16.7 | 241.58945 | 183.86665 | 247.55140 | 1.43275  | 0.0959845 | 2.6414384 | 48448 | (65840) | 15.7 | 293.36575 | 120.83675 | 283.78662 | 2.21047  | 0.1870687 | 2.4753489 | 48464 |
| (65789) | 16.6 | 351.20235 | 338.87495 | 346.74540 | 2.32793  | 0.0760410 | 2.6188163 | 48448 | (65841) | 15.9 | 335.24224 | 34.32346  | 301.89020 | 4.39032  | 0.0778911 | 2.6172523 | 48464 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (65842) | 14.9 | 236.90980 | 338.12053 | 93.96497  | 10.94336 | 0.1798225 | 2.5821485 | 48464 | (65894) | 15.3 | 299.60478 | 232.91346 | 163.56826 | 1.34040  | 0.1239913 | 2.2586920 | 48483 |
| (65843) | 15.8 | 80.19388  | 234.42477 | 326.64869 | 6.72061  | 0.2335563 | 2.7807832 | 48465 | (65895) | 15.7 | 287.81655 | 53.81745  | 328.51288 | 2.60727  | 0.1765322 | 2.3103953 | 48484 |
| (65844) | 15.4 | 47.46060  | 92.77387  | 122.91575 | 23.79777 | 0.0692250 | 1.9421599 | 48465 | (65896) | 15.6 | 238.47148 | 334.63686 | 107.34810 | 6.57608  | 0.0632247 | 2.3111238 | 48484 |
| (65845) | 15.0 | 52.44248  | 111.69005 | 119.27683 | 13.63564 | 0.1750087 | 2.7428115 | 48466 | (65897) | 14.2 | 262.33592 | 162.48868 | 254.33504 | 5.56815  | 0.1819963 | 2.3218200 | 48485 |
| (65846) | 14.6 | 220.03480 | 132.69595 | 329.40684 | 12.34714 | 0.1449766 | 2.5815796 | 48466 | (65898) | 15.1 | 64.47615  | 27.54786  | 144.04198 | 14.25854 | 0.1040921 | 2.7125590 | 48485 |
| (65847) | 16.0 | 336.39714 | 173.76610 | 155.98335 | 3.94799  | 0.1302068 | 2.6435393 | 48466 | (65899) | 16.2 | 356.13436 | 192.07734 | 149.27769 | 7.56525  | 0.2088819 | 2.3843288 | 48485 |
| (65848) | 14.6 | 24.01428  | 92.06336  | 134.78402 | 11.59632 | 0.3846405 | 3.0494016 | 48467 | (65900) | 15.2 | 260.95573 | 184.36544 | 211.21559 | 2.51655  | 0.0890292 | 2.4035958 | 48486 |
| (65849) | 15.4 | 319.56447 | 70.06803  | 333.60169 | 6.54963  | 0.2349068 | 2.4300696 | 48467 | (65901) | 16.3 | 313.69532 | 109.26503 | 235.62362 | 5.14215  | 0.2130711 | 2.3392116 | 48486 |
| (65850) | 15.8 | 184.18555 | 158.80891 | 331.44200 | 3.19154  | 0.2227839 | 2.6357208 | 48467 | (65902) | 16.6 | 309.73365 | 328.18168 | 47.48343  | 3.48446  | 0.2249098 | 2.3645887 | 48487 |
| (65851) | 15.0 | 86.35845  | 259.83500 | 304.15347 | 10.74589 | 0.0186046 | 2.6675282 | 48468 | (65903) | 15.2 | 324.92041 | 242.06107 | 94.56041  | 2.42349  | 0.1943282 | 2.4220613 | 48487 |
| (65852) | 15.0 | 304.50680 | 50.44011  | 352.69674 | 3.93092  | 0.1403000 | 2.5520922 | 48468 | (65904) | 16.2 | 167.49159 | 167.07447 | 327.42253 | 2.47485  | 0.1164866 | 2.4428478 | 48487 |
| (65853) | 15.1 | 100.52013 | 238.90946 | 301.87342 | 3.03788  | 0.1404415 | 2.7785758 | 48468 | (65905) | 14.6 | 197.28761 | 76.88995  | 28.24752  | 5.42038  | 0.0254317 | 2.5266623 | 48488 |
| (65854) | 14.4 | 322.08830 | 25.23654  | 326.35554 | 12.56441 | 0.3204849 | 2.5988238 | 48469 | (65906) | 15.2 | 247.21810 | 323.90571 | 104.92070 | 3.02770  | 0.1861970 | 2.3633892 | 48488 |
| (65855) | 14.9 | 317.16642 | 224.94543 | 130.43414 | 10.81998 | 0.1839966 | 3.0114901 | 48469 | (65907) | 15.7 | 88.39362  | 129.14855 | 131.77584 | 7.51215  | 0.1475419 | 2.3556371 | 48488 |
| (65856) | 15.4 | 335.67635 | 176.31828 | 200.67572 | 12.81302 | 0.1659737 | 2.6439273 | 48469 | (65908) | 15.8 | 314.82194 | 171.21344 | 148.14803 | 4.14721  | 0.2061996 | 2.6687557 | 48489 |
| (65857) | 16.4 | 15.46733  | 241.28571 | 209.90014 | 5.92965  | 0.0546877 | 2.3054157 | 48470 | (65909) | 19.2 | 294.25254 | 284.32707 | 108.67696 | 3.54381  | 0.5398645 | 1.0927385 | 48489 |
| (65858) | 16.4 | 145.38018 | 117.30681 | 152.43307 | 3.68080  | 0.1974084 | 2.5555859 | 48470 | (65910) | 16.2 | 351.71393 | 177.35162 | 331.47996 | 3.92585  | 0.1953814 | 3.1333519 | 48490 |
| (65859) | 12.9 | 324.33789 | 3.61359   | 154.03449 | 5.45519  | 0.1521094 | 3.9754798 | 48470 | (65911) | 15.7 | 79.06961  | 0.37517   | 209.51087 | 3.97064  | 0.2069722 | 2.5430840 | 48490 |
| (65860) | 14.7 | 1.78136   | 121.60669 | 240.40772 | 2.44486  | 0.1886033 | 2.7284731 | 48471 | (65912) | 15.3 | 127.59102 | 103.18363 | 77.38641  | 2.61959  | 0.1068348 | 2.4349855 | 48490 |
| (65861) | 15.4 | 56.95433  | 334.96657 | 25.74351  | 3.35756  | 0.1143211 | 2.5288384 | 48471 | (65913) | 15.8 | 127.37254 | 248.74054 | 279.91765 | 1.35373  | 0.1227566 | 2.4727508 | 48491 |
| (65862) | 16.5 | 102.65638 | 44.45076  | 217.03861 | 3.10225  | 0.1109404 | 2.7075389 | 48471 | (65914) | 15.5 | 234.36582 | 232.85398 | 199.31724 | 5.57991  | 0.1025939 | 2.4129730 | 48491 |
| (65863) | 15.1 | 353.38192 | 157.01651 | 168.02419 | 13.44033 | 0.0699035 | 2.9629855 | 48471 | (65915) | 13.9 | 211.83469 | 134.97928 | 349.47530 | 12.87496 | 0.0878370 | 2.3394840 | 48492 |
| (65864) | 14.7 | 17.40072  | 356.70135 | 326.16324 | 7.52236  | 0.1158675 | 3.1683121 | 48472 | (65916) | 15.2 | 236.66474 | 288.35593 | 160.68324 | 6.89820  | 0.0899179 | 2.3639828 | 48492 |
| (65865) | 15.9 | 29.87769  | 7.75073   | 135.69086 | 13.33283 | 0.1207025 | 2.3811200 | 48472 | (65917) | 15.8 | 141.22109 | 348.67818 | 174.24538 | 6.72377  | 0.0520838 | 2.4431770 | 48493 |
| (65866) | 13.3 | 310.30651 | 94.03960  | 308.44826 | 24.26462 | 0.2617851 | 3.1688017 | 48472 | (65918) | 15.9 | 95.59358  | 15.26801  | 200.31491 | 4.72106  | 0.0602008 | 2.4407733 | 48493 |
| (65867) | 14.9 | 95.46063  | 37.49259  | 298.02181 | 5.40234  | 0.0509997 | 2.7931672 | 48473 | (65919) | 15.9 | 265.16359 | 256.45950 | 170.35514 | 3.71439  | 0.2194499 | 2.2900334 | 48493 |
| (65868) | 16.1 | 0.73979   | 228.87891 | 187.83252 | 1.02432  | 0.0766825 | 3.0022365 | 48473 | (65920) | 16.2 | 124.71548 | 348.87043 | 196.95007 | 2.14009  | 0.1391221 | 2.4574690 | 48494 |
| (65869) | 14.7 | 114.99319 | 184.00411 | 198.15089 | 7.06013  | 0.3007837 | 2.6365275 | 48473 | (65921) | 15.4 | 232.65965 | 97.35597  | 350.10767 | 6.45894  | 0.0757486 | 2.3945123 | 48494 |
| (65870) | 15.9 | 236.79317 | 169.60991 | 224.19603 | 25.08141 | 0.2247789 | 2.2737413 | 48473 | (65922) | 16.4 | 312.50741 | 228.61332 | 214.67192 | 3.76401  | 0.0108077 | 2.1974475 | 48494 |
| (65871) | 12.4 | 359.08963 | 51.22023  | 292.71671 | 17.63189 | 0.1526750 | 3.2108740 | 48474 | (65923) | 16.0 | 235.40130 | 230.96762 | 225.13902 | 3.63721  | 0.2050690 | 2.3165521 | 48495 |
| (65872) | 14.6 | 132.66097 | 16.47419  | 326.11237 | 11.83806 | 0.2068289 | 2.6046328 | 48474 | (65924) | 15.4 | 68.53352  | 241.46868 | 342.16089 | 3.28990  | 0.0576140 | 2.5377081 | 48495 |
| (65873) | 14.8 | 187.54885 | 170.73128 | 298.52644 | 5.86341  | 0.0926984 | 2.3377567 | 48474 | (65925) | 14.9 | 225.69403 | 273.58693 | 192.00322 | 9.07936  | 0.0939572 | 2.3635145 | 48495 |
| (65874) | 14.1 | 69.45823  | 173.50680 | 255.83514 | 7.03457  | 0.2042226 | 2.7780580 | 48475 | (65926) | 15.1 | 312.06097 | 27.19112  | 33.65457  | 4.49317  | 0.1353242 | 2.2326493 | 48496 |
| (65875) | 15.5 | 357.40863 | 129.95549 | 41.12488  | 8.66124  | 0.1732342 | 2.6389803 | 48476 | (65927) | 16.1 | 242.75151 | 9.48133   | 76.20113  | 3.27609  | 0.1773839 | 2.3386430 | 48496 |
| (65876) | 15.8 | 314.54676 | 200.82807 | 1.34222   | 4.20028  | 0.1472126 | 2.6125049 | 48476 | (65928) | 15.7 | 62.98114  | 354.91456 | 171.38473 | 13.50544 | 0.2550426 | 2.7472021 | 48497 |
| (65877) | 14.5 | 238.16967 | 87.02257  | 11.35662  | 4.52842  | 0.0744041 | 2.2053972 | 48476 | (65929) | 14.7 | 318.06718 | 48.32327  | 176.38016 | 16.25729 | 0.0355711 | 3.0406608 | 48497 |
| (65878) | 15.2 | 68.55755  | 283.31186 | 310.60929 | 6.92621  | 0.0658170 | 2.3087914 | 48477 | (65930) | 15.6 | 0.94182   | 322.50339 | 350.48239 | 8.49778  | 0.3160513 | 2.5837066 | 48497 |
| (65879) | 15.6 | 30.26850  | 50.78329  | 103.28645 | 16.63197 | 0.1444300 | 2.7632170 | 48477 | (65931) | 15.3 | 164.68169 | 336.77023 | 172.36289 | 12.78288 | 0.1280123 | 2.4302771 | 48498 |
| (65880) | 15.4 | 216.96892 | 213.14949 | 247.99887 | 3.97961  | 0.1177715 | 2.2460729 | 48477 | (65932) | 16.3 | 120.54234 | 239.34844 | 20.47764  | 4.34233  | 0.1175735 | 2.2922771 | 48498 |
| (65881) | 15.7 | 213.72510 | 346.22975 | 116.87449 | 6.13661  | 0.1071035 | 2.2833396 | 48478 | (65933) | 15.8 | 210.04227 | 287.33804 | 177.24453 | 2.47418  | 0.1754462 | 2.4009924 | 48498 |
| (65882) | 14.2 | 182.14172 | 291.07117 | 357.19451 | 9.16605  | 0.0675091 | 3.0692361 | 48478 | (65934) | 14.5 | 238.60326 | 125.18312 | 351.94568 | 4.36777  | 0.0891883 | 2.3106212 | 48499 |
| (65883) | 15.1 | 128.91851 | 350.04308 | 122.76921 | 22.47658 | 0.0740874 | 2.5487657 | 48479 | (65935) | 15.2 | 64.59808  | 31.93972  | 197.78854 | 8.48401  | 0.1125940 | 2.5686247 | 48499 |
| (65884) | 16.3 | 79.64789  | 270.08261 | 309.12685 | 1.90261  | 0.1327816 | 2.3751274 | 48479 | (65936) | 14.9 | 14.43546  | 103.92789 | 192.14641 | 27.85312 | 0.3510583 | 2.6446188 | 48500 |
| (65885) | 16.5 | 148.17909 | 210.52908 | 310.95537 | 5.83212  | 0.0352352 | 2.3483416 | 48480 | (65937) | 16.5 | 46.99447  | 47.96885  | 198.90931 | 8.49432  | 0.0871961 | 2.6196664 | 48500 |
| (65886) | 15.6 | 216.62922 | 135.79582 | 327.68881 | 3.93240  | 0.0935485 | 2.3053365 | 48480 | (65938) | 14.7 | 333.20354 | 144.56262 | 175.87088 | 13.82780 | 0.1820578 | 2.6324091 | 48500 |
| (65887) | 14.8 | 120.37013 | 73.07532  | 81.65132  | 3.15236  | 0.1178142 | 2.4260168 | 48480 | (65939) | 15.3 | 15.06891  | 101.22852 | 175.41827 | 12.12079 | 0.1224192 | 2.6301280 | 48501 |
| (65888) | 16.1 | 229.58671 | 188.88747 | 125.76034 | 1.11006  | 0.0571898 | 2.7962286 | 48481 | (65940) | 16.5 | 138.66727 | 99.17660  | 141.21246 | 5.15656  | 0.1500548 | 2.2870106 | 48501 |
| (65889) | 14.9 | 178.43200 | 344.59533 | 138.16885 | 5.49505  | 0.1752857 | 2.3619825 | 48481 | (65941) | 14.8 | 274.81154 | 15.48769  | 42.86927  | 7.28736  | 0.1016677 | 2.3188739 | 48502 |
| (65890) | 16.9 | 286.45564 | 210.01975 | 131.68062 | 3.02231  | 0.2042573 | 2.4296495 | 48481 | (65942) | 14.8 | 300.11579 | 9.17254   | 18.49275  | 8.73323  | 0.2083695 | 2.3236549 | 48502 |
| (65891) | 15.2 | 181.73931 | 100.56204 | 29.17319  | 3.31437  | 0.1301623 | 2.3099622 | 48482 | (65943) | 15.4 | 0.16158   | 299.40415 | 272.26481 | 6.75132  | 0.2373620 | 2.9076770 | 48502 |
| (65892) | 14.9 | 47.87479  | 262.32436 | 289.95475 | 2.99831  | 0.1223963 | 2.6147727 | 48482 | (65944) | 14.3 | 88.57223  | 292.72691 | 321.83260 | 7.84317  | 0.0669672 | 2.3725165 | 48503 |
| (65893) | 14.5 | 222.59893 | 22.19191  | 61.70062  | 5.87305  | 0.1595840 | 2.3480130 | 48483 | (65945) | 14.9 | 340.13017 | 308.33273 | 230.38985 | 7.93800  | 0.1069198 | 3.1229136 | 48503 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (65946) | 15.0 | 21.31073  | 356.48141 | 282.86031 | 4.23093  | 0.2460267 | 2.5991453 | 48504 | (65998) | 14.5 | 355.63120 | 243.98642 | 91.56716  | 8.79271  | 0.2308840 | 2.7692356 | 48523 |
| (65947) | 15.4 | 347.47889 | 302.67715 | 313.30179 | 5.74735  | 0.2501635 | 2.8324229 | 48504 | (65999) | 16.0 | 135.09961 | 79.46688  | 276.73681 | 22.44961 | 0.3359916 | 2.2835158 | 48524 |
| (65948) | 15.6 | 190.11260 | 169.28494 | 320.83556 | 6.00562  | 0.0952097 | 2.4117396 | 48505 | (66000) | 14.8 | 325.03864 | 41.52604  | 298.26464 | 15.40906 | 0.2243772 | 2.9997446 | 48524 |
| (65949) | 15.1 | 233.78898 | 127.65006 | 323.75415 | 7.79215  | 0.0816945 | 2.3957152 | 48505 | (66001) | 14.2 | 155.42050 | 232.88107 | 291.64723 | 11.79884 | 0.1081362 | 2.6684397 | 48524 |
| (65950) | 15.0 | 286.39989 | 144.09406 | 297.00095 | 5.64521  | 0.1294661 | 2.2734665 | 48505 | (66002) | 16.0 | 130.34808 | 196.88812 | 161.66614 | 4.67281  | 0.1544633 | 2.2151435 | 48525 |
| (65951) | 15.0 | 114.96906 | 324.86069 | 162.26180 | 13.46016 | 0.1273707 | 2.6294583 | 48506 | (66003) | 13.3 | 29.04403  | 349.38583 | 307.06086 | 11.81821 | 0.0684105 | 2.8601074 | 48525 |
| (65952) | 15.9 | 231.80056 | 250.46225 | 196.19472 | 5.78201  | 0.0828576 | 2.4265512 | 48506 | (66004) | 15.1 | 332.84911 | 133.15305 | 151.84428 | 5.78041  | 0.1426300 | 3.1963443 | 48525 |
| (65953) | 16.8 | 5.79301   | 90.80943  | 182.18093 | 13.06494 | 0.3422875 | 2.7502848 | 48507 | (66005) | 15.2 | 311.98618 | 80.61205  | 314.83663 | 13.84241 | 0.2373688 | 2.7623207 | 48526 |
| (65954) | 15.5 | 239.96786 | 290.51362 | 148.75454 | 8.06275  | 0.1773102 | 2.3253267 | 48507 | (66006) | 16.4 | 116.01231 | 21.02824  | 326.34250 | 6.73388  | 0.1871440 | 2.3246491 | 48526 |
| (65955) | 16.0 | 237.28531 | 296.32847 | 143.23500 | 4.15068  | 0.0395467 | 2.4042526 | 48507 | (66007) | 13.2 | 313.36262 | 142.49133 | 256.88120 | 4.38615  | 0.0697278 | 2.7474712 | 48526 |
| (65956) | 14.4 | 29.82963  | 130.57212 | 139.53504 | 12.70243 | 0.2740627 | 2.5945170 | 48507 | (66008) | 16.0 | 76.62492  | 13.87770  | 168.96306 | 61.01228 | 0.3624008 | 1.4262446 | 48527 |
| (65957) | 15.1 | 269.11572 | 223.77308 | 209.86246 | 6.26699  | 0.0853117 | 2.2948094 | 48508 | (66009) | 14.1 | 83.38814  | 294.90667 | 327.44250 | 9.04978  | 0.0398804 | 2.6821957 | 48527 |
| (65958) | 15.2 | 6.03654   | 43.54384  | 216.04352 | 7.81059  | 0.1399736 | 2.7631677 | 48508 | (66010) | 14.6 | 262.63441 | 129.92764 | 287.68918 | 7.93185  | 0.1359370 | 3.0684646 | 48528 |
| (65959) | 15.8 | 13.77952  | 151.38496 | 126.44971 | 14.02919 | 0.1973191 | 2.6422419 | 48509 | (66011) | 13.8 | 44.63247  | 355.72161 | 304.08228 | 4.14248  | 0.0403796 | 2.7505532 | 48528 |
| (65960) | 14.9 | 65.41549  | 84.84700  | 124.19102 | 12.25190 | 0.1892089 | 2.6540210 | 48509 | (66012) | 14.8 | 318.29083 | 68.03344  | 339.09106 | 11.78986 | 0.1444602 | 2.7487745 | 48529 |
| (65961) | 15.2 | 87.03430  | 28.93800  | 169.09177 | 11.83913 | 0.1134023 | 2.6508420 | 48509 | (66013) | 13.6 | 336.15150 | 40.28257  | 303.27663 | 10.97353 | 0.0668673 | 2.9426983 | 48529 |
| (65962) | 16.1 | 327.75418 | 306.27902 | 63.24160  | 3.90509  | 0.1881355 | 2.3927672 | 48510 | (66014) | 14.7 | 323.70288 | 27.44386  | 326.41060 | 8.59966  | 0.1306241 | 2.9605934 | 48529 |
| (65963) | 16.0 | 320.60103 | 45.11388  | 292.13107 | 3.56024  | 0.1389589 | 2.5495034 | 48510 | (66015) | 14.5 | 25.96864  | 329.53982 | 338.33468 | 8.68376  | 0.1526381 | 2.8023419 | 48529 |
| (65964) | 15.6 | 11.09718  | 183.21734 | 94.34163  | 4.59344  | 0.1059410 | 2.6478160 | 48510 | (66016) | 14.6 | 301.14399 | 51.18610  | 316.17870 | 7.97235  | 0.1512907 | 3.0466757 | 48530 |
| (65965) | 14.1 | 15.02906  | 72.74581  | 209.30357 | 29.90728 | 0.3386948 | 2.7487881 | 48511 | (66017) | 14.6 | 171.33265 | 209.83459 | 291.08091 | 8.31831  | 0.0538154 | 2.9832090 | 48530 |
| (65966) | 16.3 | 164.76663 | 162.92890 | 55.84906  | 5.54094  | 0.0800986 | 2.3051410 | 48511 | (66018) | 13.3 | 233.64159 | 110.63297 | 329.68054 | 8.98408  | 0.0880377 | 3.0188720 | 48530 |
| (65967) | 15.5 | 314.96011 | 195.34920 | 45.29865  | 4.76635  | 0.0192817 | 2.9831743 | 48511 | (66019) | 14.4 | 338.40621 | 5.04758   | 333.82619 | 8.23188  | 0.1307960 | 2.9401202 | 48531 |
| (65968) | 16.3 | 293.59105 | 66.56029  | 346.22393 | 6.27566  | 0.0951660 | 2.3501439 | 48511 | (66020) | 17.3 | 116.84490 | 283.98915 | 51.32608  | 3.03112  | 0.2290564 | 2.3512034 | 48531 |
| (65969) | 14.8 | 278.59248 | 159.28395 | 206.32261 | 9.04175  | 0.1924322 | 2.5745971 | 48512 | (66021) | 15.0 | 357.36537 | 149.24143 | 174.87782 | 12.45273 | 0.1818045 | 2.9068722 | 48531 |
| (65970) | 16.5 | 180.84679 | 10.96602  | 213.42419 | 6.63094  | 0.1646071 | 2.2221005 | 48512 | (66022) | 13.5 | 234.88133 | 111.61579 | 336.53248 | 9.71734  | 0.0768823 | 3.0043486 | 48532 |
| (65971) | 15.4 | 327.78627 | 172.16280 | 49.37739  | 6.29762  | 0.0883018 | 3.0393235 | 48512 | (66023) | 15.8 | 113.27295 | 249.89332 | 111.29500 | 5.56192  | 0.1854543 | 2.3157510 | 48532 |
| (65972) | 15.2 | 288.76663 | 52.59461  | 346.21390 | 4.04812  | 0.2271473 | 2.3844794 | 48513 | (66024) | 14.0 | 56.27094  | 316.65194 | 329.07241 | 7.47718  | 0.1195059 | 2.7938637 | 48532 |
| (65973) | 14.6 | 11.19424  | 80.83406  | 208.26128 | 13.43378 | 0.0988377 | 2.5869702 | 48513 | (66025) | 14.6 | 336.28414 | 11.57402  | 334.82616 | 8.78886  | 0.1512625 | 2.9655027 | 48533 |
| (65974) | 15.8 | 59.34038  | 338.69526 | 199.62042 | 6.39268  | 0.0570804 | 2.7964713 | 48513 | (66026) | 14.0 | 263.38870 | 106.30368 | 324.44887 | 9.03950  | 0.0784109 | 2.9693509 | 48533 |
| (65975) | 15.5 | 58.27692  | 31.15474  | 190.72500 | 10.56478 | 0.1190702 | 2.6385783 | 48514 | (66027) | 14.4 | 312.96152 | 223.11370 | 151.48985 | 13.77123 | 0.1637997 | 2.9781270 | 48534 |
| (65976) | 14.6 | 311.64731 | 4.85274   | 51.31959  | 3.83281  | 0.0401502 | 2.3573190 | 48514 | (66028) | 14.7 | 316.08201 | 102.45385 | 254.96052 | 4.09008  | 0.1762397 | 3.0636457 | 48534 |
| (65977) | 15.5 | 100.96492 | 332.45117 | 210.39411 | 11.59532 | 0.0872561 | 2.6137133 | 48515 | (66029) | 14.4 | 307.80080 | 162.74929 | 163.72375 | 15.18391 | 0.1652818 | 3.1667008 | 48534 |
| (65978) | 15.2 | 37.54821  | 33.15015  | 213.63323 | 7.21889  | 0.2274875 | 2.6986827 | 48515 | (66030) | 14.4 | 328.02325 | 149.95959 | 249.17067 | 11.04262 | 0.2763336 | 2.7702499 | 48534 |
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|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (66258) | 15.9 | 345.84213 | 31.97428  | 245.15390 | 4.24673  | 0.2153562 | 2.3870834 | 48618 | (66310) | 16.7 | 63.93756  | 37.90331  | 193.75158 | 2.82457  | 0.1146856 | 2.2848018 | 48640 |
| (66259) | 16.4 | 17.10944  | 341.77286 | 252.59367 | 1.88461  | 0.1527258 | 2.4038256 | 48618 | (66311) | 16.1 | 321.12190 | 219.90901 | 55.45303  | 4.96712  | 0.1780320 | 2.5822546 | 48641 |
| (66260) | 15.2 | 212.58777 | 150.42991 | 285.51548 | 3.61288  | 0.0918009 | 2.2130726 | 48619 | (66312) | 14.9 | 29.62426  | 234.73731 | 38.96755  | 7.05914  | 0.2032247 | 2.3092808 | 48641 |
| (66261) | 15.0 | 69.50964  | 102.94637 | 106.32525 | 7.67066  | 0.0107695 | 2.2181325 | 48619 | (66313) | 14.7 | 15.63313  | 6.06922   | 258.86679 | 5.94760  | 0.0977826 | 2.3667437 | 48641 |
| (66262) | 15.8 | 357.61066 | 259.46364 | 348.60911 | 2.26181  | 0.1279591 | 2.4121617 | 48620 | (66314) | 16.3 | 342.05914 | 146.88253 | 161.65372 | 2.71117  | 0.1759502 | 2.3755918 | 48642 |
| (66263) | 14.7 | 326.07141 | 120.89521 | 81.92072  | 7.58102  | 0.1404089 | 2.6966532 | 48620 | (66315) | 15.6 | 21.23927  | 268.29740 | 296.53466 | 3.67703  | 0.1279973 | 2.5587858 | 48642 |
| (66264) | 16.1 | 17.08656  | 50.87557  | 236.56764 | 6.44849  | 0.1768753 | 2.2855657 | 48620 | (66316) | 14.5 | 229.26205 | 59.84430  | 220.37239 | 10.16587 | 0.0702470 | 3.0942659 | 48643 |
| (66265) | 16.1 | 351.22867 | 296.46652 | 21.78083  | 0.48675  | 0.0986396 | 2.2419758 | 48621 | (66317) | 15.5 | 142.20253 | 340.10126 | 160.86509 | 4.94963  | 0.0664065 | 2.3118854 | 48643 |
| (66266) | 15.5 | 39.14085  | 23.59512  | 220.49992 | 5.54146  | 0.1108642 | 2.2943312 | 48621 | (66318) | 15.0 | 337.29890 | 136.29902 | 184.01307 | 4.02849  | 0.1326526 | 2.3465165 | 48644 |
| (66267) | 16.3 | 330.07990 | 231.92000 | 77.37680  | 2.07221  | 0.2693046 | 2.3922994 | 48622 | (66319) | 15.2 | 102.71057 | 311.89713 | 227.07796 | 6.68155  | 0.0537119 | 2.3302174 | 48644 |
| (66268) | 14.4 | 301.45288 | 264.86108 | 94.56594  | 7.45241  | 0.1383156 | 2.3010215 | 48622 | (66320) | 15.8 | 30.28432  | 40.74107  | 228.16234 | 6.15639  | 0.1600916 | 2.3169267 | 48645 |
| (66269) | 15.0 | 321.24595 | 112.65875 | 222.73683 | 20.56930 | 0.2865417 | 2.3042374 | 48623 | (66321) | 15.8 | 59.11665  | 183.56725 | 40.04783  | 3.07950  | 0.1614687 | 2.3335008 | 48645 |
| (66270) | 14.4 | 301.59891 | 142.24711 | 224.62931 | 22.57421 | 0.2553552 | 2.3035450 | 48623 | (66322) | 16.2 | 7.20207   | 148.92445 | 151.78969 | 1.73185  | 0.2773131 | 2.3502906 | 48646 |
| (66271) | 16.0 | 21.72995  | 24.73366  | 236.71064 | 11.94854 | 0.1717930 | 2.3499007 | 48623 | (66323) | 14.9 | 21.02063  | 99.65578  | 192.01071 | 7.07569  | 0.1236365 | 2.2761235 | 48646 |
| (66272) | 17.1 | 149.84793 | 68.50813  | 66.43461  | 51.31289 | 0.1431228 | 1.5075620 | 48624 | (66324) | 15.4 | 27.36324  | 33.70788  | 228.49757 | 4.43496  | 0.1265108 | 2.3495359 | 48647 |
| (66273) | 16.6 | 4.73129   | 51.53574  | 262.60736 | 1.09918  | 0.2380990 | 2.3284038 | 48624 | (66325) | 15.5 | 13.83450  | 193.24113 | 92.37217  | 6.28107  | 0.2211549 | 2.3517144 | 48647 |
| (66274) | 15.7 | 24.16652  | 286.05713 | 250.41479 | 10.21254 | 0.2317885 | 2.6516978 | 48624 | (66326) | 15.6 | 347.75752 | 142.61363 | 183.07152 | 5.44549  | 0.1601490 | 2.3111829 | 48648 |
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| (66276) | 16.3 | 10.20699  | 141.34051 | 135.51620 | 7.58187  | 0.1837230 | 2.3575730 | 48625 | (66328) | 15.3 | 25.02440  | 35.09095  | 256.26393 | 4.34109  | 0.1484866 | 2.2837508 | 48649 |
| (66277) | 15.6 | 325.25063 | 241.49321 | 71.02134  | 24.82626 | 0.2953707 | 2.3984347 | 48626 | (66329) | 15.5 | 97.34018  | 327.81471 | 229.37106 | 5.55194  | 0.0705214 | 2.2995575 | 48649 |
| (66278) | 15.8 | 338.02890 | 179.32319 | 134.71017 | 3.14715  | 0.2044899 | 2.4021995 | 48626 | (66330) | 15.9 | 19.17558  | 64.09281  | 155.88770 | 4.36679  | 0.1360121 | 2.5293642 | 48649 |
| (66279) | 15.4 | 299.89547 | 160.85094 | 223.86039 | 5.10656  | 0.1303752 | 2.1885983 | 48626 | (66331) | 15.7 | 2.70096   | 149.07854 | 141.00113 | 2.76019  | 0.2074081 | 2.3871872 | 48650 |
| (66280) | 15.1 | 17.76303  | 128.40812 | 174.45541 | 23.71465 | 0.2832806 | 2.3230420 | 48627 | (66332) | 15.3 | 91.05652  | 144.11013 | 63.74768  | 6.28040  | 0.0953308 | 2.2842534 | 48650 |
| (66281) | 15.5 | 28.32218  | 162.58588 | 91.51214  | 8.44914  | 0.1653641 | 2.3412785 | 48627 | (66333) | 15.8 | 72.46701  | 40.19914  | 161.82275 | 2.74874  | 0.1048766 | 2.3729150 | 48651 |
| (66282) | 15.6 | 27.45282  | 71.47005  | 197.35082 | 2.99519  | 0.2074326 | 2.3508332 | 48628 | (66334) | 14.9 | 100.92825 | 69.81866  | 113.18530 | 6.86853  | 0.0475840 | 2.3491661 | 48651 |
| (66283) | 14.4 | 32.51135  | 235.61786 | 37.25578  | 10.15261 | 0.2488224 | 2.3229786 | 48628 | (66335) | 13.7 | 2.54574   | 11.73104  | 254.80697 | 10.56763 | 0.1983674 | 2.4659709 | 48652 |
| (66284) | 13.9 | 322.34196 | 290.15801 | 70.32366  | 6.25709  | 0.1876744 | 2.2650178 | 48629 | (66336) | 14.7 | 20.90140  | 28.79414  | 281.14156 | 0.79313  | 0.1956515 | 2.2702868 | 48652 |
| (66285) | 16.5 | 358.96611 | 226.15648 | 82.33856  | 7.44414  | 0.1310308 | 2.3085073 | 48629 | (66337) | 15.7 | 12.47208  | 98.43082  | 218.78228 | 7.10696  | 0.2017906 | 2.2838192 | 48653 |
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| (66288) | 15.3 | 344.19042 | 52.57743  | 258.50710 | 3.38312  | 0.1684110 | 2.3167136 | 48630 | (66340) | 15.5 | 27.95425  | 219.34609 | 82.04637  | 1.81640  | 0.1391904 | 2.1801942 | 48654 |
| (66289) | 15.9 | 40.82335  | 201.20336 | 34.44165  | 3.97244  | 0.1250476 | 2.3376161 | 48631 | (66341) | 15.8 | 345.57622 | 254.52114 | 70.78605  | 6.70437  | 0.1936424 | 2.2575699 | 48654 |
| (66290) | 16.2 | 355.52471 | 68.95461  | 218.18661 | 0.47837  | 0.1936734 | 2.3685081 | 48632 | (66342) | 16.0 | 28.30020  | 190.69843 | 73.89651  | 8.16188  | 0.1870067 | 2.3036556 | 48655 |
| (66291) | 15.1 | 25.67135  | 227.08692 | 49.13474  | 7.00902  | 0.1089697 | 2.2667616 | 48632 | (66343) | 15.0 | 9.91743   | 106.83805 | 136.80350 | 3.00540  | 0.1502703 | 2.4376634 | 48655 |
| (66292) | 15.2 | 35.87180  | 309.06994 | 254.20554 | 5.30942  | 0.0991307 | 2.4662246 | 48632 | (66344) | 15.3 | 8.26971   | 197.55565 | 78.17081  | 7.78176  | 0.1011651 | 2.3326815 | 48656 |
| (66293) | 15.4 | 11.55618  | 21.14787  | 265.83956 | 5.09599  | 0.1510730 | 2.3055551 | 48633 | (66345) | 16.0 | 31.82190  | 162.29635 | 106.40491 | 5.53034  | 0.1193679 | 2.2755871 | 48656 |
| (66294) | 15.7 | 350.01361 | 161.98403 | 131.08114 | 1.14866  | 0.3350685 | 2.4348280 | 48633 | (66346) | 15.8 | 17.26659  | 123.16837 | 191.22681 | 6.73089  | 0.2198388 | 2.2283604 | 48657 |
| (66295) | 15.2 | 12.94167  | 34.24911  | 251.31711 | 8.06870  | 0.1415611 | 2.3048797 | 48634 | (66347) | 15.2 | 6.34207   | 227.37317 | 75.81135  | 7.71136  | 0.1369804 | 2.2743724 | 48657 |
| (66296) | 15.6 | 13.61223  | 64.70964  | 255.17822 | 5.27548  | 0.1723225 | 2.2162047 | 48634 | (66348) | 15.4 | 72.34871  | 340.26886 | 191.33441 | 7.45738  | 0.1452245 | 2.4237408 | 48657 |
| (66297) | 15.8 | 10.70362  | 260.74554 | 55.35789  | 6.30411  | 0.1855323 | 2.2491118 | 48635 | (66349) | 15.9 | 349.98092 | 99.92653  | 241.32660 | 2.33721  | 0.1724491 | 2.2435568 | 48658 |
| (66298) | 15.2 | 76.44455  | 346.01492 | 230.11557 | 9.33051  | 0.0938759 | 2.2984333 | 48635 | (66350) | 15.0 | 47.26456  | 8.80747   | 224.56421 | 7.68906  | 0.0991274 | 2.3796194 | 48658 |
| (66299) | 15.3 | 29.06021  | 177.29892 | 74.08145  | 5.16650  | 0.1258864 | 2.3445200 | 48635 | (66351) | 15.4 | 51.39101  | 124.30850 | 125.32791 | 7.68638  | 0.0806544 | 2.2957570 | 48659 |
| (66300) | 15.2 | 36.90652  | 2.12201   | 240.40913 | 5.92995  | 0.1452208 | 2.3481953 | 48636 | (66352) | 15.7 | 76.38529  | 17.24970  | 185.89616 | 3.65284  | 0.0831275 | 2.3404071 | 48659 |
| (66301) | 16.7 | 7.79505   | 43.99419  | 229.44517 | 2.01345  | 0.1847085 | 2.3797044 | 48636 | (66353) | 15.7 | 29.01987  | 169.99049 | 72.82084  | 3.38111  | 0.1564538 | 2.3934941 | 48660 |
| (66302) | 14.6 | 310.62306 | 332.98869 | 212.68827 | 5.33351  | 0.0680284 | 3.0712413 | 48637 | (66354) | 15.1 | 24.36233  | 123.39277 | 129.54347 | 14.02908 | 0.0205701 | 2.3543028 | 48660 |
| (66303) | 16.1 | 1.39417   | 253.82506 | 38.49594  | 5.39464  | 0.1577227 | 2.3408287 | 48637 | (66355) | 15.0 | 5.31297   | 106.16508 | 155.44752 | 8.73637  | 0.2059808 | 2.4534408 | 48661 |
| (66304) | 15.5 | 346.63919 | 75.97560  | 270.82260 | 4.05813  | 0.2030705 | 2.2266004 | 48637 | (66356) | 15.9 | 346.29307 | 194.55220 | 106.06879 | 6.27909  | 0.2371158 | 2.3749651 | 48661 |
| (66305) | 14.8 | 9.01648   | 255.02535 | 26.04708  | 8.25828  | 0.2274555 | 2.3722084 | 48638 | (66357) | 15.3 | 349.11198 | 237.17783 | 81.82351  | 8.43685  | 0.1906972 | 2.2628857 | 48661 |
| (66306) | 15.6 | 16.72997  | 296.08825 | 20.28422  | 4.33026  | 0.2230943 | 2.2415088 | 48638 | (66358) | 15.6 | 358.88962 | 159.55350 | 153.79855 | 7.46853  | 0.3154123 | 2.3144202 | 48661 |
| (66307) | 14.6 | 23.66313  | 71.74306  | 199.58099 | 6.42439  | 0.2017958 | 2.3335517 | 48638 | (66359) | 15.8 | 334.15299 | 250.93744 | 87.41345  | 7.66670  | 0.1939100 | 2.2674884 | 48662 |
| (66308) | 15.7 | 352.90301 | 146.22152 | 187.07512 | 4.91780  | 0.0913954 | 2.2132098 | 48639 | (66360) | 13.7 | 176.19201 | 253.14876 | 65.58852  | 27.06059 | 0.1873804 | 3.2128622 | 48662 |
| (66309) | 15.5 | 16.56399  | 83.47399  | 193.19734 | 4.49735  | 0.2202650 | 2.3529421 | 48640 | (66361) | 15.7 | 8.10826   | 121.82025 | 135.38437 | 10.22757 | 0.1734657 | 2.4166512 | 48663 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |            |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|------------|-------|
| (66362) | 15.4 | 95.77008  | 16.87011  | 129.20252 | 11.37818 | 0.0915089 | 2.4337428 | 48663 | (66414) | 15.1 | 314.78997 | 188.50949 | 129.95276 | 14.41325 | 0.1986483 | 2.6639579  | 48686 |
| (66363) | 15.8 | 134.07307 | 63.93956  | 104.31840 | 7.70430  | 0.0514751 | 2.2381495 | 48663 | (66415) | 15.5 | 6.79107   | 343.37263 | 344.20428 | 0.88084  | 0.1961768 | 2.3869597  | 48686 |
| (66364) | 14.9 | 177.71108 | 338.90335 | 65.79333  | 22.98130 | 0.0638418 | 2.5648030 | 48664 | (66416) | 14.6 | 251.65986 | 117.92798 | 304.00226 | 11.55067 | 0.1167738 | 2.5455607  | 48686 |
| (66365) | 16.2 | 18.73771  | 142.85055 | 158.17708 | 8.46864  | 0.2110641 | 2.2714910 | 48664 | (66417) | 15.7 | 317.24459 | 70.09758  | 313.85305 | 5.13062  | 0.1378507 | 2.4098862  | 48687 |
| (66366) | 16.3 | 2.92416   | 168.52870 | 150.94037 | 6.77327  | 0.1439332 | 2.2580548 | 48664 | (66418) | 15.2 | 291.58773 | 261.06516 | 128.72387 | 12.80102 | 0.2752823 | 2.57444031 | 48687 |
| (66367) | 16.2 | 49.84458  | 35.05726  | 189.96537 | 11.55106 | 0.1941376 | 2.3612303 | 48665 | (66419) | 14.2 | 109.62283 | 248.59117 | 282.42601 | 20.22203 | 0.3413973 | 2.3658449  | 48687 |
| (66368) | 15.2 | 16.84544  | 162.78030 | 122.30547 | 11.28746 | 0.2124535 | 2.3399699 | 48665 | (66420) | 16.0 | 24.25186  | 204.60247 | 97.89705  | 6.52063  | 0.2262345 | 2.3458160  | 48688 |
| (66369) | 16.3 | 325.21136 | 239.08072 | 95.83712  | 7.70273  | 0.1397103 | 2.3109098 | 48665 | (66421) | 15.1 | 344.39033 | 193.90174 | 131.05801 | 5.95894  | 0.1240826 | 2.4363537  | 48688 |
| (66370) | 16.0 | 347.08465 | 47.18838  | 256.14592 | 1.82160  | 0.1786250 | 2.3814435 | 48666 | (66422) | 16.6 | 334.01056 | 202.96739 | 146.71339 | 1.95667  | 0.2105641 | 2.4330977  | 48689 |
| (66371) | 16.3 | 330.72184 | 208.01371 | 128.88999 | 3.16417  | 0.2342542 | 2.3521701 | 48666 | (66423) | 15.0 | 58.56484  | 125.96222 | 130.01867 | 5.41998  | 0.1966380 | 2.3422374  | 48689 |
| (66372) | 15.4 | 54.02993  | 280.71188 | 294.28785 | 2.76119  | 0.1556856 | 2.3770574 | 48666 | (66424) | 15.2 | 58.26401  | 136.15514 | 127.10026 | 5.53463  | 0.1591573 | 2.3318030  | 48689 |
| (66373) | 14.8 | 356.45085 | 35.33498  | 266.52401 | 6.35056  | 0.1153633 | 2.3292210 | 48667 | (66425) | 15.3 | 7.08015   | 208.16628 | 102.33064 | 3.78466  | 0.2407222 | 2.4178338  | 48690 |
| (66374) | 15.2 | 30.01798  | 203.73606 | 60.12988  | 7.83434  | 0.1299880 | 2.3455374 | 48667 | (66426) | 15.6 | 334.68062 | 259.33463 | 82.77127  | 7.84506  | 0.1896980 | 2.4460931  | 48690 |
| (66375) | 15.5 | 3.10604   | 232.92925 | 97.06516  | 8.76642  | 0.1625543 | 2.2552494 | 48668 | (66427) | 15.8 | 21.09389  | 17.11220  | 289.26761 | 4.10028  | 0.1235776 | 2.3620410  | 48690 |
| (66376) | 15.2 | 17.22154  | 269.12430 | 54.60984  | 3.20357  | 0.1569808 | 2.2316540 | 48668 | (66428) | 16.5 | 44.68539  | 113.91333 | 143.34114 | 1.84366  | 0.1545518 | 2.4264591  | 48691 |
| (66377) | 15.5 | 61.76772  | 11.25628  | 246.52240 | 5.29244  | 0.1291470 | 2.2544715 | 48669 | (66429) | 15.3 | 313.00154 | 29.11523  | 336.18085 | 8.20064  | 0.2747679 | 2.5284437  | 48691 |
| (66378) | 15.3 | 177.20278 | 111.13287 | 38.57481  | 3.29029  | 0.0401113 | 2.2083298 | 48669 | (66430) | 15.9 | 355.29328 | 216.92868 | 113.72439 | 10.05425 | 0.2610445 | 2.4518147  | 48691 |
| (66379) | 15.5 | 31.57951  | 37.19269  | 206.80517 | 6.92321  | 0.2003950 | 2.4125366 | 48670 | (66431) | 16.4 | 351.41108 | 151.73342 | 156.30393 | 7.35805  | 0.1509783 | 2.4319111  | 48692 |
| (66380) | 16.2 | 342.58018 | 78.56940  | 228.31035 | 5.87595  | 0.1442888 | 2.3467136 | 48670 | (66432) | 15.1 | 344.87740 | 80.31530  | 251.86944 | 8.72682  | 0.2753568 | 2.4269649  | 48692 |
| (66381) | 15.9 | 353.23696 | 77.30002  | 225.49434 | 4.90575  | 0.2172334 | 2.3880108 | 48670 | (66433) | 14.6 | 321.64465 | 80.59741  | 295.67763 | 20.91127 | 0.2937517 | 2.4561596  | 48692 |
| (66382) | 15.7 | 2.11299   | 348.28591 | 298.91623 | 3.95065  | 0.2063893 | 2.3990185 | 48670 | (66434) | 15.9 | 342.74531 | 43.57120  | 291.98925 | 9.17553  | 0.2317363 | 2.4666843  | 48692 |
| (66383) | 16.9 | 356.35145 | 174.83178 | 122.67795 | 3.71385  | 0.2418520 | 2.3577086 | 48671 | (66435) | 15.6 | 339.22359 | 161.17999 | 177.08306 | 2.48873  | 0.2016507 | 2.4349182  | 48693 |
| (66384) | 16.7 | 51.69316  | 340.69933 | 248.52635 | 2.04467  | 0.1169808 | 2.3597428 | 48671 | (66436) | 15.0 | 17.13662  | 73.25754  | 198.47990 | 11.67555 | 0.1187017 | 2.5122543  | 48693 |
| (66385) | 17.2 | 30.86531  | 21.77568  | 217.38410 | 1.71460  | 0.1662049 | 2.4241009 | 48672 | (66437) | 15.3 | 10.41120  | 25.93404  | 227.18182 | 12.14528 | 0.2282648 | 2.6113175  | 48694 |
| (66386) | 16.4 | 1.93501   | 136.06865 | 181.83015 | 5.16273  | 0.1911071 | 2.2451092 | 48672 | (66438) | 14.8 | 324.85228 | 109.21405 | 215.60630 | 10.82540 | 0.1828169 | 2.6051697  | 48694 |
| (66387) | 16.9 | 51.53767  | 46.24489  | 194.03656 | 1.02176  | 0.1863681 | 2.2953575 | 48672 | (66439) | 13.8 | 273.70247 | 127.68518 | 256.72715 | 13.76630 | 0.1343933 | 2.6419685  | 48694 |
| (66388) | 15.9 | 315.80724 | 246.08056 | 53.67287  | 15.27145 | 0.2408486 | 2.5807553 | 48672 | (66440) | 14.4 | 299.52792 | 87.35010  | 272.08593 | 13.12962 | 0.1062862 | 2.6175297  | 48694 |
| (66389) | 16.2 | 256.38147 | 55.25550  | 200.41671 | 1.04398  | 0.0164179 | 2.9089266 | 48673 | (66441) | 14.8 | 28.70032  | 347.70119 | 282.53665 | 13.42675 | 0.1391885 | 2.5463987  | 48695 |
| (66390) | 14.1 | 13.73782  | 47.02026  | 65.42518  | 10.23421 | 0.0656997 | 3.1700219 | 48673 | (66442) | 14.4 | 317.10262 | 131.91582 | 209.37678 | 14.43330 | 0.2191537 | 2.6402352  | 48695 |
| (66391) | 16.5 | 122.62408 | 192.59506 | 244.93620 | 38.89114 | 0.6884188 | 0.6422759 | 48673 | (66443) | 15.4 | 349.73294 | 114.45603 | 161.79196 | 13.42625 | 0.2519276 | 2.5691403  | 48696 |
| (66392) | 15.8 | 29.93262  | 299.24710 | 249.39396 | 2.09449  | 0.1061686 | 2.5926875 | 48677 | (66444) | 14.3 | 336.34141 | 35.50004  | 252.52292 | 11.02358 | 0.1880738 | 2.6589896  | 48696 |
| (66393) | 15.3 | 24.04668  | 69.86231  | 218.13927 | 6.00221  | 0.1135689 | 2.2840787 | 48678 | (66445) | 15.2 | 269.85589 | 154.91575 | 197.79200 | 10.80413 | 0.1037820 | 2.7449375  | 48696 |
| (66394) | 16.5 | 29.92718  | 162.27292 | 80.58851  | 3.05135  | 0.1756169 | 2.4058492 | 48678 | (66446) | 14.8 | 317.58279 | 53.08903  | 258.84963 | 12.17111 | 0.1722670 | 2.6367963  | 48697 |
| (66395) | 16.2 | 22.86532  | 16.12413  | 235.60315 | 2.00903  | 0.1897751 | 2.4174212 | 48679 | (66447) | 15.4 | 9.10272   | 188.04064 | 131.37382 | 7.05062  | 0.1588712 | 2.3969702  | 48697 |
| (66396) | 15.0 | 96.41511  | 288.26248 | 254.81853 | 6.09018  | 0.0721373 | 2.3722540 | 48679 | (66448) | 14.1 | 331.27391 | 99.83625  | 262.44251 | 13.71616 | 0.1713725 | 2.5504250  | 48697 |
| (66397) | 16.4 | 5.03212   | 128.54191 | 188.75799 | 2.89736  | 0.2557936 | 2.3357196 | 48679 | (66449) | 14.6 | 343.60103 | 79.75730  | 259.05815 | 12.95141 | 0.2428573 | 2.5605074  | 48698 |
| (66398) | 15.4 | 14.14725  | 215.44133 | 78.41015  | 6.05523  | 0.2782671 | 2.3691572 | 48680 | (66450) | 14.7 | 350.44583 | 37.77517  | 297.99709 | 14.27969 | 0.1730704 | 2.5751327  | 48698 |
| (66399) | 16.5 | 13.11693  | 191.21172 | 111.17140 | 3.46228  | 0.2197380 | 2.3290110 | 48680 | (66451) | 14.6 | 350.55014 | 55.82375  | 288.90184 | 12.10296 | 0.1994898 | 2.5555064  | 48698 |
| (66400) | 19.7 | 248.21661 | 341.24015 | 79.96946  | 9.07266  | 0.5724454 | 0.8550752 | 48680 | (66452) | 6.9  | 95.15828  | 83.86715  | 134.40607 | 2.66409  | 0.0648223 | 44.7269282 | 48699 |
| (66401) | 15.9 | 325.53166 | 198.10063 | 144.94813 | 9.34107  | 0.2564645 | 2.4083492 | 48681 | (66453) | 15.0 | 329.01050 | 185.46475 | 137.67059 | 14.00112 | 0.2684694 | 2.5862070  | 48699 |
| (66402) | 15.5 | 13.02066  | 141.20247 | 177.88759 | 4.23888  | 0.1899439 | 2.2865184 | 48681 | (66454) | 16.3 | 331.52886 | 202.36242 | 149.55730 | 11.47818 | 0.2704644 | 2.5250739  | 48699 |
| (66403) | 15.8 | 1.01481   | 141.06806 | 166.83258 | 5.12005  | 0.2346176 | 2.3864720 | 48682 | (66455) | 15.5 | 44.75498  | 246.61716 | 340.88904 | 12.01958 | 0.2698864 | 2.6216596  | 48700 |
| (66404) | 17.1 | 36.85963  | 207.08078 | 56.76113  | 2.98217  | 0.1930103 | 2.3389371 | 48682 | (66456) | 15.7 | 298.09542 | 235.06695 | 158.98346 | 6.81232  | 0.3436247 | 2.5995159  | 48700 |
| (66405) | 15.7 | 357.04190 | 262.64902 | 81.26188  | 7.34511  | 0.1993727 | 2.2640210 | 48682 | (66457) | 16.8 | 352.46724 | 343.36324 | 318.26660 | 2.50463  | 0.2325527 | 2.5293953  | 48700 |
| (66406) | 15.8 | 195.58659 | 329.91546 | 134.57346 | 5.37671  | 0.0878045 | 2.3114239 | 48683 | (66458) | 16.0 | 312.28566 | 207.85363 | 167.78055 | 6.97000  | 0.3644106 | 2.6056225  | 48700 |
| (66407) | 19.1 | 228.41030 | 320.41914 | 95.07034  | 21.77085 | 0.1201858 | 1.1986064 | 48683 | (66459) | 15.2 | 302.23597 | 157.18531 | 166.15993 | 9.29660  | 0.1602140 | 2.7436639  | 48701 |
| (66408) | 16.5 | 315.98951 | 199.48227 | 152.05881 | 2.70258  | 0.1864940 | 2.3401350 | 48683 | (66460) | 16.3 | 268.55511 | 73.65204  | 339.56378 | 2.37414  | 0.1621406 | 2.6216754  | 48701 |
| (66409) | 14.6 | 329.74944 | 20.88722  | 308.21187 | 14.29967 | 0.1282139 | 2.5629664 | 48684 | (66461) | 15.4 | 27.17803  | 17.19618  | 245.64858 | 4.42442  | 0.1756706 | 2.5459577  | 48702 |
| (66410) | 15.6 | 26.83112  | 341.18799 | 287.83471 | 3.92367  | 0.1849446 | 2.4609059 | 48684 | (66462) | 14.6 | 193.57789 | 177.61289 | 320.99443 | 5.90464  | 0.0870082 | 2.4474460  | 48702 |
| (66411) | 13.8 | 192.83052 | 161.76818 | 298.03558 | 12.02913 | 0.1337036 | 2.5924927 | 48684 | (66463) | 15.5 | 354.47773 | 54.59049  | 309.30484 | 6.82278  | 0.1237047 | 2.3652958  | 48702 |
| (66412) | 15.3 | 1.36097   | 11.22933  | 291.79295 | 8.12424  | 0.1222718 | 2.4876551 | 48685 | (66464) | 16.0 | 347.64301 | 72.52873  | 245.28317 | 3.42168  | 0.2244051 | 2.5554863  | 48703 |
| (66413) | 15.1 | 338.59670 | 12.19467  | 297.89110 | 13.39303 | 0.1689555 | 2.5711488 | 48685 | (66465) | 15.3 | 333.53011 | 305.27811 | 19.69436  | 4.11801  | 0.1164729 | 2.6131155  | 48703 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (66466) | 15.6 | 294.66045 | 55.85341  | 347.41404 | 4.56585  | 0.3066718 | 2.5806089 | 48703 | (66518) | 15.7 | 350.03136 | 148.23461 | 211.12462 | 5.52934  | 0.2595317 | 2.3629803 | 48723 |
| (66467) | 15.9 | 6.89957   | 157.53806 | 167.02705 | 5.46406  | 0.1999602 | 2.4498793 | 48704 | (66519) | 14.3 | 277.83307 | 81.22939  | 255.07020 | 8.45011  | 0.1485795 | 2.8116504 | 48723 |
| (66468) | 15.5 | 234.18808 | 182.11971 | 256.14545 | 2.87290  | 0.1282829 | 2.6715406 | 48704 | (66520) | 14.9 | 296.46912 | 136.21734 | 238.50203 | 10.99620 | 0.2082677 | 2.6170407 | 48724 |
| (66469) | 14.4 | 117.83594 | 211.23333 | 336.33083 | 14.55811 | 0.0578210 | 2.6341575 | 48705 | (66521) | 15.5 | 320.87743 | 115.48408 | 180.90833 | 6.16110  | 0.1233543 | 2.8149557 | 48724 |
| (66470) | 15.8 | 333.63153 | 123.60945 | 181.96579 | 12.85192 | 0.2715748 | 2.6780823 | 48705 | (66522) | 13.8 | 187.47581 | 216.12279 | 270.40379 | 13.09156 | 0.1093557 | 2.5861511 | 48725 |
| (66471) | 15.7 | 10.76246  | 300.32633 | 345.41207 | 14.24684 | 0.2283563 | 2.5714645 | 48705 | (66523) | 14.9 | 306.26849 | 105.73819 | 236.31170 | 7.02679  | 0.2724575 | 2.6890558 | 48725 |
| (66472) | 15.6 | 341.32619 | 280.54719 | 43.25454  | 1.06947  | 0.1372664 | 2.6378832 | 48706 | (66524) | 14.6 | 285.32360 | 64.95572  | 307.56534 | 12.55693 | 0.0821929 | 2.6620780 | 48725 |
| (66473) | 15.3 | 288.53431 | 120.49137 | 266.77886 | 2.16536  | 0.2159310 | 2.6868929 | 48706 | (66525) | 15.1 | 323.82252 | 179.63606 | 214.64298 | 12.22250 | 0.2188560 | 2.4315637 | 48726 |
| (66474) | 15.8 | 319.87906 | 170.10810 | 184.65776 | 13.74933 | 0.1963919 | 2.6239744 | 48706 | (66526) | 15.4 | 296.86912 | 194.17433 | 187.37743 | 15.71796 | 0.1115774 | 2.5873248 | 48726 |
| (66475) | 14.6 | 12.61647  | 133.05172 | 167.02001 | 15.32220 | 0.1380286 | 2.5836212 | 48707 | (66527) | 15.6 | 314.54240 | 68.23888  | 278.09384 | 9.25246  | 0.1072872 | 2.6568245 | 48726 |
| (66476) | 15.1 | 103.26719 | 60.96485  | 138.29798 | 4.83316  | 0.0328685 | 2.7245035 | 48707 | (66528) | 14.3 | 286.49618 | 160.96587 | 224.38131 | 14.50524 | 0.1354026 | 2.6663952 | 48727 |
| (66477) | 15.2 | 26.40948  | 346.67061 | 287.02046 | 3.20665  | 0.2475603 | 2.5695900 | 48708 | (66529) | 15.4 | 9.49738   | 58.55262  | 216.74521 | 8.17010  | 0.0789527 | 2.6989861 | 48727 |
| (66478) | 16.1 | 304.11811 | 214.47661 | 163.25952 | 4.28856  | 0.2035776 | 2.6233551 | 48708 | (66530) | 14.9 | 65.82867  | 286.96341 | 311.96746 | 12.34056 | 0.1209856 | 2.5846664 | 48727 |
| (66479) | 14.6 | 239.38558 | 283.57095 | 161.40864 | 8.02859  | 0.2203246 | 2.6924252 | 48709 | (66531) | 15.1 | 324.01509 | 114.33219 | 233.03975 | 11.50406 | 0.1385442 | 2.6342935 | 48728 |
| (66480) | 15.0 | 255.88703 | 262.83796 | 175.52849 | 11.32943 | 0.1628109 | 2.6462271 | 48709 | (66532) | 15.2 | 329.35761 | 23.69318  | 333.38978 | 8.28952  | 0.1336580 | 2.6236858 | 48728 |
| (66481) | 13.7 | 26.19809  | 313.80000 | 34.98304  | 22.61669 | 0.1337696 | 2.4304625 | 48709 | (66533) | 15.5 | 358.25329 | 10.28926  | 311.14638 | 12.24806 | 0.2157138 | 2.4269710 | 48728 |
| (66482) | 14.7 | 273.07705 | 223.60207 | 189.04722 | 12.56182 | 0.1577701 | 2.6873625 | 48710 | (66534) | 15.6 | 7.69545   | 124.17678 | 173.63966 | 6.34416  | 0.1447259 | 2.4671631 | 48729 |
| (66483) | 14.8 | 270.92255 | 344.63099 | 91.36017  | 6.98775  | 0.2553831 | 2.5435793 | 48710 | (66535) | 15.3 | 290.76426 | 171.73685 | 193.65271 | 14.08201 | 0.1336118 | 2.6044367 | 48729 |
| (66484) | 16.0 | 350.40264 | 110.75471 | 226.09049 | 7.36460  | 0.1535356 | 2.4620383 | 48711 | (66536) | 14.8 | 1.48855   | 172.67973 | 121.47480 | 6.19326  | 0.1081793 | 2.5627154 | 48729 |
| (66485) | 13.9 | 63.11939  | 262.87850 | 349.04688 | 13.87366 | 0.0832862 | 2.6051460 | 48711 | (66537) | 15.3 | 311.78000 | 205.90585 | 160.35917 | 5.15469  | 0.1482571 | 2.5213109 | 48730 |
| (66486) | 16.2 | 301.56577 | 57.32163  | 334.83580 | 3.72045  | 0.1452667 | 2.6831182 | 48712 | (66538) | 15.1 | 317.52354 | 162.24804 | 189.26179 | 15.11959 | 0.1697776 | 2.5492338 | 48730 |
| (66487) | 14.2 | 316.43693 | 308.54966 | 41.66930  | 4.54855  | 0.2119526 | 2.8036096 | 48712 | (66539) | 15.1 | 331.98297 | 61.83176  | 263.65339 | 7.39227  | 0.2417029 | 2.5721407 | 48730 |
| (66488) | 14.5 | 106.60277 | 223.61819 | 358.42196 | 14.82269 | 0.0337940 | 2.5869426 | 48713 | (66540) | 15.7 | 327.55056 | 176.80946 | 183.13374 | 4.83939  | 0.1834714 | 2.4772198 | 48731 |
| (66489) | 15.2 | 330.19449 | 321.83629 | 57.11130  | 5.80088  | 0.2706430 | 2.5351496 | 48713 | (66541) | 15.0 | 306.51379 | 238.82988 | 172.87666 | 9.18636  | 0.2020577 | 2.3929107 | 48731 |
| (66490) | 15.6 | 311.18556 | 68.28073  | 334.52510 | 12.90127 | 0.3025166 | 2.4406320 | 48713 | (66542) | 15.0 | 321.70578 | 133.83741 | 175.32850 | 12.33508 | 0.1760983 | 2.6856981 | 48731 |
| (66491) | 15.7 | 331.80247 | 279.92379 | 98.57682  | 3.76047  | 0.3158371 | 2.4417526 | 48714 | (66543) | 15.8 | 19.45866  | 108.69530 | 196.58390 | 8.37713  | 0.1083457 | 2.4254378 | 48732 |
| (66492) | 15.4 | 266.91289 | 148.62984 | 174.39393 | 9.50825  | 0.1183424 | 3.0074713 | 48714 | (66544) | 16.2 | 285.21731 | 222.32042 | 166.97621 | 8.23690  | 0.1991048 | 2.5870891 | 48732 |
| (66493) | 15.9 | 352.63548 | 132.34162 | 166.49490 | 13.71127 | 0.2090427 | 2.5713581 | 48714 | (66545) | 16.0 | 314.15718 | 186.01121 | 175.18442 | 1.88706  | 0.1901190 | 2.5446674 | 48732 |
| (66494) | 15.4 | 306.98154 | 177.27779 | 140.11945 | 10.18963 | 0.1607972 | 2.7613379 | 48715 | (66546) | 15.4 | 324.10922 | 186.88754 | 174.77831 | 16.40616 | 0.1421507 | 2.4823590 | 48733 |
| (66495) | 16.1 | 2.06400   | 313.75661 | 5.55662   | 6.30403  | 0.2230061 | 2.4572861 | 48715 | (66547) | 14.4 | 318.92078 | 57.59016  | 306.42777 | 8.99296  | 0.1326510 | 2.5825684 | 48733 |
| (66496) | 15.6 | 56.93178  | 282.89129 | 343.37500 | 3.96357  | 0.1413504 | 2.4246049 | 48715 | (66548) | 13.9 | 299.36152 | 51.95809  | 327.74618 | 12.35668 | 0.2015803 | 2.6400185 | 48733 |
| (66497) | 15.8 | 308.55743 | 225.93912 | 135.57212 | 4.47147  | 0.1155923 | 2.5859195 | 48716 | (66549) | 15.7 | 316.92688 | 186.26318 | 169.10987 | 7.67178  | 0.2018775 | 2.5938094 | 48734 |
| (66498) | 15.6 | 271.06817 | 215.51777 | 187.90455 | 11.11207 | 0.1026095 | 2.6074475 | 48716 | (66550) | 16.6 | 279.80254 | 236.25795 | 171.34536 | 4.42255  | 0.2054234 | 2.5980260 | 48734 |
| (66499) | 16.1 | 357.70536 | 343.44505 | 5.47603   | 4.70843  | 0.1835891 | 2.4144276 | 48716 | (66551) | 14.8 | 333.30851 | 137.26451 | 154.35592 | 17.84697 | 0.1210762 | 2.7225860 | 48735 |
| (66500) | 15.9 | 28.87405  | 23.23399  | 257.93099 | 4.29383  | 0.0709837 | 2.5638667 | 48716 | (66552) | 15.0 | 249.92345 | 142.94184 | 320.55225 | 6.20676  | 0.0906750 | 2.3752619 | 48735 |
| (66501) | 15.4 | 252.58321 | 194.43971 | 250.17348 | 4.57214  | 0.2231581 | 2.6022600 | 48717 | (66553) | 15.3 | 274.84944 | 100.94455 | 304.34967 | 6.58992  | 0.1934855 | 2.5902131 | 48735 |
| (66502) | 14.2 | 269.41408 | 231.46733 | 187.11190 | 14.99542 | 0.1389903 | 2.5945003 | 48717 | (66554) | 14.7 | 235.92219 | 140.45316 | 301.87017 | 10.06803 | 0.1479920 | 2.5905330 | 48736 |
| (66503) | 15.7 | 310.63946 | 222.07069 | 149.76103 | 5.93074  | 0.1668371 | 2.5815469 | 48717 | (66555) | 14.8 | 316.45009 | 57.40791  | 296.35552 | 5.64713  | 0.1677766 | 2.5730272 | 48736 |
| (66504) | 16.0 | 346.53913 | 343.63393 | 341.68593 | 3.47949  | 0.1899558 | 2.5602774 | 48718 | (66556) | 14.0 | 256.14551 | 199.16422 | 232.10059 | 6.17664  | 0.2855444 | 2.6348108 | 48737 |
| (66505) | 15.6 | 291.70489 | 246.59150 | 162.51723 | 13.07730 | 0.1995785 | 2.5494446 | 48718 | (66557) | 15.4 | 356.69224 | 105.15945 | 191.19541 | 12.44718 | 0.1873059 | 2.5772721 | 48737 |
| (66506) | 15.6 | 238.69757 | 127.91154 | 327.03828 | 6.20035  | 0.1222689 | 2.5858757 | 48719 | (66558) | 15.1 | 29.90239  | 293.05215 | 327.71716 | 13.40693 | 0.1359480 | 2.5692471 | 48737 |
| (66507) | 15.4 | 266.56684 | 199.80834 | 211.18692 | 5.37207  | 0.1050527 | 2.6497117 | 48719 | (66559) | 15.4 | 286.35958 | 187.74394 | 161.33421 | 10.19061 | 0.2090840 | 2.7654697 | 48738 |
| (66508) | 15.7 | 337.29918 | 325.49946 | 11.63147  | 6.37681  | 0.2810508 | 2.5640197 | 48719 | (66560) | 15.1 | 91.44112  | 146.53785 | 87.94223  | 2.33569  | 0.1413205 | 2.3899437 | 48738 |
| (66509) | 15.1 | 338.08427 | 201.72639 | 170.76810 | 6.02096  | 0.1115224 | 2.4565890 | 48720 | (66561) | 15.7 | 339.49735 | 4.70782   | 358.33313 | 6.42142  | 0.2173025 | 2.4386326 | 48739 |
| (66510) | 13.8 | 119.38522 | 187.59971 | 13.06783  | 14.56217 | 0.1218733 | 2.5672996 | 48720 | (66562) | 16.2 | 338.97803 | 213.26870 | 101.15955 | 0.53887  | 0.2038965 | 2.5930132 | 48739 |
| (66511) | 16.6 | 335.17222 | 166.60475 | 193.49218 | 0.56885  | 0.1919047 | 2.5238289 | 48721 | (66563) | 16.4 | 26.51373  | 49.29986  | 327.92825 | 3.50794  | 0.1327950 | 2.1930394 | 48739 |
| (66512) | 15.3 | 321.17292 | 26.87677  | 353.02536 | 6.21207  | 0.2620096 | 2.5371888 | 48721 | (66564) | 15.4 | 318.91894 | 227.96590 | 166.31152 | 5.57434  | 0.1794307 | 2.4227501 | 48740 |
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| (66514) | 14.7 | 279.10245 | 276.90860 | 68.44333  | 2.74548  | 0.0974723 | 2.9508500 | 48722 | (66566) | 14.8 | 335.12494 | 42.91741  | 336.26475 | 6.99178  | 0.0722253 | 2.3575335 | 48740 |
| (66515) | 16.3 | 290.64838 | 39.20493  | 0.31663   | 0.71921  | 0.1820109 | 2.5950104 | 48722 | (66567) | 16.4 | 305.79726 | 144.08949 | 241.83984 | 1.18633  | 0.2020777 | 2.5216509 | 48741 |
| (66516) | 16.4 | 295.16047 | 263.87457 | 128.87893 | 5.81754  | 0.1334258 | 2.5898223 | 48722 | (66568) | 15.4 | 301.81483 | 275.94222 | 115.61521 | 3.40157  | 0.1864647 | 2.5784688 | 48741 |
| (66517) | 15.4 | 254.73635 | 262.28371 | 174.07280 | 3.45479  | 0.1488936 | 2.6311901 | 48723 | (66569) | 15.6 | 319.04057 | 35.26362  | 324.34000 | 12.90417 | 0.2043446 | 2.5548271 | 48741 |

|         |      |           |           |           |          |            |           |       |         |      |           |           |           |          |           |            |       |
|---------|------|-----------|-----------|-----------|----------|------------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|------------|-------|
| (66570) | 15.5 | 274.71639 | 136.11837 | 274.18110 | 3.65925  | 0.1486720  | 2.5584126 | 48742 | (66622) | 15.4 | 339.08965 | 20.93838  | 292.35611 | 8.29885  | 0.0954988 | 2.7368098  | 48761 |
| (66571) | 15.2 | 269.48985 | 184.19146 | 270.08148 | 5.43846  | 0.0561717  | 2.3500696 | 48742 | (66623) | 14.0 | 118.96992 | 239.86200 | 317.06801 | 11.82405 | 0.1091725 | 2.6376522  | 48761 |
| (66572) | 16.3 | 88.51372  | 302.96034 | 322.24016 | 4.15807  | 0.1505972  | 2.2915158 | 48742 | (66624) | 15.1 | 349.74873 | 349.46229 | 320.67439 | 13.04158 | 0.1929382 | 2.6435454  | 48762 |
| (66573) | 14.9 | 8.75796   | 77.90868  | 231.29533 | 13.09352 | 0.1654146  | 2.5945698 | 48743 | (66625) | 15.1 | 237.26147 | 148.78128 | 296.60276 | 13.52577 | 0.1104668 | 2.6865346  | 48762 |
| (66574) | 16.0 | 314.95533 | 186.07940 | 191.34546 | 4.61218  | 0.3181854  | 2.5489940 | 48743 | (66626) | 14.3 | 36.82168  | 332.24392 | 307.87858 | 14.01346 | 0.1996555 | 2.5292072  | 48762 |
| (66575) | 15.2 | 268.26780 | 198.04717 | 182.08153 | 9.98061  | 0.2326458  | 2.7826571 | 48743 | (66627) | 15.1 | 277.21480 | 189.09929 | 227.16622 | 13.78693 | 0.0824144 | 2.6079480  | 48763 |
| (66576) | 15.0 | 353.48706 | 66.19552  | 298.11404 | 5.24147  | 0.1513860  | 2.3761687 | 48744 | (66628) | 15.3 | 358.05266 | 84.88194  | 220.10696 | 15.74053 | 0.2332837 | 2.6161502  | 48763 |
| (66577) | 14.9 | 227.57987 | 132.46102 | 324.47321 | 12.73149 | 0.1207993  | 2.5719885 | 48744 | (66629) | 14.3 | 254.29957 | 141.89960 | 281.44390 | 8.34561  | 0.1481356 | 2.7451660  | 48763 |
| (66578) | 15.1 | 218.02463 | 224.23245 | 249.98413 | 5.31847  | 0.2026730  | 2.5703216 | 48744 | (66630) | 15.6 | 338.11772 | 94.87542  | 231.78556 | 7.25370  | 0.2231596 | 2.6424489  | 48764 |
| (66579) | 15.4 | 280.14477 | 92.44886  | 308.30488 | 3.18234  | 0.1844213  | 2.6046698 | 48745 | (66631) | 15.8 | 326.69696 | 113.85076 | 233.26556 | 12.69026 | 0.1991362 | 2.6469606  | 48764 |
| (66580) | 15.4 | 347.22051 | 94.79292  | 218.04643 | 4.18485  | 0.0974296  | 2.6064524 | 48745 | (66632) | 13.7 | 98.46706  | 267.79822 | 328.80962 | 12.86658 | 0.1454880 | 2.5417671  | 48765 |
| (66581) | 15.9 | 257.73379 | 198.42287 | 235.11576 | 4.07768  | 0.0659235  | 2.5138388 | 48746 | (66633) | 14.1 | 44.69903  | 281.23422 | 335.89950 | 10.61171 | 0.2188607 | 2.6834368  | 48765 |
| (66582) | 16.4 | 330.42558 | 141.58215 | 203.74822 | 5.04356  | 0.2897461  | 2.5589843 | 48746 | (66634) | 15.2 | 265.21500 | 205.65924 | 226.23824 | 10.22751 | 0.1867044 | 2.6377145  | 48766 |
| (66583) | 14.6 | 302.85281 | 169.23357 | 198.63922 | 3.60670  | 0.2467771  | 2.6336624 | 48747 | (66635) | 14.3 | 197.85880 | 233.19250 | 232.93913 | 14.11838 | 0.1073787 | 2.8530681  | 48766 |
| (66584) | 15.0 | 274.14065 | 73.20455  | 327.66674 | 13.97285 | 0.1194488  | 2.6077190 | 48747 | (66636) | 15.0 | 234.74177 | 238.34437 | 224.78111 | 11.06375 | 0.1388189 | 2.6799299  | 48766 |
| (66585) | 14.7 | 66.99970  | 255.58667 | 328.30758 | 9.83401  | 0.1806261  | 2.5891084 | 48747 | (66637) | 15.8 | 319.05968 | 53.80091  | 310.74176 | 9.10209  | 0.1174967 | 2.6289223  | 48767 |
| (66586) | 15.6 | 261.31903 | 96.06653  | 331.12723 | 4.33260  | 0.2007141  | 2.6081569 | 48748 | (66638) | 14.9 | 10.10111  | 94.24446  | 159.98488 | 12.38351 | 0.1259304 | 2.6643306  | 48767 |
| (66587) | 15.0 | 318.26624 | 6.01559   | 19.74752  | 9.41477  | 0.1481843  | 2.4658955 | 48748 | (66639) | 15.4 | 312.96890 | 242.72285 | 143.28378 | 12.33839 | 0.2777173 | 2.5505114  | 48767 |
| (66588) | 15.1 | 345.09634 | 124.42141 | 163.15427 | 13.61654 | 0.1926309  | 2.7077991 | 48749 | (66640) | 16.6 | 326.48319 | 99.74623  | 270.17995 | 3.77918  | 0.2903928 | 2.5222233  | 48768 |
| (66589) | 15.8 | 345.57891 | 357.84629 | 4.74882   | 2.54022  | 0.1792992  | 2.4330973 | 48749 | (66641) | 15.4 | 8.51478   | 123.09287 | 170.70266 | 3.29872  | 0.0385649 | 2.6889315  | 48768 |
| (66590) | 15.4 | 302.82377 | 62.21834  | 315.24232 | 2.38805  | 0.2885790  | 2.6207834 | 48749 | (66642) | 15.2 | 28.67879  | 306.32732 | 301.60342 | 10.55879 | 0.1612451 | 2.6443908  | 48768 |
| (66591) | 14.0 | 297.40596 | 309.21638 | 356.12903 | 10.02013 | 0.0963977  | 2.9870645 | 48750 | (66643) | 14.7 | 348.77741 | 210.22796 | 106.50341 | 7.36306  | 0.1478575 | 2.5341936  | 48769 |
| (66592) | 14.2 | 227.52629 | 279.06582 | 161.40627 | 13.21520 | 0.2025513  | 2.7618216 | 48750 | (66644) | 14.7 | 292.88638 | 283.02418 | 98.43845  | 8.94089  | 0.2007975 | 2.6138875  | 48769 |
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| (66594) | 15.4 | 355.74431 | 121.51970 | 179.48529 | 13.25333 | 0.1941303  | 2.6090914 | 48751 | (66646) | 15.0 | 308.41222 | 219.38608 | 144.71781 | 12.54261 | 0.2045999 | 2.6676155  | 48769 |
| (66595) | 15.2 | 3.73437   | 153.92515 | 147.79943 | 9.16141  | 0.2076459  | 2.5466853 | 48751 | (66647) | 15.2 | 30.57448  | 356.97758 | 287.62331 | 13.09458 | 0.0994780 | 2.6083016  | 48770 |
| (66596) | 15.1 | 24.90017  | 198.27382 | 60.63709  | 5.49505  | 0.2524172  | 2.5955410 | 48752 | (66648) | 15.5 | 262.92469 | 232.18329 | 131.57693 | 11.88402 | 0.1688351 | 2.8559721  | 48770 |
| (66597) | 16.5 | 5.90166   | 146.48984 | 144.72223 | 6.26901  | 0.2754797  | 2.5524359 | 48752 | (66649) | 14.5 | 347.96761 | 156.67620 | 140.11608 | 15.34618 | 0.1886087 | 2.6340380  | 48770 |
| (66598) | 15.6 | 21.67080  | 320.82143 | 350.31352 | 4.49600  | 0.1877777  | 2.4439381 | 48752 | (66650) | 16.6 | 308.15987 | 294.77164 | 91.28565  | 6.30385  | 0.2110779 | 2.5382592  | 48771 |
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| (66600) | 15.5 | 316.75703 | 291.69939 | 61.17167  | 4.62892  | 0.2044764  | 2.6220888 | 48753 | (66652) | 5.9  | 43.87420  | 195.51420 | 84.61690  | 0.56284  | 0.0853686 | 43.5828728 | 48771 |
| (66601) | 15.4 | 26.88303  | 115.17483 | 144.38879 | 12.09010 | 0.2582059  | 2.5595144 | 48753 | (66653) | 14.8 | 5.92309   | 95.51602  | 144.95077 | 11.79970 | 0.0174089 | 2.5772827  | 48772 |
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| (66617) | 15.9 | 340.62614 | 33.25691  | 254.28201 | 8.96596  | 0.2277032  | 2.7708967 | 48759 | (66669) | 15.5 | 257.47541 | 242.50844 | 189.08937 | 10.82491 | 0.1048183 | 2.6693039  | 48778 |
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|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (66778) | 15.7 | 312.47266 | 274.26738 | 99.34555  | 5.12871  | 0.1176914 | 2.6393308 | 48816 | (66830) | 14.7 | 331.61107 | 356.16936 | 354.76599 | 13.98213 | 0.1833471 | 2.6181919 | 48834 |
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| (66780) | 15.1 | 356.72524 | 10.84955  | 308.20402 | 13.68719 | 0.1726610 | 2.5895959 | 48817 | (66832) | 14.9 | 352.32098 | 16.35701  | 303.58963 | 10.97528 | 0.1518054 | 2.6385886 | 48834 |
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| (66783) | 14.0 | 225.56658 | 225.50669 | 266.04129 | 14.24464 | 0.0402522 | 2.5604181 | 48818 | (66835) | 14.2 | 324.10939 | 37.19357  | 259.60454 | 8.73727  | 0.0866787 | 3.0185976 | 48835 |
| (66784) | 16.3 | 359.66181 | 144.88880 | 166.13231 | 4.90260  | 0.1681660 | 2.5907813 | 48818 | (66836) | 15.4 | 323.20831 | 166.19152 | 180.95661 | 4.19434  | 0.0680647 | 2.7738555 | 48836 |
| (66785) | 15.8 | 315.53091 | 202.15694 | 168.85977 | 7.52856  | 0.1456190 | 2.5915376 | 48818 | (66837) | 15.3 | 348.95046 | 62.84527  | 270.08012 | 12.10867 | 0.1710124 | 2.5485517 | 48836 |
| (66786) | 15.6 | 353.12189 | 149.73205 | 152.54347 | 2.17065  | 0.0575716 | 2.7416283 | 48819 | (66838) | 16.0 | 275.15578 | 57.20209  | 348.56884 | 5.04447  | 0.0463186 | 2.7486857 | 48836 |
| (66787) | 15.4 | 64.23428  | 49.45792  | 179.83683 | 9.52861  | 0.0702033 | 2.7668711 | 48819 | (66839) | 15.5 | 12.09551  | 193.89937 | 111.55703 | 7.09494  | 0.3011396 | 2.6128031 | 48836 |
| (66788) | 15.0 | 297.10748 | 203.74430 | 185.28478 | 7.89991  | 0.1947551 | 2.7774229 | 48819 | (66840) | 15.5 | 326.68338 | 200.54250 | 133.08783 | 9.33221  | 0.2291759 | 2.8074256 | 48837 |
| (66789) | 15.7 | 45.50199  | 101.48185 | 158.66053 | 14.84989 | 0.0899212 | 2.6682341 | 48820 | (66841) | 14.9 | 310.21199 | 248.06489 | 154.89361 | 11.72156 | 0.0300810 | 2.6968848 | 48837 |
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| (66791) | 15.2 | 352.16640 | 7.82605   | 317.31687 | 10.48902 | 0.2200655 | 2.5658657 | 48820 | (66843) | 15.1 | 309.23098 | 175.59316 | 195.85474 | 3.59094  | 0.2348544 | 2.6939692 | 48838 |
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| (66793) | 15.5 | 221.92695 | 323.61502 | 145.25056 | 9.62925  | 0.1135117 | 2.7877976 | 48821 | (66845) | 15.5 | 325.94873 | 196.54953 | 187.80867 | 4.18381  | 0.2059842 | 2.5668916 | 48839 |
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| (66797) | 14.4 | 122.09667 | 318.04224 | 236.74315 | 4.12668  | 0.1500214 | 2.5948966 | 48822 | (66849) | 14.7 | 279.89460 | 345.45360 | 61.04711  | 4.83997  | 0.1512463 | 2.6836459 | 48840 |
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| (66799) | 15.5 | 43.43977  | 3.71066   | 258.38148 | 14.25779 | 0.0499227 | 2.6934379 | 48823 | (66851) | 13.4 | 255.80022 | 359.94737 | 90.56991  | 14.67128 | 0.1232705 | 2.6216536 | 48841 |
| (66800) | 14.7 | 298.23077 | 31.21341  | 283.38942 | 9.96135  | 0.0776132 | 3.1044956 | 48823 | (66852) | 15.1 | 323.58323 | 137.74188 | 229.21705 | 4.18875  | 0.1278095 | 2.7466326 | 48841 |
| (66801) | 14.6 | 358.96919 | 46.47731  | 244.96289 | 8.20190  | 0.1293740 | 2.7664838 | 48823 | (66853) | 15.0 | 333.01519 | 286.42519 | 58.82872  | 12.25056 | 0.3194621 | 2.6439500 | 48842 |
| (66802) | 14.3 | 27.46226  | 32.38635  | 248.77379 | 8.63047  | 0.0264575 | 2.7350533 | 48823 | (66854) | 15.8 | 331.26985 | 135.33559 | 238.17332 | 1.71363  | 0.1861479 | 2.5612479 | 48842 |
| (66803) | 12.5 | 217.81720 | 157.24178 | 269.53921 | 35.15831 | 0.1379639 | 2.7750375 | 48824 | (66855) | 13.6 | 327.99934 | 329.14735 | 7.81384   | 7.16503  | 0.1043362 | 2.7688878 | 48842 |
| (66804) | 15.0 | 51.63563  | 108.07935 | 148.98401 | 13.16967 | 0.1582136 | 2.6010236 | 48824 | (66856) | 14.0 | 59.17858  | 137.98478 | 129.76440 | 15.60950 | 0.0195267 | 2.6687484 | 48843 |
| (66805) | 15.4 | 331.66808 | 220.09374 | 106.68298 | 9.92768  | 0.2768989 | 2.7718770 | 48824 | (66857) | 14.4 | 358.32029 | 67.62411  | 246.79978 | 4.41499  | 0.0871065 | 2.7632285 | 48844 |
| (66806) | 15.2 | 202.39860 | 177.02690 | 287.08871 | 13.76151 | 0.0565141 | 2.6695687 | 48825 | (66858) | 15.5 | 327.66274 | 36.68845  | 351.94426 | 3.66906  | 0.2070970 | 2.5196452 | 48844 |
| (66807) | 14.9 | 151.97896 | 85.80863  | 74.44654  | 2.89421  | 0.0106518 | 2.8032924 | 48825 | (66859) | 14.9 | 256.91229 | 195.51982 | 237.24885 | 14.31392 | 0.1134450 | 2.8531994 | 48845 |
| (66808) | 15.6 | 334.57448 | 237.76055 | 97.39579  | 4.51997  | 0.0522127 | 2.8042600 | 48825 | (66860) | 14.7 | 323.82836 | 116.15453 | 239.47325 | 7.96821  | 0.1733964 | 2.7950718 | 48845 |
| (66809) | 15.1 | 283.92504 | 83.39923  | 122.66162 | 4.19105  | 0.0407773 | 2.7137901 | 48826 | (66861) | 15.8 | 305.03903 | 167.87928 | 210.54730 | 1.79403  | 0.2919346 | 2.7502326 | 48845 |
| (66810) | 14.8 | 16.16699  | 87.23548  | 230.98862 | 13.95097 | 0.2536814 | 2.7058879 | 48826 | (66862) | 14.9 | 312.92623 | 158.20444 | 241.78310 | 7.11522  | 0.1497551 | 2.6849290 | 48846 |
| (66811) | 15.2 | 317.52679 | 155.41359 | 188.70235 | 9.51956  | 0.1621433 | 2.7552106 | 48826 | (66863) | 15.5 | 323.58827 | 131.44276 | 218.10859 | 5.29837  | 0.0385801 | 2.7096298 | 48846 |
| (66812) | 15.8 | 269.50549 | 96.85800  | 318.10781 | 1.29887  | 0.1047329 | 2.7950867 | 48827 | (66864) | 14.5 | 79.42088  | 32.94191  | 218.06924 | 13.94363 | 0.0130706 | 2.6629523 | 48846 |
| (66813) | 13.1 | 211.77690 | 140.56011 | 346.46285 | 13.18118 | 0.1447126 | 2.7696424 | 48827 | (66865) | 15.7 | 326.55437 | 122.14113 | 228.08786 | 9.93323  | 0.1165161 | 2.6985551 | 48847 |
| (66814) | 15.5 | 263.43482 | 175.12511 | 260.74146 | 2.86338  | 0.1091960 | 2.5843078 | 48828 | (66866) | 14.3 | 88.54005  | 239.43143 | 351.90644 | 9.42642  | 0.1422093 | 2.6936999 | 48847 |
| (66815) | 14.8 | 260.68009 | 128.04711 | 274.30043 | 3.76636  | 0.0358645 | 2.7554385 | 48828 | (66867) | 13.9 | 1.53015   | 40.63740  | 286.97421 | 11.86685 | 0.1857043 | 2.6238172 | 48848 |
| (66816) | 15.3 | 240.36824 | 264.70875 | 187.57081 | 8.53694  | 0.1321080 | 2.7478571 | 48828 | (66868) | 15.5 | 337.36763 | 50.39341  | 312.62766 | 7.94550  | 0.1802096 | 2.5716339 | 48848 |
| (66817) | 15.8 | 345.16941 | 154.42828 | 164.28387 | 4.84348  | 0.0946901 | 2.7926095 | 48829 | (66869) | 14.6 | 232.46708 | 173.26698 | 266.58729 | 8.11196  | 0.0881160 | 2.8153108 | 48848 |
| (66818) | 15.3 | 320.34297 | 122.96366 | 237.99719 | 5.34925  | 0.0286372 | 2.7481248 | 48829 | (66870) | 14.2 | 305.40055 | 41.09181  | 317.44737 | 8.23446  | 0.1772794 | 2.7840183 | 48849 |
| (66819) | 15.8 | 344.85416 | 334.07082 | 15.26560  | 9.02307  | 0.1790334 | 2.5302251 | 48829 | (66871) | 15.9 | 323.33370 | 115.74250 | 236.86268 | 9.82391  | 0.2192647 | 2.6962554 | 48849 |
| (66820) | 16.8 | 6.32529   | 126.92439 | 157.44945 | 2.70325  | 0.1595187 | 2.7248362 | 48830 | (66872) | 13.2 | 244.84086 | 52.81805  | 38.82794  | 10.48796 | 0.0602325 | 2.7699387 | 48850 |
| (66821) | 14.8 | 267.97893 | 217.17971 | 196.12204 | 14.94648 | 0.1673406 | 2.7261196 | 48830 | (66873) | 15.5 | 283.39407 | 15.10062  | 29.98604  | 4.56784  | 0.1240072 | 2.7948091 | 48850 |
| (66822) | 15.4 | 326.00691 | 126.71479 | 158.26812 | 0.86218  | 0.1418020 | 3.1494079 | 48830 | (66874) | 15.4 | 258.14665 | 51.52126  | 2.49502   | 1.75910  | 0.1344030 | 2.9315189 | 48850 |
| (66823) | 14.9 | 359.01852 | 69.87153  | 237.12676 | 9.90003  | 0.0880387 | 2.7609720 | 48831 | (66875) | 13.3 | 276.21177 | 185.67717 | 253.74644 | 13.47086 | 0.3749016 | 2.7777738 | 48851 |
| (66824) | 13.7 | 341.68547 | 59.11929  | 256.84242 | 2.88494  | 0.0954640 | 2.7965706 | 48831 | (66876) | 15.5 | 305.03553 | 165.48692 | 219.98974 | 3.51127  | 0.0935083 | 2.6826232 | 48851 |
| (66825) | 16.6 | 188.39050 | 261.06988 | 218.72240 | 2.93154  | 0.0358496 | 2.6746336 | 48832 | (66877) | 15.0 | 222.03456 | 37.95483  | 55.88927  | 5.68426  | 0.0054493 | 2.8109752 | 48851 |
| (66826) | 15.1 | 95.18121  | 16.09677  | 185.15799 | 12.94393 | 0.1047670 | 2.6769270 | 48832 | (66878) | 14.9 | 309.49086 | 148.23504 | 225.73816 | 6.75166  | 0.3657939 | 2.6725713 | 48852 |
| (66827) | 16.1 | 72.99005  | 107.38393 | 175.09881 | 2.40592  | 0.2098495 | 2.3517083 | 48832 | (66879) | 14.4 | 348.62244 | 76.15004  | 225.53154 | 10.49342 | 0.0923928 | 2.9744321 | 48852 |
| (66828) | 15.6 | 353.92482 | 140.18376 | 190.90245 | 11.12982 | 0.2040320 | 2.6321053 | 48833 | (66880) | 14.9 | 314.38677 | 296.39238 | 64.14821  | 5.13408  | 0.2288368 | 2.7495266 | 48853 |
| (66829) | 14.8 | 8.90125   | 18.32958  | 282.10082 | 7.46639  | 0.0691870 | 2.7516792 | 48833 | (66881) | 15.2 | 254.17067 | 352.96288 | 71.45321  | 3.13014  | 0.0738274 | 2.8668220 | 48853 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (66882) | 15.5 | 304.98263 | 195.58619 | 186.62941 | 2.03546  | 0.1125328 | 2.7702259 | 48853 | (66934) | 13.8 | 241.00231 | 59.48098  | 64.46942  | 6.13168  | 0.1078107 | 2.4406025 | 48871 |
| (66883) | 16.0 | 286.35750 | 194.45688 | 192.07967 | 1.68554  | 0.0783304 | 2.8430415 | 48854 | (66935) | 14.9 | 296.71471 | 146.03713 | 246.73561 | 7.85056  | 0.2932464 | 2.7465544 | 48871 |
| (66884) | 15.6 | 335.22256 | 211.08274 | 133.22167 | 1.10938  | 0.0837847 | 2.8014873 | 48854 | (66936) | 13.5 | 295.25104 | 178.49151 | 250.86333 | 12.03172 | 0.1602733 | 2.6877419 | 48872 |
| (66885) | 14.5 | 161.10064 | 272.34349 | 252.58726 | 9.80930  | 0.0538093 | 2.9716251 | 48854 | (66937) | 14.7 | 244.85930 | 4.62659   | 86.37123  | 4.60223  | 0.0501662 | 2.7406643 | 48872 |
| (66886) | 14.3 | 314.11635 | 129.67214 | 268.06228 | 7.51495  | 0.2854287 | 2.7721478 | 48855 | (66938) | 15.6 | 352.71019 | 11.86161  | 336.35651 | 3.26371  | 0.2848684 | 2.5358314 | 48872 |
| (66887) | 16.0 | 21.77004  | 77.63995  | 192.45588 | 8.42023  | 0.1322778 | 2.7423636 | 48855 | (66939) | 14.5 | 305.55068 | 268.55274 | 95.28478  | 10.62342 | 0.0719347 | 2.9648311 | 48873 |
| (66888) | 14.5 | 75.58247  | 252.45569 | 355.08057 | 12.13447 | 0.2261821 | 2.5812382 | 48855 | (66940) | 14.5 | 318.60390 | 65.32240  | 289.88428 | 6.41088  | 0.2443971 | 2.8014416 | 48873 |
| (66889) | 16.1 | 295.07990 | 150.92959 | 226.62197 | 5.15756  | 0.0214022 | 2.7995405 | 48856 | (66941) | 13.7 | 204.04431 | 192.68069 | 284.25656 | 8.36647  | 0.0724405 | 2.9865649 | 48874 |
| (66890) | 14.7 | 265.09803 | 291.42916 | 130.84775 | 3.94422  | 0.1722772 | 2.8835697 | 48856 | (66942) | 15.9 | 269.53045 | 209.10214 | 203.56438 | 1.63235  | 0.2274846 | 2.7400195 | 48874 |
| (66891) | 16.2 | 335.51181 | 188.78727 | 140.34860 | 14.67895 | 0.2913217 | 2.6895356 | 48857 | (66943) | 15.5 | 287.96237 | 5.73009   | 46.61845  | 4.07823  | 0.2019117 | 2.6289363 | 48874 |
| (66892) | 14.2 | 124.19840 | 343.77550 | 214.67649 | 13.79784 | 0.1231522 | 2.6974495 | 48857 | (66944) | 14.9 | 334.65052 | 164.29851 | 209.67106 | 10.59836 | 0.1888814 | 2.6354476 | 48875 |
| (66893) | 15.2 | 312.79038 | 171.54670 | 188.80207 | 8.61428  | 0.2248422 | 2.7199624 | 48857 | (66945) | 13.4 | 204.32960 | 203.64544 | 287.54869 | 8.69077  | 0.0413659 | 2.9786920 | 48875 |
| (66894) | 15.1 | 325.79852 | 142.79446 | 193.09601 | 1.51459  | 0.0774342 | 2.8672329 | 48858 | (66946) | 13.6 | 79.75174  | 334.82675 | 223.21424 | 22.37189 | 0.0600232 | 3.1204145 | 48875 |
| (66895) | 14.6 | 53.29173  | 25.40479  | 225.09999 | 15.69473 | 0.1762259 | 2.8931368 | 48858 | (66947) | 13.9 | 307.67377 | 182.99428 | 199.47918 | 9.08948  | 0.1679280 | 2.7712894 | 48876 |
| (66896) | 15.8 | 259.37243 | 345.45996 | 65.97331  | 1.08518  | 0.0713509 | 2.8937399 | 48858 | (66948) | 15.1 | 255.92084 | 205.38898 | 216.40469 | 0.97572  | 0.0829413 | 2.9052111 | 48876 |
| (66897) | 15.2 | 243.50421 | 156.47400 | 270.08772 | 7.54632  | 0.0828648 | 2.8138501 | 48859 | (66949) | 13.4 | 308.67950 | 68.19130  | 3.78389   | 12.38029 | 0.1552349 | 2.6640339 | 48877 |
| (66898) | 14.4 | 268.03784 | 178.68226 | 259.64361 | 10.66329 | 0.1525663 | 2.6398201 | 48859 | (66950) | 14.5 | 256.05681 | 95.85122  | 305.35927 | 9.43583  | 0.0578048 | 2.9650451 | 48877 |
| (66899) | 13.8 | 293.53120 | 53.28273  | 7.40187   | 13.75022 | 0.1455057 | 2.5760234 | 48859 | (66951) | 14.4 | 335.00647 | 233.11553 | 114.28025 | 9.64732  | 0.1731997 | 2.7411082 | 48877 |
| (66900) | 16.1 | 295.79457 | 205.92105 | 187.42124 | 3.21728  | 0.1097756 | 2.6341615 | 48860 | (66952) | 15.7 | 319.33310 | 308.58453 | 49.27249  | 5.21732  | 0.2487355 | 2.6238607 | 48878 |
| (66901) | 15.1 | 304.43348 | 174.69001 | 195.51431 | 10.43249 | 0.2330058 | 2.7362673 | 48860 | (66953) | 15.5 | 304.16382 | 168.71643 | 202.72523 | 11.76581 | 0.1945236 | 2.6419434 | 48878 |
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| (66903) | 15.1 | 39.28105  | 15.80999  | 232.32334 | 13.88786 | 0.1684604 | 3.1463609 | 48861 | (66955) | 15.4 | 2.10498   | 261.88581 | 63.62762  | 4.99991  | 0.2826501 | 2.5552906 | 48879 |
| (66904) | 14.8 | 267.19366 | 131.40527 | 219.16407 | 9.44221  | 0.1958681 | 3.0714791 | 48861 | (66956) | 17.0 | 221.88695 | 24.48783  | 200.83420 | 5.66140  | 0.0541564 | 2.1792028 | 48879 |
| (66905) | 15.3 | 336.55589 | 102.72878 | 216.19204 | 12.23713 | 0.1874791 | 2.7452206 | 48862 | (66957) | 15.5 | 323.35849 | 199.40578 | 165.36289 | 6.60183  | 0.1455862 | 2.7437115 | 48880 |
| (66906) | 15.4 | 309.94151 | 71.47683  | 296.87225 | 2.65647  | 0.1100276 | 2.7787482 | 48862 | (66958) | 14.6 | 338.95078 | 109.05302 | 215.62488 | 7.75624  | 0.1287653 | 2.8113179 | 48880 |
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| (66908) | 15.3 | 263.52961 | 96.49461  | 311.59008 | 1.25979  | 0.0203515 | 2.8518321 | 48862 | (66960) | 13.9 | 15.85002  | 304.89607 | 18.67990  | 14.08443 | 0.2193125 | 2.5638626 | 48881 |
| (66909) | 15.9 | 314.31174 | 26.44518  | 326.55182 | 1.55267  | 0.0692884 | 2.8326196 | 48863 | (66961) | 15.5 | 349.21656 | 82.51918  | 270.22332 | 2.73115  | 0.2072560 | 2.5821277 | 48882 |
| (66910) | 15.6 | 147.46512 | 222.13004 | 29.48855  | 7.11729  | 0.0794873 | 2.3694853 | 48863 | (66962) | 16.3 | 278.58654 | 113.99756 | 35.21971  | 2.75070  | 0.1542775 | 2.3478340 | 48882 |
| (66911) | 15.1 | 349.93987 | 335.32398 | 15.40406  | 3.66619  | 0.2578091 | 2.5899444 | 48863 | (66963) | 15.0 | 341.34943 | 61.29674  | 315.37870 | 2.12486  | 0.1538141 | 2.5624045 | 48882 |
| (66912) | 15.2 | 117.13953 | 267.37148 | 301.43764 | 0.98370  | 0.0217818 | 2.8580521 | 48864 | (66964) | 14.6 | 175.14630 | 245.42193 | 252.14944 | 8.76226  | 0.0554549 | 3.0090369 | 48883 |
| (66913) | 15.9 | 15.25445  | 261.57264 | 41.73423  | 2.52142  | 0.0418351 | 2.9155908 | 48864 | (66965) | 14.7 | 316.51929 | 93.37835  | 251.70717 | 9.96816  | 0.0810289 | 2.9849395 | 48883 |
| (66914) | 16.7 | 320.37529 | 111.86087 | 350.73353 | 1.13576  | 0.1394399 | 2.3775600 | 48865 | (66966) | 14.3 | 120.01506 | 289.38381 | 254.46926 | 12.43199 | 0.0850515 | 3.1342181 | 48883 |
| (66915) | 13.5 | 72.65358  | 236.52718 | 52.04426  | 8.43820  | 0.1994004 | 2.5802967 | 48865 | (66967) | 14.6 | 217.42841 | 24.48759  | 66.40212  | 0.91884  | 0.0677313 | 3.0506044 | 48884 |
| (66916) | 16.0 | 8.53562   | 321.20194 | 343.87669 | 4.94338  | 0.2780819 | 2.6228680 | 48865 | (66968) | 16.5 | 90.19228  | 101.61988 | 214.40675 | 2.78125  | 0.1486328 | 2.3279251 | 48884 |
| (66917) | 14.2 | 287.99075 | 122.18276 | 260.55111 | 13.66197 | 0.1184565 | 2.5972800 | 48865 | (66969) | 15.1 | 298.37823 | 201.94219 | 188.52162 | 1.59895  | 0.0182520 | 2.8572396 | 48884 |
| (66918) | 15.9 | 292.53628 | 236.32372 | 154.46793 | 4.17772  | 0.2178467 | 2.7337472 | 48866 | (66970) | 14.6 | 331.84207 | 290.36477 | 81.84689  | 7.19865  | 0.0785229 | 2.7263688 | 48884 |
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| (66920) | 15.7 | 315.50116 | 184.06009 | 180.94031 | 11.32296 | 0.0928461 | 2.7257486 | 48866 | (66972) | 16.1 | 271.41583 | 305.37661 | 221.05528 | 5.55746  | 0.0543407 | 2.3538173 | 48885 |
| (66921) | 14.9 | 280.03716 | 192.92068 | 150.63022 | 10.66032 | 0.2595460 | 3.0540808 | 48867 | (66973) | 15.6 | 70.98093  | 96.54755  | 248.32975 | 2.96460  | 0.2051559 | 2.2895894 | 48885 |
| (66922) | 15.6 | 346.78762 | 162.13381 | 194.90322 | 3.46368  | 0.2549356 | 2.5898245 | 48867 | (66974) | 15.0 | 338.77117 | 256.02327 | 85.96176  | 8.96395  | 0.2960238 | 2.7472627 | 48886 |
| (66923) | 16.0 | 258.20256 | 280.27124 | 165.25427 | 3.12398  | 0.1250007 | 2.7342054 | 48867 | (66975) | 14.9 | 277.62305 | 300.31351 | 110.84441 | 2.98068  | 0.1206904 | 2.9264990 | 48886 |
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| (66926) | 14.0 | 269.23120 | 105.31179 | 289.72315 | 3.77897  | 0.1144454 | 2.8490816 | 48868 | (66978) | 14.7 | 244.61834 | 83.77715  | 100.69139 | 9.58571  | 0.1890321 | 2.5605107 | 48887 |
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 (67087) 14.7 303.45037 61.80955 304.76765 5.92716 0.1916757 2.7490274 48923  
 (67088) 14.5 324.13139 106.67452 255.75560 8.81736 0.2015837 2.6353001 48923  
 (67089) 15.1 334.07343 107.45550 275.57210 8.09101 0.1714273 2.5187569 48924

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67090) | 15.1 | 305.69261 | 91.50234  | 285.10424 | 8.71517  | 0.1933254 | 2.7038408 | 48924 | (67142) | 15.0 | 340.07344 | 223.63247 | 128.27232 | 12.37673 | 0.2127610 | 2.7048428 | 48942 |
| (67091) | 15.6 | 343.24066 | 14.72394  | 349.15545 | 5.11348  | 0.1329251 | 2.5749695 | 48925 | (67143) | 14.1 | 331.88709 | 252.11357 | 130.73909 | 9.49332  | 0.2430026 | 2.6205851 | 48942 |
| (67092) | 16.3 | 332.66090 | 52.76514  | 338.98197 | 2.78584  | 0.2518033 | 2.5214689 | 48925 | (67144) | 16.2 | 354.55125 | 185.42730 | 172.96244 | 6.42176  | 0.3056938 | 2.5704844 | 48943 |
| (67093) | 14.1 | 307.88215 | 93.55199  | 300.73105 | 9.87204  | 0.1304044 | 2.9652620 | 48925 | (67145) | 14.5 | 297.89234 | 275.34677 | 138.42177 | 10.19491 | 0.1962963 | 2.7452745 | 48943 |
| (67094) | 14.2 | 267.98703 | 296.68634 | 122.05809 | 11.77931 | 0.1266197 | 3.2442732 | 48925 | (67146) | 14.2 | 267.24074 | 287.02962 | 135.70155 | 11.17446 | 0.1285901 | 2.9697884 | 48944 |
| (67095) | 14.3 | 325.08568 | 18.26710  | 342.84107 | 10.58742 | 0.0724197 | 3.3629210 | 48926 | (67147) | 14.6 | 243.19023 | 285.44421 | 137.49461 | 9.97142  | 0.0911704 | 3.1094127 | 48944 |
| (67096) | 14.7 | 319.91470 | 255.92298 | 154.34710 | 4.14003  | 0.1723972 | 2.6010143 | 48926 | (67148) | 14.3 | 290.61034 | 231.53639 | 154.84985 | 8.09469  | 0.2524729 | 2.7716920 | 48944 |
| (67097) | 15.0 | 297.86109 | 211.12284 | 214.57168 | 1.70926  | 0.0399156 | 2.7056042 | 48926 | (67149) | 14.6 | 286.35200 | 282.29858 | 140.61801 | 9.25629  | 0.2535524 | 2.6813318 | 48945 |
| (67098) | 14.7 | 269.10867 | 158.91667 | 244.12430 | 8.31194  | 0.0756150 | 3.0824507 | 48927 | (67150) | 14.4 | 280.24713 | 272.63013 | 122.30547 | 13.13468 | 0.1960955 | 2.8721025 | 48945 |
| (67099) | 13.6 | 348.81039 | 210.20294 | 120.63197 | 12.37053 | 0.0270084 | 3.0717560 | 48927 | (67151) | 15.0 | 317.79074 | 240.32808 | 124.08641 | 14.17652 | 0.2175588 | 2.7787860 | 48945 |
| (67100) | 13.9 | 202.15701 | 253.87917 | 225.24887 | 6.85350  | 0.2347730 | 3.1870848 | 48927 | (67152) | 14.9 | 317.06982 | 196.82408 | 213.19959 | 11.67347 | 0.2199338 | 2.6268013 | 48946 |
| (67101) | 16.5 | 313.89379 | 197.76620 | 205.93433 | 4.19935  | 0.3128195 | 2.6656873 | 48928 | (67153) | 14.9 | 331.15788 | 258.21760 | 136.36830 | 13.97081 | 0.1727101 | 2.6201276 | 48946 |
| (67102) | 13.4 | 229.01412 | 186.01423 | 263.87878 | 15.49698 | 0.0820645 | 3.1889627 | 48928 | (67154) | 12.9 | 239.52584 | 196.38702 | 257.03739 | 16.81526 | 0.1298318 | 3.1714258 | 48946 |
| (67103) | 15.9 | 304.65629 | 290.08010 | 126.84993 | 10.34588 | 0.2101655 | 2.7287870 | 48928 | (67155) | 13.5 | 58.40248  | 36.57343  | 247.17747 | 15.40540 | 0.0396112 | 3.1708446 | 48946 |
| (67104) | 13.9 | 269.64456 | 301.45501 | 114.35565 | 11.40122 | 0.0938054 | 2.9789044 | 48928 | (67156) | 14.0 | 204.18908 | 271.03471 | 211.85161 | 8.60174  | 0.0901778 | 3.3864039 | 48947 |
| (67105) | 14.1 | 131.21907 | 110.08786 | 128.70571 | 12.39575 | 0.0590542 | 2.9933352 | 48929 | (67157) | 12.6 | 326.37360 | 89.73667  | 282.80524 | 16.24081 | 0.1603562 | 3.1855803 | 48947 |
| (67106) | 13.1 | 268.30298 | 145.48871 | 300.74871 | 20.11202 | 0.0188963 | 3.1601573 | 48929 | (67158) | 13.5 | 128.55947 | 84.63235  | 131.09298 | 13.22558 | 0.1320408 | 2.6468147 | 48947 |
| (67107) | 15.6 | 335.40754 | 198.88318 | 157.93200 | 6.44290  | 0.3008620 | 2.5565936 | 48930 | (67159) | 14.9 | 276.00884 | 270.19810 | 145.77380 | 13.93333 | 0.1825036 | 2.7402982 | 48948 |
| (67108) | 13.8 | 267.41810 | 9.76355   | 80.33183  | 14.24418 | 0.2104647 | 2.6622981 | 48930 | (67160) | 15.6 | 283.54675 | 231.59049 | 172.70272 | 12.89025 | 0.2490468 | 2.7656182 | 48949 |
| (67109) | 15.5 | 318.60663 | 228.76689 | 163.40841 | 4.67898  | 0.2437610 | 2.5782680 | 48930 | (67161) | 13.2 | 313.22250 | 33.33545  | 356.48897 | 11.00519 | 0.0888202 | 3.0316738 | 48949 |
| (67110) | 16.3 | 278.55819 | 258.23835 | 176.89543 | 4.27579  | 0.2669226 | 2.6891400 | 48931 | (67162) | 16.4 | 115.54728 | 216.95634 | 108.59467 | 6.85961  | 0.1303031 | 2.3351438 | 48949 |
| (67111) | 15.2 | 335.86121 | 188.74987 | 181.23316 | 4.66949  | 0.2444540 | 2.5869932 | 48931 | (67163) | 14.5 | 269.88216 | 282.27677 | 160.77309 | 12.45745 | 0.2373223 | 2.7709707 | 48950 |
| (67112) | 13.1 | 327.01744 | 236.25346 | 101.19096 | 16.44652 | 0.1304420 | 2.9746852 | 48931 | (67164) | 14.1 | 66.04180  | 281.75036 | 354.61956 | 13.20672 | 0.0854345 | 2.5937543 | 48950 |
| (67113) | 14.1 | 281.03092 | 240.35419 | 177.44652 | 5.73607  | 0.2241538 | 2.9274890 | 48932 | (67165) | 15.3 | 53.06527  | 10.25695  | 236.81569 | 8.32085  | 0.1020662 | 3.0920310 | 48950 |
| (67114) | 13.4 | 123.06217 | 315.96117 | 252.85617 | 8.64731  | 0.0482998 | 3.2403692 | 48932 | (67166) | 13.3 | 245.56278 | 338.53249 | 107.77459 | 11.32289 | 0.0596268 | 3.2537665 | 48950 |
| (67115) | 14.7 | 249.74945 | 291.20906 | 154.89248 | 6.65862  | 0.1061363 | 3.0958086 | 48933 | (67167) | 15.4 | 257.93943 | 310.95256 | 125.87702 | 2.21642  | 0.1183239 | 3.0835367 | 48951 |
| (67116) | 15.3 | 144.27292 | 129.54182 | 139.44809 | 15.22128 | 0.0187599 | 2.5805486 | 48933 | (67168) | 13.3 | 338.59578 | 6.40852   | 260.64747 | 14.28878 | 0.1588513 | 3.1252463 | 48951 |
| (67117) | 13.9 | 290.61868 | 292.66618 | 142.60535 | 11.07521 | 0.2732221 | 2.7606572 | 48933 | (67169) | 13.6 | 175.34938 | 295.16739 | 219.66856 | 11.49784 | 0.0484181 | 3.3842640 | 48952 |
| (67118) | 16.0 | 84.24604  | 203.69798 | 156.18269 | 6.71463  | 0.1205239 | 2.3687716 | 48934 | (67170) | 13.5 | 242.40130 | 187.84988 | 205.56428 | 16.44783 | 0.1101765 | 3.1099750 | 48952 |
| (67119) | 16.3 | 271.27143 | 11.35383  | 211.38754 | 4.73107  | 0.1192819 | 2.2395328 | 48934 | (67171) | 15.3 | 296.97870 | 295.88785 | 167.75803 | 14.84369 | 0.0469946 | 2.6706168 | 48952 |
| (67120) | 14.8 | 288.04108 | 238.63930 | 160.30125 | 5.51537  | 0.1619618 | 3.0842352 | 48934 | (67172) | 14.1 | 290.45492 | 66.12926  | 327.08545 | 6.58526  | 0.2337751 | 2.7908635 | 48953 |
| (67121) | 14.9 | 36.60113  | 170.36804 | 142.49170 | 10.60324 | 0.0418882 | 3.0593412 | 48934 | (67173) | 15.5 | 345.59875 | 330.98499 | 65.09270  | 6.27926  | 0.0927780 | 2.7561469 | 48953 |
| (67122) | 13.7 | 335.00323 | 73.76876  | 284.71055 | 16.42250 | 0.1579005 | 3.1439520 | 48935 | (67174) | 15.3 | 255.13816 | 211.92333 | 350.35446 | 2.02397  | 0.1394444 | 2.4378932 | 48953 |
| (67123) | 13.8 | 313.69270 | 238.56507 | 130.69923 | 27.19749 | 0.1954323 | 3.1675023 | 48935 | (67175) | 14.6 | 124.68968 | 105.35055 | 281.95377 | 21.54875 | 0.0675829 | 1.9047141 | 48953 |
| (67124) | 14.3 | 307.56317 | 293.96098 | 137.51281 | 10.06524 | 0.2620207 | 2.7250344 | 48935 | (67176) | 14.6 | 303.69071 | 253.32348 | 135.01339 | 5.75494  | 0.1473453 | 3.1773570 | 48954 |
| (67125) | 14.6 | 275.27989 | 263.89779 | 147.62841 | 2.29813  | 0.1838738 | 3.1166504 | 48936 | (67177) | 14.8 | 318.62257 | 331.70231 | 41.33186  | 0.93804  | 0.1794585 | 3.2139472 | 48954 |
| (67126) | 15.6 | 330.12312 | 10.37824  | 7.01901   | 3.68520  | 0.1502568 | 2.7934760 | 48936 | (67178) | 13.4 | 22.75394  | 17.06901  | 301.78404 | 16.25366 | 0.1884211 | 3.0566572 | 48954 |
| (67127) | 15.5 | 220.23626 | 161.08389 | 42.45871  | 3.76775  | 0.1088370 | 2.6639974 | 48936 | (67179) | 13.9 | 343.16691 | 45.08761  | 311.64294 | 11.85277 | 0.1880966 | 2.9894642 | 48955 |
| (67128) | 14.3 | 297.06266 | 148.96038 | 189.34568 | 10.77001 | 0.0790389 | 3.0650891 | 48937 | (67180) | 14.6 | 271.28202 | 252.37771 | 329.28507 | 4.41425  | 0.1448527 | 2.3373484 | 48955 |
| (67129) | 16.3 | 323.19983 | 198.06864 | 191.30242 | 6.68246  | 0.2863608 | 2.5541193 | 48937 | (67181) | 13.7 | 255.09508 | 292.28310 | 154.47017 | 1.46846  | 0.1377718 | 3.2171131 | 48955 |
| (67130) | 13.6 | 300.77843 | 250.45491 | 164.11369 | 10.56554 | 0.0971237 | 2.9940564 | 48937 | (67182) | 13.1 | 107.31105 | 237.01319 | 17.44571  | 13.59571 | 0.0519984 | 3.0747110 | 48956 |
| (67131) | 13.4 | 327.91335 | 81.83813  | 299.50794 | 13.46582 | 0.1734661 | 3.1111701 | 48938 | (67183) | 14.3 | 0.66406   | 223.2153  | 124.31686 | 8.96817  | 0.0912332 | 3.1243301 | 48956 |
| (67132) | 14.2 | 233.50617 | 159.90115 | 262.36964 | 9.71685  | 0.0833420 | 2.9650607 | 48938 | (67184) | 15.2 | 284.93174 | 219.97426 | 182.66351 | 0.63798  | 0.1599467 | 3.0249214 | 48957 |
| (67133) | 14.5 | 271.66011 | 271.35357 | 150.31512 | 16.61064 | 0.1180313 | 3.1388627 | 48938 | (67185) | 15.5 | 292.72222 | 107.19566 | 284.96555 | 4.14147  | 0.1578993 | 3.0562513 | 48957 |
| (67134) | 12.9 | 125.05392 | 61.22221  | 115.38747 | 17.06914 | 0.0522586 | 3.2261293 | 48939 | (67186) | 14.3 | 259.29727 | 299.47594 | 161.17552 | 10.60023 | 0.0979335 | 3.0337196 | 48957 |
| (67135) | 14.5 | 298.31690 | 345.21950 | 72.42054  | 8.96703  | 0.2489155 | 2.5476466 | 48939 | (67187) | 15.0 | 108.31851 | 3.33815   | 310.85639 | 14.50229 | 0.0707787 | 2.6525404 | 48957 |
| (67136) | 13.8 | 161.58966 | 213.26119 | 322.48027 | 8.57005  | 0.0422224 | 3.0357553 | 48940 | (67188) | 16.6 | 275.73706 | 306.00691 | 264.38554 | 1.43217  | 0.1625438 | 2.3846407 | 48958 |
| (67137) | 14.0 | 167.38575 | 232.93087 | 282.62322 | 11.93278 | 0.0500932 | 3.0832425 | 48940 | (67189) | 15.0 | 299.78204 | 209.16458 | 183.33367 | 5.03237  | 0.1270492 | 3.1498591 | 48958 |
| (67138) | 13.7 | 241.15721 | 356.37974 | 63.17810  | 2.90528  | 0.0546200 | 2.8439127 | 48940 | (67190) | 13.7 | 332.45543 | 63.41308  | 305.72466 | 3.96164  | 0.1792159 | 3.1593420 | 48958 |
| (67139) | 14.5 | 260.77009 | 267.43203 | 163.53540 | 10.54797 | 0.2071199 | 2.7981016 | 48941 | (67191) | 14.2 | 326.92167 | 28.06598  | 336.06804 | 4.13486  | 0.1547320 | 3.1706566 | 48959 |
| (67140) | 13.2 | 230.60215 | 316.55006 | 136.61427 | 24.70074 | 0.1429718 | 3.1786546 | 48941 | (67192) | 14.6 | 162.21813 | 105.59427 | 159.81401 | 11.52456 | 0.1239501 | 2.7421355 | 48959 |
| (67141) | 14.8 | 314.77202 | 229.34465 | 151.13679 | 7.93772  | 0.1563916 | 2.7485357 | 48942 | (67193) | 12.6 | 283.62686 | 75.89545  | 342.48840 | 9.22654  | 0.2590114 | 3.1784847 | 48959 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67194) | 14.5 | 310.05195 | 206.24982 | 196.15585 | 9.91366  | 0.1931647 | 3.1119846 | 48960 | (67246) | 13.3 | 241.81000 | 258.75403 | 175.96520 | 9.45831  | 0.1811121 | 3.9799893 | 48975 |
| (67195) | 14.3 | 330.61240 | 213.77179 | 193.71605 | 12.68210 | 0.2461252 | 2.6770523 | 48960 | (67247) | 16.1 | 334.83930 | 110.72690 | 55.97461  | 4.02610  | 0.1213030 | 2.3065294 | 48976 |
| (67196) | 16.0 | 348.40807 | 78.15079  | 341.78502 | 2.80352  | 0.0903916 | 2.6384533 | 48960 | (67248) | 13.2 | 250.56386 | 227.62330 | 233.39500 | 13.57408 | 0.1957454 | 3.1194280 | 48976 |
| (67197) | 14.1 | 286.78768 | 233.85148 | 185.51355 | 1.27261  | 0.1494042 | 3.2414706 | 48961 | (67249) | 15.0 | 162.98207 | 168.21519 | 156.94602 | 6.27572  | 0.1094575 | 2.4898491 | 48977 |
| (67198) | 15.9 | 29.69095  | 134.56673 | 353.00800 | 2.42299  | 0.0765119 | 2.2097347 | 48961 | (67250) | 14.1 | 216.21634 | 197.66884 | 341.81042 | 10.17319 | 0.0854235 | 3.2047443 | 48977 |
| (67199) | 14.1 | 319.73756 | 115.64154 | 241.94364 | 15.30578 | 0.1674196 | 3.1860340 | 48961 | (67251) | 15.2 | 226.56680 | 338.08283 | 239.93407 | 7.07380  | 0.0648969 | 2.7270963 | 48977 |
| (67200) | 14.3 | 284.83826 | 255.61322 | 171.85523 | 16.84973 | 0.2498692 | 3.1411440 | 48962 | (67252) | 15.7 | 245.67593 | 351.46211 | 278.85385 | 6.08144  | 0.0871060 | 2.3858000 | 48977 |
| (67201) | 15.1 | 299.03022 | 182.44404 | 299.07124 | 12.88604 | 0.0682345 | 2.6758341 | 48962 | (67253) | 14.4 | 184.11350 | 239.51447 | 38.25376  | 15.63028 | 0.1103587 | 2.6924075 | 48978 |
| (67202) | 12.6 | 246.85039 | 218.14772 | 238.29440 | 16.12691 | 0.1814904 | 3.1226984 | 48962 | (67254) | 14.4 | 319.86165 | 84.07957  | 335.95351 | 1.72951  | 0.2539238 | 2.9909396 | 48978 |
| (67203) | 13.8 | 94.35704  | 87.22621  | 119.26440 | 4.17810  | 0.1020444 | 4.0106701 | 48963 | (67255) | 12.4 | 319.25293 | 89.84243  | 314.05295 | 15.28165 | 0.2406253 | 3.1003324 | 48978 |
| (67204) | 16.5 | 307.70444 | 73.49794  | 119.83031 | 7.28726  | 0.0484182 | 2.2638670 | 48963 | (67256) | 15.6 | 10.94536  | 25.28712  | 113.89830 | 2.25433  | 0.1424672 | 2.3117228 | 48979 |
| (67205) | 14.2 | 319.03765 | 46.20078  | 358.95204 | 3.74867  | 0.1548951 | 3.1917743 | 48963 | (67257) | 14.9 | 220.80046 | 129.88261 | 99.67879  | 11.71470 | 0.0794700 | 2.5616068 | 48979 |
| (67206) | 15.9 | 301.40791 | 325.07491 | 163.61916 | 5.63775  | 0.1807433 | 2.6466306 | 48964 | (67258) | 13.2 | 15.15462  | 322.50219 | 19.95946  | 11.29841 | 0.0829098 | 3.2003359 | 48979 |
| (67207) | 14.4 | 344.34667 | 179.90985 | 177.79683 | 0.97308  | 0.1893989 | 3.1332052 | 48964 | (67259) | 14.0 | 43.63771  | 320.37828 | 356.06576 | 15.13668 | 0.0864332 | 3.1776777 | 48980 |
| (67208) | 13.6 | 35.24666  | 1.11236   | 316.95633 | 17.31713 | 0.1147156 | 3.1986035 | 48964 | (67260) | 14.7 | 102.47604 | 188.75424 | 130.28696 | 7.32955  | 0.0576557 | 2.8482552 | 48980 |
| (67209) | 15.9 | 332.97679 | 270.39999 | 154.17359 | 4.90609  | 0.0516410 | 2.7930716 | 48964 | (67261) | 13.8 | 315.39886 | 247.48304 | 164.33304 | 26.82816 | 0.2086428 | 3.1190328 | 48980 |
| (67210) | 13.2 | 349.62132 | 216.97855 | 143.48236 | 5.91848  | 0.1567446 | 3.1773660 | 48965 | (67262) | 14.9 | 202.35928 | 208.19451 | 65.68086  | 3.03886  | 0.0600320 | 2.5340501 | 48980 |
| (67211) | 16.2 | 288.94102 | 333.88464 | 173.68893 | 4.85401  | 0.0668824 | 2.5952889 | 48965 | (67263) | 14.9 | 7.37753   | 211.26501 | 192.80172 | 1.53765  | 0.0314740 | 2.8740138 | 48981 |
| (67212) | 16.2 | 269.63837 | 262.37014 | 337.60560 | 6.87007  | 0.0829451 | 2.2737618 | 48965 | (67264) | 15.5 | 293.98979 | 315.83388 | 247.35163 | 4.64749  | 0.1296445 | 2.3945781 | 48981 |
| (67213) | 14.3 | 309.41093 | 67.22803  | 339.44734 | 13.47196 | 0.1648148 | 3.0638696 | 48966 | (67265) | 16.5 | 248.15028 | 336.47833 | 326.71730 | 7.21631  | 0.1161538 | 2.2012215 | 48981 |
| (67214) | 14.0 | 332.02076 | 209.79379 | 171.27682 | 1.05159  | 0.1830321 | 3.1535658 | 48966 | (67266) | 16.6 | 190.37505 | 146.67396 | 188.84682 | 4.25013  | 0.0528738 | 2.2213839 | 48982 |
| (67215) | 13.7 | 5.84540   | 186.27799 | 169.28478 | 17.12235 | 0.1158510 | 3.2071755 | 48966 | (67267) | 13.3 | 310.87491 | 31.87065  | 7.55531   | 24.00675 | 0.2339489 | 3.1531833 | 48982 |
| (67216) | 14.1 | 328.58378 | 230.97866 | 152.71324 | 2.92842  | 0.1908721 | 3.1999786 | 48966 | (67268) | 15.7 | 314.42318 | 23.72714  | 62.92994  | 10.17133 | 0.1041389 | 2.8415886 | 48982 |
| (67217) | 15.6 | 6.42972   | 135.48883 | 258.58877 | 0.98866  | 0.0704434 | 2.8552250 | 48967 | (67269) | 14.6 | 18.30331  | 26.58348  | 79.00607  | 14.07161 | 0.1230876 | 2.4618751 | 48982 |
| (67218) | 13.4 | 17.95443  | 171.53912 | 164.56439 | 19.08395 | 0.0873798 | 3.4046653 | 48967 | (67270) | 13.7 | 245.28022 | 87.27524  | 25.13608  | 18.12349 | 0.1844411 | 3.1502867 | 48983 |
| (67219) | 14.4 | 133.63877 | 48.63820  | 278.13681 | 2.37275  | 0.2695842 | 2.5970758 | 48967 | (67271) | 13.2 | 4.97005   | 300.35157 | 84.63203  | 10.58189 | 0.0769586 | 3.0817163 | 48983 |
| (67220) | 14.9 | 206.16567 | 273.50613 | 335.79665 | 10.96210 | 0.1633980 | 2.6434290 | 48968 | (67272) | 14.1 | 298.30907 | 143.59440 | 337.95984 | 1.31516  | 0.0082185 | 2.9130142 | 48984 |
| (67221) | 15.7 | 238.34462 | 263.53272 | 12.75691  | 2.78184  | 0.1582412 | 2.3511065 | 48968 | (67273) | 14.3 | 162.32371 | 223.14967 | 92.97556  | 14.41726 | 0.1767594 | 2.5743833 | 48984 |
| (67222) | 17.1 | 317.27958 | 42.75659  | 188.25335 | 4.34485  | 0.1078538 | 2.1711492 | 48968 | (67274) | 14.3 | 297.41604 | 66.69173  | 73.32457  | 5.40358  | 0.1855161 | 2.7123531 | 48984 |
| (67223) | 15.4 | 259.38721 | 125.20947 | 111.52793 | 7.37625  | 0.0804362 | 2.2955486 | 48969 | (67275) | 15.1 | 95.49283  | 332.26230 | 49.41950  | 3.02478  | 0.1143199 | 2.5297565 | 48985 |
| (67224) | 15.4 | 338.49708 | 302.73567 | 115.97443 | 5.96939  | 0.0566124 | 2.7972810 | 48969 | (67276) | 15.7 | 153.63740 | 252.80950 | 50.55897  | 5.28866  | 0.0979126 | 2.7339985 | 48985 |
| (67225) | 14.9 | 167.51092 | 248.32393 | 13.62688  | 9.09375  | 0.1115180 | 2.7648547 | 48969 | (67277) | 15.7 | 42.54643  | 359.83289 | 50.87919  | 3.54304  | 0.1349378 | 2.5987588 | 48985 |
| (67226) | 12.9 | 62.17880  | 283.79667 | 8.33146   | 11.23594 | 0.1112633 | 3.4540677 | 48970 | (67278) | 16.0 | 285.62345 | 141.05719 | 121.04719 | 5.28934  | 0.0755884 | 2.1932684 | 48986 |
| (67227) | 13.6 | 315.50772 | 247.71881 | 145.24087 | 15.35872 | 0.2488255 | 3.1557463 | 48970 | (67279) | 17.1 | 290.20247 | 150.91484 | 120.62297 | 1.81927  | 0.2031832 | 2.2129901 | 48986 |
| (67228) | 13.7 | 354.95283 | 240.22400 | 115.84679 | 11.14407 | 0.2410079 | 3.0516200 | 48970 | (67280) | 15.5 | 147.94325 | 160.28917 | 163.10633 | 15.37266 | 0.1418006 | 2.6704117 | 48986 |
| (67229) | 14.3 | 356.90944 | 274.03343 | 82.42675  | 5.69090  | 0.1937205 | 3.1320330 | 48971 | (67281) | 16.4 | 245.33686 | 171.53027 | 95.33477  | 7.74407  | 0.1021722 | 2.3991396 | 48987 |
| (67230) | 14.5 | 285.34507 | 136.33210 | 101.12817 | 24.57199 | 0.1668970 | 2.3568615 | 48971 | (67282) | 13.3 | 329.41771 | 54.07828  | 359.64573 | 16.36135 | 0.2361084 | 3.0980226 | 48987 |
| (67231) | 15.0 | 281.99644 | 269.64328 | 140.71913 | 5.15491  | 0.1761107 | 3.1667250 | 48971 | (67283) | 16.0 | 178.54644 | 321.00161 | 37.24397  | 4.43713  | 0.2070085 | 2.3354220 | 48987 |
| (67232) | 15.9 | 117.53084 | 148.71146 | 163.56821 | 7.64824  | 0.1461052 | 2.7836613 | 48971 | (67284) | 15.7 | 359.94121 | 133.24554 | 155.67701 | 26.81823 | 0.1205990 | 1.8656102 | 48988 |
| (67233) | 13.8 | 322.88650 | 276.90929 | 105.50858 | 14.88804 | 0.2139289 | 3.1751791 | 48972 | (67285) | 15.5 | 18.40004  | 3.71705   | 49.14173  | 2.69524  | 0.0654022 | 2.9044449 | 48988 |
| (67234) | 14.9 | 293.34997 | 263.82894 | 135.31633 | 17.60266 | 0.2670530 | 3.1336465 | 48972 | (67286) | 15.9 | 279.79944 | 126.02866 | 147.17926 | 10.35278 | 0.2411116 | 2.3160387 | 48988 |
| (67235) | 16.2 | 191.48122 | 71.62329  | 176.09769 | 8.78283  | 0.0869032 | 2.7670714 | 48972 | (67287) | 16.1 | 351.89652 | 129.92782 | 24.31542  | 7.12261  | 0.0533013 | 2.3649076 | 48988 |
| (67236) | 15.7 | 98.81372  | 23.28795  | 8.01362   | 6.27302  | 0.1505430 | 2.2815526 | 48973 | (67288) | 14.8 | 112.13631 | 146.29173 | 206.50830 | 11.22182 | 0.1070574 | 2.7091008 | 48989 |
| (67237) | 16.6 | 324.18998 | 209.06433 | 351.30540 | 3.69970  | 0.0539959 | 2.2670242 | 48973 | (67289) | 16.5 | 47.33779  | 253.10572 | 208.24196 | 9.08505  | 0.1386369 | 2.3271846 | 48989 |
| (67238) | 16.9 | 243.25255 | 195.35953 | 176.48184 | 21.63889 | 0.0679510 | 1.9270923 | 48973 | (67290) | 16.4 | 123.36795 | 142.64049 | 191.30052 | 2.00482  | 0.0849847 | 2.7995056 | 48989 |
| (67239) | 15.6 | 254.31812 | 200.56218 | 44.60375  | 7.56920  | 0.0942982 | 2.3540017 | 48973 | (67291) | 14.1 | 263.75273 | 31.22353  | 106.06681 | 2.24246  | 0.1256864 | 3.1361031 | 48990 |
| (67240) | 14.8 | 224.66866 | 125.64807 | 42.57048  | 1.62086  | 0.1246044 | 3.0914766 | 48974 | (67292) | 14.6 | 92.45115  | 178.06595 | 207.61131 | 12.29222 | 0.1567405 | 2.6333899 | 48990 |
| (67241) | 14.7 | 140.99931 | 312.92932 | 359.99316 | 13.85341 | 0.1353514 | 2.7424722 | 48974 | (67293) | 14.2 | 153.51817 | 57.92651  | 213.69638 | 9.61228  | 0.0818861 | 3.1130099 | 48990 |
| (67242) | 14.7 | 275.82986 | 56.61551  | 51.37987  | 1.23396  | 0.1387652 | 3.1223861 | 48974 | (67294) | 15.5 | 256.10659 | 263.52465 | 30.77089  | 3.55921  | 0.1222729 | 2.3123746 | 48991 |
| (67243) | 13.9 | 315.08146 | 64.87467  | 350.09925 | 14.39546 | 0.1796215 | 3.1092771 | 48975 | (67295) | 16.8 | 41.18775  | 114.95671 | 32.28891  | 7.25456  | 0.0381896 | 2.2166092 | 48991 |
| (67244) | 13.2 | 305.46412 | 29.05584  | 14.10380  | 8.76096  | 0.0912495 | 3.4966128 | 48975 | (67296) | 15.0 | 218.64219 | 139.17882 | 154.59930 | 13.66280 | 0.1630719 | 2.5454452 | 48992 |
| (67245) | 15.0 | 156.19513 | 66.73072  | 181.09249 | 5.40114  | 0.1181132 | 3.1110286 | 48975 | (67297) | 15.9 | 277.34677 | 157.09229 | 102.26904 | 5.98826  | 0.1993080 | 2.3551234 | 48992 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67298) | 14.6 | 215.85914 | 125.87500 | 89.82201  | 11.28797 | 0.0386549 | 2.9607797 | 48992 | (67350) | 14.8 | 126.94781 | 155.25589 | 179.54855 | 10.27030 | 0.0960964 | 2.9665025 | 49009 |
| (67299) | 14.9 | 226.92153 | 288.11313 | 1.73258   | 4.70030  | 0.2775101 | 2.5781448 | 48992 | (67351) | 15.9 | 251.11243 | 123.92086 | 106.84019 | 3.66417  | 0.0614255 | 2.6153655 | 49009 |
| (67300) | 16.0 | 314.08710 | 307.03451 | 254.31630 | 5.81865  | 0.0590552 | 2.3531087 | 48993 | (67352) | 16.3 | 78.55443  | 19.81586  | 47.54065  | 3.17171  | 0.1577204 | 2.3613893 | 49009 |
| (67301) | 16.5 | 185.59174 | 318.16607 | 31.52616  | 10.17905 | 0.0396741 | 2.2681779 | 48993 | (67353) | 16.2 | 16.08874  | 31.43627  | 46.33387  | 12.48137 | 0.0530463 | 2.8327142 | 49010 |
| (67302) | 15.8 | 321.63621 | 117.67777 | 187.78460 | 21.97955 | 0.0740604 | 1.9797579 | 48994 | (67354) | 14.5 | 263.80278 | 171.39568 | 92.67534  | 24.87504 | 0.2228032 | 2.3962143 | 49010 |
| (67303) | 14.9 | 135.34949 | 308.43070 | 46.69565  | 15.28156 | 0.1575843 | 2.5763920 | 48994 | (67355) | 16.4 | 282.64177 | 212.44140 | 56.92936  | 1.22576  | 0.1785851 | 2.3828611 | 49010 |
| (67304) | 13.8 | 297.53972 | 325.80876 | 99.01704  | 5.18860  | 0.2604630 | 3.1518716 | 48994 | (67356) | 14.8 | 38.14414  | 167.37932 | 237.67494 | 9.10004  | 0.0845595 | 3.0337282 | 49010 |
| (67305) | 14.8 | 263.32851 | 194.56458 | 339.30165 | 15.34716 | 0.1569100 | 2.7355243 | 48994 | (67357) | 14.9 | 211.87614 | 156.90286 | 87.34122  | 3.22985  | 0.0290580 | 2.9487361 | 49011 |
| (67306) | 14.6 | 175.55678 | 74.60956  | 181.86723 | 10.97800 | 0.0644923 | 3.0421575 | 48995 | (67358) | 15.2 | 186.56050 | 94.33508  | 174.50829 | 0.99192  | 0.1350308 | 3.1341645 | 49011 |
| (67307) | 14.8 | 102.44799 | 134.08067 | 221.44175 | 2.53181  | 0.1401418 | 2.6159679 | 48995 | (67359) | 15.9 | 81.83081  | 236.78473 | 139.81375 | 3.76629  | 0.0698836 | 2.9706837 | 49011 |
| (67308) | 13.4 | 314.46951 | 133.88249 | 263.93885 | 9.56636  | 0.0991569 | 2.9976088 | 48995 | (67360) | 15.3 | 284.27993 | 250.61388 | 241.27131 | 0.62258  | 0.1247778 | 3.1463901 | 49011 |
| (67309) | 16.7 | 254.59926 | 176.10210 | 151.77713 | 2.99542  | 0.1926257 | 2.1794552 | 48996 | (67361) | 16.7 | 306.74606 | 153.77552 | 160.11533 | 6.47217  | 0.2252703 | 2.2371619 | 49012 |
| (67310) | 15.9 | 307.58598 | 127.69902 | 47.43110  | 9.62793  | 0.1330242 | 2.5754642 | 48996 | (67362) | 14.9 | 191.67473 | 182.19833 | 127.89555 | 13.49845 | 0.1202017 | 2.6629211 | 49012 |
| (67311) | 15.2 | 185.81223 | 288.07884 | 34.98295  | 9.62190  | 0.1178437 | 2.5650099 | 48996 | (67363) | 14.7 | 279.98630 | 96.42069  | 49.37626  | 2.78503  | 0.1520629 | 3.0610818 | 49012 |
| (67312) | 14.5 | 302.74380 | 134.08790 | 26.17417  | 16.03123 | 0.1096117 | 2.7397388 | 48997 | (67364) | 14.6 | 226.98160 | 49.85094  | 146.15201 | 13.83846 | 0.0552208 | 3.1655187 | 49013 |
| (67313) | 15.9 | 125.82406 | 287.43867 | 55.29146  | 6.33350  | 0.0305448 | 2.7522322 | 48997 | (67365) | 16.7 | 297.00210 | 66.63614  | 221.85259 | 6.36111  | 0.1247623 | 2.3424137 | 49013 |
| (67314) | 15.9 | 200.94828 | 223.25209 | 111.34444 | 6.97382  | 0.2311324 | 2.3173960 | 48997 | (67366) | 15.1 | 322.11702 | 100.86578 | 254.08247 | 20.17131 | 0.0497311 | 1.9250030 | 49013 |
| (67315) | 15.9 | 325.62518 | 119.08209 | 4.50036   | 0.79634  | 0.0332755 | 2.8587961 | 48997 | (67367) | 17.2 | 153.16052 | 184.70968 | 264.60525 | 9.02300  | 0.2127768 | 1.3085967 | 49013 |
| (67316) | 14.7 | 191.83061 | 143.16652 | 118.96577 | 13.03865 | 0.0429223 | 2.9044431 | 48998 | (67368) | 12.8 | 45.78008  | 220.70021 | 126.72954 | 9.08701  | 0.2655821 | 3.9717703 | 49014 |
| (67317) | 15.9 | 10.47706  | 273.15271 | 207.70760 | 7.84465  | 0.0524645 | 2.5408132 | 48998 | (67369) | 15.3 | 243.00832 | 214.92107 | 91.39494  | 3.80473  | 0.1437735 | 2.5693088 | 49014 |
| (67318) | 15.4 | 312.46261 | 345.14500 | 205.31981 | 3.83947  | 0.0670332 | 2.5191731 | 48998 | (67370) | 13.6 | 271.53558 | 310.02353 | 269.70382 | 32.63145 | 0.2413953 | 2.7160669 | 49014 |
| (67319) | 15.9 | 5.91930   | 47.79056  | 91.34078  | 4.76157  | 0.1233002 | 2.4209335 | 48999 | (67371) | 15.3 | 281.74418 | 217.94066 | 140.41216 | 9.99699  | 0.2601342 | 2.3018642 | 49015 |
| (67320) | 16.7 | 280.81423 | 51.99144  | 214.96572 | 5.02198  | 0.1443759 | 2.3138461 | 48999 | (67372) | 14.3 | 199.03621 | 267.42542 | 160.71554 | 23.02465 | 0.2774895 | 2.3647884 | 49015 |
| (67321) | 16.6 | 306.71015 | 52.98095  | 177.38139 | 3.95823  | 0.0574988 | 2.3267422 | 48999 | (67373) | 15.1 | 272.58630 | 113.60482 | 278.25281 | 4.94111  | 0.1325383 | 2.1392370 | 49016 |
| (67322) | 15.6 | 163.76233 | 100.76372 | 176.11931 | 0.93279  | 0.1037630 | 3.1066039 | 48999 | (67374) | 17.0 | 274.47826 | 196.81768 | 142.06805 | 2.97720  | 0.2225881 | 2.3397913 | 49016 |
| (67323) | 16.9 | 1.48780   | 109.94268 | 85.47800  | 5.72787  | 0.0379785 | 2.2466105 | 49000 | (67375) | 15.3 | 255.55779 | 171.95276 | 125.04953 | 5.57531  | 0.2526115 | 2.6034306 | 49016 |
| (67324) | 15.6 | 206.88899 | 149.18991 | 87.00399  | 4.06666  | 0.0842703 | 2.9674505 | 49000 | (67376) | 16.5 | 47.54392  | 4.36237   | 191.14054 | 2.61601  | 0.1202874 | 2.2246647 | 49017 |
| (67325) | 15.9 | 58.35024  | 222.19775 | 226.70238 | 6.18337  | 0.0933066 | 2.3748390 | 49000 | (67377) | 14.4 | 6.19426   | 200.24166 | 293.32313 | 8.45798  | 0.0674549 | 3.1008412 | 49017 |
| (67326) | 16.0 | 217.27334 | 176.37601 | 124.79298 | 16.21344 | 0.0946692 | 2.5239806 | 49001 | (67378) | 15.9 | 62.56684  | 316.02605 | 290.43381 | 19.32135 | 0.0448323 | 1.9866839 | 49018 |
| (67327) | 14.8 | 309.76259 | 165.03765 | 66.05259  | 6.60547  | 0.1365916 | 2.3292852 | 49001 | (67379) | 14.4 | 135.00236 | 94.80910  | 294.69476 | 13.12257 | 0.1444897 | 3.0684272 | 49018 |
| (67328) | 14.8 | 285.64585 | 82.48759  | 83.70882  | 14.47236 | 0.1336356 | 2.6028994 | 49002 | (67380) | 16.1 | 270.44165 | 206.59549 | 154.31707 | 6.04707  | 0.1662578 | 2.2180051 | 49018 |
| (67329) | 15.8 | 133.32700 | 283.76154 | 49.53714  | 15.42657 | 0.1709026 | 2.6165167 | 49002 | (67381) | 19.9 | 11.21418  | 266.59822 | 295.12837 | 10.67062 | 0.5429432 | 1.3206337 | 49019 |
| (67330) | 15.3 | 348.36424 | 39.21282  | 102.66011 | 15.15351 | 0.0534001 | 2.4378996 | 49002 | (67382) | 13.7 | 127.50609 | 82.84169  | 305.15480 | 13.55383 | 0.1451192 | 3.0743211 | 49019 |
| (67331) | 16.9 | 19.51267  | 293.94400 | 239.57719 | 6.75202  | 0.0412636 | 2.2310628 | 49002 | (67383) | 16.3 | 286.88330 | 214.83205 | 136.14188 | 5.30763  | 0.2042729 | 2.2008921 | 49020 |
| (67332) | 15.2 | 196.87898 | 289.14588 | 133.90167 | 24.19044 | 0.1227040 | 1.9662575 | 49003 | (67384) | 14.6 | 191.01364 | 179.86064 | 132.33623 | 11.91138 | 0.1200846 | 3.0771310 | 49020 |
| (67333) | 14.1 | 330.85170 | 337.51252 | 109.71940 | 7.97137  | 0.1850863 | 2.8853186 | 49003 | (67385) | 14.9 | 108.16042 | 347.25587 | 146.20378 | 24.91635 | 0.2038438 | 2.3050342 | 49021 |
| (67334) | 14.8 | 354.50398 | 7.97888   | 93.02531  | 11.56320 | 0.1349962 | 2.6847697 | 49003 | (67386) | 15.7 | 8.35660   | 29.81931  | 223.80471 | 5.19083  | 0.1597663 | 2.2262519 | 49021 |
| (67335) | 15.9 | 349.45194 | 192.38011 | 134.80118 | 27.47523 | 0.0882112 | 1.8703931 | 49004 | (67387) | 15.9 | 281.03007 | 187.55438 | 178.98725 | 7.79882  | 0.1853536 | 2.2541237 | 49021 |
| (67336) | 17.0 | 295.49610 | 9.64970   | 247.26402 | 2.84597  | 0.1629324 | 2.2778341 | 49004 | (67388) | 15.5 | 272.39358 | 162.03212 | 169.76016 | 15.07073 | 0.1702919 | 2.4408567 | 49022 |
| (67337) | 14.9 | 281.04201 | 163.88852 | 11.56315  | 9.10291  | 0.0832986 | 2.7770385 | 49004 | (67389) | 15.3 | 62.56921  | 108.93978 | 165.77272 | 23.16890 | 0.0720735 | 1.9555302 | 49022 |
| (67338) | 15.7 | 21.04111  | 52.43465  | 68.11119  | 4.20818  | 0.1623546 | 2.4090677 | 49004 | (67390) | 15.6 | 311.30717 | 198.11286 | 142.90987 | 6.05288  | 0.1727120 | 2.2208825 | 49023 |
| (67339) | 15.6 | 253.92692 | 214.26843 | 78.66885  | 6.95283  | 0.1141626 | 2.3264675 | 49005 | (67391) | 16.1 | 312.50853 | 230.23351 | 127.91936 | 3.59504  | 0.1912185 | 2.1717463 | 49023 |
| (67340) | 13.0 | 273.97823 | 180.51759 | 249.78475 | 7.44979  | 0.1853144 | 3.9884557 | 49005 | (67392) | 16.2 | 285.05231 | 196.08508 | 126.70423 | 7.03136  | 0.1380419 | 2.3138462 | 49024 |
| (67341) | 14.7 | 319.16411 | 225.73165 | 271.61931 | 3.39728  | 0.0451610 | 2.7784978 | 49005 | (67393) | 14.8 | 119.83276 | 265.83027 | 130.24483 | 0.71812  | 0.1835315 | 3.2107885 | 49024 |
| (67342) | 13.6 | 77.04401  | 72.53478  | 276.96471 | 7.69785  | 0.0566931 | 3.1077740 | 49006 | (67394) | 16.1 | 345.27811 | 157.59841 | 156.62005 | 3.83202  | 0.1990953 | 2.1777360 | 49024 |
| (67343) | 14.5 | 195.47501 | 100.03816 | 249.10205 | 13.10596 | 0.2087235 | 2.3807150 | 49006 | (67395) | 16.1 | 310.38609 | 272.57705 | 84.05035  | 3.49330  | 0.2193931 | 2.1921431 | 49025 |
| (67344) | 14.8 | 321.03415 | 126.31978 | 51.01762  | 5.87620  | 0.1114955 | 2.5722028 | 49007 | (67396) | 16.6 | 278.39386 | 117.51454 | 221.29541 | 3.55175  | 0.1720103 | 2.2898360 | 49025 |
| (67345) | 15.9 | 240.23606 | 320.68984 | 345.45320 | 6.58491  | 0.1193112 | 2.3762149 | 49007 | (67397) | 15.3 | 265.10359 | 118.62103 | 234.14392 | 5.57816  | 0.1174693 | 2.3708997 | 49026 |
| (67346) | 15.0 | 334.16394 | 265.58920 | 249.48014 | 10.12638 | 0.2060023 | 2.4079735 | 49007 | (67398) | 14.7 | 94.54860  | 270.74263 | 125.99519 | 10.38103 | 0.0550326 | 3.1678939 | 49026 |
| (67347) | 14.2 | 273.92088 | 309.43110 | 248.89140 | 11.12177 | 0.2137464 | 2.6315726 | 49008 | (67399) | 18.4 | 66.72450  | 225.15077 | 332.96641 | 14.69946 | 0.3461102 | 1.3013692 | 49026 |
| (67348) | 14.7 | 305.91781 | 313.93970 | 190.43010 | 14.70638 | 0.0866348 | 2.8501694 | 49008 | (67400) | 15.3 | 262.32723 | 296.07578 | 65.28703  | 7.78954  | 0.1451882 | 2.3474094 | 49027 |
| (67349) | 14.3 | 206.33510 | 158.93857 | 126.11587 | 10.06945 | 0.1395885 | 2.7543438 | 49008 | (67401) | 15.4 | 127.36336 | 26.99228  | 46.91054  | 4.91252  | 0.0950461 | 2.7035676 | 49027 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67402) | 16.3 | 318.62152 | 180.77847 | 135.15031 | 6.12212  | 0.2225645 | 2.2260076 | 49027 | (67454) | 15.9 | 22.21578  | 318.96568 | 265.76179 | 4.83422  | 0.1589821 | 2.3194292 | 49047 |
| (67403) | 15.8 | 12.48518  | 297.57253 | 351.47874 | 5.40833  | 0.0842943 | 2.1807308 | 49028 | (67455) | 16.0 | 54.15431  | 23.31164  | 210.14047 | 3.11023  | 0.0485363 | 2.1672473 | 49048 |
| (67404) | 14.7 | 245.23393 | 197.17394 | 274.12936 | 17.21044 | 0.0959429 | 1.9642848 | 49028 | (67456) | 15.9 | 204.52889 | 310.29254 | 134.24883 | 6.66675  | 0.0649588 | 2.2938151 | 49048 |
| (67405) | 16.6 | 26.55320  | 118.94002 | 144.44658 | 2.96573  | 0.1248559 | 2.1213471 | 49029 | (67457) | 16.2 | 297.39274 | 18.07034  | 20.85842  | 5.22986  | 0.1426193 | 2.2893782 | 49049 |
| (67406) | 16.7 | 15.66730  | 99.61723  | 166.52093 | 2.94047  | 0.1400051 | 2.1567444 | 49029 | (67458) | 15.0 | 282.72451 | 96.82290  | 317.08717 | 4.53144  | 0.1668564 | 2.3112553 | 49049 |
| (67407) | 16.6 | 311.63853 | 148.20200 | 166.60543 | 12.56477 | 0.1518843 | 2.2788086 | 49030 | (67459) | 14.5 | 266.49993 | 80.30598  | 323.49002 | 3.65297  | 0.1826647 | 2.4587939 | 49049 |
| (67408) | 15.8 | 69.75432  | 270.28618 | 307.29255 | 1.41061  | 0.0384046 | 2.2001428 | 49030 | (67460) | 15.8 | 266.21937 | 121.09784 | 290.08781 | 1.71068  | 0.1942076 | 2.4034154 | 49050 |
| (67409) | 17.3 | 336.99314 | 134.37862 | 173.40030 | 4.55612  | 0.1071921 | 2.1978447 | 49030 | (67461) | 13.9 | 292.43157 | 108.79398 | 285.58201 | 6.15307  | 0.1075760 | 2.3237054 | 49050 |
| (67410) | 16.5 | 64.73897  | 69.28515  | 147.30711 | 4.52091  | 0.0838015 | 2.1856640 | 49031 | (67462) | 16.0 | 241.84179 | 242.95773 | 125.60871 | 7.22562  | 0.1397627 | 2.4119011 | 49050 |
| (67411) | 16.3 | 329.39798 | 114.81042 | 202.00401 | 5.60253  | 0.1741393 | 2.2853120 | 49031 | (67463) | 15.1 | 301.39922 | 139.70628 | 101.42219 | 3.21256  | 0.0177427 | 2.8968538 | 49051 |
| (67412) | 15.8 | 66.13434  | 32.09386  | 159.15371 | 7.20373  | 0.0524005 | 2.2457099 | 49031 | (67464) | 15.5 | 290.33757 | 0.79697   | 250.25652 | 4.03914  | 0.0634591 | 2.8164932 | 49051 |
| (67413) | 14.5 | 247.79479 | 111.06658 | 157.86710 | 9.37750  | 0.0998327 | 3.0632130 | 49032 | (67465) | 17.1 | 339.04385 | 45.40551  | 242.21496 | 1.13958  | 0.2058055 | 2.2077882 | 49051 |
| (67414) | 15.3 | 177.53409 | 356.48487 | 36.40530  | 3.61305  | 0.0528150 | 2.6955458 | 49032 | (67466) | 14.2 | 315.53204 | 58.80918  | 278.01930 | 4.08218  | 0.1537467 | 2.4805948 | 49052 |
| (67415) | 15.3 | 154.96409 | 19.96031  | 72.34346  | 7.09262  | 0.0390088 | 2.4828830 | 49032 | (67467) | 17.8 | 338.91892 | 344.00058 | 336.86849 | 5.03789  | 0.0939875 | 2.1395111 | 49052 |
| (67416) | 15.6 | 283.73500 | 285.13189 | 94.69777  | 5.93055  | 0.0200908 | 2.1727676 | 49033 | (67468) | 15.0 | 102.84612 | 290.94909 | 151.32596 | 9.72531  | 0.0825924 | 3.1006038 | 49052 |
| (67417) | 15.7 | 352.66980 | 155.68439 | 104.88257 | 7.15921  | 0.0828900 | 2.3940838 | 49033 | (67469) | 16.2 | 225.29645 | 104.62003 | 339.64527 | 3.79422  | 0.0893557 | 2.2171689 | 49053 |
| (67418) | 16.0 | 112.99745 | 359.38449 | 189.25355 | 4.36464  | 0.0632415 | 2.1675865 | 49034 | (67470) | 16.2 | 208.58740 | 239.88088 | 168.39734 | 3.93037  | 0.3047077 | 2.6392369 | 49053 |
| (67419) | 15.6 | 40.66167  | 31.63212  | 177.95644 | 6.13787  | 0.0641804 | 2.3676522 | 49034 | (67471) | 14.8 | 245.91149 | 313.25393 | 102.99237 | 5.86610  | 0.1276625 | 2.3492064 | 49053 |
| (67420) | 16.5 | 56.55957  | 51.77488  | 174.33316 | 2.82050  | 0.0653054 | 2.1942494 | 49034 | (67472) | 15.7 | 272.27707 | 25.81530  | 17.26517  | 4.84699  | 0.1142898 | 2.2509212 | 49054 |
| (67421) | 15.9 | 312.38346 | 143.73995 | 158.92323 | 9.50220  | 0.0457415 | 2.3568085 | 49035 | (67473) | 17.1 | 319.42520 | 157.47481 | 194.21388 | 4.16261  | 0.2433462 | 2.1824657 | 49055 |
| (67422) | 16.1 | 291.22045 | 170.81832 | 173.14448 | 7.55585  | 0.1620487 | 2.3026657 | 49035 | (67474) | 16.6 | 317.73459 | 327.03093 | 27.68825  | 5.96783  | 0.2043004 | 2.2060492 | 49055 |
| (67423) | 15.4 | 86.75480  | 322.55221 | 200.71452 | 7.46739  | 0.0523521 | 2.3874045 | 49035 | (67475) | 15.2 | 128.58396 | 357.34396 | 186.04813 | 6.60688  | 0.0464347 | 2.2916026 | 49055 |
| (67424) | 15.5 | 191.57717 | 157.40071 | 320.61199 | 7.01952  | 0.1511238 | 2.1933639 | 49036 | (67476) | 14.3 | 222.57360 | 336.15556 | 115.63957 | 5.28368  | 0.1677985 | 2.4729413 | 49056 |
| (67425) | 16.5 | 357.74131 | 304.30720 | 309.83204 | 4.57373  | 0.1537140 | 2.3235183 | 49036 | (67477) | 16.1 | 324.85465 | 185.02714 | 167.86006 | 6.14962  | 0.1826451 | 2.2985340 | 49056 |
| (67426) | 16.2 | 346.01083 | 159.58013 | 122.52730 | 4.76244  | 0.2066992 | 2.2316391 | 49036 | (67478) | 15.9 | 323.06871 | 238.30881 | 127.52883 | 4.79162  | 0.2475330 | 2.2218395 | 49057 |
| (67427) | 15.9 | 20.69613  | 141.74400 | 123.54413 | 4.60870  | 0.1379289 | 2.1907905 | 49037 | (67479) | 16.0 | 302.08487 | 182.67233 | 179.60834 | 6.37525  | 0.1357627 | 2.3948511 | 49057 |
| (67428) | 14.6 | 165.66529 | 41.90526  | 78.43766  | 7.15264  | 0.0790579 | 2.3362401 | 49037 | (67480) | 14.8 | 329.99345 | 269.86406 | 88.51100  | 7.75059  | 0.1311377 | 2.2899230 | 49058 |
| (67429) | 15.6 | 350.78032 | 178.03074 | 116.18743 | 6.66335  | 0.1946214 | 2.2022778 | 49038 | (67481) | 15.5 | 285.36743 | 333.38178 | 73.39126  | 7.79847  | 0.1001314 | 2.3047607 | 49058 |
| (67430) | 15.7 | 356.91835 | 210.23121 | 82.12397  | 5.64529  | 0.1704253 | 2.1928219 | 49038 | (67482) | 15.4 | 209.25623 | 51.60429  | 270.08184 | 9.20454  | 0.1021496 | 2.9737113 | 49059 |
| (67431) | 16.5 | 342.86184 | 133.32767 | 117.85967 | 3.17937  | 0.1778801 | 2.3744183 | 49038 | (67483) | 15.7 | 349.47189 | 8.98066   | 256.24688 | 6.60669  | 0.0874415 | 2.3221962 | 49059 |
| (67432) | 17.5 | 356.06550 | 325.07746 | 331.93772 | 2.04212  | 0.1470671 | 2.1392597 | 49039 | (67484) | 14.7 | 61.32313  | 230.03591 | 286.19137 | 10.67886 | 0.1155923 | 2.6578261 | 49059 |
| (67433) | 15.5 | 140.77122 | 291.82898 | 166.04304 | 5.54364  | 0.0673513 | 2.5790624 | 49039 | (67485) | 13.4 | 140.78214 | 148.54210 | 222.25252 | 8.68980  | 0.1707391 | 3.3868354 | 49060 |
| (67434) | 16.8 | 27.02329  | 26.45196  | 228.48874 | 3.52327  | 0.1941669 | 2.1664692 | 49039 | (67486) | 15.8 | 24.76106  | 315.53066 | 265.42360 | 4.58581  | 0.0900027 | 2.4191628 | 49060 |
| (67435) | 15.5 | 85.38104  | 261.96489 | 310.71065 | 4.44775  | 0.0402529 | 2.1966765 | 49040 | (67487) | 15.9 | 349.77304 | 0.73852   | 292.79918 | 7.43643  | 0.1519694 | 2.1903801 | 49060 |
| (67436) | 15.6 | 213.39618 | 137.71839 | 306.59365 | 5.16435  | 0.0899312 | 2.2718015 | 49040 | (67488) | 15.9 | 340.41233 | 84.39343  | 216.23307 | 6.93948  | 0.1983920 | 2.1878320 | 49061 |
| (67437) | 14.1 | 209.86365 | 121.39929 | 209.94430 | 11.37715 | 0.1094400 | 3.0722457 | 49041 | (67489) | 16.2 | 248.33410 | 153.13843 | 212.12191 | 2.68926  | 0.2521003 | 2.4780237 | 49061 |
| (67438) | 14.5 | 145.79557 | 271.57568 | 197.17006 | 21.70093 | 0.0367027 | 2.5889487 | 49041 | (67490) | 16.2 | 336.64161 | 49.91714  | 273.31560 | 4.19371  | 0.1073223 | 2.1719587 | 49061 |
| (67439) | 15.8 | 312.80936 | 307.68434 | 45.38375  | 3.03297  | 0.1895500 | 2.1700614 | 49041 | (67491) | 16.8 | 313.99844 | 146.96989 | 192.75923 | 5.91804  | 0.1593536 | 2.2094350 | 49062 |
| (67440) | 16.1 | 281.37007 | 257.79238 | 93.48874  | 3.30317  | 0.1954737 | 2.2994321 | 49042 | (67492) | 15.4 | 217.51849 | 114.11206 | 323.07223 | 3.11860  | 0.0910817 | 2.3019150 | 49062 |
| (67441) | 16.1 | 317.84331 | 166.75300 | 152.01347 | 7.34474  | 0.1446299 | 2.2751251 | 49042 | (67493) | 15.4 | 111.98587 | 234.15825 | 253.00316 | 2.56537  | 0.0445510 | 2.6339913 | 49063 |
| (67442) | 15.8 | 241.88973 | 88.01851  | 228.64137 | 2.20693  | 0.0831105 | 2.7439162 | 49043 | (67494) | 15.6 | 336.56714 | 318.25296 | 326.26122 | 4.02040  | 0.2221101 | 2.3055036 | 49063 |
| (67443) | 16.5 | 35.28866  | 322.03973 | 286.08239 | 1.98064  | 0.1171210 | 2.1809403 | 49043 | (67495) | 16.3 | 53.20983  | 357.96821 | 225.94216 | 8.77189  | 0.1203348 | 2.2698389 | 49064 |
| (67444) | 17.0 | 305.55546 | 339.69434 | 320.48527 | 3.20085  | 0.2383518 | 2.3727860 | 49043 | (67496) | 14.8 | 258.46904 | 179.01712 | 228.87607 | 5.98511  | 0.1561089 | 2.2436762 | 49064 |
| (67445) | 15.2 | 215.59624 | 122.15135 | 193.56320 | 9.33288  | 0.0689840 | 3.0715340 | 49044 | (67497) | 17.2 | 341.10570 | 9.03777   | 310.32243 | 2.41624  | 0.2056811 | 2.1548030 | 49064 |
| (67446) | 14.9 | 231.51835 | 111.89254 | 320.15286 | 7.93484  | 0.0913651 | 2.3711128 | 49044 | (67498) | 14.8 | 165.56654 | 111.31508 | 28.26914  | 6.89759  | 0.0814837 | 2.3930009 | 49065 |
| (67447) | 14.9 | 330.10810 | 25.33328  | 295.48269 | 4.16107  | 0.1804467 | 2.2936576 | 49044 | (67499) | 15.7 | 221.59650 | 183.06825 | 246.87154 | 6.49144  | 0.0856513 | 2.3353412 | 49065 |
| (67448) | 16.0 | 215.11060 | 176.15719 | 227.91007 | 6.14237  | 0.0948510 | 2.3659164 | 49045 | (67500) | 16.0 | 344.62765 | 30.82623  | 279.98834 | 6.56557  | 0.1324457 | 2.2201764 | 49066 |
| (67449) | 15.6 | 210.94564 | 216.87613 | 190.12465 | 8.63558  | 0.0772248 | 2.4069228 | 49045 | (67501) | 14.7 | 169.64521 | 176.32374 | 325.57010 | 9.46571  | 0.0979547 | 2.2726710 | 49066 |
| (67450) | 16.8 | 141.11039 | 266.58037 | 246.37026 | 3.28204  | 0.0678673 | 2.1856048 | 49046 | (67502) | 16.2 | 282.65768 | 99.51752  | 259.61276 | 5.12978  | 0.3316108 | 2.3226901 | 49067 |
| (67451) | 13.9 | 58.47838  | 186.42421 | 328.11329 | 12.00658 | 0.1385965 | 2.7065461 | 49046 | (67503) | 15.1 | 210.13014 | 132.56135 | 318.76290 | 6.26318  | 0.0585971 | 2.3012231 | 49067 |
| (67452) | 15.8 | 230.49572 | 143.17097 | 290.37856 | 2.77646  | 0.1073452 | 2.1977187 | 49046 | (67504) | 17.1 | 313.98121 | 68.71610  | 288.27851 | 2.32593  | 0.1959941 | 2.1850276 | 49068 |
| (67453) | 15.0 | 216.10365 | 204.19035 | 195.12123 | 4.50921  | 0.2092347 | 2.5292589 | 49047 | (67505) | 16.4 | 323.05532 | 48.70967  | 305.01659 | 4.26128  | 0.1474908 | 2.1928065 | 49068 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67506) | 16.3 | 241.14649 | 91.87738  | 340.68410 | 6.49892  | 0.1381818 | 2.3229064 | 49068 | (67558) | 17.4 | 356.57260 | 203.63623 | 91.38572  | 2.97454  | 0.1051151 | 2.2541963 | 49088 |
| (67507) | 15.5 | 347.08241 | 311.28116 | 28.66231  | 5.46498  | 0.1382310 | 2.1491745 | 49069 | (67559) | 16.9 | 16.05263  | 110.90011 | 169.87113 | 4.05329  | 0.1564248 | 2.1854847 | 49089 |
| (67508) | 14.1 | 50.27779  | 202.38401 | 44.67215  | 7.15244  | 0.1047989 | 2.3661340 | 49069 | (67560) | 15.5 | 115.73813 | 31.40468  | 146.91984 | 3.65635  | 0.1370340 | 2.3484703 | 49089 |
| (67509) | 16.0 | 260.04180 | 29.96135  | 26.60328  | 5.00861  | 0.1167160 | 2.3251660 | 49070 | (67561) | 15.3 | 151.10971 | 68.95887  | 91.68920  | 5.60992  | 0.0819223 | 2.2605251 | 49090 |
| (67510) | 16.3 | 286.74447 | 356.81308 | 42.97374  | 2.81250  | 0.2324103 | 2.2923464 | 49070 | (67562) | 16.4 | 347.87599 | 188.70961 | 103.57061 | 5.37215  | 0.2095490 | 2.2716762 | 49090 |
| (67511) | 14.5 | 318.79829 | 276.29406 | 81.84055  | 7.95062  | 0.0780615 | 2.3502003 | 49070 | (67563) | 15.1 | 222.75871 | 304.61000 | 66.66519  | 7.51195  | 0.1625262 | 2.7404037 | 49090 |
| (67512) | 13.7 | 187.22201 | 159.12811 | 333.67200 | 11.28548 | 0.1086567 | 2.3741254 | 49071 | (67564) | 15.6 | 301.49494 | 216.44372 | 142.61151 | 6.97427  | 0.1312292 | 2.2688308 | 49091 |
| (67513) | 16.5 | 319.07395 | 202.45287 | 146.67144 | 3.52253  | 0.1830344 | 2.2278252 | 49071 | (67565) | 15.2 | 79.30766  | 139.43129 | 72.41773  | 5.49368  | 0.1184985 | 2.3285226 | 49091 |
| (67514) | 14.6 | 210.66401 | 157.41240 | 283.06711 | 13.25413 | 0.0608435 | 2.5539128 | 49072 | (67566) | 15.9 | 57.45426  | 308.29587 | 258.51961 | 4.82950  | 0.2085767 | 2.3144785 | 49092 |
| (67515) | 15.3 | 114.29039 | 300.94826 | 225.95223 | 13.75473 | 0.1306352 | 2.8045285 | 49072 | (67567) | 15.9 | 13.81772  | 283.53470 | 340.77764 | 6.98226  | 0.0905832 | 2.2872433 | 49092 |
| (67516) | 17.3 | 315.96146 | 190.85218 | 153.47911 | 5.69690  | 0.2113119 | 2.2003387 | 49073 | (67568) | 15.9 | 39.98143  | 19.97509  | 222.28765 | 5.08716  | 0.1061883 | 2.2741681 | 49092 |
| (67517) | 15.3 | 350.75883 | 297.09660 | 11.01273  | 5.33620  | 0.2095821 | 2.1695259 | 49073 | (67569) | 16.1 | 3.96537   | 117.79048 | 131.61033 | 7.39515  | 0.0894023 | 2.3890001 | 49093 |
| (67518) | 15.8 | 5.81359   | 147.47416 | 134.63861 | 4.80754  | 0.1955882 | 2.2199618 | 49073 | (67570) | 15.1 | 41.84201  | 14.43531  | 212.89415 | 3.54749  | 0.1075899 | 2.3486130 | 49093 |
| (67519) | 15.3 | 329.06095 | 182.33511 | 140.79115 | 4.97229  | 0.2053953 | 2.2644654 | 49074 | (67571) | 17.5 | 342.50871 | 357.58437 | 318.77346 | 1.66639  | 0.1604022 | 2.1672624 | 49093 |
| (67520) | 15.7 | 284.93703 | 176.14923 | 169.29409 | 11.93953 | 0.1284358 | 2.4166645 | 49074 | (67572) | 16.9 | 332.01329 | 38.96915  | 286.68745 | 1.28011  | 0.0415506 | 2.2430168 | 49094 |
| (67521) | 15.4 | 199.43341 | 288.59465 | 163.60010 | 6.39454  | 0.0153454 | 2.3066602 | 49075 | (67573) | 16.6 | 326.78100 | 178.24773 | 131.11168 | 1.05163  | 0.2454578 | 2.2618203 | 49094 |
| (67522) | 16.9 | 1.70729   | 141.46061 | 142.32325 | 3.67122  | 0.3085575 | 2.1757748 | 49075 | (67574) | 15.4 | 210.55031 | 270.87936 | 175.41737 | 4.19694  | 0.1108171 | 2.3491703 | 49094 |
| (67523) | 15.4 | 353.89301 | 275.12587 | 302.51365 | 2.30143  | 0.0721321 | 2.6651655 | 49076 | (67575) | 15.0 | 205.75741 | 318.64041 | 20.53403  | 10.89439 | 0.1079101 | 3.1344588 | 49095 |
| (67524) | 16.8 | 18.12204  | 327.69016 | 289.09583 | 4.90560  | 0.1319261 | 2.2464360 | 49076 | (67576) | 17.1 | 355.11953 | 110.61721 | 183.97418 | 2.59351  | 0.1770099 | 2.2180997 | 49095 |
| (67525) | 16.0 | 330.34068 | 338.83441 | 312.00569 | 1.59502  | 0.2175013 | 2.3352468 | 49076 | (67577) | 16.8 | 281.35670 | 232.94879 | 163.96992 | 1.20801  | 0.1922178 | 2.2048147 | 49095 |
| (67526) | 16.6 | 347.42328 | 41.03360  | 204.85643 | 4.93785  | 0.1893923 | 2.3869126 | 49077 | (67578) | 16.5 | 253.38497 | 231.27089 | 193.75415 | 4.70580  | 0.1155623 | 2.2226280 | 49096 |
| (67527) | 15.3 | 287.26922 | 33.04072  | 220.51371 | 1.33504  | 0.0562550 | 2.9541554 | 49077 | (67579) | 16.6 | 296.11347 | 213.26847 | 165.73939 | 1.65264  | 0.1428611 | 2.1935265 | 49096 |
| (67528) | 16.3 | 311.17663 | 140.19102 | 203.95676 | 2.44947  | 0.1457767 | 2.2109197 | 49077 | (67580) | 17.0 | 212.48125 | 299.49091 | 166.15899 | 5.18643  | 0.0993705 | 2.2565943 | 49097 |
| (67529) | 16.5 | 254.75132 | 150.74744 | 260.16779 | 6.09615  | 0.1064620 | 2.2374430 | 49078 | (67581) | 16.7 | 339.83621 | 271.47613 | 40.25910  | 4.19945  | 0.1782033 | 2.2388644 | 49097 |
| (67530) | 16.3 | 106.83194 | 238.94902 | 293.71479 | 6.87770  | 0.0472749 | 2.3486359 | 49078 | (67582) | 15.3 | 130.91514 | 125.19995 | 51.11360  | 7.26531  | 0.0539991 | 2.2757979 | 49098 |
| (67531) | 14.8 | 87.19988  | 231.12956 | 308.08270 | 3.41572  | 0.1520588 | 2.4403200 | 49079 | (67583) | 14.8 | 116.69560 | 1.10052   | 167.82179 | 7.63538  | 0.1114391 | 2.4552840 | 49098 |
| (67532) | 17.1 | 309.39939 | 229.22424 | 130.27033 | 2.86455  | 0.1579882 | 2.1814805 | 49079 | (67584) | 15.8 | 215.39521 | 327.36991 | 137.59794 | 3.13926  | 0.0927734 | 2.2664685 | 49099 |
| (67533) | 15.5 | 11.40776  | 113.92322 | 154.31191 | 6.69159  | 0.0870203 | 2.3088057 | 49079 | (67585) | 18.4 | 273.79264 | 240.92122 | 166.66221 | 3.61058  | 0.1924772 | 2.2348656 | 49099 |
| (67534) | 16.7 | 280.74346 | 6.98870   | 33.34359  | 2.83177  | 0.1561596 | 2.1672874 | 49080 | (67586) | 14.7 | 195.33782 | 355.22492 | 99.09838  | 5.89149  | 0.0747203 | 2.4478711 | 49099 |
| (67535) | 15.9 | 318.02254 | 33.52428  | 275.44634 | 9.91289  | 0.1450525 | 2.3547869 | 49080 | (67587) | 16.1 | 248.02079 | 283.77171 | 148.49817 | 6.80884  | 0.1045296 | 2.2612455 | 49100 |
| (67536) | 13.8 | 56.18423  | 313.75008 | 248.19706 | 12.05160 | 0.1150026 | 2.5474131 | 49081 | (67588) | 15.4 | 237.83250 | 302.83124 | 145.06402 | 6.80449  | 0.1295234 | 2.2959268 | 49100 |
| (67537) | 15.1 | 294.15773 | 97.33575  | 243.30975 | 22.05375 | 0.2788168 | 2.3169854 | 49081 | (67589) | 14.7 | 148.86665 | 225.55466 | 270.64247 | 10.63781 | 0.1595093 | 2.3373573 | 49101 |
| (67538) | 16.2 | 303.08720 | 210.01367 | 129.65632 | 5.95544  | 0.2357430 | 2.2717817 | 49082 | (67590) | 15.7 | 55.30667  | 287.51089 | 295.96381 | 6.70786  | 0.0628359 | 2.3329426 | 49101 |
| (67539) | 17.3 | 296.75885 | 259.16061 | 106.14441 | 2.55925  | 0.1879942 | 2.2347111 | 49082 | (67591) | 15.4 | 56.96695  | 258.22507 | 326.37836 | 5.93649  | 0.1028218 | 2.2980320 | 49101 |
| (67540) | 15.3 | 301.97630 | 252.06747 | 76.85972  | 7.40899  | 0.1283547 | 2.3696956 | 49082 | (67592) | 16.3 | 253.16467 | 106.70252 | 318.56957 | 5.03540  | 0.1127141 | 2.2058872 | 49102 |
| (67541) | 16.6 | 75.51365  | 351.27763 | 222.11308 | 4.13969  | 0.0716039 | 2.2411792 | 49082 | (67593) | 14.8 | 42.81456  | 298.43255 | 261.70828 | 10.83024 | 0.1303317 | 2.6539871 | 49102 |
| (67542) | 15.3 | 31.46446  | 358.81844 | 256.74519 | 5.01795  | 0.2090415 | 2.2636315 | 49083 | (67594) | 15.3 | 111.56743 | 193.60573 | 346.59911 | 6.79125  | 0.0433683 | 2.3101344 | 49102 |
| (67543) | 17.3 | 353.25137 | 307.59626 | 359.28453 | 2.73133  | 0.1477557 | 2.1311505 | 49083 | (67595) | 16.1 | 320.41137 | 52.70415  | 291.12136 | 6.37650  | 0.1186727 | 2.2166425 | 49103 |
| (67544) | 15.9 | 55.32680  | 255.81677 | 328.31210 | 4.81476  | 0.1622184 | 2.2257893 | 49084 | (67596) | 15.3 | 108.67498 | 224.35263 | 324.44781 | 5.53392  | 0.1384847 | 2.2927218 | 49103 |
| (67545) | 15.2 | 178.46270 | 342.50437 | 20.32915  | 2.13578  | 0.0936005 | 3.0736294 | 49084 | (67597) | 16.3 | 3.58078   | 313.82663 | 328.51821 | 4.97113  | 0.1606672 | 2.2428891 | 49104 |
| (67546) | 17.0 | 16.44349  | 148.95524 | 125.49756 | 5.29999  | 0.1197225 | 2.2106170 | 49084 | (67598) | 16.3 | 9.15653   | 297.81011 | 344.60533 | 6.51032  | 0.1458031 | 2.2245099 | 49104 |
| (67547) | 14.7 | 21.45831  | 254.84410 | 329.44918 | 4.71888  | 0.0459388 | 2.6125194 | 49085 | (67599) | 16.7 | 319.68445 | 83.91140  | 226.76990 | 2.95977  | 0.1619711 | 2.3440645 | 49105 |
| (67548) | 11.9 | 18.43258  | 147.16268 | 272.71038 | 11.77119 | 0.1361412 | 5.2071583 | 49085 | (67600) | 15.8 | 12.43560  | 53.53941  | 218.15558 | 5.09908  | 0.1555309 | 2.2798757 | 49105 |
| (67549) | 16.4 | 19.03002  | 314.65943 | 303.06596 | 5.63708  | 0.1160148 | 2.2135802 | 49085 | (67601) | 16.7 | 334.70326 | 114.50627 | 200.32716 | 2.68073  | 0.1924070 | 2.2387658 | 49106 |
| (67550) | 16.8 | 340.44578 | 282.20185 | 349.16206 | 2.88655  | 0.2367877 | 2.3101582 | 49086 | (67602) | 15.2 | 142.55522 | 149.55515 | 14.52637  | 5.96582  | 0.0837958 | 2.2918579 | 49106 |
| (67551) | 15.2 | 357.66287 | 204.26331 | 359.94624 | 14.96942 | 0.0766480 | 2.8502288 | 49086 | (67603) | 16.6 | 356.47162 | 298.31143 | 357.59421 | 2.77542  | 0.1656107 | 2.2316879 | 49107 |
| (67552) | 17.4 | 344.35636 | 148.70747 | 157.09456 | 4.59100  | 0.2034643 | 2.1872598 | 49086 | (67604) | 15.4 | 63.05960  | 1.33094   | 214.95149 | 2.91775  | 0.1331911 | 2.4024126 | 49107 |
| (67553) | 17.2 | 32.02824  | 66.60233  | 182.07370 | 6.15910  | 0.0873747 | 2.2727869 | 49087 | (67605) | 15.2 | 106.89623 | 176.90116 | 21.42287  | 3.84313  | 0.0744037 | 2.2703141 | 49107 |
| (67554) | 15.2 | 114.04580 | 283.27516 | 179.72294 | 11.82318 | 0.1533776 | 2.9624047 | 49087 | (67606) | 14.9 | 211.44714 | 22.84118  | 13.77423  | 1.94880  | 0.0972677 | 2.6701847 | 49108 |
| (67555) | 16.6 | 299.94887 | 253.59103 | 110.17666 | 2.33074  | 0.1814045 | 2.2151278 | 49087 | (67607) | 16.7 | 4.14951   | 116.70979 | 188.27720 | 4.46795  | 0.1687757 | 2.1551829 | 49109 |
| (67556) | 14.7 | 217.50145 | 279.26912 | 34.62891  | 3.30669  | 0.0953943 | 3.1461444 | 49088 | (67608) | 15.0 | 191.00330 | 74.13351  | 49.90748  | 6.78584  | 0.0365584 | 2.2667177 | 49109 |
| (67557) | 15.1 | 159.16070 | 101.95911 | 48.63104  | 7.26773  | 0.0920637 | 2.2658516 | 49088 | (67609) | 15.0 | 114.59903 | 173.17022 | 357.49647 | 3.40972  | 0.0905986 | 2.4333639 | 49110 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67610) | 14.4 | 270.95977 | 202.99746 | 256.15974 | 7.49663  | 0.1194731 | 2.2259641 | 49110 | (67662) | 15.5 | 12.37891  | 172.04081 | 65.25028  | 4.38727  | 0.1865077 | 2.5626300 | 49130 |
| (67611) | 14.6 | 299.96620 | 333.61306 | 70.97289  | 8.27026  | 0.2049914 | 2.2920016 | 49111 | (67663) | 15.5 | 158.87274 | 109.12290 | 40.56324  | 7.20138  | 0.0504883 | 2.2913932 | 49130 |
| (67612) | 15.6 | 329.05541 | 353.72549 | 4.69802   | 5.92615  | 0.1766041 | 2.3231155 | 49111 | (67664) | 16.9 | 300.96788 | 217.97030 | 156.50946 | 6.66778  | 0.1281975 | 2.2249392 | 49130 |
| (67613) | 16.4 | 353.24529 | 6.69302   | 282.86366 | 6.96872  | 0.1947361 | 2.2233067 | 49111 | (67665) | 15.1 | 346.69807 | 76.35924  | 267.84062 | 5.55829  | 0.1487343 | 2.3718068 | 49131 |
| (67614) | 15.9 | 252.18830 | 101.90446 | 317.81019 | 3.37213  | 0.1241403 | 2.2735600 | 49112 | (67666) | 16.2 | 3.95316   | 46.63435  | 214.68308 | 9.84476  | 0.1979797 | 2.3675838 | 49131 |
| (67615) | 15.0 | 293.98038 | 120.65013 | 240.94774 | 6.19296  | 0.1812138 | 2.2597273 | 49112 | (67667) | 18.0 | 300.69611 | 181.12161 | 187.85557 | 6.25827  | 0.1667863 | 2.2411369 | 49131 |
| (67616) | 15.1 | 204.08747 | 143.23725 | 307.99552 | 5.65823  | 0.0758332 | 2.3572525 | 49113 | (67668) | 17.1 | 293.34265 | 188.85372 | 182.72483 | 5.87135  | 0.1264163 | 2.2845572 | 49132 |
| (67617) | 15.1 | 235.02715 | 147.94597 | 291.09700 | 2.65939  | 0.1538981 | 2.2842293 | 49113 | (67669) | 15.4 | 340.41170 | 251.18509 | 74.17085  | 4.25683  | 0.1234882 | 2.2426083 | 49132 |
| (67618) | 15.6 | 136.52615 | 226.46803 | 290.26831 | 1.76723  | 0.1205936 | 2.4227468 | 49113 | (67670) | 15.6 | 342.17555 | 275.70171 | 45.13291  | 6.99692  | 0.1551304 | 2.2456568 | 49132 |
| (67619) | 14.9 | 110.04710 | 312.38087 | 216.86064 | 11.47474 | 0.2144954 | 2.6405769 | 49114 | (67671) | 16.7 | 281.26946 | 194.61566 | 190.40063 | 6.38371  | 0.1185735 | 2.3151957 | 49133 |
| (67620) | 15.9 | 124.08079 | 231.14672 | 301.54011 | 5.54081  | 0.0530940 | 2.3593259 | 49114 | (67672) | 16.2 | 337.12496 | 303.18266 | 28.07695  | 7.28805  | 0.1756352 | 2.2085698 | 49133 |
| (67621) | 16.1 | 348.88720 | 59.01608  | 257.54680 | 5.46324  | 0.1927159 | 2.1777977 | 49115 | (67673) | 15.9 | 18.32479  | 258.32996 | 34.56317  | 3.08364  | 0.1695316 | 2.1869498 | 49133 |
| (67622) | 15.7 | 215.17574 | 136.99387 | 333.10758 | 6.35817  | 0.0908182 | 2.2406680 | 49115 | (67674) | 15.6 | 5.35038   | 75.20419  | 221.01097 | 6.32808  | 0.1387952 | 2.2625926 | 49134 |
| (67623) | 16.3 | 41.59545  | 105.65677 | 145.16540 | 4.12670  | 0.1568456 | 2.2544851 | 49116 | (67675) | 14.3 | 231.21982 | 148.41332 | 152.71380 | 24.26699 | 0.2527309 | 3.0993875 | 49134 |
| (67624) | 14.5 | 359.40601 | 280.91849 | 349.11668 | 7.91528  | 0.1735903 | 2.4203193 | 49116 | (67676) | 15.7 | 17.96323  | 331.53656 | 298.55850 | 5.76970  | 0.1047832 | 2.2921999 | 49134 |
| (67625) | 14.4 | 59.82184  | 241.29122 | 0.35311   | 6.62195  | 0.1033688 | 2.3257464 | 49116 | (67677) | 14.7 | 282.61305 | 24.07910  | 230.27449 | 5.07221  | 0.0683473 | 3.2499513 | 49135 |
| (67626) | 14.1 | 46.27771  | 230.45735 | 13.46698  | 9.69097  | 0.2214064 | 2.3553965 | 49117 | (67678) | 13.7 | 194.51314 | 162.02993 | 300.42786 | 11.08358 | 0.2027057 | 2.5325541 | 49135 |
| (67627) | 16.5 | 319.39203 | 221.98669 | 123.05182 | 7.25290  | 0.1637467 | 2.2048071 | 49117 | (67679) | 15.1 | 83.71625  | 230.65834 | 333.39479 | 6.39548  | 0.1045385 | 2.2682372 | 49135 |
| (67628) | 14.1 | 208.90572 | 248.16021 | 174.00751 | 21.71985 | 0.1265856 | 2.6147367 | 49118 | (67680) | 15.5 | 73.66276  | 317.43667 | 250.34453 | 13.75324 | 0.0600626 | 2.4630824 | 49136 |
| (67629) | 14.0 | 243.07888 | 286.76619 | 353.52941 | 13.36682 | 0.0331619 | 3.1080828 | 49118 | (67681) | 14.2 | 133.49106 | 310.62966 | 238.95553 | 20.74948 | 0.2249273 | 2.2988567 | 49136 |
| (67630) | 15.3 | 106.68505 | 29.69770  | 152.80578 | 8.98818  | 0.1445972 | 2.3457510 | 49118 | (67682) | 16.1 | 299.04455 | 56.21294  | 334.00261 | 3.34790  | 0.1732715 | 2.2398673 | 49137 |
| (67631) | 15.5 | 140.87300 | 60.93148  | 28.23520  | 1.89804  | 0.0452969 | 2.7327682 | 49119 | (67683) | 17.0 | 351.84495 | 337.50120 | 316.04112 | 5.92640  | 0.1623833 | 2.2291850 | 49137 |
| (67632) | 15.8 | 70.66055  | 167.30283 | 47.89867  | 3.05107  | 0.1513188 | 2.3607914 | 49119 | (67684) | 17.4 | 166.70919 | 176.83424 | 325.36633 | 6.88901  | 0.0620077 | 2.2318770 | 49138 |
| (67633) | 16.2 | 9.46706   | 185.20691 | 103.10175 | 6.31760  | 0.0511252 | 2.2120730 | 49120 | (67685) | 16.1 | 340.38375 | 48.82686  | 228.43291 | 5.83295  | 0.1088851 | 2.4131408 | 49138 |
| (67634) | 16.0 | 287.56083 | 252.63393 | 87.31823  | 7.25065  | 0.1457277 | 2.3897219 | 49120 | (67686) | 14.8 | 130.11892 | 302.59676 | 225.06002 | 7.55563  | 0.0937169 | 2.3019955 | 49138 |
| (67635) | 16.8 | 307.16248 | 205.04574 | 148.53355 | 7.22932  | 0.1660845 | 2.2242277 | 49120 | (67687) | 16.9 | 267.60561 | 95.36566  | 323.40584 | 5.47267  | 0.0808865 | 2.1656416 | 49138 |
| (67636) | 13.9 | 145.76743 | 19.62344  | 73.86893  | 10.11219 | 0.1173211 | 2.7764879 | 49121 | (67688) | 15.5 | 35.76725  | 8.58982   | 254.15432 | 5.09599  | 0.1190422 | 2.2133547 | 49139 |
| (67637) | 16.1 | 332.35832 | 197.20516 | 102.61071 | 7.39901  | 0.1958890 | 2.3015337 | 49121 | (67689) | 15.6 | 257.14374 | 249.95005 | 165.89450 | 2.55341  | 0.1868414 | 2.3456407 | 49139 |
| (67638) | 15.7 | 101.09090 | 255.93037 | 279.58811 | 1.21971  | 0.1547093 | 2.3574190 | 49122 | (67690) | 16.4 | 262.90945 | 139.17970 | 278.83161 | 2.74891  | 0.2235870 | 2.3027841 | 49140 |
| (67639) | 17.1 | 5.04860   | 81.83443  | 185.92300 | 5.90600  | 0.2114696 | 2.2508643 | 49122 | (67691) | 13.2 | 216.57352 | 133.21412 | 251.44100 | 20.97896 | 0.0216278 | 2.6716473 | 49140 |
| (67640) | 15.5 | 341.68174 | 186.96782 | 118.64911 | 6.43226  | 0.2057941 | 2.2345653 | 49122 | (67692) | 15.5 | 181.98540 | 244.44203 | 252.02521 | 2.87745  | 0.0392129 | 2.2412962 | 49140 |
| (67641) | 15.7 | 296.12723 | 244.38501 | 87.93333  | 7.63093  | 0.1354368 | 2.4090716 | 49123 | (67693) | 16.3 | 96.23053  | 16.79254  | 171.78510 | 2.42258  | 0.1425623 | 2.3792264 | 49141 |
| (67642) | 17.0 | 258.98538 | 276.61033 | 132.19285 | 6.44037  | 0.1000996 | 2.2807847 | 49123 | (67694) | 14.5 | 258.90052 | 350.29210 | 270.06748 | 14.16390 | 0.0588635 | 3.0815999 | 49141 |
| (67643) | 14.5 | 325.86871 | 237.23068 | 98.82308  | 6.50458  | 0.2151366 | 2.2023854 | 49123 | (67695) | 16.4 | 227.55636 | 125.55653 | 326.02800 | 3.07931  | 0.0755487 | 2.2574862 | 49141 |
| (67644) | 16.1 | 265.44594 | 279.16318 | 125.31240 | 7.92812  | 0.1615251 | 2.2949380 | 49124 | (67696) | 13.9 | 189.29842 | 235.93061 | 97.65181  | 14.05128 | 0.1874289 | 3.1847653 | 49142 |
| (67645) | 15.0 | 357.47563 | 196.14248 | 111.48183 | 8.63264  | 0.2026696 | 2.2105657 | 49124 | (67697) | 15.0 | 5.76694   | 172.35360 | 104.42553 | 9.22194  | 0.2370939 | 2.2485379 | 49142 |
| (67646) | 14.7 | 32.37943  | 178.49708 | 16.31182  | 13.34329 | 0.0808275 | 2.7930948 | 49125 | (67698) | 15.6 | 182.44582 | 310.97010 | 118.95512 | 15.15456 | 0.1110875 | 2.5116358 | 49143 |
| (67647) | 15.1 | 245.33578 | 296.49345 | 142.65368 | 7.27792  | 0.1287784 | 2.2653027 | 49125 | (67699) | 15.9 | 345.78819 | 171.57739 | 112.64076 | 5.91437  | 0.1827162 | 2.2151999 | 49143 |
| (67648) | 17.2 | 282.54153 | 258.12978 | 126.04992 | 7.16412  | 0.1814063 | 2.2987724 | 49125 | (67700) | 16.6 | 321.52491 | 267.77431 | 9.83914   | 3.22311  | 0.1301157 | 2.5446046 | 49143 |
| (67649) | 15.3 | 325.81491 | 115.81791 | 183.46244 | 15.06321 | 0.0483297 | 2.6510481 | 49126 | (67701) | 17.1 | 271.67788 | 180.17683 | 212.01312 | 4.13582  | 0.0470264 | 2.2530777 | 49144 |
| (67650) | 15.7 | 3.58774   | 264.31158 | 14.82368  | 5.35780  | 0.1767221 | 2.2737398 | 49126 | (67702) | 14.9 | 33.94091  | 62.36887  | 106.39518 | 2.43825  | 0.0850396 | 3.1185534 | 49144 |
| (67651) | 16.3 | 296.26306 | 345.44333 | 34.19686  | 3.42124  | 0.1901829 | 2.2427170 | 49126 | (67703) | 15.6 | 88.48003  | 341.58509 | 218.53351 | 0.66582  | 0.1291190 | 2.3865767 | 49144 |
| (67652) | 15.7 | 57.94162  | 123.01135 | 99.62152  | 8.06461  | 0.1039470 | 2.2627479 | 49126 | (67704) | 17.7 | 356.94434 | 186.20388 | 103.65688 | 6.38682  | 0.1621953 | 2.2635129 | 49145 |
| (67653) | 17.5 | 30.11879  | 283.92401 | 326.95406 | 1.53292  | 0.1204666 | 2.2673808 | 49127 | (67705) | 14.1 | 32.94909  | 183.45300 | 75.56004  | 8.91685  | 0.1129641 | 2.3951001 | 49145 |
| (67654) | 17.0 | 259.89625 | 300.80264 | 127.21661 | 5.93706  | 0.1283429 | 2.2310568 | 49127 | (67706) | 15.6 | 98.48418  | 17.67515  | 112.30145 | 5.47844  | 0.0656377 | 2.7858499 | 49145 |
| (67655) | 16.0 | 250.45234 | 282.92099 | 148.56617 | 10.18920 | 0.2354035 | 2.3203965 | 49127 | (67707) | 15.8 | 102.13349 | 277.31283 | 272.25203 | 4.05805  | 0.1305839 | 2.2993832 | 49146 |
| (67656) | 16.2 | 125.73120 | 44.81771  | 124.87154 | 5.09399  | 0.0452235 | 2.2019368 | 49128 | (67708) | 16.8 | 214.48456 | 9.51454   | 98.77077  | 2.43090  | 0.1390768 | 2.2478411 | 49146 |
| (67657) | 14.8 | 328.27795 | 95.88506  | 156.93518 | 5.31740  | 0.0347253 | 2.7562018 | 49128 | (67709) | 14.6 | 293.47108 | 142.81028 | 124.06325 | 12.43257 | 0.1575071 | 2.6799573 | 49146 |
| (67658) | 15.9 | 106.63126 | 23.16957  | 153.99842 | 3.16671  | 0.1228672 | 2.4460271 | 49129 | (67710) | 16.9 | 355.79390 | 56.41737  | 235.74979 | 3.06526  | 0.1289919 | 2.2840331 | 49147 |
| (67659) | 16.9 | 237.32391 | 245.09873 | 188.55360 | 7.08925  | 0.1667096 | 2.3600572 | 49129 | (67711) | 14.8 | 205.53125 | 233.89302 | 243.17814 | 5.78232  | 0.0553385 | 2.2783703 | 49147 |
| (67660) | 15.3 | 119.36992 | 295.46841 | 184.76806 | 11.67186 | 0.0712699 | 2.9704328 | 49129 | (67712) | 15.3 | 261.97551 | 179.06645 | 238.10083 | 3.93430  | 0.1258945 | 2.2652775 | 49147 |
| (67661) | 15.9 | 182.45487 | 16.29111  | 116.86794 | 4.02153  | 0.1097120 | 2.2725982 | 49129 | (67713) | 16.0 | 316.55291 | 354.60940 | 358.06048 | 1.04939  | 0.0820267 | 2.3213368 | 49148 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67714) | 16.8 | 339.90220 | 189.03956 | 153.67689 | 3.78479  | 0.1589915 | 2.1654377 | 49148 | (67766) | 15.9 | 183.11981 | 215.34117 | 261.35274 | 4.59977  | 0.0822658 | 2.3683047 | 49167 |
| (67715) | 15.3 | 63.54785  | 359.80248 | 217.59402 | 11.59406 | 0.1571655 | 2.3935584 | 49149 | (67767) | 16.4 | 131.88450 | 264.62735 | 254.32848 | 6.39502  | 0.1457204 | 2.4613972 | 49167 |
| (67716) | 15.1 | 221.89538 | 262.69768 | 178.12461 | 2.01958  | 0.1566213 | 2.4228600 | 49149 | (67768) | 16.7 | 14.25372  | 324.52238 | 308.14505 | 3.22583  | 0.1409767 | 2.3254542 | 49167 |
| (67717) | 15.7 | 211.18229 | 8.28626   | 103.00616 | 0.34842  | 0.1678223 | 2.3346939 | 49149 | (67769) | 15.9 | 132.74877 | 245.45817 | 286.46006 | 3.42504  | 0.0975073 | 2.3584230 | 49168 |
| (67718) | 16.6 | 331.78308 | 273.15722 | 64.34595  | 5.16544  | 0.1656730 | 2.2672118 | 49150 | (67770) | 15.1 | 216.49069 | 186.50677 | 275.68472 | 3.50828  | 0.1043051 | 2.3317704 | 49168 |
| (67719) | 15.2 | 225.71450 | 165.38226 | 279.46975 | 6.13794  | 0.1040358 | 2.3318563 | 49150 | (67771) | 15.5 | 242.98973 | 301.68326 | 130.97975 | 10.99247 | 0.2322391 | 2.3921475 | 49168 |
| (67720) | 15.1 | 212.32004 | 207.52178 | 255.51312 | 3.99886  | 0.0885703 | 2.3331447 | 49150 | (67772) | 16.2 | 339.58131 | 99.53832  | 221.41570 | 6.03114  | 0.1386030 | 2.2973637 | 49169 |
| (67721) | 15.8 | 350.35526 | 300.45863 | 3.78544   | 4.12619  | 0.2165019 | 2.2352397 | 49151 | (67773) | 15.0 | 341.79997 | 44.21263  | 249.84652 | 12.50581 | 0.1632691 | 2.5335358 | 49169 |
| (67722) | 16.0 | 283.96702 | 131.23878 | 263.47631 | 4.60815  | 0.1618106 | 2.2876011 | 49151 | (67774) | 16.5 | 293.87017 | 144.25262 | 244.27637 | 4.44539  | 0.1353703 | 2.2777215 | 49169 |
| (67723) | 17.2 | 26.97863  | 29.46882  | 242.23401 | 1.04762  | 0.0882877 | 2.2567864 | 49151 | (67775) | 15.6 | 87.43051  | 328.33051 | 243.67719 | 8.85563  | 0.0793319 | 2.4489265 | 49170 |
| (67724) | 15.1 | 310.91399 | 7.45930   | 348.35580 | 5.43978  | 0.1858883 | 2.2755365 | 49152 | (67776) | 16.3 | 331.89593 | 295.06525 | 44.91795  | 5.00612  | 0.0992559 | 2.3045053 | 49170 |
| (67725) | 14.3 | 329.82272 | 143.33025 | 213.04962 | 25.35829 | 0.1571776 | 2.3066847 | 49152 | (67777) | 16.6 | 344.40934 | 138.32285 | 188.48341 | 6.57619  | 0.2089483 | 2.2091044 | 49170 |
| (67726) | 17.4 | 227.87658 | 300.28622 | 144.69548 | 5.34713  | 0.0931526 | 2.3166305 | 49153 | (67778) | 16.9 | 321.88554 | 158.47170 | 179.96051 | 5.54571  | 0.1956477 | 2.2945847 | 49170 |
| (67727) | 16.0 | 238.67405 | 176.08233 | 203.07985 | 14.15443 | 0.0857882 | 2.6475635 | 49153 | (67779) | 13.7 | 186.74192 | 207.83685 | 262.73175 | 35.54027 | 0.1689715 | 2.7248128 | 49171 |
| (67728) | 15.6 | 118.79111 | 114.89572 | 77.92052  | 5.42335  | 0.0823743 | 2.3336556 | 49153 | (67780) | 16.4 | 296.21532 | 203.28461 | 109.43438 | 2.91440  | 0.1814832 | 2.5375813 | 49171 |
| (67729) | 17.1 | 327.98783 | 199.00569 | 142.08214 | 3.67136  | 0.2502314 | 2.1902820 | 49153 | (67781) | 15.6 | 178.67853 | 3.44296   | 125.40194 | 1.97644  | 0.1336753 | 2.3956234 | 49171 |
| (67730) | 15.6 | 213.11164 | 358.13979 | 111.07863 | 4.95209  | 0.1335623 | 2.3200982 | 49154 | (67782) | 16.9 | 336.01098 | 222.72174 | 111.72158 | 2.19953  | 0.2228404 | 2.1743428 | 49172 |
| (67731) | 16.4 | 328.88246 | 157.05750 | 177.12625 | 7.47925  | 0.1894425 | 2.2540011 | 49154 | (67783) | 16.7 | 332.68015 | 173.71501 | 156.66325 | 4.72471  | 0.2340912 | 2.2395611 | 49172 |
| (67732) | 15.6 | 298.11740 | 186.56527 | 184.17572 | 6.12498  | 0.1367883 | 2.2934284 | 49155 | (67784) | 16.8 | 301.66076 | 252.67773 | 113.79197 | 7.42149  | 0.1532697 | 2.3057078 | 49172 |
| (67733) | 16.2 | 341.77615 | 247.11782 | 88.07031  | 6.76134  | 0.2060263 | 2.1809401 | 49155 | (67785) | 16.0 | 129.50505 | 276.46576 | 258.58559 | 3.36889  | 0.0997323 | 2.3245429 | 49173 |
| (67734) | 15.2 | 39.97092  | 157.80818 | 107.02546 | 6.51217  | 0.0330023 | 2.3631211 | 49155 | (67786) | 15.5 | 356.93102 | 39.63810  | 267.97513 | 6.89957  | 0.1618542 | 2.2401545 | 49173 |
| (67735) | 16.3 | 314.21954 | 161.64594 | 175.29744 | 6.30144  | 0.2270582 | 2.3151489 | 49156 | (67787) | 15.9 | 311.67846 | 91.38232  | 275.47560 | 5.06023  | 0.1360834 | 2.2185831 | 49173 |
| (67736) | 16.0 | 29.01054  | 345.16354 | 272.96080 | 3.03617  | 0.1042260 | 2.2881304 | 49156 | (67788) | 15.6 | 56.00892  | 238.11837 | 13.12821  | 7.02037  | 0.0701281 | 2.3171287 | 49174 |
| (67737) | 15.8 | 355.27451 | 92.38647  | 200.31011 | 6.52752  | 0.1179806 | 2.3454616 | 49156 | (67789) | 15.4 | 296.19741 | 104.22082 | 265.14206 | 4.33025  | 0.1896582 | 2.2829558 | 49174 |
| (67738) | 16.8 | 46.70287  | 125.32600 | 128.53219 | 1.49531  | 0.1043110 | 2.2708341 | 49157 | (67790) | 15.1 | 235.43093 | 152.10119 | 299.20182 | 4.42919  | 0.1434921 | 2.3202171 | 49174 |
| (67739) | 16.5 | 348.07713 | 302.81834 | 15.26294  | 6.56350  | 0.1644039 | 2.2157525 | 49157 | (67791) | 14.9 | 230.07487 | 79.59606  | 20.66927  | 6.00156  | 0.1414352 | 2.3100536 | 49175 |
| (67740) | 17.0 | 325.04257 | 232.25698 | 104.40337 | 2.22738  | 0.1770991 | 2.2883826 | 49157 | (67792) | 15.8 | 356.89926 | 355.52489 | 316.78940 | 4.37600  | 0.1324290 | 2.2502853 | 49175 |
| (67741) | 15.7 | 292.18241 | 137.47110 | 251.03866 | 6.68013  | 0.1480924 | 2.2779664 | 49158 | (67793) | 15.7 | 318.12796 | 62.54395  | 287.40229 | 4.45323  | 0.2205172 | 2.2317959 | 49176 |
| (67742) | 16.2 | 9.73985   | 71.20081  | 220.26979 | 4.05877  | 0.1649494 | 2.2229311 | 49158 | (67794) | 14.3 | 93.16938  | 317.43135 | 271.10479 | 5.85656  | 0.0637699 | 2.3555461 | 49176 |
| (67743) | 15.8 | 46.67144  | 30.93233  | 206.89943 | 2.25028  | 0.1154729 | 2.4055672 | 49158 | (67795) | 14.3 | 325.59638 | 32.76872  | 269.31597 | 11.74714 | 0.1588778 | 2.6111594 | 49177 |
| (67744) | 15.8 | 224.77974 | 189.41231 | 245.81817 | 5.05448  | 0.1300969 | 2.2450890 | 49159 | (67796) | 14.1 | 304.14742 | 61.75352  | 252.18459 | 13.83766 | 0.1020091 | 2.7109741 | 49177 |
| (67745) | 15.8 | 333.98073 | 88.42841  | 198.88019 | 2.58649  | 0.1118338 | 2.5501652 | 49159 | (67797) | 16.5 | 190.40575 | 356.29048 | 116.27100 | 6.98670  | 0.0429353 | 2.3566969 | 49177 |
| (67746) | 17.4 | 278.14547 | 16.23638  | 29.09005  | 5.82308  | 0.1452020 | 2.2385858 | 49159 | (67798) | 17.0 | 95.60968  | 60.73739  | 148.14598 | 6.60969  | 0.0487819 | 2.3692789 | 49178 |
| (67747) | 16.0 | 342.45338 | 115.17583 | 204.09501 | 3.23421  | 0.1590957 | 2.2721965 | 49160 | (67799) | 14.7 | 251.52461 | 142.82559 | 194.26417 | 10.11560 | 0.0930591 | 3.0096850 | 49178 |
| (67748) | 16.9 | 316.21441 | 149.12199 | 199.83725 | 5.67201  | 0.1306081 | 2.2903406 | 49160 | (67800) | 15.3 | 222.21138 | 333.31603 | 125.54439 | 6.04792  | 0.1851234 | 2.3961700 | 49178 |
| (67749) | 15.2 | 262.66347 | 196.95098 | 224.55412 | 5.88399  | 0.0796220 | 2.2757861 | 49160 | (67801) | 15.4 | 238.90349 | 340.70681 | 101.77778 | 8.33638  | 0.1060763 | 2.3373159 | 49179 |
| (67750) | 15.4 | 299.78433 | 81.57853  | 262.10781 | 2.84679  | 0.2481306 | 2.3639530 | 49161 | (67802) | 15.5 | 132.80701 | 316.41214 | 222.06658 | 5.30545  | 0.1324647 | 2.3208242 | 49179 |
| (67751) | 14.8 | 312.41809 | 243.78997 | 64.23631  | 10.28546 | 0.0827498 | 2.6493584 | 49161 | (67803) | 15.3 | 37.30003  | 246.31660 | 359.19313 | 1.93451  | 0.1743002 | 2.4048457 | 49179 |
| (67752) | 15.0 | 231.66930 | 307.96924 | 67.72840  | 5.67316  | 0.0968160 | 2.7885282 | 49162 | (67804) | 16.3 | 187.15938 | 149.46241 | 249.85714 | 1.04743  | 0.1103718 | 2.9739684 | 49180 |
| (67753) | 14.9 | 84.97670  | 334.76090 | 250.10791 | 5.41212  | 0.0511963 | 2.3778368 | 49162 | (67805) | 16.4 | 286.48563 | 330.52474 | 64.82854  | 4.62847  | 0.1395006 | 2.2536935 | 49180 |
| (67754) | 15.2 | 45.13069  | 200.20939 | 67.15244  | 7.86795  | 0.0970532 | 2.3156833 | 49162 | (67806) | 15.1 | 275.21511 | 260.77437 | 79.90426  | 7.50963  | 0.0410327 | 2.7173149 | 49180 |
| (67755) | 16.4 | 329.97812 | 277.43263 | 51.04649  | 4.43333  | 0.1960116 | 2.3166394 | 49163 | (67807) | 15.5 | 29.52514  | 119.99172 | 144.53218 | 3.33004  | 0.0910657 | 2.4280085 | 49181 |
| (67756) | 14.5 | 262.36487 | 204.97733 | 214.43732 | 5.81277  | 0.0980328 | 2.3294692 | 49163 | (67808) | 17.0 | 313.53705 | 181.46044 | 172.92932 | 1.94193  | 0.1912464 | 2.2677237 | 49181 |
| (67757) | 16.7 | 304.02223 | 131.34455 | 233.06416 | 5.59810  | 0.1344135 | 2.2983494 | 49164 | (67809) | 15.5 | 163.97989 | 268.14001 | 224.69446 | 13.04594 | 0.1073959 | 2.5641085 | 49181 |
| (67758) | 15.4 | 333.88968 | 123.74350 | 203.54626 | 7.23312  | 0.1859317 | 2.2957643 | 49164 | (67810) | 15.4 | 13.78728  | 255.51868 | 28.74113  | 2.18800  | 0.0372021 | 2.3696224 | 49182 |
| (67759) | 16.7 | 359.96679 | 211.89175 | 106.91193 | 5.90489  | 0.1907444 | 2.2032827 | 49164 | (67811) | 15.5 | 201.01939 | 86.07673  | 307.93060 | 0.98186  | 0.0836228 | 2.8979903 | 49182 |
| (67760) | 15.1 | 333.82840 | 72.45006  | 238.74543 | 6.79981  | 0.1532319 | 2.2926223 | 49164 | (67812) | 16.0 | 332.71848 | 91.01390  | 229.22217 | 4.56656  | 0.2288957 | 2.2985646 | 49183 |
| (67761) | 15.7 | 235.72530 | 209.04012 | 230.43144 | 6.52996  | 0.0956572 | 2.2750004 | 49165 | (67813) | 16.8 | 317.38350 | 321.44878 | 24.24276  | 1.22198  | 0.1963768 | 2.2834715 | 49183 |
| (67762) | 15.0 | 75.55773  | 291.64030 | 272.14688 | 3.81350  | 0.0443967 | 2.4646682 | 49165 | (67814) | 15.9 | 340.83823 | 76.88591  | 245.77740 | 6.09241  | 0.1492992 | 2.2928237 | 49183 |
| (67763) | 16.2 | 291.64309 | 76.13256  | 256.93076 | 4.94604  | 0.1389510 | 2.4682715 | 49166 | (67815) | 16.7 | 344.52668 | 270.29740 | 56.68681  | 1.59529  | 0.1783852 | 2.2174999 | 49184 |
| (67764) | 16.1 | 285.72032 | 49.67120  | 339.84839 | 3.82700  | 0.0790217 | 2.2476775 | 49166 | (67816) | 15.9 | 330.51517 | 134.58362 | 197.13427 | 5.60073  | 0.1258215 | 2.3773815 | 49184 |
| (67765) | 15.4 | 153.01558 | 248.42482 | 273.44808 | 4.88339  | 0.1215259 | 2.3245311 | 49166 | (67817) | 13.1 | 78.58547  | 36.07146  | 129.29929 | 6.30980  | 0.1059329 | 3.1693199 | 49184 |



|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67818) | 16.0 | 241.46233 | 191.65757 | 243.03063 | 1.80414  | 0.1319403 | 2.3883041 | 49185 | (67870) | 16.1 | 333.37678 | 211.94993 | 119.56636 | 7.81718  | 0.1334087 | 2.3528616 | 49203 |
| (67819) | 16.3 | 343.05534 | 263.96500 | 74.22147  | 4.73999  | 0.1922572 | 2.2167056 | 49185 | (67871) | 16.6 | 321.34164 | 142.54761 | 199.39929 | 5.45295  | 0.2012185 | 2.3360994 | 49204 |
| (67820) | 15.2 | 352.03409 | 112.43103 | 215.81474 | 5.94929  | 0.2172846 | 2.2014338 | 49185 | (67872) | 15.7 | 307.54327 | 213.02074 | 138.89150 | 6.66236  | 0.1509461 | 2.4049313 | 49204 |
| (67821) | 16.0 | 313.35102 | 120.07212 | 211.29589 | 4.06645  | 0.2750650 | 2.3703670 | 49186 | (67873) | 15.9 | 279.66849 | 199.22745 | 198.84801 | 5.12935  | 0.1614575 | 2.3346911 | 49204 |
| (67822) | 16.3 | 264.31857 | 221.31844 | 185.61590 | 1.21685  | 0.1167526 | 2.3888262 | 49186 | (67874) | 16.4 | 337.68249 | 199.09855 | 128.08509 | 7.42853  | 0.1441676 | 2.4009490 | 49205 |
| (67823) | 16.0 | 249.52987 | 345.22507 | 91.62483  | 3.76614  | 0.1943677 | 2.3395533 | 49186 | (67875) | 14.4 | 320.84571 | 211.98698 | 138.80277 | 7.08508  | 0.1601434 | 2.3653725 | 49205 |
| (67824) | 15.6 | 300.39926 | 125.33899 | 244.09741 | 4.41956  | 0.2125659 | 2.2823742 | 49187 | (67876) | 15.3 | 301.21893 | 188.13870 | 198.18054 | 5.93059  | 0.0994323 | 2.3293651 | 49205 |
| (67825) | 16.0 | 346.91076 | 9.04089   | 310.01232 | 1.94649  | 0.1780979 | 2.2424844 | 49187 | (67877) | 15.5 | 325.62910 | 200.42116 | 152.87416 | 6.85480  | 0.1655135 | 2.3339547 | 49206 |
| (67826) | 15.9 | 152.12144 | 282.19081 | 225.36540 | 5.09397  | 0.0964806 | 2.4725856 | 49188 | (67878) | 15.9 | 318.05236 | 207.75421 | 148.47472 | 7.62620  | 0.1114553 | 2.4066530 | 49206 |
| (67827) | 15.3 | 296.54028 | 59.26984  | 327.18166 | 5.12021  | 0.1328423 | 2.2605932 | 49188 | (67879) | 16.2 | 297.28717 | 158.74141 | 219.25457 | 5.33397  | 0.1107255 | 2.3107070 | 49206 |
| (67828) | 15.7 | 289.62776 | 53.12296  | 328.22106 | 4.50944  | 0.1110442 | 2.3464984 | 49188 | (67880) | 16.4 | 322.19845 | 138.03286 | 205.06204 | 6.31733  | 0.1312774 | 2.3572534 | 49207 |
| (67829) | 16.0 | 311.81364 | 98.40596  | 259.91592 | 1.41684  | 0.1922916 | 2.3047154 | 49189 | (67881) | 16.8 | 284.90133 | 174.82920 | 216.82050 | 6.34214  | 0.1116965 | 2.3456216 | 49207 |
| (67830) | 16.7 | 289.78993 | 127.37220 | 264.72599 | 4.66990  | 0.1778323 | 2.2954329 | 49189 | (67882) | 16.6 | 283.06688 | 180.10258 | 211.41633 | 6.00431  | 0.0937073 | 2.3698201 | 49207 |
| (67831) | 15.2 | 3.68890   | 255.70716 | 62.41375  | 11.22349 | 0.1420269 | 2.3008799 | 49190 | (67883) | 15.5 | 275.42932 | 175.83157 | 235.29286 | 9.51236  | 0.1453881 | 2.3799718 | 49207 |
| (67832) | 16.1 | 351.79769 | 2.03566   | 302.48869 | 5.10633  | 0.1803149 | 2.2680299 | 49190 | (67884) | 15.1 | 300.05617 | 133.18159 | 256.35860 | 5.16639  | 0.2336449 | 2.3429253 | 49208 |
| (67833) | 15.2 | 3.98695   | 295.44625 | 8.84124   | 6.79353  | 0.1747273 | 2.2400833 | 49190 | (67885) | 16.3 | 297.25527 | 8.44822   | 11.43915  | 5.48194  | 0.1666462 | 2.2810328 | 49208 |
| (67834) | 13.5 | 17.20590  | 327.02504 | 240.12512 | 26.20767 | 0.1010245 | 3.1463046 | 49191 | (67886) | 14.8 | 265.08063 | 153.88573 | 252.98438 | 13.24276 | 0.0736174 | 2.4716762 | 49208 |
| (67835) | 15.3 | 359.45058 | 288.18177 | 350.31817 | 4.87052  | 0.1653841 | 2.4661267 | 49191 | (67887) | 13.8 | 100.15125 | 273.08551 | 268.56317 | 12.90950 | 0.1483463 | 3.0434951 | 49209 |
| (67836) | 15.8 | 314.87058 | 353.23302 | 7.03588   | 5.76309  | 0.1639500 | 2.2594767 | 49192 | (67888) | 15.9 | 311.04730 | 137.79123 | 224.58397 | 5.25535  | 0.1900419 | 2.3474631 | 49209 |
| (67837) | 16.5 | 331.88207 | 347.84854 | 353.98243 | 4.35999  | 0.1971676 | 2.2324837 | 49192 | (67889) | 15.3 | 349.40655 | 91.09818  | 246.73161 | 7.07514  | 0.2358643 | 2.2722600 | 49209 |
| (67838) | 15.5 | 328.85693 | 87.36764  | 270.21846 | 5.41868  | 0.1850234 | 2.1944023 | 49192 | (67890) | 13.7 | 231.16600 | 156.26441 | 269.08712 | 15.50584 | 0.1137273 | 2.6886653 | 49209 |
| (67839) | 15.3 | 206.09278 | 215.82823 | 267.20044 | 6.18389  | 0.1601067 | 2.4007165 | 49193 | (67891) | 15.1 | 280.44979 | 140.19551 | 270.81851 | 4.36104  | 0.2179983 | 2.3739281 | 49210 |
| (67840) | 15.5 | 46.19645  | 20.44629  | 218.94902 | 9.17278  | 0.1316581 | 2.4058819 | 49193 | (67892) | 15.8 | 247.45132 | 144.02520 | 306.17559 | 1.33914  | 0.1539974 | 2.4332328 | 49210 |
| (67841) | 14.4 | 154.83358 | 201.68247 | 292.32731 | 32.28420 | 0.1792839 | 2.6418478 | 49193 | (67893) | 15.1 | 262.33214 | 80.91608  | 3.82133   | 1.01296  | 0.1724415 | 2.3750076 | 49210 |
| (67842) | 15.6 | 352.26595 | 332.38232 | 346.80517 | 25.09265 | 0.2174906 | 2.3097969 | 49194 | (67894) | 14.9 | 30.58135  | 350.43622 | 289.65979 | 6.80878  | 0.1710240 | 2.2141712 | 49211 |
| (67843) | 15.2 | 20.93648  | 161.99305 | 100.20032 | 10.04375 | 0.2307420 | 2.3300367 | 49194 | (67895) | 14.9 | 102.41808 | 263.91732 | 307.11257 | 5.70785  | 0.0479063 | 2.3193458 | 49211 |
| (67844) | 16.5 | 11.33878  | 335.65619 | 314.70059 | 6.82581  | 0.1059947 | 2.2983394 | 49195 | (67896) | 15.5 | 35.95515  | 349.84196 | 263.33204 | 6.22672  | 0.1795099 | 2.4279805 | 49212 |
| (67845) | 16.9 | 317.00372 | 2.05263   | 337.73158 | 5.47731  | 0.1798500 | 2.3445723 | 49195 | (67897) | 15.3 | 252.19370 | 36.91387  | 35.76721  | 8.05121  | 0.0638731 | 2.2860378 | 49212 |
| (67846) | 15.6 | 324.75638 | 17.32823  | 328.97927 | 5.86025  | 0.1125994 | 2.3133960 | 49195 | (67898) | 13.3 | 264.11142 | 275.41956 | 87.90033  | 15.47615 | 0.1201766 | 3.0126366 | 49213 |
| (67847) | 16.3 | 319.86320 | 38.05554  | 333.57779 | 6.16044  | 0.1521726 | 2.2650882 | 49195 | (67899) | 14.6 | 242.55593 | 17.58001  | 50.81939  | 3.09434  | 0.1452068 | 2.6151317 | 49213 |
| (67848) | 14.8 | 327.83850 | 26.37882  | 294.46356 | 13.22097 | 0.1720668 | 2.5564639 | 49196 | (67900) | 16.2 | 335.68818 | 75.78683  | 259.26344 | 6.62289  | 0.1993713 | 2.2808513 | 49214 |
| (67849) | 15.9 | 342.41986 | 182.36110 | 120.94832 | 7.28886  | 0.2094538 | 2.3638965 | 49196 | (67901) | 16.5 | 306.33398 | 323.44340 | 47.29480  | 4.29345  | 0.1489006 | 2.2990816 | 49214 |
| (67850) | 15.2 | 221.66867 | 315.15413 | 120.83993 | 7.04255  | 0.0952897 | 2.4669660 | 49196 | (67902) | 15.8 | 339.48113 | 266.82980 | 64.54160  | 6.89327  | 0.1320143 | 2.3412376 | 49214 |
| (67851) | 15.4 | 315.28659 | 42.68557  | 334.61470 | 4.73757  | 0.1819301 | 2.2426041 | 49197 | (67903) | 14.7 | 14.04863  | 332.84127 | 267.16932 | 8.70789  | 0.0348126 | 2.9970673 | 49214 |
| (67852) | 16.1 | 265.46945 | 70.59446  | 349.36770 | 3.96778  | 0.0852178 | 2.3678427 | 49197 | (67904) | 16.2 | 308.51072 | 98.50109  | 273.68579 | 2.81102  | 0.1465401 | 2.3165289 | 49215 |
| (67853) | 16.3 | 316.30112 | 205.96996 | 143.34835 | 5.48431  | 0.1750723 | 2.3655411 | 49197 | (67905) | 16.1 | 315.69232 | 285.39489 | 70.62440  | 4.39148  | 0.2199113 | 2.3174439 | 49215 |
| (67854) | 15.4 | 11.62332  | 16.05217  | 278.20313 | 12.29288 | 0.2427594 | 2.6493513 | 49198 | (67906) | 15.3 | 220.99615 | 11.51511  | 91.07152  | 3.14520  | 0.1469139 | 2.4452274 | 49215 |
| (67855) | 13.8 | 220.49052 | 333.56652 | 65.19125  | 13.93618 | 0.1598986 | 2.5181182 | 49198 | (67907) | 15.8 | 249.19230 | 49.54787  | 25.93948  | 1.40906  | 0.1636479 | 2.3921444 | 49216 |
| (67856) | 14.2 | 315.04734 | 68.52212  | 287.23649 | 12.91016 | 0.2871967 | 2.3847556 | 49198 | (67908) | 15.1 | 330.47848 | 74.27299  | 273.51640 | 5.73923  | 0.1310739 | 2.3764897 | 49216 |
| (67857) | 15.2 | 310.44007 | 239.40924 | 74.70813  | 10.54224 | 0.1015908 | 2.7493792 | 49199 | (67909) | 14.2 | 13.68069  | 46.71728  | 276.04412 | 6.54295  | 0.1387431 | 2.2868241 | 49216 |
| (67858) | 15.0 | 47.86748  | 127.48599 | 109.19508 | 5.51446  | 0.0963272 | 2.5648612 | 49199 | (67910) | 15.1 | 357.43364 | 43.34529  | 279.80965 | 2.63957  | 0.1666715 | 2.3293205 | 49217 |
| (67859) | 15.0 | 11.80222  | 167.51769 | 103.99770 | 6.81360  | 0.0757763 | 2.4575235 | 49200 | (67911) | 16.7 | 303.57181 | 296.38526 | 74.13569  | 3.19685  | 0.2450520 | 2.3265605 | 49217 |
| (67860) | 15.4 | 359.24594 | 58.38458  | 199.12810 | 13.10451 | 0.0937450 | 2.6333841 | 49200 | (67912) | 14.2 | 319.39461 | 250.92915 | 84.25344  | 13.87396 | 0.1908997 | 2.5653617 | 49217 |
| (67861) | 15.7 | 20.39321  | 151.02731 | 141.77140 | 6.19135  | 0.1925662 | 2.1894623 | 49200 | (67913) | 16.4 | 289.52103 | 239.68230 | 160.18506 | 6.74248  | 0.1719253 | 2.2603858 | 49218 |
| (67862) | 16.3 | 235.84707 | 329.74189 | 109.00908 | 6.98435  | 0.0650075 | 2.3164558 | 49201 | (67914) | 15.6 | 295.34554 | 243.10268 | 138.04130 | 5.22803  | 0.2456314 | 2.3788585 | 49218 |
| (67863) | 16.1 | 109.23403 | 42.56197  | 149.70508 | 6.95807  | 0.0473820 | 2.4059262 | 49201 | (67915) | 16.7 | 317.13747 | 164.42926 | 190.29540 | 0.67933  | 0.2060967 | 2.4235422 | 49218 |
| (67864) | 15.6 | 316.67864 | 230.51897 | 109.63421 | 6.86750  | 0.1291323 | 2.3560861 | 49201 | (67916) | 15.0 | 312.58624 | 9.78388   | 282.45648 | 4.21763  | 0.1204071 | 3.2114335 | 49219 |
| (67865) | 16.6 | 350.99305 | 225.39047 | 101.74688 | 7.29251  | 0.2359693 | 2.1700897 | 49202 | (67917) | 15.7 | 0.07725   | 326.43898 | 317.26803 | 4.36465  | 0.1520640 | 2.5237925 | 49219 |
| (67866) | 15.0 | 164.85547 | 354.98134 | 145.93956 | 6.85761  | 0.0827577 | 2.4695090 | 49202 | (67918) | 15.3 | 28.16342  | 277.94312 | 357.61581 | 4.53396  | 0.2123318 | 2.3767786 | 49219 |
| (67867) | 15.9 | 264.11803 | 221.17865 | 186.08624 | 7.84579  | 0.1058327 | 2.3571943 | 49202 | (67919) | 16.3 | 325.46246 | 29.84154  | 336.21982 | 3.45271  | 0.1997307 | 2.1912830 | 49220 |
| (67868) | 16.3 | 347.06438 | 214.83068 | 110.10706 | 7.13596  | 0.1410466 | 2.2778917 | 49203 | (67920) | 14.6 | 151.05444 | 242.38841 | 270.96115 | 12.24911 | 0.1190219 | 2.5825638 | 49220 |
| (67869) | 16.2 | 275.94965 | 293.30598 | 98.30950  | 7.34364  | 0.1009341 | 2.3841595 | 49203 | (67921) | 15.4 | 95.52575  | 298.89100 | 266.21608 | 11.87683 | 0.1036321 | 2.5858602 | 49220 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (67922) | 15.1 | 38.33372  | 337.58701 | 308.57079 | 6.08966  | 0.1423324 | 2.2956142 | 49221 | (67974) | 14.7 | 308.01791 | 18.63514  | 338.82901 | 6.45796  | 0.2743369 | 2.2985031 | 49238 |
| (67923) | 16.4 | 324.98363 | 58.54740  | 294.50449 | 5.61127  | 0.1326445 | 2.3034019 | 49221 | (67975) | 15.3 | 295.98156 | 33.04366  | 353.31609 | 5.78688  | 0.1560433 | 2.3045827 | 49238 |
| (67924) | 16.3 | 236.49531 | 161.29160 | 293.57782 | 5.18355  | 0.1389499 | 2.3557632 | 49221 | (67976) | 14.1 | 298.83790 | 45.60625  | 278.03698 | 12.65590 | 0.2108021 | 2.5611245 | 49239 |
| (67925) | 15.1 | 5.04071   | 320.15730 | 353.29360 | 4.88119  | 0.1808641 | 2.3184610 | 49222 | (67977) | 14.6 | 324.28484 | 33.92928  | 307.81624 | 9.00472  | 0.2460287 | 2.3276260 | 49239 |
| (67926) | 14.6 | 356.30154 | 295.05214 | 29.80569  | 6.69194  | 0.1535697 | 2.3894193 | 49222 | (67978) | 15.1 | 304.82298 | 50.91613  | 316.19702 | 11.28571 | 0.2323426 | 2.4178197 | 49240 |
| (67927) | 15.1 | 353.16176 | 33.91981  | 300.49268 | 5.06951  | 0.1635412 | 2.3320163 | 49222 | (67979) | 14.3 | 141.94294 | 23.82212  | 90.63141  | 12.98595 | 0.0268061 | 3.1171146 | 49240 |
| (67928) | 15.3 | 6.12826   | 26.49070  | 268.12162 | 5.70370  | 0.1196443 | 2.4855028 | 49223 | (67980) | 14.6 | 22.97469  | 352.58780 | 306.22867 | 6.75079  | 0.1243404 | 2.3227853 | 49240 |
| (67929) | 15.8 | 103.11867 | 14.81417  | 193.30592 | 10.46010 | 0.1096935 | 2.4500287 | 49223 | (67981) | 15.4 | 2.23680   | 265.66997 | 43.51414  | 5.97054  | 0.2006533 | 2.3405060 | 49241 |
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| (67931) | 15.0 | 348.29315 | 57.00442  | 291.82321 | 4.92389  | 0.1986632 | 2.2461436 | 49224 | (67983) | 15.5 | 319.65307 | 64.29673  | 301.02024 | 7.13649  | 0.1612961 | 2.2719504 | 49242 |
| (67932) | 13.7 | 47.72589  | 281.47649 | 260.69297 | 15.59040 | 0.1422081 | 3.1578675 | 49224 | (67984) | 15.3 | 310.54876 | 35.55122  | 321.96915 | 6.13577  | 0.1349084 | 2.4047487 | 49242 |
| (67933) | 14.8 | 3.74581   | 45.31518  | 251.84298 | 6.73667  | 0.1965014 | 2.4167732 | 49224 | (67985) | 15.2 | 262.41051 | 120.97095 | 297.96380 | 7.95734  | 0.1648352 | 2.3760741 | 49242 |
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| (67952) | 16.0 | 254.39163 | 145.81741 | 209.47214 | 5.04324  | 0.1182685 | 2.7253581 | 49231 | (68004) | 15.1 | 327.07480 | 358.63655 | 14.12881  | 14.51111 | 0.1086362 | 2.4394170 | 49248 |
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| (67954) | 15.0 | 32.53502  | 180.53654 | 91.69204  | 5.81449  | 0.1174301 | 2.3298715 | 49231 | (68006) | 15.3 | 19.29598  | 321.33822 | 3.09839   | 10.02715 | 0.1132369 | 2.2331156 | 49249 |
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|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
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| (68345) | 14.6 | 59.13213  | 241.50976 | 99.00321  | 14.00994 | 0.0884161 | 2.7227987 | 49357 | (68397) | 13.9 | 91.05543  | 73.32633  | 329.49800 | 16.16779 | 0.1235104 | 3.1371994 | 49375 |
| (68346) | 17.0 | 300.21917 | 140.11282 | 219.51341 | 16.68003 | 0.4169238 | 1.5078357 | 49358 | (68398) | 16.3 | 127.29929 | 56.42421  | 7.24202   | 3.91839  | 0.1891591 | 2.3919916 | 49376 |
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| (68360) | 15.7 | 75.91515  | 217.76429 | 176.02487 | 4.80794  | 0.1269405 | 2.7547278 | 49362 | (68412) | 16.4 | 86.94835  | 262.26617 | 152.66099 | 5.09501  | 0.1788487 | 2.5716923 | 49380 |
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|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (68546) | 15.1 | 72.30535  | 249.59446 | 304.62431 | 23.54476 | 0.2090565 | 2.5603406 | 49425 | (68598) | 16.2 | 69.23739  | 79.86490  | 126.29994 | 2.93680  | 0.1532048 | 2.3820677 | 49443 |
| (68547) | 14.9 | 205.15781 | 184.92091 | 274.59411 | 19.06675 | 0.1029451 | 1.9328078 | 49426 | (68599) | 15.2 | 67.06619  | 47.05756  | 179.00384 | 2.29510  | 0.1577652 | 2.3681748 | 49444 |
| (68548) | 17.0 | 338.61116 | 24.52958  | 302.16324 | 22.74198 | 0.4368094 | 1.7067066 | 49426 | (68600) | 15.7 | 77.08947  | 59.30836  | 158.86911 | 6.30091  | 0.1716821 | 2.3202608 | 49444 |
| (68549) | 15.9 | 356.49337 | 146.93605 | 96.31890  | 3.54598  | 0.0899026 | 2.1866931 | 49426 | (68601) | 15.8 | 356.51710 | 85.38475  | 177.74595 | 4.39154  | 0.2185839 | 2.6979202 | 49445 |
| (68550) | 16.2 | 45.58923  | 21.63973  | 175.41641 | 2.15666  | 0.1507694 | 2.3362564 | 49427 | (68602) | 15.4 | 85.87730  | 26.18765  | 119.88304 | 14.48405 | 0.1403494 | 2.6250204 | 49445 |
| (68551) | 14.0 | 256.26501 | 209.55903 | 82.84675  | 14.60515 | 0.1815566 | 2.6940540 | 49427 | (68603) | 14.5 | 3.85025   | 350.81347 | 260.99403 | 8.10334  | 0.2076816 | 2.6298268 | 49445 |
| (68552) | 15.3 | 44.82948  | 305.72592 | 282.73046 | 11.20819 | 0.2263559 | 2.4152730 | 49427 | (68604) | 16.9 | 24.10024  | 160.65144 | 93.89476  | 6.28290  | 0.1312272 | 2.2882281 | 49446 |
| (68553) | 14.9 | 270.42772 | 71.43117  | 329.20849 | 18.21127 | 0.1089977 | 1.9309006 | 49428 | (68605) | 14.8 | 3.80366   | 120.53171 | 120.21575 | 16.12259 | 0.2132369 | 3.1196991 | 49446 |
| (68554) | 16.6 | 30.38048  | 352.70092 | 208.72298 | 4.11864  | 0.0714079 | 2.3356249 | 49429 | (68606) | 15.0 | 33.45679  | 120.43447 | 116.83721 | 12.93671 | 0.2286099 | 2.6522975 | 49446 |
| (68555) | 14.0 | 39.24139  | 283.86893 | 242.67057 | 15.63946 | 0.1247808 | 3.1816168 | 49429 | (68607) | 16.0 | 87.06622  | 241.54199 | 315.82802 | 2.04440  | 0.1514408 | 2.3433171 | 49447 |
| (68556) | 15.9 | 33.82542  | 251.94651 | 241.29110 | 3.65782  | 0.1173948 | 3.2137377 | 49429 | (68608) | 13.9 | 33.58416  | 311.01958 | 314.35118 | 23.04403 | 0.2422906 | 2.3468200 | 49447 |
| (68557) | 14.7 | 53.37827  | 172.12840 | 71.88172  | 6.97481  | 0.1800417 | 2.3409888 | 49429 | (68609) | 16.2 | 7.13889   | 164.93202 | 115.97556 | 8.18724  | 0.0745420 | 2.2749240 | 49447 |
| (68558) | 15.3 | 71.79431  | 82.39529  | 118.02413 | 14.14910 | 0.1642962 | 2.7190822 | 49430 | (68610) | 15.4 | 345.19885 | 160.63720 | 120.50568 | 14.70231 | 0.2404236 | 2.6633411 | 49448 |
| (68559) | 13.4 | 76.66009  | 108.26683 | 116.11324 | 13.39803 | 0.2268168 | 2.6874323 | 49430 | (68611) | 15.5 | 57.49313  | 104.49322 | 105.15533 | 5.59782  | 0.1282371 | 2.5789955 | 49448 |
| (68560) | 13.8 | 68.81877  | 46.49422  | 126.03462 | 17.11189 | 0.0539260 | 3.2081965 | 49431 | (68612) | 14.9 | 86.58362  | 143.24008 | 64.83655  | 3.17430  | 0.1555326 | 2.4434407 | 49448 |
| (68561) | 16.5 | 78.26983  | 291.14867 | 207.32931 | 1.65074  | 0.1491860 | 2.7625771 | 49431 | (68613) | 15.6 | 347.63969 | 178.93646 | 154.87903 | 24.19113 | 0.0551698 | 1.9317299 | 49449 |
| (68562) | 16.1 | 211.20631 | 213.59257 | 166.61036 | 2.33435  | 0.1839504 | 2.4250019 | 49431 | (68614) | 16.4 | 223.65999 | 147.28425 | 208.96280 | 2.89075  | 0.0715577 | 2.6382919 | 49449 |
| (68563) | 16.5 | 136.68287 | 288.73995 | 179.33975 | 3.14153  | 0.1024548 | 2.2297500 | 49432 | (68615) | 14.2 | 274.35510 | 311.05314 | 336.59474 | 14.07576 | 0.0856670 | 3.1108433 | 49449 |
| (68564) | 15.7 | 113.39811 | 354.09492 | 124.44015 | 14.73111 | 0.1430022 | 2.6090418 | 49432 | (68616) | 16.3 | 55.55026  | 102.82394 | 127.47556 | 3.11808  | 0.1419863 | 2.4155143 | 49450 |
| (68565) | 15.4 | 5.04619   | 128.72780 | 95.74966  | 13.78261 | 0.1480161 | 2.7818512 | 49432 | (68617) | 16.3 | 29.20733  | 29.17517  | 219.72223 | 0.61998  | 0.1463182 | 2.4305562 | 49450 |
| (68566) | 16.4 | 89.76065  | 289.67367 | 266.09467 | 5.68729  | 0.1305184 | 2.2682053 | 49433 | (68618) | 17.4 | 56.12910  | 16.61191  | 233.71826 | 1.89546  | 0.1529199 | 2.1955206 | 49450 |
| (68567) | 15.8 | 2.09983   | 338.39811 | 273.32904 | 4.03334  | 0.1955047 | 2.3852014 | 49433 | (68619) | 16.6 | 110.41180 | 277.07594 | 277.00123 | 3.37962  | 0.0762309 | 2.1524579 | 49451 |
| (68568) | 15.6 | 146.52743 | 270.84471 | 127.22823 | 5.51607  | 0.0400481 | 2.6069379 | 49433 | (68620) | 15.9 | 20.72283  | 148.01356 | 109.59107 | 5.44914  | 0.1921420 | 2.5815187 | 49451 |
| (68569) | 13.9 | 104.64437 | 252.09535 | 280.86635 | 22.07259 | 0.2924480 | 2.1621670 | 49434 | (68621) | 15.5 | 65.28905  | 345.08436 | 218.31189 | 11.03665 | 0.1832821 | 2.5673984 | 49451 |
| (68570) | 16.7 | 68.29219  | 84.67664  | 126.38037 | 23.29204 | 0.0636431 | 1.9299966 | 49434 | (68622) | 16.0 | 117.33533 | 19.21635  | 150.62972 | 5.90272  | 0.0694969 | 2.3482372 | 49451 |
| (68571) | 14.7 | 270.70227 | 253.28380 | 67.72839  | 10.61852 | 0.2434512 | 2.3420678 | 49434 | (68623) | 13.6 | 168.91532 | 327.07381 | 117.89161 | 14.48738 | 0.1149943 | 2.5933290 | 49452 |
| (68572) | 16.1 | 45.57625  | 311.46689 | 284.62133 | 5.72980  | 0.1726719 | 2.3165090 | 49435 | (68624) | 15.8 | 76.72414  | 230.35116 | 342.17083 | 4.70384  | 0.1446585 | 2.3378695 | 49452 |
| (68573) | 16.3 | 22.47978  | 150.07578 | 43.56234  | 1.31260  | 0.1191451 | 2.5419188 | 49435 | (68625) | 17.1 | 58.82145  | 93.67466  | 135.16454 | 1.20878  | 0.1750472 | 2.3569250 | 49453 |
| (68574) | 15.9 | 304.37003 | 347.82476 | 271.62441 | 3.77814  | 0.1035965 | 2.5662677 | 49435 | (68626) | 15.9 | 19.60132  | 98.32044  | 163.51039 | 7.77849  | 0.1737726 | 2.5956415 | 49453 |
| (68575) | 15.7 | 230.70466 | 62.73926  | 285.70194 | 5.32526  | 0.1449926 | 2.3624129 | 49436 | (68627) | 15.9 | 31.90965  | 308.67952 | 314.04654 | 7.05877  | 0.1155556 | 2.3502399 | 49453 |
| (68576) | 14.8 | 13.48427  | 163.48282 | 74.19074  | 7.42450  | 0.1406760 | 2.2864574 | 49436 | (68628) | 16.5 | 54.09748  | 293.21257 | 292.22484 | 1.54886  | 0.1532382 | 2.3570117 | 49454 |
| (68577) | 15.7 | 56.25963  | 113.20308 | 68.17200  | 5.91067  | 0.1496627 | 2.5307003 | 49436 | (68629) | 15.7 | 46.55156  | 101.47671 | 126.45105 | 6.58565  | 0.1970074 | 2.5327449 | 49454 |
| (68578) | 15.6 | 349.06886 | 161.10365 | 91.44085  | 13.31824 | 0.1558295 | 2.4516838 | 49437 | (68630) | 14.3 | 80.94190  | 252.95164 | 312.77232 | 13.17347 | 0.1583262 | 2.5568995 | 49454 |
| (68579) | 14.4 | 39.51793  | 88.20920  | 97.56689  | 19.29905 | 0.2191181 | 3.1736857 | 49437 | (68631) | 15.1 | 170.12895 | 315.76669 | 114.21982 | 17.34649 | 0.0825437 | 3.1722531 | 49455 |
| (68580) | 15.4 | 82.35004  | 60.25601  | 104.18446 | 11.46130 | 0.0485033 | 2.5246925 | 49437 | (68632) | 16.0 | 240.48402 | 97.60209  | 333.01155 | 22.64483 | 0.0915818 | 1.8872862 | 49455 |
| (68581) | 15.8 | 298.12765 | 215.59286 | 82.90847  | 2.62253  | 0.0343630 | 2.6664464 | 49438 | (68633) | 16.3 | 66.62591  | 229.16972 | 4.97411   | 2.65517  | 0.1225549 | 2.3651012 | 49456 |
| (68582) | 14.9 | 13.47209  | 118.26749 | 113.60930 | 9.93073  | 0.1074082 | 2.7505929 | 49438 | (68634) | 16.5 | 46.43831  | 261.64025 | 334.83854 | 1.52737  | 0.1667547 | 2.4438941 | 49456 |
| (68583) | 15.6 | 31.20431  | 341.73799 | 198.47715 | 11.46923 | 0.1275333 | 2.6414705 | 49438 | (68635) | 16.3 | 69.27697  | 114.46784 | 105.49389 | 5.51016  | 0.2030264 | 2.5806567 | 49456 |
| (68584) | 15.4 | 178.17448 | 291.91468 | 130.39078 | 15.51331 | 0.0691586 | 2.6175397 | 49439 | (68636) | 14.8 | 335.25906 | 293.55870 | 318.94932 | 8.85729  | 0.1302698 | 2.7746077 | 49457 |
| (68585) | 14.9 | 50.79611  | 325.63133 | 264.54286 | 13.49367 | 0.2189773 | 2.4358441 | 49439 | (68637) | 15.5 | 301.24434 | 208.63532 | 105.14316 | 12.41050 | 0.0650159 | 2.3858958 | 49457 |
| (68586) | 17.2 | 50.43489  | 43.44709  | 190.02893 | 4.88889  | 0.0739712 | 2.1430267 | 49439 | (68638) | 15.8 | 337.45491 | 161.69813 | 108.92233 | 11.58187 | 0.0467216 | 2.6970913 | 49457 |
| (68587) | 15.1 | 77.00774  | 83.29082  | 114.66945 | 5.08874  | 0.1243277 | 2.5964118 | 49440 | (68639) | 15.3 | 17.84258  | 199.48522 | 77.39545  | 6.39619  | 0.1769092 | 2.2416057 | 49457 |
| (68588) | 15.8 | 76.36274  | 154.81631 | 57.93574  | 3.70974  | 0.1426290 | 2.4103726 | 49440 | (68640) | 15.5 | 13.06305  | 114.29173 | 157.09368 | 28.09586 | 0.1754162 | 2.6328641 | 49458 |
| (68589) | 16.0 | 106.04751 | 148.95907 | 46.01335  | 3.39413  | 0.0992804 | 2.3649239 | 49440 | (68641) | 15.1 | 21.69306  | 287.66608 | 339.41069 | 9.62183  | 0.2093024 | 2.3284605 | 49458 |
| (68590) | 16.0 | 232.71789 | 280.91367 | 149.87429 | 23.95416 | 0.1165418 | 1.9156903 | 49441 | (68642) | 16.1 | 322.61204 | 171.58828 | 149.31481 | 7.28380  | 0.2397242 | 2.3262006 | 49458 |
| (68591) | 15.2 | 329.89977 | 8.35772   | 263.04899 | 12.34059 | 0.1324521 | 2.6168888 | 49441 | (68643) | 15.3 | 32.76045  | 25.97135  | 236.38890 | 5.64978  | 0.2239747 | 2.3703266 | 49459 |
| (68592) | 15.5 | 113.66679 | 34.91660  | 84.38097  | 14.88951 | 0.0430213 | 2.7151711 | 49442 | (68644) | 16.4 | 24.41948  | 107.43278 | 156.77563 | 0.48716  | 0.1699754 | 2.4368128 | 49459 |
| (68593) | 16.4 | 288.01840 | 256.65953 | 116.91771 | 24.04695 | 0.1171983 | 1.9529188 | 49442 | (68645) | 14.8 | 133.83268 | 12.42507  | 164.02223 | 27.05059 | 0.1643436 | 2.3776178 | 49459 |
| (68594) | 14.1 | 262.72085 | 190.83604 | 116.15203 | 14.69286 | 0.1731776 | 2.6759100 | 49442 | (68646) | 15.6 | 61.76585  | 50.39470  | 180.68004 | 2.67753  | 0.1351409 | 2.4030654 | 49460 |
| (68595) | 15.0 | 264.48494 | 42.30595  | 260.74785 | 6.05685  | 0.1392908 | 2.4593543 | 49443 | (68647) | 16.4 | 13.31684  | 316.84428 | 313.29265 | 1.48588  | 0.1066356 | 2.4610823 | 49460 |
| (68596) | 15.4 | 299.56909 | 122.86476 | 163.76466 | 4.74818  | 0.0808326 | 2.8114411 | 49443 | (68648) | 15.1 | 0.51612   | 30.09099  | 262.17293 | 2.37381  | 0.0703929 | 2.3970393 | 49461 |
| (68597) | 16.1 | 353.15445 | 112.23489 | 137.05962 | 5.86069  | 0.1373551 | 2.5693405 | 49443 | (68649) | 16.5 | 76.48384  | 274.17005 | 308.65639 | 2.36114  | 0.1471124 | 2.3958299 | 49461 |



|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (68650) | 16.1 | 36.92105  | 108.13569 | 159.42840 | 10.97941 | 0.2386132 | 2.5552761 | 49461 | (68702) | 16.8 | 347.97191 | 185.57572 | 124.02817 | 3.56826  | 0.1720717 | 2.3635690 | 49478 |
| (68651) | 16.1 | 342.53238 | 216.31171 | 46.23729  | 7.98742  | 0.0883268 | 2.7751739 | 49462 | (68703) | 16.2 | 61.36626  | 91.27831  | 146.40606 | 6.60030  | 0.0839885 | 2.4056645 | 49478 |
| (68652) | 16.4 | 10.52005  | 141.59186 | 137.49892 | 5.41702  | 0.2091786 | 2.3989252 | 49462 | (68704) | 15.5 | 356.45465 | 157.04590 | 150.39542 | 3.58045  | 0.1221614 | 2.4116974 | 49478 |
| (68653) | 16.5 | 19.17983  | 255.31418 | 20.24704  | 2.29901  | 0.1875683 | 2.3520234 | 49462 | (68705) | 15.3 | 358.74878 | 290.72797 | 19.71891  | 6.91742  | 0.1246113 | 2.3826355 | 49479 |
| (68654) | 16.7 | 27.25298  | 128.28774 | 133.17256 | 9.14828  | 0.1544627 | 2.4199861 | 49463 | (68706) | 15.0 | 15.29059  | 99.39491  | 199.03363 | 17.34549 | 0.2630587 | 3.3288893 | 49479 |
| (68655) | 16.8 | 351.54757 | 329.53354 | 331.62811 | 5.84272  | 0.2134318 | 2.3083591 | 49463 | (68707) | 14.2 | 35.45001  | 345.59953 | 277.75305 | 22.97165 | 0.1610718 | 2.3150319 | 49479 |
| (68656) | 16.1 | 23.43800  | 128.39289 | 133.13022 | 2.75442  | 0.1373046 | 2.4529949 | 49463 | (68708) | 16.2 | 338.71879 | 111.67131 | 211.24884 | 2.37451  | 0.1776542 | 2.3600783 | 49480 |
| (68657) | 16.3 | 348.80829 | 321.96558 | 337.49158 | 1.82803  | 0.2120196 | 2.3258567 | 49464 | (68709) | 15.5 | 101.52222 | 222.60196 | 335.60401 | 3.77357  | 0.1646819 | 2.4454808 | 49480 |
| (68658) | 16.9 | 33.40393  | 164.10744 | 97.63005  | 3.28000  | 0.1801577 | 2.4016967 | 49464 | (68710) | 16.7 | 160.13496 | 318.88540 | 174.79269 | 2.04470  | 0.1045410 | 2.3475988 | 49481 |
| (68659) | 17.3 | 4.97447   | 263.64074 | 26.10194  | 2.72833  | 0.1715312 | 2.3844043 | 49464 | (68711) | 15.5 | 73.91454  | 42.21755  | 175.39290 | 22.14032 | 0.0782477 | 2.6304446 | 49481 |
| (68660) | 16.5 | 11.97653  | 314.03711 | 336.04419 | 6.80809  | 0.1226442 | 2.2711317 | 49465 | (68712) | 16.8 | 22.53229  | 74.47591  | 209.29437 | 4.37403  | 0.1546072 | 2.3436725 | 49481 |
| (68661) | 16.8 | 46.39541  | 156.80902 | 89.00128  | 2.58195  | 0.0811095 | 2.3321359 | 49465 | (68713) | 15.3 | 312.46015 | 184.94380 | 123.54536 | 12.98852 | 0.1456489 | 2.6286959 | 49482 |
| (68662) | 15.3 | 303.53634 | 233.95276 | 86.50163  | 3.14585  | 0.0927777 | 2.7088417 | 49465 | (68714) | 15.4 | 342.38139 | 192.97512 | 112.42199 | 12.08894 | 0.1948049 | 2.3290461 | 49482 |
| (68663) | 15.7 | 74.60989  | 150.31551 | 73.77951  | 2.39432  | 0.1356640 | 2.3895931 | 49465 | (68715) | 15.9 | 6.38337   | 194.71534 | 94.71590  | 8.66547  | 0.0915121 | 2.3569035 | 49482 |
| (68664) | 16.5 | 349.57106 | 159.53240 | 136.24999 | 2.55225  | 0.1255404 | 2.5675346 | 49466 | (68716) | 16.8 | 18.17358  | 111.68483 | 156.76070 | 2.40998  | 0.1963711 | 2.3222004 | 49482 |
| (68665) | 15.7 | 359.30615 | 215.65273 | 80.97261  | 3.43424  | 0.1276601 | 2.4263791 | 49466 | (68717) | 16.6 | 8.98357   | 303.31269 | 343.54185 | 5.11349  | 0.1748959 | 2.4500945 | 49483 |
| (68666) | 14.6 | 86.73471  | 65.89985  | 149.73219 | 13.35192 | 0.0800074 | 2.3295628 | 49466 | (68718) | 16.0 | 35.15666  | 104.70386 | 151.15491 | 3.95182  | 0.1806108 | 2.5391128 | 49483 |
| (68667) | 16.3 | 35.71400  | 194.14433 | 83.75586  | 3.19355  | 0.1911885 | 2.4313227 | 49467 | (68719) | 16.2 | 359.08274 | 124.84728 | 171.90675 | 4.88335  | 0.1007655 | 2.4684328 | 49483 |
| (68668) | 16.6 | 131.14890 | 44.84908  | 132.12583 | 4.31329  | 0.1219844 | 2.3054381 | 49467 | (68720) | 15.2 | 167.25326 | 302.81328 | 133.31177 | 8.61578  | 0.2121584 | 2.7834900 | 49484 |
| (68669) | 16.1 | 41.30753  | 169.32140 | 84.74278  | 3.36067  | 0.0908014 | 2.3607002 | 49468 | (68721) | 14.6 | 32.21412  | 319.40921 | 293.68408 | 11.94671 | 0.1146461 | 2.6616872 | 49484 |
| (68670) | 15.7 | 17.68193  | 111.54241 | 152.50783 | 11.92259 | 0.1226266 | 2.7497189 | 49468 | (68722) | 15.6 | 81.78714  | 211.18630 | 4.55222   | 2.68481  | 0.0893816 | 2.9875800 | 49484 |
| (68671) | 14.4 | 218.62261 | 246.20306 | 162.72288 | 9.28238  | 0.1725420 | 2.7561525 | 49468 | (68723) | 15.6 | 325.42237 | 129.64213 | 168.74792 | 10.26924 | 0.0985735 | 2.7604324 | 49484 |
| (68672) | 14.9 | 39.21019  | 75.60810  | 138.47917 | 18.59633 | 0.0659564 | 3.2539635 | 49469 | (68724) | 16.1 | 44.89358  | 106.45457 | 171.32619 | 22.45891 | 0.0553640 | 1.9089743 | 49485 |
| (68673) | 16.8 | 1.53177   | 19.28812  | 268.03724 | 2.02634  | 0.1733419 | 2.3757007 | 49469 | (68725) | 12.3 | 45.49209  | 130.17457 | 25.82829  | 13.07839 | 0.1079735 | 5.1826324 | 49485 |
| (68674) | 16.5 | 11.52748  | 31.15286  | 266.92038 | 0.65217  | 0.1474822 | 2.2992992 | 49469 | (68726) | 14.0 | 51.60032  | 82.24191  | 141.38511 | 5.50512  | 0.1714910 | 3.0583784 | 49485 |
| (68675) | 17.0 | 26.76437  | 11.39702  | 256.43204 | 2.78279  | 0.1191773 | 2.2714490 | 49470 | (68727) | 16.6 | 31.18998  | 128.40129 | 149.28854 | 2.78953  | 0.1720788 | 2.4056823 | 49486 |
| (68676) | 16.2 | 50.03626  | 278.62059 | 318.43047 | 1.91667  | 0.1361124 | 2.4343074 | 49470 | (68728) | 16.8 | 117.41614 | 198.37405 | 348.40969 | 0.21905  | 0.1420608 | 2.3686416 | 49486 |
| (68677) | 15.6 | 359.32931 | 142.91239 | 167.44894 | 10.02823 | 0.2036269 | 2.4433875 | 49470 | (68729) | 16.0 | 354.47995 | 192.23355 | 132.47395 | 4.81178  | 0.2259508 | 2.2564392 | 49486 |
| (68678) | 16.4 | 9.97669   | 303.79857 | 338.47517 | 3.91680  | 0.0277829 | 2.4205464 | 49471 | (68730) | 16.6 | 98.70461  | 90.22870  | 92.95284  | 1.23947  | 0.1989499 | 2.7293143 | 49487 |
| (68679) | 14.5 | 352.37012 | 313.62668 | 355.16922 | 7.76016  | 0.3074477 | 2.7919176 | 49471 | (68731) | 14.5 | 108.63704 | 23.76448  | 111.15824 | 24.63952 | 0.1587946 | 2.3444540 | 49487 |
| (68680) | 14.5 | 39.97566  | 53.14925  | 187.29138 | 23.40268 | 0.1470604 | 3.1134801 | 49471 | (68732) | 15.9 | 63.99106  | 182.68723 | 53.70195  | 6.53762  | 0.0777263 | 2.3447423 | 49487 |
| (68681) | 17.0 | 22.78777  | 83.94435  | 174.49715 | 6.95529  | 0.0863786 | 2.3201624 | 49472 | (68733) | 14.7 | 39.73131  | 8.95746   | 192.18596 | 15.87610 | 0.1494753 | 3.1984381 | 49488 |
| (68682) | 15.7 | 16.18640  | 83.73548  | 147.35937 | 15.23118 | 0.0854820 | 2.6832817 | 49472 | (68734) | 16.4 | 348.81403 | 3.68029   | 310.54188 | 5.99420  | 0.1240020 | 2.3333568 | 49488 |
| (68683) | 15.7 | 47.04828  | 40.72695  | 203.60990 | 6.55086  | 0.2251800 | 2.5474543 | 49472 | (68735) | 14.1 | 55.71285  | 21.62890  | 208.61317 | 4.97068  | 0.2046730 | 2.8489778 | 49488 |
| (68684) | 16.0 | 339.41069 | 358.48068 | 315.99237 | 23.17046 | 0.1574630 | 2.3271639 | 49473 | (68736) | 15.7 | 1.18329   | 145.31281 | 144.74603 | 5.05993  | 0.1830787 | 2.6602024 | 49489 |
| (68685) | 15.8 | 131.18199 | 320.74008 | 211.98156 | 4.87584  | 0.1769257 | 2.3586971 | 49473 | (68737) | 16.5 | 328.68527 | 187.85834 | 148.20247 | 6.31802  | 0.1916870 | 2.2924649 | 49489 |
| (68686) | 16.2 | 43.10294  | 289.76922 | 320.81388 | 4.64112  | 0.1448182 | 2.5392169 | 49473 | (68738) | 15.9 | 17.62931  | 198.69540 | 70.05146  | 0.83620  | 0.3041671 | 3.2518996 | 49489 |
| (68687) | 16.9 | 25.75760  | 60.24419  | 195.10608 | 4.59437  | 0.1363479 | 2.6416394 | 49473 | (68739) | 16.2 | 313.69709 | 164.66111 | 146.52208 | 4.55856  | 0.2102265 | 2.7075955 | 49490 |
| (68688) | 16.8 | 34.22193  | 108.99146 | 157.69830 | 2.50379  | 0.1694119 | 2.4000484 | 49474 | (68740) | 17.1 | 344.40178 | 168.01876 | 140.25162 | 3.33609  | 0.1765556 | 2.3410917 | 49490 |
| (68689) | 16.4 | 36.51899  | 172.80824 | 80.63365  | 7.75065  | 0.0690967 | 2.2969332 | 49474 | (68741) | 14.2 | 35.48317  | 48.48763  | 195.14101 | 10.48370 | 0.1426443 | 3.2245129 | 49490 |
| (68690) | 15.5 | 2.86480   | 133.84557 | 102.19253 | 16.15814 | 0.1021799 | 2.8470655 | 49474 | (68742) | 15.4 | 21.71232  | 75.94935  | 179.69055 | 8.86695  | 0.1949418 | 2.7791352 | 49491 |
| (68691) | 15.9 | 331.46285 | 130.36788 | 81.81227  | 5.15646  | 0.1785869 | 2.6202157 | 49475 | (68743) | 16.3 | 50.65967  | 316.32715 | 287.70737 | 2.53724  | 0.1233252 | 2.5743455 | 49491 |
| (68692) | 14.8 | 32.48752  | 114.98591 | 127.14303 | 12.99947 | 0.1217968 | 2.6695174 | 49475 | (68744) | 15.9 | 349.42984 | 341.38712 | 351.00444 | 2.64612  | 0.2000817 | 2.2608065 | 49491 |
| (68693) | 15.3 | 69.28166  | 173.83033 | 45.21700  | 5.29086  | 0.1705131 | 2.5223778 | 49475 | (68745) | 15.9 | 212.02419 | 0.31397   | 86.74005  | 5.64284  | 0.0524677 | 2.1943189 | 49492 |
| (68694) | 15.1 | 13.38837  | 162.05498 | 106.40048 | 5.67944  | 0.1141631 | 2.5952400 | 49475 | (68746) | 16.6 | 2.18510   | 341.45084 | 314.50594 | 2.78077  | 0.1414283 | 2.5410553 | 49492 |
| (68695) | 15.4 | 35.97557  | 182.64162 | 76.52431  | 5.54408  | 0.1462666 | 2.5506625 | 49476 | (68747) | 16.5 | 358.09766 | 13.04213  | 287.54106 | 0.51707  | 0.1837716 | 2.4089051 | 49492 |
| (68696) | 13.6 | 350.52742 | 130.36788 | 146.95177 | 20.44118 | 0.1615501 | 3.2211831 | 49476 | (68748) | 15.6 | 16.04024  | 98.17673  | 171.64402 | 13.50311 | 0.1531114 | 2.5988408 | 49492 |
| (68697) | 16.5 | 5.42086   | 191.15241 | 80.99026  | 1.36622  | 0.1872393 | 2.3422380 | 49476 | (68749) | 16.1 | 354.42486 | 125.36703 | 191.97195 | 1.99246  | 0.2200599 | 2.3709788 | 49493 |
| (68698) | 15.5 | 275.60794 | 254.39878 | 57.67334  | 0.50218  | 0.1562428 | 3.0506067 | 49477 | (68750) | 16.4 | 327.04539 | 169.07071 | 176.13175 | 8.61886  | 0.1506672 | 2.2886737 | 49493 |
| (68699) | 16.0 | 305.31036 | 205.50255 | 117.65915 | 8.41948  | 0.1446017 | 2.4590634 | 49477 | (68751) | 14.5 | 331.23583 | 126.07039 | 189.50241 | 14.11870 | 0.2175173 | 3.0413523 | 49493 |
| (68700) | 16.5 | 319.46276 | 178.14714 | 124.67457 | 2.46958  | 0.1282385 | 2.6344147 | 49477 | (68752) | 16.1 | 26.29877  | 283.57607 | 356.41498 | 6.09018  | 0.0764782 | 2.4333702 | 49493 |
| (68701) | 17.1 | 5.90799   | 171.78435 | 112.59891 | 3.41674  | 0.1810035 | 2.3827223 | 49477 | (68753) | 15.8 | 124.88297 | 304.85444 | 231.74276 | 1.61208  | 0.0477863 | 2.5475406 | 49494 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (68754) | 15.4 | 35.75540  | 320.08570 | 294.15363 | 8.92287  | 0.2033869 | 2.5243886 | 49494 | (68806) | 17.1 | 7.12694   | 341.74807 | 336.78600 | 6.36423  | 0.1164491 | 2.2824215 | 49511 |
| (68755) | 15.7 | 46.75130  | 351.39054 | 276.91766 | 5.45883  | 0.0846077 | 2.4071191 | 49495 | (68807) | 16.9 | 345.74852 | 151.23343 | 198.95945 | 3.29137  | 0.2085776 | 2.2034781 | 49511 |
| (68756) | 15.9 | 346.90412 | 207.04960 | 117.32463 | 3.39628  | 0.1839359 | 2.3674256 | 49495 | (68808) | 15.7 | 64.01108  | 9.11679   | 223.29660 | 11.92855 | 0.1207254 | 2.6381538 | 49511 |
| (68757) | 15.2 | 15.40883  | 132.06770 | 154.63569 | 2.38098  | 0.1773976 | 2.8018957 | 49495 | (68809) | 14.6 | 5.38972   | 331.17519 | 316.50265 | 8.02828  | 0.1523204 | 3.0728771 | 49511 |
| (68758) | 16.3 | 130.79993 | 47.82729  | 132.00410 | 2.77830  | 0.1631564 | 2.3465271 | 49495 | (68810) | 15.6 | 51.63506  | 341.55411 | 273.35605 | 5.16769  | 0.0882560 | 2.4730218 | 49512 |
| (68759) | 15.5 | 324.91817 | 166.57790 | 170.25508 | 6.25261  | 0.1594751 | 2.4674762 | 49496 | (68811) | 15.4 | 4.23139   | 347.18547 | 326.19951 | 6.40037  | 0.1203106 | 2.3750641 | 49512 |
| (68760) | 15.5 | 331.13072 | 170.26368 | 164.05956 | 8.08054  | 0.1449454 | 2.4422163 | 49496 | (68812) | 14.8 | 359.22624 | 117.89326 | 196.56498 | 1.23107  | 0.2254285 | 3.1887243 | 49512 |
| (68761) | 16.0 | 35.16082  | 333.98821 | 301.90298 | 6.78132  | 0.0919674 | 2.2391339 | 49496 | (68813) | 15.2 | 324.36225 | 133.72252 | 200.70362 | 10.47094 | 0.0713104 | 2.9939146 | 49513 |
| (68762) | 14.7 | 299.66005 | 162.73717 | 157.26469 | 17.71213 | 0.1950352 | 3.1104579 | 49497 | (68814) | 16.3 | 338.79978 | 179.32826 | 174.33845 | 5.74792  | 0.2011032 | 2.3569428 | 49513 |
| (68763) | 16.4 | 32.67058  | 61.79275  | 201.56384 | 9.06684  | 0.1515783 | 2.7609487 | 49497 | (68815) | 16.9 | 31.12095  | 255.70087 | 23.22170  | 3.13365  | 0.0720032 | 2.5735562 | 49513 |
| (68764) | 15.2 | 28.43401  | 298.69517 | 334.38707 | 6.11698  | 0.0669927 | 2.4705778 | 49497 | (68816) | 16.1 | 326.83339 | 177.09619 | 167.41266 | 0.74278  | 0.0407507 | 2.4719519 | 49513 |
| (68765) | 15.7 | 13.53435  | 110.76399 | 211.64164 | 3.73413  | 0.1641638 | 2.2963479 | 49498 | (68817) | 15.6 | 286.57243 | 197.29580 | 189.80834 | 12.91382 | 0.1720192 | 2.5646590 | 49514 |
| (68766) | 13.0 | 303.53229 | 60.71455  | 201.95696 | 11.32598 | 0.0344653 | 5.1922160 | 49498 | (68818) | 14.4 | 297.82627 | 189.69743 | 177.71755 | 17.22001 | 0.2100741 | 2.5352513 | 49514 |
| (68767) | 16.0 | 324.81002 | 159.52580 | 165.32939 | 14.46934 | 0.2597997 | 2.4139107 | 49498 | (68819) | 16.7 | 62.06160  | 120.63983 | 122.95356 | 4.42759  | 0.0392831 | 2.4758843 | 49514 |
| (68768) | 15.2 | 20.78823  | 181.76483 | 86.55562  | 9.37432  | 0.0994965 | 2.7236493 | 49499 | (68820) | 16.1 | 13.86804  | 112.03791 | 181.16375 | 12.11328 | 0.1769338 | 2.7300716 | 49514 |
| (68769) | 15.3 | 37.02978  | 102.54074 | 148.18030 | 11.90604 | 0.0837467 | 2.7349067 | 49499 | (68821) | 14.9 | 19.99882  | 88.38410  | 180.52616 | 17.85022 | 0.1346697 | 3.1832038 | 49515 |
| (68770) | 16.8 | 353.59469 | 145.08068 | 170.16989 | 1.39536  | 0.1925767 | 2.4321252 | 49499 | (68822) | 15.1 | 262.11730 | 187.00182 | 202.13683 | 12.26288 | 0.2398638 | 2.5500554 | 49515 |
| (68771) | 17.3 | 336.66873 | 175.34504 | 163.18699 | 5.15354  | 0.1842565 | 2.2547833 | 49499 | (68823) | 15.9 | 1.66636   | 206.48773 | 101.51459 | 3.88145  | 0.0793810 | 2.5918073 | 49515 |
| (68772) | 16.4 | 23.83033  | 34.83708  | 257.45340 | 4.72946  | 0.1937017 | 2.3651919 | 49500 | (68824) | 15.7 | 307.49535 | 215.69397 | 158.79825 | 6.66338  | 0.1458049 | 2.3167016 | 49515 |
| (68773) | 14.8 | 44.07056  | 61.80048  | 188.97754 | 25.69969 | 0.2760780 | 2.7335228 | 49500 | (68825) | 15.7 | 343.00134 | 214.45467 | 137.00262 | 5.22039  | 0.1849240 | 2.2923567 | 49516 |
| (68774) | 15.8 | 353.65639 | 350.28213 | 313.13595 | 12.53841 | 0.1621365 | 2.5666952 | 49500 | (68826) | 15.2 | 18.14340  | 138.22686 | 145.93524 | 7.25123  | 0.1593561 | 2.9856130 | 49516 |
| (68775) | 15.1 | 296.48006 | 157.05898 | 174.36317 | 9.90879  | 0.1770538 | 2.6399175 | 49501 | (68827) | 15.4 | 167.47520 | 321.73336 | 172.70422 | 12.94368 | 0.1035409 | 2.5633723 | 49516 |
| (68776) | 16.3 | 0.32797   | 213.97070 | 81.14948  | 5.84740  | 0.1723750 | 2.5339646 | 49501 | (68828) | 15.5 | 11.43133  | 128.02870 | 154.28895 | 6.45479  | 0.0266119 | 2.8624805 | 49517 |
| (68777) | 16.0 | 13.64064  | 309.02217 | 9.01405   | 8.39061  | 0.2288839 | 2.3786872 | 49501 | (68829) | 15.6 | 59.78203  | 90.48490  | 159.92045 | 8.91116  | 0.0235170 | 2.6514870 | 49517 |
| (68778) | 14.9 | 335.09307 | 157.90810 | 185.32199 | 7.98274  | 0.2519521 | 2.4397822 | 49501 | (68830) | 15.7 | 325.01390 | 209.69285 | 132.96145 | 7.52535  | 0.0457805 | 2.7516079 | 49517 |
| (68779) | 16.0 | 76.51733  | 45.30906  | 170.68109 | 5.02294  | 0.1465320 | 2.6483382 | 49502 | (68831) | 14.6 | 100.26063 | 71.41804  | 124.06981 | 15.25775 | 0.1466118 | 2.7691568 | 49517 |
| (68780) | 15.9 | 290.42790 | 184.93210 | 187.39672 | 3.45150  | 0.0615434 | 2.4626368 | 49502 | (68832) | 14.4 | 285.34762 | 145.37854 | 223.92658 | 15.21830 | 0.2327717 | 2.5525322 | 49518 |
| (68781) | 15.0 | 99.14560  | 356.94872 | 207.42260 | 17.56172 | 0.1317110 | 2.6617787 | 49502 | (68833) | 15.5 | 334.43544 | 99.13684  | 231.10705 | 4.05811  | 0.1862601 | 2.3949065 | 49518 |
| (68782) | 15.0 | 8.85861   | 358.24394 | 306.02954 | 6.59962  | 0.1145157 | 2.3522788 | 49503 | (68834) | 13.9 | 305.94681 | 255.13402 | 102.52319 | 12.43402 | 0.0931266 | 3.1717156 | 49518 |
| (68783) | 15.2 | 70.33858  | 4.04444   | 240.69607 | 3.76412  | 0.0327938 | 2.3635359 | 49503 | (68835) | 15.2 | 344.38293 | 156.69352 | 167.23064 | 18.59923 | 0.2484213 | 2.6058457 | 49518 |
| (68784) | 16.2 | 76.08968  | 294.36528 | 295.89599 | 5.71453  | 0.0935044 | 2.3953203 | 49504 | (68836) | 16.5 | 293.12741 | 226.71765 | 146.42860 | 13.08275 | 0.2167315 | 2.4473508 | 49519 |
| (68785) | 15.0 | 57.69542  | 35.64026  | 193.51159 | 10.56395 | 0.1034799 | 3.0725370 | 49504 | (68837) | 15.5 | 257.31110 | 247.23366 | 160.62541 | 15.43985 | 0.0906803 | 2.5920719 | 49519 |
| (68786) | 16.4 | 23.30542  | 111.74294 | 173.20765 | 8.22927  | 0.1873197 | 2.7455349 | 49504 | (68838) | 16.3 | 316.26852 | 219.96350 | 144.79649 | 7.73850  | 0.1157862 | 2.3124278 | 49519 |
| (68787) | 14.9 | 3.19336   | 155.21059 | 168.08755 | 7.48936  | 0.1383411 | 2.3464136 | 49505 | (68839) | 15.8 | 325.59194 | 243.32654 | 112.48979 | 7.59604  | 0.2023276 | 2.4747610 | 49520 |
| (68788) | 13.0 | 57.16437  | 76.30569  | 82.64184  | 6.46699  | 0.0419955 | 5.2349122 | 49505 | (68840) | 16.5 | 196.78360 | 323.46019 | 148.21814 | 6.16416  | 0.0890327 | 2.4271089 | 49520 |
| (68789) | 15.7 | 177.47247 | 339.55821 | 150.92608 | 7.63144  | 0.1007567 | 2.7317298 | 49505 | (68841) | 14.8 | 331.05620 | 178.70712 | 148.24370 | 15.48625 | 0.0926632 | 2.6328973 | 49520 |
| (68790) | 14.3 | 301.08168 | 190.22354 | 115.39091 | 16.65924 | 0.1486993 | 3.2106744 | 49505 | (68842) | 15.6 | 327.70639 | 181.04252 | 168.83934 | 6.60260  | 0.1521363 | 2.4172112 | 49520 |
| (68791) | 15.5 | 333.85240 | 213.32562 | 59.41439  | 11.83280 | 0.0356007 | 3.2431542 | 49506 | (68843) | 15.9 | 318.89782 | 144.64448 | 213.64177 | 4.30405  | 0.2169948 | 2.3147466 | 49521 |
| (68792) | 15.0 | 112.61842 | 53.59198  | 147.74593 | 9.86314  | 0.0621765 | 2.7723939 | 49506 | (68844) | 16.5 | 311.64576 | 349.38453 | 13.95817  | 2.68054  | 0.1842259 | 2.5340278 | 49521 |
| (68793) | 15.3 | 320.88467 | 184.31141 | 189.07777 | 23.96101 | 0.1943599 | 2.1738452 | 49506 | (68845) | 16.1 | 33.87002  | 317.79687 | 306.24183 | 3.33383  | 0.1297129 | 2.9723157 | 49521 |
| (68794) | 15.3 | 163.65088 | 359.25331 | 139.02080 | 19.54980 | 0.0847018 | 2.5466343 | 49507 | (68846) | 16.8 | 0.44505   | 199.44243 | 123.04005 | 3.29749  | 0.1759179 | 2.3410536 | 49521 |
| (68795) | 16.1 | 348.84639 | 184.61910 | 168.92396 | 5.98260  | 0.1987338 | 2.2829650 | 49507 | (68847) | 15.6 | 325.89615 | 204.07053 | 140.53258 | 7.09961  | 0.1600962 | 2.4289972 | 49522 |
| (68796) | 15.0 | 4.49913   | 114.94701 | 190.22022 | 14.05889 | 0.2213787 | 3.1004845 | 49507 | (68848) | 15.1 | 287.78328 | 205.35098 | 189.86210 | 13.10296 | 0.1245735 | 2.4472037 | 49522 |
| (68797) | 15.7 | 97.81769  | 49.49254  | 169.11907 | 8.59672  | 0.0706482 | 2.7397946 | 49508 | (68849) | 14.5 | 336.72776 | 225.40513 | 99.85795  | 10.89429 | 0.0842959 | 2.9644098 | 49522 |
| (68798) | 16.0 | 27.55168  | 115.49452 | 165.44779 | 3.63275  | 0.1379910 | 2.5650045 | 49508 | (68850) | 16.1 | 209.26991 | 289.61620 | 171.73257 | 3.12982  | 0.0773024 | 2.5486972 | 49522 |
| (68799) | 15.4 | 32.54222  | 78.64063  | 181.54682 | 4.95261  | 0.1373495 | 3.1496026 | 49508 | (68851) | 14.7 | 113.73496 | 354.41332 | 182.04879 | 12.17509 | 0.2364276 | 3.0385490 | 49523 |
| (68800) | 15.4 | 30.26373  | 282.63211 | 28.58513  | 5.15197  | 0.1610999 | 2.3059938 | 49509 | (68852) | 15.2 | 27.42925  | 176.60323 | 108.88591 | 10.37184 | 0.1353542 | 2.7773256 | 49523 |
| (68801) | 15.2 | 1.12981   | 325.66544 | 13.68666  | 7.53305  | 0.1305635 | 2.3844609 | 49509 | (68853) | 15.0 | 95.06215  | 243.65987 | 324.77753 | 12.19543 | 0.2401107 | 2.6800995 | 49523 |
| (68802) | 14.9 | 9.44272   | 261.44607 | 37.68802  | 1.09505  | 0.1751207 | 3.1950414 | 49509 | (68854) | 15.1 | 36.35012  | 75.24507  | 197.20982 | 7.59774  | 0.1677856 | 2.8063927 | 49524 |
| (68803) | 15.1 | 41.30757  | 301.12596 | 311.09318 | 6.64420  | 0.2520119 | 3.0734959 | 49510 | (68855) | 15.8 | 20.14204  | 139.49264 | 156.88175 | 7.97849  | 0.2149735 | 2.5975545 | 49524 |
| (68804) | 15.9 | 210.11715 | 185.90169 | 284.00633 | 5.84118  | 0.1120177 | 2.3061215 | 49510 | (68856) | 14.6 | 337.27053 | 196.43902 | 126.05618 | 11.43535 | 0.1440784 | 2.9732841 | 49524 |
| (68805) | 15.2 | 9.09488   | 110.50040 | 186.25193 | 8.08863  | 0.1610533 | 2.8828729 | 49510 | (68857) | 16.0 | 166.29908 | 316.73037 | 190.90686 | 6.87049  | 0.1004539 | 2.3258507 | 49524 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (68858) | 14.6 | 354.80911 | 240.38305 | 83.88390  | 11.52287 | 0.1182394 | 3.0061449 | 49525 | (68910) | 15.2 | 327.22620 | 214.38892 | 128.31809 | 15.31313 | 0.1172059 | 2.7689006 | 49540 |
| (68859) | 15.3 | 27.59756  | 144.36566 | 139.11743 | 11.43690 | 0.0665559 | 3.1384022 | 49525 | (68911) | 15.7 | 32.41852  | 140.73900 | 126.42252 | 13.14811 | 0.1133015 | 3.1159684 | 49540 |
| (68860) | 15.3 | 123.46544 | 35.98940  | 145.70037 | 14.32282 | 0.0960438 | 2.5973099 | 49525 | (68912) | 14.4 | 96.64224  | 299.38273 | 259.24565 | 13.69859 | 0.0902473 | 2.8505624 | 49541 |
| (68861) | 15.3 | 23.31548  | 51.80895  | 219.28043 | 16.92159 | 0.1095059 | 3.1702990 | 49526 | (68913) | 16.3 | 354.10329 | 202.08826 | 131.97866 | 2.29032  | 0.0834282 | 2.6344406 | 49541 |
| (68862) | 15.9 | 287.86256 | 230.33472 | 153.15990 | 12.75021 | 0.0564118 | 2.5850841 | 49526 | (68914) | 16.5 | 145.16797 | 303.19713 | 215.33903 | 1.29960  | 0.0334673 | 2.6770309 | 49541 |
| (68863) | 14.6 | 319.70707 | 235.30326 | 120.43111 | 9.94062  | 0.0472170 | 3.1504876 | 49526 | (68915) | 14.6 | 337.92026 | 199.71729 | 147.79100 | 12.12388 | 0.1476888 | 3.0605468 | 49541 |
| (68864) | 15.0 | 307.81835 | 224.26539 | 138.12353 | 23.15324 | 0.0982224 | 3.1147144 | 49527 | (68916) | 15.5 | 32.87277  | 129.62722 | 141.20435 | 4.32426  | 0.0643936 | 3.1060576 | 49542 |
| (68865) | 15.5 | 26.74094  | 178.10664 | 99.96118  | 5.46138  | 0.0620770 | 2.6723121 | 49527 | (68917) | 16.3 | 66.24763  | 186.39447 | 51.65780  | 6.24688  | 0.0656021 | 2.7623987 | 49542 |
| (68866) | 14.8 | 349.26279 | 123.66898 | 200.83928 | 9.77982  | 0.0956828 | 3.1031386 | 49527 | (68918) | 15.9 | 324.22282 | 164.74649 | 212.43805 | 6.46705  | 0.1352182 | 2.3026072 | 49542 |
| (68867) | 14.5 | 186.90356 | 246.38398 | 232.58429 | 21.24696 | 0.0502817 | 2.6820565 | 49527 | (68919) | 13.7 | 321.44522 | 201.87820 | 167.00177 | 22.24340 | 0.0646851 | 3.1231949 | 49543 |
| (68868) | 15.2 | 74.76137  | 66.03809  | 151.23196 | 1.48308  | 0.1929748 | 3.0777007 | 49528 | (68920) | 15.5 | 338.13221 | 184.16153 | 171.47712 | 14.58442 | 0.0894825 | 2.6726984 | 49543 |
| (68869) | 16.2 | 354.33942 | 264.41074 | 88.81744  | 7.55216  | 0.1539979 | 2.3822095 | 49528 | (68921) | 14.7 | 351.90500 | 191.42934 | 151.87400 | 9.42083  | 0.1939972 | 3.1938022 | 49543 |
| (68870) | 15.2 | 11.88773  | 129.37420 | 196.47749 | 13.47288 | 0.2100685 | 2.7007540 | 49528 | (68922) | 13.0 | 5.67369   | 76.16671  | 247.87271 | 17.40334 | 0.0448540 | 3.3905883 | 49543 |
| (68871) | 15.1 | 165.77833 | 38.31699  | 107.37504 | 4.38751  | 0.1659676 | 2.5798039 | 49529 | (68923) | 13.4 | 4.75117   | 126.55096 | 223.70229 | 16.02576 | 0.2400760 | 3.0898603 | 49544 |
| (68872) | 15.1 | 110.04574 | 31.61652  | 168.45602 | 9.14194  | 0.1594283 | 2.7089708 | 49529 | (68924) | 14.1 | 18.02651  | 162.68411 | 161.12564 | 14.99244 | 0.1261765 | 3.2157883 | 49544 |
| (68873) | 14.6 | 84.05535  | 86.49006  | 146.38137 | 16.32870 | 0.0691074 | 2.6055110 | 49529 | (68925) | 15.1 | 41.17610  | 41.25594  | 234.33154 | 14.08443 | 0.1223185 | 2.6287054 | 49544 |
| (68874) | 15.4 | 77.09892  | 336.69714 | 246.52654 | 8.19091  | 0.1027485 | 3.0309336 | 49530 | (68926) | 14.5 | 328.05337 | 162.18123 | 206.43275 | 19.27417 | 0.1877268 | 3.1666773 | 49544 |
| (68875) | 15.0 | 293.27621 | 166.33943 | 220.08734 | 10.34016 | 0.1975491 | 2.3389630 | 49530 | (68927) | 13.3 | 76.63615  | 19.29231  | 313.39605 | 9.03732  | 0.0824996 | 3.0466386 | 49545 |
| (68876) | 15.5 | 50.54525  | 42.24067  | 202.27923 | 2.43412  | 0.0896834 | 2.8673075 | 49530 | (68928) | 13.9 | 42.46245  | 101.85402 | 283.51523 | 8.28841  | 0.0887025 | 2.9901954 | 49545 |
| (68877) | 14.1 | 324.76211 | 168.77008 | 196.68329 | 14.45035 | 0.2409745 | 2.8559732 | 49531 | (68929) | 14.5 | 40.95294  | 116.10691 | 298.74011 | 11.39100 | 0.1526681 | 2.5744424 | 49545 |
| (68878) | 14.6 | 4.91972   | 100.16359 | 234.37856 | 13.65245 | 0.2960203 | 2.7508262 | 49531 | (68930) | 14.4 | 60.87494  | 163.95861 | 224.27517 | 13.73176 | 0.2106423 | 2.6472759 | 49546 |
| (68879) | 15.2 | 351.22086 | 347.94132 | 7.24493   | 7.19750  | 0.1340937 | 2.3456404 | 49531 | (68931) | 15.0 | 339.53299 | 127.87667 | 285.78252 | 1.95818  | 0.0585471 | 2.5655367 | 49546 |
| (68880) | 14.5 | 11.07940  | 33.75225  | 259.68882 | 8.00357  | 0.0415664 | 3.1496513 | 49532 | (68932) | 13.8 | 353.94896 | 165.81905 | 228.47098 | 8.91078  | 0.2387717 | 3.0663585 | 49546 |
| (68881) | 15.3 | 34.90207  | 348.60624 | 277.95479 | 0.84650  | 0.1059042 | 3.1694007 | 49532 | (68933) | 12.7 | 347.29401 | 220.45551 | 157.61379 | 7.93869  | 0.2468968 | 3.9212661 | 49547 |
| (68882) | 15.3 | 58.28867  | 78.71350  | 156.90712 | 5.33185  | 0.1149747 | 3.1841971 | 49532 | (68934) | 14.8 | 278.08947 | 284.78099 | 160.75740 | 6.66095  | 0.0881905 | 3.2491877 | 49547 |
| (68883) | 14.5 | 41.53676  | 29.74694  | 264.88036 | 8.82433  | 0.1804762 | 2.5751739 | 49532 | (68935) | 16.2 | 329.22960 | 154.53530 | 272.53376 | 3.09158  | 0.0674352 | 2.7588671 | 49547 |
| (68884) | 14.4 | 45.71855  | 85.01940  | 192.25737 | 8.80435  | 0.0743641 | 2.9414879 | 49533 | (68936) | 15.3 | 82.06949  | 147.54883 | 175.35683 | 11.92326 | 0.1990980 | 2.6870307 | 49547 |
| (68885) | 15.9 | 319.41663 | 180.95485 | 190.10482 | 6.17932  | 0.1421746 | 2.3221268 | 49533 | (68937) | 14.5 | 30.62352  | 114.88757 | 315.50634 | 10.81612 | 0.2103318 | 2.8096763 | 49548 |
| (68886) | 15.1 | 1.00900   | 227.92558 | 111.86025 | 9.37057  | 0.2305782 | 2.7360889 | 49533 | (68938) | 16.2 | 88.29562  | 320.29207 | 20.88640  | 2.67040  | 0.2045832 | 2.4258564 | 49548 |
| (68887) | 15.1 | 8.64912   | 142.09545 | 160.66255 | 9.02741  | 0.0427181 | 3.1384878 | 49534 | (68939) | 15.0 | 309.63485 | 202.98755 | 229.95751 | 11.35246 | 0.0453802 | 2.9267218 | 49549 |
| (68888) | 14.1 | 330.29357 | 159.00836 | 188.27168 | 14.85285 | 0.1237362 | 3.1787721 | 49534 | (68940) | 13.9 | 82.74837  | 80.00437  | 236.57474 | 11.88917 | 0.0567184 | 3.1943972 | 49549 |
| (68889) | 13.8 | 5.78326   | 109.09984 | 206.57844 | 19.45951 | 0.1112494 | 3.1974877 | 49534 | (68941) | 15.9 | 32.32017  | 217.51464 | 162.64119 | 9.51713  | 0.2241819 | 2.7181130 | 49549 |
| (68890) | 16.2 | 45.55400  | 47.66141  | 212.59014 | 14.30652 | 0.0710102 | 2.6012231 | 49534 | (68942) | 15.8 | 13.79033  | 295.13075 | 79.30938  | 3.09432  | 0.0672552 | 2.9188550 | 49549 |
| (68891) | 15.8 | 28.73595  | 245.16646 | 23.99992  | 0.83535  | 0.1251834 | 3.0417518 | 49535 | (68943) | 15.5 | 26.46619  | 38.64685  | 1.71894   | 12.35559 | 0.0543010 | 2.3206745 | 49550 |
| (68892) | 16.1 | 295.91986 | 345.12354 | 36.97828  | 3.19183  | 0.1608018 | 2.3724726 | 49535 | (68944) | 14.1 | 347.49404 | 252.89393 | 209.61327 | 23.07978 | 0.3228039 | 2.4504511 | 49550 |
| (68893) | 15.8 | 1.17485   | 118.86262 | 186.98001 | 1.61069  | 0.0662607 | 2.9136018 | 49535 | (68945) | 13.8 | 336.99884 | 92.53049  | 308.05224 | 3.93537  | 0.1488024 | 3.1296398 | 49550 |
| (68894) | 17.5 | 166.42333 | 301.91489 | 211.33370 | 1.51039  | 0.0916583 | 2.3824506 | 49536 | (68946) | 15.5 | 81.44419  | 242.35256 | 89.72334  | 9.45888  | 0.2946019 | 2.4282650 | 49551 |
| (68895) | 15.3 | 291.13299 | 160.48078 | 237.80785 | 5.76624  | 0.1349090 | 2.4137076 | 49536 | (68947) | 16.6 | 81.56431  | 335.28790 | 322.15049 | 2.91812  | 0.0774682 | 2.7676320 | 49551 |
| (68896) | 14.5 | 294.00109 | 142.30509 | 225.41826 | 10.32304 | 0.1067323 | 3.1820037 | 49536 | (68948) | 15.6 | 99.88130  | 239.51279 | 40.69956  | 1.21551  | 0.0374914 | 2.7929218 | 49551 |
| (68897) | 15.2 | 16.18530  | 317.44529 | 353.78612 | 7.59032  | 0.2127521 | 2.7737213 | 49536 | (68949) | 16.1 | 186.26012 | 273.98919 | 302.45222 | 11.32481 | 0.1571737 | 2.5209568 | 49551 |
| (68898) | 16.3 | 170.83432 | 160.89352 | 342.39001 | 2.54548  | 0.1121037 | 2.3786115 | 49537 | (68950) | 16.4 | 178.53132 | 255.49137 | 236.31311 | 25.15186 | 0.3442713 | 1.0570425 | 49551 |
| (68899) | 15.3 | 12.61923  | 299.97656 | 14.56775  | 1.07040  | 0.1679529 | 3.0867909 | 49537 | (68951) | 16.4 | 145.73337 | 190.43910 | 58.78145  | 2.30999  | 0.1203104 | 2.3916976 | 49552 |
| (68900) | 14.1 | 27.62124  | 135.12577 | 141.03034 | 13.02403 | 0.0706343 | 3.5109418 | 49537 | (68952) | 15.7 | 246.83067 | 148.67183 | 352.67325 | 8.52112  | 0.0748889 | 2.6369419 | 49552 |
| (68901) | 15.2 | 102.85287 | 49.36555  | 151.04979 | 13.57492 | 0.1174691 | 2.6520996 | 49538 | (68953) | 14.8 | 0.44356   | 277.89800 | 151.00864 | 0.36707  | 0.1533190 | 3.2050992 | 49552 |
| (68902) | 15.0 | 234.32311 | 289.26844 | 159.08599 | 22.09594 | 0.0527057 | 2.6311546 | 49538 | (68954) | 16.1 | 55.33538  | 351.01253 | 22.03814  | 3.87478  | 0.1819854 | 2.4414251 | 49553 |
| (68903) | 14.8 | 31.88839  | 136.45793 | 143.48198 | 22.82804 | 0.0664787 | 3.2337161 | 49538 | (68955) | 14.7 | 357.17350 | 339.34228 | 79.95978  | 0.21867  | 0.1186897 | 3.2394769 | 49553 |
| (68904) | 15.3 | 353.34504 | 239.16367 | 102.77400 | 2.96246  | 0.2289141 | 3.0576698 | 49539 | (68956) | 14.9 | 36.58290  | 221.37569 | 149.18261 | 4.88662  | 0.0914232 | 3.0401333 | 49554 |
| (68905) | 16.4 | 5.17895   | 169.00565 | 157.93623 | 4.34300  | 0.1721881 | 2.3105461 | 49539 | (68957) | 15.9 | 74.53877  | 179.96237 | 207.00650 | 4.62123  | 0.2344845 | 2.3519052 | 49554 |
| (68906) | 15.4 | 23.97642  | 315.20298 | 309.18296 | 11.21787 | 0.1530108 | 2.7381008 | 49539 | (68958) | 16.4 | 290.99297 | 240.71463 | 262.10622 | 2.73351  | 0.0505896 | 2.2841137 | 49554 |
| (68907) | 15.0 | 343.22160 | 72.16327  | 266.61039 | 9.62465  | 0.1207107 | 3.0817221 | 49539 | (68959) | 15.7 | 86.86088  | 241.73500 | 85.49155  | 2.32490  | 0.2005843 | 2.3865984 | 49555 |
| (68908) | 14.9 | 307.93016 | 240.41879 | 130.32696 | 11.32357 | 0.1366058 | 3.0207237 | 49540 | (68960) | 16.4 | 13.29689  | 44.66392  | 18.79190  | 6.32291  | 0.0961707 | 2.3947711 | 49555 |
| (68909) | 15.5 | 14.91629  | 189.24713 | 112.28599 | 15.18634 | 0.1859314 | 2.7141303 | 49540 | (68961) | 15.6 | 113.35756 | 164.38940 | 129.54590 | 2.25790  | 0.1403854 | 2.6224365 | 49555 |

|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (68962) | 15.7 | 62.66672  | 308.47380 | 51.75086  | 5.01599  | 0.1074115 | 2.6680028 | 49555 | (69014) | 13.3 | 296.56083 | 288.40666 | 199.82387 | 16.54307 | 0.1197253 | 3.2028246 | 49573 |
| (68963) | 16.0 | 91.63329  | 308.47561 | 53.82642  | 7.52106  | 0.1622420 | 2.3119370 | 49556 | (69015) | 16.3 | 359.99079 | 283.83739 | 181.90591 | 10.26462 | 0.1554876 | 2.5680141 | 49573 |
| (68964) | 15.5 | 30.73907  | 185.74217 | 197.30585 | 2.05979  | 0.0521259 | 2.6300534 | 49556 | (69016) | 15.2 | 113.42360 | 0.79588   | 327.77725 | 4.17674  | 0.2033525 | 2.2345156 | 49573 |
| (68965) | 15.1 | 59.57554  | 26.96570  | 332.18756 | 1.17398  | 0.1010854 | 2.9373910 | 49557 | (69017) | 14.2 | 154.23546 | 202.04570 | 87.86163  | 16.54407 | 0.1718405 | 2.5775660 | 49574 |
| (68966) | 16.7 | 138.99049 | 138.10545 | 157.18906 | 2.89829  | 0.1450413 | 2.1555390 | 49557 | (69018) | 13.4 | 93.81382  | 36.12857  | 306.20526 | 7.57252  | 0.2273813 | 2.7045335 | 49574 |
| (68967) | 15.5 | 66.12248  | 165.17264 | 195.47354 | 5.00547  | 0.0726742 | 2.6976363 | 49557 | (69019) | 14.0 | 100.02554 | 136.05731 | 244.60791 | 5.49964  | 0.1641652 | 2.4700985 | 49574 |
| (68968) | 16.5 | 52.97956  | 0.76363   | 36.63436  | 4.59916  | 0.2722467 | 2.5882149 | 49558 | (69020) | 14.3 | 104.68961 | 175.20159 | 133.61786 | 6.24482  | 0.2554214 | 3.0908060 | 49575 |
| (68969) | 15.9 | 30.96252  | 233.37191 | 203.95938 | 3.78055  | 0.2448246 | 2.5642660 | 49558 | (69021) | 14.6 | 175.75052 | 77.70401  | 188.90943 | 16.53308 | 0.0532749 | 3.1166183 | 49575 |
| (68970) | 15.9 | 61.49323  | 8.34312   | 17.56144  | 5.18198  | 0.1759904 | 2.6863412 | 49558 | (69022) | 15.8 | 198.23053 | 255.57853 | 6.41850   | 2.29992  | 0.1783799 | 2.3850563 | 49575 |
| (68971) | 16.4 | 74.10481  | 180.78573 | 197.90630 | 3.58925  | 0.1551753 | 2.3279557 | 49559 | (69023) | 17.2 | 44.89520  | 58.12086  | 16.43434  | 5.49960  | 0.1280906 | 2.2353613 | 49576 |
| (68972) | 15.2 | 89.90501  | 162.47928 | 190.07096 | 6.35467  | 0.2445850 | 2.5247337 | 49559 | (69024) | 15.6 | 17.82732  | 338.11680 | 95.94971  | 4.82287  | 0.0666981 | 2.6648935 | 49576 |
| (68973) | 14.2 | 57.39001  | 346.07888 | 54.34158  | 10.34752 | 0.1575698 | 2.7856286 | 49560 | (69025) | 15.6 | 98.44445  | 203.80365 | 179.05685 | 5.04037  | 0.3013716 | 2.6011593 | 49576 |
| (68974) | 16.1 | 86.67436  | 186.45336 | 167.53587 | 2.23697  | 0.2610052 | 2.5263944 | 49560 | (69026) | 14.3 | 354.03843 | 227.81007 | 266.20706 | 6.72641  | 0.1407225 | 2.5757880 | 49577 |
| (68975) | 15.2 | 52.79551  | 346.53648 | 44.71840  | 2.65707  | 0.1871637 | 3.2257647 | 49561 | (69027) | 16.6 | 21.53890  | 101.27103 | 1.42878   | 6.88647  | 0.1233324 | 2.2259600 | 49577 |
| (68976) | 17.3 | 89.59400  | 228.98527 | 102.19595 | 1.92377  | 0.2710791 | 2.4167399 | 49561 | (69028) | 14.9 | 105.94608 | 52.52438  | 304.97430 | 3.15605  | 0.1730696 | 2.6209952 | 49577 |
| (68977) | 15.4 | 316.16740 | 217.19297 | 236.01242 | 13.17957 | 0.0792165 | 2.6133591 | 49561 | (69029) | 15.0 | 36.79602  | 37.04495  | 53.38838  | 13.57183 | 0.1407424 | 2.6461507 | 49578 |
| (68978) | 15.6 | 118.78792 | 223.68795 | 82.23968  | 6.68516  | 0.1097256 | 2.2462938 | 49561 | (69030) | 15.2 | 66.71574  | 271.52013 | 86.09372  | 15.77831 | 0.1469378 | 2.5631507 | 49578 |
| (68979) | 15.7 | 49.54603  | 238.64598 | 139.73275 | 13.80905 | 0.1868097 | 2.6581570 | 49562 | (69031) | 15.9 | 57.04647  | 265.79354 | 153.86047 | 7.99681  | 0.2266298 | 2.4511300 | 49578 |
| (68980) | 14.3 | 355.86592 | 342.12425 | 99.91018  | 2.72193  | 0.0695424 | 3.1563814 | 49562 | (69032) | 13.7 | 85.99464  | 262.31371 | 95.75037  | 29.90542 | 0.2099683 | 3.2311752 | 49578 |
| (68981) | 15.7 | 50.88163  | 260.99126 | 128.30276 | 5.38092  | 0.1588410 | 2.5928742 | 49562 | (69033) | 17.0 | 15.11690  | 328.00631 | 147.25119 | 2.55815  | 0.1388644 | 2.3304940 | 49579 |
| (68982) | 15.0 | 10.39404  | 30.01105  | 34.19945  | 6.59757  | 0.1126080 | 2.4579264 | 49563 | (69034) | 15.4 | 134.58700 | 354.26743 | 304.73645 | 10.93622 | 0.1968736 | 2.3336308 | 49579 |
| (68983) | 15.8 | 63.87290  | 339.35805 | 27.91224  | 11.84731 | 0.1488434 | 2.4425307 | 49563 | (69035) | 14.2 | 86.66064  | 17.97751  | 5.18080   | 12.31078 | 0.0414172 | 2.7580294 | 49579 |
| (68984) | 14.6 | 14.42591  | 359.80644 | 61.13369  | 11.39515 | 0.1270175 | 3.1435414 | 49563 | (69036) | 13.0 | 39.72815  | 16.73250  | 48.84915  | 11.94458 | 0.1218349 | 3.0533612 | 49579 |
| (68985) | 14.6 | 18.63610  | 28.66822  | 40.33987  | 0.45843  | 0.1372062 | 3.1307602 | 49563 | (69037) | 15.9 | 29.03570  | 6.26522   | 86.85918  | 6.25920  | 0.0372241 | 2.7549437 | 49580 |
| (68986) | 15.5 | 11.99678  | 13.66356  | 54.36442  | 2.83787  | 0.1009294 | 2.9229807 | 49564 | (69038) | 14.6 | 83.77824  | 258.10934 | 103.01712 | 15.34873 | 0.1531753 | 2.6158827 | 49580 |
| (68987) | 15.1 | 34.20364  | 245.69253 | 158.83866 | 2.82239  | 0.0696033 | 2.9547707 | 49564 | (69039) | 16.5 | 120.37895 | 232.88095 | 149.02311 | 7.02693  | 0.1055906 | 2.2960813 | 49580 |
| (68988) | 14.9 | 289.75144 | 335.60731 | 169.91886 | 1.44411  | 0.1260039 | 3.0972676 | 49565 | (69040) | 14.9 | 31.93648  | 359.43652 | 136.70956 | 14.94770 | 0.1918736 | 2.6552931 | 49581 |
| (68989) | 16.0 | 51.06424  | 210.57035 | 205.50212 | 1.67344  | 0.1976038 | 2.6506445 | 49565 | (69041) | 16.7 | 230.07499 | 150.25347 | 107.93498 | 0.95827  | 0.0922254 | 2.2086123 | 49581 |
| (68990) | 14.6 | 351.19961 | 331.29171 | 130.98655 | 1.99129  | 0.1410262 | 3.0125102 | 49565 | (69042) | 15.9 | 320.14717 | 282.74719 | 253.18884 | 6.02718  | 0.0563889 | 2.3866628 | 49581 |
| (68991) | 14.6 | 37.45072  | 182.11475 | 219.93059 | 8.73764  | 0.0713712 | 3.0666733 | 49565 | (69043) | 16.8 | 85.50222  | 223.18932 | 174.14350 | 3.54680  | 0.1182777 | 2.2238013 | 49581 |
| (68992) | 14.0 | 0.77161   | 51.18333  | 66.92073  | 15.95114 | 0.1019561 | 2.8352908 | 49566 | (69044) | 16.0 | 96.28057  | 269.64112 | 120.02944 | 3.31081  | 0.2319470 | 2.6205313 | 49582 |
| (68993) | 14.9 | 331.05209 | 158.67109 | 326.01493 | 8.28284  | 0.1615220 | 2.6866786 | 49566 | (69045) | 14.1 | 136.89282 | 71.88978  | 294.66083 | 21.03782 | 0.3350852 | 2.2937802 | 49582 |
| (68994) | 15.1 | 63.43835  | 155.17537 | 231.40490 | 7.44412  | 0.2231757 | 2.3881501 | 49566 | (69046) | 14.7 | 119.28113 | 123.56737 | 254.14550 | 4.76311  | 0.2031167 | 2.3755790 | 49582 |
| (68995) | 14.0 | 313.43717 | 81.80244  | 21.11321  | 12.07095 | 0.1390105 | 3.1258275 | 49567 | (69047) | 15.1 | 33.00836  | 314.81447 | 115.79945 | 14.34714 | 0.1398478 | 2.5920773 | 49583 |
| (68996) | 15.7 | 137.41628 | 192.12548 | 111.58677 | 8.30628  | 0.1281704 | 2.2988106 | 49567 | (69048) | 15.9 | 187.43620 | 239.25072 | 56.57222  | 3.11408  | 0.1256353 | 2.3602149 | 49583 |
| (68997) | 13.6 | 69.08739  | 27.55141  | 338.08907 | 11.48190 | 0.0694507 | 2.9338168 | 49568 | (69049) | 15.0 | 344.18671 | 73.31147  | 80.92278  | 15.86544 | 0.0324623 | 2.5532083 | 49583 |
| (68998) | 13.8 | 315.32306 | 332.51478 | 146.59172 | 17.76263 | 0.0805833 | 3.1929057 | 49568 | (69050) | 15.0 | 168.39808 | 5.42701   | 285.58537 | 10.95997 | 0.1474303 | 2.5429155 | 49584 |
| (68999) | 14.7 | 82.03196  | 232.97184 | 109.26980 | 10.32462 | 0.2332764 | 2.5692984 | 49568 | (69051) | 14.1 | 148.92125 | 248.77632 | 87.17152  | 19.33474 | 0.0819054 | 3.1044019 | 49584 |
| (69000) | 15.0 | 76.31652  | 300.85605 | 47.19250  | 9.70034  | 0.0593516 | 2.6394689 | 49569 | (69052) | 13.7 | 276.11303 | 99.88839  | 115.13927 | 15.10567 | 0.1548890 | 2.6682040 | 49584 |
| (69001) | 13.8 | 85.96528  | 268.09974 | 48.87628  | 12.48778 | 0.1405364 | 3.0526040 | 49569 | (69053) | 16.0 | 16.96881  | 134.88508 | 3.71750   | 4.33670  | 0.1930281 | 2.6700402 | 49584 |
| (69002) | 15.5 | 69.40825  | 176.59713 | 196.90796 | 1.45444  | 0.0996350 | 2.9291920 | 49569 | (69054) | 14.5 | 89.31202  | 300.69780 | 101.78025 | 12.12318 | 0.0943336 | 3.1055716 | 49585 |
| (69003) | 14.5 | 42.09273  | 196.02265 | 259.74231 | 31.87592 | 0.1615220 | 2.6519481 | 49569 | (69055) | 15.3 | 355.90418 | 62.62415  | 102.31380 | 6.16457  | 0.1405693 | 3.0466068 | 49585 |
| (69004) | 14.0 | 222.15533 | 178.49155 | 23.09708  | 15.26355 | 0.2260400 | 3.1576288 | 49570 | (69056) | 15.6 | 41.99550  | 5.59980   | 124.10571 | 12.17651 | 0.1712151 | 2.4249226 | 49585 |
| (69005) | 15.3 | 348.45727 | 114.55831 | 7.94616   | 6.15122  | 0.2314767 | 2.8773657 | 49570 | (69057) | 15.1 | 11.11247  | 10.75572  | 115.83733 | 7.57342  | 0.1529047 | 2.5281790 | 49586 |
| (69006) | 15.8 | 59.89615  | 222.02252 | 140.20108 | 14.98992 | 0.1093897 | 2.6846741 | 49570 | (69058) | 16.5 | 96.71287  | 297.54826 | 108.78793 | 8.00861  | 0.1052905 | 2.3583505 | 49586 |
| (69007) | 14.9 | 327.23163 | 56.19770  | 58.02499  | 1.27014  | 0.1138081 | 3.1579606 | 49571 | (69059) | 15.4 | 116.03969 | 88.99823  | 280.11097 | 3.16738  | 0.0626045 | 2.3544166 | 49586 |
| (69008) | 15.2 | 78.56313  | 263.17135 | 99.64491  | 10.93981 | 0.1371042 | 2.6374808 | 49571 | (69060) | 16.3 | 17.11963  | 286.47940 | 183.25527 | 0.49866  | 0.1339402 | 3.0868731 | 49586 |
| (69009) | 15.8 | 6.73751   | 308.15575 | 141.10391 | 2.75699  | 0.0321427 | 2.8646742 | 49571 | (69061) | 15.6 | 0.13199   | 51.89958  | 96.92934  | 7.92185  | 0.1794191 | 3.1243883 | 49587 |
| (69010) | 16.0 | 238.69937 | 357.63764 | 214.74977 | 7.39839  | 0.0657269 | 2.3510054 | 49572 | (69062) | 15.1 | 249.34777 | 337.96752 | 296.31251 | 11.71910 | 0.1894579 | 2.3516569 | 49587 |
| (69011) | 14.6 | 34.49355  | 221.19161 | 197.67844 | 6.94485  | 0.1206363 | 3.0447965 | 49572 | (69063) | 15.3 | 100.38186 | 193.46151 | 137.34177 | 13.44716 | 0.2906203 | 2.4288167 | 49587 |
| (69012) | 15.6 | 4.41391   | 111.81914 | 355.18118 | 7.20310  | 0.0671638 | 2.2965138 | 49572 | (69064) | 15.0 | 296.03195 | 306.86016 | 335.92208 | 24.13674 | 0.1960878 | 2.2960581 | 49587 |
| (69013) | 14.0 | 27.94344  | 155.61833 | 260.81975 | 9.26573  | 0.0998341 | 2.9930749 | 49572 | (69065) | 15.0 | 336.90799 | 25.51110  | 153.59165 | 13.55845 | 0.0943422 | 3.0838137 | 49588 |

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|         |      |           |           |           |          |           |           |       |         |      |           |           |           |          |           |           |       |
|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|---------|------|-----------|-----------|-----------|----------|-----------|-----------|-------|
| (69066) | 16.8 | 87.07648  | 106.54615 | 306.54725 | 0.97354  | 0.2001528 | 2.3003020 | 49588 | (69118) | 15.8 | 352.01219 | 263.25431 | 322.37020 | 5.28828  | 0.1613321 | 2.3670993 | 49603 |
| (69067) | 16.5 | 32.97719  | 308.57008 | 181.60090 | 0.97904  | 0.1353661 | 2.3773992 | 49588 | (69119) | 14.2 | 351.42313 | 36.32784  | 173.39003 | 28.07565 | 0.1572450 | 3.2014658 | 49604 |
| (69068) | 15.3 | 115.15778 | 59.17185  | 319.28704 | 7.05348  | 0.1264554 | 2.3599229 | 49588 | (69120) | 15.4 | 289.69936 | 200.51797 | 77.65488  | 3.35371  | 0.2308014 | 3.0787392 | 49604 |
| (69069) | 15.1 | 87.39975  | 261.84835 | 133.85696 | 14.25160 | 0.2287328 | 2.5327030 | 49589 | (69121) | 16.3 | 283.79572 | 218.00917 | 73.10709  | 3.22301  | 0.2024904 | 2.3655444 | 49604 |
| (69070) | 15.2 | 123.19203 | 130.47995 | 251.01088 | 5.64479  | 0.1212890 | 2.3883321 | 49589 | (69122) | 14.8 | 82.04017  | 299.55857 | 160.11797 | 8.69851  | 0.0276637 | 3.1054786 | 49604 |
| (69071) | 15.2 | 24.66794  | 254.91931 | 227.25732 | 5.66417  | 0.1187217 | 3.2009716 | 49589 | (69123) | 14.8 | 294.70109 | 203.72332 | 65.63621  | 14.21689 | 0.1233098 | 2.6566675 | 49605 |
| (69072) | 15.3 | 102.92061 | 273.09096 | 141.14457 | 22.20687 | 0.0623320 | 2.5527239 | 49590 | (69124) | 13.6 | 119.70464 | 32.99236  | 24.57796  | 24.53347 | 0.0680005 | 3.0662115 | 49605 |
| (69073) | 16.1 | 39.91031  | 152.60983 | 301.50550 | 10.78415 | 0.2221521 | 2.5675557 | 49590 | (69125) | 16.3 | 282.97038 | 237.69369 | 75.12742  | 6.39304  | 0.2406201 | 2.3715700 | 49605 |
| (69074) | 15.0 | 136.89286 | 304.84038 | 41.88038  | 6.65206  | 0.1328123 | 2.4314739 | 49590 | (69126) | 14.5 | 49.05638  | 334.21953 | 167.37392 | 18.90052 | 0.1175217 | 3.0333540 | 49605 |
| (69075) | 13.7 | 292.62661 | 296.62605 | 317.53679 | 10.90638 | 0.2165082 | 2.3170269 | 49591 | (69127) | 14.7 | 283.00366 | 77.81241  | 211.75219 | 9.89982  | 0.0169205 | 3.2178259 | 49606 |
| (69076) | 15.9 | 163.41873 | 245.77108 | 96.66738  | 8.03103  | 0.1388866 | 2.3331854 | 49591 | (69128) | 14.8 | 20.79594  | 31.45362  | 142.54373 | 16.54717 | 0.1326593 | 3.0387409 | 49606 |
| (69077) | 17.2 | 17.99228  | 121.60788 | 24.34468  | 3.71981  | 0.0991628 | 2.2888335 | 49591 | (69129) | 15.1 | 307.04529 | 222.73196 | 62.15409  | 8.24764  | 0.1017042 | 2.8004087 | 49606 |
| (69078) | 15.8 | 96.02547  | 320.22060 | 89.84361  | 5.92960  | 0.1522712 | 2.2987179 | 49591 | (69130) | 15.3 | 296.21557 | 244.46710 | 48.41402  | 9.55734  | 0.2249181 | 2.3747389 | 49606 |
| (69079) | 16.7 | 332.90581 | 188.70736 | 7.27361   | 2.27861  | 0.1469582 | 2.3873976 | 49591 | (69131) | 16.2 | 307.26586 | 62.83835  | 215.59299 | 2.76530  | 0.1190877 | 2.3859529 | 49607 |
| (69080) | 14.2 | 164.82635 | 204.71255 | 131.75265 | 34.12189 | 0.1963433 | 2.6472324 | 49592 | (69132) | 16.0 | 337.08503 | 127.79976 | 141.44952 | 4.80602  | 0.2629669 | 2.6752761 | 49607 |
| (69081) | 14.7 | 166.63604 | 253.45170 | 67.27658  | 14.68145 | 0.2919216 | 2.4097504 | 49592 | (69133) | 14.3 | 314.20928 | 111.06182 | 148.74022 | 18.91147 | 0.0960617 | 3.2357123 | 49607 |
| (69082) | 15.7 | 142.23970 | 349.90205 | 354.08908 | 8.48002  | 0.1733164 | 2.2272390 | 49592 | (69134) | 15.1 | 312.77388 | 213.74892 | 44.28203  | 8.12084  | 0.0920974 | 3.0902051 | 49608 |
| (69083) | 14.2 | 19.50917  | 148.31868 | 346.08074 | 18.64115 | 0.1116932 | 3.2049469 | 49593 | (69135) | 16.0 | 325.79952 | 156.36401 | 105.67249 | 7.33572  | 0.1307135 | 2.4606122 | 49608 |
| (69084) | 16.2 | 66.26016  | 247.36756 | 207.56987 | 1.73448  | 0.1676389 | 2.4027999 | 49593 | (69136) | 14.4 | 70.50788  | 146.71457 | 321.53193 | 11.07638 | 0.1723831 | 3.0282270 | 49608 |
| (69085) | 16.6 | 87.09676  | 290.84613 | 134.69196 | 4.51698  | 0.1097540 | 2.3038802 | 49593 | (69137) | 16.1 | 332.74275 | 318.33864 | 291.41044 | 6.29681  | 0.0855363 | 2.3059916 | 49609 |
| (69086) | 14.3 | 310.17833 | 60.84073  | 102.72115 | 11.55371 | 0.0628195 | 3.0696325 | 49594 | (69138) | 13.8 | 10.79213  | 222.38037 | 334.12941 | 14.33665 | 0.1371999 | 3.1858734 | 49609 |
| (69087) | 15.8 | 324.08429 | 81.96399  | 117.33271 | 8.87897  | 0.0198875 | 3.0626823 | 49594 | (69139) | 15.5 | 161.48225 | 198.55723 | 209.50348 | 21.29718 | 0.0288123 | 2.6373805 | 49609 |
| (69088) | 14.9 | 271.66289 | 314.53591 | 309.12224 | 13.94884 | 0.1070042 | 2.6035169 | 49594 | (69140) | 15.0 | 60.33111  | 93.87003  | 36.82135  | 10.68293 | 0.0645064 | 2.9883548 | 49609 |
| (69089) | 16.9 | 305.47444 | 267.16932 | 334.70168 | 0.66765  | 0.1471875 | 2.3829446 | 49595 | (69141) | 15.1 | 35.86443  | 40.06507  | 159.46527 | 9.66211  | 0.1247731 | 2.7589808 | 49610 |
| (69090) | 15.6 | 103.27880 | 333.58808 | 87.67861  | 8.09705  | 0.0648062 | 2.4158368 | 49595 | (69142) | 15.8 | 358.06980 | 15.25339  | 171.15446 | 22.79926 | 0.0515624 | 1.9640210 | 49610 |
| (69091) | 15.2 | 49.99425  | 298.06137 | 166.37259 | 16.51408 | 0.1972796 | 3.1457862 | 49595 | (69143) | 14.0 | 224.04271 | 134.37481 | 203.38813 | 12.80076 | 0.1870328 | 2.5543075 | 49610 |
| (69092) | 14.6 | 57.20379  | 265.75408 | 152.55485 | 13.72662 | 0.1484632 | 2.5770879 | 49596 | (69144) | 16.1 | 2.21445   | 257.92459 | 325.88383 | 21.87708 | 0.1245621 | 2.4439064 | 49611 |
| (69093) | 15.0 | 351.62802 | 66.20887  | 121.05095 | 2.42962  | 0.1220590 | 3.2178650 | 49596 | (69145) | 15.2 | 329.67893 | 215.12361 | 29.05810  | 11.61732 | 0.0385785 | 2.9936720 | 49611 |
| (69094) | 15.5 | 358.51162 | 15.61907  | 156.67726 | 5.77086  | 0.0596193 | 2.9694145 | 49596 | (69146) | 15.8 | 30.47121  | 151.06203 | 42.28618  | 7.01669  | 0.0735230 | 2.4341176 | 49611 |
| (69095) | 16.4 | 82.88181  | 283.51020 | 148.39604 | 2.91377  | 0.1420390 | 2.3613091 | 49596 | (69147) | 14.8 | 209.12579 | 224.84825 | 153.64116 | 9.30074  | 0.0650064 | 2.3357473 | 49611 |
| (69096) | 14.7 | 296.85899 | 295.68155 | 295.00339 | 11.87785 | 0.0603384 | 2.7384794 | 49597 | (69148) | 15.3 | 117.32221 | 57.98114  | 18.60180  | 9.21777  | 0.1125975 | 3.0199558 | 49612 |
| (69097) | 15.5 | 239.80310 | 133.55682 | 150.70313 | 7.39536  | 0.0569362 | 2.7522996 | 49597 | (69149) | 15.0 | 147.60087 | 210.91862 | 179.71481 | 9.25540  | 0.2843556 | 2.7457197 | 49612 |
| (69098) | 16.4 | 113.43269 | 8.19303   | 54.00173  | 5.20119  | 0.0902583 | 2.2461829 | 49597 | (69150) | 15.6 | 98.15754  | 80.35864  | 27.61384  | 8.08693  | 0.0351387 | 2.9825306 | 49612 |
| (69099) | 15.4 | 354.64399 | 91.69114  | 130.34433 | 13.69026 | 0.2529030 | 2.5618503 | 49598 | (69151) | 14.8 | 299.93031 | 193.10502 | 80.45307  | 13.24086 | 0.2146420 | 2.6172640 | 49613 |
| (69100) | 15.3 | 48.30736  | 327.54847 | 167.85871 | 17.81057 | 0.0395501 | 2.6729280 | 49598 | (69152) | 14.7 | 305.90401 | 162.74967 | 105.30539 | 14.07919 | 0.1183915 | 2.7585262 | 49613 |
| (69101) | 15.6 | 31.86768  | 139.48996 | 342.03056 | 11.01946 | 0.1614725 | 3.0953186 | 49598 | (69153) | 15.9 | 352.20002 | 91.26404  | 151.66291 | 6.61701  | 0.1009719 | 2.4563077 | 49613 |
| (69102) | 15.4 | 345.35632 | 58.54154  | 138.27636 | 10.52460 | 0.0770805 | 3.1054936 | 49599 | (69154) | 14.8 | 335.59311 | 94.23367  | 190.19074 | 8.19200  | 0.1781313 | 3.0673510 | 49613 |
| (69103) | 14.2 | 317.62766 | 240.85360 | 358.26238 | 17.68151 | 0.1284899 | 3.1185307 | 49599 | (69155) | 15.2 | 0.56898   | 29.58587  | 206.80788 | 18.64603 | 0.0658194 | 3.2503855 | 49614 |
| (69104) | 16.1 | 67.77396  | 31.97396  | 87.41623  | 5.81356  | 0.1220860 | 2.2358094 | 49599 | (69156) | 15.3 | 183.62346 | 214.22544 | 171.11488 | 9.13118  | 0.2270727 | 2.4746156 | 49614 |
| (69105) | 14.4 | 285.50903 | 193.40716 | 68.83277  | 11.17391 | 0.0562626 | 3.0468834 | 49600 | (69157) | 14.5 | 341.16462 | 256.17092 | 355.32267 | 14.48551 | 0.1126799 | 2.8477786 | 49614 |
| (69106) | 16.6 | 307.62782 | 84.47885  | 150.05499 | 6.63940  | 0.0678611 | 2.3054772 | 49600 | (69158) | 15.4 | 1.38536   | 47.90326  | 188.11732 | 12.86665 | 0.1315179 | 3.1504871 | 49614 |
| (69107) | 15.1 | 221.79461 | 216.85983 | 119.52709 | 8.91048  | 0.2086968 | 2.5544765 | 49600 | (69159) | 15.7 | 350.39731 | 155.04351 | 103.29595 | 14.57234 | 0.2295921 | 2.6437383 | 49615 |
| (69108) | 14.1 | 173.27572 | 218.22752 | 159.42274 | 22.52183 | 0.0925584 | 3.1510953 | 49601 | (69160) | 16.2 | 324.07074 | 94.16517  | 292.33680 | 1.20028  | 0.2159955 | 2.3398463 | 49615 |
| (69109) | 17.2 | 41.20200  | 346.90335 | 155.63671 | 2.68481  | 0.1200666 | 2.3805735 | 49601 | (69161) | 16.0 | 257.99683 | 310.09730 | 209.76220 | 6.13356  | 0.0436893 | 2.3137145 | 49615 |
| (69110) | 15.9 | 13.29945  | 189.32196 | 351.89749 | 24.47500 | 0.1611216 | 2.3766939 | 49601 | (69162) | 15.8 | 88.53436  | 147.44958 | 177.26718 | 4.34125  | 0.0664569 | 2.7947680 | 49616 |
| (69111) | 16.6 | 78.27278  | 14.44508  | 88.75569  | 6.22227  | 0.0738968 | 2.3805168 | 49601 | (69163) | 15.8 | 102.10055 | 121.62016 | 180.98864 | 20.17000 | 0.0784906 | 3.0211686 | 49616 |
| (69112) | 15.2 | 258.57473 | 130.25082 | 141.10933 | 14.81636 | 0.0972596 | 2.5408545 | 49602 | (69164) | 14.4 | 282.31324 | 98.71285  | 306.38894 | 11.33640 | 0.1556014 | 3.0949216 | 49616 |
| (69113) | 15.6 | 296.41983 | 146.38134 | 129.57957 | 6.09916  | 0.1673454 | 2.3505444 | 49602 | (69165) | 16.8 | 291.45407 | 78.57412  | 296.70962 | 7.80753  | 0.1153691 | 2.2296621 | 49616 |
| (69114) | 14.1 | 92.64895  | 314.23513 | 133.61513 | 22.68511 | 0.0713970 | 3.1892819 | 49602 | (69166) | 15.2 | 318.05667 | 57.74584  | 311.13319 | 7.75003  | 0.2568682 | 3.0808647 | 49617 |
| (69115) | 16.5 | 23.19763  | 15.91538  | 139.26824 | 1.38053  | 0.1677378 | 3.1233364 | 49602 | (69167) | 14.6 | 319.66448 | 71.27709  | 310.06542 | 8.60084  | 0.0554376 | 2.6469539 | 49617 |
| (69116) | 16.6 | 299.91867 | 292.97082 | 324.21247 | 5.31031  | 0.1379132 | 2.2236150 | 49603 | (69168) | 14.4 | 277.28434 | 141.60481 | 279.92348 | 10.11232 | 0.1960265 | 3.0977977 | 49617 |
| (69117) | 15.7 | 121.71364 | 281.47004 | 93.63251  | 5.01383  | 0.3345221 | 2.3470057 | 49603 | (69169) | 16.8 | 267.13843 | 46.68679  | 359.31717 | 4.33584  | 0.1760124 | 2.2302953 | 49617 |

(69170) 16.6 116.12274 83.20513 350.85399 6.38364 0.1034702 2.3998323 49618  
 (69171) 16.1 4.67206 96.48475 199.45402 12.27124 0.2618571 2.6496862 49618  
 (69172) 15.7 234.22062 184.17545 198.03645 15.89169 0.1556315 3.1315376 49618  
 (69173) 17.2 84.71311 75.96264 248.39586 2.58011 0.1951622 2.4460725 49619  
 (69174) 15.8 244.33993 276.31359 144.00114 2.67970 0.0507918 2.8629767 49619  
 (69175) 17.6 263.42637 53.07144 12.48072 4.13498 0.1529557 2.2262518 49619  
 (69176) 14.2 307.57375 249.84774 149.99846 0.92610 0.1811509 3.0793538 49619  
 (69177) 16.2 276.27215 244.08948 171.05497 2.04456 0.2041379 2.3488040 49620  
 (69178) 17.2 358.99446 131.65881 157.48268 2.95577 0.1665018 2.3518814 49620  
 (69179) 16.1 13.08974 63.65517 176.15962 5.81127 0.2078280 2.3644270 49620  
 (69180) 14.7 33.99030 254.70401 17.92088 9.30291 0.1001471 3.0838650 49621  
 (69181) 15.9 292.57819 246.35485 139.78590 3.29533 0.1140729 2.6571959 49621  
 (69182) 15.8 36.96506 232.39184 185.91257 13.35091 0.1568880 2.5964677 49621  
 (69183) 16.3 306.93001 266.30528 40.36032 3.77337 0.2117473 2.6734013 49622  
 (69184) 15.6 229.05125 76.27299 22.85865 7.20721 0.1658672 2.3492124 49622  
 (69185) 17.2 132.94992 157.66922 171.90058 6.43495 0.1280777 2.2928635 49622  
 (69186) 15.4 104.45098 357.43581 24.28253 5.44814 0.1648349 2.7592444 49622  
 (69187) 15.2 282.38022 71.66907 346.43145 5.41630 0.1904885 2.6454947 49623  
 (69188) 16.4 52.94879 34.95050 193.14613 6.19415 0.2319011 2.3026079 49623  
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 (69190) 13.6 108.27600 315.09205 359.33119 15.24001 0.1848138 3.2074498 49624  
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 (69193) 16.2 358.42419 290.62229 186.55486 5.01693 0.0816612 2.2073506 49624  
 (69194) 15.5 315.95787 127.73033 248.34450 1.21551 0.1175434 2.6446504 49625  
 (69195) 16.6 329.30395 348.83232 6.63287 2.04104 0.2045070 2.6454749 49625  
 (69196) 17.0 317.00602 123.03439 180.18334 7.70035 0.12461081 2.2580883 49625  
 (69197) 15.0 336.87177 193.23223 274.76634 0.23990 0.1610430 3.1955506 49626  
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 (69201) 16.4 348.20722 144.93584 174.53858 7.13162 0.1246800 2.4238076 49627  
 (69202) 16.1 153.96295 243.60242 202.44932 6.04586 0.1120239 2.2817259 49627  
 (69203) 16.4 258.47304 222.98541 208.86660 4.19294 0.1309880 2.2395134 49627  
 (69204) 16.6 78.34730 275.56800 168.34546 3.27057 0.1251584 2.3218737 49628  
 (69205) 15.6 248.98108 248.48331 180.26375 7.72662 0.1443643 2.4328640 49628  
 (69206) 16.6 349.51902 101.10758 192.04263 5.56024 0.1977499 2.2458064 49628  
 (69207) 16.7 273.39745 275.22804 137.62510 1.75032 0.1870070 2.4258660 49629  
 (69208) 15.4 293.70464 284.89211 8.36334 11.97480 0.1202401 2.7081358 49629  
 (69209) 15.2 205.92964 218.42747 38.60566 7.48912 0.0769577 2.3390890 49629  
 (69210) 14.2 295.09562 83.29819 13.56876 4.71343 0.3037065 2.6276257 49630  
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 (69212) 17.4 89.84890 209.97287 153.20893 5.57474 0.1986930 2.3505503 49630  
 (69213) 15.3 231.51092 210.67128 171.67827 10.17797 0.0145452 3.0099666 49631  
 (69214) 14.1 166.67765 317.04810 318.14768 13.12126 0.0838385 3.1825549 49631  
 (69215) 15.5 347.76893 174.51147 282.95755 7.13643 0.1382483 2.5787857 49631  
 (69216) 14.1 303.10883 71.65614 257.79531 10.22953 0.1576869 3.0775751 49631  
 (69217) 14.5 292.23723 171.07712 219.42624 6.99762 0.0656151 3.0413742 49632  
 (69218) 15.7 10.59758 53.12650 248.91867 1.45077 0.2137232 2.4045090 49632  
 (69219) 15.4 333.35833 253.46238 1.47825 8.60005 0.1124654 2.7569226 49632  
 (69220) 15.3 328.35872 306.19235 23.00507 1.46032 0.1860807 3.0485793 49633  
 (69221) 16.0 321.02538 139.02583 209.39856 4.52175 0.0630067 2.6895417 49633

(69222) 14.1 265.61913 254.46618 172.01218 11.61629 0.1392666 3.5435240 49633  
 (69223) 16.5 271.37412 290.00089 132.34803 3.03499 0.1520121 2.4146445 49634  
 (69224) 15.8 318.32600 204.20732 140.06448 6.16736 0.1477988 2.6923601 49634  
 (69225) 15.2 317.34209 127.66270 175.44280 17.03844 0.1098427 3.0961655 49634  
 (69226) 16.3 91.07450 259.20194 119.59178 6.95142 0.2303590 2.3230321 49634  
 (69227) 15.6 328.31443 313.98087 154.74644 11.15069 0.1462511 2.6032239 49635  
 (69228) 17.5 210.89640 290.08612 184.80118 22.06365 0.0695032 1.8970989 49635  
 (69229) 15.0 222.84479 227.38832 166.35572 17.01205 0.2177914 3.1257304 49635

## SUMMARY OF IDENTIFICATIONS

The following identifications are invalid:

|                        |                          |           |
|------------------------|--------------------------|-----------|
| 1990 TT <sub>1</sub>   | = 1998 LP                | MPC 34833 |
| 1994 HL <sub>1</sub>   | = 1995 SN <sub>67</sub>  | MPO 46322 |
| 1994 SE <sub>3</sub>   | = 2002 EB <sub>54</sub>  | MPO 28939 |
| 1995 BY <sub>8</sub>   | = 1997 LM <sub>16</sub>  | MPO 6723  |
| 1995 SS <sub>12</sub>  | = 2001 SC <sub>244</sub> | MPO 16729 |
| 1996 TG <sub>23</sub>  | = 2001 AP <sub>14</sub>  | MPO 9047  |
| 1997 TS <sub>21</sub>  | = 2001 YD <sub>43</sub>  | MPO 46333 |
| 1997 WM <sub>3</sub>   | = 2000 SG <sub>181</sub> | MPO 5435  |
| 1998 QU <sub>4</sub>   | = 1999 XM <sub>131</sub> | MPO 6807  |
| 1999 JG <sub>69</sub>  | = 1998 BL <sub>3</sub>   | MPC 35375 |
| 2000 CC <sub>19</sub>  | = 1992 RL <sub>4</sub>   | MPO 376   |
| 2000 DQ <sub>53</sub>  | = 2002 RT <sub>56</sub>  | MPO 34900 |
| 2000 ES <sub>6</sub>   | = 2002 TS <sub>33</sub>  | MPO 40060 |
| 2000 EX <sub>35</sub>  | = 1998 WR <sub>27</sub>  | MPC 39490 |
| 2000 GZ <sub>80</sub>  | = 1999 AP <sub>35</sub>  | MPO 1275  |
| 2000 JV <sub>66</sub>  | = 2000 LC <sub>37</sub>  | MPO 13878 |
| 2000 WC <sub>16</sub>  | = 1997 JV <sub>4</sub>   | MPO 7368  |
| 2000 YO <sub>38</sub>  | = 2002 GS <sub>86</sub>  | MPO 29635 |
| 2001 FC <sub>31</sub>  | = 2002 SK <sub>2</sub>   | MPO 37561 |
| 2001 KL                | = 1988 RV <sub>9</sub>   | MPO 37628 |
| 2001 NZ <sub>11</sub>  | = 2002 TM <sub>129</sub> | MPO 37670 |
| 2001 SP <sub>123</sub> | = 1997 TP <sub>7</sub>   | MPO 20285 |
| 2001 YB <sub>13</sub>  | = 2003 FH <sub>41</sub>  | MPO 47076 |
| 2002 AB <sub>144</sub> | = 2000 UW <sub>83</sub>  | MPO 25585 |
| 2002 EO <sub>6</sub>   | = 1997 CJ <sub>25</sub>  | MPO 29936 |
| 2002 GK <sub>40</sub>  | = 1996 XL <sub>35</sub>  | MPO 33545 |
| 2002 JQ <sub>129</sub> | = 2000 AU <sub>76</sub>  | MPO 31747 |
| 2002 RV <sub>220</sub> | = 1997 TL <sub>12</sub>  | MPO 37923 |
| 2002 WD <sub>13</sub>  | = 1992 YK <sub>5</sub>   | MPO 41293 |
| 2002 XP <sub>100</sub> | = 2002 VN <sub>85</sub>  | MPO 48394 |
| 2003 GP <sub>45</sub>  | = 1992 SA <sub>26</sub>  | MPO 47533 |
| 2141 P-L               | = 1997 EE <sub>45</sub>  | MPO 8351  |
| 2035 T-1               | = 1994 GF <sub>6</sub>   | MPC 38737 |
| 4065 T-1               | = 2000 CM <sub>68</sub>  | MPO 6152  |
| 3965 T-3               | = 1999 NM <sub>34</sub>  | MPO 4874  |

Further details, orbital elements and residuals for the identifications listed below are given in the *Minor Planet Circulars Orbit Supplement*.

1975 SD<sub>1</sub> = 2003 QC<sub>23</sub>

1976 KF<sub>3</sub> = 2000 DH<sub>31</sub>  
 1990 QV<sub>6</sub> = 2003 QZ<sub>38</sub>  
 1992 RA<sub>3</sub> = 2003 QO<sub>35</sub>  
 1992 ST<sub>16</sub> = 1977 RO<sub>19</sub> = 2003 PH<sub>3</sub>  
 1993 DZ<sub>1</sub> = 2003 HD<sub>44</sub>  
 1993 RM<sub>1</sub> = 2003 ON<sub>30</sub>  
 1993 TV<sub>20</sub> = 2003 GX<sub>6</sub>  
 1994 CX<sub>5</sub> = 2003 QV<sub>13</sub>  
 1994 RY<sub>24</sub> = 2003 QJ<sub>4</sub>  
 1994 UT<sub>7</sub> = 2003 QX<sub>98</sub>  
 1995 FW<sub>5</sub> = 2003 QM<sub>46</sub>  
 1995 FB<sub>19</sub> = 2003 HU<sub>45</sub>  
 1995 MC<sub>7</sub> = 2003 NA<sub>10</sub>  
 1995 SW<sub>5</sub> = 2002 TP<sub>342</sub>  
 1995 SX<sub>17</sub> = 2003 GO<sub>54</sub>  
 1995 SY<sub>35</sub> = 2002 TA<sub>362</sub>  
 1995 SZ<sub>50</sub> = 2003 JO  
 1995 UT<sub>80</sub> = 2003 KK<sub>4</sub>  
 1995 VF<sub>6</sub> = 2002 TM<sub>338</sub>  
 1995 VT<sub>11</sub> = 2003 QQ<sub>18</sub>  
 1995 WW<sub>11</sub> = 2003 QG<sub>56</sub>  
 1995 WW<sub>12</sub> = 2003 OL<sub>5</sub>  
 1996 AJ<sub>18</sub> = 2003 QR<sub>75</sub>  
 1996 LF<sub>2</sub> = 2003 KM<sub>30</sub>  
 1996 NN<sub>1</sub> = 2003 QW<sub>4</sub>  
 1996 NO<sub>1</sub> = 2003 MD<sub>10</sub>  
 1996 RM<sub>1</sub> = 2003 MU<sub>7</sub>  
 1996 RW<sub>1</sub> = 2003 QM<sub>53</sub>  
 1996 RU<sub>6</sub> = 2003 QW<sub>17</sub>  
 1996 RA<sub>30</sub> = 2003 FR<sub>31</sub>  
 1996 TC<sub>7</sub> = 1996 TV<sub>11</sub> = 2003 QD<sub>55</sub>  
 1996 TN<sub>7</sub> = 2003 QA<sub>62</sub>  
 1996 TG<sub>18</sub> = 2003 QS<sub>92</sub>  
 1996 TB<sub>30</sub> = 2003 QV<sub>17</sub>  
 1996 TC<sub>42</sub> = 2003 QM<sub>93</sub>  
 1996 TP<sub>56</sub> = 2003 QW<sub>99</sub>  
 1996 VA<sub>3</sub> = 2003 QC<sub>40</sub>  
 1996 WJ = 1992 RL<sub>4</sub> = 2003 PB<sub>4</sub>  
 1997 BT<sub>4</sub> = 2002 AD<sub>55</sub>  
 1997 CT<sub>2</sub> = 2003 QK  
 1997 CF<sub>16</sub> = 2003 QP<sub>21</sub>  
 1997 EE<sub>9</sub> = 2003 QF<sub>60</sub>  
 1997 NW = 2003 MM<sub>4</sub>  
 1997 SM<sub>26</sub> = 2003 FG<sub>38</sub>  
 1998 BE<sub>48</sub> = 2003 FZ<sub>126</sub>  
 1998 FP<sub>54</sub> = 2003 KE<sub>32</sub>  
 1998 FJ<sub>101</sub> = 2003 QA<sub>5</sub>  
 1998 FL<sub>137</sub> = 2003 KH<sub>28</sub>  
 1998 FG<sub>140</sub> = 2003 QN<sub>110</sub>  
 1998 FS<sub>140</sub> = 2003 KZ<sub>32</sub>  
 1998 HP = 2002 PV<sub>162</sub>  
 1998 HA<sub>3</sub> = 2003 FQ<sub>1</sub>

1998 KA<sub>11</sub> = 2003 OB<sub>11</sub>  
 1998 KT<sub>21</sub> = 2003 KK<sub>19</sub>  
 1998 MZ = 2003 QZ<sub>89</sub>  
 1998 MQ<sub>6</sub> = 2003 RG<sub>9</sub>  
 1998 MC<sub>14</sub> = 2003 PP<sub>6</sub>  
 1998 OO<sub>8</sub> = 2003 OF<sub>2</sub>  
 1998 QK<sub>6</sub> = 1998 TF<sub>37</sub>  
 1998 QP<sub>25</sub> = 2003 QL<sub>17</sub>  
 1998 QZ<sub>27</sub> = 2003 MC<sub>5</sub>  
 1998 QW<sub>30</sub> = 2003 NT<sub>5</sub>  
 1998 QE<sub>41</sub> = 2003 NH<sub>2</sub>  
 1998 QB<sub>61</sub> = 2003 NL<sub>4</sub>  
 1998 QY<sub>95</sub> = 2003 QR<sub>100</sub>  
 1998 RE<sub>25</sub> = 2003 MX<sub>10</sub>  
 1998 SB = 2003 OX  
 1998 SQ<sub>9</sub> = 1998 RB<sub>16</sub>  
 1998 SX<sub>14</sub> = 2003 QY<sub>11</sub>  
 1998 SN<sub>46</sub> = 2003 QL<sub>49</sub>  
 1998 SC<sub>76</sub> = 2003 NX<sub>4</sub>  
 1998 SJ<sub>76</sub> = 2003 RB<sub>7</sub>  
 1998 SZ<sub>76</sub> = 2003 OD<sub>28</sub>  
 1998 SY<sub>86</sub> = 2003 QZ<sub>32</sub>  
 1998 SD<sub>90</sub> = 2003 QJ<sub>48</sub>  
 1998 SP<sub>93</sub> = 2003 QZ<sub>57</sub>  
 1998 SB<sub>111</sub> = 2003 PS<sub>4</sub>  
 1998 SO<sub>120</sub> = 2003 OY<sub>24</sub>  
 1998 SV<sub>120</sub> = 2003 QT<sub>74</sub>  
 1998 SX<sub>141</sub> = 2003 OL<sub>9</sub>  
 1998 SG<sub>154</sub> = 2000 CQ<sub>73</sub>  
 1998 SX<sub>159</sub> = 2000 AX<sub>44</sub>  
 1998 SB<sub>162</sub> = 2003 QJ<sub>7</sub>  
 1998 SU<sub>165</sub> = 2003 OM<sub>19</sub>  
 1998 TJ<sub>7</sub> = 2003 QU<sub>104</sub>  
 1998 TC<sub>19</sub> = 1998 UU<sub>39</sub>  
 1998 UT = 2003 ME<sub>2</sub>  
 1998 US<sub>2</sub> = 2003 QQ<sub>103</sub>  
 1998 UV<sub>39</sub> = 2003 QB<sub>111</sub>  
 1998 UW<sub>40</sub> = 2003 OL<sub>8</sub>  
 1998 UM<sub>44</sub> = 2003 RG<sub>7</sub>  
 1998 VV<sub>25</sub> = 2003 PE<sub>1</sub>  
 1998 VE<sub>28</sub> = 1999 CW<sub>151</sub>  
 1998 VS<sub>40</sub> = 2002 TZ<sub>336</sub>  
 1998 VX<sub>42</sub> = 2003 QO<sub>17</sub>  
 1998 WL<sub>29</sub> = 2003 QF<sub>85</sub>  
 1998 WP<sub>32</sub> = 2003 QJ<sub>45</sub>  
 1998 WZ<sub>38</sub> = 2002 TG<sub>327</sub>  
 1998 XX<sub>13</sub> = 2003 QK<sub>10</sub>  
 1998 YG<sub>6</sub> = 2003 QK<sub>1</sub>  
 1999 AB<sub>14</sub> = 2003 FQ<sub>26</sub>  
 1999 CJ<sub>127</sub> = 2001 NT<sub>14</sub> = 2001 OB<sub>110</sub> = 2002 SU<sub>52</sub>  
 1999 CX<sub>148</sub> = 2001 WU<sub>31</sub>  
 1999 JF<sub>49</sub> = 2003 HN<sub>30</sub>

1999 JG<sub>51</sub> = 2003 MU<sub>5</sub>  
 1999 JU<sub>102</sub> = 2003 NP<sub>2</sub>  
 1999 KF<sub>9</sub> = 2003 QS<sub>21</sub>  
 1999 KL<sub>11</sub> = 2003 OR<sub>30</sub>  
 1999 LG<sub>29</sub> = 2003 KA<sub>30</sub>  
 1999 LT<sub>36</sub> = 2001 YQ<sub>145</sub>  
 1999 NY<sub>3</sub> = 2003 OZ<sub>12</sub>  
 1999 NP<sub>12</sub> = 1987 QN<sub>6</sub> = 2003 KM<sub>9</sub>  
 1999 NP<sub>22</sub> = 2003 QU<sub>57</sub>  
 1999 NJ<sub>29</sub> = 2003 MR  
 1999 NR<sub>37</sub> = 2000 WC<sub>196</sub>  
 1999 NJ<sub>45</sub> = 2000 WU<sub>46</sub>  
 1999 PR<sub>5</sub> = 2003 QW<sub>40</sub>  
 1999 QR<sub>2</sub> = 2003 QB<sub>6</sub>  
 1999 RL<sub>16</sub> = 2003 QM<sub>37</sub>  
 1999 RA<sub>24</sub> = 2003 RO  
 1999 RT<sub>25</sub> = 2003 QQ<sub>76</sub>  
 1999 RR<sub>62</sub> = 2003 QQ<sub>31</sub>  
 1999 RE<sub>66</sub> = 2003 PP<sub>7</sub>  
 1999 RN<sub>94</sub> = 2003 OF<sub>17</sub>  
 1999 RO<sub>101</sub> = 2003 OU<sub>16</sub>  
 1999 RT<sub>109</sub> = 2003 QH<sub>57</sub>  
 1999 RL<sub>121</sub> = 2003 KY<sub>35</sub>  
 1999 RP<sub>144</sub> = 1999 SA<sub>23</sub>  
 1999 RH<sub>147</sub> = 2003 NO  
 1999 RT<sub>153</sub> = 2003 NH<sub>8</sub>  
 1999 RC<sub>156</sub> = 2003 OA<sub>21</sub>  
 1999 RV<sub>158</sub> = 2003 QP<sub>80</sub>  
 1999 RN<sub>164</sub> = 1999 TL<sub>88</sub>  
 1999 RB<sub>177</sub> = 2003 QP<sub>42</sub>  
 1999 RF<sub>181</sub> = 2003 QQ<sub>32</sub>  
 1999 RU<sub>183</sub> = 1999 RA<sub>84</sub> = 2003 PU<sub>3</sub>  
 1999 RW<sub>185</sub> = 1999 RR<sub>79</sub> = 2003 QT<sub>11</sub>  
 1999 RU<sub>187</sub> = 1999 RB<sub>255</sub> = 2003 JK<sub>14</sub>  
 1999 RW<sub>191</sub> = 2003 QH<sub>35</sub>  
 1999 RE<sub>195</sub> = 1999 XP<sub>8</sub>  
 1999 RQ<sub>199</sub> = 2003 NR<sub>8</sub>  
 1999 RN<sub>203</sub> = 2003 QP<sub>8</sub>  
 1999 RO<sub>234</sub> = 1999 SR<sub>19</sub>  
 1999 RL<sub>238</sub> = 1999 TP<sub>312</sub>  
 1999 RN<sub>241</sub> = 2002 EA<sub>70</sub>  
 1999 RN<sub>247</sub> = 2003 KB<sub>2</sub>  
 1999 SQ<sub>1</sub> = 1999 RQ<sub>213</sub>  
 1999 SA<sub>15</sub> = 1999 TC<sub>249</sub> = 2003 QW<sub>52</sub>  
 1999 TW<sub>7</sub> = 2003 OF<sub>31</sub>  
 1999 TO<sub>12</sub> = 2003 QC<sub>6</sub>  
 1999 TQ<sub>16</sub> = 2003 QU<sub>61</sub>  
 1999 TV<sub>29</sub> = 2003 OD<sub>18</sub>  
 1999 TL<sub>40</sub> = 2003 QJ<sub>6</sub>  
 1999 TB<sub>48</sub> = 2003 OQ<sub>17</sub>  
 1999 TJ<sub>55</sub> = 2003 KU<sub>33</sub>  
 1999 TF<sub>59</sub> = 1999 RQ<sub>256</sub>

1999 TJ<sub>89</sub> = 2003 NA<sub>8</sub>  
 1999 TE<sub>92</sub> = 2003 QG<sub>61</sub>  
 1999 TK<sub>97</sub> = 2003 OW<sub>5</sub>  
 1999 TH<sub>106</sub> = 1999 NL<sub>56</sub>  
 1999 TN<sub>114</sub> = 1999 TL<sub>222</sub> = 2003 PL<sub>9</sub>  
 1999 TJ<sub>116</sub> = 2003 QV<sub>76</sub>  
 1999 TA<sub>120</sub> = 2003 OC<sub>10</sub>  
 1999 TG<sub>122</sub> = 1999 TH<sub>143</sub>  
 1999 TF<sub>123</sub> = 2003 OV<sub>29</sub>  
 1999 TD<sub>124</sub> = 2003 OA<sub>10</sub>  
 1999 TZ<sub>128</sub> = 1999 RK<sub>258</sub> = 2003 QC<sub>46</sub>  
 1999 TU<sub>134</sub> = 2003 OO<sub>30</sub>  
 1999 TS<sub>135</sub> = 2003 QL<sub>43</sub>  
 1999 TA<sub>136</sub> = 2003 GV<sub>54</sub>  
 1999 TW<sub>142</sub> = 2003 NZ<sub>8</sub> = 2003 OX<sub>19</sub>  
 1999 TW<sub>143</sub> = 2003 QU<sub>107</sub>  
 1999 TE<sub>145</sub> = 2003 QY<sub>2</sub>  
 1999 TF<sub>146</sub> = 2003 QO<sub>55</sub>  
 1999 TC<sub>157</sub> = 1999 TM<sub>181</sub> = 2003 QN<sub>50</sub>  
 1999 TY<sub>158</sub> = 1999 RU<sub>241</sub>  
 1999 TP<sub>162</sub> = 2003 QH<sub>15</sub>  
 1999 TY<sub>165</sub> = 2003 QW<sub>22</sub>  
 1999 TH<sub>167</sub> = 2003 QU<sub>16</sub>  
 1999 TD<sub>169</sub> = 2003 QQ<sub>34</sub>  
 1999 TH<sub>169</sub> = 1999 UO<sub>61</sub>  
 1999 TX<sub>169</sub> = 2003 OF<sub>25</sub>  
 1999 TS<sub>175</sub> = 2003 QJ<sub>58</sub>  
 1999 TF<sub>181</sub> = 2003 QZ<sub>14</sub>  
 1999 TF<sub>185</sub> = 2003 OA<sub>31</sub>  
 1999 TF<sub>189</sub> = 2003 QY<sub>19</sub>  
 1999 TE<sub>192</sub> = 2003 OP<sub>22</sub>  
 1999 TW<sub>198</sub> = 2003 QC<sub>52</sub>  
 1999 TX<sub>205</sub> = 1999 VS<sub>164</sub>  
 1999 TZ<sub>211</sub> = 2003 QL<sub>5</sub>  
 1999 TY<sub>212</sub> = 2003 QF<sub>100</sub>  
 1999 TX<sub>214</sub> = 2003 QQ<sub>99</sub>  
 1999 TF<sub>216</sub> = 2003 QV<sub>58</sub>  
 1999 TF<sub>218</sub> = 2003 QF<sub>58</sub>  
 1999 TH<sub>219</sub> = 2003 QB<sub>59</sub>  
 1999 TR<sub>238</sub> = 2003 QJ<sub>79</sub>  
 1999 TR<sub>250</sub> = 2003 OX<sub>8</sub>  
 1999 TG<sub>252</sub> = 2003 QS<sub>55</sub>  
 1999 TK<sub>256</sub> = 1997 EW<sub>43</sub> = 2002 FO<sub>6</sub>  
 1999 TS<sub>257</sub> = 2002 GB<sub>53</sub>  
 1999 TJ<sub>260</sub> = 1997 HN<sub>14</sub> = 1999 UB<sub>56</sub> = 1999 UO<sub>21</sub>  
 1999 TV<sub>266</sub> = 2003 OD<sub>19</sub>  
 1999 TP<sub>267</sub> = 1999 RK<sub>256</sub> = 2003 RM<sub>4</sub>  
 1999 TW<sub>267</sub> = 1999 RX<sub>206</sub>  
 1999 TG<sub>279</sub> = 1999 RF<sub>25</sub>  
 1999 TD<sub>284</sub> = 2003 OY<sub>21</sub>  
 1999 TP<sub>288</sub> = 2003 QE<sub>44</sub>  
 1999 TQ<sub>295</sub> = 2003 QU<sub>46</sub>



1999 TU<sub>309</sub> = 2002 EB<sub>132</sub>  
 1999 TT<sub>323</sub> = 2003 MZ<sub>3</sub>  
 1999 UK<sub>5</sub> = 2000 AP<sub>153</sub>  
 1999 UP<sub>11</sub> = 2003 QF<sub>41</sub>  
 1999 UW<sub>19</sub> = 2003 OL<sub>15</sub>  
 1999 UF<sub>23</sub> = 1999 VH<sub>57</sub>  
 1999 UK<sub>25</sub> = 2003 NJ<sub>6</sub>  
 1999 UL<sub>30</sub> = 2003 QQ<sub>102</sub>  
 1999 VN<sub>4</sub> = 1999 TO<sub>123</sub>  
 1999 VU<sub>40</sub> = 2003 QQ<sub>1</sub>  
 1999 VP<sub>76</sub> = 2003 QR<sub>96</sub>  
 1999 VM<sub>78</sub> = 2003 QY<sub>99</sub>  
 1999 VS<sub>98</sub> = 2003 QU<sub>39</sub>  
 1999 VK<sub>104</sub> = 2002 UU<sub>61</sub>  
 1999 VX<sub>136</sub> = 2002 TT<sub>342</sub>  
 1999 VM<sub>137</sub> = 1999 WP<sub>26</sub> = 2003 QK<sub>84</sub>  
 1999 VO<sub>148</sub> = 2003 QY<sub>40</sub>  
 1999 VK<sub>155</sub> = 2003 QV<sub>107</sub>  
 1999 VN<sub>166</sub> = 2003 NC<sub>6</sub>  
 1999 VH<sub>175</sub> = 1999 RT<sub>191</sub>  
 1999 VA<sub>177</sub> = 2003 QA<sub>66</sub>  
 1999 VB<sub>178</sub> = 2003 LS<sub>6</sub>  
 1999 VL<sub>207</sub> = 2002 TP<sub>355</sub>  
 1999 WZ<sub>17</sub> = 2003 KQ<sub>2</sub>  
 1999 WX<sub>19</sub> = 2001 BS<sub>82</sub>  
 1999 XC<sub>9</sub> = 2003 QO<sub>90</sub>  
 1999 XR<sub>12</sub> = 2003 OE<sub>12</sub>  
 1999 XP<sub>15</sub> = 1999 WQ<sub>13</sub> = 2003 QL<sub>62</sub>  
 1999 XN<sub>30</sub> = 2003 QL<sub>15</sub>  
 1999 XX<sub>36</sub> = 1990 XK<sub>1</sub>  
 1999 XM<sub>39</sub> = 2003 RX<sub>4</sub>  
 1999 XG<sub>52</sub> = 2003 QW<sub>106</sub>  
 1999 XW<sub>62</sub> = 2003 OZ<sub>23</sub>  
 1999 XW<sub>95</sub> = 1991 BD<sub>4</sub>  
 1999 XX<sub>107</sub> = 1990 TT<sub>1</sub>  
 1999 XN<sub>111</sub> = 2003 QF<sub>64</sub>  
 1999 XA<sub>127</sub> = 2003 MH<sub>9</sub>  
 1999 XC<sub>127</sub> = 2003 QT<sub>99</sub>  
 1999 XP<sub>157</sub> = 2003 QD<sub>26</sub>  
 1999 XH<sub>192</sub> = 2003 QS<sub>26</sub>  
 1999 XS<sub>205</sub> = 2003 QM<sub>103</sub>  
 1999 YQ<sub>5</sub> = 2003 OL<sub>22</sub>  
 1999 YA<sub>6</sub> = 1999 TB  
 1999 YW<sub>9</sub> = 2003 QL<sub>13</sub>  
 2000 AL<sub>7</sub> = 1978 RA<sub>9</sub> = 1978 RF<sub>16</sub>  
 2000 AM<sub>25</sub> = 2002 TN<sub>321</sub>  
 2000 AH<sub>104</sub> = 1990 UV<sub>13</sub>  
 2000 AH<sub>160</sub> = 2002 RB<sub>36</sub>  
 2000 AY<sub>183</sub> = 2003 OT<sub>11</sub>  
 2000 AS<sub>211</sub> = 2003 QN<sub>30</sub>  
 2000 AH<sub>218</sub> = 1999 YU<sub>26</sub>  
 2000 AD<sub>224</sub> = 2003 RH<sub>7</sub>

2000 BC<sub>17</sub> = 2003 PB<sub>9</sub>  
 2000 BZ<sub>26</sub> = 2003 OK<sub>30</sub>  
 2000 BG<sub>37</sub> = 2003 OE<sub>27</sub>  
 2000 BX<sub>49</sub> = 2003 QR<sub>12</sub>  
 2000 CN<sub>7</sub> = 2003 QV<sub>77</sub>  
 2000 CV<sub>15</sub> = 2003 QH<sub>22</sub>  
 2000 CD<sub>100</sub> = 2003 QW<sub>78</sub>  
 2000 CX<sub>114</sub> = 2002 PJ<sub>43</sub>  
 2000 DD<sub>2</sub> = 2003 BW<sub>87</sub>  
 2000 DB<sub>9</sub> = 2002 UV<sub>66</sub>  
 2000 DT<sub>23</sub> = 2000 CR<sub>131</sub>  
 2000 DO<sub>30</sub> = 2003 QR<sub>16</sub>  
 2000 DK<sub>35</sub> = 2003 QR<sub>21</sub>  
 2000 DX<sub>59</sub> = 2002 TA<sub>319</sub>  
 2000 DJ<sub>62</sub> = 2003 QW<sub>41</sub>  
 2000 DD<sub>65</sub> = 2003 QZ<sub>43</sub>  
 2000 DF<sub>94</sub> = 2002 RX<sub>233</sub>  
 2000 DX<sub>116</sub> = 2003 QH<sub>19</sub>  
 2000 EC<sub>11</sub> = 2002 TT<sub>347</sub>  
 2000 EK<sub>23</sub> = 2003 QH<sub>102</sub>  
 2000 FB<sub>3</sub> = 2003 MP  
 2000 FM<sub>6</sub> = 2002 TT<sub>326</sub>  
 2000 FP<sub>51</sub> = 2003 QO<sub>20</sub>  
 2000 GX<sub>111</sub> = 2002 RV<sub>240</sub>  
 2000 GH<sub>176</sub> = 2002 TU<sub>322</sub>  
 2000 HH<sub>98</sub> = 2003 QM<sub>88</sub>  
 2000 HB<sub>101</sub> = 2001 WA<sub>67</sub>  
 2000 JM<sub>3</sub> = 2003 FC<sub>1</sub>  
 2000 KU<sub>8</sub> = 2002 TF<sub>326</sub>  
 2000 OM<sub>14</sub> = 2003 HD<sub>43</sub>  
 2000 QO<sub>32</sub> = 2003 BR<sub>15</sub>  
 2000 QW<sub>146</sub> = 2003 KP<sub>9</sub>  
 2000 QK<sub>237</sub> = 2003 FE<sub>25</sub>  
 2000 RN<sub>15</sub> = 2003 MM<sub>8</sub>  
 2000 RO<sub>84</sub> = 2003 KY<sub>3</sub>  
 2000 RG<sub>87</sub> = 1993 SD<sub>10</sub> = 2003 LL<sub>3</sub>  
 2000 SZ<sub>12</sub> = 2000 QH<sub>115</sub>  
 2000 SN<sub>18</sub> = 2003 QQ<sub>8</sub>  
 2000 SA<sub>45</sub> = 2003 LQ<sub>3</sub>  
 2000 SC<sub>55</sub> = 2003 HF<sub>54</sub>  
 2000 SJ<sub>71</sub> = 1978 RE<sub>8</sub>  
 2000 SD<sub>86</sub> = 2003 OP<sub>2</sub>  
 2000 SC<sub>96</sub> = 2003 PH<sub>1</sub>  
 2000 SO<sub>98</sub> = 2003 FY<sub>27</sub>  
 2000 SX<sub>107</sub> = 2003 NX<sub>2</sub>  
 2000 SF<sub>176</sub> = 2000 WX<sub>194</sub>  
 2000 SM<sub>183</sub> = 2003 KO<sub>36</sub>  
 2000 SY<sub>193</sub> = 2003 GA<sub>26</sub>  
 2000 SX<sub>199</sub> = 2003 QG<sub>3</sub>  
 2000 SL<sub>208</sub> = 2003 PO<sub>8</sub>  
 2000 SJ<sub>210</sub> = 2003 KS<sub>8</sub>  
 2000 SA<sub>243</sub> = 2001 XC<sub>150</sub> = 2003 FH<sub>41</sub>

2000 SQ<sub>269</sub> = 2002 BS<sub>31</sub>  
 2000 SZ<sub>334</sub> = 2000 QW<sub>102</sub>  
 2000 SK<sub>353</sub> = 2002 FW<sub>32</sub>  
 2000 SZ<sub>371</sub> = 2003 QR<sub>56</sub>  
 2000 TM<sub>34</sub> = 2003 KD<sub>22</sub>  
 2000 TK<sub>38</sub> = 2003 MP<sub>2</sub>  
 2000 TS<sub>41</sub> = 2003 MP<sub>9</sub>  
 2000 UV<sub>25</sub> = 1999 JB<sub>131</sub>  
 2000 UQ<sub>46</sub> = 2003 QT<sub>95</sub>  
 2000 UD<sub>54</sub> = 2003 HY<sub>52</sub>  
 2000 UL<sub>59</sub> = 2003 QD<sub>38</sub>  
 2000 UG<sub>62</sub> = 2003 RC<sub>9</sub>  
 2000 UD<sub>66</sub> = 2003 JM<sub>11</sub>  
 2000 UW<sub>93</sub> = 2003 MH<sub>11</sub>  
 2000 VW<sub>8</sub> = 2003 OM<sub>27</sub>  
 2000 VS<sub>15</sub> = 2003 PG  
 2000 VL<sub>45</sub> = 2003 NQ<sub>7</sub>  
 2000 VM<sub>48</sub> = 2003 QS<sub>10</sub>  
 2000 VQ<sub>51</sub> = 2003 OW<sub>29</sub>  
 2000 WB<sub>9</sub> = 2003 QG<sub>48</sub>  
 2000 WF<sub>13</sub> = 2003 MZ<sub>9</sub>  
 2000 WR<sub>21</sub> = 2000 SD<sub>264</sub>  
 2000 WV<sub>28</sub> = 2003 OT<sub>7</sub>  
 2000 WE<sub>50</sub> = 2003 QM<sub>2</sub>  
 2000 WY<sub>51</sub> = 2003 QF<sub>32</sub>  
 2000 WW<sub>54</sub> = 1986 CH<sub>2</sub>  
 2000 WN<sub>56</sub> = 2000 UF<sub>78</sub>  
 2000 WZ<sub>81</sub> = 2003 OC<sub>7</sub>  
 2000 WO<sub>122</sub> = 2003 NV<sub>7</sub>  
 2000 WW<sub>135</sub> = 2003 RO<sub>6</sub>  
 2000 WR<sub>136</sub> = 2003 OC<sub>4</sub>  
 2000 XB<sub>12</sub> = 2003 RA<sub>7</sub>  
 2000 YS<sub>16</sub> = 2001 AM<sub>49</sub>  
 2000 YL<sub>27</sub> = 2003 QM<sub>24</sub>  
 2000 YK<sub>35</sub> = 2000 YE<sub>121</sub>  
 2000 YO<sub>43</sub> = 1996 TE<sub>69</sub>  
 2000 YA<sub>46</sub> = 1986 EH<sub>3</sub>  
 2000 YX<sub>51</sub> = 2000 WO<sub>192</sub>  
 2000 YQ<sub>53</sub> = 2003 QX<sub>74</sub>  
 2000 YJ<sub>58</sub> = 2003 MB<sub>5</sub>  
 2000 YZ<sub>63</sub> = 2003 QU<sub>59</sub>  
 2000 YH<sub>68</sub> = 2001 BR<sub>79</sub>  
 2000 YR<sub>84</sub> = 2003 QJ<sub>101</sub>  
 2000 YH<sub>91</sub> = 2002 GH<sub>124</sub> = 2003 PT<sub>1</sub> = 2003 QM<sub>4</sub>  
 2000 YR<sub>91</sub> = 2003 QV<sub>39</sub>  
 2000 YY<sub>95</sub> = 1996 TO<sub>58</sub> = 2003 QP<sub>73</sub>  
 2000 YE<sub>101</sub> = 2003 MJ<sub>2</sub>  
 2000 YA<sub>112</sub> = 2003 QW<sub>2</sub>  
 2001 AB = 1997 AA<sub>11</sub> = 2003 QK<sub>41</sub>  
 2001 AY<sub>2</sub> = 2003 QM<sub>55</sub>  
 2001 AE<sub>17</sub> = 1979 WO<sub>3</sub>  
 2001 AE<sub>45</sub> = 1986 WY  
 2001 AO<sub>51</sub> = 2003 QT<sub>19</sub>  
 2001 BT<sub>3</sub> = 2003 QT<sub>77</sub>  
 2001 BG<sub>11</sub> = 2003 QB<sub>36</sub>  
 2001 BW<sub>18</sub> = 2003 QH<sub>11</sub>  
 2001 BK<sub>54</sub> = 2003 QW<sub>32</sub>  
 2001 BF<sub>56</sub> = 2003 QL<sub>54</sub>  
 2001 BJ<sub>58</sub> = 2003 QA<sub>87</sub>  
 2001 CU<sub>6</sub> = 1996 TF<sub>69</sub> = 1998 HN<sub>18</sub>  
 2001 CM<sub>15</sub> = 2003 QD<sub>94</sub>  
 2001 CJ<sub>19</sub> = 2003 PG<sub>6</sub>  
 2001 DC<sub>9</sub> = 2003 PD<sub>1</sub>  
 2001 DS<sub>22</sub> = 2003 OX<sub>20</sub>  
 2001 DN<sub>32</sub> = 2003 QF<sub>37</sub>  
 2001 DT<sub>42</sub> = 2003 QP<sub>50</sub>  
 2001 DO<sub>43</sub> = 2001 BO<sub>72</sub>  
 2001 DC<sub>89</sub> = 2003 QT<sub>27</sub>  
 2001 DB<sub>102</sub> = 2001 FE<sub>174</sub>  
 2001 EX<sub>3</sub> = 2003 QL<sub>98</sub>  
 2001 EC<sub>26</sub> = 2003 PF<sub>12</sub>  
 2001 FQ<sub>51</sub> = 2003 QR<sub>90</sub>  
 2001 FG<sub>64</sub> = 1999 XF<sub>210</sub>  
 2001 FK<sub>84</sub> = 2003 QT<sub>94</sub>  
 2001 FO<sub>100</sub> = 2003 QD<sub>17</sub>  
 2001 FL<sub>107</sub> = 2003 QT  
 2001 FV<sub>114</sub> = 2003 QB<sub>45</sub>  
 2001 FY<sub>148</sub> = 2001 FC<sub>125</sub> = 2003 QB<sub>75</sub>  
 2001 FJ<sub>179</sub> = 2003 QW<sub>11</sub>  
 2001 FP<sub>189</sub> = 2000 AB<sub>257</sub> = 2003 QC<sub>101</sub>  
 2001 KL = 2002 RF<sub>169</sub>  
 2001 KY<sub>17</sub> = 2002 TZ<sub>318</sub>  
 2001 KO<sub>76</sub> = 1996 KW<sub>1</sub>  
 2001 MO<sub>18</sub> = 2002 TD<sub>314</sub>  
 2001 NZ<sub>11</sub> = 2002 TM<sub>128</sub>  
 2001 OF<sub>91</sub> = 2002 TV<sub>371</sub>  
 2001 QJ<sub>89</sub> = 2000 JV<sub>66</sub>  
 2001 QD<sub>239</sub> = 1999 AP<sub>35</sub>  
 2001 SS<sub>74</sub> = 1982 BS<sub>5</sub>  
 2001 SP<sub>123</sub> = 2003 AN<sub>37</sub>  
 2001 SC<sub>177</sub> = 1999 EG<sub>15</sub>  
 2001 SK<sub>198</sub> = 2000 ML<sub>7</sub>  
 2001 SC<sub>244</sub> = 2003 BE<sub>54</sub>  
 2001 SC<sub>273</sub> = 2003 JV<sub>3</sub>  
 2001 SM<sub>323</sub> = 2003 BA<sub>34</sub>  
 2001 TM<sub>101</sub> = 2003 KO<sub>22</sub>  
 2001 TW<sub>177</sub> = 2003 FC<sub>76</sub>  
 2001 TB<sub>212</sub> = 2003 GR<sub>44</sub>  
 2001 UD<sub>10</sub> = 2003 HG<sub>36</sub>  
 2001 UR<sub>10</sub> = 1999 FL<sub>42</sub> = 2003 JS<sub>9</sub>  
 2001 UU<sub>17</sub> = 2003 FJ<sub>129</sub>  
 2001 UE<sub>85</sub> = 1996 VX<sub>21</sub>  
 2001 UG<sub>195</sub> = 2003 GT<sub>52</sub>  
 2001 VB<sub>29</sub> = 2003 FG<sub>17</sub>

2001 WK<sub>90</sub> = 2003 CU<sub>13</sub>  
 2001 XR<sub>6</sub> = 2003 BK<sub>36</sub>  
 2001 XH<sub>110</sub> = 1997 TP<sub>7</sub>  
 2001 XM<sub>123</sub> = 2001 VT<sub>81</sub> = 1990 OF<sub>6</sub>  
 2001 XU<sub>144</sub> = 2003 FE<sub>30</sub>  
 2001 XM<sub>185</sub> = 1997 WZ<sub>43</sub>  
 2001 YQ<sub>132</sub> = 1954 TB<sub>1</sub> = 2003 BS<sub>54</sub>  
 2001 YV<sub>134</sub> = 2003 GN<sub>35</sub>  
 2001 YY<sub>151</sub> = 2003 GV<sub>51</sub>  
 2002 AW<sub>71</sub> = 2003 FX<sub>84</sub>  
 2002 AD<sub>81</sub> = 2003 HH<sub>37</sub>  
 2002 AY<sub>117</sub> = 2002 BD<sub>9</sub>  
 2002 AE<sub>125</sub> = 2002 BC<sub>10</sub>  
 2002 AW<sub>125</sub> = 1987 DV<sub>1</sub>  
 2002 AB<sub>144</sub> = 1995 CK<sub>8</sub>  
 2002 AD<sub>182</sub> = 2003 MH<sub>3</sub>  
 2002 BP = 1984 AC  
 2002 CC<sub>28</sub> = 2001 XE<sub>119</sub>  
 2002 CT<sub>38</sub> = 2003 QC<sub>59</sub>  
 2002 CB<sub>57</sub> = 1987 KU  
 2002 CF<sub>58</sub> = 2003 KV<sub>3</sub>  
 2002 CF<sub>84</sub> = 1991 HE<sub>2</sub> = 1999 PU<sub>8</sub>  
 2002 CS<sub>94</sub> = 1993 TU<sub>48</sub>  
 2002 CO<sub>109</sub> = 1994 GF<sub>6</sub>  
 2002 CK<sub>124</sub> = 2003 QM<sub>16</sub>  
 2002 CF<sub>127</sub> = 2003 MT<sub>3</sub>  
 2002 CP<sub>129</sub> = 1998 HB<sub>86</sub> = 2000 WQ<sub>105</sub> = 2003 HB<sub>41</sub>  
 2002 CV<sub>140</sub> = 2003 GH<sub>51</sub>  
 2002 CL<sub>148</sub> = 2003 PN<sub>9</sub>  
 2002 CB<sub>180</sub> = 2003 LL<sub>6</sub>  
 2002 CO<sub>186</sub> = 2000 VG<sub>4</sub> = 2003 QU<sub>6</sub>  
 2002 CE<sub>202</sub> = 2003 OP<sub>28</sub>  
 2002 CE<sub>224</sub> = 2003 NX<sub>7</sub>  
 2002 CG<sub>225</sub> = 2003 MW  
 2002 CN<sub>227</sub> = 2003 KC<sub>4</sub>  
 2002 CA<sub>237</sub> = 2003 KT<sub>28</sub>  
 2002 CF<sub>238</sub> = 1977 RR<sub>12</sub> = 2003 KH<sub>31</sub>  
 2002 CD<sub>258</sub> = 2003 HT<sub>9</sub>  
 2002 CO<sub>260</sub> = 2003 OB<sub>13</sub>  
 2002 CP<sub>267</sub> = 2003 MO<sub>9</sub>  
 2002 CE<sub>270</sub> = 2003 OH<sub>24</sub>  
 2002 CZ<sub>277</sub> = 1997 JV<sub>4</sub> = 2000 WG<sub>185</sub>  
 2002 CD<sub>279</sub> = 1998 HM<sub>150</sub> = 2003 KU<sub>7</sub>  
 2002 CW<sub>298</sub> = 2003 QO<sub>38</sub>  
 2002 CQ<sub>301</sub> = 2003 ME<sub>8</sub>  
 2002 ES<sub>3</sub> = 2003 QB<sub>108</sub>  
 2002 EH<sub>17</sub> = 2003 NV  
 2002 EL<sub>26</sub> = 2000 VZ<sub>40</sub>  
 2002 EA<sub>40</sub> = 2002 GB<sub>178</sub> = 2003 QY<sub>41</sub>  
 2002 EU<sub>61</sub> = 2003 QY<sub>95</sub>  
 2002 EJ<sub>62</sub> = 1999 LC<sub>34</sub> = 2003 OB<sub>32</sub>  
 2002 EK<sub>64</sub> = 2003 OM<sub>30</sub>  
 2002 EK<sub>65</sub> = 1991 PQ<sub>24</sub>  
 2002 EX<sub>69</sub> = 2002 FH<sub>39</sub>  
 2002 EM<sub>77</sub> = 2003 QW<sub>89</sub>  
 2002 EF<sub>80</sub> = 2003 QJ<sub>11</sub>  
 2002 EL<sub>85</sub> = 2003 HR<sub>1</sub>  
 2002 EP<sub>90</sub> = 2003 OU<sub>22</sub>  
 2002 EW<sub>91</sub> = 2003 QQ<sub>43</sub>  
 2002 EG<sub>95</sub> = 2003 QE<sub>36</sub>  
 2002 EP<sub>109</sub> = 2002 CW<sub>296</sub>  
 2002 EV<sub>124</sub> = 2003 NU<sub>7</sub>  
 2002 EW<sub>125</sub> = 2003 QK<sub>43</sub>  
 2002 EQ<sub>126</sub> = 1998 QM<sub>66</sub> = 2003 JU<sub>14</sub>  
 2002 ER<sub>133</sub> = 2003 QO<sub>39</sub>  
 2002 EF<sub>146</sub> = 2002 CR<sub>293</sub>  
 2002 EJ<sub>153</sub> = 1991 HQ<sub>4</sub>  
 2002 FC<sub>3</sub> = 2003 QN<sub>103</sub>  
 2002 FU<sub>18</sub> = 2003 OA<sub>2</sub>  
 2002 GR<sub>36</sub> = 2003 QE<sub>22</sub>  
 2002 GK<sub>40</sub> = 2003 ML<sub>6</sub>  
 2002 GJ<sub>44</sub> = 2002 GP<sub>56</sub>  
 2002 GU<sub>47</sub> = 2003 MU<sub>6</sub>  
 2002 GH<sub>49</sub> = 2003 QB<sub>1</sub>  
 2002 GD<sub>62</sub> = 2003 QQ<sub>41</sub>  
 2002 GH<sub>66</sub> = 2003 OL<sub>3</sub>  
 2002 GK<sub>67</sub> = 2003 QG<sub>41</sub>  
 2002 GL<sub>67</sub> = 2003 OJ<sub>5</sub>  
 2002 GD<sub>81</sub> = 2003 QN<sub>62</sub>  
 2002 GQ<sub>83</sub> = 2003 QU<sub>63</sub>  
 2002 GK<sub>86</sub> = 2003 QS<sub>47</sub>  
 2002 GA<sub>92</sub> = 2003 QE<sub>101</sub>  
 2002 GA<sub>93</sub> = 2003 MQ<sub>6</sub>  
 2002 GS<sub>94</sub> = 2003 QH<sub>101</sub>  
 2002 GJ<sub>103</sub> = 2003 QD<sub>104</sub>  
 2002 GK<sub>106</sub> = 2003 QD<sub>60</sub>  
 2002 GU<sub>107</sub> = 2003 OZ<sub>15</sub>  
 2002 GV<sub>110</sub> = 2003 QJ<sub>74</sub>  
 2002 GW<sub>111</sub> = 2003 QW<sub>61</sub>  
 2002 GK<sub>114</sub> = 2003 QU<sub>101</sub>  
 2002 GF<sub>121</sub> = 2003 QD<sub>71</sub>  
 2002 GK<sub>121</sub> = 2003 QT<sub>57</sub>  
 2002 GN<sub>122</sub> = 2003 QK<sub>62</sub>  
 2002 GX<sub>126</sub> = 2003 QO<sub>24</sub>  
 2002 GT<sub>127</sub> = 2003 QW<sub>69</sub>  
 2002 GP<sub>128</sub> = 2003 QF<sub>92</sub>  
 2002 GW<sub>131</sub> = 2003 QG<sub>78</sub>  
 2002 GB<sub>134</sub> = 2003 QP<sub>100</sub>  
 2002 GC<sub>135</sub> = 2003 QZ<sub>99</sub>  
 2002 GF<sub>140</sub> = 2003 QR<sub>17</sub>  
 2002 GZ<sub>148</sub> = 1999 VC<sub>109</sub> = 2003 OO  
 2002 GD<sub>149</sub> = 2003 QQ<sub>75</sub>  
 2002 GK<sub>149</sub> = 2003 OU<sub>31</sub>  
 2002 GK<sub>151</sub> = 2003 QX<sub>23</sub>

2002 GW<sub>164</sub> = 2003 QH<sub>36</sub>  
 2002 GX<sub>170</sub> = 1999 TN<sub>320</sub>  
 2002 GZ<sub>176</sub> = 2003 QQ<sub>37</sub>  
 2002 GW<sub>177</sub> = 2003 QV<sub>89</sub>  
 2002 HC<sub>1</sub> = 3965 T-3  
 2002 HJ<sub>16</sub> = 2003 QB<sub>104</sub>  
 2002 JK<sub>29</sub> = 2003 QT<sub>42</sub>  
 2002 JT<sub>38</sub> = 2003 OC<sub>26</sub>  
 2002 JK<sub>59</sub> = 1998 SJ<sub>44</sub> = 2001 FY<sub>153</sub>  
 2002 JW<sub>76</sub> = 2003 QR<sub>71</sub>  
 2002 JU<sub>91</sub> = 2003 QM<sub>22</sub>  
 2002 JB<sub>92</sub> = 2003 OU<sub>29</sub>  
 2002 JP<sub>101</sub> = 1981 UT<sub>17</sub>  
 2002 JU<sub>106</sub> = 1998 QN<sub>72</sub> = 2003 MO<sub>8</sub>  
 2002 JM<sub>116</sub> = 2000 YO<sub>38</sub> = 2003 QF<sub>54</sub>  
 2002 JA<sub>132</sub> = 2003 QB<sub>105</sub>  
 2002 JO<sub>140</sub> = 2003 QQ<sub>66</sub>  
 2002 KE<sub>10</sub> = 2003 QE<sub>18</sub>  
 2002 LX<sub>21</sub> = 2639 P-L = 2003 QW<sub>29</sub>  
 2002 LM<sub>51</sub> = 2003 RV<sub>7</sub>  
 2002 LC<sub>54</sub> = 2003 QK<sub>71</sub>  
 2002 PU<sub>33</sub> = 2000 EQ<sub>190</sub>  
 2002 PW<sub>66</sub> = 2003 QM<sub>64</sub>  
 2002 PW<sub>80</sub> = 2001 JS<sub>4</sub>  
 2002 PR<sub>132</sub> = 2002 NR<sub>23</sub>  
 2002 PV<sub>159</sub> = 2001 ES<sub>25</sub>  
 2002 PK<sub>163</sub> = 2001 FR<sub>39</sub>  
 2002 PQ<sub>163</sub> = 1999 AD<sub>31</sub>  
 2002 PR<sub>163</sub> = 2001 CB<sub>26</sub>  
 2002 PT<sub>163</sub> = 1999 CP<sub>23</sub>  
 2002 PH<sub>164</sub> = 2001 KX<sub>41</sub>  
 2002 PP<sub>164</sub> = 1998 VJ<sub>36</sub>  
 2002 PR<sub>164</sub> = 3480 T-3  
 2002 PV<sub>164</sub> = 1999 VP<sub>133</sub>  
 2002 PZ<sub>164</sub> = 2001 FX<sub>16</sub>  
 2002 PH<sub>165</sub> = 1998 KG<sub>5</sub>  
 2002 QQ<sub>22</sub> = 6261 P-L  
 2002 QF<sub>39</sub> = 2002 RN<sub>239</sub>  
 2002 QJ<sub>45</sub> = 2002 PX<sub>57</sub>  
 2002 QZ<sub>47</sub> = 1997 EM<sub>9</sub>  
 2002 QV<sub>49</sub> = 1997 TE<sub>8</sub>  
 2002 QY<sub>49</sub> = 1994 TT<sub>4</sub>  
 2002 QJ<sub>50</sub> = 1999 YC<sub>2</sub> = 2001 EY<sub>26</sub>  
 2002 QO<sub>50</sub> = 2001 HA<sub>39</sub>  
 2002 QR<sub>50</sub> = 1993 BL<sub>11</sub>  
 2002 QS<sub>50</sub> = 2000 DU<sub>41</sub>  
 2002 QX<sub>50</sub> = 1993 FY<sub>67</sub>  
 2002 QJ<sub>52</sub> = 2000 EM<sub>59</sub>  
 2002 QT<sub>52</sub> = 1998 TY<sub>23</sub>  
 2002 QN<sub>53</sub> = 2000 CS<sub>138</sub>  
 2002 QR<sub>53</sub> = 1997 MO<sub>8</sub>  
 2002 QS<sub>53</sub> = 1995 WC<sub>14</sub> = 2001 HG

2002 QU<sub>53</sub> = 1996 AT<sub>18</sub>  
 2002 QZ<sub>53</sub> = 2000 JT<sub>7</sub>  
 2002 QR<sub>54</sub> = 1997 SQ<sub>29</sub>  
 2002 RK<sub>57</sub> = 2000 HO<sub>105</sub>  
 2002 RX<sub>128</sub> = 1999 CS<sub>124</sub>  
 2002 RO<sub>169</sub> = 2000 EU<sub>196</sub>  
 2002 RQ<sub>211</sub> = 2000 DQ<sub>53</sub>  
 2002 RC<sub>236</sub> = 2001 LC<sub>6</sub>  
 2002 RE<sub>238</sub> = 1995 OB<sub>11</sub>  
 2002 RY<sub>238</sub> = 2000 EM<sub>160</sub>  
 2002 RW<sub>239</sub> = 2001 DQ<sub>2</sub>  
 2002 RB<sub>240</sub> = 1998 HW<sub>64</sub>  
 2002 RK<sub>240</sub> = 2000 BY<sub>11</sub>  
 2002 RW<sub>240</sub> = 1992 TN  
 2002 SM<sub>19</sub> = 1994 VY<sub>5</sub>  
 2002 SO<sub>62</sub> = 2002 PT<sub>149</sub> = 1998 YQ<sub>18</sub>  
 2002 TP<sub>3</sub> = 2002 VS<sub>128</sub> = 2000 GR<sub>186</sub>  
 2002 TB<sub>127</sub> = 2002 TO<sub>302</sub>  
 2002 TC<sub>183</sub> = 1977 DQ<sub>2</sub> = 1977 EM<sub>2</sub>  
 2002 TQ<sub>220</sub> = 1988 FK<sub>3</sub> = 1999 DA<sub>6</sub>  
 2002 TB<sub>246</sub> = 1998 SO<sub>169</sub>  
 2002 TJ<sub>297</sub> = 2000 DY<sub>91</sub>  
 2002 TD<sub>304</sub> = 1993 TT<sub>48</sub> = 2001 KO<sub>64</sub>  
 2002 TV<sub>304</sub> = 1996 GS<sub>16</sub>  
 2002 TY<sub>304</sub> = 1996 GT<sub>14</sub>  
 2002 TT<sub>307</sub> = 2001 KR<sub>61</sub>  
 2002 TY<sub>311</sub> = 2000 FO<sub>56</sub>  
 2002 TZ<sub>314</sub> = 1998 YA<sub>21</sub>  
 2002 TB<sub>317</sub> = 2000 EU<sub>142</sub>  
 2002 TD<sub>317</sub> = 2000 AU<sub>79</sub>  
 2002 TY<sub>342</sub> = 1995 DT<sub>7</sub>  
 2002 TX<sub>349</sub> = 2001 KM<sub>51</sub>  
 2002 UE<sub>59</sub> = 1995 XT<sub>4</sub>  
 2002 XW<sub>14</sub> = 2000 CM<sub>68</sub>  
 2002 XU<sub>73</sub> = 2001 QK<sub>109</sub>  
 2003 AD<sub>9</sub> = 1989 UJ<sub>2</sub>  
 2003 AF<sub>24</sub> = 1995 AV<sub>1</sub>  
 2003 BV<sub>88</sub> = 1998 VA<sub>52</sub>  
 2003 DK<sub>16</sub> = 2001 SF<sub>240</sub>  
 2003 DE<sub>18</sub> = 1998 XH<sub>47</sub>  
 2003 ET<sub>8</sub> = 1997 WB<sub>25</sub>  
 2003 EH<sub>13</sub> = 2000 QC<sub>113</sub> = 2001 YO<sub>150</sub>  
 2003 EB<sub>16</sub> = 1998 WF<sub>39</sub> = 2000 GR<sub>101</sub>  
 2003 EA<sub>32</sub> = 1999 FG<sub>21</sub> = 2000 QE<sub>162</sub> = 2001 XQ<sub>135</sub>  
 2003 EL<sub>34</sub> = 2001 WL<sub>95</sub>  
 2003 EW<sub>52</sub> = 1998 HQ<sub>141</sub>  
 2003 FN<sub>5</sub> = 2001 XD<sub>134</sub>  
 2003 FD<sub>7</sub> = 1999 CC<sub>152</sub> = 2000 QJ<sub>247</sub>  
 2003 FN<sub>11</sub> = 1995 SX<sub>46</sub>  
 2003 FH<sub>16</sub> = 2002 BO<sub>22</sub> = 4255 P-L  
 2003 FC<sub>27</sub> = 1996 JZ<sub>3</sub>  
 2003 FN<sub>38</sub> = 1999 NX<sub>59</sub>

2003 FJ<sub>72</sub> = 2003 FY<sub>91</sub> = 2001 WW<sub>79</sub>  
 2003 FA<sub>79</sub> = 1990 RL<sub>3</sub> = 1990 SG<sub>26</sub> = 2001 YT<sub>144</sub>  
 2003 FO<sub>113</sub> = 2000 SU<sub>197</sub> = 2001 XF<sub>156</sub>  
 2003 FQ<sub>116</sub> = 1997 UX<sub>12</sub> = 2001 YO<sub>157</sub>  
 2003 FO<sub>121</sub> = 2000 QF<sub>39</sub>  
 2003 GE<sub>5</sub> = 2000 OU<sub>16</sub>  
 2003 GZ<sub>10</sub> = 2001 TH<sub>223</sub>  
 2003 GK<sub>16</sub> = 1997 WM<sub>3</sub> = 2001 YJ<sub>141</sub>  
 2003 GO<sub>23</sub> = 1999 NF<sub>25</sub>  
 2003 GT<sub>49</sub> = 1996 HD<sub>3</sub>  
 2003 GM<sub>54</sub> = 1999 NB<sub>15</sub>  
 2003 HN<sub>2</sub> = 2000 NW<sub>22</sub>  
 2003 HR<sub>2</sub> = 2002 CU<sub>290</sub>  
 2003 HW<sub>2</sub> = 2001 TN<sub>228</sub>  
 2003 HL<sub>4</sub> = 1996 XL<sub>35</sub>  
 2003 HE<sub>5</sub> = 2000 QZ<sub>249</sub> = 2002 CD<sub>177</sub>  
 2003 HN<sub>7</sub> = 2000 VH<sub>9</sub> = 2002 CL<sub>282</sub>  
 2003 HP<sub>9</sub> = 1999 RG<sub>255</sub> = 2000 WM<sub>175</sub> = 2002 CY<sub>39</sub>  
 2003 HB<sub>14</sub> = 1998 HT<sub>89</sub> = 2000 TX<sub>15</sub>  
 2003 HZ<sub>14</sub> = 1997 WW<sub>42</sub> = 2001 YA<sub>149</sub>  
 2003 HC<sub>17</sub> = 2000 WX<sub>45</sub>  
 2003 HP<sub>40</sub> = 1993 JE<sub>1</sub> = 2002 CH<sub>160</sub>  
 2003 HP<sub>42</sub> = 2000 AE<sub>174</sub>  
 2003 HW<sub>42</sub> = 1999 LR<sub>16</sub> = 2002 CJ<sub>45</sub>  
 2003 HJ<sub>43</sub> = 1994 UO<sub>3</sub> = 2002 CS<sub>192</sub>  
 2003 HC<sub>47</sub> = 1999 TM<sub>271</sub>  
 2003 HQ<sub>48</sub> = 2000 TU<sub>53</sub> = 2002 CK<sub>312</sub>  
 2003 HY<sub>48</sub> = 1997 WG<sub>10</sub>  
 2003 HV<sub>52</sub> = 2000 TC<sub>8</sub>  
 2003 HW<sub>52</sub> = 1996 VA<sub>13</sub>  
 2003 HD<sub>53</sub> = 2002 CB<sub>66</sub>  
 2003 HK<sub>54</sub> = 2001 YJ<sub>143</sub>  
 2003 HA<sub>55</sub> = 1995 UD<sub>23</sub>  
 2003 HJ<sub>55</sub> = 1994 RJ<sub>28</sub>  
 2003 JJ<sub>1</sub> = 2002 AD<sub>73</sub>  
 2003 JW<sub>5</sub> = 2000 RM<sub>52</sub>  
 2003 JF<sub>7</sub> = 1999 FK<sub>62</sub> = 2001 XZ<sub>210</sub>  
 2003 JS<sub>8</sub> = 2000 NM<sub>18</sub>  
 2003 JL<sub>10</sub> = 2000 QH<sub>165</sub>  
 2003 JF<sub>11</sub> = 1999 UF<sub>54</sub>  
 2003 JJ<sub>13</sub> = 1993 TW<sub>45</sub> = 1999 TY<sub>178</sub>  
 2003 JG<sub>14</sub> = 1999 NO<sub>61</sub>  
 2003 JP<sub>16</sub> = 2002 DA<sub>10</sub>  
 2003 KC = 2001 XC<sub>123</sub>  
 2003 KX = 2000 WQ<sub>82</sub>  
 2003 KH<sub>2</sub> = 1997 CC<sub>27</sub>  
 2003 KT<sub>3</sub> = 1999 VQ<sub>97</sub>  
 2003 KU<sub>3</sub> = 1996 GH<sub>18</sub>  
 2003 KB<sub>4</sub> = 1994 YT<sub>3</sub>  
 2003 KJ<sub>4</sub> = 2000 QO<sub>58</sub>  
 2003 KM<sub>7</sub> = 2001 XZ<sub>160</sub>  
 2003 KU<sub>8</sub> = 1999 FU<sub>43</sub>

2003 KK<sub>9</sub> = 1996 XJ<sub>10</sub>  
 2003 KE<sub>10</sub> = 1999 TZ<sub>105</sub>  
 2003 KX<sub>10</sub> = 1996 PQ<sub>8</sub>  
 2003 KM<sub>11</sub> = 1996 MD  
 2003 KZ<sub>11</sub> = 2000 SB<sub>255</sub>  
 2003 KT<sub>13</sub> = 2002 CK<sub>229</sub>  
 2003 KG<sub>17</sub> = 2002 CJ<sub>303</sub>  
 2003 KZ<sub>17</sub> = 1996 OT = 2000 TL<sub>56</sub>  
 2003 KM<sub>18</sub> = 1999 GJ<sub>33</sub>  
 2003 KU<sub>18</sub> = 2000 OQ<sub>57</sub>  
 2003 KY<sub>18</sub> = 2002 EM<sub>63</sub>  
 2003 KH<sub>19</sub> = 2000 YH<sub>136</sub>  
 2003 KJ<sub>20</sub> = 1999 NQ<sub>53</sub> = 1999 TO<sub>106</sub>  
 2003 LN<sub>1</sub> = 2000 WY<sub>63</sub>  
 2003 LT<sub>2</sub> = 1999 NH<sub>63</sub> = 2000 WJ<sub>64</sub>  
 2003 LW<sub>3</sub> = 1978 ET<sub>10</sub>  
 2003 LX<sub>3</sub> = 2000 VD<sub>55</sub>  
 2003 LV<sub>4</sub> = 1999 RW<sub>240</sub>  
 2003 LJ<sub>5</sub> = 1999 NK<sub>58</sub>  
 2003 LU<sub>5</sub> = 1998 TA<sub>37</sub>  
 2003 LW<sub>5</sub> = 1999 NR<sub>25</sub>  
 2003 LH<sub>6</sub> = 2002 EM<sub>51</sub>  
 2003 LJ<sub>6</sub> = 1999 OL<sub>1</sub>  
 2003 LV<sub>6</sub> = 1999 NQ<sub>52</sub>  
 2003 MD = 1991 RJ<sub>42</sub> = 1999 TR<sub>264</sub>  
 2003 MG = 1999 NE<sub>1</sub>  
 2003 MJ = 1996 TU<sub>29</sub> = 1999 LM<sub>23</sub> = 2000 VA<sub>6</sub>  
 2003 MA<sub>1</sub> = 2002 CX<sub>40</sub>  
 2003 MC<sub>1</sub> = 1999 TH<sub>188</sub>  
 2003 MH<sub>1</sub> = 2000 SH<sub>355</sub>  
 2003 MN<sub>1</sub> = 2002 GF<sub>155</sub>  
 2003 MY<sub>1</sub> = 2002 FZ<sub>36</sub>  
 2003 MD<sub>2</sub> = 1999 NM<sub>41</sub>  
 2003 MH<sub>2</sub> = 2002 CA<sub>48</sub>  
 2003 ML<sub>2</sub> = 2000 WW<sub>86</sub>  
 2003 MN<sub>2</sub> = 2000 XD<sub>55</sub>  
 2003 MQ<sub>2</sub> = 2002 EW<sub>55</sub>  
 2003 MU<sub>2</sub> = 2002 CF<sub>70</sub> = 2003 LG<sub>1</sub>  
 2003 MX<sub>2</sub> = 2001 AB<sub>44</sub>  
 2003 MD<sub>3</sub> = 1999 FX<sub>7</sub> = 2000 TQ<sub>34</sub>  
 2003 ML<sub>3</sub> = 1999 NH<sub>38</sub>  
 2003 MO<sub>3</sub> = 1999 NA<sub>37</sub>  
 2003 MR<sub>3</sub> = 2000 UG<sub>92</sub>  
 2003 MY<sub>3</sub> = 2002 CR<sub>147</sub>  
 2003 MD<sub>4</sub> = 2002 CD<sub>268</sub>  
 2003 MF<sub>5</sub> = 1998 HB<sub>109</sub>  
 2003 MK<sub>5</sub> = 1999 TK<sub>188</sub> = 2000 YN<sub>89</sub>  
 2003 MM<sub>5</sub> = 1996 OA<sub>2</sub>  
 2003 MP<sub>5</sub> = 1999 LS<sub>21</sub>  
 2003 MZ<sub>5</sub> = 2000 ST<sub>307</sub>  
 2003 MA<sub>6</sub> = 1998 QH<sub>89</sub>  
 2003 MB<sub>6</sub> = 1996 TT<sub>29</sub>

2003 MF<sub>6</sub> = 1996 TR<sub>48</sub>  
 2003 MH<sub>6</sub> = 1998 EY<sub>5</sub> = 2000 YN<sub>40</sub>  
 2003 MJ<sub>6</sub> = 2002 JS<sub>107</sub>  
 2003 MP<sub>6</sub> = 1999 XY<sub>240</sub>  
 2003 MR<sub>6</sub> = 1998 XV<sub>64</sub>  
 2003 MJ<sub>8</sub> = 2001 DM<sub>1</sub>  
 2003 MQ<sub>8</sub> = 2002 GT<sub>108</sub>  
 2003 MS<sub>8</sub> = 1999 RR<sub>125</sub>  
 2003 MU<sub>8</sub> = 1998 SE<sub>170</sub>  
 2003 MY<sub>8</sub> = 2000 WD<sub>15</sub>  
 2003 MA<sub>9</sub> = 2192 P-L  
 2003 MN<sub>9</sub> = 1999 NP<sub>55</sub>  
 2003 MV<sub>9</sub> = 2002 AA<sub>92</sub>  
 2003 MX<sub>9</sub> = 1996 UR<sub>1</sub>  
 2003 MA<sub>10</sub> = 1996 XZ<sub>33</sub> = 2002 ET<sub>59</sub>  
 2003 ME<sub>10</sub> = 1997 AY<sub>11</sub>  
 2003 MT<sub>11</sub> = 2002 CB<sub>307</sub>  
 2003 MW<sub>11</sub> = 1999 TQ<sub>188</sub>  
 2003 MN<sub>12</sub> = 1998 KO<sub>57</sub>  
 2003 NF = 1999 RR<sub>222</sub>  
 2003 NP = 1993 PE<sub>3</sub>  
 2003 NR = 2002 CK<sub>300</sub>  
 2003 NT = 1994 BH<sub>2</sub>  
 2003 NU = 1999 LE<sub>25</sub>  
 2003 NC<sub>1</sub> = 1999 NU<sub>2</sub>  
 2003 NG<sub>1</sub> = 2000 AX<sub>154</sub>  
 2003 NM<sub>1</sub> = 1997 LQ<sub>9</sub> = 2002 GY<sub>98</sub>  
 2003 NZ<sub>1</sub> = 2002 CW<sub>282</sub>  
 2003 ND<sub>2</sub> = 2002 CL<sub>199</sub>  
 2003 NJ<sub>2</sub> = 1991 VJ<sub>12</sub> = 1999 RT<sub>66</sub> = 2002 FN<sub>12</sub>  
 2003 NO<sub>2</sub> = 1999 NE<sub>64</sub>  
 2003 NR<sub>2</sub> = 2000 JU<sub>74</sub>  
 2003 NC<sub>3</sub> = 1999 BN<sub>23</sub> = 2002 LK<sub>41</sub>  
 2003 NJ<sub>3</sub> = 1998 XB<sub>63</sub>  
 2003 NL<sub>3</sub> = 2000 LH<sub>16</sub>  
 2003 NA<sub>5</sub> = 2002 CG<sub>87</sub>  
 2003 ND<sub>5</sub> = 2002 GS<sub>79</sub>  
 2003 NE<sub>5</sub> = 1999 YH<sub>6</sub>  
 2003 NQ<sub>5</sub> = 2002 GT<sub>57</sub>  
 2003 NS<sub>5</sub> = 1999 VK<sub>13</sub>  
 2003 NN<sub>6</sub> = 1993 UG<sub>7</sub>  
 2003 NV<sub>6</sub> = 9553 P-L  
 2003 NH<sub>7</sub> = 2002 FP<sub>35</sub>  
 2003 NM<sub>7</sub> = 1976 UF<sub>18</sub>  
 2003 NB<sub>8</sub> = 2002 CC<sub>189</sub>  
 2003 NC<sub>8</sub> = 1999 UY<sub>60</sub>  
 2003 NE<sub>8</sub> = 1999 SC<sub>8</sub>  
 2003 NL<sub>8</sub> = 1999 TO<sub>288</sub>  
 2003 NM<sub>8</sub> = 1999 NA<sub>34</sub>  
 2003 NP<sub>8</sub> = 1999 JT<sub>138</sub>  
 2003 NQ<sub>8</sub> = 1987 OC<sub>1</sub>  
 2003 NU<sub>8</sub> = 2002 OM<sub>21</sub>

2003 NW<sub>8</sub> = 2002 EV<sub>141</sub>  
 2003 NK<sub>9</sub> = 1999 RF<sub>99</sub> = 1999 RN<sub>122</sub>  
 2003 NG<sub>10</sub> = 1996 BH<sub>11</sub>  
 2003 NO<sub>12</sub> = 1996 TT<sub>33</sub>  
 2003 OB = 2002 LH<sub>48</sub>  
 2003 OH = 2000 QD<sub>53</sub>  
 2003 OK = 2000 AG<sub>105</sub>  
 2003 OM = 1998 BG<sub>47</sub>  
 2003 ON = 2000 WV<sub>149</sub>  
 2003 OP = 2002 CS<sub>202</sub>  
 2003 OR = 1995 KN<sub>3</sub>  
 2003 OD<sub>1</sub> = 2000 AA<sub>43</sub> = 2000 CO<sub>3</sub>  
 2003 OE<sub>1</sub> = 1999 RO<sub>224</sub>  
 2003 OF<sub>1</sub> = 2001 DO<sub>39</sub>  
 2003 OG<sub>1</sub> = 2001 AR<sub>42</sub>  
 2003 OK<sub>1</sub> = 1993 VN<sub>5</sub>  
 2003 OO<sub>3</sub> = 2002 GA<sub>169</sub>  
 2003 OP<sub>3</sub> = 2002 JY<sub>110</sub>  
 2003 OW<sub>3</sub> = 1999 VV<sub>200</sub>  
 2003 OD<sub>4</sub> = 2000 YA<sub>123</sub>  
 2003 OG<sub>4</sub> = 2001 BH<sub>30</sub>  
 2003 OK<sub>4</sub> = 1999 XC<sub>190</sub>  
 2003 OL<sub>4</sub> = 2001 AF<sub>10</sub> = 2002 GZ<sub>115</sub>  
 2003 OR<sub>4</sub> = 1999 RA<sub>258</sub>  
 2003 OV<sub>4</sub> = 2000 CJ<sub>7</sub>  
 2003 OA<sub>5</sub> = 1999 RD<sub>236</sub>  
 2003 OC<sub>5</sub> = 2002 GW<sub>154</sub>  
 2003 OE<sub>5</sub> = 1996 XN<sub>35</sub>  
 2003 OF<sub>5</sub> = 1999 XN<sub>194</sub>  
 2003 OG<sub>5</sub> = 1999 RY<sub>201</sub>  
 2003 OH<sub>5</sub> = 1994 YH<sub>3</sub>  
 2003 OK<sub>5</sub> = 1998 KE<sub>6</sub>  
 2003 OP<sub>5</sub> = 1999 RL<sub>227</sub>  
 2003 OQ<sub>5</sub> = 1996 TR<sub>26</sub> = 2002 FG<sub>40</sub>  
 2003 OU<sub>5</sub> = 2001 DL<sub>9</sub>  
 2003 OC<sub>6</sub> = 1992 OG<sub>9</sub>  
 2003 OD<sub>6</sub> = 1999 GM<sub>13</sub>  
 2003 OG<sub>6</sub> = 2000 YS<sub>24</sub>  
 2003 OO<sub>6</sub> = 1999 GT<sub>59</sub>  
 2003 OP<sub>6</sub> = 2000 AW<sub>121</sub>  
 2003 OB<sub>7</sub> = 1996 TL<sub>64</sub>  
 2003 OD<sub>7</sub> = 1990 RQ<sub>14</sub> = 2002 EM<sub>23</sub>  
 2003 OR<sub>7</sub> = 1999 SF<sub>17</sub>  
 2003 OU<sub>7</sub> = 2002 CH<sub>226</sub>  
 2003 OE<sub>8</sub> = 1994 RQ<sub>12</sub>  
 2003 OP<sub>8</sub> = 2002 GA<sub>162</sub>  
 2003 OQ<sub>10</sub> = 1998 KV<sub>59</sub>  
 2003 OS<sub>10</sub> = 2000 VE<sub>19</sub> = 2002 CS<sub>260</sub>  
 2003 OW<sub>10</sub> = 1999 LB<sub>35</sub>  
 2003 OB<sub>12</sub> = 1999 VW<sub>218</sub>  
 2003 OP<sub>12</sub> = 1999 TB<sub>185</sub>  
 2003 OH<sub>13</sub> = 2001 CR<sub>5</sub>

2003 OM<sub>13</sub> = 1996 RY<sub>1</sub> = 2000 VC<sub>22</sub>  
 2003 OB<sub>14</sub> = 2000 EK<sub>108</sub> = 2002 LX<sub>59</sub>  
 2003 OH<sub>14</sub> = 1999 NF<sub>51</sub>  
 2003 OP<sub>14</sub> = 2002 GF<sub>132</sub>  
 2003 OX<sub>14</sub> = 1997 MG<sub>12</sub>  
 2003 OA<sub>15</sub> = 2002 LJ<sub>25</sub>  
 2003 OD<sub>15</sub> = 1998 VO<sub>49</sub>  
 2003 OH<sub>15</sub> = 2002 CJ<sub>182</sub>  
 2003 OA<sub>16</sub> = 1998 XH  
 2003 OB<sub>16</sub> = 2000 AS<sub>80</sub>  
 2003 OS<sub>16</sub> = 1995 OS<sub>9</sub> = 1996 RB<sub>21</sub>  
 2003 OB<sub>17</sub> = 1993 SW<sub>11</sub>  
 2003 OE<sub>18</sub> = 1999 TE<sub>109</sub> = 2001 BM<sub>57</sub>  
 2003 OW<sub>18</sub> = 2000 BL = 2001 FY<sub>145</sub>  
 2003 OX<sub>18</sub> = 2000 AO<sub>193</sub>  
 2003 OY<sub>18</sub> = 1997 EZ<sub>7</sub>  
 2003 OS<sub>19</sub> = 1999 RP<sub>220</sub>  
 2003 OE<sub>20</sub> = 1998 RO<sub>37</sub>  
 2003 OU<sub>20</sub> = 1996 VF<sub>37</sub>  
 2003 OW<sub>20</sub> = 2002 CR<sub>270</sub>  
 2003 OZ<sub>20</sub> = 1999 JF<sub>125</sub> = 2002 ED<sub>49</sub>  
 2003 OR<sub>21</sub> = 2001 AC<sub>19</sub>  
 2003 OC<sub>22</sub> = 2001 FY<sub>167</sub>  
 2003 OE<sub>22</sub> = 1981 UB<sub>28</sub> = 2002 JZ<sub>84</sub>  
 2003 OG<sub>22</sub> = 1999 XE<sub>207</sub>  
 2003 OU<sub>24</sub> = 1993 FC<sub>84</sub> = 2002 GZ<sub>151</sub>  
 2003 OJ<sub>26</sub> = 1999 RF<sub>69</sub>  
 2003 OC<sub>27</sub> = 1996 VT<sub>37</sub>  
 2003 OD<sub>27</sub> = 2000 SJ<sub>258</sub>  
 2003 ON<sub>27</sub> = 2002 CU<sub>229</sub>  
 2003 OR<sub>27</sub> = 1994 RO<sub>28</sub>  
 2003 OU<sub>27</sub> = 2002 GH<sub>64</sub>  
 2003 OW<sub>27</sub> = 1998 BW<sub>27</sub>  
 2003 OY<sub>27</sub> = 1999 NM<sub>22</sub>  
 2003 OZ<sub>27</sub> = 1997 AP<sub>8</sub>  
 2003 OA<sub>28</sub> = 2000 TU<sub>36</sub>  
 2003 OB<sub>28</sub> = 2000 HS<sub>5</sub>  
 2003 OE<sub>28</sub> = 1999 RY<sub>219</sub>  
 2003 OW<sub>28</sub> = 2002 EO<sub>137</sub>  
 2003 OZ<sub>28</sub> = 1999 XG<sub>250</sub>  
 2003 OA<sub>29</sub> = 2000 WB<sub>69</sub>  
 2003 OD<sub>29</sub> = 1999 RJ<sub>238</sub>  
 2003 OH<sub>29</sub> = 1999 RD<sub>69</sub>  
 2003 OP<sub>29</sub> = 1998 TM<sub>21</sub>  
 2003 OB<sub>30</sub> = 2002 LY<sub>44</sub>  
 2003 OE<sub>30</sub> = 1998 SP<sub>157</sub>  
 2003 OU<sub>30</sub> = 1994 CV<sub>4</sub>  
 2003 OX<sub>30</sub> = 1999 RH<sub>200</sub>  
 2003 OY<sub>30</sub> = 1999 TZ<sub>101</sub>  
 2003 OG<sub>31</sub> = 2001 DS<sub>57</sub>  
 2003 OK<sub>31</sub> = 1978 NE<sub>7</sub>  
 2003 ON<sub>31</sub> = 1999 NT<sub>35</sub>

2003 PA = 2000 UB<sub>75</sub>  
 2003 PT = 1980 RL<sub>8</sub>  
 2003 PW = 1990 QO<sub>12</sub>  
 2003 PC<sub>1</sub> = 1995 HA<sub>3</sub> = 1998 FJ<sub>9</sub>  
 2003 PP<sub>1</sub> = 2002 EU<sub>119</sub>  
 2003 PF<sub>2</sub> = 1999 JL<sub>136</sub>  
 2003 PS<sub>2</sub> = 1996 XP<sub>24</sub>  
 2003 PW<sub>2</sub> = 1992 SR<sub>22</sub>  
 2003 PK<sub>3</sub> = 1997 EZ<sub>9</sub>  
 2003 PM<sub>3</sub> = 1994 PZ<sub>20</sub>  
 2003 PQ<sub>3</sub> = 2002 GU<sub>151</sub>  
 2003 PR<sub>3</sub> = 2000 XS<sub>11</sub>  
 2003 PD<sub>4</sub> = 1998 HM  
 2003 PE<sub>4</sub> = 1996 TF<sub>41</sub> = 2000 WU<sub>40</sub>  
 2003 PH<sub>4</sub> = 2002 CV<sub>295</sub>  
 2003 PJ<sub>4</sub> = 1999 RC<sub>151</sub>  
 2003 PR<sub>4</sub> = 1999 TY<sub>269</sub>  
 2003 PV<sub>4</sub> = 1989 TM<sub>16</sub> = 1996 RZ<sub>26</sub>  
 2003 PW<sub>4</sub> = 1994 PA<sub>5</sub>  
 2003 PY<sub>4</sub> = 2000 YC<sub>20</sub>  
 2003 PC<sub>5</sub> = 2000 AS<sub>148</sub> = 2001 FH<sub>84</sub>  
 2003 PJ<sub>5</sub> = 2000 US<sub>12</sub>  
 2003 PQ<sub>5</sub> = 1999 HK<sub>7</sub>  
 2003 PS<sub>5</sub> = 2002 JY<sub>92</sub>  
 2003 PT<sub>5</sub> = 2000 AD<sub>82</sub>  
 2003 PB<sub>6</sub> = 1996 TR<sub>45</sub>  
 2003 PE<sub>6</sub> = 1996 TN<sub>23</sub>  
 2003 PF<sub>6</sub> = 2000 TL<sub>34</sub>  
 2003 PM<sub>6</sub> = 2000 AP<sub>150</sub>  
 2003 PN<sub>6</sub> = 1998 BM<sub>13</sub> = 2002 LF<sub>2</sub>  
 2003 PH<sub>7</sub> = 1999 TX<sub>116</sub>  
 2003 PK<sub>7</sub> = 1999 XW<sub>243</sub>  
 2003 PT<sub>7</sub> = 1999 VD<sub>110</sub>  
 2003 PV<sub>7</sub> = 1999 TK<sub>190</sub> = 2002 JV<sub>128</sub>  
 2003 PY<sub>7</sub> = 2001 CJ<sub>24</sub>  
 2003 PZ<sub>7</sub> = 1999 GW<sub>7</sub> = 2001 YH<sub>103</sub>  
 2003 PC<sub>8</sub> = 1999 QJ<sub>3</sub> = 1999 TC<sub>211</sub>  
 2003 PJ<sub>8</sub> = 2002 EA<sub>144</sub>  
 2003 PL<sub>8</sub> = 1994 CB<sub>6</sub> = 1996 XD<sub>10</sub>  
 2003 PP<sub>8</sub> = 2001 AP<sub>14</sub>  
 2003 PE<sub>9</sub> = 2002 GE<sub>173</sub>  
 2003 PQ<sub>9</sub> = 1977 RT<sub>8</sub>  
 2003 PT<sub>9</sub> = 2001 DB<sub>9</sub>  
 2003 PB<sub>11</sub> = 2000 QC<sub>166</sub>  
 2003 PG<sub>11</sub> = 1998 SR<sub>5</sub>  
 2003 PK<sub>11</sub> = 1998 RO<sub>46</sub>  
 2003 PN<sub>11</sub> = 2002 CM<sub>131</sub>  
 2003 PR<sub>11</sub> = 1999 AW<sub>1</sub>  
 2003 PA<sub>12</sub> = 1999 TV<sub>110</sub>  
 2003 QF = 1998 OP<sub>6</sub>  
 2003 QG = 1999 RL<sub>91</sub>  
 2003 QV = 1999 XA<sub>240</sub>

2003 QO<sub>1</sub> = 1995 WV<sub>37</sub>  
 2003 QW<sub>1</sub> = 1999 XM<sub>59</sub>  
 2003 QQ<sub>4</sub> = 1995 ND<sub>1</sub>  
 2003 QO<sub>5</sub> = 1999 TR<sub>271</sub>  
 2003 QW<sub>5</sub> = 2000 XB<sub>33</sub>  
 2003 QF<sub>6</sub> = 1997 AQ<sub>8</sub>  
 2003 QH<sub>6</sub> = 1999 TV<sub>274</sub>  
 2003 QQ<sub>6</sub> = 4164 P-L  
 2003 QW<sub>6</sub> = 1999 TN<sub>289</sub>  
 2003 QT<sub>7</sub> = 1996 XL<sub>11</sub>  
 2003 QE<sub>8</sub> = 2002 LT<sub>28</sub>  
 2003 QZ<sub>9</sub> = 2001 FO<sub>116</sub>  
 2003 QM<sub>10</sub> = 2002 JH<sub>143</sub>  
 2003 QU<sub>10</sub> = 1999 TZ<sub>223</sub>  
 2003 QB<sub>11</sub> = 2000 AX<sub>189</sub>  
 2003 QA<sub>12</sub> = 1999 RR<sub>224</sub> = 1999 RL<sub>258</sub>  
 2003 QK<sub>12</sub> = 1998 GY<sub>10</sub>  
 2003 QN<sub>12</sub> = 2002 GO<sub>130</sub>  
 2003 QO<sub>12</sub> = 1981 UU<sub>28</sub> = 1992 RG<sub>6</sub>  
 2003 QP<sub>12</sub> = 1998 DN<sub>31</sub>  
 2003 QQ<sub>13</sub> = 2002 GN<sub>156</sub>  
 2003 QF<sub>14</sub> = 1998 FU<sub>136</sub>  
 2003 QQ<sub>14</sub> = 1994 RX<sub>10</sub>  
 2003 QU<sub>14</sub> = 2002 LM<sub>33</sub>  
 2003 QD<sub>15</sub> = 1994 AJ<sub>10</sub>  
 2003 QJ<sub>15</sub> = 2000 CS<sub>14</sub>  
 2003 QO<sub>15</sub> = 1998 TY<sub>29</sub>  
 2003 QQ<sub>15</sub> = 2001 DD<sub>78</sub>  
 2003 QT<sub>15</sub> = 2000 WU<sub>156</sub>  
 2003 QW<sub>15</sub> = 2000 WY<sub>82</sub>  
 2003 QN<sub>16</sub> = 1977 RZ<sub>12</sub> = 1998 SB<sub>93</sub> = 2001 FJ<sub>184</sub>  
 2003 QB<sub>18</sub> = 1999 OQ<sub>1</sub>  
 2003 QD<sub>18</sub> = 1996 TY<sub>39</sub>  
 2003 QV<sub>18</sub> = 1999 RK<sub>68</sub>  
 2003 QF<sub>19</sub> = 1998 DN<sub>19</sub>  
 2003 QQ<sub>19</sub> = 1999 TJ<sub>281</sub>  
 2003 QS<sub>20</sub> = 2000 ET<sub>125</sub>  
 2003 QT<sub>20</sub> = 1998 TM<sub>37</sub>  
 2003 QA<sub>21</sub> = 1999 JA<sub>95</sub>  
 2003 QX<sub>21</sub> = 1994 PJ<sub>30</sub>  
 2003 QA<sub>22</sub> = 1997 CT<sub>13</sub> = 1999 TX<sub>267</sub>  
 2003 QG<sub>22</sub> = 2002 GZ<sub>136</sub>  
 2003 QJ<sub>22</sub> = 2000 YY<sub>66</sub>  
 2003 QQ<sub>22</sub> = 1998 SX<sub>160</sub>  
 2003 QJ<sub>23</sub> = 2002 JM<sub>108</sub>  
 2003 QM<sub>23</sub> = 1999 TZ<sub>230</sub>  
 2003 QT<sub>23</sub> = 1999 XM<sub>258</sub>  
 2003 QE<sub>24</sub> = 1999 TV<sub>41</sub>  
 2003 QZ<sub>24</sub> = 1998 VB<sub>54</sub>  
 2003 QC<sub>25</sub> = 2001 BU<sub>51</sub>  
 2003 QE<sub>25</sub> = 2002 EG<sub>100</sub>  
 2003 QF<sub>25</sub> = 2000 WH<sub>185</sub>  
 2003 QY<sub>25</sub> = 1994 NR<sub>7</sub>  
 2003 QA<sub>26</sub> = 1996 XX<sub>33</sub>  
 2003 QD<sub>27</sub> = 2000 WZ<sub>69</sub>  
 2003 QF<sub>28</sub> = 2001 CS<sub>48</sub>  
 2003 QA<sub>29</sub> = 1999 XC<sub>193</sub>  
 2003 QG<sub>30</sub> = 2003 JV<sub>16</sub>  
 2003 QH<sub>30</sub> = 2002 GP<sub>154</sub>  
 2003 QK<sub>30</sub> = 2002 EZ<sub>34</sub>  
 2003 QD<sub>31</sub> = 1996 TJ<sub>43</sub>  
 2003 QP<sub>31</sub> = 1999 TE<sub>320</sub>  
 2003 QY<sub>31</sub> = 1994 RD<sub>27</sub>  
 2003 QM<sub>32</sub> = 1995 SM<sub>28</sub>  
 2003 QR<sub>32</sub> = 2002 CC<sub>270</sub>  
 2003 QS<sub>32</sub> = 1994 PF<sub>3</sub> = 1994 RS<sub>29</sub>  
 2003 QT<sub>32</sub> = 2002 GZ<sub>9</sub>  
 2003 QX<sub>32</sub> = 1995 CF<sub>9</sub>  
 2003 QG<sub>33</sub> = 2002 GC<sub>47</sub>  
 2003 QS<sub>33</sub> = 1999 NM<sub>17</sub>  
 2003 QG<sub>34</sub> = 1993 TU<sub>6</sub>  
 2003 QM<sub>35</sub> = 2000 WZ<sub>77</sub>  
 2003 QA<sub>36</sub> = 1994 PM<sub>22</sub>  
 2003 QJ<sub>36</sub> = 1998 SC<sub>169</sub>  
 2003 QS<sub>36</sub> = 2002 EZ<sub>81</sub>  
 2003 QZ<sub>36</sub> = 1995 FD<sub>12</sub>  
 2003 QH<sub>37</sub> = 1976 KX<sub>2</sub> = 2000 VB<sub>5</sub>  
 2003 QJ<sub>37</sub> = 2002 ES<sub>33</sub>  
 2003 QC<sub>39</sub> = 2002 EM<sub>127</sub>  
 2003 QH<sub>39</sub> = 2002 JQ<sub>96</sub>  
 2003 QT<sub>39</sub> = 1976 JW<sub>4</sub> = 1999 NG<sub>23</sub>  
 2003 QL<sub>40</sub> = 1977 RJ<sub>18</sub> = 2000 WF<sub>8</sub>  
 2003 QN<sub>40</sub> = 2002 GZ<sub>134</sub>  
 2003 QR<sub>40</sub> = 1994 RE<sub>26</sub>  
 2003 QV<sub>40</sub> = 1993 FK<sub>3</sub> = 1999 TH<sub>241</sub>  
 2003 QD<sub>41</sub> = 2002 GB<sub>95</sub>  
 2003 QL<sub>41</sub> = 1978 RE<sub>10</sub> = 1978 RK<sub>16</sub>  
 2003 QK<sub>42</sub> = 1999 YA<sub>25</sub>  
 2003 QH<sub>44</sub> = 2000 AL<sub>191</sub>  
 2003 QM<sub>44</sub> = 1996 TR<sub>65</sub>  
 2003 QS<sub>44</sub> = 1998 BS<sub>37</sub>  
 2003 QU<sub>44</sub> = 1999 VA<sub>215</sub>  
 2003 QE<sub>45</sub> = 2002 EE<sub>34</sub>  
 2003 QZ<sub>45</sub> = 1998 DR<sub>21</sub>  
 2003 QX<sub>46</sub> = 2000 AS<sub>24</sub>  
 2003 QL<sub>47</sub> = 1996 GQ<sub>18</sub>  
 2003 QX<sub>47</sub> = 2000 YD<sub>93</sub>  
 2003 QN<sub>48</sub> = 2000 CS<sub>131</sub>  
 2003 QQ<sub>48</sub> = 2000 YW<sub>110</sub>  
 2003 QR<sub>48</sub> = 2002 JV<sub>145</sub>  
 2003 QV<sub>48</sub> = 1999 LS<sub>20</sub>  
 2003 QG<sub>49</sub> = 2002 CU<sub>206</sub>  
 2003 QH<sub>49</sub> = 1999 RV<sub>69</sub>  
 2003 QR<sub>49</sub> = 2002 ER<sub>119</sub>



2003 QM<sub>51</sub> = 1993 FN<sub>68</sub>  
 2003 QO<sub>51</sub> = 2002 LQ<sub>33</sub>  
 2003 QB<sub>52</sub> = 2002 JR<sub>147</sub>  
 2003 QX<sub>52</sub> = 2000 VT<sub>60</sub>  
 2003 QH<sub>53</sub> = 1999 TN<sub>229</sub>  
 2003 QJ<sub>53</sub> = 2002 GJ<sub>132</sub>  
 2003 QR<sub>53</sub> = 1996 RO<sub>22</sub>  
 2003 QS<sub>53</sub> = 2002 EJ<sub>143</sub>  
 2003 QW<sub>53</sub> = 1999 JN<sub>120</sub>  
 2003 QD<sub>54</sub> = 2000 AS<sub>166</sub>  
 2003 QW<sub>54</sub> = 2002 GS<sub>155</sub>  
 2003 QJ<sub>55</sub> = 2001 DE<sub>91</sub>  
 2003 QR<sub>55</sub> = 1999 TY<sub>249</sub>  
 2003 QZ<sub>55</sub> = 2000 YA<sub>93</sub>  
 2003 QT<sub>56</sub> = 2002 CC<sub>258</sub>  
 2003 QK<sub>57</sub> = 2002 CV<sub>256</sub>  
 2003 QD<sub>58</sub> = 2002 GF<sub>118</sub>  
 2003 QE<sub>59</sub> = 1999 LO<sub>9</sub>  
 2003 QG<sub>59</sub> = 2001 BT<sub>29</sub>  
 2003 QK<sub>60</sub> = 1999 TH<sub>236</sub>  
 2003 QS<sub>60</sub> = 2000 BJ<sub>39</sub>  
 2003 QA<sub>61</sub> = 2001 GG<sub>6</sub>  
 2003 QC<sub>61</sub> = 2000 AO<sub>163</sub>  
 2003 QD<sub>61</sub> = 1997 CR<sub>9</sub> = 1999 TF<sub>289</sub>  
 2003 QE<sub>61</sub> = 1994 RV<sub>19</sub>  
 2003 QJ<sub>61</sub> = 1999 TV<sub>231</sub>  
 2003 QN<sub>61</sub> = 2002 GX<sub>89</sub>  
 2003 QQ<sub>61</sub> = 2000 CN<sub>18</sub>  
 2003 QS<sub>61</sub> = 1999 UT<sub>51</sub>  
 2003 QX<sub>61</sub> = 1978 WF<sub>14</sub> = 1998 HN<sub>2</sub>  
 2003 QR<sub>63</sub> = 1998 XJ<sub>70</sub>  
 2003 QV<sub>63</sub> = 2000 AK<sub>109</sub>  
 2003 QL<sub>64</sub> = 2000 GU<sub>81</sub>  
 2003 QV<sub>64</sub> = 1999 XO<sub>207</sub>  
 2003 QJ<sub>65</sub> = 2000 VO<sub>16</sub>  
 2003 QH<sub>66</sub> = 1999 JE<sub>113</sub> = 2002 EZ<sub>14</sub>  
 2003 QE<sub>67</sub> = 2002 GN<sub>161</sub>  
 2003 QK<sub>68</sub> = 1999 TF<sub>201</sub>  
 2003 QP<sub>68</sub> = 1997 EN<sub>30</sub> = 1998 ML<sub>6</sub>  
 2003 QW<sub>68</sub> = 2001 FP<sub>99</sub>  
 2003 QD<sub>69</sub> = 2001 FA<sub>183</sub>  
 2003 QV<sub>69</sub> = 2002 EV<sub>119</sub>  
 2003 QO<sub>71</sub> = 1999 RD<sub>223</sub>  
 2003 QA<sub>72</sub> = 2002 GH<sub>70</sub>  
 2003 QM<sub>72</sub> = 1998 VS<sub>54</sub>  
 2003 QV<sub>72</sub> = 1998 SZ<sub>121</sub>  
 2003 QB<sub>73</sub> = 2000 ST<sub>158</sub> = 2002 CZ<sub>280</sub>  
 2003 QC<sub>73</sub> = 2832 P-L  
 2003 QM<sub>73</sub> = 2002 EV<sub>120</sub>  
 2003 QQ<sub>73</sub> = 1996 TW<sub>64</sub>  
 2003 QX<sub>73</sub> = 1990 WB<sub>1</sub> = 1994 PD<sub>30</sub> = 1999 TB<sub>284</sub>  
 2003 QZ<sub>73</sub> = 2002 JR<sub>18</sub>

2003 QH<sub>74</sub> = 2000 AC<sub>155</sub>  
 2003 QK<sub>74</sub> = 2000 YA<sub>130</sub>  
 2003 QP<sub>74</sub> = 1993 TX<sub>7</sub>  
 2003 QR<sub>74</sub> = 1999 TJ<sub>269</sub>  
 2003 QA<sub>75</sub> = 2002 GE<sub>25</sub>  
 2003 QT<sub>75</sub> = 2002 GE<sub>116</sub>  
 2003 QZ<sub>75</sub> = 2001 DY<sub>105</sub>  
 2003 QP<sub>77</sub> = 1990 TU<sub>6</sub>  
 2003 QS<sub>77</sub> = 1994 EA<sub>6</sub>  
 2003 QC<sub>78</sub> = 1999 XB<sub>207</sub>  
 2003 QK<sub>79</sub> = 1999 XL<sub>196</sub>  
 2003 QL<sub>79</sub> = 1999 TK<sub>274</sub>  
 2003 QM<sub>79</sub> = 1993 RU<sub>4</sub>  
 2003 QA<sub>80</sub> = 1998 QL<sub>101</sub>  
 2003 QU<sub>81</sub> = 1998 UV<sub>48</sub>  
 2003 QL<sub>88</sub> = 1999 TQ<sub>259</sub>  
 2003 QP<sub>88</sub> = 1998 QV<sub>65</sub>  
 2003 QR<sub>88</sub> = 2001 FU<sub>177</sub>  
 2003 QU<sub>88</sub> = 2002 LW<sub>46</sub>  
 2003 QO<sub>89</sub> = 2002 DX<sub>17</sub>  
 2003 QG<sub>99</sub> = 2002 GG<sub>66</sub>  
 2003 QH<sub>99</sub> = 1999 TB<sub>191</sub>  
 2003 QS<sub>99</sub> = 2002 DA<sub>1</sub>  
 2003 QV<sub>99</sub> = 2002 EB<sub>121</sub>  
 2003 QJ<sub>100</sub> = 1994 PM<sub>40</sub> = 1994 RP<sub>26</sub>  
 2003 QW<sub>100</sub> = 2002 CN<sub>274</sub>  
 2003 QP<sub>102</sub> = 1999 TT<sub>231</sub>  
 2003 QJ<sub>104</sub> = 1998 QT<sub>91</sub>  
 2003 QK<sub>104</sub> = 1999 XJ<sub>35</sub>  
 2003 QN<sub>104</sub> = 2000 KF<sub>68</sub>  
 2003 QF<sub>107</sub> = 1999 KM<sub>1</sub>  
 2804 P-L = 1997 UE<sub>26</sub> = 2002 CM<sub>42</sub>  
 4813 P-L = 2003 EY<sub>18</sub>  
 6277 P-L = 1999 XP<sub>263</sub> = 2003 QO<sub>2</sub>  
 1292 T-2 = 2003 HO<sub>15</sub>  
 1441 T-2 = 2000 GV<sub>33</sub> = 2002 TM<sub>45</sub>  
 2023 T-2 = 1998 TG<sub>37</sub>  
 2402 T-2 = 2003 BC<sub>81</sub>  
 5174 T-2 = 2003 QK<sub>23</sub>  
 2259 T-3 = 2003 OU<sub>19</sub>  
 3774 T-3 = 2003 QV<sub>97</sub>  
 4084 T-3 = 2002 RZ<sub>218</sub>

## NEW NAMES OF MINOR PLANETS

### (5461) Autumn = 1983 HB<sub>1</sub>

Discovered 1983 Apr. 18 by N. G. Thomas at the Lowell Observatory's Anderson Mesa Station.

Autumn Dongxia Thomas, born on 2002 Jan. 15 in Wahun, China, is the discoverer's granddaughter.

**(7370) Krasnogolovets = 1978 SM<sub>5</sub>**

Discovered 1978 Sept. 27 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Mikhail Aleksandrovich Krasnogolovets (b.1960), professor of radioelectronics at Kharkov National Technical University, specializes in the physics of elementary particles, accelerators and lasers. He is known in particular for his work on a high-energy laser for astrophysical research.

**(7845) Mckim = 1996 AC**

Discovered 1996 Jan. 1 by T. Kobayashi at Oizumi.

Richard J. McKim (b.1958) directs the British Astronomical Association's Mars Section. He was BAA secretary (1986–1990) and president (1993–1995). He won the BAA Merlin and Goodacre Medals and compiled the first comprehensive martian dust-storm narrative and catalogue.

**(7899) Joya = 1996 BV<sub>3</sub>**

Discovered 1996 Jan. 30 by T. Kobayashi at Oizumi.

Masanori Joya (1940–1967) was an early member of the Japan Lunar and Planetary Observers Network and played a vital role in its early development. He was the first discoverer in Japan of Jupiter's SEB Disturbance in 1962. He died tragically after losing his way in an unexpectedly heavy snowfall on Mt. Asama.

**(7901) Konnai = 1996 DP**

Discovered 1996 Feb. 19 by T. Kobayashi at Oizumi.

A dentist by profession, Reiichi Konnai (b.1950; former name Horiguchi) is an eagle-eyed observer, and his very accurate and artistic drawings of the planets are well known. He is also a pioneer of high-resolution planetary photography, and he authored a chapter on it in *Planet Guidebook* (Seibundo-Shinkosha, 1981).

**(7976) Pinigin = 1977 QT<sub>2</sub>**

Discovered 1977 Aug. 21 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Gennadij Ivanovich Pinigin (b.1943) is the director of the Nikolaev Astronomical Observatory. A prominent specialist in fundamental astrometry and astronomical instrument-making, he made a valuable contribution to the creation of new types of meridian instruments at the Pulkovo and Nikolaev observatories.

**(8043) Fukuhara = 1994 XE<sub>1</sub>**

Discovered 1994 Dec. 6 by T. Kobayashi at Oizumi.

Naohito Fukuhara (b.1965) is a computer engineer and amateur astronomer. He edits an astronomy news website that has contributed to making astronomical knowledge popular.

**(11001) Andrewulff = 1979 MF**

Discovered 1979 June 16 by H.-E. Schuster at the European Southern Observatory.

German amateur astronomer Andre Wulff (b.1958) has been involved for many years with observing comets and minor planets. He also serves on the board of directors of the Gesellschaft für Volkstümliche Astronomie, being coeditor of its quarterly journal *Der Sternkieker* and responsible for running the society's observatory.

**(11473) Barbaresco = 1982 SC**

Discovered 1982 Sept. 22 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Barbaresco is a beautiful little town in the Langhe region of Piedmont. Together with three surrounding communities, Barbaresco produces one of the most famous red wines in the world.

**(11481) Znannya = 1987 WO<sub>1</sub>**

Discovered 1987 Nov. 22 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

The scientific society Znannya was founded in Kiev in 1948 by Ukrainian astronomer Sergej Konstantinovich Vsekhsvyatskij and other scientists. Znannya propagates knowledge in astronomy, physics, history and other sciences in Ukraine and elsewhere. The name was suggested by K. I. Churyumov.

**(11826) Yurijgromov = 1982 UR<sub>10</sub>**

Discovered 1982 Oct. 25 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Yurij Iosifovich Gromov (b.1933), professor of humanities and social sciences at St. Petersburg University, is a famous master of choreography, who has educated many talented pupils.

**(11921) Mitamasahiro = 1992 UN<sub>3</sub>**

Discovered 1992 Oct. 26 by K. Endate and K. Watanabe at Kitami.

Masahiro Mita (b.1948) is a well-known writer. In 1977 he won the Akutagawa Prize, which is one of the most important prizes in Japan for a novelist.

**(11928) Akimotohiro = 1993 BT<sub>2</sub>**

Discovered 1993 Jan. 23 by K. Endate and K. Watanabe at Kitami.

Hiroyuki Akimoto (b.1967) is editor-in-chief of the Japanese monthly astronomical magazine *Gekkan Tenmon Guide*. He has edited many books on astronomy.

**(11929) Uchino = 1993 BG<sub>3</sub>**

Discovered 1993 Jan. 23 by K. Endate and K. Watanabe at Kitami.

Satoshi Uchino (b.1935), for many years the chief secretary of the Kawasaki Astronomical Association, has greatly contributed to the popularization of astronomy.

**(11947) Kimclijsters = 1993 PK<sub>7</sub>**

Discovered 1993 Aug. 15 by E. W. Elst at Caussols.

Kim Clijsters (b.1983) is a famous Belgian tennis player.

**(11948) Justinehénin = 1993 QQ<sub>4</sub>**

Discovered 1993 Aug. 18 by E. W. Elst at Caussols.

Justine Hénin (b.1982) is a famous Belgian tennis player.

**(11949) Kagayayutaka = 1993 SD<sub>2</sub>**

Discovered 1993 Sept. 19 by K. Endate and K. Watanabe at Kitami.

Yutaka Kagaya (b.1968) is a well-known Japanese space artist who received the Gold Medal in the American Digital Art Contest in 2000.

**(11950) Morellet = 1993 SG<sub>5</sub>**

Discovered 1993 Sept. 19 by E. W. Elst at Caussols.

Abbé André Morellet (1727–1819) left his *Mémoires sur le XVIII<sup>e</sup> siècle et la Révolution* (1821), a precious document about the eighteenth century. Besides several articles for Diderot's *Encyclopédie*, he refuted, in 1770, Galiani's *Dialogues sur le commerce des blés*.

**(11958) Galiani = 1994 EJ<sub>7</sub>**

Discovered 1994 Mar. 9 by E. W. Elst at Caussols.

Abbé Ferdinando Galiani (1728–1787), secretary at the Neapolitan Embassy in Paris from 1759 to 1769, is well known for his witty *Dialogues sur le commerce des*

*blés* (1768), in which he attacked the doctrine of *free market* of the *physiocrates*. He was much esteemed by d'Holbach.

**(11959) Okunokeno = 1994 GG<sub>1</sub>**

Discovered 1994 Apr. 13 by K. Endate and K. Watanabe at Kitami.

Keno Okuno (b. 1932), an amateur astronomer and a member of the Kawasaki Astronomical Association, has greatly contributed to the popularization of astronomy.

**(11964) Prigogine = 1994 PY<sub>17</sub>**

Discovered 1994 Aug. 10 by E. W. Elst at the European Southern Observatory.

Ilya Prigogine (1917–2003) was honored with the 1977 Nobel Prize in chemistry for his work on non-equilibrium thermodynamics. He was born in Moscow but moved to Belgium in 1929, where he studied and worked at the Université Libre de Bruxelles, especially on dissipative structures.

**(11978) Makotomasako = 1995 SS<sub>4</sub>**

Discovered 1995 Sept. 20 by K. Endate and K. Watanabe at Kitami.

Makoto Shima (b. 1923) and his wife Masako Shima (b. 1930) are both experts in the study of meteorites. Makoto published many books on meteorites and cosmic dust, and Masako's specialties are the chemical composition and origin of meteorites, especially the analysis of cosmic-ray-produced nuclides.

**(11987) Yonematsu = 1995 VU<sub>1</sub>**

Discovered 1995 Nov. 15 by K. Endate and K. Watanabe at Kitami.

Yonematsu Shiono (b. 1947) is an investigator of traditional life in Japan and has published many articles and books on it. He also published many books on outdoor life, including astronomical observations.

**(12012) Kitahiroshima = 1996 VH<sub>8</sub>**

Discovered 1996 Nov. 7 by K. Endate and K. Watanabe at Kitami.

Kitahiroshima is a city in Hokkaido in northeastern Japan. The name means "North Hiroshima". Beginning in 1883, farm laborers from Hiroshima in southwestern Japan immigrated there and gave the city its name.

**(12047) Hideomitani = 1997 GX<sub>3</sub>**

Discovered 1997 Apr. 3 by K. Endate and K. Watanabe at Kitami.

In 1975, Hideo Mitani (b. 1946) founded a library of nature photographs, including astronomical photographs. It became the most famous library of its kind in Japan and cultivated many other nature photographers.

**(12111) Ulm = 1998 LU**

Discovered 1998 June 1 by E. W. Elst at the European Southern Observatory.

Ulm is a city in Germany on the banks of the Donau river. Until World War II it was one of the most beautiful cities remaining from the Middle Ages, with a five-ships cathedral and its 161-m tower. In 1879 the famous physicist Albert Einstein was born there.

**(12262) Nishio = 1989 UL**

Discovered 1989 Oct. 21 by K. Endate and K. Watanabe at Kitami.

Tomoaki Nishio (b. 1963) was an editor of *Gekkan Tenmon Guide*, the Japanese monthly astronomical magazine. Currently he is editor-in-chief of a magazine for ceramists.

**(12359) Cajigal = 1993 SN<sub>3</sub>**

Discovered 1993 Sept. 22 by O. A. Naranjo at Mérida.

With his founding in 1831 of the Military Academy of Mathematics, Juan Manuel Cajigal y Odoardo (1803–1856) initiated the study of mathematics and engineering in Venezuela. His installation of the first astronomical telescopes in Caracas was recognized with the establishment of El Observatorio Cajigal there in 1888.

**(13922) Kremenia = 1985 SX<sub>2</sub>**

Discovered 1985 Sept. 19 by N. S. Chernykh and L. I. Chernykh at the Crimean Astrophysical Observatory.

Vasilij Grigorievich Kremen' (b. 1947), a member of the Ukrainian Academy of Sciences and president of the Ukrainian Academy of Pedagogical Sciences, is a scientist of history, philology and pedagogics, as well as a prominent figure in the organization of education and science in Ukraine.

**(15017) Cuppy = 1998 SS<sub>25</sub>**

Discovered 1998 Sept. 22 by the Lowell Observatory Near-Earth Object Search at the Anderson Mesa Station.

William ("Will") Jacob Cuppy (1884–1949) was an American humorist and journalist. A gentle satirist, he is well known for his books *The Decline and Fall of Practically Everybody*, *How to Attract the Wombat*, *How to Become Extinct* and *How to Tell Your Friends from the Apes*. The name was suggested by M. Walter.

**(15727) Ianmorison = 1990 TO<sub>9</sub>**

Discovered 1990 Oct. 10 by L. D. Schmadel and F. Börngen at Tautenburg.

Ian Morison (b. 1943) is a radio astronomer at the University of Manchester's Jodrell Bank Observatory. Being responsible as operations manager for MERLIN and SETI, he lectures at the university and elsewhere, inspiring many people. He is also known as an excellent photographer.

**(16407) Oiunskij = 1985 SV<sub>2</sub>**

Discovered 1985 Sept. 19 by N. S. Chernykh and L. I. Chernykh at the Crimean Astrophysical Observatory.

Platon Alekseevich Sleptsov-Oiunskij (1893–1939) was a prominent Yakut writer, philosopher, scientist and public figure who had an influence on developing the national identity, science, language, literature and spiritual culture in Yakutia.

**(18542) Broglio = 1996 YP<sub>3</sub>**

Discovered 1996 Dec. 29 by A. Testa and F. Manca at Sormano.

Luigi Broglio (1911–2001), aeronautical engineer and dean of the aerospace engineering school of the University of Rome "La Sapienza", conceived and directed the San Marco Project, a cooperative space initiative between Italy and the U.S. The Italian space launch facility San Marco was also completed under his direction.

**(19082) Vikchernov = 1976 QS**

Discovered 1976 Aug. 26 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Viktor Mikhailovich Chernov (1902–1984), a librarian at Zaporozhie in Ukraine, was a prominent astronomer who obtained valuable new results on variable stars, on the dependence of brightness and color of lunar eclipses on solar activity, as well as on transient lunar phenomena.

**(21270) Otokar = 1996 OK**

Discovered 1996 July 19 by J. Tichá and M. Tichý at Kleť.

Otokar Březina, born Václav Jebavý (1868–1929), was a Czech lyric poet and one of the leaders of the symbolist movement. A self-absorbed tone in his first book, *Tajemné dálky* ("Mysterious Distances"), gave way to a hopeful outlook and an interest in nature in his last volume of verse, *Ruce* ("Hands").

**(21290) Vydra = 1996 VR<sub>1</sub>**

Discovered 1996 Nov. 9 by M. Tichý and Z. Moravec at Kleť.

The Vydra river, headstream of the Otava river, is the wild Šumava mountain river with a stony bed that runs through the Povydrí reserve (Vydra Valley).

**(24648) Evpatoria = 1985 SG<sub>2</sub>**

Discovered 1985 Sept. 19 by N. S. Chernykh and L. I. Chernykh at the Crimean Astrophysical Observatory.

Evpatoria (Eupatoria) is one of the oldest towns in the Crimea. Founded in the fifth century B.C. by ancient Greek colonists, Evpatoria is now known as a health resort and cultural center. This minor planet marks the occasion of the 2500th anniversary of the town in 2003.

**(24649) Balaklava = 1985 SG<sub>3</sub>**

Discovered 1985 Sept. 19 by N. S. Chernykh and L. I. Chernykh at the Crimean Astrophysical Observatory.

Balaklava is one of the oldest towns in the Crimea, with a long and interesting history. Located at a picturesque spot on the Crimean coast, it was a favorite site for many famous Russian writers and painters who liked to live and work there and who depicted it in their works. Balaklava is now part of the town of Sebastopol.

**(25240) Qiansanqiang = 1998 UO<sub>8</sub>**

Discovered 1998 Oct. 16 by the Beijing Schmidt CCD Asteroid Program at Xinglong.

Sanqiang Qiang (1913–1992) was a nuclear scientist and member of the Chinese Academy of Sciences. He is one of the founders of China's atomic energy program.

**(27094) Salgari = 1998 UC<sub>23</sub>**

Discovered 1998 Oct. 25 by U. Munari and F. Castellani at Cima Ekar Observatory.

Emilio Salgari, "King of Adventure" (1862–1911), writer of works that nourished the fantasy of many generations, was born in Verona and died in Torino. The father of Sandokan and Black Corsair, he wrote 82 novels and hundreds of short stories, translated into many languages all over the world.

**(27095) Girardiwanda = 1998 UE<sub>23</sub>**

Discovered 1998 Oct. 25 by U. Munari and F. Castellani at Cima Ekar Observatory.

Girardi Wanda (b. 1931) was born in Verona. A poet and journalist, she published eight collections of poems and is represented in four anthologies. As a journalist she published more than 400 articles on culture and history. She won 61 poetry contests and was honored in another 160.

**(29490) Myslbek = 1997 WX**

Discovered 1997 Nov. 19 by P. Pravec at Ondřejov.

Czech sculptor Josef Václav Myslbek (1848–1922) was a representative of realism. His best work is the equestrian statue of St. Wenceslas (Václav), patron saint of the Czech nation, located at the top of Wenceslas Square in Prague.

**(35446) Stáňa = 1998 CK<sub>1</sub>**

Discovered 1998 Feb. 6 by J. Tichá and M. Tichý at Kleť.

Stáňa (Stanislava) Setvákova (b. 1967) is a staff member of the Prague Planetarium and wife of meteorologist Martin Setvák.

**(40444) Palacký = 1999 RV<sub>35</sub>**

Discovered 1999 Sept. 12 by P. Pravec and M. Wolf at Ondřejov.

František Palacký (1798–1876), Czech historian and politician, contributed greatly to the restoration of the Czech national consciousness with his fundamental *History of the Czech Nation*.

**(42377) KLENOT = 2002 EU<sub>2</sub>**

Discovered 2002 Mar. 8 by KLENOT at Kleť.

The name of the KLENOT Project is an abbreviation for the KLEť observatory Near Earth and Other unusual objects observations Team and telescope. The 1.06-m KLENOT Telescope was put into operation in Mar. 2002. The name was suggested by J. Tichá, M. Tichý and M. Kočer, KLENOT staff members.

**(42775) Bianchini = 1998 UO<sub>23</sub>**

Discovered 1998 Oct. 26 by U. Munari and F. Castellani at Cima Ekar Observatory.

Francesco Bianchini (1662–1729), a catholic priest born in Verona, was esteemed by the popes, who assigned him to the project of calendar reform. He built a great sundial in Rome and he was a keen telescopic observer, with observations of the sun, Venus, Mars and Jupiter's satellites.

**(44597) Thoreau = 1999 PW**

Discovered 1999 Aug. 6 by J. Tichá and M. Tichý at Kleť.

Henry David Thoreau (1817–1862) was an essayist and naturalist who took the naturalist beliefs of transcendentalism out of the realm of theory into practice and built himself a rustic cabin on the shores of Walden Pond near Concord, Massachusetts. His memoir of this experience is *Walden, or Life in the Woods*.

**(46280) Hollar = 2001 KD<sub>18</sub>**

Discovered 2001 May 21 by P. Pravec and P. Kušnirák at Ondřejov.

Václav Hollar (1606–1677) was a prominent Czech graphic artist, painter of vedutas, landscapes, images and still life. He also created graphic copies of the works of Italian and Nordic painters. He worked in England and the Netherlands.

**(48794) Stolzová = 1997 TY<sub>8</sub>**

Discovered 1997 Oct. 5 by J. Tichá and M. Tichý at Kleť.

Tereza Stolzová (1834–1902), was a Czech coloratura soprano and soloist for the Teatro la Scala in Milano. She belongs among the greatest singers of Verdi's works in the nineteenth century and created the title role on the European first night of *Aida* in 1872.

**(52604) Thomayer = 1997 TZ<sub>9</sub>**

Discovered 1997 Oct. 5 by P. Pravec at Ondřejov.

Josef Thomayer (1853–1927), Czech professor of internal medicine at the Charles University of Prague, was the founder of Czech internal medicine. His fundamental monograph is *Pathology and Therapy of Internal Diseases*. He was a good writer and even tried a work of fiction.

**(53159) Mysliveček = 1999 CN<sub>3</sub>**

Discovered 1999 Feb. 10 by P. Pravec at Ondřejov.

Josef Mysliveček (1737–1781) was a Czech composer from the period of early classicism. He worked in Italy (*Il divino Boemo*) beginning in 1763. He composed orchestral works, oratorios and operas.

**(53285) Mojmír = 1999 FM<sub>53</sub>**

Discovered 1999 Mar. 24 at Ondřejov.

Mojmír, a Moravian prince, was the first sufficiently well-known ruler of the Great Moravian Empire. He ruled from A.D. 830 through 845 or 846. He promoted Christianity in his empire, trying to attach Moravia to Western Europe.

**(55874) Brlka = 1997 UL<sub>9</sub>**

Discovered 1997 Oct. 28 by P. Pravec at Ondřejov.

Petr Brlka (1945–1966), a Czech amateur astronomer, was a member since 1959 and from 1963 the chairman of the Meteor Observers Group in Brno. A student of mathematics and physics in Brno University, he died in an avalanche in the Vysoké Tatry Mountains in Slovakia.

**(64553) Segorbe = 2001 WR<sub>15</sub>**

Discovered 2001 Nov. 24 by R. Ferrando at Pla D'Arguines.

Segorbe, the principal town in the High Palancia region, goes back to the Bronze Age. It has remained inhabited without interruption since then. Segorbe stands out because of its important artistic and environmental patrimony. An Episcopal and ducal see, it is one of the most active cultural centers in the Valencian community.

**EPHEMERIDES**

| <b>C/2002 CE<sub>10</sub> (LINEAR)</b> |    |                 |                 |          | Elements <i>MPC</i> 49591 |            |        |       |       |
|----------------------------------------|----|-----------------|-----------------|----------|---------------------------|------------|--------|-------|-------|
| Date                                   | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$                       | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
| 2003 09 08                             |    | 22 29.67        | +12 55.6        | 1.236    | 2.207                     | 159.3      | 9.3    | 15.8  |       |
| 2003 09 18                             |    | 21 48.43        | +03 55.3        | 1.314    | 2.248                     | 151.4      | 12.4   | 16.1  |       |
| 2003 09 28                             |    | 21 16.65        | −03 48.8        | 1.474    | 2.293                     | 134.8      | 18.1   | 16.6  |       |
| 2003 10 08                             |    | 20 54.33        | −09 42.0        | 1.691    | 2.341                     | 118.7      | 22.0   | 17.1  |       |
| 2003 10 18                             |    | 20 39.75        | −13 58.1        | 1.940    | 2.392                     | 104.5      | 23.8   | 17.5  |       |
| 2003 10 28                             |    | 20 31.05        | −17 02.6        | 2.205    | 2.446                     | 91.8       | 24.0   | 17.8  |       |
| 2003 11 07                             |    | 20 26.70        | −19 17.2        | 2.473    | 2.503                     | 80.2       | 23.0   | 18.1  |       |
| 2003 11 17                             |    | 20 25.52        | −20 57.3        | 2.734    | 2.561                     | 69.5       | 21.2   | 18.3  |       |
| 2003 11 27                             |    | 20 26.67        | −22 13.3        | 2.983    | 2.622                     | 59.4       | 18.9   | 18.4  |       |
| 2003 12 07                             |    | 20 29.55        | −23 12.4        | 3.213    | 2.684                     | 49.7       | 16.3   | 18.6  |       |
| 2003 12 17                             |    | 20 33.68        | −23 59.6        | 3.421    | 2.748                     | 40.4       | 13.4   | 18.6  |       |
| 2003 12 27                             |    | 20 38.70        | −24 38.5        | 3.604    | 2.813                     | 31.5       | 10.5   | 18.7  |       |

| <b>P/2003 QX<sub>29</sub> (NEAT)</b> |    |                 |                 |          | Elements <i>MPC</i> 49592 |            |        |       |       |
|--------------------------------------|----|-----------------|-----------------|----------|---------------------------|------------|--------|-------|-------|
| Date                                 | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$                       | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
| 2003 09 08                           |    | 22 31.79        | +06 05.9        | 3.617    | 4.599                     | 165.5      | 3.2    | 17.9  | 19.4  |
| 2003 09 18                           |    | 22 27.49        | +05 36.0        | 3.660    | 4.619                     | 160.2      | 4.2    | 18.0  | 19.5  |
| 2003 09 28                           |    | 22 23.88        | +05 03.5        | 3.732    | 4.639                     | 151.8      | 5.9    | 18.0  | 19.7  |
| 2003 10 08                           |    | 22 21.27        | +04 31.1        | 3.829    | 4.660                     | 142.3      | 7.5    | 18.1  | 19.8  |
| 2003 10 18                           |    | 22 19.84        | +04 01.4        | 3.948    | 4.681                     | 132.7      | 9.0    | 18.2  | 19.9  |
| 2003 10 28                           |    | 22 19.70        | +03 36.5        | 4.087    | 4.703                     | 123.0      | 10.2   | 18.3  | 20.1  |
| 2003 11 07                           |    | 22 20.89        | +03 17.8        | 4.241    | 4.725                     | 113.5      | 11.1   | 18.4  | 20.2  |
| 2003 11 17                           |    | 22 23.35        | +03 06.3        | 4.406    | 4.747                     | 104.3      | 11.6   | 18.5  | 20.3  |
| 2003 11 27                           |    | 22 27.01        | +03 02.6        | 4.578    | 4.770                     | 95.3       | 11.9   | 18.6  | 20.4  |
| 2003 12 07                           |    | 22 31.75        | +03 06.8        | 4.753    | 4.794                     | 86.5       | 11.8   | 18.7  | 20.5  |
| 2003 12 17                           |    | 22 37.45        | +03 18.8        | 4.927    | 4.818                     | 77.9       | 11.5   | 18.8  | 20.6  |
| 2003 12 27                           |    | 22 43.97        | +03 38.1        | 5.098    | 4.842                     | 69.5       | 11.0   | 18.9  | 20.6  |
| 2004 01 06                           |    | 22 51.20        | +04 04.3        | 5.261    | 4.866                     | 61.3       | 10.2   | 19.0  | 20.7  |
| 2004 01 16                           |    | 22 58.99        | +04 36.8        | 5.414    | 4.891                     | 53.3       | 9.3    | 19.1  | 20.7  |
| 2004 01 26                           |    | 23 07.26        | +05 14.9        | 5.556    | 4.916                     | 45.5       | 8.2    | 19.1  | 20.8  |
| 2004 02 05                           |    | 23 15.88        | +05 57.9        | 5.682    | 4.942                     | 37.9       | 7.0    | 19.2  | 20.8  |
| 2004 02 15                           |    | 23 24.76        | +06 45.1        | 5.793    | 4.967                     | 30.5       | 5.8    | 19.3  | 20.8  |

| <b>C/2002 VQ<sub>94</sub> (LINEAR)</b> |    |                 |                 |          | Elements <i>MPC</i> 49591 |            |        |       |       |
|----------------------------------------|----|-----------------|-----------------|----------|---------------------------|------------|--------|-------|-------|
| Date                                   | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$                       | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
| 2003 09 08                             |    | 02 49.35        | +59 37.6        | 8.548    | 8.795                     | 101.0      | 6.5    | 19.4  |       |
| 2003 09 18                             |    | 02 44.78        | +60 37.4        | 8.395    | 8.757                     | 107.9      | 6.3    | 19.3  |       |

|            |          |          |       |       |       |     |      |  |  |
|------------|----------|----------|-------|-------|-------|-----|------|--|--|
| 2003 09 28 | 02 38.54 | +61 30.9 | 8.255 | 8.719 | 114.5 | 6.0 | 19.3 |  |  |
| 2003 10 08 | 02 30.72 | +62 16.0 | 8.130 | 8.681 | 120.5 | 5.7 | 19.2 |  |  |
| 2003 10 18 | 02 21.54 | +62 50.9 | 8.024 | 8.643 | 125.7 | 5.4 | 19.1 |  |  |
| 2003 10 28 | 02 11.40 | +63 14.1 | 7.937 | 8.606 | 129.6 | 5.1 | 19.1 |  |  |
| 2003 11 07 | 02 00.84 | +63 24.9 | 7.874 | 8.568 | 132.0 | 4.9 | 19.1 |  |  |
| 2003 11 17 | 01 50.45 | +63 23.4 | 7.833 | 8.531 | 132.5 | 4.9 | 19.0 |  |  |
| 2003 11 27 | 01 40.82 | +63 11.0 | 7.815 | 8.495 | 131.0 | 5.0 | 19.0 |  |  |
| 2003 12 07 | 01 32.46 | +62 49.7 | 7.819 | 8.458 | 127.7 | 5.3 | 19.0 |  |  |
| 2003 12 17 | 01 25.70 | +62 22.2 | 7.844 | 8.422 | 123.1 | 5.6 | 19.1 |  |  |
| 2003 12 27 | 01 20.75 | +61 51.5 | 7.886 | 8.386 | 117.5 | 6.0 | 19.1 |  |  |
| 2004 01 06 | 01 17.65 | +61 20.5 | 7.944 | 8.350 | 111.2 | 6.3 | 19.1 |  |  |
| 2004 01 16 | 01 16.33 | +60 51.6 | 8.013 | 8.315 | 104.6 | 6.6 | 19.1 |  |  |
| 2004 01 26 | 01 16.70 | +60 26.9 | 8.089 | 8.279 | 97.7  | 6.8 | 19.1 |  |  |
| 2004 02 05 | 01 18.59 | +60 08.1 | 8.170 | 8.244 | 90.9  | 6.9 | 19.2 |  |  |
| 2004 02 15 | 01 21.83 | +59 56.1 | 8.251 | 8.210 | 84.2  | 6.9 | 19.2 |  |  |
| 2004 02 25 | 01 26.27 | +59 51.8 | 8.330 | 8.175 | 77.6  | 6.8 | 19.2 |  |  |
| 2004 03 06 | 01 31.75 | +59 55.4 | 8.402 | 8.141 | 71.5  | 6.6 | 19.2 |  |  |
| 2004 03 16 | 01 38.13 | +60 06.9 | 8.466 | 8.107 | 65.7  | 6.4 | 19.2 |  |  |
| 2004 03 26 | 01 45.30 | +60 26.4 | 8.519 | 8.074 | 60.4  | 6.2 | 19.2 |  |  |
| 2004 04 05 | 01 53.16 | +60 53.5 | 8.560 | 8.040 | 55.8  | 5.9 | 19.2 |  |  |
| 2004 04 15 | 02 01.60 | +61 27.8 | 8.587 | 8.007 | 51.9  | 5.7 | 19.1 |  |  |
| 2004 04 25 | 02 10.56 | +62 09.0 | 8.599 | 7.975 | 48.9  | 5.5 | 19.1 |  |  |

**P/2003 O3 (LINEAR)**

|            |    |                 |                 |          | Elements <i>MPC</i> 49592 |            |        |       |       |
|------------|----|-----------------|-----------------|----------|---------------------------|------------|--------|-------|-------|
| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$                       | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
| 2003 09 08 |    | 02 56.26        | +25 58.5        | 0.469    | 1.281                     | 115.4      | 45.3   | 17.4  |       |
| 2003 09 18 |    | 03 08.56        | +30 03.5        | 0.474    | 1.313                     | 120.9      | 41.1   | 17.6  |       |
| 2003 09 28 |    | 03 14.17        | +33 19.4        | 0.484    | 1.354                     | 127.8      | 35.8   | 17.7  |       |
| 2003 10 08 |    | 03 12.94        | +35 40.4        | 0.500    | 1.403                     | 135.9      | 29.7   | 18.0  |       |
| 2003 10 18 |    | 03 05.92        | +37 01.2        | 0.525    | 1.457                     | 144.8      | 23.2   | 18.2  |       |
| 2003 10 28 |    | 02 55.34        | +37 19.6        | 0.562    | 1.517                     | 153.3      | 17.1   | 18.6  |       |
| 2003 11 07 |    | 02 44.34        | +36 43.7        | 0.615    | 1.581                     | 159.3      | 12.8   | 18.9  |       |
| 2003 11 17 |    | 02 35.63        | +35 31.7        | 0.685    | 1.648                     | 159.8      | 12.0   | 19.3  |       |
| 2003 11 27 |    | 02 30.69        | +34 04.1        | 0.773    | 1.718                     | 154.7      | 14.2   | 19.8  |       |
| 2003 12 07 |    | 02 29.96        | +32 38.7        | 0.880    | 1.789                     | 147.1      | 17.4   | 20.2  |       |
| 2003 12 17 |    | 02 33.06        | +31 25.6        | 1.004    | 1.861                     | 138.8      | 20.4   | 20.7  |       |
| 2003 12 27 |    | 02 39.34        | +30 28.9        | 1.143    | 1.933                     | 130.6      | 22.7   | 21.2  |       |
| 2004 01 06 |    | 02 48.23        | +29 49.0        | 1.297    | 2.006                     | 122.7      | 24.4   | 21.6  |       |

**C/2003 R1 (LINEAR)**

|            |    |                 |                 |          | Elements <i>MPC</i> 49592 |            |        |       |       |
|------------|----|-----------------|-----------------|----------|---------------------------|------------|--------|-------|-------|
| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$                       | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
| 2003 09 08 |    | 03 09.05        | −02 41.7        | 1.599    | 2.265                     | 118.9      | 22.9   | 18.9  |       |
| 2003 09 18 |    | 02 30.73        | −05 06.0        | 1.461    | 2.303                     | 137.4      | 17.2   | 18.5  |       |
| 2003 09 28 |    | 01 43.27        | −07 38.4        | 1.394    | 2.346                     | 156.3      | 9.9    | 18.2  |       |
| 2003 10 08 |    | 00 52.05        | −09 44.2        | 1.416    | 2.394                     | 164.6      | 6.3    | 18.1  |       |
| 2003 10 18 |    | 00 04.94        | −10 57.6        | 1.527    | 2.446                     | 150.8      | 11.5   | 18.6  |       |
| 2003 10 28 |    | 23 27.21        | −11 19.8        | 1.711    | 2.501                     | 133.5      | 16.8   | 19.1  |       |
| 2003 11 07 |    | 22 59.76        | −11 07.3        | 1.945    | 2.560                     | 117.7      | 20.1   | 19.5  |       |
| 2003 11 17 |    | 22 40.95        | −10 35.4        | 2.207    | 2.622                     | 103.6      | 21.5   | 19.9  |       |
| 2003 11 27 |    | 22 28.68        | −09 53.2        | 2.482    | 2.687                     | 91.0       | 21.5   | 20.2  |       |
| 2003 12 07 |    | 22 21.18        | −09 05.2        | 2.759    | 2.754                     | 79.4       | 20.6   | 20.4  |       |
| 2003 12 17 |    | 22 17.09        | −08 13.8        | 3.029    | 2.823                     | 68.6       | 18.9   | 20.6  |       |
| 2003 12 27 |    | 22 15.44        | −07 20.0        | 3.286    | 2.895                     | 58.4       | 16.8   | 20.8  |       |

|            |          |          |       |       |      |      |      |
|------------|----------|----------|-------|-------|------|------|------|
| 2004 01 06 | 22 15.53 | −06 24.2 | 3.524 | 2.968 | 48.6 | 14.4 | 20.9 |
| 2004 01 16 | 22 16.85 | −05 26.7 | 3.740 | 3.042 | 39.2 | 11.8 | 21.0 |
| 2004 01 26 | 22 19.00 | −04 27.7 | 3.930 | 3.118 | 30.1 | 9.1  | 21.1 |

**P/2003 O2 (LINEAR)**Elements *MPC* 49592

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 09 08 |    | 03 30.04        | +33 36.8        | 0.876    | 1.506 | 105.9      | 40.1   | 16.0  |       |
| 2003 09 18 |    | 03 51.27        | +38 00.7        | 0.840    | 1.512 | 109.7      | 38.7   | 15.9  |       |
| 2003 09 28 |    | 04 09.98        | +42 04.9        | 0.812    | 1.526 | 114.1      | 36.8   | 15.9  |       |
| 2003 10 08 |    | 04 24.90        | +45 43.8        | 0.792    | 1.548 | 119.2      | 34.3   | 15.9  |       |
| 2003 10 18 |    | 04 34.78        | +48 51.8        | 0.780    | 1.578 | 124.8      | 31.2   | 15.9  |       |
| 2003 10 28 |    | 04 38.51        | +51 21.5        | 0.778    | 1.614 | 130.9      | 27.7   | 16.0  |       |
| 2003 11 07 |    | 04 35.94        | +53 03.1        | 0.786    | 1.657 | 137.3      | 24.0   | 16.2  |       |
| 2003 11 17 |    | 04 28.35        | +53 48.4        | 0.807    | 1.704 | 143.1      | 20.4   | 16.3  |       |
| 2003 11 27 |    | 04 18.37        | +53 34.1        | 0.843    | 1.757 | 147.4      | 17.6   | 16.6  |       |
| 2003 12 07 |    | 04 09.31        | +52 27.0        | 0.896    | 1.813 | 149.0      | 16.3   | 16.8  |       |
| 2003 12 17 |    | 04 03.56        | +50 43.0        | 0.968    | 1.873 | 147.2      | 16.5   | 17.2  |       |
| 2003 12 27 |    | 04 02.13        | +48 40.3        | 1.058    | 1.935 | 142.8      | 17.9   | 17.5  |       |
| 2004 01 06 |    | 04 05.02        | +46 34.5        | 1.167    | 2.000 | 136.7      | 19.7   | 17.8  |       |

**C/2001 Q4 (NEAT)**Elements *MPC* 49591

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 09 08 |    | 04 33.13        | −53 27.9        | 3.355    | 3.658 | 99.4       | 15.8   | 11.8  |       |
| 2003 09 18 |    | 04 37.84        | −57 19.1        | 3.230    | 3.548 | 100.2      | 16.2   | 11.5  |       |
| 2003 09 28 |    | 04 39.90        | −61 20.7        | 3.123    | 3.437 | 99.7       | 16.7   | 11.3  |       |
| 2003 10 08 |    | 04 37.99        | −65 25.5        | 3.034    | 3.325 | 98.1       | 17.3   | 11.1  |       |
| 2003 10 18 |    | 04 30.02        | −69 24.7        | 2.962    | 3.212 | 95.3       | 18.0   | 10.9  |       |
| 2003 10 28 |    | 04 12.6         | −73 06.8        | 2.905    | 3.097 | 91.6       | 18.7   | 10.7  |       |
| 2003 11 07 |    | 03 40.9         | −76 15.8        | 2.860    | 2.982 | 87.3       | 19.4   | 10.5  |       |
| 2003 11 17 |    | 02 50.3         | −78 30.6        | 2.821    | 2.865 | 82.5       | 20.0   | 10.3  |       |
| 2003 11 27 |    | 01 44.4         | −79 28.7        | 2.785    | 2.747 | 77.6       | 20.5   | 10.1  |       |
| 2003 12 07 |    | 00 40.3         | −79 05.9        | 2.747    | 2.628 | 72.7       | 21.0   | 9.9   |       |
| 2003 12 17 |    | 23 53.3         | −77 45.1        | 2.703    | 2.508 | 68.1       | 21.4   | 9.7   |       |
| 2003 12 27 |    | 23 24.9         | −75 55.5        | 2.649    | 2.387 | 64.0       | 21.7   | 9.4   |       |
| 2004 01 06 |    | 23 10.3         | −73 57.7        | 2.580    | 2.265 | 60.6       | 22.2   | 9.1   |       |
| 2004 01 16 |    | 23 04.8         | −72 02.9        | 2.495    | 2.142 | 57.9       | 22.9   | 8.8   |       |
| 2004 01 26 |    | 23 05.5         | −70 17.3        | 2.390    | 2.018 | 56.3       | 24.0   | 8.4   |       |
| 2004 02 05 |    | 23 10.52        | −68 44.6        | 2.264    | 1.894 | 55.8       | 25.5   | 8.0   |       |
| 2004 02 15 |    | 23 19.06        | −67 27.2        | 2.115    | 1.770 | 56.3       | 27.7   | 7.6   |       |
| 2004 02 25 |    | 23 30.81        | −66 27.5        | 1.942    | 1.647 | 58.0       | 30.6   | 7.1   |       |
| 2004 03 06 |    | 23 46.08        | −65 47.9        | 1.746    | 1.526 | 60.5       | 34.5   | 6.5   |       |
| 2004 03 16 |    | 00 06.14        | −65 30.4        | 1.526    | 1.408 | 63.9       | 39.4   | 5.9   |       |

**C/2003 G1 (LINEAR)**Elements *MPC* 49276

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 08 |    | 17 04.54        | +12 14.5        | 5.613    | 5.271 | 65.1       | 9.9    | 16.0  |       |
| 2003 10 18 |    | 17 10.54        | +12 14.0        | 5.743    | 5.299 | 59.0       | 9.3    | 16.0  |       |
| 2003 10 28 |    | 17 17.24        | +12 17.8        | 5.860    | 5.328 | 53.4       | 8.6    | 16.1  |       |
| 2003 11 07 |    | 17 24.55        | +12 27.0        | 5.965    | 5.357 | 48.4       | 7.9    | 16.2  |       |
| 2003 11 17 |    | 17 32.33        | +12 42.4        | 6.054    | 5.388 | 44.1       | 7.3    | 16.2  |       |
| 2003 11 27 |    | 17 40.49        | +13 04.8        | 6.128    | 5.420 | 40.8       | 6.8    | 16.3  |       |
| 2003 12 07 |    | 17 48.93        | +13 34.8        | 6.186    | 5.452 | 38.7       | 6.5    | 16.3  |       |
| 2003 12 17 |    | 17 57.52        | +14 13.0        | 6.228    | 5.485 | 37.9       | 6.3    | 16.4  |       |
| 2003 12 27 |    | 18 06.18        | +14 59.8        | 6.254    | 5.519 | 38.5       | 6.4    | 16.4  |       |

|            |          |          |       |       |       |     |      |
|------------|----------|----------|-------|-------|-------|-----|------|
| 2004 01 06 | 18 14.78 | +15 55.4 | 6.265 | 5.553 | 40.4  | 6.6 | 16.4 |
| 2004 01 16 | 18 23.23 | +16 59.9 | 6.262 | 5.589 | 43.4  | 7.0 | 16.5 |
| 2004 01 26 | 18 31.42 | +18 13.4 | 6.246 | 5.625 | 47.3  | 7.4 | 16.5 |
| 2004 02 05 | 18 39.23 | +19 35.6 | 6.218 | 5.662 | 51.8  | 7.9 | 16.5 |
| 2004 02 15 | 18 46.55 | +21 06.2 | 6.180 | 5.699 | 56.8  | 8.3 | 16.5 |
| 2004 02 25 | 18 53.28 | +22 44.6 | 6.135 | 5.737 | 62.0  | 8.8 | 16.5 |
| 2004 03 06 | 18 59.29 | +24 29.8 | 6.084 | 5.776 | 67.4  | 9.1 | 16.5 |
| 2004 03 16 | 19 04.47 | +26 21.0 | 6.030 | 5.815 | 72.9  | 9.4 | 16.5 |
| 2004 03 26 | 19 08.71 | +28 16.7 | 5.974 | 5.855 | 78.4  | 9.6 | 16.6 |
| 2004 04 05 | 19 11.89 | +30 15.2 | 5.921 | 5.896 | 83.7  | 9.7 | 16.6 |
| 2004 04 15 | 19 13.93 | +32 14.6 | 5.870 | 5.937 | 88.9  | 9.7 | 16.6 |
| 2004 04 25 | 19 14.72 | +34 12.6 | 5.826 | 5.979 | 93.9  | 9.7 | 16.6 |
| 2004 05 05 | 19 14.22 | +36 06.6 | 5.789 | 6.021 | 98.5  | 9.5 | 16.6 |
| 2004 05 15 | 19 12.41 | +37 54.1 | 5.762 | 6.064 | 102.6 | 9.4 | 16.6 |
| 2004 05 25 | 19 09.33 | +39 32.2 | 5.746 | 6.107 | 106.2 | 9.2 | 16.7 |
| 2004 06 04 | 19 05.10 | +40 58.2 | 5.743 | 6.151 | 109.2 | 9.0 | 16.7 |
| 2004 06 14 | 18 59.91 | +42 10.0 | 5.752 | 6.195 | 111.4 | 8.8 | 16.7 |
| 2004 06 24 | 18 54.03 | +43 05.7 | 5.775 | 6.240 | 112.8 | 8.6 | 16.8 |
| 2004 07 04 | 18 47.81 | +43 44.4 | 5.812 | 6.285 | 113.4 | 8.5 | 16.8 |
| 2004 07 14 | 18 41.60 | +44 05.9 | 5.862 | 6.330 | 113.1 | 8.5 | 16.9 |
| 2004 07 24 | 18 35.79 | +44 11.1 | 5.924 | 6.376 | 112.1 | 8.5 | 16.9 |
| 2004 08 03 | 18 30.72 | +44 01.5 | 5.999 | 6.423 | 110.4 | 8.5 | 17.0 |
| 2004 08 13 | 18 26.65 | +43 39.3 | 6.084 | 6.469 | 108.0 | 8.6 | 17.0 |
| 2004 08 23 | 18 23.78 | +43 07.1 | 6.178 | 6.516 | 105.2 | 8.6 | 17.1 |
| 2004 09 02 | 18 22.22 | +42 27.6 | 6.280 | 6.564 | 101.9 | 8.6 | 17.2 |
| 2004 09 12 | 18 21.99 | +41 43.5 | 6.389 | 6.612 | 98.4  | 8.7 | 17.2 |
| 2004 09 22 | 18 23.08 | +40 57.4 | 6.502 | 6.660 | 94.7  | 8.6 | 17.3 |
| 2004 10 02 | 18 25.42 | +40 11.6 | 6.619 | 6.708 | 90.8  | 8.6 | 17.4 |
| 2004 10 12 | 18 28.92 | +39 28.2 | 6.737 | 6.757 | 86.9  | 8.5 | 17.4 |
| 2004 10 22 | 18 33.48 | +38 48.9 | 6.855 | 6.806 | 83.0  | 8.3 | 17.5 |
| 2004 11 01 | 18 38.96 | +38 15.2 | 6.972 | 6.855 | 79.2  | 8.2 | 17.6 |
| 2004 11 11 | 18 45.25 | +37 48.2 | 7.085 | 6.905 | 75.5  | 8.0 | 17.6 |
| 2004 11 21 | 18 52.23 | +37 28.9 | 7.195 | 6.955 | 72.1  | 7.8 | 17.7 |
| 2004 12 01 | 18 59.76 | +37 18.0 | 7.299 | 7.005 | 68.9  | 7.5 | 17.8 |
| 2004 12 11 | 19 07.73 | +37 15.9 | 7.397 | 7.055 | 66.0  | 7.3 | 17.8 |
| 2004 12 21 | 19 16.03 | +37 23.0 | 7.489 | 7.106 | 63.6  | 7.1 | 17.9 |
| 2004 12 31 | 19 24.53 | +37 39.4 | 7.572 | 7.156 | 61.6  | 6.9 | 17.9 |

**117P/Helin-Roman-Alu**Elements *MPC* 45658

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 08 |    | 11 15.51        | +12 36.3        | 5.278    | 4.443 | 30.2       | 6.5    | 19.1  | 21.3  |
| 2003 10 18 |    | 11 24.75        | +11 44.3        | 5.172    | 4.424 | 37.5       | 7.9    | 19.0  | 21.4  |
| 2003 10 28 |    | 11 33.65        | +10 55.5        | 5.051    | 4.404 | 45.0       | 9.2    | 18.9  | 21.4  |
| 2003 11 07 |    | 11 42.11        | +10 10.7        | 4.914    | 4.384 | 52.7       | 10.4   | 18.8  | 21.3  |
| 2003 11 17 |    | 11 50.04        | +09 30.7        | 4.765    | 4.364 | 60.5       | 11.4   | 18.7  | 21.3  |
| 2003 11 27 |    | 11 57.32        | +08 56.6        | 4.605    | 4.344 | 68.7       | 12.2   | 18.6  | 21.2  |
| 2003 12 07 |    | 12 03.81        | +08 29.2        | 4.437    | 4.324 | 77.1       | 12.8   | 18.5  | 21.2  |
| 2003 12 17 |    | 12 09.37        | +08 09.4        | 4.264    | 4.304 | 85.7       | 13.2   | 18.3  | 21.1  |
| 2003 12 27 |    | 12 13.85        | +07 58.1        | 4.089    | 4.283 | 94.7       | 13.2   | 18.2  | 21.0  |
| 2004 01 06 |    | 12 17.09        | +07 55.9        | 3.916    | 4.262 | 104.0      | 12.9   | 18.1  | 20.9  |
| 2004 01 16 |    | 12 18.94        | +08 03.2        | 3.749    | 4.241 | 113.7      | 12.3   | 17.9  | 20.7  |
| 2004 01 26 |    | 12 19.28        | +08 20.0        | 3.594    | 4.220 | 123.7      | 11.2   | 17.8  | 20.6  |
| 2004 02 05 |    | 12 18.04        | +08 45.7        | 3.454    | 4.199 | 134.0      | 9.7    | 17.7  | 20.4  |

|            |          |          |       |       |       |      |      |      |
|------------|----------|----------|-------|-------|-------|------|------|------|
| 2004 02 15 | 12 15.25 | +09 18.7 | 3.334 | 4.178 | 144.5 | 7.9  | 17.5 | 20.3 |
| 2004 02 25 | 12 11.03 | +09 56.8 | 3.238 | 4.156 | 155.1 | 5.8  | 17.4 | 20.1 |
| 2004 03 06 | 12 05.66 | +10 36.8 | 3.169 | 4.134 | 164.7 | 3.6  | 17.3 | 19.9 |
| 2004 03 16 | 11 59.52 | +11 15.2 | 3.130 | 4.113 | 169.7 | 2.5  | 17.3 | 19.8 |
| 2004 03 26 | 11 53.11 | +11 48.3 | 3.121 | 4.091 | 164.4 | 3.8  | 17.2 | 19.9 |
| 2004 04 05 | 11 46.97 | +12 13.0 | 3.142 | 4.069 | 154.7 | 6.0  | 17.2 | 20.0 |
| 2004 04 15 | 11 41.58 | +12 27.3 | 3.189 | 4.047 | 144.3 | 8.3  | 17.2 | 20.1 |
| 2004 04 25 | 11 37.34 | +12 30.0 | 3.260 | 4.025 | 134.0 | 10.4 | 17.2 | 20.3 |
| 2004 05 05 | 11 34.52 | +12 20.9 | 3.350 | 4.002 | 124.0 | 12.1 | 17.2 | 20.4 |
| 2004 05 15 | 11 33.27 | +12 00.6 | 3.455 | 3.980 | 114.4 | 13.4 | 17.2 | 20.5 |
| 2004 05 25 | 11 33.60 | +11 30.2 | 3.570 | 3.958 | 105.1 | 14.3 | 17.2 | 20.6 |
| 2004 06 04 | 11 35.46 | +10 50.6 | 3.692 | 3.935 | 96.3  | 14.8 | 17.2 | 20.6 |
| 2004 06 14 | 11 38.75 | +10 03.1 | 3.816 | 3.913 | 87.9  | 15.0 | 17.3 | 20.7 |
| 2004 06 24 | 11 43.35 | +09 08.7 | 3.939 | 3.890 | 79.8  | 14.9 | 17.3 | 20.8 |
| 2004 07 04 | 11 49.10 | +08 08.4 | 4.058 | 3.868 | 72.1  | 14.5 | 17.3 | 20.8 |
| 2004 07 14 | 11 55.88 | +07 03.0 | 4.171 | 3.845 | 64.6  | 13.8 | 17.3 | 20.8 |
| 2004 07 24 | 12 03.56 | +05 53.3 | 4.275 | 3.822 | 57.3  | 12.9 | 17.3 | 20.8 |
| 2004 08 03 | 12 12.03 | +04 40.1 | 4.369 | 3.800 | 50.2  | 11.8 | 17.3 | 20.8 |
| 2004 08 13 | 12 21.19 | +03 24.0 | 4.451 | 3.777 | 43.2  | 10.6 | 17.3 | 20.8 |
| 2004 08 23 | 12 30.96 | +02 05.5 | 4.520 | 3.755 | 36.4  | 9.2  | 17.3 | 20.8 |

**7P/Pons-Winnecke**

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 18 |    | 04 13.96        | +02 44.3        | 3.516    | 4.314 | 138.6      | 8.8    | 22.3  | 22.5  |
| 2003 10 28 |    | 04 07.63        | +02 19.2        | 3.479    | 4.357 | 148.4      | 6.9    | 22.3  | 22.4  |
| 2003 11 07 |    | 04 00.27        | +01 59.1        | 3.469    | 4.398 | 157.0      | 5.0    |       | 22.3  |
| 2003 11 17 |    | 03 52.34        | +01 46.1        | 3.489    | 4.439 | 161.9      | 4.0    |       | 22.3  |
| 2003 11 27 |    | 03 44.37        | +01 41.8        | 3.540    | 4.479 | 159.8      | 4.4    |       | 22.4  |
| 2003 12 07 |    | 03 36.89        | +01 46.9        | 3.623    | 4.518 | 152.3      | 5.8    |       | 22.5  |

**C/2001 N2 (LINEAR)**

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 18 |    | 11 37.40        | -28 58.1        | 5.749    | 4.940 | 32.8       | 6.3    | 18.2  |       |
| 2003 10 28 |    | 11 39.29        | -30 00.9        | 5.757    | 5.015 | 38.2       | 7.0    | 18.3  |       |
| 2003 11 07 |    | 11 40.40        | -31 07.2        | 5.743    | 5.089 | 44.9       | 7.9    | 18.4  |       |
| 2003 11 17 |    | 11 40.56        | -32 15.9        | 5.709    | 5.163 | 52.3       | 8.7    | 18.4  |       |
| 2003 11 27 |    | 11 39.59        | -33 25.7        | 5.658    | 5.238 | 60.2       | 9.4    | 18.5  |       |
| 2003 12 07 |    | 11 37.26        | -34 35.0        | 5.593    | 5.312 | 68.5       | 9.9    | 18.5  |       |
| 2003 12 17 |    | 11 33.42        | -35 41.7        | 5.519    | 5.387 | 77.2       | 10.3   | 18.5  |       |
| 2003 12 27 |    | 11 27.90        | -36 43.4        | 5.440    | 5.461 | 86.0       | 10.3   | 18.6  |       |
| 2004 01 06 |    | 11 20.62        | -37 36.8        | 5.363    | 5.536 | 95.0       | 10.2   | 18.6  |       |
| 2004 01 16 |    | 11 11.58        | -38 18.7        | 5.293    | 5.610 | 103.8      | 9.8    | 18.6  |       |
| 2004 01 26 |    | 11 00.94        | -38 45.6        | 5.236    | 5.685 | 112.4      | 9.2    | 18.6  |       |
| 2004 02 05 |    | 10 49.02        | -38 54.4        | 5.197    | 5.759 | 120.4      | 8.5    | 18.7  |       |
| 2004 02 15 |    | 10 36.31        | -38 43.0        | 5.182    | 5.833 | 127.2      | 7.7    | 18.7  |       |
| 2004 02 25 |    | 10 23.40        | -38 11.0        | 5.195    | 5.907 | 132.4      | 7.1    | 18.8  |       |
| 2004 03 06 |    | 10 10.91        | -37 19.6        | 5.238    | 5.981 | 135.1      | 6.7    | 18.9  |       |
| 2004 03 16 |    | 09 59.40        | -36 12.1        | 5.312    | 6.055 | 134.9      | 6.7    | 18.9  |       |
| 2004 03 26 |    | 09 49.29        | -34 52.7        | 5.416    | 6.129 | 132.0      | 6.9    | 19.0  |       |
| 2004 04 05 |    | 09 40.83        | -33 26.5        | 5.549    | 6.203 | 127.0      | 7.4    | 19.1  |       |
| 2004 04 15 |    | 09 34.10        | -31 58.2        | 5.706    | 6.277 | 120.6      | 7.9    | 19.3  |       |
| 2004 04 25 |    | 09 29.09        | -30 31.8        | 5.885    | 6.350 | 113.3      | 8.4    | 19.4  |       |
| 2004 05 05 |    | 09 25.66        | -29 10.9        | 6.078    | 6.424 | 105.6      | 8.7    | 19.5  |       |

|            |          |          |       |       |      |     |      |
|------------|----------|----------|-------|-------|------|-----|------|
| 2004 05 15 | 09 23.67 | -27 57.5 | 6.283 | 6.497 | 97.7 | 8.9 | 19.6 |
| 2004 05 25 | 09 22.92 | -26 53.3 | 6.494 | 6.570 | 89.9 | 8.9 | 19.7 |
| 2004 06 04 | 09 23.22 | -25 59.0 | 6.706 | 6.643 | 82.1 | 8.7 | 19.9 |
| 2004 06 14 | 09 24.41 | -25 15.0 | 6.915 | 6.716 | 74.6 | 8.4 | 20.0 |
| 2004 06 24 | 09 26.31 | -24 41.2 | 7.116 | 6.789 | 67.3 | 7.9 | 20.1 |
| 2004 07 04 | 09 28.76 | -24 17.3 | 7.307 | 6.862 | 60.4 | 7.4 | 20.2 |
| 2004 07 14 | 09 31.63 | -24 03.0 | 7.485 | 6.934 | 53.9 | 6.8 | 20.3 |
| 2004 07 24 | 09 34.80 | -23 57.6 | 7.646 | 7.007 | 48.0 | 6.2 | 20.4 |
| 2004 08 03 | 09 38.14 | -24 00.6 | 7.788 | 7.079 | 42.9 | 5.6 | 20.5 |

**C/2002 A2 (LINEAR)**

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 18 |    | 11 59.91        | +13 29.4        | 7.260    | 6.435 | 31.9       | 4.7    |       | 19.8  |
| 2003 10 28 |    | 12 06.55        | +12 57.2        | 7.211    | 6.476 | 39.6       | 5.6    |       | 19.8  |
| 2003 11 07 |    | 12 12.78        | +12 29.7        | 7.144    | 6.517 | 47.6       | 6.4    |       | 19.8  |
| 2003 11 17 |    | 12 18.54        | +12 07.4        | 7.062    | 6.557 | 55.8       | 7.2    |       | 19.9  |
| 2003 11 27 |    | 12 23.72        | +11 50.8        | 6.965    | 6.598 | 64.4       | 7.7    |       | 19.9  |
| 2003 12 07 |    | 12 28.25        | +11 40.3        | 6.858    | 6.640 | 73.1       | 8.2    |       | 19.9  |
| 2003 12 17 |    | 12 32.04        | +11 36.2        | 6.744    | 6.681 | 82.1       | 8.4    |       | 19.8  |
| 2003 12 27 |    | 12 35.00        | +11 38.7        | 6.626    | 6.722 | 91.4       | 8.4    |       | 19.8  |
| 2004 01 06 |    | 12 37.07        | +11 47.5        | 6.510    | 6.764 | 100.8      | 8.2    |       | 19.8  |
| 2004 01 16 |    | 12 38.19        | +12 02.4        | 6.399    | 6.805 | 110.5      | 7.8    |       | 19.7  |
| 2004 01 26 |    | 12 38.35        | +12 22.7        | 6.298    | 6.847 | 120.3      | 7.1    |       | 19.7  |
| 2004 02 05 |    | 12 37.55        | +12 47.3        | 6.212    | 6.889 | 130.2      | 6.3    |       | 19.6  |
| 2004 02 15 |    | 12 35.86        | +13 14.8        | 6.145    | 6.931 | 140.0      | 5.3    |       | 19.6  |
| 2004 02 25 |    | 12 33.38        | +13 43.7        | 6.102    | 6.973 | 149.5      | 4.1    |       | 19.5  |
| 2004 03 06 |    | 12 30.28        | +14 12.0        | 6.086    | 7.015 | 157.9      | 3.1    |       | 19.5  |
| 2004 03 16 |    | 12 26.75        | +14 37.9        | 6.099    | 7.057 | 163.3      | 2.3    |       | 19.4  |
| 2004 03 26 |    | 12 23.03        | +14 59.7        | 6.141    | 7.100 | 162.8      | 2.4    |       | 19.5  |
| 2004 04 05 |    | 12 19.36        | +15 16.1        | 6.212    | 7.142 | 156.7      | 3.2    |       | 19.6  |
| 2004 04 15 |    | 12 15.95        | +15 26.0        | 6.312    | 7.185 | 148.3      | 4.2    |       | 19.7  |
| 2004 04 25 |    | 12 13.02        | +15 29.0        | 6.437    | 7.227 | 139.0      | 5.2    |       | 19.8  |
| 2004 05 05 |    | 12 10.71        | +15 24.9        | 6.584    | 7.270 | 129.7      | 6.1    |       | 19.9  |
| 2004 05 15 |    | 12 09.14        | +15 14.2        | 6.750    | 7.312 | 120.3      | 6.9    |       | 20.0  |
| 2004 05 25 |    | 12 08.36        | +14 57.1        | 6.930    | 7.355 | 111.0      | 7.4    |       | 20.1  |
| 2004 06 04 |    | 12 08.40        | +14 34.5        | 7.121    | 7.398 | 102.0      | 7.7    |       | 20.2  |
| 2004 06 14 |    | 12 09.23        | +14 07.1        | 7.317    | 7.440 | 93.1       | 7.8    |       | 20.2  |
| 2004 06 24 |    | 12 10.83        | +13 35.6        | 7.514    | 7.483 | 84.4       | 7.8    |       | 20.3  |
| 2004 07 04 |    | 12 13.14        | +13 00.7        | 7.710    | 7.526 | 75.8       | 7.5    |       | 20.4  |
| 2004 07 14 |    | 12 16.10        | +12 23.2        | 7.900    | 7.569 | 67.5       | 7.1    |       | 20.4  |
| 2004 07 24 |    | 12 19.62        | +11 43.7        | 8.081    | 7.612 | 59.2       | 6.6    |       | 20.4  |
| 2004 08 03 |    | 12 23.65        | +11 02.8        | 8.250    | 7.655 | 51.2       | 5.9    |       | 20.5  |
| 2004 08 13 |    | 12 28.11        | +10 21.2        | 8.405    | 7.698 | 43.2       | 5.2    |       | 20.5  |
| 2004 08 23 |    | 12 32.92        | +09 39.3        | 8.543    | 7.741 | 35.4       | 4.3    |       | 20.5  |

**C/2002 A1 (LINEAR)**

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 18 |    | 12 00.05        | +13 30.9        | 7.297    | 6.472 | 31.9       | 4.7    |       | 21.3  |
| 2003 10 28 |    | 12 06.65        | +12 58.9        | 7.248    | 6.513 | 39.6       | 5.6    |       | 21.3  |
| 2003 11 07 |    | 12 12.84        | +12 31.6        | 7.181    | 6.553 | 47.6       | 6.4    |       | 21.4  |
| 2003 11 17 |    | 12 18.56        | +12 09.5        | 7.099    | 6.594 | 55.8       | 7.1    |       | 21.4  |
| 2003 11 27 |    | 12 23.71        | +11 53.1        | 7.002    | 6.636 | 64.4       | 7.7    |       | 21.4  |
| 2003 12 07 |    | 12 28.20        | +11 42.8        | 6.895    | 6.677 | 73.2       | 8.1    |       | 21.4  |

**Elements MPC 48096**

|            |          |          |       |       |       |     |      |
|------------|----------|----------|-------|-------|-------|-----|------|
| 2003 12 17 | 12 31.96 | +11 38.9 | 6.781 | 6.718 | 82.2  | 8.3 | 21.4 |
| 2003 12 27 | 12 34.89 | +11 41.4 | 6.664 | 6.760 | 91.4  | 8.4 | 21.3 |
| 2004 01 06 | 12 36.93 | +11 50.4 | 6.547 | 6.802 | 100.9 | 8.2 | 21.3 |
| 2004 01 16 | 12 38.04 | +12 05.3 | 6.436 | 6.843 | 110.5 | 7.7 | 21.3 |
| 2004 01 26 | 12 38.18 | +12 25.6 | 6.335 | 6.885 | 120.3 | 7.1 | 21.2 |
| 2004 02 05 | 12 37.37 | +12 50.2 | 6.250 | 6.927 | 130.2 | 6.2 | 21.2 |
| 2004 02 15 | 12 35.68 | +13 17.7 | 6.183 | 6.969 | 140.0 | 5.2 | 21.1 |
| 2004 02 25 | 12 33.20 | +13 46.5 | 6.141 | 7.012 | 149.5 | 4.1 | 21.0 |
| 2004 03 06 | 12 30.11 | +14 14.7 | 6.125 | 7.054 | 157.9 | 3.0 | 21.0 |
| 2004 03 16 | 12 26.59 | +14 40.5 | 6.137 | 7.096 | 163.3 | 2.3 | 21.0 |
| 2004 03 26 | 12 22.88 | +15 02.2 | 6.180 | 7.139 | 162.7 | 2.4 | 21.0 |
| 2004 04 05 | 12 19.22 | +15 18.5 | 6.252 | 7.181 | 156.6 | 3.2 | 21.1 |
| 2004 04 15 | 12 15.83 | +15 28.4 | 6.352 | 7.224 | 148.2 | 4.2 | 21.2 |
| 2004 04 25 | 12 12.91 | +15 31.4 | 6.477 | 7.266 | 139.0 | 5.2 | 21.3 |
| 2004 05 05 | 12 10.61 | +15 27.4 | 6.625 | 7.309 | 129.6 | 6.1 | 21.4 |
| 2004 05 15 | 12 09.04 | +15 16.7 | 6.791 | 7.352 | 120.2 | 6.8 | 21.5 |
| 2004 05 25 | 12 08.25 | +14 59.8 | 6.971 | 7.395 | 111.0 | 7.3 | 21.6 |
| 2004 06 04 | 12 08.28 | +14 37.3 | 7.161 | 7.437 | 101.9 | 7.7 | 21.7 |
| 2004 06 14 | 12 09.11 | +14 10.0 | 7.358 | 7.480 | 93.0  | 7.8 | 21.8 |
| 2004 06 24 | 12 10.70 | +13 38.6 | 7.556 | 7.523 | 84.3  | 7.7 | 21.8 |
| 2004 07 04 | 12 12.99 | +13 03.9 | 7.751 | 7.566 | 75.8  | 7.5 | 21.9 |
| 2004 07 14 | 12 15.92 | +12 26.6 | 7.942 | 7.609 | 67.4  | 7.1 | 21.9 |
| 2004 07 24 | 12 19.43 | +11 47.3 | 8.123 | 7.652 | 59.2  | 6.5 | 22.0 |
| 2004 08 03 | 12 23.44 | +11 06.7 | 8.292 | 7.695 | 51.1  | 5.9 | 22.0 |
| 2004 08 13 | 12 27.87 | +10 25.2 | 8.447 | 7.738 | 43.1  | 5.1 | 22.0 |
| 2004 08 23 | 12 32.65 | +09 43.5 | 8.584 | 7.781 | 35.3  | 4.3 | 22.0 |

**89P/Russell**

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 28 |    | 03 48.09        | +23 09.5        | 3.151    | 4.067 | 154.0      | 6.1    | 22.5  |       |
| 2003 11 07 |    | 03 40.61        | +23 06.0        | 3.132    | 4.099 | 165.5      | 3.5    | 22.4  |       |
| 2003 11 17 |    | 03 32.60        | +22 57.4        | 3.144    | 4.131 | 175.7      | 1.0    | 22.2  |       |
| 2003 11 27 |    | 03 24.70        | +22 45.2        | 3.188    | 4.162 | 169.5      | 2.5    | 22.4  |       |

**10P/Tempel**

| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ | $m_1$ | $m_2$ |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|-------|-------|
| 2003 10 28 |    | 12 13.06        | +07 21.8        | 4.538    | 3.766 | 34.9       | 8.7    | 21.3  |       |
| 2003 11 07 |    | 12 23.36        | +06 32.4        | 4.403    | 3.727 | 42.0       | 10.3   | 21.2  |       |
| 2003 11 17 |    | 12 33.42        | +05 47.4        | 4.253    | 3.687 | 49.4       | 11.7   | 21.2  |       |
| 2003 11 27 |    | 12 43.14        | +05 08.1        | 4.090    | 3.645 | 56.9       | 13.1   | 21.1  |       |
| 2003 12 07 |    | 12 52.40        | +04 35.5        | 3.916    | 3.603 | 64.5       | 14.3   | 21.1  |       |
| 2003 12 17 |    | 13 01.06        | +04 10.8        | 3.732    | 3.561 | 72.4       | 15.3   | 21.0  |       |
| 2003 12 27 |    | 13 08.98        | +03 55.3        | 3.542    | 3.517 | 80.5       | 16.0   | 20.8  |       |
| 2004 01 06 |    | 13 15.96        | +03 50.3        | 3.349    | 3.472 | 88.9       | 16.4   | 20.7  |       |
| 2004 01 16 |    | 13 21.80        | +03 57.0        | 3.155    | 3.427 | 97.6       | 16.5   | 20.6  |       |
| 2004 01 26 |    | 13 26.25        | +04 16.6        | 2.964    | 3.380 | 106.6      | 16.2   | 20.4  |       |
| 2004 02 05 |    | 13 29.07        | +04 49.9        | 2.781    | 3.333 | 116.0      | 15.4   | 20.2  |       |
| 2004 02 15 |    | 13 30.03        | +05 37.2        | 2.609    | 3.284 | 125.7      | 14.1   | 20.0  |       |
| 2004 02 25 |    | 13 28.92        | +06 37.9        | 2.453    | 3.235 | 135.6      | 12.4   | 19.7  | 19.7  |
| 2004 03 06 |    | 13 25.63        | +07 49.6        | 2.317    | 3.185 | 145.6      | 10.1   | 19.4  | 19.5  |
| 2004 03 16 |    | 13 20.22        | +09 08.7        | 2.204    | 3.134 | 155.0      | 7.7    | 19.1  | 19.2  |
| 2004 03 26 |    | 13 12.95        | +10 29.3        | 2.119    | 3.082 | 161.8      | 5.8    | 18.9  | 19.0  |
| 2004 04 05 |    | 13 04.39        | +11 44.4        | 2.062    | 3.029 | 162.1      | 5.8    | 18.6  | 18.9  |

|            |          |          |       |       |       |      |      |      |
|------------|----------|----------|-------|-------|-------|------|------|------|
| 2004 04 15 | 12 55.29 | +12 46.9 | 2.033 | 2.976 | 155.5 | 8.0  | 18.4 | 19.0 |
| 2004 04 25 | 12 46.53 | +13 31.1 | 2.032 | 2.921 | 146.0 | 11.1 | 18.2 | 19.1 |
| 2004 05 05 | 12 38.95 | +13 53.4 | 2.054 | 2.866 | 135.9 | 14.2 | 18.0 | 19.2 |
| 2004 05 15 | 12 33.20 | +13 53.2 | 2.095 | 2.809 | 125.8 | 17.0 | 17.8 | 19.3 |
| 2004 05 25 | 12 29.69 | +13 31.6 | 2.151 | 2.752 | 116.2 | 19.3 | 17.7 | 19.3 |
| 2004 06 04 | 12 28.60 | +12 50.9 | 2.215 | 2.694 | 107.1 | 21.1 | 17.5 | 19.4 |
| 2004 06 14 | 12 29.91 | +11 54.0 | 2.285 | 2.636 | 98.6  | 22.4 | 17.3 | 19.5 |
| 2004 06 24 | 12 33.50 | +10 43.1 | 2.357 | 2.576 | 90.6  | 23.2 | 17.1 | 19.5 |
| 2004 07 04 | 12 39.21 | +09 20.7 | 2.426 | 2.516 | 83.1  | 23.7 | 16.9 | 19.5 |
| 2004 07 14 | 12 46.83 | +07 48.6 | 2.492 | 2.455 | 76.1  | 23.7 | 16.7 | 19.5 |
| 2004 07 24 | 12 56.21 | +06 08.2 | 2.552 | 2.394 | 69.5  | 23.4 | 16.5 | 19.5 |
| 2004 08 03 | 13 07.19 | +04 20.8 | 2.604 | 2.333 | 63.3  | 22.9 | 16.3 | 19.5 |
| 2004 08 13 | 13 19.67 | +02 27.6 | 2.648 | 2.271 | 57.5  | 22.1 | 16.0 | 19.5 |
| 2004 08 23 | 13 33.57 | +00 29.4 | 2.683 | 2.208 | 51.9  | 21.1 | 15.7 | 19.4 |
| 2004 09 02 | 13 48.83 | -01 32.6 | 2.709 | 2.146 | 46.7  | 20.0 | 15.5 | 19.3 |
| 2004 09 12 | 14 05.45 | -03 37.4 | 2.725 | 2.084 | 41.7  | 18.7 | 15.1 | 19.2 |
| 2004 09 22 | 14 23.44 | -05 43.8 | 2.732 | 2.022 | 37.0  | 17.4 | 14.8 | 19.1 |
| 2004 10 02 | 14 42.82 | -07 50.4 | 2.731 | 1.961 | 32.5  | 15.9 | 14.5 | 19.0 |

**OPPOSITION DATA**

| Planet                 | Opposition   | $\alpha_{2000}$ | $\delta_{2000}$ | $V$  | $\dot{\alpha}$ | $\dot{\delta}$ | $\phi_{\text{MIN}}$ | Ref.  |
|------------------------|--------------|-----------------|-----------------|------|----------------|----------------|---------------------|-------|
| 2002 JO <sub>140</sub> | 2003 08 27.0 | 22 20.88        | -09 18.5        | 19.4 | -0.80          | - 4.3          | 0.3/27.3            | 50089 |
| 2002 EF <sub>62</sub>  | 2003 08 27.0 | 22 20.90        | -08 59.0        | 19.7 | -0.92          | - 4.8          | 0.5/27.4            | 50597 |
| 1998 SG <sub>124</sub> | 2003 08 27.0 | 22 20.92        | -31 09.9        | 19.2 | -0.94          | - 1.8          | 5.9/20.7            | 31835 |
| 1999 XY <sub>247</sub> | 2003 08 27.0 | 22 20.93        | -22 00.9        | 18.8 | -0.84          | - 7.4          | 4.3/23.0            | 49771 |
| 1999 XG <sub>135</sub> | 2003 08 27.0 | 22 20.99        | -24 42.2        | 22.1 | -0.81          | - 4.8          | 3.3/22.3            | 40419 |
| 2002 JX <sub>42</sub>  | 2003 08 27.0 | 22 21.02        | -14 59.2        | 19.3 | -0.80          | - 6.0          | 1.6/25.5            | 50079 |
| 1999 TX <sub>214</sub> | 2003 08 27.0 | 22 21.05        | -05 13.2        | 19.4 | -0.78          | - 7.1          | 1.9/28.7            | 49720 |
| 2001 DY <sub>49</sub>  | 2003 08 27.0 | 22 21.09        | -26 57.4        | 19.0 | -0.80          | - 6.0          | 4.9/21.4            | 50524 |
| 2002 EP <sub>34</sub>  | 2003 08 27.0 | 22 21.10        | -22 40.4        | 19.5 | -1.01          | - 3.0          | 4.3/23.6            | 29977 |
| 2002 CR <sub>1</sub>   | 2003 08 27.0 | 22 21.12        | -14 02.9        | 19.5 | -0.99          | - 4.7          | 1.5/26.0            | 50589 |
| 2000 WB <sub>118</sub> | 2003 08 27.0 | 22 21.12        | -31 26.6        | 19.9 | -0.94          | - 4.9          | 6.7/20.2            | 31925 |
| 2002 EN <sub>81</sub>  | 2003 08 27.0 | 22 21.14        | -09 04.1        | 19.7 | -1.07          | - 3.9          | 0.5/27.4            | 30716 |
| 2000 WY                | 2003 08 27.0 | 22 21.17        | -23 52.5        | 20.1 | -0.98          | - 5.1          | 5.0/22.9            | 29526 |
| 1999 TQ <sub>265</sub> | 2003 08 27.0 | 22 21.21        | +11 00.4        | 17.9 | -0.92          | + 1.2          | 10.0/01.6           | 50430 |
| 2001 DE <sub>90</sub>  | 2003 08 27.0 | 22 21.21        | +01 47.7        | 18.6 | -0.88          | - 0.2          | 3.5/30.2            | 49905 |
| 1999 RG <sub>208</sub> | 2003 08 27.0 | 22 21.22        | -05 28.5        | 18.3 | -1.06          | + 1.5          | 2.0/28.1            | 49691 |
| 1996 HR <sub>1</sub>   | 2003 08 27.0 | 22 21.29        | -08 33.2        | 19.3 | -0.94          | - 8.4          | 0.7/27.6            | 14746 |
| 1996 FU <sub>1</sub>   | 2003 08 27.0 | 22 21.30        | -05 29.6        | 19.8 | -0.94          | - 6.4          | 2.3/28.6            | 6735  |
| 1999 LO <sub>20</sub>  | 2003 08 27.0 | 22 21.31        | -07 28.2        | 18.1 | -0.88          | - 4.8          | 1.3/27.9            | 50411 |
| 1999 UT <sub>45</sub>  | 2003 08 27.1 | 22 21.26        | -22 31.5        | 20.6 | -0.97          | - 1.9          | 4.1/23.7            | 47817 |
| 2002 JR <sub>87</sub>  | 2003 08 27.1 | 22 21.28        | -09 31.3        | 19.3 | -0.77          | - 4.5          | 0.2/27.3            | 50610 |
| 2003 QQ <sub>14</sub>  | 2003 08 27.1 | 22 21.34        | +00 19.5        | 19.0 | -0.70          | - 9.2          | 4.0/31.0            | 50295 |
| 2001 DV <sub>46</sub>  | 2003 08 27.1 | 22 21.50        | -05 28.0        | 21.0 | -0.85          | - 5.3          | 1.5/28.6            | 14928 |
| 2001 CB <sub>13</sub>  | 2003 08 27.1 | 22 21.52        | -16 36.2        | 19.2 | -0.80          | - 3.3          | 1.8/25.3            | 50521 |
| 2002 EG <sub>31</sub>  | 2003 08 27.1 | 22 21.62        | -09 28.0        | 19.5 | -0.87          | - 8.0          | 0.3/27.4            | 50019 |
| 2002 GH <sub>144</sub> | 2003 08 27.2 | 22 21.61        | -25 30.6        | 18.4 | -0.89          | - 7.0          | 5.4/22.1            | 50605 |
| 2002 HL <sub>6</sub>   | 2003 08 27.2 | 22 21.64        | -06 49.2        | 19.6 | -1.02          | - 3.7          | 1.3/28.1            | 50072 |
| 4066 T-3               | 2003 08 27.2 | 22 21.73        | -27 10.7        | 18.8 | -1.01          | - 3.8          | 7.2/22.0            | 38156 |
| 2002 DQ <sub>16</sub>  | 2003 08 27.2 | 22 21.82        | -06 16.0        | 19.2 | -1.06          | - 1.8          | 1.8/28.3            | 50012 |
| 2000 WR <sub>133</sub> | 2003 08 27.2 | 22 21.84        | -00 10.6        | 17.1 | -0.98          | + 0.4          | 5.3/29.8            | 50507 |



|                        |              |          |          |      |       |       |          |       |                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-------|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 DA <sub>105</sub> | 2003 08 27.2 | 22 21.86 | -04 24.1 | 19.4 | -0.95 | - 1.8 | 1.9/28.8 | 49906 | 2001 AP <sub>32</sub>  | 2003 08 27.6 | 22 23.18 | -26 40.8 | 18.4 | -0.88 | - 4.8 | 5.5/22.4  | 31934 |
| 2003 QO <sub>71</sub>  | 2003 08 27.2 | 22 21.87 | +02 48.2 | 18.5 | -0.83 | + 0.7 | 6.7/30.7 | 50320 | 2003 MM <sub>9</sub>   | 2003 08 27.6 | 22 23.19 | -20 26.3 | 17.8 | -0.67 | -10.9 | 4.9/23.6  | 50232 |
| 2000 YD <sub>117</sub> | 2003 08 27.2 | 22 21.88 | -17 24.4 | 18.8 | -0.90 | - 5.6 | 2.4/25.0 | 50515 | 2000 WY <sub>51</sub>  | 2003 08 27.6 | 22 23.23 | -09 25.1 | 19.4 | -0.92 | - 5.2 | 0.3/27.8  | 49846 |
| 1998 FO <sub>63</sub>  | 2003 08 27.2 | 22 21.88 | -07 12.5 | 19.6 | -0.85 | - 7.4 | 1.0/28.2 | 50383 | 2001 AB <sub>13</sub>  | 2003 08 27.6 | 22 23.25 | +03 58.9 | 18.9 | -0.88 | - 3.3 | 4.6/31.7  | 11024 |
| 2000 CH <sub>118</sub> | 2003 08 27.2 | 22 21.92 | -10 49.8 | 19.1 | -0.77 | - 4.9 | 0.2/27.1 | 50459 | 1999 TN <sub>269</sub> | 2003 08 27.6 | 22 23.27 | -07 14.3 | 18.2 | -1.05 | + 1.3 | 1.3/28.3  | 49726 |
| 2001 CC <sub>41</sub>  | 2003 08 27.2 | 22 21.94 | -29 25.4 | 19.7 | -0.90 | - 6.0 | 6.2/20.7 | 12291 | 2000 SO <sub>257</sub> | 2003 08 27.6 | 22 23.28 | -15 31.5 | 18.7 | -1.00 | - 5.6 | 2.4/26.0  | 50494 |
| 1999 VJ <sub>107</sub> | 2003 08 27.2 | 22 21.97 | -07 34.6 | 19.1 | -0.78 | - 4.4 | 0.8/28.1 | 31877 | 2001 XD <sub>4</sub>   | 2003 08 27.6 | 22 23.30 | -49 21.4 | 17.6 | -1.90 | + 3.5 | 17.7/16.9 | 31960 |
| 1997 EC <sub>26</sub>  | 2003 08 27.2 | 22 21.98 | -10 10.4 | 20.7 | -0.88 | - 5.2 | 0.0/27.3 | 47710 | 1999 VR <sub>176</sub> | 2003 08 27.6 | 22 23.31 | +08 12.3 | 19.3 | -0.81 | - 6.4 | 6.0/02.7  | 50439 |
| 1998 VW <sub>12</sub>  | 2003 08 27.2 | 22 22.00 | -11 11.3 | 17.9 | -0.76 | - 5.1 | 0.3/27.0 | 50397 | 2001 BY <sub>40</sub>  | 2003 08 27.6 | 22 23.34 | -04 46.0 | 18.5 | -0.82 | -10.8 | 2.2/29.5  | 50519 |
| 2001 CV <sub>28</sub>  | 2003 08 27.3 | 22 22.02 | -17 07.2 | 18.6 | -1.01 | - 0.2 | 2.4/25.6 | 50522 | 1999 XF <sub>203</sub> | 2003 08 27.7 | 22 23.46 | -26 42.0 | 17.7 | -1.00 | - 3.0 | 7.1/22.5  | 50447 |
| 1999 RS <sub>135</sub> | 2003 08 27.3 | 22 22.08 | -16 28.9 | 17.8 | -1.08 | - 1.0 | 2.2/25.7 | 50418 | 1993 FK <sub>40</sub>  | 2003 08 27.7 | 22 23.53 | -01 55.2 | 19.0 | -0.77 | - 8.7 | 2.7/30.6  | 50368 |
| 2002 CB <sub>244</sub> | 2003 08 27.3 | 22 22.10 | -09 38.4 | 19.5 | -0.93 | - 4.7 | 0.2/27.5 | 50594 | 2002 GE <sub>130</sub> | 2003 08 27.7 | 22 23.56 | +01 33.8 | 19.3 | -0.83 | - 7.2 | 5.3/31.6  | 50605 |
| 2003 QX <sub>79</sub>  | 2003 08 27.3 | 22 22.16 | -24 43.6 | 18.7 | -1.01 | - 2.1 | 6.8/23.3 | 50323 | 2002 GH <sub>107</sub> | 2003 08 27.7 | 22 23.58 | -12 03.5 | 18.6 | -0.87 | - 7.6 | 0.8/27.1  | 31580 |
| 1998 RO <sub>79</sub>  | 2003 08 27.3 | 22 22.16 | -20 21.7 | 18.9 | -0.83 | - 3.5 | 3.5/24.2 | 50391 | 2003 OF <sub>12</sub>  | 2003 08 27.7 | 22 23.61 | +15 55.2 | 18.6 | -0.67 | - 6.1 | 8.5/06.7  | 50258 |
| 2000 UJ <sub>5</sub>   | 2003 08 27.3 | 22 22.25 | +02 07.6 | 17.7 | -0.71 | - 5.5 | 6.6/31.6 | 50498 | 2002 CP <sub>93</sub>  | 2003 08 27.7 | 22 23.62 | -12 46.2 | 19.5 | -0.94 | - 6.1 | 1.1/26.9  | 50591 |
| 2000 AD <sub>99</sub>  | 2003 08 27.3 | 22 22.27 | -13 23.2 | 18.7 | -0.87 | - 6.9 | 1.2/26.3 | 49778 | 2002 FO <sub>13</sub>  | 2003 08 27.7 | 22 23.62 | -16 40.2 | 20.4 | -0.95 | - 3.6 | 2.3/25.9  | 31482 |
| 2002 GL <sub>154</sub> | 2003 08 27.3 | 22 22.31 | -18 57.8 | 17.5 | -0.82 | - 8.5 | 3.9/24.3 | 50605 | 2003 PS <sub>3</sub>   | 2003 08 27.7 | 22 23.67 | -09 48.7 | 18.8 | -0.81 | - 6.3 | 0.1/27.8  | 50279 |
| 1999 TG <sub>31</sub>  | 2003 08 27.3 | 22 22.32 | -28 43.6 | 17.8 | -1.13 | + 1.3 | 7.9/22.8 | 30318 | 2002 CR <sub>148</sub> | 2003 08 27.7 | 22 23.67 | -08 20.3 | 18.8 | -0.81 | - 8.9 | 0.8/28.3  | 50592 |
| 2002 JK <sub>101</sub> | 2003 08 27.3 | 22 22.33 | -30 30.0 | 20.0 | -0.98 | - 9.8 | 6.1/20.0 | 34003 | 2003 QW <sub>6</sub>   | 2003 08 27.7 | 22 23.68 | -07 13.5 | 18.8 | -0.87 | - 3.7 | 1.1/28.6  | 50292 |
| 1999 RU <sub>21</sub>  | 2003 08 27.3 | 22 22.37 | -23 46.0 | 18.3 | -1.10 | + 2.7 | 6.3/24.4 | 50414 | 2002 JR <sub>23</sub>  | 2003 08 27.7 | 22 23.69 | -25 15.8 | 19.4 | -0.88 | - 3.6 | 4.6/23.2  | 32017 |
| 1998 FJ <sub>101</sub> | 2003 08 27.3 | 22 22.37 | -06 50.8 | 19.3 | -0.96 | - 3.2 | 1.2/28.3 | 49647 | 2003 QL <sub>9</sub>   | 2003 08 27.7 | 22 23.73 | -05 40.6 | 18.7 | -0.89 | - 4.0 | 1.7/29.0  | 50293 |
| 2000 BV                | 2003 08 27.3 | 22 22.46 | -15 12.8 | 18.9 | -1.66 | + 7.8 | 2.3/26.7 | 49785 | 1999 RF <sub>44</sub>  | 2003 08 27.7 | 22 23.78 | -17 10.1 | 18.9 | -0.78 | -11.6 | 2.6/25.1  | 50415 |
| 2001 AJ <sub>30</sub>  | 2003 08 27.4 | 22 22.42 | -11 50.0 | 19.6 | -0.97 | - 4.7 | 0.6/26.9 | 50517 | 2002 GH <sub>19</sub>  | 2003 08 27.7 | 22 23.78 | -01 14.3 | 19.8 | -0.95 | - 6.9 | 3.2/30.5  | 50602 |
| 1999 TX <sub>153</sub> | 2003 08 27.4 | 22 22.42 | -18 05.0 | 18.5 | -0.83 | - 4.3 | 3.5/25.0 | 50427 | 2000 SC <sub>148</sub> | 2003 08 27.7 | 22 23.81 | -17 38.4 | 19.2 | -1.11 | - 2.9 | 3.4/25.7  | 50491 |
| 2002 EE <sub>97</sub>  | 2003 08 27.4 | 22 22.44 | -16 00.4 | 19.6 | -0.98 | - 7.4 | 2.2/25.6 | 50598 | 2002 GR <sub>69</sub>  | 2003 08 27.7 | 22 23.83 | +02 52.3 | 18.2 | -0.70 | - 9.6 | 5.0/01.6  | 50603 |
| 2002 KX <sub>5</sub>   | 2003 08 27.4 | 22 22.45 | -14 37.1 | 19.1 | -0.88 | - 6.7 | 1.5/26.0 | 31760 | 2000 SG <sub>296</sub> | 2003 08 27.7 | 22 23.84 | +11 42.5 | 19.3 | -0.95 | - 4.1 | 8.1/03.4  | 50495 |
| 2000 SE <sub>286</sub> | 2003 08 27.4 | 22 22.52 | -12 01.2 | 19.7 | -0.96 | - 6.9 | 0.7/26.9 | 50495 | 2002 GL <sub>9</sub>   | 2003 08 27.7 | 22 23.84 | -13 18.8 | 19.0 | -0.87 | - 6.5 | 1.2/26.7  | 50601 |
| 2000 WC <sub>21</sub>  | 2003 08 27.4 | 22 22.53 | -11 59.8 | 21.0 | -0.76 | - 4.8 | 0.5/26.9 | 50504 | 1997 EA <sub>37</sub>  | 2003 08 27.7 | 22 23.85 | -16 45.3 | 19.0 | -0.80 | - 7.4 | 2.0/25.5  | 50377 |
| 2000 WU <sub>48</sub>  | 2003 08 27.4 | 22 22.69 | +04 16.1 | 17.5 | -0.96 | - 4.2 | 6.2/31.6 | 49846 | 2002 JO <sub>145</sub> | 2003 08 27.7 | 22 23.87 | -15 49.2 | 18.8 | -0.80 | -11.1 | 2.1/25.7  | 50090 |
| 2002 GB <sub>73</sub>  | 2003 08 27.4 | 22 22.70 | -18 00.1 | 19.7 | -0.89 | - 5.9 | 2.9/25.0 | 31541 | 1999 TD <sub>177</sub> | 2003 08 27.7 | 22 23.88 | -15 59.5 | 18.7 | -0.87 | - 4.1 | 2.1/26.0  | 50427 |
| 2002 DH <sub>11</sub>  | 2003 08 27.4 | 22 22.72 | -04 41.5 | 18.8 | -1.17 | + 1.4 | 2.4/28.7 | 50012 | 2000 WC <sub>25</sub>  | 2003 08 27.8 | 22 23.80 | +09 01.3 | 18.8 | -0.87 | - 4.2 | 6.1/02.7  | 50504 |
| 2002 CA <sub>56</sub>  | 2003 08 27.4 | 22 22.76 | -05 40.4 | 19.8 | -0.78 | -13.2 | 1.4/29.2 | 49982 | 2002 JR <sub>3</sub>   | 2003 08 27.8 | 22 23.82 | +06 55.3 | 18.6 | -0.86 | - 3.9 | 5.8/02.1  | 50607 |
| 2000 WA <sub>60</sub>  | 2003 08 27.4 | 22 22.77 | -20 24.9 | 20.6 | -0.89 | - 5.9 | 3.2/24.2 | 11001 | 2002 EM <sub>86</sub>  | 2003 08 27.8 | 22 23.83 | -25 32.6 | 18.2 | -0.95 | - 0.3 | 5.5/23.8  | 50029 |
| 2003 QK <sub>68</sub>  | 2003 08 27.5 | 22 22.70 | -08 28.6 | 19.7 | -0.97 | - 3.2 | 0.7/28.0 | 50318 | 2001 DN <sub>27</sub>  | 2003 08 27.8 | 22 23.87 | -16 37.3 | 20.2 | -0.88 | - 4.0 | 2.1/25.8  | 17553 |
| 2002 GU <sub>56</sub>  | 2003 08 27.5 | 22 22.71 | -35 50.4 | 19.3 | -0.85 | - 4.5 | 7.3/18.9 | 31997 | 2001 DG <sub>98</sub>  | 2003 08 27.8 | 22 23.87 | -17 35.2 | 21.0 | -0.69 | - 9.6 | 2.0/25.0  | 48013 |
| 2002 CY <sub>238</sub> | 2003 08 27.5 | 22 22.72 | -07 14.3 | 20.6 | -0.92 | - 5.5 | 1.1/28.4 | 50594 | 2001 FL <sub>52</sub>  | 2003 08 27.8 | 22 23.91 | -05 16.1 | 19.8 | -0.74 | - 3.7 | 1.3/29.3  | 50529 |
| 1999 VO <sub>182</sub> | 2003 08 27.5 | 22 22.74 | -06 24.3 | 20.0 | -0.76 | - 4.4 | 1.1/28.7 | 50439 | 2001 CY <sub>6</sub>   | 2003 08 27.8 | 22 23.93 | -19 17.8 | 18.4 | -0.74 | - 7.8 | 3.1/24.6  | 50521 |
| 1999 TQ <sub>295</sub> | 2003 08 27.5 | 22 22.78 | +01 49.1 | 18.4 | -0.60 | -13.8 | 5.3/01.5 | 49728 | 2002 FS <sub>33</sub>  | 2003 08 27.8 | 22 23.94 | +00 09.9 | 20.0 | -0.91 | - 5.9 | 4.1/31.0  | 48226 |
| 2000 SS <sub>326</sub> | 2003 08 27.5 | 22 22.82 | -15 42.8 | 20.4 | -1.04 | - 4.6 | 2.1/25.9 | 31339 | 1999 RL <sub>6</sub>   | 2003 08 27.8 | 22 23.99 | -12 23.0 | 18.1 | -0.96 | - 3.4 | 1.0/27.2  | 50414 |
| 2002 GC <sub>160</sub> | 2003 08 27.5 | 22 22.86 | +07 47.2 | 19.7 | -0.67 | - 8.5 | 5.5/03.3 | 50068 | 2003 OA <sub>16</sub>  | 2003 08 27.8 | 22 24.01 | +05 34.7 | 18.0 | -0.80 | + 0.3 | 6.7/01.1  | 50262 |
| 2002 BA <sub>14</sub>  | 2003 08 27.5 | 22 22.96 | -05 20.8 | 18.6 | -1.04 | - 3.3 | 2.0/28.9 | 49967 | 1999 TK <sub>22</sub>  | 2003 08 27.8 | 22 24.02 | -27 57.1 | 18.7 | -1.03 | - 1.0 | 6.2/23.0  | 31865 |
| 2002 JC <sub>127</sub> | 2003 08 27.5 | 22 22.96 | -21 41.4 | 19.2 | -0.85 | - 5.7 | 4.2/23.8 | 50611 | 2000 YV <sub>74</sub>  | 2003 08 27.8 | 22 24.03 | -23 04.8 | 19.6 | -0.88 | - 5.9 | 4.3/23.7  | 50513 |
| 2001 FO <sub>100</sub> | 2003 08 27.5 | 22 22.96 | -06 45.1 | 19.9 | -0.69 | - 6.7 | 0.9/28.7 | 49915 | 1999 RU <sub>41</sub>  | 2003 08 27.8 | 22 24.04 | -06 20.4 | 17.4 | -0.66 | - 8.0 | 1.7/29.1  | 49677 |
| 2002 JU <sub>121</sub> | 2003 08 27.5 | 22 22.97 | -20 11.2 | 19.3 | -0.84 | - 7.0 | 3.0/24.2 | 31745 | 1979 OU                | 2003 08 27.8 | 22 24.08 | -11 54.4 | 16.6 | -0.63 | -10.0 | 1.0/27.1  | 9009  |
| 2001 CO <sub>40</sub>  | 2003 08 27.5 | 22 22.98 | -32 41.0 | 16.9 | -0.90 | - 8.6 | 8.9/18.9 | 50522 | 1999 TX <sub>205</sub> | 2003 08 27.8 | 22 24.16 | -03 21.2 | 18.7 | -0.77 | - 3.9 | 3.1/29.9  | 49719 |
| 1998 RO <sub>66</sub>  | 2003 08 27.5 | 22 23.00 | -11 27.0 | 18.2 | -0.82 | - 2.8 | 0.4/27.2 | 50391 | 2003 ME <sub>10</sub>  | 2003 08 27.8 | 22 24.16 | +03 02.5 | 19.0 | -0.96 | - 1.4 | 5.7/01.0  | 50233 |
| 2000 CG <sub>9</sub>   | 2003 08 27.5 | 22 23.02 | -23 23.3 | 19.4 | -0.71 | - 7.3 | 3.6/22.8 | 13144 | 2002 GU <sub>107</sub> | 2003 08 27.8 | 22 24.16 | -01 21.6 | 17.6 | -0.63 | -12.6 | 3.1/31.3  | 50061 |
| 1999 FU <sub>44</sub>  | 2003 08 27.6 | 22 23.09 | -08 41.6 | 18.6 | -0.64 | - 2.5 | 0.3/28.0 | 49663 | 2664 P-L               | 2003 08 27.8 | 22 24.17 | -17 05.8 | 19.5 | -0.84 | - 2.5 | 2.2/25.8  | 50809 |
| 2002 HE <sub>10</sub>  | 2003 08 27.6 | 22 23.13 | -19 33.8 | 19.5 | -1.00 | - 4.2 | 3.4/24.9 | 32012 | 1999 TB <sub>193</sub> | 2003 08 27.9 | 22 24.19 | -11 04.8 | 19.1 | -0.92 | - 2.9 | 0.3/27.6  | 50428 |
| 2002 LL <sub>51</sub>  | 2003 08 27.6 | 22 23.15 | -01 44.0 | 19.2 | -0.81 | - 6.5 | 2.7/30.3 | 50613 | 2002 GA <sub>26</sub>  | 2003 08 27.9 | 22 24.19 | -10 35.3 | 20.5 | -0.95 | - 6.4 | 0.2/27.7  | 30738 |
| 1996 TX <sub>31</sub>  | 2003 08 27.6 | 22 23.16 | -23 47.1 | 19.5 | -1.01 | - 5.0 | 5.4/23.4 | 47705 | 2000 UR <sub>36</sub>  | 2003 08 27.9 | 22 24.23 | -14 12.6 | 19.2 | -0.97 | - 5.2 | 1.6/26.7  | 50499 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2003 OB <sub>15</sub>  | 2003 08 27.9 | 22 24.26 | +09 24.6 | 19.6 | -0.88 | + 0.8 | 7.7/02.3  | 50776 |
| 2002 HN <sub>14</sub>  | 2003 08 27.9 | 22 24.28 | -01 45.0 | 20.4 | -0.77 | - 7.0 | 2.6/30.7  | 50606 |
| 2002 CT <sub>79</sub>  | 2003 08 27.9 | 22 24.29 | -09 34.2 | 19.5 | -1.04 | - 3.3 | 0.2/28.0  | 49984 |
| 1998 SD <sub>163</sub> | 2003 08 27.9 | 22 24.38 | -52 05.5 | 18.8 | -1.34 | + 4.6 | 15.7/16.2 | 37117 |
| 2002 CY <sub>132</sub> | 2003 08 27.9 | 22 24.40 | -09 02.3 | 19.9 | -0.94 | - 5.7 | 0.4/28.2  | 49993 |
| 2001 BB <sub>61</sub>  | 2003 08 27.9 | 22 24.41 | -10 33.9 | 18.0 | -0.80 | -21.8 | 0.3/27.7  | 49893 |
| 2002 EA <sub>6</sub>   | 2003 08 27.9 | 22 24.44 | -14 03.6 | 19.1 | -0.92 | - 8.6 | 1.6/26.6  | 50596 |
| 2002 HO <sub>13</sub>  | 2003 08 27.9 | 22 24.44 | -11 40.8 | 19.1 | -0.70 | -11.2 | 0.5/27.3  | 50073 |
| 1998 HX <sub>33</sub>  | 2003 08 27.9 | 22 24.44 | +09 08.8 | 18.7 | -0.79 | - 8.3 | 7.1/04.0  | 50385 |
| 2002 CQ <sub>46</sub>  | 2003 08 27.9 | 22 24.47 | +05 10.5 | 19.3 | -0.69 | - 9.4 | 4.1/02.7  | 49980 |
| 2002 CH <sub>152</sub> | 2003 08 27.9 | 22 24.51 | -17 00.7 | 19.7 | -0.98 | - 4.7 | 2.7/25.9  | 49996 |
| 1998 UA <sub>43</sub>  | 2003 08 27.9 | 22 24.56 | -33 21.9 | 17.9 | -0.98 | + 0.3 | 8.7/21.4  | 31247 |
| 2000 US <sub>66</sub>  | 2003 08 27.9 | 22 24.62 | -10 45.1 | 18.2 | -1.09 | - 2.2 | 0.3/27.8  | 50500 |
| 2002 JH <sub>77</sub>  | 2003 08 28.0 | 22 24.60 | -00 37.8 | 19.9 | -0.89 | - 6.1 | 3.5/30.9  | 31712 |
| 1999 XK <sub>117</sub> | 2003 08 28.0 | 22 24.61 | -06 41.5 | 17.6 | -0.90 | - 1.5 | 1.6/28.9  | 49763 |
| 2001 AT <sub>12</sub>  | 2003 08 28.0 | 22 24.62 | -12 35.0 | 18.4 | -0.71 | - 7.0 | 0.8/27.1  | 50516 |
| 1999 TF <sub>34</sub>  | 2003 08 28.0 | 22 24.63 | -10 32.2 | 19.4 | -0.85 | - 7.6 | 0.2/27.8  | 50423 |
| 1999 UU <sub>51</sub>  | 2003 08 28.0 | 22 24.66 | -06 45.5 | 17.3 | -0.70 | - 9.7 | 1.2/29.2  | 50433 |
| 2002 CS <sub>118</sub> | 2003 08 28.0 | 22 24.70 | -50 10.0 | 20.1 | -1.19 | - 3.0 | 10.7/14.5 | 31968 |
| 2003 QX <sub>47</sub>  | 2003 08 28.0 | 22 24.71 | +05 49.0 | 17.7 | -0.91 | - 3.8 | 6.6/01.7  | 50310 |
| 2001 CC <sub>28</sub>  | 2003 08 28.0 | 22 24.78 | -28 31.0 | 19.2 | -0.75 | - 8.3 | 4.9/21.3  | 33895 |
| 1999 VM <sub>148</sub> | 2003 08 28.0 | 22 24.78 | -01 40.1 | 19.3 | -0.81 | - 4.7 | 2.9/30.6  | 49747 |
| 1999 RX <sub>70</sub>  | 2003 08 28.0 | 22 24.82 | -05 26.1 | 18.8 | -0.79 | - 8.6 | 1.8/29.6  | 50416 |
| 1999 RT <sub>36</sub>  | 2003 08 28.0 | 22 24.82 | -20 59.5 | 19.0 | -1.10 | - 1.1 | 4.2/25.2  | 12930 |
| 2002 GQ <sub>108</sub> | 2003 08 28.0 | 22 24.84 | -35 46.5 | 19.5 | -1.11 | - 1.4 | 9.8/20.6  | 31581 |
| 2002 FG <sub>29</sub>  | 2003 08 28.0 | 22 24.85 | -21 46.0 | 18.3 | -0.96 | - 7.3 | 5.7/24.2  | 50601 |
| 1998 FQ <sub>122</sub> | 2003 08 28.0 | 22 24.85 | -28 39.6 | 16.4 | -1.00 | + 2.7 | 9.2/23.7  | 50384 |
| 2002 GZ <sub>19</sub>  | 2003 08 28.0 | 22 24.86 | -28 51.3 | 18.9 | -1.02 | - 1.8 | 6.3/22.8  | 50602 |
| 1999 XD <sub>154</sub> | 2003 08 28.0 | 22 24.92 | -27 51.8 | 19.6 | -0.87 | - 3.5 | 5.6/22.4  | 47835 |
| 1999 XC <sub>54</sub>  | 2003 08 28.0 | 22 24.97 | -44 21.0 | 19.0 | -0.95 | - 3.3 | 9.8/15.9  | 33845 |
| 2002 CB <sub>99</sub>  | 2003 08 28.0 | 22 25.00 | -15 40.4 | 17.8 | -1.03 | - 3.1 | 2.4/26.5  | 49987 |
| 2002 DU <sub>2</sub>   | 2003 08 28.0 | 22 25.05 | -20 31.3 | 19.1 | -1.95 | +11.2 | 5.8/27.1  | 50011 |
| 1999 RX <sub>104</sub> | 2003 08 28.1 | 22 24.92 | +03 21.9 | 17.4 | -1.05 | + 3.1 | 6.3/31.0  | 50417 |
| 2003 QZ <sub>68</sub>  | 2003 08 28.1 | 22 24.93 | -25 01.4 | 17.3 | -0.72 | - 6.1 | 8.2/22.8  | 50319 |
| 2002 CF <sub>44</sub>  | 2003 08 28.1 | 22 24.95 | -09 53.3 | 19.0 | -1.02 | - 5.7 | 0.0/28.1  | 50590 |
| 2003 PF <sub>8</sub>   | 2003 08 28.1 | 22 24.96 | -06 12.0 | 19.0 | -0.79 | - 9.8 | 1.7/29.4  | 50285 |
| 2002 CE <sub>57</sub>  | 2003 08 28.1 | 22 24.96 | -06 45.2 | 19.0 | -0.89 | - 8.4 | 1.2/29.2  | 50591 |
| 2000 AK <sub>188</sub> | 2003 08 28.1 | 22 25.00 | -15 42.8 | 18.1 | -0.73 | -11.9 | 2.2/25.9  | 49783 |
| 2001 FO <sub>68</sub>  | 2003 08 28.1 | 22 25.03 | -06 24.9 | 18.6 | -0.76 | - 9.2 | 1.2/29.4  | 50529 |
| 2003 QC <sub>25</sub>  | 2003 08 28.1 | 22 25.13 | -02 37.2 | 18.1 | -0.84 | - 8.0 | 3.4/30.5  | 50301 |
| 2003 QK <sub>30</sub>  | 2003 08 28.1 | 22 25.18 | -27 12.8 | 18.0 | -0.98 | - 2.6 | 8.2/23.1  | 50303 |
| 2003 PY <sub>3</sub>   | 2003 08 28.1 | 22 25.20 | -06 45.9 | 18.2 | -0.83 | - 4.7 | 1.5/29.1  | 50279 |
| 2002 ER <sub>39</sub>  | 2003 08 28.1 | 22 25.22 | -10 49.8 | 19.9 | -0.99 | - 5.3 | 0.4/27.9  | 29981 |
| 2002 FJ <sub>16</sub>  | 2003 08 28.1 | 22 25.24 | -17 44.5 | 18.9 | -0.89 | - 5.5 | 2.9/25.7  | 50600 |
| 2003 PD                | 2003 08 28.1 | 22 25.25 | -04 51.9 | 18.9 | -0.71 | - 5.9 | 1.7/29.9  | 50274 |
| 2002 JA <sub>111</sub> | 2003 08 28.1 | 22 25.27 | +11 33.6 | 19.3 | -0.75 | - 3.9 | 6.0/04.5  | 50610 |
| 2000 YZ <sub>139</sub> | 2003 08 28.1 | 22 25.27 | -31 15.0 | 19.8 | -1.01 | - 2.4 | 6.5/21.8  | 12267 |
| 2003 OL <sub>29</sub>  | 2003 08 28.1 | 22 25.30 | -12 12.4 | 17.6 | -0.70 | - 9.6 | 1.1/27.3  | 50271 |
| 2003 OD <sub>29</sub>  | 2003 08 28.1 | 22 25.33 | -18 01.0 | 18.6 | -0.81 | - 8.6 | 3.2/25.3  | 50271 |
| 2002 CW <sub>298</sub> | 2003 08 28.1 | 22 25.34 | -07 26.9 | 19.3 | -0.90 | - 6.5 | 1.0/29.0  | 50010 |
| 2000 XJ <sub>26</sub>  | 2003 08 28.2 | 22 25.27 | -30 59.6 | 19.3 | -1.13 | - 2.8 | 8.1/21.9  | 30436 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2003 QZ <sub>24</sub>  | 2003 08 28.2 | 22 25.30 | -04 10.3 | 17.3 | -0.87 | - 0.4 | 2.5/29.7  | 50301 |
| 1999 VX <sub>81</sub>  | 2003 08 28.2 | 22 25.31 | -00 02.3 | 17.8 | -0.63 | - 6.0 | 4.9/31.7  | 49744 |
| 2000 WZ <sub>78</sub>  | 2003 08 28.2 | 22 25.34 | -12 03.8 | 19.7 | -0.89 | - 4.3 | 0.7/27.6  | 50506 |
| 2000 UX <sub>47</sub>  | 2003 08 28.2 | 22 25.35 | +00 52.0 | 19.0 | -0.93 | - 5.9 | 4.4/31.5  | 29462 |
| 1998 HQ <sub>99</sub>  | 2003 08 28.2 | 22 25.41 | -35 36.1 | 19.5 | -1.05 | - 2.0 | 9.2/20.7  | 50385 |
| 2002 JW <sub>5</sub>   | 2003 08 28.2 | 22 25.42 | -21 29.3 | 18.8 | -0.73 | - 7.2 | 3.9/24.2  | 35192 |
| 1997 AE <sub>15</sub>  | 2003 08 28.2 | 22 25.44 | -30 48.5 | 18.6 | -0.94 | - 6.2 | 7.0/21.1  | 50377 |
| 2002 JZ <sub>46</sub>  | 2003 08 28.2 | 22 25.44 | -07 50.2 | 19.5 | -0.90 | - 4.1 | 0.7/28.8  | 32021 |
| 2000 WA <sub>38</sub>  | 2003 08 28.2 | 22 25.48 | -19 31.6 | 19.4 | -0.92 | - 7.8 | 4.1/25.0  | 49844 |
| 1998 SC <sub>162</sub> | 2003 08 28.2 | 22 25.54 | -34 39.2 | 18.7 | -0.91 | - 2.0 | 7.0/20.4  | 31837 |
| 2000 UD <sub>78</sub>  | 2003 08 28.2 | 22 25.62 | +05 45.0 | 20.1 | -0.90 | - 5.3 | 5.1/02.2  | 50500 |
| 2002 EY <sub>86</sub>  | 2003 08 28.2 | 22 25.63 | -14 49.1 | 19.6 | -0.95 | - 4.9 | 1.7/26.8  | 31980 |
| 2002 JM <sub>10</sub>  | 2003 08 28.2 | 22 25.63 | -09 57.0 | 18.7 | -0.70 | - 9.1 | 0.0/28.2  | 50075 |
| 2001 AE <sub>19</sub>  | 2003 08 28.2 | 22 25.64 | -17 38.1 | 21.0 | -0.79 | - 5.7 | 2.1/25.7  | 20835 |
| 1996 RP <sub>5</sub>   | 2003 08 28.2 | 22 25.64 | +02 29.5 | 19.4 | -0.95 | - 4.4 | 5.3/31.9  | 50375 |
| 2003 PX <sub>3</sub>   | 2003 08 28.2 | 22 25.65 | -07 18.9 | 17.4 | -0.73 | - 5.5 | 0.9/29.1  | 50279 |
| 1998 SP <sub>73</sub>  | 2003 08 28.3 | 22 25.64 | -37 53.9 | 17.6 | -1.07 | + 2.2 | 11.1/20.7 | 35457 |
| 1998 TO <sub>31</sub>  | 2003 08 28.3 | 22 25.65 | -18 57.6 | 19.5 | -0.84 | - 3.1 | 2.8/25.6  | 50396 |
| 2001 DD <sub>25</sub>  | 2003 08 28.3 | 22 25.66 | -16 57.2 | 19.0 | -0.84 | - 6.0 | 2.6/26.0  | 50523 |
| 2002 DQ <sub>8</sub>   | 2003 08 28.3 | 22 25.76 | -36 53.1 | 17.4 | -1.92 | +17.6 | 14.9/27.9 | 35166 |
| 2003 OD <sub>16</sub>  | 2003 08 28.3 | 22 25.79 | -01 24.8 | 18.5 | -0.62 | -12.1 | 3.0/31.7  | 50262 |
| 2003 QM <sub>72</sub>  | 2003 08 28.3 | 22 25.79 | +06 20.8 | 18.3 | -0.80 | - 2.0 | 5.4/02.0  | 50320 |
| 2002 FW                | 2003 08 28.3 | 22 25.80 | +02 09.9 | 20.1 | -0.71 | - 8.8 | 3.8/01.8  | 30728 |
| 1998 RM <sub>48</sub>  | 2003 08 28.3 | 22 25.84 | -06 18.3 | 19.0 | -0.78 | - 4.0 | 1.1/29.4  | 50390 |
| 2000 WS <sub>137</sub> | 2003 08 28.3 | 22 25.86 | -08 22.2 | 18.3 | -0.99 | - 3.7 | 0.6/28.8  | 50507 |
| 1999 RU <sub>242</sub> | 2003 08 28.3 | 22 25.88 | -23 30.7 | 19.0 | -0.89 | - 4.0 | 6.1/24.1  | 49694 |
| 2002 EZ <sub>12</sub>  | 2003 08 28.3 | 22 25.92 | -03 56.0 | 20.3 | -0.97 | - 6.6 | 2.3/30.2  | 50596 |
| 2000 AS <sub>76</sub>  | 2003 08 28.3 | 22 25.93 | -19 24.2 | 18.7 | -0.75 | - 5.4 | 2.8/25.2  | 50452 |
| 1999 VX <sub>123</sub> | 2003 08 28.3 | 22 25.97 | +07 38.2 | 19.7 | -0.72 | - 5.0 | 4.7/03.3  | 50437 |
| 1998 TE <sub>18</sub>  | 2003 08 28.3 | 22 25.97 | +14 23.0 | 18.8 | -0.72 | - 5.1 | 7.4/05.8  | 50396 |
| 2000 VM <sub>48</sub>  | 2003 08 28.3 | 22 26.01 | -11 00.3 | 18.5 | -1.00 | - 5.1 | 0.6/28.0  | 49840 |
| 2000 YZ <sub>25</sub>  | 2003 08 28.3 | 22 26.04 | -37 22.0 | 20.4 | -0.99 | - 5.3 | 8.7/18.9  | 31370 |
| 1999 RW <sub>28</sub>  | 2003 08 28.3 | 22 26.06 | -17 46.3 | 17.8 | -1.25 | + 3.1 | 3.1/26.8  | 50414 |
| 2002 CT <sub>243</sub> | 2003 08 28.4 | 22 26.04 | -13 07.9 | 18.1 | -1.08 | + 0.6 | 1.3/27.6  | 50006 |
| 2001 YW <sub>3</sub>   | 2003 08 28.4 | 22 26.13 | -48 52.4 | 20.4 | -1.33 | -10.3 | 15.7/12.0 | 30592 |
| 2003 QW <sub>12</sub>  | 2003 08 28.4 | 22 26.15 | -18 22.9 | 18.9 | -0.82 | - 4.2 | 3.0/25.8  | 50295 |
| 2003 QG <sub>99</sub>  | 2003 08 28.4 | 22 26.17 | -20 13.8 | 19.2 | -0.89 | - 3.9 | 4.1/25.3  | 50324 |
| 2002 AD <sub>64</sub>  | 2003 08 28.4 | 22 26.20 | -06 40.1 | 18.7 | -1.05 | - 2.6 | 1.2/29.3  | 27805 |
| 2002 GQ <sub>78</sub>  | 2003 08 28.4 | 22 26.32 | -21 38.2 | 18.8 | -0.82 | - 9.1 | 4.0/24.3  | 31549 |
| 2001 CF <sub>10</sub>  | 2003 08 28.4 | 22 26.34 | -15 56.1 | 19.0 | -0.79 | - 6.6 | 2.4/26.4  | 50521 |
| 1999 UF <sub>4</sub>   | 2003 08 28.4 | 22 26.35 | -13 09.5 | 18.7 | -0.80 | - 6.1 | 1.4/27.4  | 49729 |
| 2000 SM <sub>43</sub>  | 2003 08 28.4 | 22 26.42 | -15 42.6 | 18.8 | -0.96 | - 7.8 | 2.4/26.6  | 50488 |
| 1999 UW <sub>40</sub>  | 2003 08 28.4 | 22 26.43 | -28 54.1 | 19.9 | -0.97 | - 1.7 | 5.8/23.0  | 12185 |
| 2000 AP <sub>4</sub>   | 2003 08 28.5 | 22 26.40 | -02 05.9 | 18.5 | -0.73 | - 4.6 | 2.2/30.9  | 49773 |
| 2001 CJ <sub>19</sub>  | 2003 08 28.5 | 22 26.41 | -02 16.0 | 18.6 | -1.01 | + 0.9 | 3.1/30.3  | 49898 |
| 1999 LN <sub>5</sub>   | 2003 08 28.5 | 22 26.42 | -36 39.3 | 20.7 | -1.03 | - 9.9 | 10.3/18.8 | 25750 |
| 1999 VR <sub>99</sub>  | 2003 08 28.5 | 22 26.42 | -01 44.1 | 19.2 | -0.78 | - 5.6 | 3.1/31.1  | 50437 |
| 1998 YH <sub>5</sub>   | 2003 08 28.5 | 22 26.46 | -18 43.7 | 18.6 | -0.67 | -16.9 | 3.1/24.7  | 49662 |
| 2000 WH <sub>78</sub>  | 2003 08 28.5 | 22 26.51 | -09 06.1 | 20.3 | -0.98 | - 4.9 | 0.3/28.7  | 8266  |
| 2000 UP <sub>59</sub>  | 2003 08 28.5 | 22 26.52 | -01 16.9 | 19.6 | -1.03 | - 3.3 | 3.8/30.9  | 49834 |
| 1999 VC <sub>184</sub> | 2003 08 28.5 | 22 26.54 | -13 59.9 | 20.2 | -0.81 | - 5.2 | 1.4/27.2  | 50439 |

2003 SEPT. 10

M.P.C. 49683

2000 VQ<sub>51</sub> 2003 08 28.5 22 26.55 -10 37.8 19.3 -1.04 - 2.9 0.4/28.3 49840  
 1993 PB<sub>2</sub> 2003 08 28.5 22 26.55 -03 18.1 19.5 -1.07 - 3.2 2.6/30.3 31803  
 2003 PP<sub>3</sub> 2003 08 28.5 22 26.58 -14 25.1 18.2 -0.88 - 9.1 2.1/27.0 50278  
 1999 VH<sub>60</sub> 2003 08 28.5 22 26.61 +01 40.4 18.6 -0.73 - 6.5 4.9/01.5 49743  
 2002 JA<sub>68</sub> 2003 08 28.5 22 26.65 -29 16.2 20.3 -1.06 - 1.7 6.8/23.2 30210  
 2002 EV<sub>108</sub> 2003 08 28.5 22 26.66 -21 38.9 19.1 -0.93 - 6.8 4.8/24.7 50035  
 1999 TB<sub>128</sub> 2003 08 28.5 22 26.70 +02 27.2 18.9 -0.79 - 6.0 3.7/01.6 50426  
 2000 WA<sub>137</sub> 2003 08 28.5 22 26.72 -06 20.4 18.7 -0.90 - 8.4 1.4/29.7 10647  
 2002 AV<sub>64</sub> 2003 08 28.5 22 26.73 -19 07.2 18.8 -0.88 -14.8 3.8/25.0 49956  
 2000 EJ<sub>112</sub> 2003 08 28.5 22 26.74 -09 47.5 19.3 -0.75 - 4.2 0.0/28.6 50465  
 2002 EJ<sub>128</sub> 2003 08 28.5 22 26.77 -19 05.8 19.7 -0.95 - 5.4 3.8/25.7 48223  
 2002 EP<sub>91</sub> 2003 08 28.5 22 26.78 -13 42.7 20.1 -0.95 - 4.3 1.5/27.4 48221  
 2002 EE<sub>55</sub> 2003 08 28.5 22 26.80 -08 13.4 18.7 -1.01 - 3.0 0.6/29.0 30711  
 1998 FM<sub>133</sub> 2003 08 28.6 22 26.72 -14 42.5 19.2 -0.99 - 4.3 1.8/27.2 30267  
 2002 GB<sub>9</sub> 2003 08 28.6 22 26.73 -12 42.5 20.3 -0.78 - 5.3 1.0/27.7 30128  
 2003 QW<sub>5</sub> 2003 08 28.6 22 26.73 -11 02.9 17.4 -1.15 + 2.5 0.6/28.3 50291  
 2000 VN<sub>56</sub> 2003 08 28.6 22 26.74 -13 38.6 18.0 -1.01 - 4.1 1.8/27.5 50503  
 2001 BU<sub>77</sub> 2003 08 28.6 22 26.77 +11 42.6 21.0 -0.71 - 3.8 4.9/04.8 12283  
 1998 HW<sub>37</sub> 2003 08 28.6 22 26.80 -06 38.8 20.2 -0.91 - 4.4 1.1/29.5 50385  
 2000 AE<sub>70</sub> 2003 08 28.6 22 26.82 +01 19.4 18.3 -0.78 - 4.7 3.5/32.0 50451  
 2002 JU<sub>18</sub> 2003 08 28.6 22 26.92 -21 05.8 19.4 -0.85 - 5.0 3.7/25.1 48233  
 1999 TM<sub>108</sub> 2003 08 28.6 22 27.06 -06 15.0 19.1 -0.94 - 2.2 1.5/29.6 49704  
 2002 JV<sub>16</sub> 2003 08 28.6 22 27.08 -05 30.6 19.5 -0.77 - 7.2 1.3/30.1 32016  
 2001 CN<sub>5</sub> 2003 08 28.6 22 27.13 -08 35.0 19.2 -0.85 - 1.8 0.3/29.0 49895  
 2000 VO<sub>60</sub> 2003 08 28.7 22 27.15 -01 14.0 18.0 -0.89 - 4.1 4.3/31.2 49841  
 2001 GT<sub>1</sub> 2003 08 28.7 22 27.19 -08 57.7 20.8 -0.75 - 4.4 0.2/29.0 48027  
 1999 TW<sub>198</sub> 2003 08 28.7 22 27.19 -18 37.3 18.9 -1.00 - 0.7 3.2/26.4 49719  
 2002 JU<sub>132</sub> 2003 08 28.7 22 27.20 -02 55.4 19.0 -0.96 - 6.0 2.5/30.8 35578  
 2000 WE<sub>8</sub> 2003 08 28.7 22 27.22 -17 31.2 18.5 -0.89 - 7.8 3.0/26.2 30423  
 1998 BP<sub>34</sub> 2003 08 28.7 22 27.29 -12 42.0 19.5 -0.94 - 4.6 1.2/27.9 50381  
 2000 YJ<sub>28</sub> 2003 08 28.7 22 27.31 +35 27.1 18.1 -1.05 + 6.9 22.0/08.7 49862  
 2002 KL<sub>12</sub> 2003 08 28.7 22 27.32 -10 49.9 18.4 -0.67 - 8.6 0.4/28.3 50612  
 2000 XS<sub>45</sub> 2003 08 28.7 22 27.34 +03 59.8 18.8 -1.27 + 2.5 5.2/31.5 49859  
 2002 EE<sub>85</sub> 2003 08 28.7 22 27.35 -11 08.4 20.5 -0.94 - 5.0 0.5/28.3 50598  
 2002 FH<sub>34</sub> 2003 08 28.7 22 27.40 -25 25.5 19.5 -0.95 - 4.4 5.5/24.0 30115  
 1998 SV<sub>120</sub> 2003 08 28.7 22 27.45 -04 29.4 18.6 -0.67 - 9.1 1.8/30.7 49657  
 1998 VJ<sub>16</sub> 2003 08 28.7 22 27.49 -36 03.1 18.4 -0.88 - 2.4 10.0/19.8 50398  
 1999 RU<sub>183</sub> 2003 08 28.7 22 27.52 -11 25.0 18.6 -0.78 - 7.7 0.7/28.2 49689  
 2002 GS<sub>143</sub> 2003 08 28.7 22 27.53 -10 55.7 19.5 -0.79 - 3.9 0.4/28.4 50605  
 2001 EA<sub>2</sub> 2003 08 28.8 22 27.47 -25 37.9 18.9 -0.73 - 6.7 4.4/23.2 50526  
 2003 OA<sub>15</sub> 2003 08 28.8 22 27.52 +04 23.4 18.5 -0.67 - 9.0 4.1/03.1 50260  
 2003 PO 2003 08 28.8 22 27.55 -11 24.1 18.2 -0.54 -16.2 0.8/28.1 50779  
 1999 TU<sub>31</sub> 2003 08 28.8 22 27.56 -06 46.8 19.3 -0.84 - 5.0 1.0/29.7 50423  
 2000 YO<sub>43</sub> 2003 08 28.8 22 27.56 -09 55.4 18.8 -0.94 - 6.7 0.1/28.7 49864  
 1998 TN<sub>22</sub> 2003 08 28.8 22 27.58 -05 03.7 20.0 -0.71 - 4.7 1.3/30.3 47752  
 2000 XT<sub>33</sub> 2003 08 28.8 22 27.60 -25 11.6 18.1 -0.99 - 2.6 5.0/24.4 49858  
 2002 CG<sub>248</sub> 2003 08 28.8 22 27.63 -02 33.5 17.6 -0.79 -11.7 2.7/31.5 50595  
 2003 OP<sub>29</sub> 2003 08 28.8 22 27.65 -07 21.2 18.5 -0.75 - 4.5 0.8/29.6 50271  
 1999 TL<sub>216</sub> 2003 08 28.8 22 27.68 -17 18.3 19.2 -0.85 - 5.1 2.7/26.4 50429  
 2001 EL<sub>14</sub> 2003 08 28.8 22 27.68 -25 07.1 18.6 -0.78 - 4.8 4.5/23.7 50526  
 3774 T-3 2003 08 28.8 22 27.69 -09 44.1 20.5 -0.77 - 4.5 0.0/28.8 50328

1999 JY<sub>5</sub> 2003 08 28.8 22 27.70 -51 20.3 18.6 -1.19 - 4.6 16.2/12.8 47777  
 2003 QF<sub>25</sub> 2003 08 28.8 22 27.70 -04 57.9 19.2 -0.90 - 5.1 2.2/30.3 50301  
 2003 QB<sub>52</sub> 2003 08 28.8 22 27.71 -16 54.0 18.2 -0.82 - 2.8 2.6/26.7 50312  
 2001 ER<sub>20</sub> 2003 08 28.8 22 27.71 -04 38.4 20.1 -0.87 - 6.4 1.8/30.4 50526  
 2002 JX<sub>31</sub> 2003 08 28.8 22 27.72 -13 44.0 20.0 -0.95 - 5.6 1.5/27.6 31649  
 2002 EL<sub>39</sub> 2003 08 28.8 22 27.72 -09 24.9 20.2 -0.97 - 4.9 0.1/28.9 50020  
 2002 GY<sub>21</sub> 2003 08 28.8 22 27.75 -11 32.9 20.0 -0.92 - 4.4 0.7/28.3 50602  
 1998 FB<sub>27</sub> 2003 08 28.8 22 27.75 -08 29.2 19.8 -0.97 - 4.0 0.4/29.2 50382  
 2002 GF<sub>140</sub> 2003 08 28.8 22 27.77 -13 21.7 18.8 -0.86 - 4.3 1.8/27.7 50066  
 2000 WF<sub>130</sub> 2003 08 28.8 22 27.80 -18 03.3 20.3 -0.87 - 5.0 2.6/26.3 47992  
 2003 PE<sub>6</sub> 2003 08 28.9 22 27.84 -02 55.1 19.2 -0.80 - 6.9 3.2/31.1 50283  
 2003 QX<sub>57</sub> 2003 08 28.9 22 27.88 +02 25.7 17.5 -0.89 - 2.6 5.7/01.4 50798  
 1999 VK<sub>80</sub> 2003 08 28.9 22 27.88 +02 54.5 19.0 -0.77 - 6.8 4.5/02.2 50436  
 2000 YZ<sub>73</sub> 2003 08 28.9 22 27.94 -16 18.2 20.8 -0.85 - 5.9 1.9/26.8 18308  
 2000 UZ<sub>56</sub> 2003 08 28.9 22 27.94 -07 33.9 19.4 -1.12 - 2.1 0.8/29.4 49833  
 2002 ED<sub>13</sub> 2003 08 28.9 22 27.94 -13 11.0 20.2 -0.93 - 5.0 1.3/27.9 48216  
 2002 JF<sub>136</sub> 2003 08 28.9 22 28.06 -08 12.2 21.2 -0.91 - 5.5 0.5/29.4 50611  
 2001 DH<sub>38</sub> 2003 08 28.9 22 28.08 +00 31.4 18.5 -1.01 - 2.4 4.5/31.6 49902  
 1999 XO<sub>110</sub> 2003 08 28.9 22 28.09 +17 02.0 19.4 -0.86 - 2.7 10.3/06.2 49761  
 2002 JY<sub>82</sub> 2003 08 28.9 22 28.10 -00 22.2 19.6 -0.89 - 6.2 3.5/31.9 50610  
 2001 DN<sub>7</sub> 2003 08 28.9 22 28.11 -15 09.7 17.7 -0.82 - 9.5 1.9/27.0 13812  
 2000 HB<sub>84</sub> 2003 08 28.9 22 28.14 -47 59.5 18.8 -1.08 - 3.2 9.5/14.0 1638  
 1999 TM<sub>184</sub> 2003 08 28.9 22 28.14 -02 52.5 17.6 -1.09 + 4.0 3.2/30.3 50428  
 2002 JB<sub>58</sub> 2003 08 28.9 22 28.14 -14 21.0 18.4 -0.81 - 4.5 1.7/27.5 50609  
 2000 WP<sub>188</sub> 2003 08 28.9 22 28.14 +00 42.6 18.2 -0.94 - 4.8 4.7/01.1 50509  
 2002 GD<sub>103</sub> 2003 08 28.9 22 28.20 -22 08.5 19.3 -1.05 - 3.8 4.9/25.4 31576  
 1999 TF<sub>214</sub> 2003 08 28.9 22 28.23 -20 09.9 19.5 -0.91 - 3.6 3.8/25.8 50429  
 2002 GK<sub>9</sub> 2003 08 28.9 22 28.23 +07 13.5 19.7 -0.79 - 8.9 5.4/04.1 30735  
 1998 HE<sub>111</sub> 2003 08 28.9 22 28.24 -15 31.6 19.6 -0.87 - 6.3 2.0/27.1 50386  
 2002 EB<sub>108</sub> 2003 08 29.0 22 28.23 -08 39.8 20.1 -0.96 - 5.6 0.4/29.3 50034  
 2002 JT<sub>16</sub> 2003 08 29.0 22 28.32 +00 01.3 19.2 -0.77 - 8.8 3.1/01.4 50075  
 2002 HC<sub>7</sub> 2003 08 29.0 22 28.32 -15 01.5 20.3 -0.96 - 5.8 1.9/27.4 30742  
 2003 PF<sub>6</sub> 2003 08 29.0 22 28.35 -04 56.3 18.7 -0.80 -10.2 2.3/30.7 50283  
 2000 AZ<sub>24</sub> 2003 08 29.0 22 28.37 +00 37.1 18.5 -0.79 - 3.0 3.3/01.1 50450  
 1998 TJ<sub>32</sub> 2003 08 29.0 22 28.38 -02 13.0 18.8 -0.75 - 4.5 2.4/31.4 50396  
 1999 RR<sub>82</sub> 2003 08 29.0 22 28.39 -00 02.4 18.5 -0.83 - 8.0 4.0/01.4 50416  
 2002 JQ<sub>95</sub> 2003 08 29.0 22 28.41 +04 20.8 18.4 -0.73 - 3.7 4.6/02.5 50084  
 2000 VG<sub>13</sub> 2003 08 29.0 22 28.41 -24 36.4 19.6 -1.08 - 5.8 6.0/24.3 13795  
 2002 CQ<sub>81</sub> 2003 08 29.0 22 28.42 -14 39.0 19.0 -0.94 - 8.5 2.0/27.4 30653  
 1999 TZ<sub>309</sub> 2003 08 29.0 22 28.49 -07 39.7 18.1 -0.76 - 9.5 0.8/29.7 50431  
 2000 CL<sub>35</sub> 2003 08 29.0 22 28.50 -09 21.5 18.8 -0.68 - 5.4 0.1/29.1 50458  
 2000 SW<sub>39</sub> 2003 08 29.0 22 28.51 -11 11.5 18.9 -0.95 - 8.4 0.7/28.5 50488  
 1998 SP<sub>92</sub> 2003 08 29.0 22 28.53 -25 31.0 18.4 -1.02 + 1.1 5.7/25.2 50394  
 2001 EE<sub>17</sub> 2003 08 29.0 22 28.55 -43 55.2 20.2 -0.89 - 4.0 8.0/16.6 13821  
 2003 QP<sub>102</sub> 2003 08 29.0 22 28.56 -06 10.4 19.4 -0.74 -11.3 1.2/30.3 50325  
 2000 XX<sub>41</sub> 2003 08 29.0 22 28.66 +21 05.9 18.6 -1.32 + 5.1 12.5/03.9 49858  
 1999 WG<sub>3</sub> 2003 08 29.1 22 28.56 -14 22.2 19.5 -0.80 - 4.9 1.5/27.6 50440  
 2002 JH<sub>21</sub> 2003 08 29.1 22 28.56 -08 34.1 20.4 -0.93 - 5.4 0.3/29.4 50607  
 2002 JZ<sub>135</sub> 2003 08 29.1 22 28.59 -11 44.9 19.3 -0.78 - 3.9 0.8/28.4 50089  
 2002 CV<sub>95</sub> 2003 08 29.1 22 28.66 -09 50.0 19.2 -0.96 - 3.2 0.1/29.0 49987  
 1999 UL<sub>30</sub> 2003 08 29.1 22 28.69 -07 29.1 19.4 -0.80 - 6.6 0.9/29.8 49733

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1996 UJ <sub>1</sub>   | 2003 08 29.1 | 22 28.73 | -15 29.9 | 18.0 | -0.83 | - 5.2 | 3.1/27.2  | 50376 |
| 2003 QC <sub>12</sub>  | 2003 08 29.1 | 22 28.75 | -08 33.0 | 18.2 | -0.80 | - 5.1 | 0.5/29.5  | 50784 |
| 2000 EK <sub>23</sub>  | 2003 08 29.1 | 22 28.78 | -09 24.0 | 19.4 | -0.76 | - 5.2 | 0.0/29.2  | 49794 |
| 2003 QU <sub>10</sub>  | 2003 08 29.1 | 22 28.81 | -10 37.8 | 18.2 | -0.34 | + 0.5 | 0.7/28.8  | 50293 |
| 2001 CD <sub>28</sub>  | 2003 08 29.1 | 22 28.86 | -25 41.0 | 18.2 | -0.87 | - 7.0 | 5.6/23.6  | 50522 |
| 2000 BV <sub>32</sub>  | 2003 08 29.1 | 22 28.89 | -09 57.7 | 20.6 | -0.73 | - 4.1 | 0.1/29.0  | 13142 |
| 2001 FG <sub>164</sub> | 2003 08 29.1 | 22 28.94 | -19 02.3 | 19.8 | -0.77 | - 4.0 | 2.7/26.2  | 50532 |
| 2001 EY <sub>15</sub>  | 2003 08 29.1 | 22 28.96 | -42 32.3 | 18.3 | -0.99 | - 1.6 | 9.2/18.0  | 31942 |
| 2003 OT <sub>29</sub>  | 2003 08 29.1 | 22 28.97 | -08 23.2 | 19.6 | -0.85 | - 3.9 | 0.4/29.5  | 50272 |
| 2000 WH <sub>159</sub> | 2003 08 29.1 | 22 28.99 | +27 56.7 | 18.2 | -1.05 | - 0.4 | 12.3/10.2 | 49853 |
| 2000 XE <sub>22</sub>  | 2003 08 29.2 | 22 28.95 | -08 48.8 | 17.6 | -1.03 | - 0.4 | 0.3/29.4  | 50510 |
| 2001 BY <sub>66</sub>  | 2003 08 29.2 | 22 28.96 | -16 21.7 | 19.2 | -0.71 | - 6.1 | 1.9/26.9  | 31393 |
| 2002 EE <sub>80</sub>  | 2003 08 29.2 | 22 29.04 | -15 37.6 | 19.1 | -1.06 | - 2.9 | 2.5/27.6  | 30716 |
| 1998 HL <sub>36</sub>  | 2003 08 29.2 | 22 29.04 | -24 04.7 | 18.3 | -1.11 | - 4.2 | 5.4/24.9  | 50385 |
| 2000 TZ <sub>15</sub>  | 2003 08 29.2 | 22 29.04 | -14 17.1 | 19.1 | -1.00 | - 4.8 | 2.1/27.8  | 47971 |
| 2000 UQ <sub>46</sub>  | 2003 08 29.2 | 22 29.06 | -19 41.0 | 19.0 | -1.05 | - 3.8 | 4.8/26.3  | 49832 |
| 2003 MR <sub>6</sub>   | 2003 08 29.2 | 22 29.16 | +12 39.7 | 17.3 | -0.79 | - 0.3 | 8.9/04.8  | 50229 |
| 2002 JF <sub>64</sub>  | 2003 08 29.2 | 22 29.22 | +00 06.0 | 19.2 | -0.72 | - 4.8 | 2.8/01.4  | 50081 |
| 2001 BH <sub>80</sub>  | 2003 08 29.2 | 22 29.23 | -25 53.8 | 19.3 | -0.88 | - 5.9 | 5.2/23.9  | 31937 |
| 1999 NK <sub>22</sub>  | 2003 08 29.2 | 22 29.26 | -36 21.1 | 18.2 | -0.97 | -10.9 | 10.3/19.2 | 50412 |
| 2001 DZ <sub>47</sub>  | 2003 08 29.3 | 22 29.36 | -13 22.7 | 19.1 | -0.86 | - 1.7 | 1.3/28.2  | 49903 |
| 2002 AE <sub>27</sub>  | 2003 08 29.3 | 22 29.42 | -16 27.4 | 20.1 | -0.91 | - 7.3 | 2.4/27.1  | 50585 |
| 1999 TW <sub>128</sub> | 2003 08 29.3 | 22 29.42 | -07 42.2 | 19.4 | -0.90 | - 4.4 | 0.6/29.9  | 50426 |
| 2000 WS <sub>36</sub>  | 2003 08 29.3 | 22 29.49 | +00 32.9 | 17.2 | -0.79 | - 7.9 | 5.0/01.8  | 50504 |
| 2000 YR <sub>127</sub> | 2003 08 29.3 | 22 29.50 | -00 16.2 | 20.1 | -0.98 | - 1.9 | 3.0/31.8  | 48002 |
| 2002 CC <sub>221</sub> | 2003 08 29.3 | 22 29.53 | -16 24.6 | 20.0 | -1.06 | - 3.4 | 2.6/27.4  | 30685 |
| 1993 FA <sub>9</sub>   | 2003 08 29.3 | 22 29.67 | -12 43.9 | 20.5 | -0.86 | - 6.3 | 1.0/28.3  | 50368 |
| 2000 SG <sub>57</sub>  | 2003 08 29.3 | 22 29.74 | -09 46.5 | 18.9 | -1.07 | - 4.0 | 0.1/29.3  | 50489 |
| 1999 VS <sub>91</sub>  | 2003 08 29.4 | 22 29.69 | -02 17.1 | 18.0 | -0.51 | -13.6 | 3.5/32.0  | 49745 |
| 1999 RD <sub>39</sub>  | 2003 08 29.4 | 22 29.73 | -09 55.1 | 18.7 | -0.72 | -12.2 | 0.2/29.2  | 49676 |
| 2001 DU <sub>14</sub>  | 2003 08 29.4 | 22 29.75 | -12 11.3 | 19.7 | -0.84 | - 1.5 | 0.7/28.7  | 12294 |
| 2001 CJ <sub>45</sub>  | 2003 08 29.4 | 22 29.78 | -26 21.6 | 18.4 | -0.83 | -10.6 | 4.9/23.0  | 50522 |
| 2001 XC <sub>103</sub> | 2003 08 29.4 | 22 29.78 | -53 38.7 | 19.9 | -1.37 | - 5.7 | 19.7/12.0 | 27316 |
| 1999 TV <sub>23</sub>  | 2003 08 29.4 | 22 29.79 | -11 40.6 | 20.0 | -0.86 | - 5.3 | 0.8/28.7  | 50423 |
| 2002 LH <sub>39</sub>  | 2003 08 29.4 | 22 29.84 | -05 44.8 | 19.6 | -0.69 | - 6.5 | 1.1/30.7  | 50613 |
| 2000 VS <sub>10</sub>  | 2003 08 29.4 | 22 29.84 | -14 51.6 | 19.3 | -0.95 | - 5.4 | 1.9/27.8  | 50501 |
| 2001 CH <sub>45</sub>  | 2003 08 29.4 | 22 29.89 | -31 25.0 | 18.2 | -0.77 | - 5.3 | 6.0/21.8  | 50522 |
| 2003 PJ <sub>8</sub>   | 2003 08 29.4 | 22 29.90 | -05 06.3 | 19.5 | -0.80 | - 8.7 | 1.9/31.0  | 50285 |
| 1999 TJ <sub>126</sub> | 2003 08 29.4 | 22 29.95 | +05 34.7 | 18.8 | -0.70 | -11.1 | 5.9/04.3  | 49708 |
| 2001 AZ <sub>1</sub>   | 2003 08 29.4 | 22 29.95 | -09 40.6 | 16.9 | -1.01 | - 2.4 | 0.1/29.4  | 49879 |
| 2002 GL <sub>144</sub> | 2003 08 29.4 | 22 29.99 | -36 10.6 | 17.8 | -0.89 | - 4.5 | 9.5/20.2  | 32009 |
| 2000 YH <sub>80</sub>  | 2003 08 29.4 | 22 30.05 | -08 08.8 | 19.8 | -0.93 | - 4.9 | 0.4/29.9  | 9524  |
| 1998 RS <sub>21</sub>  | 2003 08 29.5 | 22 30.01 | -07 38.0 | 19.2 | -0.77 | - 4.7 | 0.6/30.1  | 49652 |
| 2000 WN <sub>193</sub> | 2003 08 29.5 | 22 30.05 | -07 43.0 | 20.4 | -1.05 | - 3.4 | 0.7/30.0  | 29601 |
| 1999 VL <sub>62</sub>  | 2003 08 29.5 | 22 30.06 | -06 26.6 | 19.2 | -0.84 | - 5.4 | 1.1/30.4  | 50435 |
| 2000 UD <sub>35</sub>  | 2003 08 29.5 | 22 30.08 | -12 50.9 | 19.1 | -1.03 | - 4.5 | 1.3/28.5  | 31344 |
| 1996 XC <sub>4</sub>   | 2003 08 29.5 | 22 30.13 | -11 30.2 | 21.6 | -0.97 | - 5.4 | 0.8/28.9  | 8018  |
| 2003 QV <sub>18</sub>  | 2003 08 29.5 | 22 30.20 | -10 44.3 | 19.2 | -0.86 | - 1.3 | 0.7/29.2  | 50298 |
| 1996 WJ                | 2003 08 29.5 | 22 30.22 | -06 25.7 | 17.9 | -0.83 | - 4.9 | 1.4/30.5  | 49644 |
| 2002 GZ <sub>83</sub>  | 2003 08 29.5 | 22 30.25 | -16 54.2 | 19.5 | -0.84 | - 5.8 | 2.7/27.2  | 31555 |
| 1998 RE <sub>49</sub>  | 2003 08 29.5 | 22 30.27 | -14 02.6 | 19.6 | -0.91 | - 1.5 | 1.6/28.3  | 49652 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2002 JU <sub>46</sub>  | 2003 08 29.5 | 22 30.28 | -12 02.0 | 18.2 | -0.83 | - 2.1 | 0.9/28.8  | 50079 |
| 2001 BC <sub>50</sub>  | 2003 08 29.5 | 22 30.40 | -11 15.1 | 19.6 | -0.76 | - 7.8 | 0.5/28.9  | 13807 |
| 2002 JU <sub>47</sub>  | 2003 08 29.6 | 22 30.43 | +03 30.6 | 19.1 | -0.84 | - 3.9 | 4.3/02.6  | 50609 |
| 2000 SX <sub>306</sub> | 2003 08 29.6 | 22 30.47 | -05 52.0 | 18.8 | -0.98 | - 5.0 | 1.3/30.7  | 50495 |
| 1999 TQ <sub>72</sub>  | 2003 08 29.6 | 22 30.47 | -09 41.7 | 18.8 | -0.80 | - 5.8 | 0.1/29.5  | 50424 |
| 2003 PF <sub>4</sub>   | 2003 08 29.6 | 22 30.47 | -03 54.5 | 17.8 | -0.95 | + 2.1 | 3.0/30.9  | 50280 |
| 1999 TH <sub>25</sub>  | 2003 08 29.6 | 22 30.67 | -27 05.2 | 18.3 | -1.08 | + 1.2 | 7.7/25.2  | 50423 |
| 1998 SC <sub>29</sub>  | 2003 08 29.6 | 22 30.67 | -18 17.1 | 19.2 | -0.82 | - 3.1 | 3.0/27.0  | 50392 |
| 2002 EB <sub>11</sub>  | 2003 08 29.6 | 22 30.68 | -09 07.6 | 19.5 | -0.90 | - 6.4 | 0.1/29.7  | 50015 |
| 2002 JS <sub>5</sub>   | 2003 08 29.6 | 22 30.69 | -33 00.6 | 18.7 | -0.81 | - 4.4 | 7.9/21.7  | 32014 |
| 2003 PE <sub>4</sub>   | 2003 08 29.6 | 22 30.69 | -07 47.5 | 18.2 | -0.88 | - 7.9 | 0.7/30.2  | 50280 |
| 2003 PQ <sub>9</sub>   | 2003 08 29.6 | 22 30.70 | -09 36.4 | 17.8 | -0.13 | -17.0 | 0.1/29.5  | 50287 |
| 1999 TD <sub>167</sub> | 2003 08 29.6 | 22 30.78 | +03 25.7 | 19.4 | -0.82 | - 5.4 | 4.2/02.8  | 50427 |
| 1999 WX <sub>16</sub>  | 2003 08 29.6 | 22 30.81 | -21 25.2 | 19.7 | -0.94 | - 2.6 | 4.4/26.2  | 50440 |
| 1997 BL                | 2003 08 29.7 | 22 30.74 | -19 27.2 | 19.0 | -0.89 | - 6.3 | 3.2/26.4  | 12115 |
| 1999 TO <sub>97</sub>  | 2003 08 29.7 | 22 30.75 | -18 30.9 | 18.3 | -0.88 | - 6.3 | 3.6/26.7  | 49703 |
| 1999 TU <sub>134</sub> | 2003 08 29.7 | 22 30.77 | -09 28.8 | 19.3 | -0.87 | - 4.2 | 0.1/29.7  | 49709 |
| 2002 GV <sub>109</sub> | 2003 08 29.7 | 22 30.78 | -36 47.7 | 17.5 | -0.93 | - 6.0 | 11.3/19.2 | 33986 |
| 2002 EF <sub>67</sub>  | 2003 08 29.7 | 22 30.82 | -07 01.9 | 20.8 | -0.95 | - 5.4 | 0.8/30.4  | 50025 |
| 2003 PZ <sub>3</sub>   | 2003 08 29.7 | 22 30.86 | -14 27.6 | 18.0 | -0.75 | - 9.0 | 2.4/27.9  | 50279 |
| 2003 QD <sub>15</sub>  | 2003 08 29.7 | 22 30.87 | +02 10.4 | 18.7 | -0.93 | + 0.2 | 3.9/01.6  | 50296 |
| 2001 XJ <sub>47</sub>  | 2003 08 29.7 | 22 30.87 | +19 57.7 | 18.7 | -1.68 | +10.1 | 15.7/03.0 | 49941 |
| 2001 XB <sub>48</sub>  | 2003 08 29.7 | 22 30.88 | -04 17.5 | 18.4 | -1.30 | - 0.4 | 2.2/30.9  | 49942 |
| 1999 TR <sub>262</sub> | 2003 08 29.7 | 22 30.92 | +12 57.7 | 18.1 | -0.94 | - 0.9 | 8.3/05.0  | 50430 |
| 2000 DD <sub>8</sub>   | 2003 08 29.7 | 22 30.92 | -10 47.8 | 18.8 | -0.72 | - 4.9 | 0.4/29.3  | 50460 |
| 1999 TH <sub>169</sub> | 2003 08 29.7 | 22 30.93 | -01 05.7 | 19.8 | -0.79 | - 6.4 | 3.2/01.5  | 49714 |
| 2000 VA <sub>26</sub>  | 2003 08 29.7 | 22 31.02 | -19 47.2 | 19.4 | -1.00 | - 4.2 | 3.8/26.7  | 31921 |
| 1999 UZ <sub>60</sub>  | 2003 08 29.7 | 22 31.03 | +10 08.3 | 17.7 | -1.05 | + 2.9 | 8.6/03.0  | 50433 |
| 2001 DA <sub>6</sub>   | 2003 08 29.7 | 22 31.11 | -18 22.3 | 19.0 | -0.70 | - 7.3 | 2.3/26.6  | 12292 |
| 1998 KX <sub>19</sub>  | 2003 08 29.7 | 22 31.13 | +05 58.2 | 19.3 | -0.79 | - 8.2 | 5.2/04.3  | 50386 |
| 2001 CW <sub>34</sub>  | 2003 08 29.8 | 22 31.10 | -28 56.0 | 18.7 | -0.90 | - 2.1 | 6.0/23.9  | 33896 |
| 1999 RH <sub>125</sub> | 2003 08 29.8 | 22 31.14 | -05 20.8 | 18.8 | -0.76 | - 8.0 | 1.7/31.2  | 50418 |
| 2001 FG <sub>34</sub>  | 2003 08 29.8 | 22 31.16 | -08 36.2 | 18.9 | -0.86 | - 6.7 | 0.3/30.0  | 50528 |
| 2002 JQ <sub>127</sub> | 2003 08 29.8 | 22 31.17 | -08 19.4 | 18.5 | -0.81 | - 7.4 | 0.4/30.1  | 50611 |
| 1999 VW <sub>159</sub> | 2003 08 29.8 | 22 31.24 | -13 59.2 | 19.2 | -0.87 | - 3.8 | 1.5/28.4  | 50438 |
| 2001 XG <sub>30</sub>  | 2003 08 29.8 | 22 31.25 | +28 16.4 | 18.2 | -1.31 | + 1.5 | 16.9/09.6 | 50577 |
| 1999 XY <sub>256</sub> | 2003 08 29.8 | 22 31.28 | -24 45.9 | 18.7 | -0.86 | - 2.9 | 4.7/25.1  | 31887 |
| 2000 UH <sub>109</sub> | 2003 08 29.8 | 22 31.31 | -23 51.0 | 19.2 | -0.97 | - 7.5 | 6.0/24.9  | 50501 |
| 2000 YP <sub>46</sub>  | 2003 08 29.8 | 22 31.32 | -07 45.0 | 17.6 | -0.85 | - 5.2 | 0.8/30.3  | 50512 |
| 2002 JB <sub>92</sub>  | 2003 08 29.8 | 22 31.33 | -07 55.9 | 18.9 | -0.78 | - 4.5 | 0.5/30.3  | 50084 |
| 1999 XF <sub>148</sub> | 2003 08 29.8 | 22 31.34 | -12 14.2 | 20.3 | -0.80 | - 4.8 | 0.9/28.9  | 47833 |
| 2002 ER <sub>7</sub>   | 2003 08 29.8 | 22 31.36 | -03 58.8 | 20.3 | -0.83 | -15.9 | 2.0/01.0  | 48215 |
| 2001 CB <sub>48</sub>  | 2003 08 29.8 | 22 31.38 | -11 58.7 | 19.4 | -0.72 | - 7.5 | 0.9/28.9  | 50522 |
| 2002 GZ <sub>52</sub>  | 2003 08 29.8 | 22 31.40 | -09 20.9 | 19.8 | -0.91 | - 6.9 | 0.0/29.8  | 50603 |
| 2002 GE <sub>46</sub>  | 2003 08 29.8 | 22 31.40 | -21 18.1 | 18.4 | -1.00 | - 3.7 | 4.6/26.4  | 50602 |
| 1993 RM <sub>1</sub>   | 2003 08 29.8 | 22 31.40 | -08 28.4 | 18.9 | -0.79 | - 4.2 | 0.3/30.1  | 49637 |
| 2002 LZ <sub>32</sub>  | 2003 08 29.8 | 22 31.44 | +13 26.8 | 19.5 | -0.73 | - 8.8 | 7.2/07.5  | 50613 |
| 2000 TJ <sub>15</sub>  | 2003 08 29.8 | 22 31.47 | -14 00.6 | 19.6 | -1.03 | - 4.2 | 2.0/28.5  | 50497 |
| 2002 FS <sub>16</sub>  | 2003 08 29.8 | 22 31.50 | -16 46.0 | 19.6 | -1.00 | - 3.0 | 2.9/27.8  | 50600 |
| 2001 FF <sub>69</sub>  | 2003 08 29.8 | 22 31.51 | -08 24.9 | 19.5 | -0.72 | - 6.7 | 0.3/30.2  | 50529 |
| 2000 AN <sub>87</sub>  | 2003 08 29.9 | 22 31.54 | +01 01.2 | 19.0 | -0.81 | - 2.5 | 3.3/01.9  | 33184 |

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|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2002 CA <sub>83</sub>  | 2003 08 29.9 | 22 31.62 | -14 40.0 | 19.6 | -0.95 | - 4.9 | 2.2/28.3  | 50591 |
| 2002 GJ <sub>102</sub> | 2003 08 29.9 | 22 31.70 | -04 25.5 | 19.1 | -0.74 | - 9.2 | 1.6/31.7  | 50604 |
| 2002 EO <sub>13</sub>  | 2003 08 29.9 | 22 31.71 | -06 54.8 | 19.6 | -0.91 | - 6.0 | 0.9/30.7  | 50016 |
| 2002 GM <sub>93</sub>  | 2003 08 29.9 | 22 31.72 | -10 34.7 | 19.0 | -1.01 | - 3.9 | 0.5/29.6  | 50604 |
| 2002 JS <sub>91</sub>  | 2003 08 29.9 | 22 31.81 | +02 37.1 | 19.6 | -0.87 | - 5.8 | 4.2/02.8  | 33570 |
| 2000 WF <sub>29</sub>  | 2003 08 29.9 | 22 31.83 | -49 08.9 | 20.4 | -1.12 | - 4.2 | 11.0/14.9 | 31923 |
| 2002 EM <sub>121</sub> | 2003 08 30.0 | 22 31.85 | -11 15.3 | 20.3 | -0.98 | - 4.7 | 0.7/29.4  | 31984 |
| 2002 JS <sub>21</sub>  | 2003 08 30.0 | 22 31.86 | -47 19.5 | 19.4 | -1.00 | - 1.8 | 12.0/16.0 | 32017 |
| 2000 YQ <sub>132</sub> | 2003 08 30.0 | 22 31.87 | +04 47.1 | 18.9 | -0.89 | - 1.7 | 4.1/03.0  | 50515 |
| 2003 QN <sub>7</sub>   | 2003 08 30.0 | 22 31.98 | -07 32.8 | 18.3 | -0.79 | - 9.7 | 0.8/30.6  | 50292 |
| 1999 RG <sub>30</sub>  | 2003 08 30.0 | 22 32.06 | -03 17.1 | 17.7 | -1.21 | + 3.3 | 2.4/31.2  | 50415 |
| 2001 FM <sub>55</sub>  | 2003 08 30.0 | 22 32.12 | +16 46.5 | 19.1 | -0.68 | - 5.5 | 6.3/08.6  | 50529 |
| 1996 NO <sub>1</sub>   | 2003 08 30.0 | 22 32.15 | +04 25.9 | 18.8 | -0.88 | - 6.4 | 6.5/03.7  | 49642 |
| 2000 UA <sub>35</sub>  | 2003 08 30.0 | 22 32.16 | +02 49.5 | 18.7 | -0.92 | - 6.5 | 4.7/02.9  | 50499 |
| 1999 TG <sub>188</sub> | 2003 08 30.0 | 22 32.17 | -15 23.2 | 16.7 | -1.15 | + 6.4 | 3.1/29.0  | 50428 |
| 2002 JU <sub>133</sub> | 2003 08 30.0 | 22 32.17 | -11 35.8 | 18.7 | -0.80 | - 3.2 | 0.7/29.4  | 33584 |
| 2000 AR <sub>204</sub> | 2003 08 30.0 | 22 32.19 | -07 14.3 | 18.5 | -0.76 | -10.3 | 0.7/30.8  | 50455 |
| 2000 YY <sub>6</sub>   | 2003 08 30.0 | 22 32.25 | -11 31.8 | 20.6 | -0.89 | - 4.4 | 0.7/29.4  | 11012 |
| 2001 CZ <sub>13</sub>  | 2003 08 30.1 | 22 32.19 | -11 05.3 | 19.9 | -0.86 | - 3.1 | 0.6/29.6  | 13810 |
| 1999 TE <sub>10</sub>  | 2003 08 30.1 | 22 32.22 | -04 48.6 | 19.5 | -0.89 | - 4.7 | 1.6/31.4  | 50422 |
| 1997 CE <sub>26</sub>  | 2003 08 30.1 | 22 32.22 | -19 41.0 | 17.2 | -0.85 | -26.5 | 4.6/25.5  | 50377 |
| 2002 FK <sub>9</sub>   | 2003 08 30.1 | 22 32.24 | -08 19.0 | 19.1 | -1.08 | - 3.1 | 0.4/30.3  | 30730 |
| 2000 YU <sub>10</sub>  | 2003 08 30.1 | 22 32.26 | -06 37.6 | 19.8 | -0.86 | - 3.1 | 0.8/30.9  | 50511 |
| 2000 WF <sub>45</sub>  | 2003 08 30.1 | 22 32.27 | -19 49.2 | 18.6 | -0.94 | - 6.4 | 4.6/26.7  | 50505 |
| 2002 GW <sub>84</sub>  | 2003 08 30.1 | 22 32.29 | -24 42.7 | 19.2 | -0.93 | - 5.0 | 5.7/25.2  | 31556 |
| 2000 XB <sub>49</sub>  | 2003 08 30.1 | 22 32.29 | -18 52.2 | 18.7 | -0.90 | - 3.6 | 3.0/27.2  | 50510 |
| 2002 JB <sub>135</sub> | 2003 08 30.1 | 22 32.30 | -16 39.2 | 20.2 | -0.99 | - 3.7 | 2.6/28.0  | 48237 |
| 1999 TB <sub>29</sub>  | 2003 08 30.1 | 22 32.30 | -03 43.4 | 18.2 | -0.79 | - 6.5 | 2.2/31.9  | 50423 |
| 1999 YO <sub>6</sub>   | 2003 08 30.1 | 22 32.32 | -37 17.1 | 18.5 | -1.04 | - 1.1 | 9.3/21.2  | 13641 |
| 1999 XJ <sub>242</sub> | 2003 08 30.1 | 22 32.34 | -28 06.3 | 20.5 | -0.83 | - 3.2 | 5.0/24.0  | 50448 |
| 1999 TF <sub>123</sub> | 2003 08 30.1 | 22 32.36 | -14 03.9 | 19.0 | -0.85 | - 5.3 | 2.0/28.6  | 49708 |
| 2002 KV <sub>8</sub>   | 2003 08 30.1 | 22 32.41 | +04 35.7 | 20.0 | -0.70 | - 6.6 | 4.3/04.0  | 50612 |
| 2002 CP <sub>132</sub> | 2003 08 30.1 | 22 32.47 | -08 48.4 | 20.4 | -0.96 | - 5.3 | 0.1/30.3  | 49992 |
| 2002 EH <sub>12</sub>  | 2003 08 30.1 | 22 32.47 | -14 56.0 | 20.0 | -1.00 | - 5.0 | 2.2/28.5  | 48216 |
| 2002 EZ <sub>25</sub>  | 2003 08 30.1 | 22 32.51 | -08 16.2 | 20.4 | -0.94 | - 4.2 | 0.3/30.4  | 50018 |
| 2002 JG <sub>25</sub>  | 2003 08 30.1 | 22 32.53 | -08 45.4 | 20.1 | -0.84 | - 6.2 | 0.1/30.3  | 50608 |
| 1994 JO <sub>4</sub>   | 2003 08 30.1 | 22 32.55 | -16 28.4 | 20.7 | -0.91 | - 4.7 | 2.6/28.0  | 33000 |
| 2002 JC <sub>125</sub> | 2003 08 30.1 | 22 32.56 | -30 09.8 | 19.8 | -0.95 | - 4.1 | 6.9/23.6  | 34006 |
| 2000 YR <sub>62</sub>  | 2003 08 30.1 | 22 32.57 | -07 22.6 | 18.3 | -0.94 | - 4.8 | 0.8/30.7  | 49869 |
| 2000 VO <sub>61</sub>  | 2003 08 30.2 | 22 32.57 | -35 18.0 | 18.9 | -1.29 | + 0.7 | 7.5/23.5  | 19904 |
| 2000 UY <sub>79</sub>  | 2003 08 30.2 | 22 32.59 | -17 20.4 | 17.9 | -0.96 | - 3.7 | 4.1/27.8  | 49836 |
| 1999 TP <sub>214</sub> | 2003 08 30.2 | 22 32.60 | -05 31.5 | 18.7 | -0.77 | - 6.7 | 1.5/31.4  | 50429 |
| 2002 FP <sub>16</sub>  | 2003 08 30.2 | 22 32.62 | +03 31.7 | 19.5 | -0.86 | -13.6 | 4.2/04.0  | 31988 |
| 1999 VW <sub>121</sub> | 2003 08 30.2 | 22 32.63 | -08 20.7 | 19.9 | -0.78 | - 5.3 | 0.3/30.5  | 50437 |
| 2000 YL <sub>27</sub>  | 2003 08 30.2 | 22 32.64 | -05 09.8 | 19.1 | -0.90 | - 6.0 | 1.7/31.5  | 49862 |
| 2003 PD <sub>4</sub>   | 2003 08 30.2 | 22 32.67 | -08 48.4 | 18.5 | -0.70 | - 8.4 | 0.2/30.4  | 50280 |
| 2001 FG <sub>131</sub> | 2003 08 30.2 | 22 32.73 | -14 43.4 | 19.5 | -0.75 | - 4.5 | 1.6/28.5  | 50531 |
| 2002 GT <sub>168</sub> | 2003 08 30.2 | 22 32.73 | -07 13.7 | 20.2 | -0.91 | - 4.1 | 0.7/30.8  | 50069 |
| 2002 EX <sub>96</sub>  | 2003 08 30.2 | 22 32.76 | -08 46.3 | 19.5 | -0.82 | - 6.1 | 0.1/30.4  | 50033 |
| 2002 ES <sub>3</sub>   | 2003 08 30.2 | 22 32.78 | -05 58.4 | 19.8 | -0.86 | - 8.7 | 1.3/31.3  | 50014 |
| 1995 FZ <sub>18</sub>  | 2003 08 30.2 | 22 32.84 | -15 12.8 | 20.0 | -1.05 | - 3.3 | 2.4/28.6  | 47696 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 BV <sub>60</sub>  | 2003 08 30.2 | 22 32.87 | +05 08.2 | 20.3 | -0.88 | - 2.8 | 4.5/03.4  | 18311 |
| 2000 YE <sub>117</sub> | 2003 08 30.2 | 22 32.87 | -05 44.9 | 19.5 | -0.89 | - 2.1 | 1.0/31.2  | 49876 |
| 2002 CM <sub>132</sub> | 2003 08 30.2 | 22 32.88 | -08 25.5 | 19.1 | -0.83 | - 8.2 | 0.3/30.5  | 50592 |
| 2001 DV <sub>37</sub>  | 2003 08 30.2 | 22 32.89 | -23 19.7 | 18.9 | -0.76 | - 7.2 | 4.4/25.3  | 31400 |
| 2002 LZ <sub>34</sub>  | 2003 08 30.2 | 22 32.95 | -17 31.0 | 19.5 | -0.70 | - 6.7 | 2.5/27.4  | 48239 |
| 2001 FK <sub>52</sub>  | 2003 08 30.2 | 22 32.97 | +03 22.0 | 20.1 | -0.69 | - 5.0 | 3.2/03.5  | 13305 |
| 2002 GX <sub>41</sub>  | 2003 08 30.2 | 22 33.01 | -08 00.9 | 19.6 | -0.97 | - 5.3 | 0.5/30.6  | 50602 |
| 1999 VP <sub>76</sub>  | 2003 08 30.3 | 22 32.93 | -08 23.6 | 20.0 | -0.78 | - 5.5 | 0.3/30.5  | 49743 |
| 1999 TA <sub>32</sub>  | 2003 08 30.3 | 22 32.96 | +02 12.1 | 19.2 | -0.77 | - 7.2 | 4.3/03.2  | 50423 |
| 2002 HS <sub>15</sub>  | 2003 08 30.3 | 22 32.96 | -05 35.2 | 18.6 | -0.83 | - 8.7 | 1.5/31.5  | 50606 |
| 2000 UP <sub>110</sub> | 2003 08 30.3 | 22 32.98 | -14 30.0 | 19.9 | -0.93 | - 7.0 | 1.9/28.6  | 34970 |
| 2002 AX <sub>17</sub>  | 2003 08 30.3 | 22 33.01 | -20 22.3 | 19.6 | -0.99 | -22.6 | 4.7/25.7  | 30605 |
| 2002 CJ <sub>237</sub> | 2003 08 30.3 | 22 33.05 | -15 42.0 | 18.9 | -1.12 | + 2.0 | 2.8/28.9  | 50004 |
| 1999 VS <sub>1</sub>   | 2003 08 30.3 | 22 33.11 | +03 27.1 | 18.3 | -0.79 | - 5.5 | 4.9/03.4  | 50433 |
| 2002 JC <sub>112</sub> | 2003 08 30.3 | 22 33.14 | +02 33.1 | 19.6 | -0.87 | - 3.9 | 3.7/02.9  | 50610 |
| 2003 OH <sub>29</sub>  | 2003 08 30.3 | 22 33.15 | -15 16.7 | 19.2 | -0.80 | - 8.2 | 2.6/28.2  | 50271 |
| 2000 YR <sub>84</sub>  | 2003 08 30.3 | 22 33.20 | -10 34.8 | 19.3 | -0.94 | - 6.7 | 0.6/29.9  | 49871 |
| 2002 FU <sub>33</sub>  | 2003 08 30.3 | 22 33.22 | -08 14.8 | 19.7 | -0.98 | - 4.1 | 0.3/30.6  | 50044 |
| 2002 EK <sub>64</sub>  | 2003 08 30.3 | 22 33.22 | -11 47.4 | 18.6 | -1.09 | + 1.0 | 1.1/29.7  | 50024 |
| 2003 QF <sub>28</sub>  | 2003 08 30.3 | 22 33.24 | -06 51.3 | 19.3 | -0.87 | - 0.8 | 0.8/31.0  | 50302 |
| 1999 VA <sub>111</sub> | 2003 08 30.3 | 22 33.24 | +05 17.8 | 19.3 | -0.75 | - 5.8 | 5.6/04.3  | 50437 |
| 2001 EX <sub>3</sub>   | 2003 08 30.3 | 22 33.25 | -10 02.8 | 20.1 | -0.82 | - 8.3 | 0.3/30.1  | 49907 |
| 1999 XV <sub>127</sub> | 2003 08 30.3 | 22 33.25 | +11 09.4 | 18.6 | -0.76 | - 2.2 | 5.4/05.8  | 50445 |
| 2000 YN <sub>134</sub> | 2003 08 30.3 | 22 33.27 | -17 39.3 | 19.6 | -1.24 | + 1.5 | 2.9/28.5  | 12267 |
| 1999 XW <sub>92</sub>  | 2003 08 30.3 | 22 33.28 | -10 11.9 | 19.3 | -0.77 | - 5.3 | 0.3/30.0  | 50443 |
| 2002 EW <sub>104</sub> | 2003 08 30.3 | 22 33.28 | -19 34.6 | 17.6 | -0.93 | - 1.1 | 5.0/27.6  | 50599 |
| 2002 GT <sub>137</sub> | 2003 08 30.3 | 22 33.29 | -08 04.5 | 19.3 | -0.93 | - 3.8 | 0.4/30.7  | 50066 |
| 2002 CE <sub>152</sub> | 2003 08 30.3 | 22 33.29 | -13 08.6 | 19.1 | -0.94 | - 5.4 | 1.5/29.2  | 30670 |
| 2000 VF <sub>62</sub>  | 2003 08 30.3 | 22 33.36 | -18 15.4 | 18.8 | -1.52 | + 2.6 | 3.7/28.6  | 49842 |
| 2002 HM <sub>9</sub>   | 2003 08 30.4 | 22 33.32 | +06 22.1 | 19.2 | -0.69 | - 9.6 | 5.3/05.3  | 50072 |
| 2001 FR <sub>37</sub>  | 2003 08 30.4 | 22 33.38 | -19 32.0 | 19.5 | -0.85 | - 1.4 | 3.0/27.5  | 49912 |
| 1994 EL <sub>4</sub>   | 2003 08 30.4 | 22 33.45 | -07 25.3 | 19.5 | -0.92 | - 6.5 | 0.6/31.0  | 47691 |
| 1999 XY <sub>182</sub> | 2003 08 30.4 | 22 33.47 | -23 43.2 | 18.5 | -0.99 | - 2.0 | 5.6/26.2  | 17107 |
| 2000 CP <sub>38</sub>  | 2003 08 30.4 | 22 33.49 | -08 44.5 | 20.3 | -0.73 | - 4.4 | 0.1/30.6  | 50458 |
| 2001 AW <sub>31</sub>  | 2003 08 30.4 | 22 33.49 | -14 43.3 | 18.7 | -0.98 | - 4.2 | 2.5/28.8  | 50517 |
| 2000 DA <sub>25</sub>  | 2003 08 30.4 | 22 33.49 | -06 45.0 | 18.2 | -0.80 | - 2.3 | 0.7/31.1  | 50460 |
| 1999 XB <sub>113</sub> | 2003 08 30.4 | 22 33.55 | +02 02.7 | 18.6 | -1.01 | + 1.2 | 4.6/02.2  | 49762 |
| 2003 NU <sub>8</sub>   | 2003 08 30.4 | 22 33.56 | +33 47.8 | 17.6 | -0.88 | + 0.6 | 14.0/15.5 | 50242 |
| 1999 RJ <sub>14</sub>  | 2003 08 30.4 | 22 33.58 | -11 47.2 | 16.8 | -0.87 | - 3.0 | 1.3/29.7  | 50414 |
| 2001 ED <sub>4</sub>   | 2003 08 30.4 | 22 33.60 | -10 44.9 | 19.6 | -0.68 | - 6.5 | 0.4/29.9  | 11930 |
| 1998 SY <sub>86</sub>  | 2003 08 30.4 | 22 33.61 | -13 04.6 | 18.9 | -0.90 | - 0.7 | 1.5/29.4  | 49655 |
| 1981 ES <sub>37</sub>  | 2003 08 30.4 | 22 33.61 | -02 38.4 | 20.6 | -0.94 | - 6.1 | 2.3/01.5  | 31800 |
| 2003 QY <sub>16</sub>  | 2003 08 30.4 | 22 33.64 | -09 00.7 | 17.6 | -0.73 | - 3.1 | 0.0/30.5  | 50786 |
| 2001 BM <sub>62</sub>  | 2003 08 30.4 | 22 33.67 | -10 50.0 | 18.9 | -0.77 | - 7.3 | 0.5/29.9  | 13808 |
| 2002 GT <sub>47</sub>  | 2003 08 30.4 | 22 33.69 | +04 45.9 | 20.0 | -0.94 | - 4.8 | 4.8/03.8  | 31521 |
| 2000 VE                | 2003 08 30.4 | 22 33.70 | -00 59.2 | 18.4 | -0.98 | - 4.9 | 3.4/01.8  | 50501 |
| 2002 LL <sub>25</sub>  | 2003 08 30.5 | 22 33.68 | -23 20.5 | 19.3 | -0.92 | - 7.1 | 4.7/25.8  | 34014 |
| 2000 AH <sub>109</sub> | 2003 08 30.5 | 22 33.69 | -02 46.5 | 18.4 | -0.72 | - 4.2 | 1.8/01.5  | 50453 |
| 2002 EC <sub>56</sub>  | 2003 08 30.5 | 22 33.73 | -06 56.4 | 19.8 | -0.80 | -17.2 | 9.6/21.0  | 50023 |
| 2001 BJ <sub>58</sub>  | 2003 08 30.5 | 22 33.74 | -05 33.6 | 19.2 | -0.93 | - 5.5 | 1.4/31.6  | 49892 |
| 1999 VM <sub>155</sub> | 2003 08 30.5 | 22 33.74 | -20 00.5 | 19.9 | -0.89 | - 2.8 | 3.3/27.3  | 50438 |

|                        |              |          |          |      |       |   |     |           |       |
|------------------------|--------------|----------|----------|------|-------|---|-----|-----------|-------|
| 2001 TB <sub>117</sub> | 2003 08 30.5 | 22 33.77 | -54 11.5 | 17.8 | -1.66 | + | 0.4 | 19.3/15.0 | 30486 |
| 2002 CB <sub>11</sub>  | 2003 08 30.5 | 22 33.77 | -11 45.3 | 19.5 | -0.91 | - | 6.8 | 1.1/29.7  | 50589 |
| 2000 UW <sub>41</sub>  | 2003 08 30.5 | 22 33.78 | -21 51.0 | 19.0 | -1.03 | - | 4.2 | 4.9/26.7  | 50499 |
| 2003 QX <sub>32</sub>  | 2003 08 30.5 | 22 33.78 | -06 47.4 | 18.1 | -0.86 | - | 1.0 | 0.8/31.1  | 50305 |
| 2001 DM <sub>57</sub>  | 2003 08 30.5 | 22 33.79 | -11 40.7 | 19.8 | -0.80 | - | 4.1 | 0.9/29.7  | 50524 |
| 2002 JA <sub>61</sub>  | 2003 08 30.5 | 22 33.80 | -08 28.4 | 19.0 | -0.82 | - | 4.4 | 0.2/30.7  | 50081 |
| 1999 CT <sub>147</sub> | 2003 08 30.5 | 22 33.81 | -12 32.8 | 19.0 | -0.76 | - | 4.3 | 1.2/29.4  | 49662 |
| 1993 UL <sub>7</sub>   | 2003 08 30.5 | 22 33.83 | -04 44.8 | 19.7 | -0.70 | - | 7.2 | 1.3/32.0  | 50369 |
| 2003 QU <sub>14</sub>  | 2003 08 30.5 | 22 33.84 | +03 36.7 | 17.6 | -0.80 | - | 2.8 | 4.4/03.4  | 50296 |
| 2000 WL <sub>83</sub>  | 2003 08 30.5 | 22 33.87 | -04 44.6 | 20.3 | -0.93 | - | 4.8 | 1.5/31.8  | 50506 |
| 2003 QD <sub>69</sub>  | 2003 08 30.5 | 22 33.88 | -09 02.2 | 20.1 | -0.81 | - | 4.5 | 0.0/30.6  | 50319 |
| 2002 LW <sub>44</sub>  | 2003 08 30.5 | 22 33.92 | -18 09.7 | 19.9 | -0.78 | - | 7.3 | 2.7/27.4  | 31786 |
| 2002 AX <sub>125</sub> | 2003 08 30.5 | 22 33.97 | +09 21.2 | 20.6 | -1.08 | - | 0.8 | 5.4/04.6  | 30619 |
| 2002 JG <sub>20</sub>  | 2003 08 30.5 | 22 33.98 | -14 41.1 | 19.7 | -0.87 | - | 7.5 | 2.0/28.7  | 31634 |
| 2000 UE <sub>71</sub>  | 2003 08 30.5 | 22 34.01 | -19 26.6 | 18.3 | -1.06 | - | 2.8 | 4.1/27.7  | 50500 |
| 2002 JH <sub>50</sub>  | 2003 08 30.5 | 22 34.03 | -10 54.0 | 19.7 | -0.90 | - | 4.6 | 0.6/30.0  | 33998 |
| 1999 UA <sub>29</sub>  | 2003 08 30.5 | 22 34.05 | -31 23.5 | 18.9 | -1.08 | - | 0.1 | 8.8/24.4  | 31294 |
| 2002 EN                | 2003 08 30.5 | 22 34.06 | -08 33.3 | 20.2 | -0.97 | - | 4.8 | 0.2/30.7  | 50013 |
| 2003 PL <sub>6</sub>   | 2003 08 30.5 | 22 34.06 | +01 58.0 | 17.8 | -0.94 | - | 0.2 | 4.1/02.4  | 50283 |
| 2001 BK <sub>54</sub>  | 2003 08 30.5 | 22 34.09 | -05 35.4 | 18.6 | -0.86 | - | 1.3 | 1.1/31.6  | 49892 |
| 2000 WH <sub>90</sub>  | 2003 08 30.5 | 22 34.09 | -23 15.9 | 19.8 | -1.01 | - | 4.5 | 5.8/26.2  | 50506 |
| 2002 JG <sub>60</sub>  | 2003 08 30.6 | 22 34.01 | -19 06.3 | 19.6 | -0.86 | - | 4.2 | 3.4/27.5  | 50080 |
| 2002 CJ <sub>243</sub> | 2003 08 30.6 | 22 34.02 | -06 17.8 | 19.1 | -0.90 | - | 7.5 | 1.1/31.5  | 50594 |
| 1995 XC <sub>3</sub>   | 2003 08 30.6 | 22 34.06 | -11 22.1 | 21.7 | -0.83 | - | 6.2 | 0.8/29.9  | 11475 |
| 2000 YK <sub>52</sub>  | 2003 08 30.6 | 22 34.07 | -06 05.5 | 18.5 | -0.96 | - | 4.1 | 1.3/31.5  | 50513 |
| 2000 AQ <sub>131</sub> | 2003 08 30.6 | 22 34.09 | -22 37.4 | 19.4 | -0.85 | - | 3.3 | 4.2/26.4  | 19482 |
| 2003 QH <sub>99</sub>  | 2003 08 30.6 | 22 34.12 | -03 27.7 | 19.3 | -0.76 | - | 4.2 | 2.6/01.4  | 50324 |
| 1998 KN <sub>57</sub>  | 2003 08 30.6 | 22 34.15 | -14 10.1 | 20.0 | -0.89 | - | 5.3 | 1.7/29.0  | 50387 |
| 2003 QA <sub>12</sub>  | 2003 08 30.6 | 22 34.15 | -13 50.2 | 18.6 | -0.85 | - | 2.9 | 2.3/29.2  | 50294 |
| 1999 WT <sub>2</sub>   | 2003 08 30.6 | 22 34.19 | -09 42.7 | 18.7 | -0.85 | - | 4.2 | 0.3/30.4  | 50440 |
| 1999 UL <sub>6</sub>   | 2003 08 30.6 | 22 34.30 | -02 22.2 | 18.1 | -0.76 | - | 6.2 | 3.0/01.9  | 49730 |
| 2002 EH <sub>79</sub>  | 2003 08 30.6 | 22 34.32 | +01 07.4 | 19.7 | -0.90 | - | 6.3 | 4.0/02.9  | 50598 |
| 2002 FR <sub>25</sub>  | 2003 08 30.6 | 22 34.32 | -30 37.3 | 18.9 | -0.89 | - | 7.1 | 8.0/23.1  | 31988 |
| 2000 WJ <sub>68</sub>  | 2003 08 30.6 | 22 34.34 | -02 13.9 | 18.3 | -1.01 | - | 4.0 | 2.7/01.6  | 50505 |
| 1999 RR <sub>180</sub> | 2003 08 30.6 | 22 34.42 | -17 39.6 | 17.9 | -0.87 | - | 3.0 | 4.0/28.1  | 50419 |
| 2003 OE <sub>30</sub>  | 2003 08 30.6 | 22 34.43 | -11 32.1 | 19.0 | -0.80 | - | 3.7 | 0.9/29.9  | 50272 |
| 1999 RB <sub>163</sub> | 2003 08 30.6 | 22 34.45 | -04 30.8 | 17.4 | -0.91 | - | 0.1 | 2.3/31.8  | 49686 |
| 2000 SU <sub>191</sub> | 2003 08 30.7 | 22 34.41 | -07 22.4 | 19.0 | -0.93 | - | 3.9 | 0.9/31.2  | 50493 |
| 2002 GT <sub>123</sub> | 2003 08 30.7 | 22 34.42 | -10 56.9 | 19.7 | -0.81 | - | 3.9 | 0.7/30.1  | 50605 |
| 2000 TG <sub>28</sub>  | 2003 08 30.7 | 22 34.45 | -11 56.5 | 19.1 | -1.10 | - | 2.4 | 1.3/29.9  | 50497 |
| 1999 UR <sub>26</sub>  | 2003 08 30.7 | 22 34.52 | -24 54.6 | 18.0 | -1.05 | + | 0.6 | 6.5/26.8  | 50432 |
| 2003 QO <sub>89</sub>  | 2003 08 30.7 | 22 34.53 | -07 13.0 | 19.5 | -0.96 | - | 3.9 | 0.8/31.2  | 50324 |
| 2000 WQ <sub>7</sub>   | 2003 08 30.7 | 22 34.53 | -14 54.3 | 20.0 | -0.90 | - | 8.0 | 2.3/28.8  | 50503 |
| 2000 WS                | 2003 08 30.7 | 22 34.54 | -31 05.7 | 18.5 | -1.29 | + | 1.6 | 7.2/25.5  | 9866  |
| 2002 GG <sub>176</sub> | 2003 08 30.7 | 22 34.60 | -11 42.8 | 17.0 | -1.03 | - | 0.9 | 1.3/30.1  | 50606 |
| 2002 CK <sub>99</sub>  | 2003 08 30.7 | 22 34.60 | -13 29.7 | 19.5 | -0.99 | - | 5.0 | 1.7/29.4  | 50591 |
| 2002 KN <sub>4</sub>   | 2003 08 30.7 | 22 34.61 | -01 21.2 | 19.3 | -0.74 | - | 4.8 | 2.3/02.2  | 50091 |
| 2002 LN <sub>1</sub>   | 2003 08 30.7 | 22 34.70 | -22 44.1 | 18.7 | -0.74 | - | 5.5 | 4.3/26.1  | 48238 |
| 2002 JH <sub>35</sub>  | 2003 08 30.7 | 22 34.72 | +08 47.8 | 18.2 | -0.70 | - | 5.8 | 5.7/06.1  | 50077 |
| 2000 AT <sub>10</sub>  | 2003 08 30.7 | 22 34.74 | -30 51.7 | 19.7 | -0.89 | - | 3.3 | 6.3/23.7  | 17125 |
| 1999 TJ <sub>265</sub> | 2003 08 30.7 | 22 34.77 | +17 51.4 | 18.8 | -0.83 | - | 3.5 | 11.1/09.1 | 50430 |

|                        |              |          |          |      |       |   |     |           |       |
|------------------------|--------------|----------|----------|------|-------|---|-----|-----------|-------|
| 1998 AX <sub>9</sub>   | 2003 08 30.8 | 22 34.82 | -10 22.3 | 19.9 | -0.94 | - | 5.9 | 0.5/30.4  | 50380 |
| 2002 JL <sub>57</sub>  | 2003 08 30.8 | 22 34.84 | -03 41.9 | 18.8 | -0.77 | - | 4.2 | 1.7/01.5  | 50609 |
| 2001 BO <sub>63</sub>  | 2003 08 30.8 | 22 34.87 | -08 00.0 | 20.4 | -0.81 | - | 6.9 | 0.3/31.1  | 13808 |
| 2002 EQ <sub>104</sub> | 2003 08 30.8 | 22 34.90 | -13 24.0 | 20.8 | -0.94 | - | 6.0 | 1.6/29.5  | 31475 |
| 2000 SU <sub>59</sub>  | 2003 08 30.8 | 22 34.94 | -08 25.4 | 19.2 | -1.04 | - | 4.4 | 0.2/31.0  | 50489 |
| 1998 FG <sub>140</sub> | 2003 08 30.8 | 22 35.02 | -06 07.7 | 19.9 | -0.96 | - | 4.0 | 1.0/31.7  | 49647 |
| 2002 FZ <sub>21</sub>  | 2003 08 30.8 | 22 35.05 | -15 49.1 | 17.6 | -0.79 | - | 7.9 | 2.4/28.5  | 31988 |
| 2001 BU <sub>61</sub>  | 2003 08 30.8 | 22 35.05 | -08 10.6 | 16.9 | -1.20 | + | 2.8 | 0.3/31.0  | 50519 |
| 2002 CJ <sub>275</sub> | 2003 08 30.8 | 22 35.06 | -16 41.4 | 20.3 | -0.89 | - | 8.5 | 2.6/28.3  | 47188 |
| 1998 HG <sub>72</sub>  | 2003 08 30.8 | 22 35.07 | -16 57.1 | 19.6 | -0.90 | - | 5.2 | 2.7/28.4  | 50385 |
| 1999 OC <sub>2</sub>   | 2003 08 30.8 | 22 35.11 | +18 03.1 | 17.3 | -0.80 | - | 1.4 | 13.0/09.7 | 49669 |
| 1999 XS <sub>182</sub> | 2003 08 30.8 | 22 35.12 | +11 37.1 | 18.7 | -0.86 | - | 2.0 | 6.6/06.0  | 1558  |
| 2002 CD <sub>303</sub> | 2003 08 30.8 | 22 35.15 | -33 33.0 | 18.2 | -0.94 | - | 1.3 | 8.0/23.6  | 50595 |
| 2002 ES <sub>4</sub>   | 2003 08 30.8 | 22 35.18 | -10 02.1 | 19.9 | -0.95 | - | 5.0 | 0.4/30.6  | 29935 |
| 1999 VU <sub>52</sub>  | 2003 08 30.8 | 22 35.19 | +09 13.7 | 18.6 | -0.89 | - | 4.1 | 7.4/05.3  | 49743 |
| 1999 TG <sub>122</sub> | 2003 08 30.9 | 22 35.15 | -02 52.7 | 19.1 | -0.66 | - | 9.0 | 2.9/02.1  | 49707 |
| 2003 PN <sub>6</sub>   | 2003 08 30.9 | 22 35.15 | -04 19.5 | 17.8 | -0.68 | - | 2.3 | 1.2/01.3  | 50283 |
| 2002 FP <sub>20</sub>  | 2003 08 30.9 | 22 35.16 | -27 14.9 | 19.2 | -0.97 | - | 3.2 | 6.2/25.5  | 31485 |
| 1999 RD <sub>200</sub> | 2003 08 30.9 | 22 35.22 | +08 17.3 | 18.8 | -0.92 | - | 2.5 | 5.6/05.0  | 50420 |
| 2000 XC <sub>13</sub>  | 2003 08 30.9 | 22 35.23 | +08 08.2 | 19.2 | -0.77 | - | 5.4 | 4.9/05.7  | 50509 |
| 2002 GX <sub>174</sub> | 2003 08 30.9 | 22 35.24 | -14 34.2 | 18.8 | -0.81 | - | 6.8 | 2.0/29.1  | 50069 |
| 2002 GM <sub>151</sub> | 2003 08 30.9 | 22 35.25 | -09 15.7 | 19.3 | -0.92 | - | 7.7 | 0.1/30.8  | 50605 |
| 2000 VP <sub>18</sub>  | 2003 08 30.9 | 22 35.29 | +02 21.3 | 19.5 | -0.86 | - | 7.5 | 5.0/03.7  | 50502 |
| 1998 RX <sub>75</sub>  | 2003 08 30.9 | 22 35.34 | -12 03.9 | 18.9 | -0.76 | - | 5.2 | 1.3/29.9  | 49653 |
| 2000 SW <sub>42</sub>  | 2003 08 30.9 | 22 35.37 | -08 29.1 | 17.9 | -1.08 | - | 2.8 | 0.2/31.1  | 50488 |
| 2002 JW <sub>12</sub>  | 2003 08 30.9 | 22 35.37 | -44 16.9 | 20.4 | -1.28 | - | 2.9 | 11.9/18.7 | 31626 |
| 2002 KD <sub>13</sub>  | 2003 08 30.9 | 22 35.40 | -09 42.5 | 20.4 | -0.74 | - | 5.1 | 0.2/30.7  | 50612 |
| 1999 VV <sub>155</sub> | 2003 08 30.9 | 22 35.41 | -13 06.1 | 20.1 | -0.82 | - | 4.3 | 1.5/29.7  | 50438 |
| 1998 RM <sub>21</sub>  | 2003 08 30.9 | 22 35.41 | -08 00.1 | 19.8 | -0.78 | - | 4.6 | 0.3/31.3  | 50390 |
| 2000 VF <sub>53</sub>  | 2003 08 30.9 | 22 35.42 | -07 07.9 | 18.2 | -1.03 | - | 2.3 | 0.9/31.4  | 49840 |
| 2000 WD <sub>93</sub>  | 2003 08 30.9 | 22 35.44 | -18 30.4 | 19.9 | -0.89 | - | 5.1 | 2.9/28.0  | 50506 |
| 2000 YA <sub>70</sub>  | 2003 08 30.9 | 22 35.45 | -15 17.9 | 20.0 | -0.87 | - | 5.7 | 2.0/28.9  | 33889 |
| 2001 HZ <sub>24</sub>  | 2003 08 30.9 | 22 35.46 | -10 46.8 | 20.2 | -0.74 | - | 4.3 | 0.5/30.4  | 50533 |
| 2002 CO <sub>123</sub> | 2003 08 30.9 | 22 35.52 | -10 05.3 | 19.3 | -0.93 | - | 7.5 | 0.5/30.6  | 50592 |
| 2001 CQ <sub>13</sub>  | 2003 08 30.9 | 22 35.53 | -09 23.3 | 18.9 | -0.89 | - | 2.9 | 0.2/30.8  | 50521 |
| 1999 TY <sub>248</sub> | 2003 08 31.0 | 22 35.49 | +10 46.1 | 18.4 | -0.67 | - | 9.4 | 8.1/07.6  | 49723 |
| 1994 UT <sub>7</sub>   | 2003 08 31.0 | 22 35.53 | -10 17.8 | 20.5 | -0.86 | - | 3.5 | 0.5/30.6  | 49638 |
| 2001 DC <sub>70</sub>  | 2003 08 31.0 | 22 35.53 | -06 12.2 | 19.4 | -0.80 | - | 2.9 | 0.8/31.8  | 49904 |
| 1999 RV <sub>210</sub> | 2003 08 31.0 | 22 35.54 | -08 17.1 | 17.7 | -1.09 | + | 2.0 | 0.3/31.1  | 50421 |
| 2002 CK <sub>56</sub>  | 2003 08 31.0 | 22 35.57 | -06 31.0 | 19.4 | -0.93 | - | 6.3 | 0.9/01.0  | 49982 |
| 1999 TH <sub>167</sub> | 2003 08 31.0 | 22 35.61 | -06 27.6 | 18.8 | -0.88 | - | 3.7 | 1.1/31.7  | 49714 |
| 1999 TS <sub>30</sub>  | 2003 08 31.0 | 22 35.63 | -06 36.0 | 18.7 | -0.85 | - | 4.9 | 0.9/31.7  | 50423 |
| 1999 SE <sub>16</sub>  | 2003 08 31.0 | 22 35.64 | +18 35.8 | 18.7 | -0.66 | - | 6.7 | 13.2/10.6 | 49696 |
| 4737 P-L               | 2003 08 31.0 | 22 35.65 | -23 09.6 | 19.5 | -1.01 | - | 0.8 | 4.7/27.1  | 34265 |
| 2002 KB <sub>11</sub>  | 2003 08 31.0 | 22 35.67 | +02 05.7 | 20.1 | -0.70 | - | 7.8 | 3.3/04.0  | 50612 |
| 1999 XB <sub>27</sub>  | 2003 08 31.0 | 22 35.71 | -21 15.5 | 19.0 | -0.84 | - | 4.5 | 4.3/27.1  | 50441 |
| 2000 YR <sub>105</sub> | 2003 08 31.0 | 22 35.74 | -14 05.6 | 19.4 | -0.81 | - | 3.1 | 1.4/29.5  | 48001 |
| 2000 YM <sub>46</sub>  | 2003 08 31.0 | 22 35.79 | -11 20.1 | 18.6 | -0.84 | - | 5.8 | 0.8/30.3  | 50512 |
| 1999 VS <sub>44</sub>  | 2003 08 31.0 | 22 35.79 | -03 28.5 | 18.4 | -0.90 | - | 2.5 | 2.4/01.6  | 49742 |
| 2002 JR <sub>44</sub>  | 2003 08 31.0 | 22 35.80 | -10 57.6 | 20.3 | -1.01 | - | 4.1 | 0.7/30.5  | 50609 |
| 2001 FM <sub>148</sub> | 2003 08 31.0 | 22 35.83 | +07 39.7 | 19.0 | -0.75 | - | 4.5 | 4.9/05.5  | 27767 |

|                        |              |          |          |      |       |       |     |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----|-----------|-------|
| 2002 FD <sub>9</sub>   | 2003 08 31.0 | 22 35.83 | -07 26.2 | 20.8 | -1.03 | -     | 3.9 | 0.5/31.5  | 50042 |
| 1998 OJ <sub>3</sub>   | 2003 08 31.0 | 22 35.87 | -02 47.6 | 20.0 | -0.80 | -     | 5.3 | 2.0/02.0  | 50387 |
| 2002 FM <sub>35</sub>  | 2003 08 31.0 | 22 35.88 | +01 57.6 | 18.1 | -0.99 | -     | 2.8 | 4.7/03.2  | 50601 |
| 2000 XZ <sub>38</sub>  | 2003 08 31.1 | 22 35.91 | -54 09.6 | 19.2 | -1.42 | +     | 1.0 | 14.9/15.8 | 31929 |
| 1997 CK <sub>11</sub>  | 2003 08 31.1 | 22 35.92 | -09 22.3 | 19.7 | -0.86 | -     | 5.1 | 0.2/31.0  | 50377 |
| 2000 ST <sub>144</sub> | 2003 08 31.1 | 22 35.95 | -08 45.8 | 18.5 | -1.04 | -     | 3.4 | 0.0/31.1  | 50491 |
| 1999 XG <sub>189</sub> | 2003 08 31.1 | 22 35.96 | -14 05.6 | 19.3 | -0.94 | -     | 2.6 | 1.9/29.6  | 49768 |
| 1998 SB <sub>135</sub> | 2003 08 31.1 | 22 35.96 | -10 29.8 | 17.8 | -0.75 | -     | 5.6 | 0.6/30.6  | 50395 |
| 2002 GQ <sub>18</sub>  | 2003 08 31.1 | 22 35.96 | -29 27.4 | 19.8 | -0.99 | -     | 2.5 | 6.3/25.1  | 31992 |
| 1999 SU <sub>8</sub>   | 2003 08 31.1 | 22 35.99 | -34 38.9 | 17.5 | -1.11 | -     | 2.0 | 8.9/23.1  | 47799 |
| 1999 UP <sub>2</sub>   | 2003 08 31.1 | 22 36.01 | -43 22.9 | 19.0 | -1.14 | -     | 2.4 | 13.9/17.6 | 40383 |
| 1999 UY <sub>19</sub>  | 2003 08 31.1 | 22 36.03 | +04 33.9 | 18.5 | -0.71 | -10.7 |     | 5.3/05.2  | 50432 |
| 2002 GQ <sub>104</sub> | 2003 08 31.1 | 22 36.06 | -06 00.8 | 19.7 | -0.78 | -     | 8.8 | 0.9/01.1  | 50060 |
| 1999 SE <sub>13</sub>  | 2003 08 31.1 | 22 36.07 | -32 02.4 | 19.6 | -1.00 | -     | 4.0 | 7.4/23.4  | 13609 |
| 2000 YA <sub>13</sub>  | 2003 08 31.1 | 22 36.09 | +03 43.9 | 18.8 | -0.78 | -     | 5.9 | 3.5/04.3  | 12260 |
| 2000 WY <sub>176</sub> | 2003 08 31.1 | 22 36.15 | -14 24.8 | 19.6 | -0.93 | -     | 6.6 | 2.2/29.4  | 31927 |
| 1999 VP <sub>42</sub>  | 2003 08 31.1 | 22 36.16 | -08 53.9 | 20.0 | -0.88 | -     | 4.1 | 0.0/31.1  | 49742 |
| 2000 WT <sub>7</sub>   | 2003 08 31.1 | 22 36.25 | -13 42.2 | 18.9 | -0.91 | -     | 8.0 | 1.9/29.6  | 8242  |
| 2002 GD <sub>93</sub>  | 2003 08 31.1 | 22 36.25 | -12 08.5 | 20.0 | -0.97 | -     | 3.3 | 1.2/30.2  | 31564 |
| 2001 AX <sub>25</sub>  | 2003 08 31.1 | 22 36.32 | -57 25.6 | 20.9 | -1.31 | -     | 3.9 | 13.5/12.0 | 12269 |
| 2001 BM <sub>67</sub>  | 2003 08 31.2 | 22 36.21 | +10 39.2 | 18.5 | -0.86 | -     | 1.3 | 5.7/06.1  | 49893 |
| 2003 OC <sub>15</sub>  | 2003 08 31.2 | 22 36.23 | +10 24.8 | 18.0 | -0.81 | -     | 2.5 | 6.8/06.3  | 50260 |
| 2002 JJ <sub>103</sub> | 2003 08 31.2 | 22 36.24 | -27 57.0 | 19.9 | -0.87 | -     | 3.6 | 6.5/25.1  | 30222 |
| 2000 UU <sub>45</sub>  | 2003 08 31.2 | 22 36.29 | -08 41.4 | 19.7 | -0.94 | -     | 6.5 | 0.0/31.3  | 50499 |
| 2002 KF <sub>8</sub>   | 2003 08 31.2 | 22 36.30 | -00 02.2 | 18.8 | -0.66 | -     | 8.3 | 2.7/03.4  | 50612 |
| 2001 FV <sub>114</sub> | 2003 08 31.2 | 22 36.31 | -12 24.9 | 18.6 | -0.70 | -     | 7.4 | 1.1/30.0  | 49916 |
| 1999 VZ <sub>81</sub>  | 2003 08 31.2 | 22 36.42 | -16 58.1 | 18.6 | -0.90 | -     | 3.8 | 2.9/28.8  | 50436 |
| 2001 CB <sub>22</sub>  | 2003 08 31.2 | 22 36.42 | -13 22.2 | 19.2 | -0.83 | -     | 5.3 | 1.6/29.8  | 50521 |
| 2000 TP <sub>52</sub>  | 2003 08 31.2 | 22 36.43 | -22 52.4 | 20.7 | -1.11 | -     | 2.6 | 5.7/27.4  | 47974 |
| 2000 WD <sub>184</sub> | 2003 08 31.2 | 22 36.60 | -11 24.6 | 19.9 | -0.96 | -     | 6.5 | 1.1/30.5  | 9445  |
| 1997 BK <sub>2</sub>   | 2003 08 31.2 | 22 36.62 | -09 41.4 | 20.0 | -0.92 | -     | 4.2 | 0.3/31.0  | 50377 |
| 1999 XM <sub>21</sub>  | 2003 08 31.3 | 22 36.60 | -02 44.6 | 19.5 | -0.78 | -     | 6.5 | 1.9/02.3  | 50441 |
| 2002 GZ <sub>46</sub>  | 2003 08 31.3 | 22 36.60 | -07 32.4 | 20.5 | -0.94 | -     | 6.6 | 0.5/31.7  | 31520 |
| 1999 TB <sub>65</sub>  | 2003 08 31.3 | 22 36.60 | -06 42.2 | 19.6 | -0.85 | -     | 6.1 | 0.8/01.0  | 50424 |
| 1999 XG <sub>237</sub> | 2003 08 31.3 | 22 36.66 | -08 43.8 | 18.7 | -0.82 | -     | 4.3 | 0.0/31.3  | 50448 |
| 1999 VQ <sub>223</sub> | 2003 08 31.3 | 22 36.67 | -26 36.9 | 19.4 | -0.78 | -     | 5.0 | 4.8/25.3  | 50440 |
| 1998 VQ <sub>33</sub>  | 2003 08 31.3 | 22 36.68 | -56 29.7 | 19.8 | -1.70 | -     | 0.2 | 21.1/12.0 | 47755 |
| 2001 EL <sub>18</sub>  | 2003 08 31.3 | 22 36.78 | -17 29.6 | 19.6 | -0.77 | -     | 3.2 | 2.4/28.7  | 13822 |
| 2001 FB <sub>180</sub> | 2003 08 31.3 | 22 36.85 | -26 08.6 | 18.4 | -0.82 | -     | 4.7 | 5.5/25.5  | 50532 |
| 1999 RY <sub>106</sub> | 2003 08 31.3 | 22 36.96 | -10 02.1 | 18.3 | -1.01 | +     | 0.5 | 0.6/31.1  | 49681 |
| 1998 HE <sub>137</sub> | 2003 08 31.3 | 22 36.99 | -13 51.1 | 20.3 | -0.88 | -     | 6.6 | 1.7/29.7  | 50386 |
| 2002 CD <sub>10</sub>  | 2003 08 31.4 | 22 36.94 | +15 10.2 | 17.3 | -1.60 | +     | 8.9 | 13.1/04.1 | 49971 |
| 1998 FL <sub>52</sub>  | 2003 08 31.4 | 22 36.99 | -08 45.5 | 20.9 | -0.92 | -     | 6.3 | 0.0/31.4  | 50383 |
| 1998 HN <sub>54</sub>  | 2003 08 31.4 | 22 37.00 | -05 58.9 | 20.4 | -0.92 | -     | 4.6 | 0.9/01.2  | 50385 |
| 2001 DV <sub>41</sub>  | 2003 08 31.4 | 22 37.01 | -11 22.0 | 19.2 | -0.87 | -     | 6.9 | 1.0/30.6  | 50524 |
| 2000 YQ <sub>53</sub>  | 2003 08 31.4 | 22 37.06 | -03 08.7 | 17.6 | -0.95 | -     | 3.7 | 2.4/02.0  | 49867 |
| 1999 VS <sub>49</sub>  | 2003 08 31.4 | 22 37.17 | -01 31.7 | 18.9 | -0.85 | -     | 3.8 | 2.6/02.6  | 50435 |
| 2000 YD <sub>79</sub>  | 2003 08 31.4 | 22 37.18 | -09 21.6 | 19.8 | -0.96 | -     | 6.1 | 0.2/31.3  | 49870 |
| 1999 VG <sub>18</sub>  | 2003 08 31.4 | 22 37.22 | -06 25.4 | 18.8 | -0.84 | -     | 4.4 | 0.9/01.2  | 50433 |
| 2002 GF <sub>40</sub>  | 2003 08 31.4 | 22 37.24 | -07 13.8 | 20.3 | -0.88 | -     | 5.0 | 0.5/01.0  | 50602 |
| 2003 QE <sub>25</sub>  | 2003 08 31.4 | 22 37.26 | +00 22.9 | 18.7 | -1.06 | -     | 1.7 | 3.8/02.9  | 50301 |

|                        |              |          |          |      |       |       |     |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----|-----------|-------|
| 1999 RU <sub>82</sub>  | 2003 08 31.4 | 22 37.27 | -08 35.5 | 17.8 | -1.02 | +     | 1.0 | 0.1/31.5  | 50416 |
| 1994 SQ <sub>5</sub>   | 2003 08 31.4 | 22 37.33 | -13 29.1 | 19.2 | -0.85 | -     | 3.9 | 1.6/30.0  | 50371 |
| 1998 EY <sub>10</sub>  | 2003 08 31.4 | 22 37.36 | -18 18.5 | 18.6 | -0.96 | -     | 4.2 | 3.8/28.7  | 50382 |
| 2002 CL <sub>210</sub> | 2003 08 31.5 | 22 37.29 | -12 56.1 | 19.8 | -0.96 | -     | 5.4 | 1.7/30.2  | 50593 |
| 2000 WX <sub>149</sub> | 2003 08 31.5 | 22 37.30 | -06 33.3 | 20.9 | -0.92 | -     | 5.9 | 0.8/01.2  | 35537 |
| 2002 LG <sub>33</sub>  | 2003 08 31.5 | 22 37.32 | -18 16.6 | 19.1 | -0.71 | -     | 8.2 | 2.7/28.1  | 33613 |
| 1999 XN <sub>30</sub>  | 2003 08 31.5 | 22 37.32 | +03 43.9 | 17.7 | -0.72 | -     | 7.2 | 4.9/04.9  | 49756 |
| 2002 EF <sub>97</sub>  | 2003 08 31.5 | 22 37.37 | -49 02.9 | 18.4 | -1.28 | +     | 3.1 | 13.1/20.5 | 48222 |
| 2001 FT <sub>26</sub>  | 2003 08 31.5 | 22 37.37 | +06 42.8 | 20.3 | -0.66 | -     | 6.4 | 3.8/06.0  | 13827 |
| 2001 BC <sub>13</sub>  | 2003 08 31.5 | 22 37.40 | +11 48.8 | 19.3 | -0.84 | -     | 4.3 | 6.3/07.2  | 33892 |
| 1999 VR <sub>111</sub> | 2003 08 31.5 | 22 37.40 | +14 24.7 | 19.1 | -0.83 | -     | 3.6 | 9.7/07.8  | 2685  |
| 2002 FO <sub>4</sub>   | 2003 08 31.5 | 22 37.41 | -11 40.4 | 20.2 | -0.96 | -     | 5.8 | 1.0/30.6  | 31481 |
| 2002 GH <sub>16</sub>  | 2003 08 31.5 | 22 37.44 | -09 51.5 | 18.1 | -0.82 | -     | 7.7 | 0.5/31.1  | 50048 |
| 1999 UA <sub>35</sub>  | 2003 08 31.5 | 22 37.44 | -06 05.6 | 20.4 | -0.80 | -     | 5.3 | 0.8/01.4  | 37184 |
| 2003 QW <sub>25</sub>  | 2003 08 31.5 | 22 37.46 | -05 08.0 | 18.8 | -0.90 | -     | 3.5 | 1.7/01.6  | 50302 |
| 1998 HH <sub>112</sub> | 2003 08 31.5 | 22 37.47 | -23 23.3 | 18.5 | -0.86 | -     | 7.8 | 5.0/26.5  | 50386 |
| 1995 CL <sub>2</sub>   | 2003 08 31.5 | 22 37.50 | -11 28.9 | 18.5 | -0.75 | -11.8 |     | 1.4/30.5  | 50372 |
| 2002 JY <sub>31</sub>  | 2003 08 31.5 | 22 37.51 | -10 58.7 | 19.2 | -0.84 | -     | 5.5 | 0.7/30.8  | 50608 |
| 1999 XJ <sub>202</sub> | 2003 08 31.5 | 22 37.54 | -00 40.7 | 19.8 | -0.81 | -     | 2.3 | 2.3/02.9  | 50447 |
| 2000 AE <sub>63</sub>  | 2003 08 31.5 | 22 37.72 | -06 51.9 | 18.5 | -0.89 | -     | 2.0 | 0.6/32.0  | 50451 |
| 2001 AB <sub>47</sub>  | 2003 08 31.5 | 22 37.77 | -50 17.7 | 18.2 | -1.58 | +     | 2.3 | 13.7/18.6 | 12271 |
| 1990 RJ <sub>7</sub>   | 2003 08 31.6 | 22 37.65 | -13 57.6 | 18.7 | -0.97 | -     | 3.5 | 1.8/30.1  | 50366 |
| 1999 RJ <sub>242</sub> | 2003 08 31.6 | 22 37.66 | -10 20.8 | 18.9 | -0.91 | -     | 4.0 | 0.6/31.1  | 50421 |
| 2000 YG <sub>8</sub>   | 2003 08 31.6 | 22 37.68 | -08 42.9 | 19.0 | -0.96 | -     | 5.2 | 0.0/31.6  | 50511 |
| 2001 BK <sub>25</sub>  | 2003 08 31.6 | 22 37.68 | -07 27.5 | 18.4 | -0.91 | -     | 6.6 | 0.5/32.0  | 22764 |
| 1999 TX <sub>178</sub> | 2003 08 31.6 | 22 37.70 | -14 59.3 | 19.1 | -0.81 | -     | 5.8 | 2.4/29.5  | 50428 |
| 2001 AS <sub>15</sub>  | 2003 08 31.6 | 22 37.70 | +02 55.6 | 18.8 | -0.89 | -     | 3.6 | 3.9/04.1  | 12268 |
| 2001 DU <sub>98</sub>  | 2003 08 31.6 | 22 37.77 | +03 31.1 | 19.4 | -0.95 | -     | 1.5 | 4.1/03.9  | 50525 |
| 2002 JN <sub>11</sub>  | 2003 08 31.6 | 22 37.78 | -25 26.6 | 18.4 | -0.91 | -     | 1.9 | 5.6/26.7  | 50607 |
| 4755 P-L               | 2003 08 31.6 | 22 37.81 | +00 14.1 | 19.0 | -0.74 | -10.4 |     | 3.3/03.9  | 50810 |
| 2002 CH <sub>170</sub> | 2003 08 31.6 | 22 37.90 | -15 35.6 | 18.6 | -1.05 | -     | 4.1 | 2.8/29.7  | 30675 |
| 2002 CK <sub>302</sub> | 2003 08 31.6 | 22 37.91 | +01 33.3 | 20.0 | -0.94 | -     | 3.2 | 3.2/03.7  | 33967 |
| 2000 XN <sub>19</sub>  | 2003 08 31.6 | 22 37.95 | -12 09.5 | 19.3 | -1.06 | -     | 2.7 | 1.4/30.7  | 17503 |
| 2002 GN <sub>138</sub> | 2003 08 31.6 | 22 37.99 | +12 51.6 | 20.6 | -0.82 | -     | 6.3 | 7.7/08.4  | 50605 |
| 2002 EQ <sub>126</sub> | 2003 08 31.6 | 22 38.01 | +09 20.3 | 16.6 | -0.44 | -16.3 |     | 7.9/09.4  | 50037 |
| 1999 GD <sub>46</sub>  | 2003 08 31.6 | 22 38.07 | -31 36.7 | 17.6 | -0.95 | -     | 3.2 | 11.2/24.3 | 50407 |
| 2000 VH <sub>39</sub>  | 2003 08 31.6 | 22 38.08 | -52 20.9 | 20.0 | -1.16 | -     | 5.6 | 11.8/13.1 | 12252 |
| 1999 RX <sub>238</sub> | 2003 08 31.6 | 22 38.08 | -30 07.7 | 19.1 | -1.03 | -     | 1.8 | 7.3/25.3  | 50421 |
| 2001 FR <sub>153</sub> | 2003 08 31.7 | 22 38.06 | -02 27.1 | 19.8 | -0.66 | -     | 7.3 | 1.7/02.9  | 13361 |
| 4303 T-3               | 2003 08 31.7 | 22 38.17 | -22 32.9 | 19.0 | -0.83 | -     | 3.4 | 4.0/27.3  | 50812 |
| 1999 VV <sub>14</sub>  | 2003 08 31.7 | 22 38.22 | -11 04.6 | 20.0 | -0.95 | -     | 2.8 | 0.9/31.1  | 1521  |
| 1999 TV <sub>192</sub> | 2003 08 31.7 | 22 38.24 | -33 14.0 | 18.2 | -1.13 | +     | 3.0 | 10.6/25.8 | 50428 |
| 2001 CK <sub>43</sub>  | 2003 08 31.7 | 22 38.30 | -36 51.7 | 19.5 | -1.03 | -     | 2.9 | 8.6/22.2  | 13812 |
| 1999 KL <sub>11</sub>  | 2003 08 31.7 | 22 38.33 | -13 13.8 | 19.1 | -0.88 | -     | 7.1 | 2.1/30.3  | 49665 |
| 2003 MF <sub>10</sub>  | 2003 08 31.7 | 22 38.35 | +14 12.6 | 17.6 | -0.94 | -     | 0.4 | 10.6/08.0 | 50770 |
| 1998 XO <sub>64</sub>  | 2003 08 31.7 | 22 38.40 | +06 15.6 | 17.5 | -0.76 | -     | 2.9 | 5.5/05.4  | 50400 |
| 1995 SJ <sub>25</sub>  | 2003 08 31.8 | 22 38.39 | -10 04.6 | 19.4 | -0.91 | -     | 3.6 | 0.6/31.4  | 6728  |
| 2000 AH <sub>2</sub>   | 2003 08 31.8 | 22 38.50 | -33 18.6 | 17.4 | -0.78 | -     | 5.8 | 7.0/22.6  | 50449 |
| 1999 RS <sub>97</sub>  | 2003 08 31.8 | 22 38.51 | -20 41.4 | 18.7 | -1.04 | -     | 0.8 | 4.1/28.6  | 50417 |
| 2000 UU <sub>29</sub>  | 2003 08 31.8 | 22 38.54 | +26 19.5 | 20.8 | -0.93 | -     | 6.8 | 11.8/14.1 | 50499 |
| 2001 CB <sub>47</sub>  | 2003 08 31.8 | 22 38.57 | -08 04.0 | 19.6 | -0.95 | -     | 4.5 | 10.4/12.0 | 49899 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 RD <sub>238</sub> | 2003 08 31.8 | 22 38.58 | -30 25.1 | 19.1 | -1.00 | - 3.7 | 7.7/24.7  | 50421 |
| 2003 QM <sub>73</sub>  | 2003 08 31.8 | 22 38.60 | -05 09.5 | 18.5 | -0.66 | - 9.6 | 1.7/02.1  | 50320 |
| 1998 BH <sub>6</sub>   | 2003 08 31.8 | 22 38.62 | -12 42.4 | 19.3 | -0.94 | - 5.3 | 1.7/30.6  | 50380 |
| 2002 GH <sub>46</sub>  | 2003 08 31.8 | 22 38.64 | -13 47.6 | 19.0 | -0.84 | - 6.2 | 1.9/30.2  | 50602 |
| 1999 NQ <sub>6</sub>   | 2003 08 31.8 | 22 38.73 | -09 10.0 | 17.9 | -0.81 | - 6.9 | 0.3/31.7  | 50412 |
| 2002 CV <sub>133</sub> | 2003 08 31.8 | 22 38.77 | -09 22.6 | 19.5 | -1.05 | - 4.1 | 0.3/31.7  | 30666 |
| 2002 CJ <sub>12</sub>  | 2003 08 31.8 | 22 38.83 | +01 01.0 | 20.0 | -1.57 | + 5.0 | 4.8/02.4  | 30637 |
| 2003 QA <sub>75</sub>  | 2003 08 31.9 | 22 38.74 | -03 00.2 | 20.0 | -0.77 | - 6.4 | 2.1/02.8  | 50322 |
| 2002 GC <sub>166</sub> | 2003 08 31.9 | 22 38.87 | -36 37.4 | 18.3 | -0.98 | - 3.4 | 9.9/22.6  | 31607 |
| 2002 JD <sub>26</sub>  | 2003 08 31.9 | 22 38.97 | -10 35.2 | 19.8 | -0.89 | - 7.1 | 0.7/31.3  | 30193 |
| 2002 CF <sub>112</sub> | 2003 08 31.9 | 22 39.01 | -12 35.7 | 19.6 | -0.96 | - 5.6 | 1.5/30.7  | 50592 |
| 1998 HM <sub>104</sub> | 2003 08 31.9 | 22 39.06 | -24 18.2 | 18.1 | -0.89 | - 6.3 | 5.9/26.7  | 50385 |
| 2000 UP <sub>84</sub>  | 2003 08 31.9 | 22 39.08 | -18 43.4 | 19.5 | -1.01 | - 5.1 | 3.8/28.9  | 29482 |
| 2000 YB <sub>54</sub>  | 2003 08 31.9 | 22 39.17 | -12 36.3 | 19.9 | -0.92 | - 6.0 | 1.5/30.7  | 49867 |
| 1999 XV <sub>50</sub>  | 2003 08 31.9 | 22 39.17 | -17 29.9 | 18.7 | -0.84 | - 5.9 | 3.7/29.0  | 49758 |
| 2000 WO <sub>7</sub>   | 2003 09 01.0 | 22 39.10 | -02 22.4 | 19.5 | -0.95 | - 5.2 | 2.3/02.9  | 29528 |
| 2000 SR <sub>75</sub>  | 2003 09 01.0 | 22 39.11 | -19 44.2 | 18.7 | -0.98 | - 5.5 | 5.2/28.5  | 50489 |
| 1997 EV <sub>2</sub>   | 2003 09 01.0 | 22 39.12 | -06 57.5 | 19.3 | -0.75 | - 8.3 | 0.5/01.6  | 31222 |
| 2002 CC <sub>21</sub>  | 2003 09 01.0 | 22 39.24 | -01 06.0 | 19.2 | -0.88 | - 7.8 | 2.7/03.5  | 49974 |
| 2002 CQ <sub>25</sub>  | 2003 09 01.0 | 22 39.24 | +07 35.9 | 18.8 | -1.63 | + 9.1 | 8.7/03.0  | 30640 |
| 2003 QT <sub>7</sub>   | 2003 09 01.0 | 22 39.24 | -09 32.0 | 19.2 | -0.83 | - 7.4 | 0.5/31.7  | 50292 |
| 1998 HB <sub>42</sub>  | 2003 09 01.0 | 22 39.26 | -08 40.1 | 18.3 | -0.72 | - 8.5 | 0.1/32.0  | 50385 |
| 2002 GP <sub>21</sub>  | 2003 09 01.0 | 22 39.28 | -03 15.5 | 19.7 | -0.85 | - 5.5 | 1.6/02.7  | 50602 |
| 1998 KN <sub>31</sub>  | 2003 09 01.0 | 22 39.34 | -19 00.3 | 20.1 | -0.87 | - 5.9 | 3.5/28.7  | 47732 |
| 2003 QG <sub>49</sub>  | 2003 09 01.0 | 22 39.36 | -12 35.7 | 17.8 | -1.11 | - 1.1 | 1.9/31.0  | 50311 |
| 2000 VK <sub>10</sub>  | 2003 09 01.0 | 22 39.37 | -10 51.2 | 18.4 | -0.96 | - 6.4 | 0.9/31.3  | 50501 |
| 1998 FC <sub>123</sub> | 2003 09 01.0 | 22 39.41 | -17 32.1 | 19.0 | -0.91 | - 4.5 | 3.6/29.3  | 50384 |
| 1981 EF <sub>34</sub>  | 2003 09 01.0 | 22 39.43 | -04 29.5 | 20.5 | -0.87 | - 4.7 | 1.3/02.3  | 9011  |
| 1998 HA <sub>38</sub>  | 2003 09 01.0 | 22 39.46 | -12 41.6 | 18.5 | -0.98 | - 3.3 | 1.5/30.9  | 50385 |
| 2003 QX <sub>21</sub>  | 2003 09 01.0 | 22 39.49 | +01 12.0 | 17.7 | -0.87 | - 2.7 | 3.8/03.9  | 50299 |
| 2002 JQ <sub>14</sub>  | 2003 09 01.0 | 22 39.52 | -39 30.9 | 18.8 | -1.04 | - 3.1 | 10.2/21.9 | 32015 |
| 1998 EM <sub>13</sub>  | 2003 09 01.1 | 22 39.50 | -11 50.5 | 19.5 | -0.89 | - 6.6 | 1.1/31.0  | 50382 |
| 1999 UY <sub>20</sub>  | 2003 09 01.1 | 22 39.54 | -08 18.7 | 19.8 | -0.84 | - 6.3 | 0.1/01.2  | 50432 |
| 2002 EL <sub>127</sub> | 2003 09 01.1 | 22 39.59 | -14 38.7 | 19.2 | -0.86 | - 5.3 | 2.4/30.2  | 50599 |
| 2002 GU <sub>72</sub>  | 2003 09 01.1 | 22 39.71 | -06 25.9 | 18.9 | -0.88 | - 8.4 | 0.8/01.8  | 50055 |
| 2001 EU <sub>19</sub>  | 2003 09 01.1 | 22 39.73 | -15 59.1 | 18.3 | -0.86 | - 1.3 | 2.5/30.1  | 50526 |
| 2003 QE <sub>8</sub>   | 2003 09 01.1 | 22 39.75 | +07 22.9 | 19.1 | -0.72 | - 5.6 | 5.2/06.6  | 50293 |
| 2001 EQ <sub>18</sub>  | 2003 09 01.1 | 22 39.79 | -08 05.2 | 19.8 | -1.10 | + 0.7 | 0.1/01.3  | 49908 |
| 2002 CW <sub>25</sub>  | 2003 09 01.1 | 22 39.83 | -18 45.1 | 18.2 | -1.76 | + 7.3 | 5.4/30.7  | 49975 |
| 1999 RD <sub>187</sub> | 2003 09 01.1 | 22 39.84 | -09 22.8 | 18.4 | -0.87 | - 4.0 | 0.4/31.9  | 50420 |
| 1999 TF <sub>181</sub> | 2003 09 01.1 | 22 39.85 | -00 17.7 | 18.4 | -0.77 | - 3.8 | 3.9/03.7  | 49715 |
| 1999 TJ <sub>291</sub> | 2003 09 01.1 | 22 39.92 | -34 57.8 | 18.8 | -0.99 | - 0.4 | 11.3/24.0 | 50431 |
| 2001 DS <sub>76</sub>  | 2003 09 01.2 | 22 39.82 | -07 32.5 | 19.4 | -0.71 | - 7.3 | 0.3/01.5  | 50525 |
| 1993 LJ <sub>1</sub>   | 2003 09 01.2 | 22 39.87 | -01 54.6 | 18.6 | -0.91 | - 2.4 | 2.0/03.1  | 50369 |
| 2002 EK <sub>79</sub>  | 2003 09 01.2 | 22 39.90 | +00 09.0 | 18.7 | -0.96 | - 5.4 | 3.7/03.9  | 50028 |
| 2000 UO <sub>28</sub>  | 2003 09 01.2 | 22 39.99 | -02 08.5 | 18.6 | -1.00 | - 3.5 | 2.5/03.0  | 50498 |
| 1995 UD <sub>52</sub>  | 2003 09 01.2 | 22 40.00 | -10 54.7 | 21.0 | -0.82 | - 6.3 | 0.8/31.4  | 6730  |
| 2001 AX <sub>50</sub>  | 2003 09 01.2 | 22 40.02 | -04 45.8 | 19.7 | -0.95 | - 4.7 | 1.5/02.3  | 17532 |
| 2001 EG <sub>1</sub>   | 2003 09 01.2 | 22 40.03 | -22 48.0 | 18.7 | -1.05 | - 2.1 | 5.5/28.1  | 50526 |
| 2002 JB <sub>76</sub>  | 2003 09 01.2 | 22 40.07 | -25 45.0 | 18.3 | -1.01 | 0.0   | 6.8/27.7  | 50082 |
| 2001 AW <sub>43</sub>  | 2003 09 01.2 | 22 40.09 | -14 17.6 | 19.6 | -0.81 | - 6.0 | 2.0/30.3  | 50517 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2000 YQ <sub>86</sub>  | 2003 09 01.2 | 22 40.09 | -12 47.8 | 18.5 | -0.93 | - 8.2 | 1.7/30.8  | 50514 |
| 2003 QH <sub>66</sub>  | 2003 09 01.2 | 22 40.10 | -06 32.7 | 18.6 | -0.89 | - 4.1 | 0.9/01.8  | 50318 |
| 1999 RV <sub>204</sub> | 2003 09 01.2 | 22 40.13 | +04 10.1 | 17.0 | -1.09 | + 4.7 | 6.2/03.8  | 50420 |
| 2002 CS <sub>53</sub>  | 2003 09 01.2 | 22 40.16 | -07 12.9 | 18.9 | -0.91 | - 6.9 | 0.5/01.7  | 49981 |
| 2002 GO <sub>113</sub> | 2003 09 01.2 | 22 40.18 | -09 24.7 | 19.5 | -0.90 | - 8.5 | 0.4/31.9  | 50063 |
| 1999 RY <sub>234</sub> | 2003 09 01.2 | 22 40.22 | -16 49.4 | 17.8 | -0.79 | - 7.7 | 3.9/29.3  | 49693 |
| 1998 RO <sub>76</sub>  | 2003 09 01.2 | 22 40.27 | -22 12.3 | 18.9 | -0.91 | - 1.2 | 4.8/28.4  | 50391 |
| 2002 JN <sub>25</sub>  | 2003 09 01.3 | 22 40.22 | -22 08.0 | 19.2 | -0.86 | - 5.0 | 4.5/27.9  | 50608 |
| 1999 RQ <sub>159</sub> | 2003 09 01.3 | 22 40.26 | -13 53.0 | 18.1 | -0.74 | - 5.9 | 2.6/30.5  | 49686 |
| 2002 EN <sub>32</sub>  | 2003 09 01.3 | 22 40.29 | -23 44.3 | 17.8 | -0.93 | - 5.0 | 6.9/27.5  | 31977 |
| 1999 UF <sub>30</sub>  | 2003 09 01.3 | 22 40.32 | -14 26.3 | 19.5 | -0.88 | - 4.3 | 2.2/30.5  | 50432 |
| 2003 QQ <sub>48</sub>  | 2003 09 01.3 | 22 40.36 | -09 09.0 | 18.7 | -0.96 | - 4.6 | 0.3/01.1  | 50311 |
| 1999 XM <sub>183</sub> | 2003 09 01.3 | 22 40.36 | -10 20.3 | 19.2 | -0.93 | - 2.8 | 0.7/31.8  | 49768 |
| 1999 RQ <sub>238</sub> | 2003 09 01.3 | 22 40.40 | +15 43.8 | 18.8 | -0.88 | - 3.1 | 8.6/09.1  | 50421 |
| 1999 XF <sub>178</sub> | 2003 09 01.3 | 22 40.41 | +07 19.3 | 19.2 | -0.79 | - 1.8 | 4.1/06.0  | 39565 |
| 2002 LN <sub>17</sub>  | 2003 09 01.3 | 22 40.47 | -25 12.2 | 18.0 | -0.78 | - 4.6 | 5.4/26.7  | 50613 |
| 1999 XP <sub>157</sub> | 2003 09 01.3 | 22 40.52 | -05 21.2 | 19.0 | -0.77 | - 6.3 | 1.2/02.4  | 49766 |
| 1998 KE <sub>24</sub>  | 2003 09 01.3 | 22 40.54 | -30 27.5 | 19.6 | -0.99 | - 3.4 | 7.1/25.6  | 33768 |
| 2000 YX <sub>127</sub> | 2003 09 01.3 | 22 40.56 | -08 00.4 | 18.1 | -0.86 | - 4.0 | 0.2/01.5  | 50515 |
| 1998 WN <sub>4</sub>   | 2003 09 01.3 | 22 40.59 | -48 36.0 | 18.4 | -1.22 | -10.7 | 17.1/17.0 | 50398 |
| 2001 BB <sub>34</sub>  | 2003 09 01.3 | 22 40.60 | -08 05.2 | 18.5 | -0.72 | - 4.3 | 0.1/01.5  | 50519 |
| 1998 FS <sub>122</sub> | 2003 09 01.4 | 22 40.59 | -14 34.4 | 19.3 | -0.94 | - 5.4 | 2.2/30.5  | 50384 |
| 2003 QO <sub>51</sub>  | 2003 09 01.4 | 22 40.60 | +06 23.8 | 18.8 | -0.81 | - 3.0 | 5.2/06.0  | 50312 |
| 2003 QJ <sub>99</sub>  | 2003 09 01.4 | 22 40.60 | -04 56.1 | 19.0 | -0.76 | - 9.7 | 1.5/02.7  | 50324 |
| 2000 BZ <sub>26</sub>  | 2003 09 01.4 | 22 40.66 | -14 48.3 | 18.7 | -0.71 | - 6.2 | 1.8/30.2  | 49785 |
| 2002 KF <sub>14</sub>  | 2003 09 01.4 | 22 40.67 | -18 06.7 | 19.1 | -0.82 | - 8.1 | 3.1/29.0  | 50612 |
| 2002 LP <sub>45</sub>  | 2003 09 01.4 | 22 40.70 | -06 09.2 | 19.8 | -0.73 | - 4.9 | 0.7/02.2  | 50613 |
| 2002 EH <sub>89</sub>  | 2003 09 01.4 | 22 40.70 | -14 41.1 | 17.5 | -0.99 | + 0.7 | 2.3/30.9  | 50031 |
| 2000 DD <sub>32</sub>  | 2003 09 01.4 | 22 40.71 | -06 56.0 | 19.8 | -0.66 | - 9.6 | 0.4/02.0  | 49790 |
| 2002 GU <sub>64</sub>  | 2003 09 01.4 | 22 40.71 | -06 58.0 | 20.6 | -0.82 | - 6.5 | 0.5/01.9  | 50603 |
| 2001 FR <sub>33</sub>  | 2003 09 01.4 | 22 40.75 | +00 21.6 | 19.5 | -0.80 | - 3.2 | 2.5/04.1  | 50528 |
| 2002 CT <sub>95</sub>  | 2003 09 01.4 | 22 40.87 | -10 31.4 | 19.6 | -0.92 | - 6.5 | 0.8/31.8  | 49986 |
| 2002 JR                | 2003 09 01.4 | 22 40.95 | -06 06.8 | 19.3 | -0.71 | - 7.0 | 0.7/02.3  | 50606 |
| 1998 HG <sub>109</sub> | 2003 09 01.4 | 22 40.96 | -12 42.6 | 19.5 | -0.80 | - 9.8 | 1.6/30.9  | 50386 |
| 2002 EJ <sub>94</sub>  | 2003 09 01.5 | 22 40.92 | -08 43.0 | 18.9 | -0.89 | - 6.3 | 0.2/01.4  | 50032 |
| 1998 TR <sub>19</sub>  | 2003 09 01.5 | 22 40.94 | -42 04.6 | 19.0 | -1.73 | + 3.4 | 15.2/24.5 | 30287 |
| 1999 XC <sub>127</sub> | 2003 09 01.5 | 22 40.94 | -04 53.3 | 18.8 | -0.84 | - 3.7 | 1.2/02.5  | 49765 |
| 2002 JT <sub>80</sub>  | 2003 09 01.5 | 22 40.96 | -01 10.3 | 19.4 | -0.87 | - 5.7 | 2.4/03.8  | 50610 |
| 2002 JW <sub>133</sub> | 2003 09 01.5 | 22 40.96 | -12 02.6 | 19.2 | -0.80 | - 2.9 | 1.3/31.4  | 50089 |
| 1992 EN <sub>29</sub>  | 2003 09 01.5 | 22 40.98 | -01 56.9 | 20.0 | -0.80 | - 4.8 | 2.0/03.5  | 50367 |
| 2001 FE <sub>101</sub> | 2003 09 01.5 | 22 40.98 | +04 07.5 | 19.7 | -0.84 | - 5.3 | 4.0/05.5  | 13840 |
| 2000 YG <sub>100</sub> | 2003 09 01.5 | 22 41.00 | +07 03.8 | 19.1 | -0.82 | - 7.6 | 5.2/06.8  | 12264 |
| 1999 RH <sub>208</sub> | 2003 09 01.5 | 22 41.02 | +00 13.9 | 18.0 | -1.05 | 0.0   | 3.4/03.6  | 50420 |
| 2003 PO <sub>6</sub>   | 2003 09 01.5 | 22 41.05 | -01 43.5 | 17.0 | -0.99 | - 1.6 | 3.0/03.3  | 50283 |
| 1999 VS <sub>90</sub>  | 2003 09 01.5 | 22 41.05 | -03 35.1 | 18.0 | -0.79 | - 6.5 | 1.9/03.1  | 50436 |
| 2002 JS <sub>103</sub> | 2003 09 01.5 | 22 41.11 | -05 07.0 | 19.9 | -0.77 | - 5.0 | 1.0/02.6  | 50610 |
| 2001 AP <sub>15</sub>  | 2003 09 01.5 | 22 41.13 | -00 03.9 | 19.3 | -0.87 | - 5.1 | 2.7/04.1  | 12268 |
| 2000 WR <sub>164</sub> | 2003 09 01.5 | 22 41.16 | -25 57.4 | 20.1 | -0.97 | - 6.7 | 6.0/26.6  | 31927 |
| 2000 SZ <sub>170</sub> | 2003 09 01.5 | 22 41.20 | -11 42.1 | 19.4 | -1.03 | - 4.5 | 1.4/31.6  | 50492 |
| 1998 VN <sub>31</sub>  | 2003 09 01.5 | 22 41.27 | +01 51.3 | 18.5 | -0.72 | - 4.6 | 3.0/04.9  | 50398 |
| 1999 UT <sub>15</sub>  | 2003 09 01.5 | 22 41.28 | -07 44.8 | 18.7 | -0.79 | - 7.3 | 0.2/01.8  | 50432 |



2003 SEPT. 10

M.P.C. 49689

|                        |              |          |          |      |       |       |          |       |                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-------|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 AE <sub>9</sub>   | 2003 09 01.6 | 22 41.33 | -04 19.6 | 21.2 | -0.88 | - 4.6 | 1.3/02.8 | 48003 | 2001 AL <sub>53</sub>  | 2003 09 01.9 | 22 42.60 | +03 09.3 | 20.0 | -0.90 | - 2.6 | 3.6/05.2  | 38289 |
| 2003 QY <sub>25</sub>  | 2003 09 01.6 | 22 41.34 | -03 50.0 | 17.8 | -0.73 | - 4.4 | 2.1/03.1 | 50302 | 2000 SG <sub>105</sub> | 2003 09 01.9 | 22 42.61 | -15 42.2 | 18.7 | -1.00 | - 5.5 | 2.8/30.7  | 50490 |
| 1999 XG <sub>261</sub> | 2003 09 01.6 | 22 41.34 | -12 15.3 | 18.8 | -0.85 | - 1.0 | 1.1/31.5 | 50449 | 2003 QJ <sub>15</sub>  | 2003 09 01.9 | 22 42.66 | +00 01.8 | 19.5 | -0.78 | - 2.5 | 2.4/04.4  | 50296 |
| 1998 EZ <sub>19</sub>  | 2003 09 01.6 | 22 41.37 | -07 09.8 | 19.4 | -1.01 | - 3.5 | 0.4/01.9 | 50382 | 1999 XG <sub>90</sub>  | 2003 09 01.9 | 22 42.77 | -23 27.0 | 18.3 | -0.77 | - 5.7 | 4.6/27.7  | 50443 |
| 2002 LS <sub>1</sub>   | 2003 09 01.6 | 22 41.42 | -09 12.8 | 20.9 | -0.82 | - 6.2 | 0.3/01.3 | 31767 | 2002 CX <sub>95</sub>  | 2003 09 01.9 | 22 42.81 | -08 31.5 | 20.3 | -0.98 | - 4.2 | 0.1/01.9  | 50591 |
| 1999 YM <sub>12</sub>  | 2003 09 01.6 | 22 41.45 | -02 17.9 | 18.7 | -0.76 | - 3.6 | 1.7/03.5 | 50449 | 2000 WS <sub>167</sub> | 2003 09 02.0 | 22 42.73 | -26 12.8 | 18.2 | -0.79 | - 7.1 | 9.1/26.3  | 49853 |
| 1999 TD <sub>139</sub> | 2003 09 01.6 | 22 41.52 | -10 50.8 | 19.3 | -0.87 | - 4.1 | 1.0/31.9 | 50426 | 2003 QE <sub>45</sub>  | 2003 09 02.0 | 22 42.75 | -12 44.5 | 18.5 | -0.79 | -10.5 | 2.0/31.3  | 50309 |
| 1999 RW <sub>185</sub> | 2003 09 01.6 | 22 41.59 | -10 17.6 | 18.8 | -0.94 | - 2.5 | 0.8/01.1 | 49689 | 2000 UA <sub>62</sub>  | 2003 09 02.0 | 22 42.77 | -02 00.2 | 18.0 | -0.90 | - 4.7 | 3.1/03.9  | 49834 |
| 2001 DH <sub>56</sub>  | 2003 09 01.6 | 22 41.61 | -10 08.9 | 19.4 | -0.77 | - 6.6 | 0.7/01.0 | 50524 | 2002 JY <sub>132</sub> | 2003 09 02.0 | 22 42.78 | -09 07.6 | 19.5 | -0.86 | - 3.5 | 0.4/01.7  | 50611 |
| 2002 EB <sub>90</sub>  | 2003 09 01.6 | 22 41.63 | -01 40.0 | 19.3 | -0.97 | - 6.4 | 2.7/03.7 | 33970 | 1999 TG <sub>201</sub> | 2003 09 02.0 | 22 42.79 | -04 24.7 | 19.9 | -0.87 | - 5.0 | 1.4/03.2  | 50428 |
| 2001 CM <sub>21</sub>  | 2003 09 01.7 | 22 41.64 | -25 10.5 | 19.8 | -0.82 | - 6.4 | 5.1/26.8 | 50521 | 1999 TX <sub>187</sub> | 2003 09 02.0 | 22 42.83 | -25 06.6 | 18.4 | -1.34 | + 8.8 | 8.4/30.5  | 49717 |
| 1999 TP <sub>162</sub> | 2003 09 01.7 | 22 41.66 | +00 59.4 | 18.6 | -0.83 | - 6.1 | 3.9/04.8 | 49713 | 2002 EK <sub>73</sub>  | 2003 09 02.0 | 22 42.85 | -10 10.4 | 19.3 | -0.90 | - 3.3 | 0.7/01.4  | 50597 |
| 2002 FR <sub>28</sub>  | 2003 09 01.7 | 22 41.69 | -18 23.2 | 19.6 | -0.88 | - 5.5 | 3.7/29.5 | 41765 | 2000 YU <sub>93</sub>  | 2003 09 02.0 | 22 42.85 | -18 58.2 | 19.2 | -0.88 | - 5.3 | 3.5/29.6  | 31932 |
| 1999 XT <sub>216</sub> | 2003 09 01.7 | 22 41.72 | -16 26.5 | 19.4 | -0.73 | - 5.2 | 2.3/30.0 | 50447 | 2002 CW <sub>53</sub>  | 2003 09 02.0 | 22 43.02 | -05 15.3 | 19.6 | -0.94 | - 6.0 | 1.1/03.0  | 50590 |
| 2002 JC <sub>49</sub>  | 2003 09 01.7 | 22 41.73 | -01 40.6 | 20.8 | -0.93 | - 5.4 | 2.2/03.7 | 31673 | 2000 WJ <sub>24</sub>  | 2003 09 02.0 | 22 43.03 | +02 40.1 | 20.2 | -0.86 | - 7.8 | 3.6/05.7  | 50504 |
| 2000 EL <sub>79</sub>  | 2003 09 01.7 | 22 41.74 | -13 30.7 | 19.8 | -0.74 | - 5.7 | 1.5/31.0 | 50465 | 2000 SG <sub>293</sub> | 2003 09 02.0 | 22 43.05 | -39 36.0 | 19.2 | -1.40 | + 2.0 | 10.7/25.1 | 30404 |
| 2002 CF <sub>239</sub> | 2003 09 01.7 | 22 41.77 | -03 38.3 | 19.3 | -0.91 | - 7.8 | 1.8/03.3 | 30688 | 2001 DS <sub>18</sub>  | 2003 09 02.0 | 22 43.06 | -21 37.4 | 18.3 | -0.93 | - 0.4 | 3.9/29.4  | 50523 |
| 2000 XD <sub>12</sub>  | 2003 09 01.7 | 22 41.88 | -15 50.6 | 19.5 | -1.03 | - 3.1 | 3.0/30.6 | 50509 | 1999 VP <sub>198</sub> | 2003 09 02.0 | 22 43.06 | -15 59.6 | 19.0 | -0.74 | - 8.7 | 3.2/30.2  | 50439 |
| 1999 XX <sub>197</sub> | 2003 09 01.7 | 22 41.94 | -27 01.0 | 18.3 | -0.85 | - 3.2 | 5.6/26.7 | 50447 | 1998 SH <sub>32</sub>  | 2003 09 02.0 | 22 43.08 | +21 48.9 | 18.9 | -0.78 | -19.3 | 13.4/16.4 | 50392 |
| 2003 QB <sub>18</sub>  | 2003 09 01.7 | 22 41.96 | -14 00.8 | 17.0 | -0.66 | - 5.7 | 3.0/30.8 | 50297 | 2000 SH <sub>156</sub> | 2003 09 02.0 | 22 43.15 | -19 13.9 | 19.0 | -1.11 | - 2.5 | 4.5/30.1  | 47954 |
| 1996 RU <sub>6</sub>   | 2003 09 01.7 | 22 41.97 | -13 18.3 | 18.9 | -1.12 | - 0.8 | 2.0/31.5 | 49642 | 1998 SA <sub>9</sub>   | 2003 09 02.1 | 22 43.10 | -09 41.3 | 19.9 | -0.77 | - 4.6 | 0.6/01.6  | 14118 |
| 1999 TP <sub>103</sub> | 2003 09 01.7 | 22 42.08 | -04 46.9 | 19.0 | -0.89 | - 3.2 | 1.5/02.8 | 50425 | 2001 DT <sub>88</sub>  | 2003 09 02.1 | 22 43.14 | -11 13.3 | 20.0 | -0.75 | - 3.6 | 0.8/01.1  | 13817 |
| 2000 YY <sub>52</sub>  | 2003 09 01.8 | 22 42.03 | -01 34.1 | 18.9 | -0.93 | - 4.2 | 2.7/03.8 | 49867 | 2002 HB <sub>4</sub>   | 2003 09 02.1 | 22 43.25 | -33 10.5 | 19.1 | -0.93 | - 4.0 | 8.0/24.8  | 50606 |
| 1999 VB <sub>189</sub> | 2003 09 01.8 | 22 42.07 | +12 24.6 | 19.0 | -0.77 | - 6.1 | 7.1/09.0 | 49750 | 2002 ES <sub>90</sub>  | 2003 09 02.1 | 22 43.25 | -10 39.1 | 19.8 | -0.96 | - 6.5 | 1.1/01.3  | 50032 |
| 1999 XU <sub>80</sub>  | 2003 09 01.8 | 22 42.08 | -13 27.2 | 18.6 | -0.79 | - 4.9 | 1.8/31.1 | 50443 | 1999 VL <sub>158</sub> | 2003 09 02.1 | 22 43.31 | -03 54.3 | 19.0 | -0.83 | - 4.7 | 1.6/03.5  | 47824 |
| 2001 BG <sub>80</sub>  | 2003 09 01.8 | 22 42.10 | +01 34.7 | 17.2 | -0.74 | -13.0 | 4.3/05.6 | 49894 | 2002 FE <sub>17</sub>  | 2003 09 02.1 | 22 43.32 | -18 30.5 | 18.6 | -0.92 | - 8.1 | 4.2/29.7  | 50043 |
| 2003 QJ <sub>100</sub> | 2003 09 01.8 | 22 42.13 | -05 25.9 | 19.4 | -0.88 | - 3.2 | 1.0/02.6 | 50325 | 2002 JV <sub>39</sub>  | 2003 09 02.1 | 22 43.35 | +01 42.2 | 19.4 | -0.69 | - 7.4 | 3.1/05.7  | 50608 |
| 2003 QV <sub>69</sub>  | 2003 09 01.8 | 22 42.14 | -04 41.7 | 19.8 | -0.91 | - 5.5 | 1.5/02.9 | 50319 | 2000 AE <sub>101</sub> | 2003 09 02.1 | 22 43.38 | -30 37.4 | 17.9 | -0.92 | - 7.0 | 8.1/24.7  | 50452 |
| 2000 YM <sub>80</sub>  | 2003 09 01.8 | 22 42.15 | +00 35.5 | 19.2 | -0.80 | - 4.6 | 2.5/04.7 | 50513 | 2002 DD <sub>16</sub>  | 2003 09 02.1 | 22 43.38 | -11 39.9 | 20.0 | -0.93 | - 6.0 | 1.4/01.1  | 50595 |
| 1999 VV <sub>2</sub>   | 2003 09 01.8 | 22 42.16 | -00 38.9 | 18.6 | -0.82 | - 3.8 | 3.3/04.1 | 49736 | 2002 JQ <sub>52</sub>  | 2003 09 02.1 | 22 43.39 | -22 50.7 | 19.8 | -0.81 | - 3.5 | 4.5/28.5  | 48234 |
| 2003 QD <sub>31</sub>  | 2003 09 01.8 | 22 42.18 | -04 39.0 | 19.3 | -0.79 | - 4.8 | 1.8/03.0 | 50303 | 1999 PB                | 2003 09 02.1 | 22 43.43 | -06 31.6 | 17.9 | -0.92 | - 2.8 | 0.7/02.6  | 50413 |
| 2002 CV <sub>248</sub> | 2003 09 01.8 | 22 42.21 | +00 26.3 | 19.9 | -0.93 | - 6.2 | 3.2/04.6 | 50008 | 2002 JP <sub>47</sub>  | 2003 09 02.1 | 22 43.43 | -07 27.7 | 20.0 | -0.96 | - 4.9 | 0.2/02.4  | 50609 |
| 2002 EF <sub>74</sub>  | 2003 09 01.8 | 22 42.29 | -01 41.0 | 19.1 | -0.85 | - 6.3 | 2.3/04.0 | 31979 | 2002 FO <sub>22</sub>  | 2003 09 02.1 | 22 43.48 | -37 01.3 | 17.5 | -1.17 | + 1.2 | 12.2/25.5 | 50600 |
| 1999 TO <sub>105</sub> | 2003 09 01.8 | 22 42.31 | -32 19.4 | 18.2 | -1.15 | + 0.9 | 9.3/26.2 | 50425 | 2003 OD <sub>15</sub>  | 2003 09 02.1 | 22 43.49 | +07 50.8 | 18.4 | -0.73 | - 4.4 | 5.1/07.5  | 50261 |
| 1998 SF <sub>157</sub> | 2003 09 01.8 | 22 42.34 | -26 55.1 | 18.3 | -0.97 | - 0.3 | 6.1/27.6 | 13582 | 2000 VV <sub>21</sub>  | 2003 09 02.2 | 22 43.47 | -14 56.2 | 19.0 | -0.93 | - 6.3 | 2.6/31.0  | 50502 |
| 1999 JC <sub>10</sub>  | 2003 09 01.8 | 22 42.35 | -05 51.2 | 19.4 | -0.90 | - 9.2 | 0.9/02.7 | 50408 | 2000 SO <sub>66</sub>  | 2003 09 02.2 | 22 43.48 | -03 44.4 | 18.7 | -0.94 | - 8.0 | 1.9/03.6  | 50489 |
| 1999 XU <sub>180</sub> | 2003 09 01.8 | 22 42.44 | -29 32.8 | 18.6 | -0.81 | - 4.8 | 6.0/25.4 | 47834 | 2000 SE <sub>113</sub> | 2003 09 02.2 | 22 43.48 | -06 27.0 | 17.9 | -0.80 | - 8.2 | 0.8/02.8  | 50490 |
| 2000 WT <sub>24</sub>  | 2003 09 01.9 | 22 42.37 | -03 22.6 | 18.7 | -0.98 | - 4.1 | 2.1/03.3 | 50504 | 2000 YN <sub>84</sub>  | 2003 09 02.2 | 22 43.49 | -27 03.1 | 20.3 | -0.87 | - 6.6 | 5.5/26.6  | 50514 |
| 1996 HT <sub>11</sub>  | 2003 09 01.9 | 22 42.39 | -10 01.0 | 19.7 | -0.74 | - 4.3 | 0.5/01.3 | 47702 | 1999 XN <sub>146</sub> | 2003 09 02.2 | 22 43.53 | -13 04.1 | 19.6 | -0.78 | - 4.7 | 1.5/31.6  | 47833 |
| 1995 WX <sub>16</sub>  | 2003 09 01.9 | 22 42.39 | +01 33.4 | 19.5 | -0.83 | - 5.7 | 3.3/05.1 | 50374 | 2002 EF <sub>41</sub>  | 2003 09 02.2 | 22 43.60 | -10 08.3 | 18.6 | -1.02 | - 2.9 | 0.8/01.7  | 50597 |
| 2001 DU <sub>31</sub>  | 2003 09 01.9 | 22 42.39 | -11 17.3 | 20.6 | -0.69 | - 7.5 | 0.8/31.8 | 48011 | 1999 TE <sub>16</sub>  | 2003 09 02.2 | 22 43.63 | -22 02.3 | 18.7 | -1.03 | - 2.3 | 4.7/29.2  | 33826 |
| 2000 RE <sub>36</sub>  | 2003 09 01.9 | 22 42.40 | -14 58.8 | 18.8 | -1.01 | - 2.7 | 3.5/31.0 | 50486 | 2001 CH <sub>11</sub>  | 2003 09 02.2 | 22 43.66 | -07 49.7 | 20.5 | -0.94 | - 3.3 | 0.1/02.3  | 49897 |
| 1999 TS <sub>191</sub> | 2003 09 01.9 | 22 42.41 | -00 05.6 | 19.0 | -0.83 | - 0.3 | 4.2/04.1 | 2668  | 2001 EB <sub>3</sub>   | 2003 09 02.2 | 22 43.70 | -10 59.1 | 20.6 | -0.73 | - 4.6 | 0.8/01.3  | 11929 |
| 2002 CU <sub>145</sub> | 2003 09 01.9 | 22 42.45 | -08 22.4 | 18.5 | -0.88 | -23.2 | 0.1/01.8 | 49996 | 2003 QP <sub>32</sub>  | 2003 09 02.2 | 22 43.72 | -07 06.3 | 19.2 | -0.84 | - 4.0 | 0.4/02.6  | 50304 |
| 2000 AL <sub>29</sub>  | 2003 09 01.9 | 22 42.45 | -09 53.1 | 18.7 | -0.78 | - 4.3 | 0.5/01.4 | 50450 | 1999 UC <sub>42</sub>  | 2003 09 02.2 | 22 43.75 | +03 11.4 | 18.8 | -0.83 | - 4.8 | 3.9/05.9  | 50432 |
| 2002 GD <sub>49</sub>  | 2003 09 01.9 | 22 42.46 | -04 57.6 | 18.9 | -0.88 | - 6.1 | 1.3/03.0 | 50602 | 2003 QD <sub>18</sub>  | 2003 09 02.2 | 22 43.75 | -14 51.9 | 18.0 | -0.81 | - 3.8 | 3.5/31.1  | 50297 |
| 2003 QM <sub>32</sub>  | 2003 09 01.9 | 22 42.50 | -07 14.9 | 18.8 | -0.77 | - 7.5 | 0.4/02.3 | 50304 | 2003 QR <sub>49</sub>  | 2003 09 02.2 | 22 43.77 | -06 53.4 | 19.3 | -1.03 | - 1.2 | 0.6/02.6  | 50311 |
| 1999 TK <sub>279</sub> | 2003 09 01.9 | 22 42.54 | -22 26.3 | 19.3 | -1.11 | - 0.7 | 5.8/29.1 | 50431 | 2002 EO <sub>98</sub>  | 2003 09 02.2 | 22 43.80 | -04 35.5 | 20.8 | -0.89 | - 5.9 | 1.2/03.4  | 50598 |
| 2000 HL <sub>14</sub>  | 2003 09 01.9 | 22 42.57 | -42 51.3 | 19.1 | -1.01 | - 1.2 | 8.3/21.0 | 23533 | 2002 AD <sub>14</sub>  | 2003 09 02.2 | 22 43.84 | -10 41.8 | 19.5 | -0.97 | - 5.4 | 0.9/01.5  | 50585 |
| 2002 GY <sub>72</sub>  | 2003 09 01.9 | 22 42.57 | -12 56.6 | 19.5 | -0.87 | - 6.0 | 1.7/31.4 | 48228 | 2003 QR <sub>48</sub>  | 2003 09 02.2 | 22 43.87 | -08 53.2 | 18.8 | -0.66 | - 9.7 | 0.3/02.0  | 50311 |
| 2003 QH <sub>49</sub>  | 2003 09 01.9 | 22 42.59 | -11 13.9 | 19.5 | -0.89 | - 2.8 | 1.4/01.1 | 50311 | 1999 SD <sub>3</sub>   | 2003 09 02.2 | 22 43.93 | +07 03.8 | 17.4 | -1.38 | + 5.1 | 5.9/04.8  | 49695 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2003 OU <sub>30</sub>  | 2003 09 02.3 | 22 43.88 | -11 46.5 | 19.0 | -0.79 | - 9.4 | 1.6/32.0  | 50272 |
| 1998 SM <sub>64</sub>  | 2003 09 02.3 | 22 43.90 | +06 19.0 | 18.1 | -0.68 | - 7.7 | 3.7/07.5  | 50393 |
| 1999 RW <sub>165</sub> | 2003 09 02.3 | 22 43.90 | -08 18.9 | 19.3 | -0.81 | - 6.9 | 0.1/02.2  | 50419 |
| 1996 TB <sub>30</sub>  | 2003 09 02.3 | 22 43.93 | -11 44.0 | 18.7 | -0.87 | - 4.2 | 1.8/01.2  | 49643 |
| 2001 DS <sub>35</sub>  | 2003 09 02.3 | 22 44.00 | -09 36.9 | 19.8 | -0.85 | - 7.5 | 0.6/01.8  | 50524 |
| 2001 FY <sub>148</sub> | 2003 09 02.3 | 22 44.03 | -02 04.8 | 19.0 | -0.68 | - 7.2 | 1.9/04.5  | 49916 |
| 1999 RJ <sub>185</sub> | 2003 09 02.3 | 22 44.04 | -29 17.2 | 18.1 | -1.21 | + 1.2 | 7.3/28.1  | 50420 |
| 2002 JY <sub>98</sub>  | 2003 09 02.3 | 22 44.13 | -21 18.0 | 19.5 | -0.76 | -11.1 | 5.0/28.3  | 48236 |
| 1999 RM <sub>93</sub>  | 2003 09 02.3 | 22 44.16 | -18 57.5 | 19.4 | -1.01 | - 0.9 | 4.5/30.5  | 50417 |
| 2003 QO <sub>15</sub>  | 2003 09 02.3 | 22 44.19 | +00 58.2 | 19.1 | -0.77 | - 4.3 | 3.0/05.2  | 50296 |
| 2000 YA <sub>116</sub> | 2003 09 02.3 | 22 44.21 | -22 18.2 | 19.2 | -0.94 | - 7.8 | 5.2/28.4  | 12265 |
| 2002 GU <sub>85</sub>  | 2003 09 02.3 | 22 44.25 | -30 29.4 | 20.2 | -0.92 | - 5.2 | 7.6/25.9  | 31557 |
| 2002 DF <sub>3</sub>   | 2003 09 02.3 | 22 44.28 | -34 55.2 | 19.9 | -1.00 | - 1.4 | 7.7/25.8  | 30697 |
| 2002 GW <sub>76</sub>  | 2003 09 02.4 | 22 44.19 | -21 06.2 | 18.9 | -1.03 | - 6.6 | 5.3/29.2  | 50603 |
| 2001 DR <sub>76</sub>  | 2003 09 02.4 | 22 44.21 | -25 52.5 | 19.5 | -0.75 | - 5.4 | 4.8/27.2  | 13261 |
| 2003 QK <sub>104</sub> | 2003 09 02.4 | 22 44.24 | -27 38.0 | 18.3 | -0.63 | - 5.4 | 10.1/25.4 | 50325 |
| 1999 VG <sub>115</sub> | 2003 09 02.4 | 22 44.28 | +13 27.9 | 19.4 | -0.84 | - 3.7 | 6.7/09.4  | 50437 |
| 2002 CW <sub>237</sub> | 2003 09 02.4 | 22 44.30 | -40 38.2 | 18.8 | -1.27 | - 0.9 | 9.8/23.8  | 31971 |
| 2001 DL <sub>36</sub>  | 2003 09 02.4 | 22 44.30 | -00 21.2 | 18.7 | -1.06 | + 0.3 | 3.4/04.3  | 50524 |
| 2002 CS <sub>240</sub> | 2003 09 02.4 | 22 44.31 | -06 51.7 | 20.4 | -1.05 | - 3.4 | 0.4/02.7  | 50005 |
| 2002 EX <sub>30</sub>  | 2003 09 02.4 | 22 44.36 | -15 50.3 | 18.7 | -1.00 | - 4.9 | 2.8/31.1  | 31977 |
| 2002 BR <sub>25</sub>  | 2003 09 02.4 | 22 44.37 | -00 27.5 | 19.2 | -0.98 | - 5.4 | 2.8/04.8  | 30634 |
| 2002 EW <sub>29</sub>  | 2003 09 02.4 | 22 44.42 | -07 04.2 | 19.8 | -0.87 | - 8.0 | 0.4/02.8  | 50596 |
| 1999 XW <sub>132</sub> | 2003 09 02.4 | 22 44.42 | -04 14.5 | 18.5 | -0.86 | - 1.9 | 1.3/03.5  | 50445 |
| 2002 DJ <sub>3</sub>   | 2003 09 02.4 | 22 44.44 | -42 00.0 | 20.5 | -1.36 | + 0.4 | 10.9/24.1 | 30697 |
| 2002 KE <sub>10</sub>  | 2003 09 02.4 | 22 44.44 | -15 13.8 | 19.4 | -0.73 | - 5.0 | 2.5/31.1  | 50092 |
| 2002 LX <sub>53</sub>  | 2003 09 02.4 | 22 44.46 | -08 37.7 | 19.3 | -0.68 | - 7.6 | 0.2/02.2  | 50095 |
| 1999 VE <sub>105</sub> | 2003 09 02.4 | 22 44.47 | -17 32.5 | 19.3 | -0.85 | - 4.2 | 3.6/30.5  | 50437 |
| 1990 QV <sub>6</sub>   | 2003 09 02.4 | 22 44.47 | -10 01.6 | 17.5 | -0.59 | -10.6 | 1.0/01.7  | 49636 |
| 1999 UA <sub>5</sub>   | 2003 09 02.4 | 22 44.48 | -14 50.2 | 20.4 | -0.99 | - 4.9 | 2.1/31.4  | 1514  |
| 2001 FP <sub>145</sub> | 2003 09 02.5 | 22 44.54 | -10 56.8 | 19.4 | -0.74 | - 4.4 | 0.8/01.5  | 49916 |
| 2002 GU <sub>11</sub>  | 2003 09 02.5 | 22 44.55 | -21 40.2 | 19.3 | -0.91 | - 4.0 | 5.0/29.3  | 50601 |
| 1998 HC <sub>50</sub>  | 2003 09 02.5 | 22 44.56 | -12 09.6 | 20.5 | -0.90 | - 6.0 | 1.4/01.2  | 38185 |
| 1999 YA <sub>6</sub>   | 2003 09 02.5 | 22 44.59 | +10 05.0 | 18.4 | -1.37 | + 6.7 | 7.6/05.3  | 49772 |
| 2001 DY <sub>34</sub>  | 2003 09 02.5 | 22 44.64 | -04 52.1 | 19.9 | -0.88 | - 3.3 | 1.1/03.4  | 49901 |
| 2002 CF <sub>43</sub>  | 2003 09 02.5 | 22 44.65 | -25 40.3 | 18.7 | -1.09 | - 1.1 | 6.1/28.9  | 31966 |
| 2001 AJ <sub>17</sub>  | 2003 09 02.5 | 22 44.69 | -02 15.3 | 18.8 | -0.86 | - 4.3 | 1.8/04.3  | 12269 |
| 2001 DV <sub>52</sub>  | 2003 09 02.5 | 22 44.72 | -13 51.2 | 19.3 | -1.03 | - 4.3 | 2.4/31.8  | 23618 |
| 2002 ES <sub>40</sub>  | 2003 09 02.5 | 22 44.76 | -15 39.7 | 18.7 | -0.92 | - 2.7 | 2.5/31.3  | 31978 |
| 2002 GE <sub>158</sub> | 2003 09 02.5 | 22 44.80 | -21 05.3 | 19.7 | -0.96 | - 6.5 | 5.2/29.3  | 50605 |
| 2002 GB <sub>20</sub>  | 2003 09 02.5 | 22 44.82 | -10 05.6 | 20.0 | -0.95 | - 4.8 | 0.7/01.9  | 48227 |
| 1999 XB <sub>117</sub> | 2003 09 02.5 | 22 44.82 | -32 43.8 | 18.1 | -1.02 | - 2.2 | 9.4/25.5  | 30341 |
| 2002 JK <sub>135</sub> | 2003 09 02.5 | 22 44.86 | -14 15.3 | 18.5 | -0.75 | - 6.8 | 2.2/31.4  | 50611 |
| 2000 SX <sub>319</sub> | 2003 09 02.5 | 22 44.89 | -08 02.4 | 18.4 | -1.09 | - 2.1 | 0.0/02.6  | 50496 |
| 2001 FW <sub>55</sub>  | 2003 09 02.5 | 22 44.90 | -00 00.1 | 19.1 | -0.87 | - 4.8 | 2.6/05.0  | 50529 |
| 2001 AV <sub>45</sub>  | 2003 09 02.6 | 22 44.92 | -29 36.9 | 20.6 | -0.91 | - 4.4 | 6.7/26.4  | 48005 |
| 2003 QN <sub>37</sub>  | 2003 09 02.6 | 22 44.93 | -05 31.7 | 18.3 | -0.79 | - 3.5 | 1.3/03.4  | 50307 |
| 1999 RX <sub>252</sub> | 2003 09 02.6 | 22 44.94 | -02 23.3 | 18.4 | -1.00 | - 0.5 | 2.4/04.1  | 50421 |
| 1998 HD <sub>22</sub>  | 2003 09 02.6 | 22 44.94 | -23 54.6 | 18.9 | -1.11 | + 0.4 | 6.2/29.7  | 50384 |
| 2001 FV                | 2003 09 02.6 | 22 44.96 | +02 14.2 | 19.1 | -0.71 | - 6.7 | 3.0/06.2  | 50526 |
| 2003 QJ <sub>53</sub>  | 2003 09 02.6 | 22 44.97 | -11 19.2 | 17.8 | -0.86 | - 3.1 | 1.7/01.6  | 50313 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2002 CE <sub>33</sub>  | 2003 09 02.6 | 22 44.99 | -16 15.5 | 20.2 | -1.07 | - 3.8 | 3.4/31.3  | 48199 |
| 2000 YO <sub>131</sub> | 2003 09 02.6 | 22 45.00 | -04 19.7 | 19.3 | -1.04 | - 3.2 | 1.5/03.6  | 49878 |
| 2000 YR <sub>99</sub>  | 2003 09 02.6 | 22 45.03 | -05 49.6 | 18.7 | -0.93 | - 4.9 | 0.9/03.3  | 50514 |
| 2002 KT <sub>1</sub>   | 2003 09 02.6 | 22 45.10 | -02 32.5 | 18.6 | -0.83 | - 4.1 | 1.9/04.3  | 50611 |
| 2002 GQ <sub>105</sub> | 2003 09 02.6 | 22 45.10 | -19 40.9 | 19.3 | -0.80 | - 5.4 | 3.7/29.8  | 32005 |
| 2000 AH <sub>215</sub> | 2003 09 02.6 | 22 45.11 | -05 06.9 | 18.7 | -0.79 | - 4.7 | 1.0/03.5  | 50455 |
| 1999 UH <sub>11</sub>  | 2003 09 02.6 | 22 45.12 | -05 29.8 | 19.6 | -0.84 | - 3.9 | 0.9/03.4  | 50432 |
| 2002 JB <sub>127</sub> | 2003 09 02.6 | 22 45.20 | +15 46.3 | 19.2 | -0.68 | - 8.6 | 7.0/12.3  | 32032 |
| 2000 UU <sub>43</sub>  | 2003 09 02.6 | 22 45.21 | -10 02.3 | 17.5 | -0.85 | - 2.9 | 1.2/02.0  | 49832 |
| 2002 CO <sub>51</sub>  | 2003 09 02.6 | 22 45.22 | -07 35.2 | 19.9 | -0.95 | - 5.1 | 0.1/02.8  | 30646 |
| 2002 EV <sub>125</sub> | 2003 09 02.6 | 22 45.24 | -06 31.9 | 20.0 | -0.80 | - 8.9 | 0.4/03.2  | 50599 |
| 1998 XX <sub>13</sub>  | 2003 09 02.6 | 22 45.32 | +29 51.3 | 18.6 | -0.70 | - 2.3 | 14.7/18.2 | 49661 |
| 2003 PM <sub>6</sub>   | 2003 09 02.6 | 22 45.33 | -03 25.3 | 18.0 | -0.72 | -10.4 | 1.6/04.4  | 50283 |
| 2002 EN <sub>120</sub> | 2003 09 02.7 | 22 45.33 | -06 30.5 | 19.1 | -0.85 | - 8.8 | 0.6/03.2  | 50036 |
| 2002 CC <sub>100</sub> | 2003 09 02.7 | 22 45.36 | -12 30.9 | 18.1 | -0.94 | - 3.6 | 2.1/01.4  | 49988 |
| 2003 OH <sub>12</sub>  | 2003 09 02.7 | 22 45.39 | +18 59.3 | 18.2 | -0.77 | - 2.2 | 9.5/11.7  | 50258 |
| 2002 EP <sub>12</sub>  | 2003 09 02.7 | 22 45.41 | +01 02.2 | 20.0 | -0.84 | - 9.2 | 3.3/06.0  | 50015 |
| 2002 GK <sub>40</sub>  | 2003 09 02.7 | 22 45.48 | -05 36.1 | 17.3 | -0.80 | - 4.0 | 1.2/03.5  | 50049 |
| 3481 T-3               | 2003 09 02.7 | 22 45.51 | -14 36.1 | 18.3 | -1.00 | - 3.5 | 2.7/31.8  | 50812 |
| 2001 FO <sub>42</sub>  | 2003 09 02.7 | 22 45.54 | -08 24.4 | 19.3 | -0.74 | - 4.3 | 0.1/02.6  | 50528 |
| 1999 RV <sub>13</sub>  | 2003 09 02.7 | 22 45.54 | -12 17.9 | 18.7 | -0.86 | - 6.1 | 1.8/01.3  | 50414 |
| 1999 TF <sub>170</sub> | 2003 09 02.7 | 22 45.57 | -12 11.9 | 18.4 | -0.90 | - 3.1 | 1.6/01.5  | 50427 |
| 2003 QQ <sub>15</sub>  | 2003 09 02.7 | 22 45.58 | +02 22.3 | 19.7 | -0.98 | - 0.6 | 4.4/05.5  | 50296 |
| 1999 TE <sub>170</sub> | 2003 09 02.7 | 22 45.59 | -16 07.7 | 19.1 | -0.93 | - 2.6 | 2.8/31.4  | 50427 |
| 1994 PH <sub>10</sub>  | 2003 09 02.7 | 22 45.63 | -06 17.2 | 19.1 | -0.88 | - 3.2 | 0.6/03.3  | 50370 |
| 2000 YC <sub>4</sub>   | 2003 09 02.7 | 22 45.66 | -07 28.7 | 19.0 | -0.94 | - 5.9 | 0.2/02.9  | 50511 |
| 2000 YM <sub>112</sub> | 2003 09 02.7 | 22 45.66 | -10 39.3 | 19.1 | -0.99 | - 4.3 | 1.2/02.0  | 49875 |
| 2002 JC <sub>103</sub> | 2003 09 02.7 | 22 45.66 | -12 10.4 | 19.8 | -0.78 | - 5.1 | 1.4/01.4  | 50610 |
| 2000 WY <sub>77</sub>  | 2003 09 02.7 | 22 45.70 | -04 51.7 | 18.1 | -0.93 | - 2.4 | 1.5/03.6  | 50506 |
| 2000 AZ <sub>78</sub>  | 2003 09 02.8 | 22 45.66 | -10 24.1 | 18.7 | -0.81 | - 7.7 | 0.9/01.9  | 49777 |
| 1998 SN <sub>46</sub>  | 2003 09 02.8 | 22 45.66 | -05 19.0 | 20.0 | -0.73 | - 4.9 | 0.8/03.6  | 49655 |
| 1998 TJ <sub>7</sub>   | 2003 09 02.8 | 22 45.66 | +15 09.2 | 18.0 | -1.02 | + 2.7 | 8.6/08.7  | 49658 |
| 2001 FJ <sub>93</sub>  | 2003 09 02.8 | 22 45.68 | -20 10.4 | 18.7 | -0.81 | - 2.6 | 3.6/30.1  | 50530 |
| 1999 XT <sub>121</sub> | 2003 09 02.8 | 22 45.70 | +13 26.9 | 18.5 | -0.88 | - 2.7 | 7.6/09.4  | 50444 |
| 1998 FB <sub>43</sub>  | 2003 09 02.8 | 22 45.70 | -08 37.4 | 19.6 | -0.98 | - 4.1 | 0.3/02.6  | 50382 |
| 2003 QJ <sub>37</sub>  | 2003 09 02.8 | 22 45.71 | -14 49.6 | 18.3 | -0.96 | - 4.2 | 2.9/31.8  | 50307 |
| 1999 TT <sub>212</sub> | 2003 09 02.8 | 22 45.74 | -09 27.0 | 19.6 | -0.85 | - 3.7 | 0.5/02.3  | 50429 |
| 1999 UZ <sub>15</sub>  | 2003 09 02.8 | 22 45.76 | -11 53.3 | 19.2 | -0.83 | - 5.3 | 1.5/01.5  | 50432 |
| 2002 CY <sub>128</sub> | 2003 09 02.8 | 22 45.86 | -05 14.4 | 19.7 | -0.94 | - 6.6 | 1.0/03.7  | 49992 |
| 1998 SG <sub>93</sub>  | 2003 09 02.8 | 22 45.94 | -10 10.2 | 19.2 | -0.80 | - 3.7 | 0.9/02.1  | 50394 |
| 2000 YG <sub>87</sub>  | 2003 09 02.8 | 22 45.97 | -09 31.0 | 20.1 | -0.92 | - 6.3 | 0.6/02.3  | 48000 |
| 2001 BD <sub>42</sub>  | 2003 09 02.8 | 22 46.00 | -03 59.2 | 19.1 | -0.87 | -13.1 | 1.3/04.3  | 13807 |
| 1999 RT <sub>174</sub> | 2003 09 02.8 | 22 46.01 | -09 47.2 | 18.9 | -0.64 | - 8.7 | 0.9/02.2  | 49688 |
| 2001 BG <sub>48</sub>  | 2003 09 02.8 | 22 46.03 | -00 47.5 | 19.3 | -0.76 | - 7.2 | 2.1/05.3  | 50519 |
| 2001 DH <sub>104</sub> | 2003 09 02.8 | 22 46.04 | -09 01.9 | 19.7 | -0.80 | - 5.8 | 0.4/02.5  | 50525 |
| 2002 GY <sub>107</sub> | 2003 09 02.9 | 22 46.03 | -17 52.2 | 17.2 | -0.81 | - 9.1 | 4.5/30.3  | 50062 |
| 1999 XO <sub>78</sub>  | 2003 09 02.9 | 22 46.06 | -06 00.1 | 19.7 | -0.79 | - 4.8 | 0.6/03.5  | 50443 |
| 2001 BA <sub>75</sub>  | 2003 09 02.9 | 22 46.07 | -16 43.7 | 18.5 | -0.71 | - 6.4 | 2.6/30.8  | 50520 |
| 2002 CW <sub>216</sub> | 2003 09 02.9 | 22 46.16 | -14 01.4 | 19.3 | -1.07 | - 2.2 | 2.7/01.3  | 29867 |
| 1999 TZ <sub>128</sub> | 2003 09 02.9 | 22 46.20 | -08 28.9 | 19.5 | -0.85 | - 2.6 | 0.3/02.8  | 49709 |
| 2003 QB <sub>73</sub>  | 2003 09 02.9 | 22 46.21 | -00 32.0 | 19.1 | -1.06 | - 3.2 | 3.5/05.0  | 50320 |

2003 SEPT. 10

M.P.C. 49691

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 EV <sub>18</sub>  | 2003 09 02.9 | 22 46.26 | -04 31.6 | 19.5 | -0.76 | - 8.8 | 1.0/04.1  | 50526 |
| 2003 OO <sub>19</sub>  | 2003 09 02.9 | 22 46.27 | +03 12.0 | 18.6 | -1.09 | + 3.5 | 4.8/05.3  | 50264 |
| 2002 JN <sub>134</sub> | 2003 09 02.9 | 22 46.30 | -08 17.4 | 20.1 | -0.82 | - 5.1 | 0.2/02.8  | 50611 |
| 2000 UP <sub>98</sub>  | 2003 09 02.9 | 22 46.35 | -16 31.4 | 19.5 | -1.05 | - 3.3 | 3.4/31.5  | 50500 |
| 1999 TW <sub>267</sub> | 2003 09 02.9 | 22 46.37 | +10 19.9 | 18.9 | -0.92 | - 2.1 | 7.2/08.2  | 49725 |
| 1999 RN <sub>203</sub> | 2003 09 02.9 | 22 46.37 | -08 11.4 | 18.2 | -1.25 | + 2.5 | 0.1/02.9  | 49691 |
| 2002 GR <sub>36</sub>  | 2003 09 02.9 | 22 46.41 | +01 00.8 | 18.5 | -0.79 | - 7.4 | 3.8/06.0  | 50049 |
| 2002 GF <sub>38</sub>  | 2003 09 02.9 | 22 46.42 | -12 46.3 | 19.9 | -0.92 | - 5.4 | 1.8/01.4  | 31511 |
| 2002 CK <sub>124</sub> | 2003 09 02.9 | 22 46.42 | -05 12.8 | 19.4 | -1.03 | - 4.2 | 1.2/03.7  | 49991 |
| 1999 RU <sub>209</sub> | 2003 09 02.9 | 22 46.43 | -00 14.7 | 19.0 | -0.99 | - 1.1 | 2.9/05.0  | 49692 |
| 1999 RA <sub>204</sub> | 2003 09 02.9 | 22 46.45 | -16 11.1 | 17.9 | -1.24 | + 1.5 | 2.8/01.1  | 50420 |
| 2002 EA <sub>21</sub>  | 2003 09 03.0 | 22 46.41 | -16 22.1 | 19.6 | -0.92 | - 6.0 | 3.4/31.3  | 50596 |
| 1999 UN <sub>38</sub>  | 2003 09 03.0 | 22 46.43 | -01 49.5 | 19.0 | -0.91 | - 3.9 | 2.3/04.8  | 49733 |
| 1999 RC <sub>143</sub> | 2003 09 03.0 | 22 46.44 | -12 23.5 | 18.3 | -0.74 | - 8.1 | 2.0/01.4  | 49683 |
| 2001 DY <sub>7</sub>   | 2003 09 03.0 | 22 46.48 | -09 49.7 | 20.2 | -0.79 | - 5.7 | 0.6/02.4  | 10792 |
| 2001 FX <sub>100</sub> | 2003 09 03.0 | 22 46.50 | -21 47.6 | 19.5 | -0.84 | - 2.7 | 3.9/29.7  | 30454 |
| 2000 SY <sub>239</sub> | 2003 09 03.0 | 22 46.53 | -13 48.1 | 18.2 | -0.96 | - 1.8 | 3.2/01.4  | 50494 |
| 2000 YX <sub>85</sub>  | 2003 09 03.0 | 22 46.67 | -26 35.6 | 19.3 | -0.82 | - 6.7 | 5.3/27.5  | 50514 |
| 1998 ST <sub>158</sub> | 2003 09 03.0 | 22 46.68 | -13 09.1 | 18.6 | -0.84 | - 2.8 | 1.7/01.5  | 50395 |
| 2001 DC <sub>100</sub> | 2003 09 03.0 | 22 46.70 | -02 13.5 | 20.3 | -0.87 | - 5.1 | 1.8/04.8  | 48014 |
| 1998 WY <sub>4</sub>   | 2003 09 03.0 | 22 46.74 | -06 16.2 | 18.8 | -0.69 | - 9.2 | 0.4/03.6  | 50398 |
| 2001 HD <sub>7</sub>   | 2003 09 03.0 | 22 46.75 | +16 27.8 | 20.0 | -0.66 | - 5.9 | 6.0/12.1  | 50533 |
| 2000 YP <sub>131</sub> | 2003 09 03.0 | 22 46.75 | -08 25.1 | 19.9 | -0.91 | - 6.7 | 0.2/02.9  | 49878 |
| 2003 QV <sub>5</sub>   | 2003 09 03.0 | 22 46.76 | -17 11.7 | 18.7 | -1.02 | - 1.6 | 4.5/31.6  | 50783 |
| 2003 OB <sub>30</sub>  | 2003 09 03.0 | 22 46.76 | -16 57.6 | 18.5 | -0.71 | - 8.5 | 3.1/30.7  | 50272 |
| 1995 MQ <sub>7</sub>   | 2003 09 03.0 | 22 46.76 | -09 56.7 | 18.6 | -0.75 | -10.3 | 1.0/02.3  | 49639 |
| 2002 JC <sub>38</sub>  | 2003 09 03.1 | 22 46.74 | -24 14.9 | 18.5 | -0.79 | - 4.6 | 5.2/28.6  | 50608 |
| 2000 AH <sub>194</sub> | 2003 09 03.1 | 22 46.75 | -04 49.4 | 19.5 | -0.66 | - 7.4 | 0.8/04.2  | 50455 |
| 1999 RO <sub>234</sub> | 2003 09 03.1 | 22 46.82 | -18 59.3 | 18.5 | -0.94 | - 7.0 | 4.6/30.3  | 49693 |
| 1998 BX                | 2003 09 03.1 | 22 46.85 | -10 37.7 | 17.9 | -0.64 | - 4.8 | 0.8/02.1  | 50380 |
| 2003 QA <sub>29</sub>  | 2003 09 03.1 | 22 46.86 | -24 24.4 | 18.0 | -0.90 | - 3.1 | 6.9/28.8  | 50303 |
| 2002 EB <sub>71</sub>  | 2003 09 03.1 | 22 46.87 | -02 24.2 | 18.5 | -0.78 | - 8.6 | 2.3/05.0  | 50597 |
| 1999 TY <sub>158</sub> | 2003 09 03.1 | 22 46.88 | -17 08.3 | 18.9 | -1.14 | + 0.8 | 3.6/31.9  | 49713 |
| 2000 HR <sub>24</sub>  | 2003 09 03.1 | 22 46.89 | +09 47.6 | 20.4 | -0.47 | - 3.5 | 3.0/09.6  | 47887 |
| 2000 VU <sub>35</sub>  | 2003 09 03.1 | 22 46.90 | +01 59.4 | 16.8 | -0.85 | - 6.7 | 4.8/06.0  | 50502 |
| 2000 WO <sub>109</sub> | 2003 09 03.1 | 22 46.91 | -20 32.6 | 19.3 | -1.02 | - 4.0 | 5.1/30.3  | 50506 |
| 2001 CQ <sub>12</sub>  | 2003 09 03.1 | 22 46.91 | -13 47.5 | 20.9 | -0.82 | - 5.7 | 1.7/01.2  | 48008 |
| 2001 FJ <sub>3</sub>   | 2003 09 03.1 | 22 46.99 | -07 21.7 | 19.7 | -0.71 | - 5.6 | 0.1/03.3  | 50527 |
| 2002 EF <sub>55</sub>  | 2003 09 03.1 | 22 47.02 | -07 36.3 | 19.6 | -0.92 | - 6.1 | 0.0/03.2  | 50023 |
| 2001 DU <sub>75</sub>  | 2003 09 03.1 | 22 47.08 | -04 40.2 | 19.0 | -0.77 | - 3.6 | 0.9/04.1  | 50525 |
| 1999 UH <sub>8</sub>   | 2003 09 03.1 | 22 47.11 | -28 26.4 | 19.0 | -0.99 | - 1.3 | 8.5/27.9  | 50431 |
| 2003 QG <sub>11</sub>  | 2003 09 03.1 | 22 47.13 | -17 33.0 | 18.0 | -0.91 | - 3.7 | 4.7/31.2  | 50294 |
| 1999 XO <sub>106</sub> | 2003 09 03.2 | 22 47.08 | +18 44.3 | 17.6 | -0.79 | - 2.7 | 11.7/12.4 | 50444 |
| 2001 DF                | 2003 09 03.2 | 22 47.08 | -16 02.6 | 19.7 | -0.90 | - 5.0 | 2.6/31.6  | 12292 |
| 2000 DX <sub>116</sub> | 2003 09 03.2 | 22 47.09 | -05 32.3 | 19.4 | -0.82 | - 2.1 | 0.7/03.8  | 49793 |
| 1998 QV <sub>96</sub>  | 2003 09 03.2 | 22 47.10 | +07 21.6 | 17.6 | -0.84 | - 2.1 | 4.9/07.7  | 50389 |
| 2002 JO <sub>103</sub> | 2003 09 03.2 | 22 47.11 | -19 14.1 | 19.8 | -0.77 | - 4.4 | 3.6/30.5  | 50085 |
| 1998 DE <sub>1</sub>   | 2003 09 03.2 | 22 47.11 | -00 53.6 | 19.9 | -0.92 | - 5.4 | 2.4/05.3  | 31811 |
| 2002 GG <sub>41</sub>  | 2003 09 03.2 | 22 47.16 | -01 56.5 | 18.9 | -0.94 | - 5.4 | 2.2/05.0  | 50050 |
| 1999 TL <sub>164</sub> | 2003 09 03.2 | 22 47.19 | +10 09.8 | 19.1 | -0.79 | - 7.1 | 6.2/09.7  | 50427 |
| 2000 XE <sub>34</sub>  | 2003 09 03.2 | 22 47.20 | +28 29.7 | 18.5 | -1.32 | + 6.1 | 15.8/10.6 | 9891  |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 FX <sub>1</sub>   | 2003 09 03.2 | 22 47.21 | -37 05.3 | 19.1 | -1.49 | + 4.2 | 10.3/27.4 | 13822 |
| 2002 JH <sub>145</sub> | 2003 09 03.2 | 22 47.23 | -00 08.6 | 19.7 | -0.77 | - 9.3 | 2.4/06.0  | 33587 |
| 2002 CV <sub>298</sub> | 2003 09 03.2 | 22 47.30 | -05 04.0 | 18.7 | -0.89 | - 6.5 | 1.2/04.1  | 50595 |
| 1992 SX <sub>4</sub>   | 2003 09 03.2 | 22 47.31 | -11 03.1 | 20.1 | -0.90 | - 6.3 | 1.2/02.2  | 50367 |
| 2000 SB <sub>230</sub> | 2003 09 03.2 | 22 47.32 | -10 31.7 | 19.2 | -1.01 | - 5.2 | 1.1/02.4  | 50493 |
| 2000 SA <sub>121</sub> | 2003 09 03.2 | 22 47.33 | -11 53.7 | 18.6 | -0.91 | - 7.8 | 1.9/01.9  | 50491 |
| 2002 ET <sub>93</sub>  | 2003 09 03.2 | 22 47.34 | -09 09.8 | 19.3 | -0.95 | - 4.9 | 0.6/02.8  | 50598 |
| 2002 BA <sub>27</sub>  | 2003 09 03.2 | 22 47.35 | -16 26.9 | 19.2 | -0.98 | - 5.9 | 3.1/31.5  | 30634 |
| 1999 WS <sub>16</sub>  | 2003 09 03.2 | 22 47.35 | -16 01.1 | 19.8 | -0.91 | - 3.8 | 2.7/31.7  | 12203 |
| 2000 VT <sub>48</sub>  | 2003 09 03.2 | 22 47.37 | -09 18.3 | 18.8 | -1.01 | - 5.7 | 0.7/02.8  | 50503 |
| 2000 SA <sub>258</sub> | 2003 09 03.2 | 22 47.42 | -02 55.0 | 18.8 | -0.92 | - 6.4 | 2.3/04.8  | 33270 |
| 2001 DC <sub>44</sub>  | 2003 09 03.2 | 22 47.44 | -05 15.4 | 18.7 | -0.85 | - 2.3 | 0.8/04.0  | 49903 |
| 2002 BX <sub>16</sub>  | 2003 09 03.2 | 22 47.45 | -09 06.6 | 18.7 | -0.90 | - 8.0 | 0.6/02.8  | 50589 |
| 1998 SX <sub>62</sub>  | 2003 09 03.2 | 22 47.46 | -19 32.1 | 18.6 | -0.89 | - 1.8 | 3.7/30.8  | 13579 |
| 2001 BT <sub>19</sub>  | 2003 09 03.2 | 22 47.46 | -19 16.6 | 18.3 | -0.93 | - 6.7 | 5.1/30.4  | 49887 |
| 2001 BR <sub>50</sub>  | 2003 09 03.2 | 22 47.47 | -30 44.2 | 19.7 | -1.03 | + 0.8 | 6.3/28.1  | 13807 |
| 1999 TR <sub>187</sub> | 2003 09 03.2 | 22 47.49 | +01 30.3 | 18.3 | -0.92 | - 2.0 | 3.0/05.9  | 50428 |
| 2002 CQ <sub>112</sub> | 2003 09 03.2 | 22 47.50 | -13 39.9 | 19.2 | -1.01 | - 3.0 | 2.1/01.6  | 50592 |
| 2002 LA <sub>58</sub>  | 2003 09 03.3 | 22 47.46 | -28 16.3 | 19.4 | -0.83 | - 6.3 | 6.7/27.0  | 33633 |
| 1999 RD <sub>81</sub>  | 2003 09 03.3 | 22 47.47 | -15 28.1 | 18.6 | -0.92 | - 1.4 | 3.6/01.1  | 50416 |
| 1999 XO <sub>46</sub>  | 2003 09 03.3 | 22 47.52 | -36 39.9 | 19.1 | -0.99 | - 3.4 | 10.8/23.8 | 40411 |
| 2002 GD <sub>37</sub>  | 2003 09 03.3 | 22 47.52 | -22 14.4 | 17.8 | -0.97 | - 2.3 | 6.8/30.1  | 50602 |
| 2002 EF <sub>40</sub>  | 2003 09 03.3 | 22 47.55 | -05 08.5 | 20.3 | -0.92 | - 6.4 | 0.9/04.1  | 50021 |
| 2001 BZ <sub>42</sub>  | 2003 09 03.3 | 22 47.56 | -01 43.2 | 20.4 | -0.82 | - 5.7 | 1.7/05.3  | 12277 |
| 2000 XJ <sub>34</sub>  | 2003 09 03.3 | 22 47.58 | -04 23.9 | 18.5 | -0.94 | - 1.7 | 1.1/04.2  | 50510 |
| 2002 GL <sub>45</sub>  | 2003 09 03.3 | 22 47.59 | -08 36.9 | 20.1 | -0.94 | - 5.2 | 0.3/03.0  | 31995 |
| 2002 GQ <sub>95</sub>  | 2003 09 03.3 | 22 47.62 | +04 32.1 | 17.2 | -0.71 | - 6.2 | 5.2/07.7  | 50604 |
| 2001 FW <sub>192</sub> | 2003 09 03.3 | 22 47.63 | -17 09.1 | 19.2 | -0.71 | - 6.5 | 2.8/31.0  | 50532 |
| 2003 OP <sub>6</sub>   | 2003 09 03.3 | 22 47.63 | -26 09.7 | 17.9 | -0.68 | - 9.7 | 7.9/26.7  | 50253 |
| 1998 MC <sub>14</sub>  | 2003 09 03.3 | 22 47.71 | -05 07.6 | 19.0 | -0.68 | -10.5 | 1.0/04.3  | 49649 |
| 2000 RS <sub>57</sub>  | 2003 09 03.3 | 22 47.73 | -09 50.4 | 18.6 | -1.14 | - 1.9 | 0.9/02.8  | 50486 |
| 1998 UY <sub>28</sub>  | 2003 09 03.3 | 22 47.79 | -12 50.0 | 19.3 | -0.72 | - 5.9 | 1.5/01.6  | 50397 |
| 1998 FD <sub>92</sub>  | 2003 09 03.3 | 22 47.79 | -26 12.6 | 19.6 | -1.08 | - 1.2 | 6.6/29.4  | 30266 |
| 2002 EH <sub>68</sub>  | 2003 09 03.3 | 22 47.81 | -09 31.1 | 20.0 | -0.98 | - 3.9 | 0.7/02.8  | 50026 |
| 2002 JJ <sub>47</sub>  | 2003 09 03.3 | 22 47.83 | -14 02.6 | 19.3 | -0.84 | - 3.3 | 2.2/01.5  | 50079 |
| 2002 JU <sub>51</sub>  | 2003 09 03.3 | 22 47.83 | +07 26.5 | 18.4 | -0.74 | - 5.4 | 5.1/08.6  | 50079 |
| 2000 XX <sub>23</sub>  | 2003 09 03.3 | 22 47.84 | -02 44.1 | 18.9 | -0.93 | - 3.5 | 1.7/04.8  | 50510 |
| 1993 TT <sub>19</sub>  | 2003 09 03.3 | 22 47.85 | -11 40.1 | 19.5 | -0.77 | - 4.3 | 1.2/02.1  | 50369 |
| 1999 TT <sub>180</sub> | 2003 09 03.3 | 22 47.85 | -12 23.2 | 18.5 | -0.78 | - 5.3 | 1.4/01.8  | 50428 |
| 2002 GF                | 2003 09 03.3 | 22 47.86 | -45 32.5 | 20.9 | -1.08 | - 4.3 | 11.3/20.9 | 31498 |
| 1998 DX <sub>15</sub>  | 2003 09 03.4 | 22 47.80 | -19 16.6 | 18.9 | -0.90 | -12.1 | 3.7/30.1  | 50381 |
| 1998 WP <sub>32</sub>  | 2003 09 03.4 | 22 47.84 | -15 54.2 | 18.2 | -0.76 | - 3.9 | 2.8/31.8  | 49661 |
| 2000 WO <sub>39</sub>  | 2003 09 03.4 | 22 47.93 | -10 42.1 | 19.2 | -0.95 | - 8.4 | 1.2/02.4  | 49844 |
| 2002 FY <sub>9</sub>   | 2003 09 03.4 | 22 47.94 | +01 01.1 | 20.4 | -0.90 | - 5.8 | 2.9/06.2  | 30731 |
| 2000 AM <sub>83</sub>  | 2003 09 03.4 | 22 47.95 | -16 54.8 | 19.7 | -0.70 | - 5.1 | 2.4/31.3  | 50452 |
| 2001 BD <sub>29</sub>  | 2003 09 03.4 | 22 47.98 | -15 02.3 | 19.4 | -0.90 | - 8.9 | 2.6/31.9  | 12275 |
| 2000 UR <sub>34</sub>  | 2003 09 03.4 | 22 48.00 | -00 41.2 | 19.3 | -0.96 | - 6.2 | 2.7/05.6  | 50499 |
| 1997 GC <sub>21</sub>  | 2003 09 03.4 | 22 48.02 | -11 03.5 | 20.0 | -0.86 | - 3.8 | 1.1/02.4  | 50378 |
| 2001 DA <sub>21</sub>  | 2003 09 03.4 | 22 48.06 | -16 49.7 | 19.2 | -0.92 | - 6.1 | 3.3/31.4  | 50523 |
| 2002 CV <sub>246</sub> | 2003 09 03.4 | 22 48.09 | -10 28.1 | 18.2 | -0.77 | - 7.1 | 1.4/02.5  | 50007 |
| 2003 PG <sub>11</sub>  | 2003 09 03.4 | 22 48.15 | -00 53.9 | 18.8 | -1.00 | + 0.9 | 2.6/05.1  | 50288 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2002 AO <sub>194</sub> | 2003 09 03.4 | 22 48.18 -02 18.7 19.0 | -0.97 - 5.1 | 1.9/05.1  | 31964 |
| 2002 HH <sub>7</sub>   | 2003 09 03.5 | 22 48.17 -25 38.9 19.4 | -0.90 - 4.5 | 5.8/28.7  | 32011 |
| 2002 CC <sub>113</sub> | 2003 09 03.5 | 22 48.18 -10 01.7 18.3 | -0.97 - 4.4 | 1.1/02.8  | 50592 |
| 2002 ES <sub>58</sub>  | 2003 09 03.5 | 22 48.20 -02 50.3 18.4 | -0.85 - 6.6 | 2.2/05.1  | 50597 |
| 2000 DG                | 2003 09 03.5 | 22 48.22 +00 07.8 17.5 | -0.94 + 0.7 | 2.6/05.5  | 49789 |
| 1999 UA <sub>59</sub>  | 2003 09 03.5 | 22 48.25 +10 55.4 19.0 | -0.84 - 3.4 | 5.9/09.4  | 50433 |
| 1998 TU <sub>22</sub>  | 2003 09 03.5 | 22 48.27 -09 01.7 19.3 | -0.77 - 4.2 | 0.5/03.1  | 49658 |
| 2003 QW <sub>15</sub>  | 2003 09 03.5 | 22 48.27 +06 10.0 18.4 | -0.93 - 4.2 | 6.3/07.7  | 50297 |
| 1998 FN <sub>138</sub> | 2003 09 03.5 | 22 48.27 -47 23.9 17.7 | -2.23 +20.6 | 20.4/04.3 | 30267 |
| 1999 TZ <sub>184</sub> | 2003 09 03.5 | 22 48.29 -00 19.9 18.0 | -1.07 + 1.4 | 3.0/05.2  | 50428 |
| 2001 GQ <sub>3</sub>   | 2003 09 03.5 | 22 48.29 -08 45.4 18.7 | -0.66 -10.0 | 0.3/03.1  | 14427 |
| 1999 RK <sub>76</sub>  | 2003 09 03.5 | 22 48.29 -05 08.0 19.2 | -0.84 - 7.2 | 0.9/04.4  | 50416 |
| 2001 EG <sub>14</sub>  | 2003 09 03.5 | 22 48.32 -29 42.1 18.1 | -0.91 - 2.1 | 6.9/27.6  | 50526 |
| 2000 YO <sub>37</sub>  | 2003 09 03.5 | 22 48.34 -07 19.3 19.0 | -0.93 - 6.3 | 0.1/03.6  | 50512 |
| 2000 YP <sub>94</sub>  | 2003 09 03.5 | 22 48.42 -01 10.0 18.6 | -0.86 - 4.7 | 2.2/05.6  | 50514 |
| 2000 WF <sub>27</sub>  | 2003 09 03.5 | 22 48.42 +03 34.7 19.3 | -0.86 - 3.2 | 3.3/06.9  | 50504 |
| 2001 DN <sub>32</sub>  | 2003 09 03.5 | 22 48.44 -15 52.7 18.5 | -0.84 -10.8 | 3.4/31.5  | 49901 |
| 2000 UD <sub>37</sub>  | 2003 09 03.5 | 22 48.49 -12 15.6 19.3 | -0.97 - 6.2 | 1.9/02.1  | 7615  |
| 2002 GG <sub>83</sub>  | 2003 09 03.5 | 22 48.51 -01 56.9 17.8 | -0.68 -10.1 | 2.0/06.0  | 50056 |
| 1999 RP <sub>162</sub> | 2003 09 03.5 | 22 48.52 -00 55.5 18.1 | -0.85 - 2.7 | 3.1/05.6  | 49686 |
| 1999 VX <sub>143</sub> | 2003 09 03.5 | 22 48.53 +05 05.9 18.5 | -0.79 - 5.5 | 4.9/07.8  | 50437 |
| 2000 YO <sub>38</sub>  | 2003 09 03.5 | 22 48.54 -16 44.3 17.2 | -0.83 - 8.8 | 4.0/31.3  | 29635 |
| 2002 CQ <sub>219</sub> | 2003 09 03.5 | 22 48.55 -09 18.7 22.2 | -0.94 - 3.9 | 0.5/03.1  | 30684 |
| 2002 AX <sub>2</sub>   | 2003 09 03.5 | 22 48.66 -57 36.9 17.5 | -1.56 + 0.2 | 22.7/17.0 | 30603 |
| 2001 GJ <sub>1</sub>   | 2003 09 03.6 | 22 48.54 -41 50.7 18.8 | -0.88 - 3.5 | 9.0/22.0  | 33907 |
| 2001 AZ <sub>9</sub>   | 2003 09 03.6 | 22 48.55 -05 10.4 18.5 | -0.90 - 6.6 | 0.9/04.4  | 31385 |
| 2002 ET <sub>73</sub>  | 2003 09 03.6 | 22 48.57 -12 30.7 19.7 | -0.98 - 2.5 | 1.8/02.2  | 50597 |
| 1999 VH <sub>115</sub> | 2003 09 03.6 | 22 48.58 +14 35.0 18.7 | -0.85 - 2.6 | 9.3/10.7  | 50437 |
| 2000 VE <sub>27</sub>  | 2003 09 03.6 | 22 48.61 -20 01.3 18.6 | -0.94 - 6.5 | 4.7/30.5  | 50502 |
| 2001 FW <sub>93</sub>  | 2003 09 03.6 | 22 48.63 -19 17.8 19.8 | -0.80 - 6.7 | 3.6/30.5  | 50530 |
| 2002 JO <sub>128</sub> | 2003 09 03.6 | 22 48.64 -09 08.6 19.8 | -0.73 - 6.6 | 0.5/03.1  | 50089 |
| 2001 FS <sub>142</sub> | 2003 09 03.6 | 22 48.68 +05 37.7 18.5 | -0.84 - 1.4 | 3.9/07.5  | 50531 |
| 2000 HP <sub>33</sub>  | 2003 09 03.6 | 22 48.68 -18 32.7 18.1 | -0.81 -30.9 | 4.8/29.7  | 49798 |
| 2000 US <sub>69</sub>  | 2003 09 03.6 | 22 48.69 -11 41.3 20.1 | -0.97 - 4.4 | 1.4/02.4  | 50500 |
| 1999 TS <sub>256</sub> | 2003 09 03.6 | 22 48.72 -05 45.4 19.4 | -0.83 - 6.1 | 0.7/04.2  | 50430 |
| 2000 YW <sub>91</sub>  | 2003 09 03.6 | 22 48.77 -07 34.4 18.0 | -0.87 - 3.6 | 0.0/03.6  | 50514 |
| 1999 XU <sub>197</sub> | 2003 09 03.6 | 22 48.81 -18 39.1 19.2 | -0.80 - 3.1 | 2.9/31.2  | 50447 |
| 2001 BW <sub>18</sub>  | 2003 09 03.6 | 22 48.82 -17 45.9 17.7 | -0.80 - 4.9 | 5.3/31.2  | 49887 |
| 1999 UD <sub>50</sub>  | 2003 09 03.6 | 22 48.86 -04 47.4 19.0 | -0.79 - 6.2 | 1.0/04.6  | 50433 |
| 2002 CW <sub>272</sub> | 2003 09 03.6 | 22 48.91 -27 46.3 18.3 | -0.87 - 3.2 | 7.2/28.5  | 50009 |
| 1999 TC <sub>187</sub> | 2003 09 03.6 | 22 48.92 +09 18.9 19.6 | -0.89 - 3.1 | 5.8/08.8  | 50428 |
| 1998 RU <sub>11</sub>  | 2003 09 03.7 | 22 48.89 -02 00.0 18.7 | -0.70 - 7.1 | 1.7/05.7  | 50390 |
| 2003 QR <sub>32</sub>  | 2003 09 03.7 | 22 48.92 -09 06.3 18.6 | -0.98 - 2.4 | 0.8/03.3  | 50304 |
| 1999 VY <sub>166</sub> | 2003 09 03.7 | 22 48.95 -22 17.5 18.1 | -0.90 - 2.0 | 6.0/30.4  | 50438 |
| 2001 FA <sub>42</sub>  | 2003 09 03.7 | 22 49.07 -09 31.8 20.3 | -0.86 - 3.2 | 0.6/03.1  | 50528 |
| 1999 TQ <sub>129</sub> | 2003 09 03.7 | 22 49.08 -17 18.8 19.0 | -1.14 + 2.7 | 4.4/01.6  | 29129 |
| 2002 CX <sub>272</sub> | 2003 09 03.7 | 22 49.10 -27 08.2 17.9 | -0.88 - 5.4 | 8.0/28.2  | 50595 |
| 1999 XG <sub>54</sub>  | 2003 09 03.7 | 22 49.11 -25 43.1 18.2 | -0.82 - 4.4 | 5.4/28.7  | 50442 |
| 1999 TU <sub>4</sub>   | 2003 09 03.7 | 22 49.13 -28 57.4 17.5 | -1.18 + 3.9 | 9.6/30.0  | 29107 |
| 2002 EJ <sub>118</sub> | 2003 09 03.7 | 22 49.20 -05 02.2 18.9 | -0.87 - 5.1 | 1.1/04.6  | 50599 |
| 2002 EY <sub>39</sub>  | 2003 09 03.7 | 22 49.20 -07 25.2 19.5 | -0.89 - 6.4 | 0.0/03.8  | 50020 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 YW <sub>5</sub>   | 2003 09 03.7 | 22 49.25 +28 30.3 18.0 | -1.46 + 9.5 | 15.1/08.8 | 49772 |
| 1998 TM <sub>29</sub>  | 2003 09 03.7 | 22 49.27 -08 01.6 20.7 | -0.71 - 4.1 | 0.1/03.6  | 50396 |
| 2002 GX <sub>38</sub>  | 2003 09 03.8 | 22 49.33 +05 07.6 19.5 | -0.73 - 9.7 | 4.2/08.6  | 50049 |
| 1998 XU <sub>28</sub>  | 2003 09 03.8 | 22 49.35 -12 37.9 18.9 | -0.76 - 4.4 | 1.7/02.2  | 50400 |
| 2000 AL <sub>66</sub>  | 2003 09 03.8 | 22 49.36 -07 47.4 19.0 | -0.80 - 2.1 | 0.1/03.7  | 49777 |
| 2001 CY                | 2003 09 03.8 | 22 49.39 -05 04.0 19.0 | -0.81 - 2.5 | 0.7/04.6  | 49895 |
| 2002 GO <sub>57</sub>  | 2003 09 03.8 | 22 49.39 +08 43.5 18.1 | -0.86 - 5.7 | 6.0/09.4  | 50603 |
| 2003 QN <sub>48</sub>  | 2003 09 03.8 | 22 49.41 -07 48.3 19.1 | -0.74 - 4.4 | 0.1/03.7  | 50310 |
| 2002 CF <sub>37</sub>  | 2003 09 03.8 | 22 49.41 -14 18.4 18.9 | -0.94 - 8.3 | 2.8/01.6  | 27830 |
| 2000 AL <sub>107</sub> | 2003 09 03.8 | 22 49.41 -24 58.8 18.2 | -0.74 - 7.3 | 5.1/28.4  | 50453 |
| 2002 EP                | 2003 09 03.8 | 22 49.43 -05 38.8 19.6 | -0.87 - 6.7 | 0.7/04.4  | 50595 |
| 2003 QJ <sub>28</sub>  | 2003 09 03.8 | 22 49.44 -04 26.4 17.9 | -0.77 - 6.3 | 1.4/04.9  | 50302 |
| 2001 FK <sub>125</sub> | 2003 09 03.8 | 22 49.45 -04 59.7 20.4 | -0.81 - 6.0 | 0.8/04.7  | 50531 |
| 2002 GQ <sub>44</sub>  | 2003 09 03.8 | 22 49.47 +04 13.9 18.0 | -0.85 - 5.1 | 5.4/07.7  | 50602 |
| 2002 JU <sub>101</sub> | 2003 09 03.8 | 22 49.51 +00 45.2 19.8 | -0.88 - 6.1 | 2.9/06.5  | 33572 |
| 2001 AS <sub>20</sub>  | 2003 09 03.8 | 22 49.51 -02 57.4 18.8 | -0.88 - 6.8 | 1.6/05.3  | 49881 |
| 2002 CF <sub>84</sub>  | 2003 09 03.8 | 22 49.59 -08 16.4 18.9 | -0.91 - 6.9 | 0.3/03.6  | 49984 |
| 2000 SW <sub>304</sub> | 2003 09 03.8 | 22 49.59 -07 22.6 18.4 | -1.08 - 2.9 | 0.0/03.9  | 50495 |
| 2000 CV <sub>15</sub>  | 2003 09 03.8 | 22 49.60 -00 08.7 18.8 | -0.74 - 4.2 | 2.2/06.3  | 49787 |
| 2002 CN <sub>59</sub>  | 2003 09 03.8 | 22 49.61 -09 13.7 19.5 | -0.97 - 4.4 | 0.7/03.4  | 48201 |
| 2001 DO <sub>104</sub> | 2003 09 03.8 | 22 49.63 -05 57.2 19.1 | -0.78 - 4.7 | 0.5/04.4  | 50525 |
| 2000 YJ <sub>97</sub>  | 2003 09 03.8 | 22 49.69 -05 56.6 19.1 | -0.95 - 5.0 | 0.7/04.4  | 49873 |
| 1998 HM <sub>141</sub> | 2003 09 03.9 | 22 49.61 +02 15.1 17.5 | -0.79 -11.2 | 3.6/07.5  | 50386 |
| 2002 GF <sub>75</sub>  | 2003 09 03.9 | 22 49.67 -06 27.6 20.0 | -0.93 - 5.0 | 0.4/04.2  | 31545 |
| 1999 VA <sub>130</sub> | 2003 09 03.9 | 22 49.68 -12 44.8 19.6 | -0.88 - 3.7 | 1.9/02.3  | 50437 |
| 2002 JF <sub>24</sub>  | 2003 09 03.9 | 22 49.71 -12 46.3 20.9 | -0.85 - 5.5 | 1.7/02.2  | 30191 |
| 1999 TS <sub>225</sub> | 2003 09 03.9 | 22 49.80 -06 43.5 19.2 | -0.92 - 4.1 | 0.3/04.2  | 30326 |
| 2002 GM <sub>44</sub>  | 2003 09 03.9 | 22 49.87 +01 37.8 20.2 | -0.90 - 5.8 | 3.3/06.9  | 50050 |
| 2000 AF <sub>33</sub>  | 2003 09 03.9 | 22 49.87 -05 01.6 19.2 | -0.80 - 2.6 | 0.7/04.7  | 49774 |
| 1999 YQ <sub>9</sub>   | 2003 09 03.9 | 22 49.91 -06 57.1 18.5 | -0.84 - 2.0 | 0.1/04.1  | 50449 |
| 1999 TA <sub>140</sub> | 2003 09 03.9 | 22 50.02 +04 16.7 19.6 | -0.77 - 7.0 | 4.1/08.1  | 49710 |
| 2002 GJ <sub>98</sub>  | 2003 09 03.9 | 22 50.02 -00 47.3 19.6 | -0.87 - 7.5 | 2.6/06.2  | 50604 |
| 1999 UW <sub>45</sub>  | 2003 09 03.9 | 22 50.03 -17 07.6 19.7 | -1.07 + 0.8 | 4.1/01.6  | 50433 |
| 2001 FK <sub>40</sub>  | 2003 09 04.0 | 22 49.99 -06 30.7 19.8 | -0.86 - 6.1 | 0.3/04.3  | 50528 |
| 1999 XE <sub>23</sub>  | 2003 09 04.0 | 22 50.00 -15 17.0 17.9 | -0.88 - 3.2 | 3.6/01.6  | 50441 |
| 2000 SG <sub>122</sub> | 2003 09 04.0 | 22 50.01 -13 05.8 17.4 | -0.91 - 8.1 | 2.7/02.1  | 50491 |
| 1998 HA <sub>15</sub>  | 2003 09 04.0 | 22 50.04 -11 28.2 19.1 | -0.96 - 6.3 | 1.5/02.7  | 50384 |
| 2002 JV <sub>102</sub> | 2003 09 04.0 | 22 50.08 -37 04.1 20.0 | -0.86 - 3.0 | 8.2/24.8  | 48236 |
| 2003 OJ <sub>23</sub>  | 2003 09 04.0 | 22 50.11 -02 03.8 17.9 | -0.96 - 3.0 | 2.3/05.6  | 50267 |
| 2002 HZ <sub>5</sub>   | 2003 09 04.0 | 22 50.12 -07 06.0 20.7 | -0.79 - 5.5 | 0.1/04.1  | 50606 |
| 1999 TK <sub>127</sub> | 2003 09 04.0 | 22 50.17 -03 52.7 18.7 | -0.73 - 7.4 | 1.6/05.3  | 49708 |
| 2000 XN <sub>1</sub>   | 2003 09 04.0 | 22 50.20 -15 55.7 19.1 | -0.88 - 5.8 | 3.0/01.3  | 35537 |
| 2002 HO <sub>10</sub>  | 2003 09 04.0 | 22 50.29 +06 23.6 19.5 | -0.88 - 4.7 | 4.6/08.5  | 50606 |
| 2001 BQ <sub>26</sub>  | 2003 09 04.0 | 22 50.39 -10 27.1 20.1 | -0.73 - 5.0 | 0.8/03.1  | 49888 |
| 1999 TT <sub>17</sub>  | 2003 09 04.0 | 22 50.40 -10 36.0 19.6 | -0.85 - 4.5 | 1.0/03.1  | 50423 |
| 2000 UM <sub>63</sub>  | 2003 09 04.1 | 22 50.34 -03 43.4 18.2 | -0.87 - 4.3 | 1.9/05.2  | 49835 |
| 2000 YZ <sub>92</sub>  | 2003 09 04.1 | 22 50.37 +10 18.4 18.7 | -0.87 - 4.3 | 5.9/09.9  | 33890 |
| 2003 QN <sub>16</sub>  | 2003 09 04.1 | 22 50.38 -05 57.8 19.3 | -0.76 - 4.7 | 0.5/04.6  | 50297 |
| 1999 RW <sub>189</sub> | 2003 09 04.1 | 22 50.40 -16 27.5 19.3 | -0.93 - 4.0 | 3.6/01.3  | 33086 |
| 1999 XK <sub>241</sub> | 2003 09 04.1 | 22 50.41 -39 11.5 18.0 | -0.97 - 1.9 | 9.6/23.9  | 31887 |
| 2000 SB <sub>161</sub> | 2003 09 04.1 | 22 50.42 -34 16.4 18.7 | -1.00 - 3.6 | 8.7/26.0  | 33883 |

|                        |              |          |          |      |       |       |          |       |                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-------|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2000 DO <sub>30</sub>  | 2003 09 04.1 | 22 50.43 | -05 07.4 | 19.5 | -0.71 | - 6.0 | 0.7/04.9 | 49790 | 2002 LF <sub>25</sub>  | 2003 09 04.5 | 22 51.84 | -19 38.7 | 18.5 | -0.79 | - 9.2 | 4.1/31.0  | 50613 |
| 1999 XL <sub>9</sub>   | 2003 09 04.1 | 22 50.44 | +05 58.1 | 18.8 | -0.79 | - 4.4 | 5.4/08.5 | 50441 | 2001 EU <sub>14</sub>  | 2003 09 04.5 | 22 51.93 | -19 21.1 | 18.8 | -0.71 | - 6.1 | 3.3/31.3  | 33381 |
| 1995 UP <sub>57</sub>  | 2003 09 04.1 | 22 50.48 | -07 45.5 | 20.0 | -0.91 | - 3.9 | 0.1/04.0 | 50374 | 2002 EK <sub>46</sub>  | 2003 09 04.5 | 22 51.93 | -05 00.5 | 18.1 | -1.01 | - 1.5 | 0.9/05.1  | 50022 |
| 2002 LJ <sub>9</sub>   | 2003 09 04.1 | 22 50.58 | -24 04.0 | 18.8 | -0.76 | - 5.2 | 4.9/29.4 | 50612 | 1999 SE <sub>1</sub>   | 2003 09 04.5 | 22 51.96 | -13 12.6 | 19.3 | -0.89 | - 5.6 | 2.3/02.6  | 50422 |
| 2003 QJ <sub>22</sub>  | 2003 09 04.1 | 22 50.58 | +02 22.2 | 20.0 | -0.95 | - 1.2 | 4.2/06.9 | 50299 | 2000 AJ <sub>139</sub> | 2003 09 04.5 | 22 51.96 | -29 31.4 | 17.2 | -0.90 | - 5.9 | 8.2/27.4  | 50453 |
| 2000 SU <sub>8</sub>   | 2003 09 04.1 | 22 50.59 | -03 25.0 | 19.4 | -0.99 | - 5.9 | 1.7/05.4 | 31331 | 2002 JX <sub>50</sub>  | 2003 09 04.5 | 22 52.02 | -06 52.5 | 18.4 | -0.83 | - 4.6 | 0.1/04.7  | 32021 |
| 1999 VJ <sub>66</sub>  | 2003 09 04.1 | 22 50.68 | -25 17.4 | 18.9 | -0.95 | - 3.8 | 6.4/29.3 | 50435 | 2000 AL <sub>251</sub> | 2003 09 04.5 | 22 52.02 | -12 24.6 | 19.5 | -0.78 | - 4.9 | 1.6/02.9  | 50456 |
| 2002 JF <sub>130</sub> | 2003 09 04.1 | 22 50.68 | -07 38.4 | 19.2 | -0.70 | - 6.3 | 0.1/04.1 | 50611 | 2002 GT <sub>86</sub>  | 2003 09 04.5 | 22 52.02 | -13 23.7 | 20.5 | -0.88 | - 8.3 | 2.3/02.4  | 50604 |
| 2000 SM <sub>123</sub> | 2003 09 04.1 | 22 50.70 | -21 27.2 | 18.6 | -1.05 | - 5.3 | 5.4/30.7 | 50491 | 1999 RA <sub>71</sub>  | 2003 09 04.5 | 22 52.04 | -06 44.8 | 18.1 | -0.86 | - 4.7 | 0.2/04.7  | 50416 |
| 2000 YS <sub>10</sub>  | 2003 09 04.1 | 22 50.70 | -16 32.0 | 18.3 | -0.87 | - 8.8 | 3.9/31.9 | 49860 | 2001 BG <sub>46</sub>  | 2003 09 04.5 | 22 52.06 | -00 51.8 | 17.5 | -0.75 | -11.3 | 2.7/07.0  | 49891 |
| 2000 AK <sub>96</sub>  | 2003 09 04.1 | 22 50.75 | -18 45.8 | 18.9 | -0.72 | - 8.5 | 3.2/30.9 | 50452 | 2002 CK <sub>151</sub> | 2003 09 04.5 | 22 52.06 | -21 35.5 | 18.7 | -0.98 | - 4.1 | 6.0/31.2  | 50592 |
| 2001 DC <sub>36</sub>  | 2003 09 04.2 | 22 50.69 | -06 01.5 | 19.2 | -0.86 | - 3.6 | 0.5/04.6 | 50524 | 2001 EK <sub>4</sub>   | 2003 09 04.5 | 22 52.07 | -09 34.7 | 19.6 | -0.69 | - 6.7 | 0.6/03.7  | 49907 |
| 2003 GC <sub>39</sub>  | 2003 09 04.2 | 22 50.77 | -06 31.1 | 18.9 | -1.63 | + 9.0 | 0.5/04.3 | 50307 | 2000 SJ <sub>122</sub> | 2003 09 04.5 | 22 52.07 | -17 48.6 | 18.2 | -0.99 | - 5.6 | 3.9/01.3  | 50491 |
| 1999 TG <sub>130</sub> | 2003 09 04.2 | 22 50.78 | -09 02.2 | 19.6 | -0.92 | - 3.7 | 0.6/03.7 | 50426 | 2002 JC <sub>41</sub>  | 2003 09 04.5 | 22 52.11 | +02 15.1 | 18.8 | -0.88 | - 6.3 | 3.4/07.7  | 50608 |
| 2000 UU <sub>2</sub>   | 2003 09 04.2 | 22 50.79 | -02 35.9 | 19.4 | -0.91 | - 6.2 | 1.7/05.7 | 50498 | 2000 CM <sub>78</sub>  | 2003 09 04.5 | 22 52.12 | -08 03.1 | 17.4 | -0.73 | - 5.1 | 0.3/04.3  | 50459 |
| 1999 JP <sub>118</sub> | 2003 09 04.2 | 22 50.81 | -16 05.0 | 18.6 | -0.99 | - 6.3 | 3.4/01.5 | 50410 | 1999 TS <sub>34</sub>  | 2003 09 04.5 | 22 52.15 | -32 07.0 | 18.4 | -1.13 | + 0.6 | 10.1/28.4 | 40382 |
| 2001 FR <sub>129</sub> | 2003 09 04.2 | 22 50.97 | +00 57.1 | 20.0 | -0.70 | - 6.4 | 2.4/07.2 | 50531 | 1999 TX <sub>242</sub> | 2003 09 04.5 | 22 52.16 | -19 16.6 | 18.6 | -0.97 | - 1.1 | 5.0/01.2  | 50430 |
| 2002 GZ <sub>128</sub> | 2003 09 04.2 | 22 50.99 | -06 00.4 | 19.4 | -0.87 | - 5.4 | 0.5/04.7 | 50605 | 1999 TZ <sub>213</sub> | 2003 09 04.5 | 22 52.18 | -22 48.7 | 20.1 | -0.97 | - 2.1 | 5.3/31.0  | 11598 |
| 2001 BY <sub>76</sub>  | 2003 09 04.2 | 22 51.07 | -08 09.4 | 18.8 | -0.76 | -10.9 | 0.3/04.0 | 50520 | 2000 RG <sub>48</sub>  | 2003 09 04.5 | 22 52.18 | -02 21.3 | 17.7 | -1.06 | - 2.7 | 2.1/05.9  | 50486 |
| 2000 XU <sub>9</sub>   | 2003 09 04.2 | 22 51.08 | +19 33.4 | 17.8 | -1.25 | + 2.5 | 9.6/10.3 | 50509 | 2003 QS <sub>44</sub>  | 2003 09 04.5 | 22 52.21 | -03 45.7 | 19.0 | -0.90 | - 4.0 | 1.7/05.6  | 50309 |
| 2003 QT <sub>15</sub>  | 2003 09 04.2 | 22 51.14 | +00 19.3 | 18.0 | -0.99 | - 1.6 | 3.7/06.4 | 50296 | 2001 FA <sub>140</sub> | 2003 09 04.5 | 22 52.22 | -07 23.1 | 18.7 | -0.87 | - 1.0 | 0.1/04.5  | 50531 |
| 2002 EG <sub>57</sub>  | 2003 09 04.3 | 22 51.05 | -03 10.1 | 17.9 | -0.89 | - 6.5 | 1.8/06.0 | 50023 | 2000 YB <sub>51</sub>  | 2003 09 04.6 | 22 52.18 | -09 43.6 | 19.2 | -0.90 | - 7.4 | 1.1/03.8  | 50512 |
| 1998 SU <sub>165</sub> | 2003 09 04.3 | 22 51.08 | -14 17.9 | 18.1 | -0.67 | -33.2 | 3.1/01.0 | 49657 | 1999 TB <sub>182</sub> | 2003 09 04.6 | 22 52.22 | +10 17.0 | 19.6 | -0.71 | -11.0 | 6.7/11.5  | 50428 |
| 2002 GU <sub>87</sub>  | 2003 09 04.3 | 22 51.13 | -10 22.6 | 18.1 | -0.80 | - 9.4 | 1.3/03.2 | 50604 | 2002 CM <sub>112</sub> | 2003 09 04.6 | 22 52.23 | -20 12.2 | 18.9 | -1.04 | - 0.8 | 4.6/01.2  | 50592 |
| 2000 YZ <sub>102</sub> | 2003 09 04.3 | 22 51.18 | -13 02.3 | 18.3 | -0.70 | - 8.1 | 1.6/02.3 | 50514 | 2000 YR <sub>69</sub>  | 2003 09 04.6 | 22 52.26 | -04 27.7 | 20.1 | -0.92 | - 6.2 | 1.0/05.5  | 50513 |
| 2000 WC <sub>144</sub> | 2003 09 04.3 | 22 51.24 | -11 04.7 | 19.5 | -0.83 | - 5.8 | 1.1/03.1 | 50508 | 2001 DS <sub>41</sub>  | 2003 09 04.6 | 22 52.28 | -08 36.9 | 19.2 | -0.73 | - 5.0 | 0.4/04.2  | 50524 |
| 1999 XJ <sub>11</sub>  | 2003 09 04.3 | 22 51.24 | +04 03.2 | 19.0 | -0.85 | - 3.5 | 4.0/07.8 | 50441 | 1997 AY <sub>12</sub>  | 2003 09 04.6 | 22 52.29 | -14 34.7 | 20.0 | -0.87 | - 6.1 | 2.4/02.2  | 50377 |
| 2002 BR <sub>15</sub>  | 2003 09 04.3 | 22 51.40 | -00 11.3 | 19.2 | -0.95 | - 6.2 | 2.7/06.6 | 49967 | 2002 CA <sub>141</sub> | 2003 09 04.6 | 22 52.32 | +00 22.5 | 18.0 | -0.91 | - 7.6 | 3.1/07.2  | 50592 |
| 2002 JQ <sub>111</sub> | 2003 09 04.3 | 22 51.41 | +03 35.5 | 19.2 | -0.78 | - 3.7 | 3.4/07.9 | 48236 | 1998 SX <sub>14</sub>  | 2003 09 04.6 | 22 52.33 | -08 38.2 | 18.6 | -0.97 | + 0.2 | 0.5/04.3  | 49654 |
| 2001 FU <sub>80</sub>  | 2003 09 04.3 | 22 51.46 | +06 31.4 | 19.4 | -0.70 | - 5.0 | 3.7/09.1 | 50529 | 2000 XX <sub>53</sub>  | 2003 09 04.6 | 22 52.33 | -01 20.4 | 19.1 | -0.89 | - 6.1 | 2.2/06.5  | 50511 |
| 2002 LC <sub>54</sub>  | 2003 09 04.3 | 22 51.48 | +21 47.0 | 19.1 | -0.68 | - 6.9 | 9.5/16.2 | 50095 | 2002 GA <sub>19</sub>  | 2003 09 04.6 | 22 52.35 | -09 38.4 | 19.8 | -0.92 | - 4.1 | 0.8/03.9  | 30144 |
| 1999 VN <sub>93</sub>  | 2003 09 04.3 | 22 51.49 | -03 24.1 | 20.3 | -0.85 | - 6.4 | 1.4/05.7 | 14150 | 2001 EM <sub>18</sub>  | 2003 09 04.6 | 22 52.35 | -11 49.9 | 19.9 | -0.68 | - 8.0 | 1.2/03.0  | 50526 |
| 2000 UC <sub>42</sub>  | 2003 09 04.4 | 22 51.44 | -20 56.9 | 17.6 | -0.93 | - 2.4 | 7.2/31.3 | 49831 | 2000 YZ <sub>39</sub>  | 2003 09 04.6 | 22 52.36 | -05 12.7 | 19.3 | -0.92 | - 6.1 | 0.7/05.3  | 50512 |
| 2001 AN <sub>28</sub>  | 2003 09 04.4 | 22 51.50 | -22 44.2 | 18.9 | -0.91 | - 3.1 | 4.6/30.7 | 12269 | 2000 YP <sub>65</sub>  | 2003 09 04.6 | 22 52.39 | +00 23.1 | 19.4 | -0.83 | - 5.0 | 2.4/07.1  | 50513 |
| 2003 QS <sub>32</sub>  | 2003 09 04.4 | 22 51.50 | -09 13.2 | 19.1 | -0.77 | - 7.5 | 0.7/03.7 | 50304 | 1999 RF <sub>181</sub> | 2003 09 04.6 | 22 52.39 | -10 18.2 | 18.3 | -0.67 | - 8.3 | 1.5/03.5  | 49689 |
| 2002 EC <sub>27</sub>  | 2003 09 04.4 | 22 51.50 | -09 18.7 | 20.1 | -0.91 | - 6.3 | 0.8/03.8 | 50596 | 2000 QY <sub>180</sub> | 2003 09 04.6 | 22 52.40 | -13 24.5 | 18.9 | -1.01 | - 4.8 | 2.3/02.8  | 50484 |
| 2000 VU <sub>51</sub>  | 2003 09 04.4 | 22 51.50 | -15 44.4 | 17.3 | -1.02 | + 1.4 | 4.6/02.4 | 49840 | 2002 EU <sub>27</sub>  | 2003 09 04.6 | 22 52.43 | -11 41.4 | 20.1 | -0.92 | - 6.5 | 1.7/03.2  | 30705 |
| 2002 AQ <sub>31</sub>  | 2003 09 04.4 | 22 51.51 | +09 23.5 | 18.8 | -1.49 | + 5.9 | 8.7/07.4 | 49954 | 2002 CB <sub>58</sub>  | 2003 09 04.6 | 22 52.44 | -08 18.3 | 19.2 | -0.95 | - 6.4 | 0.5/04.3  | 50591 |
| 1998 EU <sub>8</sub>   | 2003 09 04.4 | 22 51.55 | -07 05.7 | 20.2 | -0.93 | - 5.3 | 0.1/04.5 | 50381 | 1998 WR <sub>20</sub>  | 2003 09 04.6 | 22 52.46 | -26 09.8 | 18.2 | -0.81 | - 4.7 | 5.9/29.0  | 16026 |
| 1999 VS <sub>211</sub> | 2003 09 04.4 | 22 51.57 | -01 51.8 | 19.7 | -0.80 | - 5.5 | 1.8/06.2 | 50440 | 1999 UE <sub>37</sub>  | 2003 09 04.6 | 22 52.49 | -07 51.1 | 20.5 | -0.83 | - 5.9 | 0.2/04.5  | 15646 |
| 2003 NU                | 2003 09 04.4 | 22 51.58 | -13 52.0 | 17.8 | -0.78 | - 6.4 | 3.2/02.2 | 50235 | 2000 AE <sub>50</sub>  | 2003 09 04.6 | 22 52.56 | -09 45.0 | 19.7 | -0.73 | - 4.9 | 0.7/03.8  | 50451 |
| 2002 BR <sub>29</sub>  | 2003 09 04.4 | 22 51.59 | -22 32.9 | 19.6 | -0.98 | - 5.0 | 5.3/30.7 | 31965 | 1999 KE <sub>7</sub>   | 2003 09 04.6 | 22 52.58 | -04 48.0 | 19.7 | -0.93 | - 8.3 | 0.9/05.5  | 50411 |
| 2002 JP <sub>99</sub>  | 2003 09 04.4 | 22 51.60 | -20 47.8 | 19.2 | -0.78 | - 9.1 | 4.6/30.5 | 31728 | 2001 BT <sub>71</sub>  | 2003 09 04.7 | 22 52.51 | +02 29.9 | 19.5 | -0.81 | - 3.7 | 2.7/07.8  | 12282 |
| 2000 XL <sub>14</sub>  | 2003 09 04.4 | 22 51.63 | +03 46.4 | 17.5 | -0.99 | - 2.3 | 5.0/07.6 | 50510 | 1999 WE <sub>24</sub>  | 2003 09 04.7 | 22 52.56 | -37 21.0 | 20.8 | -0.93 | - 1.9 | 8.2/25.9  | 38223 |
| 1998 DA <sub>1</sub>   | 2003 09 04.4 | 22 51.68 | -12 42.7 | 19.7 | -0.92 | - 7.9 | 2.0/02.6 | 28973 | 2002 CZ <sub>115</sub> | 2003 09 04.7 | 22 52.59 | -50 48.7 | 20.0 | -1.32 | + 0.9 | 13.3/22.5 | 30662 |
| 2002 JC <sub>6</sub>   | 2003 09 04.4 | 22 51.71 | -08 06.0 | 18.7 | -0.80 | - 9.6 | 0.3/04.2 | 50607 | 2000 SQ <sub>256</sub> | 2003 09 04.7 | 22 52.63 | -18 35.3 | 18.8 | -0.98 | - 5.8 | 3.9/01.1  | 31916 |
| 1998 HE <sub>149</sub> | 2003 09 04.4 | 22 51.73 | -27 55.0 | 18.2 | -1.00 | - 1.0 | 8.1/29.7 | 50386 | 2002 CL <sub>311</sub> | 2003 09 04.7 | 22 52.64 | +00 19.4 | 19.6 | -0.97 | - 6.2 | 3.2/07.1  | 50595 |
| 2001 FD <sub>159</sub> | 2003 09 04.4 | 22 51.76 | -09 06.5 | 20.7 | -0.70 | - 4.6 | 0.5/03.9 | 13846 | 2000 YS <sub>113</sub> | 2003 09 04.7 | 22 52.65 | -12 29.1 | 18.2 | -0.93 | - 4.1 | 2.5/03.1  | 49875 |
| 1999 VX <sub>224</sub> | 2003 09 04.4 | 22 51.77 | -00 01.4 | 19.4 | -0.77 | - 8.0 | 2.7/07.0 | 49752 | 1998 SP <sub>93</sub>  | 2003 09 04.7 | 22 52.66 | -16 04.5 | 18.8 | -0.88 | - 1.6 | 3.1/02.2  | 49656 |
| 1999 XU <sub>191</sub> | 2003 09 04.4 | 22 51.84 | -14 34.4 | 20.4 | -0.79 | - 3.2 | 2.0/02.2 | 47835 | 2002 EA <sub>106</sub> | 2003 09 04.7 | 22 52.66 | -16 52.3 | 19.5 | -0.96 | - 7.5 | 3.9/01.5  | 50034 |
| 1997 ND <sub>6</sub>   | 2003 09 04.5 | 22 51.79 | -07 43.4 | 20.4 | -0.70 | - 5.9 | 0.1/04.3 | 50379 | 2000 SG <sub>295</sub> | 2003 09 04.7 | 22 52.68 | -09 42.8 | 17.0 | -1.07 | - 0.4 | 1.3/04.1  | 50495 |

|                        |              |          |          |      |       |       |           |       |                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 TY <sub>212</sub> | 2003 09 04.7 | 22 52.69 | -05 25.0 | 18.9 | -0.88 | - 4.1 | 0.7/05.3  | 49720 | 2003 MU <sub>11</sub>  | 2003 09 05.0 | 22 53.67 | -03 54.4 | 17.6 | -0.82 | - 4.4 | 1.6/06.0  | 50770 |
| 2002 EE <sub>119</sub> | 2003 09 04.7 | 22 52.72 | +13 18.4 | 18.0 | -0.99 | - 2.2 | 8.1/11.2  | 50599 | 2002 FN <sub>6</sub>   | 2003 09 05.0 | 22 53.75 | -10 16.7 | 18.4 | -0.92 | - 6.6 | 1.2/04.0  | 50041 |
| 2001 BS <sub>30</sub>  | 2003 09 04.7 | 22 52.76 | -20 08.3 | 17.8 | -0.75 | -12.2 | 5.0/30.6  | 50518 | 1999 VS <sub>37</sub>  | 2003 09 05.0 | 22 53.80 | -14 27.7 | 18.8 | -0.74 | - 4.4 | 2.0/02.6  | 50434 |
| 2002 CD <sub>242</sub> | 2003 09 04.7 | 22 52.76 | -04 24.0 | 18.9 | -0.92 | - 5.6 | 1.1/06.0  | 30689 | 2001 BH <sub>62</sub>  | 2003 09 05.0 | 22 53.81 | -10 46.2 | 20.1 | -0.75 | - 8.7 | 1.1/03.7  | 48007 |
| 2003 QD <sub>27</sub>  | 2003 09 04.7 | 22 52.77 | +01 12.9 | 19.4 | -1.05 | - 1.3 | 4.2/06.9  | 50302 | 2002 EC <sub>69</sub>  | 2003 09 05.0 | 22 53.91 | -03 38.8 | 20.4 | -0.93 | - 6.2 | 1.2/06.1  | 48220 |
| 1999 XO <sub>229</sub> | 2003 09 04.7 | 22 52.83 | -11 42.8 | 18.7 | -0.89 | - 2.8 | 1.4/03.4  | 50448 | 1999 WV <sub>16</sub>  | 2003 09 05.0 | 22 53.97 | -05 46.8 | 19.4 | -0.84 | - 5.4 | 0.5/05.5  | 50440 |
| 2002 BM <sub>16</sub>  | 2003 09 04.7 | 22 52.87 | -07 52.1 | 19.5 | -0.93 | - 8.7 | 0.3/04.5  | 48196 | 1999 TZ <sub>289</sub> | 2003 09 05.0 | 22 54.00 | -16 49.9 | 19.4 | -0.96 | - 1.8 | 3.2/02.3  | 11608 |
| 1271 T-2               | 2003 09 04.7 | 22 52.89 | -06 05.3 | 18.5 | -0.81 | - 5.0 | 0.5/05.1  | 50811 | 2000 YT <sub>30</sub>  | 2003 09 05.1 | 22 53.95 | -38 37.7 | 18.8 | -0.91 | - 7.4 | 10.7/23.5 | 50512 |
| 2002 GU <sub>110</sub> | 2003 09 04.7 | 22 52.91 | +00 48.0 | 19.2 | -0.82 | - 9.8 | 2.9/07.7  | 31583 | 2000 WK <sub>88</sub>  | 2003 09 05.1 | 22 53.95 | -01 48.5 | 17.5 | -1.02 | + 0.2 | 2.6/06.0  | 50506 |
| 2000 XC <sub>31</sub>  | 2003 09 04.7 | 22 52.95 | -30 59.4 | 19.4 | -1.03 | - 2.6 | 7.6/28.4  | 31928 | 1998 EN <sub>21</sub>  | 2003 09 05.1 | 22 53.97 | -17 07.2 | 18.0 | -0.93 | - 7.9 | 3.9/01.7  | 50382 |
| 2002 GG <sub>23</sub>  | 2003 09 04.8 | 22 52.87 | -00 07.5 | 20.2 | -0.91 | - 6.7 | 2.5/07.1  | 48227 | 1993 TM <sub>6</sub>   | 2003 09 05.1 | 22 53.99 | -07 36.1 | 18.6 | -1.00 | - 4.6 | 0.2/04.9  | 50369 |
| 2001 BS <sub>59</sub>  | 2003 09 04.8 | 22 52.89 | +00 25.7 | 19.5 | -0.87 | - 4.0 | 2.4/07.1  | 12279 | 1972 FE                | 2003 09 05.1 | 22 54.05 | -00 03.8 | 18.7 | -0.80 | -15.5 | 2.2/07.9  | 50365 |
| 2002 JE <sub>101</sub> | 2003 09 04.8 | 22 52.92 | -36 57.8 | 19.5 | -1.00 | - 6.9 | 8.8/24.8  | 34003 | 2002 HR <sub>15</sub>  | 2003 09 05.1 | 22 54.08 | -01 49.2 | 20.0 | -0.80 | - 7.6 | 1.8/06.9  | 50606 |
| 1999 VB <sub>186</sub> | 2003 09 04.8 | 22 52.93 | -16 27.4 | 18.9 | -0.83 | - 4.9 | 3.4/01.8  | 50439 | 2002 CO <sub>197</sub> | 2003 09 05.1 | 22 54.09 | -10 18.5 | 18.6 | -0.95 | - 5.6 | 1.6/04.1  | 50001 |
| 2002 FC <sub>9</sub>   | 2003 09 04.8 | 22 52.95 | +01 35.8 | 17.7 | -0.83 | - 8.1 | 3.7/07.9  | 50600 | 2003 QG <sub>22</sub>  | 2003 09 05.1 | 22 54.14 | +02 03.1 | 17.9 | -0.80 | - 7.4 | 4.0/08.3  | 50299 |
| 2000 SE <sub>212</sub> | 2003 09 04.8 | 22 52.97 | -18 57.5 | 18.0 | -0.87 | - 7.1 | 5.8/31.8  | 50493 | 2002 EJ <sub>26</sub>  | 2003 09 05.1 | 22 54.23 | -00 37.1 | 18.4 | -0.85 | - 7.0 | 3.1/07.3  | 50596 |
| 2002 AX <sub>89</sub>  | 2003 09 04.8 | 22 52.98 | +20 17.5 | 18.9 | -1.19 | - 0.7 | 10.3/13.1 | 30613 | 2002 JZ <sub>69</sub>  | 2003 09 05.1 | 22 54.29 | -30 14.3 | 18.7 | -0.94 | - 4.1 | 7.6/28.6  | 32025 |
| 2000 VV <sub>4</sub>   | 2003 09 04.8 | 22 53.03 | -00 51.3 | 19.6 | -0.91 | - 7.2 | 2.3/06.9  | 50501 | 2002 ER <sub>133</sub> | 2003 09 05.1 | 22 54.31 | -05 15.8 | 18.9 | -0.95 | - 3.4 | 0.8/06.0  | 50037 |
| 2002 ES <sub>139</sub> | 2003 09 04.8 | 22 53.05 | -09 15.9 | 19.6 | -0.93 | - 6.9 | 0.8/04.1  | 50037 | 2002 GR <sub>154</sub> | 2003 09 05.1 | 22 54.34 | -14 59.5 | 19.4 | -0.89 | - 6.8 | 3.3/02.5  | 50068 |
| 2002 JD <sub>45</sub>  | 2003 09 04.8 | 22 53.11 | -05 18.3 | 18.2 | -0.89 | - 4.8 | 0.6/05.4  | 50079 | 2002 LN <sub>2</sub>   | 2003 09 05.1 | 22 54.37 | -13 50.3 | 18.6 | -0.73 | - 6.8 | 2.2/02.8  | 50612 |
| 2002 EJ <sub>141</sub> | 2003 09 04.8 | 22 53.13 | -06 31.1 | 20.2 | -0.88 | - 6.9 | 0.2/05.1  | 50038 | 2001 FR <sub>176</sub> | 2003 09 05.2 | 22 54.31 | -23 15.8 | 19.2 | -0.72 | - 5.6 | 4.3/30.4  | 18315 |
| 2001 FJ <sub>179</sub> | 2003 09 04.8 | 22 53.16 | -12 41.0 | 18.2 | -0.66 | -12.0 | 1.7/02.7  | 49917 | 1999 VY <sub>168</sub> | 2003 09 05.2 | 22 54.31 | -25 17.8 | 18.0 | -0.92 | - 3.1 | 7.2/30.3  | 50438 |
| 1994 AH <sub>8</sub>   | 2003 09 04.8 | 22 53.20 | -08 25.3 | 21.3 | -0.70 | - 4.7 | 0.3/04.4  | 1888  | 2000 AE <sub>66</sub>  | 2003 09 05.2 | 22 54.35 | +03 22.5 | 19.2 | -0.85 | - 1.2 | 2.9/08.2  | 39572 |
| 2003 QR <sub>53</sub>  | 2003 09 04.8 | 22 53.25 | -10 34.9 | 18.3 | -0.94 | - 2.5 | 1.8/03.9  | 50313 | 2002 JV <sub>143</sub> | 2003 09 05.2 | 22 54.38 | -20 56.2 | 18.4 | -0.74 | - 9.7 | 5.1/30.9  | 50090 |
| 2002 EO <sub>79</sub>  | 2003 09 04.8 | 22 53.29 | +05 16.4 | 19.8 | -0.79 | - 7.4 | 4.1/09.3  | 50598 | 2000 WO <sub>61</sub>  | 2003 09 05.2 | 22 54.40 | +01 03.6 | 18.8 | -0.95 | - 5.7 | 3.2/07.7  | 50505 |
| 2000 UX <sub>12</sub>  | 2003 09 04.8 | 22 53.31 | -13 47.7 | 18.7 | -0.99 | - 4.8 | 2.5/02.9  | 31918 | 1998 FY <sub>49</sub>  | 2003 09 05.2 | 22 54.42 | -11 16.7 | 18.5 | -1.00 | - 3.3 | 1.6/04.0  | 50382 |
| 2002 GV <sub>54</sub>  | 2003 09 04.9 | 22 53.22 | -25 23.4 | 19.7 | -1.22 | + 2.3 | 7.8/31.7  | 50052 | 1995 SB <sub>19</sub>  | 2003 09 05.2 | 22 54.50 | -18 29.5 | 20.1 | -1.00 | - 1.9 | 3.8/02.0  | 31806 |
| 2000 WE <sub>31</sub>  | 2003 09 04.9 | 22 53.23 | -19 55.7 | 17.9 | -0.89 | - 8.4 | 5.6/31.3  | 50504 | 1998 SM <sub>10</sub>  | 2003 09 05.2 | 22 54.50 | +12 00.7 | 18.7 | -0.74 | - 4.9 | 5.3/11.8  | 50392 |
| 1999 UR <sub>12</sub>  | 2003 09 04.9 | 22 53.25 | -23 40.0 | 17.7 | -1.13 | + 0.3 | 6.5/31.5  | 50432 | 1999 TF <sub>134</sub> | 2003 09 05.2 | 22 54.51 | -03 50.6 | 19.7 | -0.86 | - 5.2 | 1.1/06.0  | 50426 |
| 1999 TN <sub>164</sub> | 2003 09 04.9 | 22 53.26 | +04 10.2 | 20.5 | -0.77 | - 5.6 | 3.1/08.7  | 50427 | 2003 QF <sub>16</sub>  | 2003 09 05.2 | 22 54.52 | +05 54.0 | 18.5 | -1.03 | - 0.1 | 6.3/08.8  | 50785 |
| 1999 LH <sub>5</sub>   | 2003 09 04.9 | 22 53.27 | -22 57.6 | 18.1 | -0.85 | -15.5 | 6.4/29.6  | 50411 | 2002 EX <sub>1</sub>   | 2003 09 05.2 | 22 54.55 | -13 26.8 | 19.5 | -1.13 | - 2.0 | 2.7/03.5  | 30700 |
| 1999 JU <sub>82</sub>  | 2003 09 04.9 | 22 53.31 | -24 59.9 | 17.8 | -0.86 | - 7.9 | 8.2/29.6  | 50409 | 2001 DH <sub>21</sub>  | 2003 09 05.2 | 22 54.59 | -21 12.4 | 20.3 | -0.77 | - 3.5 | 3.7/31.6  | 13813 |
| 2001 DY <sub>50</sub>  | 2003 09 04.9 | 22 53.37 | -19 46.3 | 19.9 | -0.83 | - 2.5 | 3.7/01.1  | 50524 | 2000 YM <sub>17</sub>  | 2003 09 05.2 | 22 54.59 | -43 29.9 | 18.6 | -1.10 | - 1.8 | 11.3/23.4 | 31929 |
| 2000 YO <sub>16</sub>  | 2003 09 04.9 | 22 53.39 | -22 19.3 | 19.2 | -0.83 | - 7.0 | 4.4/30.6  | 50511 | 1999 TB <sub>141</sub> | 2003 09 05.2 | 22 54.60 | -07 52.5 | 19.7 | -0.84 | - 4.6 | 0.3/05.0  | 11588 |
| 1996 RW <sub>1</sub>   | 2003 09 04.9 | 22 53.44 | -11 06.0 | 17.7 | -0.89 | + 4.6 | 2.4/04.1  | 49642 | 2003 QE <sub>54</sub>  | 2003 09 05.2 | 22 54.61 | -14 57.5 | 17.6 | -0.93 | - 1.7 | 3.8/03.0  | 50797 |
| 2000 UZ <sub>35</sub>  | 2003 09 04.9 | 22 53.45 | -12 19.0 | 19.0 | -0.96 | - 5.4 | 1.8/03.3  | 50499 | 1990 UQ <sub>4</sub>   | 2003 09 05.2 | 22 54.62 | -11 40.5 | 17.5 | -0.86 | - 8.1 | 2.3/03.7  | 50367 |
| 2002 JJ <sub>75</sub>  | 2003 09 04.9 | 22 53.46 | +16 47.4 | 18.3 | -0.74 | - 4.9 | 7.7/13.7  | 50082 | 2002 CJ <sub>169</sub> | 2003 09 05.2 | 22 54.63 | -10 58.2 | 19.1 | -1.07 | - 3.3 | 1.5/04.2  | 49999 |
| 2002 CW <sub>145</sub> | 2003 09 04.9 | 22 53.46 | -04 02.9 | 19.2 | -0.85 | - 7.9 | 1.1/06.0  | 50592 | 2002 EF <sub>146</sub> | 2003 09 05.2 | 22 54.65 | -07 08.1 | 18.8 | -0.86 | - 7.1 | 0.1/05.2  | 50038 |
| 1999 TQ <sub>215</sub> | 2003 09 04.9 | 22 53.46 | -10 32.6 | 19.0 | -0.85 | - 5.9 | 1.1/03.8  | 13615 | 2002 GK <sub>152</sub> | 2003 09 05.2 | 22 54.68 | -31 33.8 | 18.3 | -0.86 | - 3.1 | 10.5/27.8 | 50605 |
| 1998 FS <sub>72</sub>  | 2003 09 04.9 | 22 53.49 | -19 33.0 | 19.4 | -0.94 | - 4.9 | 4.4/01.0  | 50383 | 2000 UY <sub>71</sub>  | 2003 09 05.3 | 22 54.69 | -05 01.9 | 17.8 | -0.91 | - 2.9 | 1.0/06.0  | 50500 |
| 2000 AS <sub>58</sub>  | 2003 09 04.9 | 22 53.50 | +06 20.6 | 19.6 | -0.80 | - 2.1 | 3.5/09.0  | 40431 | 1998 BD <sub>9</sub>   | 2003 09 05.3 | 22 54.71 | -05 22.7 | 18.4 | -1.01 | - 3.4 | 0.6/05.8  | 50380 |
| 2002 KJ <sub>10</sub>  | 2003 09 04.9 | 22 53.51 | -09 06.1 | 19.4 | -0.74 | - 5.0 | 0.6/04.3  | 50612 | 2000 AG <sub>32</sub>  | 2003 09 05.3 | 22 54.74 | -07 00.8 | 18.4 | -0.75 | - 3.4 | 0.0/05.3  | 50450 |
| 2002 JX <sub>41</sub>  | 2003 09 04.9 | 22 53.51 | +06 38.7 | 18.7 | -0.71 | - 8.5 | 4.6/10.2  | 50078 | 1999 TE <sub>218</sub> | 2003 09 05.3 | 22 54.77 | +06 02.6 | 19.2 | -0.74 | - 8.0 | 5.2/10.1  | 50429 |
| 1995 DT <sub>2</sub>   | 2003 09 04.9 | 22 53.51 | -09 17.1 | 19.8 | -0.94 | - 7.1 | 0.8/04.2  | 50372 | 2002 JA <sub>102</sub> | 2003 09 05.3 | 22 54.80 | +25 23.4 | 19.6 | -0.93 | - 6.1 | 10.6/17.4 | 31730 |
| 1998 BL <sub>23</sub>  | 2003 09 04.9 | 22 53.52 | -04 09.3 | 18.5 | -1.12 | - 0.5 | 1.3/05.7  | 50381 | 2000 YT <sub>9</sub>   | 2003 09 05.3 | 22 54.82 | +02 02.0 | 18.3 | -0.93 | - 4.3 | 3.5/08.1  | 49860 |
| 2002 JK <sub>27</sub>  | 2003 09 04.9 | 22 53.62 | -26 20.1 | 18.7 | -0.84 | - 3.3 | 6.9/29.7  | 50076 | 2001 DV <sub>66</sub>  | 2003 09 05.3 | 22 54.85 | -08 57.6 | 20.0 | -0.77 | - 6.3 | 0.6/04.7  | 48012 |
| 2000 SL <sub>163</sub> | 2003 09 04.9 | 22 53.62 | -03 40.5 | 19.8 | -1.02 | - 5.7 | 1.4/06.0  | 50492 | 2002 EY <sub>128</sub> | 2003 09 05.3 | 22 54.87 | -06 13.0 | 18.7 | -0.76 | -28.1 | 13.9/17.0 | 50037 |
| 2002 JO <sub>34</sub>  | 2003 09 05.0 | 22 53.59 | -04 43.3 | 19.8 | -0.82 | - 6.6 | 0.8/05.8  | 50608 | 2002 AD <sub>4</sub>   | 2003 09 05.3 | 22 54.90 | -16 02.6 | 17.5 | -1.66 | + 8.5 | 4.9/04.2  | 30603 |
| 2002 EM <sub>114</sub> | 2003 09 05.0 | 22 53.59 | -10 19.8 | 18.7 | -0.80 | - 7.0 | 1.5/03.9  | 50035 | 2001 EC <sub>26</sub>  | 2003 09 05.3 | 22 54.91 | -05 04.3 | 19.3 | -0.69 | - 7.1 | 0.5/06.0  | 49909 |
| 2002 GY <sub>4</sub>   | 2003 09 05.0 | 22 53.60 | +00 29.6 | 18.4 | -0.69 | -16.1 | 2.6/08.1  | 50046 | 2003 QH <sub>53</sub>  | 2003 09 05.3 | 22 54.96 | -13 58.3 | 18.7 | -0.81 | - 5.8 | 3.1/03.0  | 50312 |
| 2000 WE <sub>163</sub> | 2003 09 05.0 | 22 53.65 | -08 46.3 | 18.8 | -0.99 | - 3.1 | 0.6/04.5  | 49853 | 1998 HU <sub>138</sub> | 2003 09 05.3 | 22 54.97 | -07 30.5 | 19.1 | -0.86 | - 8.2 | 0.2/05.2  | 50386 |

2003 SEPT. 10

M.P.C. 49695

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1998 HW <sub>154</sub> | 2003 09 05.3 | 22 55.00 | -05 23.9 | 20.2 | -0.92 | - 6.3 | 0.5/05.9  | 29001 |
| 1999 TB <sub>312</sub> | 2003 09 05.3 | 22 55.06 | -06 55.6 | 20.1 | -0.88 | - 4.9 | 0.0/05.4  | 31872 |
| 1998 HY <sub>41</sub>  | 2003 09 05.3 | 22 55.09 | -17 14.9 | 20.3 | -0.91 | - 4.7 | 3.6/02.2  | 31229 |
| 2002 GZ <sub>176</sub> | 2003 09 05.4 | 22 55.10 | -03 32.7 | 17.3 | -0.73 | - 5.6 | 1.7/06.6  | 50069 |
| 2002 JZ <sub>130</sub> | 2003 09 05.4 | 22 55.10 | -21 10.2 | 19.9 | -0.83 | - 6.3 | 4.6/31.5  | 31748 |
| 2002 GE <sub>51</sub>  | 2003 09 05.4 | 22 55.16 | -15 55.9 | 19.8 | -0.91 | - 4.1 | 2.9/02.7  | 33980 |
| 2002 EX <sub>123</sub> | 2003 09 05.4 | 22 55.19 | -05 23.8 | 18.6 | -0.82 | - 7.4 | 0.7/06.0  | 50036 |
| 2000 VD <sub>37</sub>  | 2003 09 05.4 | 22 55.20 | -02 24.3 | 18.3 | -0.89 | - 6.4 | 1.7/06.9  | 50502 |
| 1999 XJ <sub>51</sub>  | 2003 09 05.4 | 22 55.26 | -35 30.3 | 18.6 | -0.99 | - 4.3 | 10.3/25.7 | 40411 |
| 1999 TF <sub>185</sub> | 2003 09 05.4 | 22 55.33 | +06 04.8 | 17.9 | -1.06 | + 1.6 | 6.0/08.8  | 49716 |
| 1995 SJ <sub>7</sub>   | 2003 09 05.4 | 22 55.38 | -04 35.5 | 19.3 | -0.77 | - 7.6 | 1.0/06.3  | 50372 |
| 2000 XN <sub>18</sub>  | 2003 09 05.4 | 22 55.43 | -15 34.9 | 20.2 | -1.11 | - 3.8 | 3.2/03.0  | 18306 |
| 1981 EC <sub>15</sub>  | 2003 09 05.4 | 22 55.47 | -06 09.2 | 19.8 | -0.89 | - 4.0 | 0.2/05.7  | 9663  |
| 2000 SS <sub>336</sub> | 2003 09 05.4 | 22 55.48 | -16 45.3 | 18.1 | -1.05 | - 3.2 | 3.9/02.7  | 50496 |
| 1995 FS <sub>8</sub>   | 2003 09 05.5 | 22 55.48 | -16 22.5 | 19.9 | -1.00 | - 4.9 | 3.4/02.6  | 31805 |
| 1999 VF <sub>135</sub> | 2003 09 05.5 | 22 55.52 | -15 59.3 | 20.3 | -0.93 | - 2.6 | 2.7/02.9  | 17079 |
| 2000 EJ <sub>71</sub>  | 2003 09 05.5 | 22 55.56 | -08 50.3 | 19.7 | -0.72 | - 5.9 | 0.6/04.9  | 3533  |
| 2002 GF <sub>71</sub>  | 2003 09 05.5 | 22 55.57 | -16 18.2 | 18.5 | -0.81 | - 6.2 | 3.5/02.4  | 50603 |
| 2001 HW <sub>11</sub>  | 2003 09 05.5 | 22 55.58 | -03 24.3 | 19.1 | -0.78 | - 3.9 | 1.0/06.6  | 13423 |
| 2002 JX <sub>116</sub> | 2003 09 05.5 | 22 55.65 | -12 16.8 | 18.4 | -0.84 | - 6.8 | 1.9/03.7  | 50611 |
| 2001 FE <sub>135</sub> | 2003 09 05.5 | 22 55.70 | +15 05.8 | 19.3 | -0.81 | - 1.7 | 5.6/12.6  | 35057 |
| 1981 EU <sub>12</sub>  | 2003 09 05.5 | 22 55.75 | -02 28.5 | 20.0 | -0.84 | - 5.6 | 1.4/07.0  | 26917 |
| 1999 XD <sub>38</sub>  | 2003 09 05.5 | 22 55.82 | -05 53.3 | 18.6 | -0.78 | - 5.6 | 0.3/05.9  | 50442 |
| 2000 YG <sub>121</sub> | 2003 09 05.5 | 22 55.83 | -21 20.5 | 19.1 | -0.82 | - 8.5 | 4.7/31.3  | 50515 |
| 2001 BG <sub>73</sub>  | 2003 09 05.6 | 22 55.76 | +05 19.6 | 20.6 | -0.77 | - 7.0 | 3.5/09.9  | 12282 |
| 1998 SV <sub>74</sub>  | 2003 09 05.6 | 22 55.84 | -16 15.7 | 19.2 | -0.79 | - 4.1 | 2.9/02.6  | 50393 |
| 1999 TA <sub>166</sub> | 2003 09 05.6 | 22 55.86 | +02 18.3 | 19.0 | -0.80 | - 5.3 | 3.9/08.7  | 50427 |
| 2000 WH <sub>134</sub> | 2003 09 05.6 | 22 55.90 | -07 23.5 | 18.7 | -1.03 | - 2.9 | 0.2/05.5  | 50507 |
| 2000 WA <sub>141</sub> | 2003 09 05.6 | 22 55.92 | +03 24.3 | 20.0 | -0.91 | - 6.4 | 3.8/09.0  | 34978 |
| 2002 AN <sub>4</sub>   | 2003 09 05.6 | 22 55.92 | -09 28.9 | 18.3 | -1.58 | + 4.1 | 1.3/05.2  | 50584 |
| 2000 AA <sub>60</sub>  | 2003 09 05.6 | 22 55.95 | -02 53.8 | 19.4 | -0.76 | - 3.8 | 1.0/06.9  | 49776 |
| 1998 BM <sub>10</sub>  | 2003 09 05.6 | 22 55.97 | -28 30.0 | 21.3 | -0.92 | - 8.1 | 5.9/28.9  | 47722 |
| 2002 LL <sub>10</sub>  | 2003 09 05.6 | 22 55.99 | -28 03.7 | 19.3 | -0.75 | - 5.2 | 6.1/29.1  | 50612 |
| 2001 FX <sub>27</sub>  | 2003 09 05.6 | 22 56.00 | -16 18.5 | 18.9 | -0.85 | - 2.3 | 2.9/02.8  | 17575 |
| 2001 AT <sub>26</sub>  | 2003 09 05.6 | 22 56.02 | -08 23.6 | 18.7 | -0.91 | - 3.3 | 0.5/05.2  | 49881 |
| 2001 BH                | 2003 09 05.6 | 22 56.03 | -17 19.3 | 18.6 | -1.01 | - 5.4 | 4.3/02.3  | 50518 |
| 2002 HH <sub>5</sub>   | 2003 09 05.6 | 22 56.03 | -24 02.5 | 19.1 | -0.73 | - 7.3 | 6.1/30.3  | 48231 |
| 2002 EJ <sub>87</sub>  | 2003 09 05.6 | 22 56.05 | -14 52.2 | 18.9 | -1.04 | - 3.3 | 3.3/03.4  | 50030 |
| 1999 TP <sub>97</sub>  | 2003 09 05.6 | 22 56.11 | -16 08.9 | 18.1 | -0.78 | - 5.3 | 4.3/02.5  | 31278 |
| 1999 TS <sub>3</sub>   | 2003 09 05.6 | 22 56.14 | -06 20.0 | 18.9 | -0.85 | - 4.9 | 9.4/26.0  | 50422 |
| 2002 JM <sub>116</sub> | 2003 09 05.6 | 22 56.16 | -16 09.2 | 18.3 | -0.83 | - 8.7 | 4.1/02.3  | 50087 |
| 2000 WB <sub>9</sub>   | 2003 09 05.6 | 22 56.16 | +03 03.8 | 18.7 | -0.95 | - 5.0 | 4.4/08.7  | 49842 |
| 2000 UQ <sub>29</sub>  | 2003 09 05.6 | 22 56.17 | +26 12.8 | 19.8 | -0.95 | - 7.0 | 11.8/17.7 | 9847  |
| 2002 JF <sub>79</sub>  | 2003 09 05.7 | 22 56.13 | -13 14.7 | 18.2 | -0.94 | - 3.3 | 2.4/03.8  | 50610 |
| 2002 JY <sub>37</sub>  | 2003 09 05.7 | 22 56.18 | -11 42.7 | 19.5 | -0.90 | - 3.9 | 1.5/04.2  | 33998 |
| 2000 YQ <sub>108</sub> | 2003 09 05.7 | 22 56.19 | -26 00.1 | 20.1 | -0.84 | - 5.4 | 5.8/30.2  | 48001 |
| 1999 TF <sub>144</sub> | 2003 09 05.7 | 22 56.21 | -24 56.2 | 18.6 | -1.12 | + 1.3 | 7.8/01.0  | 49711 |
| 2002 JQ <sub>28</sub>  | 2003 09 05.7 | 22 56.25 | +17 16.4 | 18.9 | -0.75 | - 6.4 | 7.8/14.9  | 50076 |
| 2000 YL <sub>43</sub>  | 2003 09 05.7 | 22 56.31 | -10 02.9 | 19.5 | -0.85 | - 7.0 | 1.2/04.7  | 50512 |
| 2001 CW <sub>27</sub>  | 2003 09 05.7 | 22 56.31 | -11 05.5 | 19.8 | -0.89 | - 2.3 | 1.2/04.5  | 12288 |
| 2002 JW <sub>39</sub>  | 2003 09 05.7 | 22 56.37 | -31 10.1 | 18.3 | -0.76 | - 5.2 | 8.8/27.5  | 50608 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 ET <sub>10</sub>  | 2003 09 05.7 | 22 56.43 | -09 32.4 | 19.7 | -0.72 | - 4.9 | 0.8/04.9  | 11943 |
| 1999 VH <sub>224</sub> | 2003 09 05.7 | 22 56.43 | -07 00.2 | 18.9 | -0.73 | - 8.7 | 9.4/17.0  | 50440 |
| 1997 EQ <sub>46</sub>  | 2003 09 05.7 | 22 56.43 | -15 10.5 | 19.0 | -0.99 | - 2.4 | 2.6/03.4  | 50377 |
| 2000 VM <sub>46</sub>  | 2003 09 05.7 | 22 56.44 | -13 56.6 | 17.5 | -1.02 | - 0.5 | 3.7/03.9  | 50503 |
| 2001 BQ <sub>78</sub>  | 2003 09 05.7 | 22 56.44 | -02 53.6 | 19.9 | -0.95 | - 1.7 | 1.2/06.8  | 12283 |
| 2000 AM <sub>154</sub> | 2003 09 05.7 | 22 56.47 | -02 54.2 | 17.7 | -0.82 | - 1.7 | 1.2/06.9  | 50454 |
| 2000 YM <sub>106</sub> | 2003 09 05.7 | 22 56.48 | +00 52.2 | 19.7 | -0.94 | - 4.5 | 2.7/08.1  | 11020 |
| 2002 LK <sub>2</sub>   | 2003 09 05.7 | 22 56.48 | +02 39.2 | 20.0 | -0.68 | - 8.2 | 2.8/09.3  | 50612 |
| 1998 DG                | 2003 09 05.7 | 22 56.56 | -11 21.3 | 20.4 | -0.94 | - 5.3 | 1.6/04.4  | 31811 |
| 2002 GT <sub>81</sub>  | 2003 09 05.8 | 22 56.50 | -32 40.2 | 20.0 | -1.00 | - 0.2 | 8.8/29.4  | 31552 |
| 2001 BE <sub>67</sub>  | 2003 09 05.8 | 22 56.53 | +04 44.1 | 19.7 | -0.73 | - 4.0 | 2.9/09.6  | 50520 |
| 2000 YS <sub>71</sub>  | 2003 09 05.8 | 22 56.55 | +06 24.0 | 17.4 | -0.86 | - 4.9 | 6.2/10.1  | 50513 |
| 1999 XC <sub>230</sub> | 2003 09 05.8 | 22 56.58 | -26 00.2 | 18.5 | -0.98 | - 1.8 | 6.4/31.0  | 50448 |
| 1999 TW <sub>66</sub>  | 2003 09 05.8 | 22 56.63 | -04 24.2 | 18.8 | -0.84 | - 4.9 | 0.9/06.6  | 50424 |
| 2001 DQ <sub>28</sub>  | 2003 09 05.8 | 22 56.64 | -11 12.3 | 19.9 | -0.76 | - 4.1 | 1.2/04.4  | 48011 |
| 1999 TO <sub>202</sub> | 2003 09 05.8 | 22 56.65 | +03 13.5 | 19.6 | -0.79 | - 7.1 | 3.5/09.3  | 50428 |
| 1999 VM <sub>149</sub> | 2003 09 05.8 | 22 56.68 | -02 42.5 | 18.4 | -0.77 | - 6.3 | 1.4/07.2  | 50438 |
| 2000 TD <sub>35</sub>  | 2003 09 05.8 | 22 56.75 | -04 15.7 | 20.4 | -0.96 | - 7.2 | 1.0/06.7  | 47972 |
| 1998 SS <sub>54</sub>  | 2003 09 05.8 | 22 56.76 | -16 09.7 | 18.1 | -0.92 | - 0.9 | 2.9/03.2  | 50392 |
| 2002 JO <sub>40</sub>  | 2003 09 05.8 | 22 56.76 | -14 49.3 | 18.3 | -0.89 | - 1.2 | 3.0/03.6  | 50608 |
| 2003 QS <sub>53</sub>  | 2003 09 05.8 | 22 56.77 | -11 27.2 | 18.9 | -0.83 | - 6.6 | 2.1/04.3  | 50313 |
| 1999 RX <sub>76</sub>  | 2003 09 05.8 | 22 56.81 | -12 44.6 | 18.1 | -0.78 | - 8.1 | 2.5/03.7  | 50416 |
| 2001 CV <sub>31</sub>  | 2003 09 05.8 | 22 56.86 | -42 57.8 | 19.9 | -1.26 | + 0.3 | 10.5/25.4 | 13811 |
| 2002 JG <sub>99</sub>  | 2003 09 05.8 | 22 56.86 | -22 01.0 | 20.2 | -0.84 | - 7.5 | 5.0/31.5  | 48236 |
| 2002 ES <sub>59</sub>  | 2003 09 05.8 | 22 56.89 | -03 19.6 | 18.0 | -0.89 | - 5.0 | 1.6/07.0  | 50024 |
| 2000 YX <sub>106</sub> | 2003 09 05.9 | 22 56.83 | -31 55.6 | 18.2 | -0.94 | - 4.0 | 8.8/28.6  | 50514 |
| 2002 JC <sub>30</sub>  | 2003 09 05.9 | 22 56.84 | -10 39.6 | 18.9 | -0.77 | - 4.6 | 1.3/04.6  | 50608 |
| 1999 WL <sub>10</sub>  | 2003 09 05.9 | 22 56.87 | -22 03.1 | 19.0 | -0.93 | - 2.6 | 4.9/01.3  | 31880 |
| 2002 EY <sub>82</sub>  | 2003 09 05.9 | 22 56.88 | -03 19.5 | 18.0 | -0.84 | - 4.9 | 1.6/07.0  | 50598 |
| 1999 VM <sub>90</sub>  | 2003 09 05.9 | 22 56.90 | +11 57.0 | 18.5 | -0.72 | - 9.4 | 7.2/13.3  | 50436 |
| 2002 JE <sub>99</sub>  | 2003 09 05.9 | 22 56.90 | -30 50.8 | 18.4 | -0.82 | - 5.6 | 8.1/28.3  | 50085 |
| 2002 GB <sub>109</sub> | 2003 09 05.9 | 22 56.94 | -19 11.4 | 19.4 | -0.85 | - 6.7 | 4.2/01.7  | 32006 |
| 2003 QD <sub>54</sub>  | 2003 09 05.9 | 22 56.97 | -16 01.2 | 17.9 | -0.67 | -10.4 | 2.7/02.3  | 50313 |
| 1998 SD <sub>119</sub> | 2003 09 05.9 | 22 57.00 | -21 28.4 | 19.0 | -0.91 | - 1.4 | 4.5/01.6  | 3898  |
| 1999 XU <sub>242</sub> | 2003 09 05.9 | 22 57.01 | -22 06.3 | 19.5 | -0.81 | - 2.9 | 3.7/32.0  | 47836 |
| 2002 CR <sub>112</sub> | 2003 09 05.9 | 22 57.17 | -12 00.1 | 19.6 | -0.90 | - 6.0 | 1.8/04.3  | 48204 |
| 2002 FF <sub>24</sub>  | 2003 09 05.9 | 22 57.17 | -15 09.4 | 19.1 | -1.02 | - 0.4 | 3.2/03.8  | 50600 |
| 2001 FM <sub>64</sub>  | 2003 09 05.9 | 22 57.17 | -09 33.7 | 20.1 | -0.72 | - 5.0 | 0.8/05.0  | 48021 |
| 2000 SM <sub>128</sub> | 2003 09 05.9 | 22 57.18 | -09 00.0 | 18.9 | -0.91 | - 8.1 | 0.8/05.2  | 50491 |
| 2001 DX                | 2003 09 05.9 | 22 57.18 | -12 42.8 | 18.9 | -0.71 | - 6.9 | 1.8/03.9  | 50522 |
| 2002 LU <sub>30</sub>  | 2003 09 05.9 | 22 57.22 | -17 31.9 | 18.6 | -0.82 | - 6.0 | 3.7/02.3  | 50613 |
| 2003 QW <sub>53</sub>  | 2003 09 06.0 | 22 57.23 | -12 33.3 | 17.6 | -0.88 | - 4.0 | 2.9/04.2  | 50313 |
| 2000 UG <sub>28</sub>  | 2003 09 06.0 | 22 57.24 | -17 15.8 | 20.0 | -1.05 | - 4.6 | 4.3/02.8  | 33284 |
| 2000 WB <sub>29</sub>  | 2003 09 06.0 | 22 57.26 | -27 58.1 | 19.6 | -0.98 | - 6.2 | 8.5/29.5  | 50504 |
| 2001 DT <sub>30</sub>  | 2003 09 06.0 | 22 57.31 | -15 22.9 | 20.2 | -0.76 | - 8.5 | 2.7/02.9  | 12296 |
| 2002 JW <sub>142</sub> | 2003 09 06.0 | 22 57.31 | +06 39.5 | 19.5 | -0.81 | - 4.9 | 4.5/10.5  | 50611 |
| 2001 DW <sub>49</sub>  | 2003 09 06.0 | 22 57.34 | -19 27.6 | 19.6 | -0.96 | - 2.6 | 4.2/02.2  | 12300 |
| 2002 JK <sub>58</sub>  | 2003 09 06.0 | 22 57.42 | +26 29.4 | 18.0 | -0.72 | - 4.8 | 10.7/19.8 | 50080 |
| 2003 RC <sub>6</sub>   | 2003 09 06.0 | 22 57.42 | +19 38.5 | 18.0 | -0.85 | - 0.6 | 9.1/14.5  | 50326 |
| 1996 LU <sub>2</sub>   | 2003 09 06.0 | 22 57.43 | -01 28.5 | 20.0 | -0.68 | - 6.6 | 1.5/07.9  | 50375 |
| 1999 TX <sub>43</sub>  | 2003 09 06.0 | 22 57.44 | -12 01.3 | 19.0 | -0.91 | - 2.7 | 1.7/04.5  | 50424 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 FQ <sub>29</sub>  | 2003 09 06.0 | 22 57.46 | -27 10.7 | 19.4 | -0.85 | - 2.6 | 5.9/30.4  | 13827 |
| 2002 GX <sub>70</sub>  | 2003 09 06.0 | 22 57.56 | -04 25.4 | 19.0 | -0.71 | - 9.3 | 0.8/06.9  | 50054 |
| 2001 BR <sub>59</sub>  | 2003 09 06.0 | 22 57.62 | -09 33.4 | 19.3 | -0.78 | - 9.3 | 0.9/05.0  | 50519 |
| 2000 UQ <sub>99</sub>  | 2003 09 06.1 | 22 57.58 | -00 07.2 | 18.7 | -0.98 | - 4.8 | 2.9/08.1  | 49837 |
| 1998 SB <sub>74</sub>  | 2003 09 06.1 | 22 57.63 | -09 42.5 | 19.0 | -0.74 | - 5.5 | 0.9/05.1  | 50393 |
| 2002 GC <sub>100</sub> | 2003 09 06.1 | 22 57.67 | -12 25.3 | 17.7 | -0.97 | - 1.6 | 2.9/04.5  | 50604 |
| 2001 BH <sub>6</sub>   | 2003 09 06.1 | 22 57.68 | -14 01.8 | 17.6 | -0.73 | -10.5 | 2.7/03.3  | 50518 |
| 1999 VT <sub>181</sub> | 2003 09 06.1 | 22 57.70 | -01 12.1 | 20.3 | -0.79 | - 5.7 | 1.8/07.9  | 50439 |
| 2001 CB <sub>43</sub>  | 2003 09 06.1 | 22 57.74 | -25 55.4 | 18.6 | -0.77 | - 6.2 | 5.5/30.2  | 13251 |
| 2002 JU <sub>91</sub>  | 2003 09 06.1 | 22 57.78 | +00 16.5 | 17.9 | -0.72 | - 5.5 | 2.4/08.5  | 50084 |
| 2002 LN <sub>25</sub>  | 2003 09 06.1 | 22 57.82 | +06 48.5 | 19.0 | -0.72 | - 6.3 | 4.2/11.0  | 34014 |
| 2002 JF <sub>23</sub>  | 2003 09 06.1 | 22 57.84 | -19 47.4 | 20.6 | -0.96 | - 4.8 | 4.4/02.0  | 31638 |
| 2002 JM <sub>46</sub>  | 2003 09 06.1 | 22 57.91 | +08 33.4 | 20.2 | -0.83 | - 6.3 | 4.8/11.5  | 33998 |
| 1999 TF <sub>129</sub> | 2003 09 06.1 | 22 57.93 | +00 54.3 | 17.8 | -0.67 | - 9.4 | 3.4/09.0  | 50426 |
| 2002 CR <sub>56</sub>  | 2003 09 06.1 | 22 57.96 | -03 40.8 | 18.7 | -1.04 | - 3.8 | 1.2/07.0  | 30647 |
| 2001 FW <sub>106</sub> | 2003 09 06.1 | 22 57.97 | -13 13.1 | 19.6 | -1.04 | - 0.9 | 2.4/04.4  | 13334 |
| 1998 FK <sub>31</sub>  | 2003 09 06.1 | 22 57.98 | -16 48.5 | 19.7 | -1.07 | - 1.7 | 3.6/03.4  | 50382 |
| 2000 YO <sub>35</sub>  | 2003 09 06.2 | 22 57.96 | -12 16.9 | 19.3 | -0.92 | - 6.2 | 2.0/04.4  | 50512 |
| 2000 YK <sub>103</sub> | 2003 09 06.2 | 22 58.00 | -05 51.6 | 18.9 | -0.78 | - 8.2 | 0.2/06.5  | 50514 |
| 1999 RH <sub>258</sub> | 2003 09 06.2 | 22 58.01 | -12 18.4 | 17.0 | -0.53 | -15.8 | 2.5/03.7  | 49695 |
| 1999 UG <sub>28</sub>  | 2003 09 06.2 | 22 58.02 | -15 09.4 | 17.8 | -0.75 | - 2.5 | 4.3/03.5  | 49732 |
| 1997 HN <sub>9</sub>   | 2003 09 06.2 | 22 58.11 | +15 37.7 | 19.7 | -0.79 | - 6.7 | 7.1/14.3  | 12118 |
| 2002 CY <sub>229</sub> | 2003 09 06.2 | 22 58.15 | -09 14.5 | 17.2 | -0.86 | - 1.9 | 1.4/05.5  | 50594 |
| 1999 TM <sub>20</sub>  | 2003 09 06.2 | 22 58.20 | -09 34.3 | 18.3 | -0.90 | - 3.3 | 1.2/05.4  | 50423 |
| 2000 WW <sub>54</sub>  | 2003 09 06.2 | 22 58.21 | -07 58.2 | 18.5 | -0.97 | - 4.7 | 0.5/05.8  | 49846 |
| 2002 JJ <sub>33</sub>  | 2003 09 06.2 | 22 58.24 | -00 41.4 | 18.4 | -0.71 | - 6.3 | 1.9/08.3  | 50077 |
| 2002 AV <sub>11</sub>  | 2003 09 06.2 | 22 58.26 | +30 01.8 | 18.4 | -1.27 | 0.0   | 17.0/18.6 | 49951 |
| 2000 EL <sub>90</sub>  | 2003 09 06.2 | 22 58.31 | +08 29.4 | 18.5 | -0.67 | - 9.6 | 4.1/12.1  | 50465 |
| 2000 WJ <sub>106</sub> | 2003 09 06.3 | 22 58.28 | -47 16.4 | 20.0 | -1.27 | - 3.5 | 13.2/22.0 | 47991 |
| 1998 BU <sub>12</sub>  | 2003 09 06.3 | 22 58.32 | -16 38.3 | 18.8 | -0.93 | - 7.8 | 3.9/02.9  | 50381 |
| 2000 YL <sub>107</sub> | 2003 09 06.3 | 22 58.32 | -07 38.7 | 17.2 | -0.90 | - 4.1 | 0.5/06.0  | 50514 |
| 1999 RD <sub>82</sub>  | 2003 09 06.3 | 22 58.35 | +00 26.0 | 19.0 | -0.88 | - 4.5 | 2.9/08.5  | 49679 |
| 2000 YA <sub>32</sub>  | 2003 09 06.3 | 22 58.38 | -18 54.6 | 17.8 | -0.92 | - 6.8 | 5.0/02.1  | 49862 |
| 2002 JM <sub>119</sub> | 2003 09 06.3 | 22 58.42 | -18 35.2 | 18.0 | -0.76 | - 8.7 | 4.1/02.0  | 50087 |
| 1999 RT <sub>240</sub> | 2003 09 06.3 | 22 58.43 | -34 59.5 | 18.0 | -1.05 | + 0.6 | 12.7/28.3 | 50421 |
| 1999 VU <sub>4</sub>   | 2003 09 06.3 | 22 58.44 | -14 59.8 | 18.5 | -0.87 | - 3.7 | 3.0/03.7  | 50433 |
| 1999 RO <sub>22</sub>  | 2003 09 06.3 | 22 58.45 | +01 42.0 | 18.5 | -0.84 | - 5.4 | 3.2/09.0  | 50414 |
| 2002 CA <sub>169</sub> | 2003 09 06.3 | 22 58.55 | -12 47.4 | 18.7 | -1.02 | - 4.1 | 2.4/04.5  | 30674 |
| 1993 TF <sub>11</sub>  | 2003 09 06.3 | 22 58.56 | -00 13.2 | 18.3 | -0.93 | - 6.3 | 2.8/08.4  | 50369 |
| 2000 WD                | 2003 09 06.3 | 22 58.58 | +03 38.8 | 18.5 | -0.92 | - 6.6 | 4.0/09.7  | 50503 |
| 2003 QT <sub>39</sub>  | 2003 09 06.3 | 22 58.61 | -04 28.9 | 18.4 | -0.90 | - 5.8 | 0.9/07.0  | 50307 |
| 1998 HQ <sub>32</sub>  | 2003 09 06.3 | 22 58.65 | -02 47.0 | 19.6 | -0.86 | - 6.8 | 1.3/07.6  | 50385 |
| 1999 RB <sub>177</sub> | 2003 09 06.3 | 22 58.69 | -04 29.9 | 18.0 | -0.83 | - 7.1 | 0.8/07.1  | 49688 |
| 2000 XK <sub>13</sub>  | 2003 09 06.3 | 22 58.71 | -31 27.8 | 16.2 | -1.13 | + 4.3 | 12.9/30.9 | 50510 |
| 2002 JQ <sub>66</sub>  | 2003 09 06.4 | 22 58.69 | -02 50.7 | 19.0 | -0.83 | - 6.5 | 1.2/07.6  | 34000 |
| 2002 JB <sub>69</sub>  | 2003 09 06.4 | 22 58.73 | -31 19.6 | 18.4 | -0.93 | - 3.1 | 8.9/29.3  | 31700 |
| 2001 CT <sub>20</sub>  | 2003 09 06.4 | 22 58.74 | -32 18.7 | 22.5 | -0.73 | - 4.9 | 5.0/28.0  | 13810 |
| 1999 TG <sub>170</sub> | 2003 09 06.4 | 22 58.75 | -09 13.2 | 18.8 | -0.86 | - 3.8 | 0.9/05.6  | 50427 |
| 1999 HR <sub>9</sub>   | 2003 09 06.4 | 22 58.77 | -05 21.2 | 19.6 | -1.01 | - 5.9 | 0.5/06.8  | 5532  |
| 2000 VN <sub>32</sub>  | 2003 09 06.4 | 22 58.84 | -24 12.7 | 17.3 | -1.01 | - 4.8 | 7.6/31.7  | 50502 |
| 2002 JS <sub>38</sub>  | 2003 09 06.4 | 22 58.89 | -03 37.6 | 19.0 | -0.83 | - 4.1 | 1.0/07.4  | 50608 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 DL <sub>92</sub>  | 2003 09 06.4 | 22 58.92 | -25 08.9 | 18.8 | -0.79 | - 5.4 | 6.1/31.0  | 50525 |
| 2002 EE <sub>83</sub>  | 2003 09 06.4 | 22 58.92 | +01 15.4 | 19.2 | -0.89 | - 8.2 | 3.0/09.1  | 50028 |
| 2001 CL <sub>30</sub>  | 2003 09 06.4 | 22 58.94 | -02 35.6 | 19.2 | -0.80 | - 8.6 | 1.2/07.8  | 13811 |
| 1998 RH <sub>69</sub>  | 2003 09 06.4 | 22 58.97 | -07 47.8 | 18.4 | -0.83 | - 4.8 | 0.5/06.1  | 50391 |
| 2001 AZ <sub>51</sub>  | 2003 09 06.4 | 22 58.98 | -15 54.5 | 18.3 | -0.92 | - 8.9 | 3.3/03.2  | 50518 |
| 2002 JW <sub>79</sub>  | 2003 09 06.4 | 22 58.98 | -06 31.5 | 20.9 | -0.92 | - 5.4 | 0.0/06.5  | 48235 |
| 1994 RH <sub>16</sub>  | 2003 09 06.4 | 22 58.98 | -04 07.5 | 18.8 | -0.73 | -10.4 | 0.8/07.4  | 50371 |
| 2000 UA <sub>71</sub>  | 2003 09 06.4 | 22 58.99 | -04 03.9 | 17.9 | -0.99 | - 5.0 | 1.0/07.2  | 50500 |
| 2000 WJ <sub>48</sub>  | 2003 09 06.4 | 22 59.03 | -02 31.3 | 18.4 | -0.95 | - 7.3 | 1.6/07.8  | 34973 |
| 1995 TY <sub>2</sub>   | 2003 09 06.4 | 22 59.07 | -16 57.1 | 19.1 | -1.06 | + 1.8 | 4.9/04.0  | 50373 |
| 2002 GY <sub>55</sub>  | 2003 09 06.5 | 22 59.03 | -13 35.8 | 20.4 | -0.95 | - 6.2 | 2.5/04.2  | 48228 |
| 1998 TF <sub>20</sub>  | 2003 09 06.5 | 22 59.04 | -24 31.8 | 18.2 | -0.86 | - 1.4 | 5.4/01.1  | 50396 |
| 2002 CS <sub>94</sub>  | 2003 09 06.5 | 22 59.04 | -08 02.7 | 19.4 | -1.02 | - 4.1 | 0.6/06.1  | 49985 |
| 1999 RR <sub>176</sub> | 2003 09 06.5 | 22 59.07 | -02 30.3 | 18.7 | -0.80 | - 7.2 | 1.6/07.9  | 50419 |
| 1998 SD <sub>90</sub>  | 2003 09 06.5 | 22 59.09 | +04 07.1 | 19.2 | -0.70 | - 7.2 | 3.5/10.3  | 49656 |
| 1998 XV <sub>12</sub>  | 2003 09 06.5 | 22 59.10 | -14 25.4 | 18.4 | -0.69 | - 5.2 | 2.2/03.8  | 50400 |
| 1999 VG <sub>127</sub> | 2003 09 06.5 | 22 59.13 | -15 14.3 | 19.6 | -0.90 | - 3.7 | 3.3/03.9  | 31302 |
| 2000 WM <sub>13</sub>  | 2003 09 06.5 | 22 59.16 | +39 11.5 | 18.7 | -0.94 | - 2.6 | 18.9/29.4 | 50503 |
| 1999 HT <sub>9</sub>   | 2003 09 06.5 | 22 59.20 | +00 23.1 | 19.9 | -0.97 | - 7.3 | 2.6/08.8  | 47777 |
| 2001 BC <sub>64</sub>  | 2003 09 06.5 | 22 59.26 | +03 56.6 | 19.0 | -0.84 | - 3.6 | 3.2/09.8  | 12280 |
| 1998 RV <sub>47</sub>  | 2003 09 06.5 | 22 59.30 | +03 40.7 | 18.2 | -0.71 | - 7.1 | 3.4/10.2  | 50390 |
| 2000 YA <sub>63</sub>  | 2003 09 06.5 | 22 59.35 | -25 39.5 | 19.8 | -0.75 | - 6.5 | 5.1/30.7  | 31931 |
| 2000 VE <sub>31</sub>  | 2003 09 06.5 | 22 59.35 | -02 10.6 | 19.5 | -0.95 | - 5.9 | 1.7/07.9  | 50502 |
| 2002 JQ <sub>8</sub>   | 2003 09 06.6 | 22 59.37 | -02 26.1 | 19.7 | -0.79 | - 7.7 | 1.3/08.0  | 50607 |
| 2002 EA <sub>28</sub>  | 2003 09 06.6 | 22 59.40 | -10 05.3 | 20.8 | -0.93 | - 6.1 | 1.3/05.5  | 48217 |
| 2001 FZ <sub>27</sub>  | 2003 09 06.6 | 22 59.42 | -10 08.8 | 18.9 | -0.68 | - 7.0 | 1.1/05.3  | 50528 |
| 1999 NP                | 2003 09 06.6 | 22 59.43 | -07 55.6 | 19.3 | -0.96 | - 4.6 | 0.6/06.2  | 50411 |
| 2002 JP <sub>11</sub>  | 2003 09 06.6 | 22 59.50 | +10 06.6 | 18.5 | -0.74 | - 6.4 | 5.3/12.7  | 33996 |
| 2000 VV <sub>26</sub>  | 2003 09 06.6 | 22 59.52 | -03 02.2 | 18.4 | -0.92 | - 6.1 | 1.2/07.7  | 50502 |
| 2002 ER <sub>12</sub>  | 2003 09 06.6 | 22 59.53 | -02 07.2 | 19.3 | -0.90 | - 5.7 | 1.5/08.0  | 50596 |
| 1999 TM <sub>289</sub> | 2003 09 06.6 | 22 59.55 | -07 51.2 | 18.4 | -0.70 | - 8.8 | 0.6/06.1  | 49727 |
| 2001 AN <sub>11</sub>  | 2003 09 06.6 | 22 59.58 | -06 46.7 | 19.3 | -0.85 | - 6.3 | 0.1/06.5  | 50516 |
| 2000 SV <sub>104</sub> | 2003 09 06.6 | 22 59.59 | -07 54.1 | 19.4 | -1.00 | - 4.2 | 0.7/06.2  | 50490 |
| 2000 YS <sub>34</sub>  | 2003 09 06.6 | 22 59.61 | -12 35.6 | 18.8 | -0.83 | - 8.3 | 2.0/04.5  | 50512 |
| 2001 BG <sub>23</sub>  | 2003 09 06.6 | 22 59.66 | -09 58.3 | 18.4 | -0.93 | - 5.2 | 1.5/05.6  | 50518 |
| 2002 GT <sub>45</sub>  | 2003 09 06.6 | 22 59.67 | -09 42.2 | 18.4 | -0.74 | - 5.7 | 1.1/05.6  | 50051 |
| 2001 FC <sub>37</sub>  | 2003 09 06.6 | 22 59.69 | -00 33.9 | 19.0 | -0.74 | - 8.7 | 1.8/08.8  | 50528 |
| 1999 TB <sub>151</sub> | 2003 09 06.7 | 22 59.71 | -21 05.7 | 18.0 | -1.11 | + 2.3 | 6.5/03.4  | 50427 |
| 2002 LG <sub>52</sub>  | 2003 09 06.7 | 22 59.71 | -19 03.6 | 19.4 | -0.74 | - 7.0 | 4.0/02.2  | 50095 |
| 2000 SB <sub>122</sub> | 2003 09 06.7 | 22 59.73 | -04 18.8 | 18.4 | -0.74 | -10.0 | 1.1/07.5  | 50491 |
| 2002 JW <sub>73</sub>  | 2003 09 06.7 | 22 59.76 | -16 26.4 | 19.1 | -0.85 | - 6.7 | 3.2/03.3  | 34001 |
| 2000 WG <sub>179</sub> | 2003 09 06.7 | 22 59.84 | -06 56.9 | 19.2 | -0.90 | - 8.1 | 0.2/06.5  | 33887 |
| 1996 JV <sub>6</sub>   | 2003 09 06.7 | 22 59.85 | -10 57.6 | 20.6 | -0.73 | - 4.9 | 1.3/05.2  | 3145  |
| 2000 YT <sub>54</sub>  | 2003 09 06.7 | 22 59.90 | -00 43.1 | 18.5 | -0.92 | - 4.2 | 2.3/08.5  | 50513 |
| 2003 PU                | 2003 09 06.7 | 22 59.90 | +05 30.9 | 17.9 | -1.45 | + 6.2 | 5.5/08.8  | 50275 |
| 2000 XF <sub>13</sub>  | 2003 09 06.7 | 22 59.91 | -24 24.0 | 18.7 | -1.04 | - 1.9 | 6.2/01.4  | 50510 |
| 2000 XL <sub>37</sub>  | 2003 09 06.7 | 22 59.93 | -07 53.6 | 18.1 | -1.00 | - 1.4 | 0.5/06.3  | 50510 |
| 1998 SU <sub>79</sub>  | 2003 09 06.7 | 22 59.96 | -08 38.6 | 19.0 | -0.79 | - 4.2 | 0.8/06.0  | 50393 |
| 1998 FA <sub>115</sub> | 2003 09 06.7 | 22 59.99 | -02 05.3 | 18.8 | -0.92 | - 4.2 | 1.5/08.1  | 50383 |
| 1997 BW <sub>2</sub>   | 2003 09 06.7 | 22 59.99 | -19 33.7 | 18.9 | -0.82 | - 8.6 | 4.3/02.0  | 10838 |
| 2000 UM <sub>52</sub>  | 2003 09 06.7 | 23 00.01 | -20 07.9 | 18.8 | -1.00 | - 5.0 | 6.0/02.4  | 50499 |



2003 SEPT. 10

M.P.C. 49697

|                        |              |          |          |      |       |       |          |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-----------|-------|
| 1998 FM <sub>2</sub>   | 2003 09 06.7 | 23 00.04 | -30 01.5 | 19.5 | -1.53 | +     | 6.0      | 9.0/02.9  | 30262 |
| 1999 VE <sub>195</sub> | 2003 09 06.7 | 23 00.08 | -11 31.5 | 19.6 | -0.83 | -     | 5.8      | 1.9/05.1  | 50439 |
| 2002 EG <sub>155</sub> | 2003 09 06.8 | 23 00.07 | -13 16.0 | 20.7 | -0.95 | -     | 6.1      | 2.5/04.6  | 37749 |
| 1999 RK <sub>200</sub> | 2003 09 06.8 | 23 00.11 | +16 41.1 | 19.4 | -0.79 | -     | 6.0      | 9.3/15.2  | 49691 |
| 1999 VO <sub>112</sub> | 2003 09 06.8 | 23 00.12 | -08 15.6 | 18.7 | -0.76 | -     | 4.6      | 0.6/06.2  | 50437 |
| 4706 P-L               | 2003 09 06.8 | 23 00.14 | -11 29.3 | 18.6 | -1.06 | -     | 3.5      | 2.1/05.4  | 35048 |
| 1999 XT <sub>192</sub> | 2003 09 06.8 | 23 00.22 | -25 19.0 | 20.1 | -0.82 | -     | 3.0      | 5.2/31.7  | 47835 |
| 2001 FS <sub>11</sub>  | 2003 09 06.8 | 23 00.35 | -28 08.0 | 18.9 | -0.96 | +     | 0.1      | 6.6/31.6  | 13282 |
| 2002 EH <sub>17</sub>  | 2003 09 06.8 | 23 00.36 | -07 25.5 | 17.6 | -0.67 | -     | 8.2      | 0.5/06.5  | 50017 |
| 2002 JX <sub>20</sub>  | 2003 09 06.8 | 23 00.37 | -21 55.6 | 18.0 | -0.86 | -     | 1.8      | 5.5/02.2  | 32017 |
| 2000 SE <sub>198</sub> | 2003 09 06.8 | 23 00.37 | -15 33.7 | 18.7 | -0.98 | -     | 7.5      | 3.8/03.8  | 50493 |
| 2000 DV <sub>76</sub>  | 2003 09 06.8 | 23 00.37 | -04 36.7 | 19.9 | -0.60 | -     | 3.3      | 0.4/07.5  | 33866 |
| 2000 YL <sub>59</sub>  | 2003 09 06.8 | 23 00.39 | -10 11.2 | 19.4 | -0.86 | -     | 5.8      | 1.3/05.6  | 50513 |
| 2000 YY <sub>132</sub> | 2003 09 06.8 | 23 00.44 | +00 33.8 | 18.4 | -0.91 | -     | 2.1      | 2.6/08.9  | 50515 |
| 2000 SS <sub>154</sub> | 2003 09 06.8 | 23 00.47 | -16 48.3 | 18.4 | -1.02 | -     | 5.2      | 3.9/03.6  | 50492 |
| 1998 SW <sub>146</sub> | 2003 09 06.8 | 23 00.48 | -10 24.1 | 18.5 | -0.76 | -     | 4.4      | 1.5/05.6  | 50395 |
| 2002 CG <sub>10</sub>  | 2003 09 06.8 | 23 00.50 | -07 03.2 | 19.8 | -1.72 | +     | 7.8      | 0.4/06.8  | 49971 |
| 2000 YO                | 2003 09 06.8 | 23 00.53 | -30 04.7 | 18.9 | -1.08 | -     | 1.7      | 7.3/30.7  | 13800 |
| 2000 YO <sub>78</sub>  | 2003 09 06.9 | 23 00.45 | +11 12.3 | 20.1 | -0.86 | -     | 4.0      | 5.2/12.7  | 48000 |
| 2001 BF <sub>56</sub>  | 2003 09 06.9 | 23 00.47 | -14 46.9 | 19.2 | -0.88 | -     | 7.2      | 3.9/04.0  | 49892 |
| 2001 FO <sub>155</sub> | 2003 09 06.9 | 23 00.48 | -04 13.5 | 18.3 | -0.68 | -     | 7.5      | 0.7/07.7  | 50531 |
| 2000 YS <sub>84</sub>  | 2003 09 06.9 | 23 00.51 | -10 30.7 | 17.9 | -0.89 | -     | 6.7      | 1.5/05.5  | 50514 |
| 2002 CW <sub>104</sub> | 2003 09 06.9 | 23 00.63 | -10 56.4 | 20.0 | -1.09 | -     | 2.7      | 1.9/05.7  | 49989 |
| 1999 RO <sub>222</sub> | 2003 09 06.9 | 23 00.78 | +11 51.8 | 18.4 | -0.67 | -11.6 | 7.5/14.5 | 33090     |       |
| 2000 YR <sub>91</sub>  | 2003 09 06.9 | 23 00.80 | -04 11.3 | 18.4 | -0.90 | -     | 4.1      | 1.0/07.6  | 49872 |
| 1999 XT <sub>151</sub> | 2003 09 06.9 | 23 00.80 | +02 27.2 | 19.5 | -0.77 | -     | 3.1      | 2.6/09.7  | 50445 |
| 2002 GA <sub>92</sub>  | 2003 09 06.9 | 23 00.86 | -06 08.6 | 18.0 | -0.93 | -     | 2.2      | 0.1/07.0  | 50058 |
| 1999 JN <sub>76</sub>  | 2003 09 06.9 | 23 00.88 | -17 27.9 | 18.3 | -0.93 | -     | 7.2      | 4.6/03.3  | 50409 |
| 2000 WL <sub>16</sub>  | 2003 09 06.9 | 23 00.88 | -11 26.0 | 20.5 | -0.96 | -     | 5.2      | 1.7/05.4  | 17481 |
| 2002 GL <sub>15</sub>  | 2003 09 07.0 | 23 00.79 | -16 54.9 | 18.8 | -1.02 | -     | 2.3      | 4.3/04.0  | 30138 |
| 1999 XB <sub>181</sub> | 2003 09 07.0 | 23 00.83 | -05 11.8 | 17.9 | -0.88 | -     | 3.1      | 0.4/07.3  | 50446 |
| 1999 RV <sub>158</sub> | 2003 09 07.0 | 23 00.88 | -07 52.7 | 17.9 | -0.82 | -     | 7.4      | 0.6/06.5  | 49685 |
| 1998 HY <sub>94</sub>  | 2003 09 07.0 | 23 00.91 | -29 16.1 | 19.2 | -1.06 | -     | 0.2      | 8.8/31.8  | 50385 |
| 2002 JG <sub>102</sub> | 2003 09 07.0 | 23 00.93 | -10 22.5 | 19.8 | -0.91 | -     | 5.6      | 1.4/05.7  | 50610 |
| 2001 FK <sub>84</sub>  | 2003 09 07.0 | 23 00.98 | -13 18.3 | 19.2 | -0.86 | -     | 1.6      | 2.4/05.0  | 49914 |
| 1997 HM <sub>14</sub>  | 2003 09 07.0 | 23 01.03 | -09 37.9 | 19.0 | -0.85 | -     | 3.7      | 1.3/06.0  | 50378 |
| 2002 CZ <sub>213</sub> | 2003 09 07.0 | 23 01.06 | -05 04.2 | 19.7 | -1.06 | -     | 3.8      | 0.5/07.4  | 29865 |
| 2002 EY <sub>94</sub>  | 2003 09 07.0 | 23 01.11 | -10 21.5 | 18.5 | -0.84 | -     | 7.1      | 1.8/05.7  | 50598 |
| 1995 YQ <sub>5</sub>   | 2003 09 07.0 | 23 01.13 | -10 40.7 | 19.5 | -0.83 | -     | 5.9      | 1.7/05.6  | 50374 |
| 2000 WW <sub>70</sub>  | 2003 09 07.1 | 23 01.18 | -06 54.8 | 18.2 | -1.05 | -     | 2.9      | 0.2/06.9  | 50505 |
| 2002 CK <sub>167</sub> | 2003 09 07.1 | 23 01.19 | -14 33.5 | 19.2 | -0.98 | -     | 5.5      | 2.9/04.6  | 30674 |
| 2000 SM <sub>59</sub>  | 2003 09 07.1 | 23 01.20 | -03 41.3 | 18.7 | -1.03 | -     | 5.4      | 1.1/07.9  | 50489 |
| 1998 FV <sub>94</sub>  | 2003 09 07.1 | 23 01.23 | -17 28.4 | 18.9 | -1.06 | -     | 1.1      | 4.3/04.2  | 50383 |
| 2002 LX <sub>6</sub>   | 2003 09 07.1 | 23 01.25 | -15 42.5 | 19.0 | -0.80 | -     | 6.7      | 3.1/03.9  | 35200 |
| 2002 LO <sub>29</sub>  | 2003 09 07.1 | 23 01.27 | -24 02.4 | 17.9 | -0.87 | -     | 2.5      | 6.0/01.5  | 48239 |
| 2001 FM <sub>101</sub> | 2003 09 07.1 | 23 01.40 | +05 05.2 | 20.5 | -0.71 | -     | 6.3      | 3.3/11.2  | 48023 |
| 2001 EZ <sub>5</sub>   | 2003 09 07.1 | 23 01.40 | -18 00.3 | 18.8 | -0.85 | -     | 2.3      | 3.5/03.6  | 50526 |
| 2000 DK <sub>87</sub>  | 2003 09 07.1 | 23 01.40 | -17 09.2 | 18.5 | -0.75 | -     | 4.9      | 3.3/03.4  | 50462 |
| 2001 ER <sub>16</sub>  | 2003 09 07.1 | 23 01.52 | -05 47.5 | 18.6 | -0.79 | -     | 2.8      | 0.1/07.3  | 49908 |
| 2002 GE <sub>4</sub>   | 2003 09 07.1 | 23 01.61 | -41 50.6 | 21.2 | -1.22 | -     | 2.0      | 10.6/26.7 | 30121 |
| 1999 VL <sub>91</sub>  | 2003 09 07.2 | 23 01.53 | -15 59.3 | 18.5 | -0.90 | -     | 3.6      | 3.5/04.2  | 50436 |

|                        |              |          |          |      |       |   |     |           |       |
|------------------------|--------------|----------|----------|------|-------|---|-----|-----------|-------|
| 2001 BU <sub>69</sub>  | 2003 09 07.2 | 23 01.55 | -13 27.6 | 18.7 | -0.81 | - | 2.4 | 2.0/05.0  | 50520 |
| 2001 FT <sub>92</sub>  | 2003 09 07.2 | 23 01.56 | -18 33.1 | 20.1 | -0.73 | - | 4.5 | 3.1/03.1  | 13838 |
| 1999 VS <sub>98</sub>  | 2003 09 07.2 | 23 01.56 | -04 24.8 | 18.8 | -0.77 | - | 4.9 | 0.8/07.8  | 49745 |
| 1999 XW <sub>52</sub>  | 2003 09 07.2 | 23 01.59 | -18 36.7 | 17.8 | -0.81 | - | 3.3 | 5.4/03.3  | 50442 |
| 1998 QS <sub>77</sub>  | 2003 09 07.2 | 23 01.60 | +07 18.0 | 17.8 | -0.81 | - | 3.0 | 4.6/11.5  | 50389 |
| 1999 TT <sub>184</sub> | 2003 09 07.2 | 23 01.72 | +07 12.1 | 18.4 | -1.01 | - | 0.6 | 5.1/10.8  | 50428 |
| 1999 UR <sub>29</sub>  | 2003 09 07.2 | 23 01.74 | -20 36.9 | 20.1 | -0.98 | - | 1.8 | 4.8/03.2  | 31873 |
| 1998 XA <sub>8</sub>   | 2003 09 07.2 | 23 01.80 | -05 54.1 | 19.3 | -0.73 | - | 5.0 | 0.1/07.4  | 18184 |
| 1999 TX <sub>213</sub> | 2003 09 07.2 | 23 01.82 | -03 50.0 | 19.5 | -0.84 | - | 7.0 | 0.9/08.1  | 47810 |
| 2001 ES <sub>6</sub>   | 2003 09 07.2 | 23 01.83 | -12 52.3 | 18.0 | -0.87 | - | 6.6 | 2.4/05.0  | 50526 |
| 1999 TS <sub>140</sub> | 2003 09 07.2 | 23 01.85 | -10 50.0 | 19.2 | -0.94 | - | 3.3 | 2.0/05.9  | 49710 |
| 2002 JY <sub>73</sub>  | 2003 09 07.2 | 23 01.92 | -18 39.4 | 19.7 | -0.89 | - | 6.9 | 3.9/03.1  | 34001 |
| 1999 NU <sub>5</sub>   | 2003 09 07.2 | 23 01.93 | -07 34.0 | 17.9 | -0.75 | - | 7.2 | 0.6/06.8  | 49666 |
| 1994 UA <sub>6</sub>   | 2003 09 07.2 | 23 01.93 | -17 53.3 | 18.4 | -0.94 | - | 2.0 | 4.7/03.8  | 50371 |
| 2002 GS <sub>94</sub>  | 2003 09 07.2 | 23 01.95 | -05 44.4 | 17.1 | -0.91 | - | 3.7 | 0.2/07.4  | 50058 |
| 1998 TA <sub>33</sub>  | 2003 09 07.3 | 23 01.91 | -06 15.2 | 18.3 | -0.75 | - | 5.2 | 0.0/07.3  | 50396 |
| 1999 RY <sub>32</sub>  | 2003 09 07.3 | 23 01.92 | +05 19.5 | 18.1 | -0.94 | - | 2.4 | 4.6/10.7  | 50415 |
| 2001 FP <sub>189</sub> | 2003 09 07.3 | 23 01.92 | -11 53.7 | 19.1 | -0.73 | - | 4.8 | 1.7/05.4  | 49917 |
| 2002 FB <sub>35</sub>  | 2003 09 07.3 | 23 01.92 | -07 31.6 | 20.2 | -0.90 | - | 4.8 | 0.5/06.9  | 50601 |
| 1999 XC <sub>20</sub>  | 2003 09 07.3 | 23 01.98 | -23 48.6 | 18.5 | -0.91 | - | 3.8 | 5.8/01.6  | 50441 |
| 1998 SB <sub>59</sub>  | 2003 09 07.3 | 23 02.00 | -05 42.6 | 18.2 | -0.72 | - | 6.4 | 0.2/07.5  | 50393 |
| 1999 TX <sub>251</sub> | 2003 09 07.3 | 23 02.00 | -28 58.4 | 19.1 | -1.03 | - | 2.0 | 8.4/31.1  | 12964 |
| 1999 TZ <sub>116</sub> | 2003 09 07.3 | 23 02.05 | -11 20.1 | 18.2 | -0.86 | - | 1.4 | 2.5/05.9  | 50425 |
| 2000 SM <sub>330</sub> | 2003 09 07.3 | 23 02.07 | -14 07.2 | 19.9 | -1.03 | - | 4.2 | 2.8/05.0  | 50496 |
| 1996 TL <sub>3</sub>   | 2003 09 07.3 | 23 02.08 | -05 57.3 | 18.7 | -0.86 | - | 7.2 | 0.1/07.4  | 50376 |
| 1039 T-2               | 2003 09 07.3 | 23 02.16 | -11 05.1 | 19.4 | -1.01 | - | 1.8 | 1.9/06.0  | 50810 |
| 1998 RD <sub>65</sub>  | 2003 09 07.3 | 23 02.17 | -04 53.9 | 18.1 | -0.77 | - | 4.6 | 0.4/07.8  | 50391 |
| 2000 VN <sub>30</sub>  | 2003 09 07.3 | 23 02.17 | -27 17.7 | 18.1 | -0.99 | - | 4.9 | 8.5/31.3  | 31921 |
| 2001 FF <sub>164</sub> | 2003 09 07.3 | 23 02.18 | +04 52.1 | 19.5 | -0.69 | - | 5.5 | 3.1/11.2  | 48026 |
| 2002 JL <sub>93</sub>  | 2003 09 07.3 | 23 02.21 | -12 45.6 | 20.3 | -0.97 | - | 5.1 | 2.3/05.3  | 40932 |
| 2002 CK <sub>145</sub> | 2003 09 07.3 | 23 02.22 | -03 36.7 | 18.7 | -0.87 | - | 4.1 | 0.9/08.2  | 49995 |
| 1999 JD <sub>74</sub>  | 2003 09 07.3 | 23 02.27 | -14 38.1 | 19.2 | -0.94 | - | 6.9 | 3.5/04.6  | 47780 |
| 1992 EM <sub>13</sub>  | 2003 09 07.4 | 23 02.26 | -02 58.2 | 18.9 | -0.88 | - | 2.7 | 1.0/08.4  | 50367 |
| 1999 TA <sub>49</sub>  | 2003 09 07.4 | 23 02.28 | -03 27.2 | 18.7 | -0.78 | - | 8.1 | 1.0/08.4  | 50424 |
| 2001 BH <sub>82</sub>  | 2003 09 07.4 | 23 02.31 | -19 18.0 | 18.9 | -0.96 | - | 4.6 | 4.7/03.2  | 38290 |
| 2000 XX <sub>34</sub>  | 2003 09 07.4 | 23 02.36 | -19 35.0 | 19.2 | -1.09 | - | 3.0 | 4.9/03.5  | 12259 |
| 1996 HU <sub>20</sub>  | 2003 09 07.4 | 23 02.39 | -03 07.0 | 20.2 | -0.71 | - | 4.9 | 0.8/08.5  | 47703 |
| 2000 XZ <sub>46</sub>  | 2003 09 07.4 | 23 02.39 | -36 40.4 | 19.9 | -1.22 | + | 0.8 | 9.0/30.0  | 9459  |
| 1999 ND <sub>65</sub>  | 2003 09 07.4 | 23 02.56 | -16 20.1 | 18.0 | -0.68 | - | 5.6 | 5.2/03.8  | 49669 |
| 1999 XO <sub>200</sub> | 2003 09 07.4 | 23 02.61 | +01 13.7 | 18.2 | -0.79 | - | 2.9 | 2.2/09.8  | 50447 |
| 2000 SJ <sub>241</sub> | 2003 09 07.4 | 23 02.61 | -03 16.6 | 18.8 | -1.00 | - | 5.2 | 1.3/08.4  | 50494 |
| 2002 JL <sub>80</sub>  | 2003 09 07.4 | 23 02.65 | -18 55.4 | 19.7 | -1.03 | - | 3.6 | 4.8/03.7  | 30217 |
| 2001 XM <sub>50</sub>  | 2003 09 07.4 | 23 02.66 | +15 17.1 | 19.3 | -1.38 | + | 1.4 | 10.5/12.6 | 26069 |
| 2002 JN <sub>72</sub>  | 2003 09 07.5 | 23 02.60 | -02 09.7 | 19.5 | -0.76 | - | 7.9 | 1.3/08.9  | 50609 |
| 2002 JP <sub>94</sub>  | 2003 09 07.5 | 23 02.62 | -07 15.6 | 19.3 | -0.97 | - | 5.7 | 0.4/07.2  | 32028 |
| 2001 FP <sub>160</sub> | 2003 09 07.5 | 23 02.79 | -24 20.1 | 20.3 | -0.71 | - | 5.5 | 4.0/01.0  | 35060 |
| 1999 TF <sub>204</sub> | 2003 09 07.5 | 23 02.87 | -06 55.7 | 18.9 | -0.86 | - | 3.7 | 0.3/07.3  | 50429 |
| 2002 ES <sub>67</sub>  | 2003 09 07.5 | 23 02.88 | +00 15.7 | 19.0 | -0.81 | - | 9.3 | 2.7/09.9  | 50025 |
| 2001 FA <sub>23</sub>  | 2003 09 07.5 | 23 02.88 | +04 59.7 | 19.4 | -0.67 | - | 7.6 | 3.1/11.6  | 49911 |
| 1999 UO <sub>49</sub>  | 2003 09 07.5 | 23 02.93 | +07 43.5 | 18.6 | -0.86 | - | 5.3 | 4.9/12.1  | 13618 |
| 2000 VR <sub>53</sub>  | 2003 09 07.5 | 23 02.93 | -17 26.7 | 17.7 | -1.05 | - | 2.5 | 4.7/04.4  | 50503 |

|                        |              |          |          |      |       |   |      |           |       |
|------------------------|--------------|----------|----------|------|-------|---|------|-----------|-------|
| 2000 SY <sub>177</sub> | 2003 09 07.5 | 23 02.96 | -07 42.4 | 17.9 | -1.04 | - | 3.2  | 0.6/07.1  | 50492 |
| 2000 WL <sub>175</sub> | 2003 09 07.5 | 23 02.99 | -46 44.8 | 18.4 | -1.04 | - | 5.2  | 12.9/22.6 | 33887 |
| 2002 EP <sub>109</sub> | 2003 09 07.5 | 23 03.00 | -09 08.3 | 19.1 | -0.82 | - | 8.8  | 1.4/06.5  | 50035 |
| 1999 XC <sub>57</sub>  | 2003 09 07.6 | 23 02.96 | -08 37.6 | 19.8 | -0.74 | - | 5.0  | 0.7/06.8  | 50443 |
| 2000 XA <sub>33</sub>  | 2003 09 07.6 | 23 03.00 | -11 36.3 | 18.4 | -1.04 | - | 4.1  | 2.2/06.0  | 11010 |
| 2001 BS                | 2003 09 07.6 | 23 03.06 | -24 32.4 | 20.1 | -0.85 | - | 6.6  | 5.4/01.0  | 13805 |
| 1999 XL <sub>229</sub> | 2003 09 07.6 | 23 03.09 | -14 20.0 | 17.4 | -1.05 | + | 0.8  | 3.5/05.5  | 50448 |
| 2002 CN <sub>22</sub>  | 2003 09 07.6 | 23 03.10 | -10 01.0 | 20.0 | -0.96 | - | 6.5  | 1.5/06.4  | 31447 |
| 2002 EZ <sub>77</sub>  | 2003 09 07.6 | 23 03.12 | -03 14.4 | 18.0 | -0.77 | - | 6.1  | 1.3/08.6  | 50598 |
| 1998 RK <sub>14</sub>  | 2003 09 07.6 | 23 03.14 | -06 07.7 | 20.0 | -0.77 | - | 5.5  | 0.0/07.6  | 19342 |
| 2001 DZ <sub>80</sub>  | 2003 09 07.6 | 23 03.19 | -18 07.7 | 20.2 | -0.87 | - | 3.4  | 3.7/03.9  | 17562 |
| 1999 RG <sub>7</sub>   | 2003 09 07.6 | 23 03.23 | -15 19.6 | 19.1 | -1.08 | + | 0.2  | 3.6/05.3  | 50414 |
| 2001 CZ <sub>9</sub>   | 2003 09 07.6 | 23 03.29 | -14 33.7 | 20.4 | -0.84 | - | 3.8  | 2.3/05.0  | 20836 |
| 1997 ER <sub>28</sub>  | 2003 09 07.6 | 23 03.30 | -06 21.0 | 21.3 | -0.85 | - | 4.5  | 0.1/07.6  | 8021  |
| 1998 FW <sub>99</sub>  | 2003 09 07.6 | 23 03.32 | +02 22.9 | 19.4 | -0.90 | - | 5.8  | 2.8/10.4  | 50383 |
| 1998 FN <sub>10</sub>  | 2003 09 07.6 | 23 03.35 | -03 49.2 | 20.4 | -0.92 | - | 5.3  | 0.8/08.4  | 47725 |
| 2001 CX <sub>17</sub>  | 2003 09 07.6 | 23 03.38 | +13 02.2 | 20.1 | -0.81 | - | 6.4  | 5.5/14.4  | 50521 |
| 1998 KL <sub>47</sub>  | 2003 09 07.7 | 23 03.33 | -26 41.8 | 19.3 | -0.89 | - | 5.9  | 6.6/31.5  | 50387 |
| 1995 UM <sub>50</sub>  | 2003 09 07.7 | 23 03.41 | -08 29.2 | 20.7 | -0.89 | - | 3.9  | 0.9/07.0  | 31107 |
| 2000 UR <sub>32</sub>  | 2003 09 07.7 | 23 03.44 | +00 18.1 | 19.5 | -0.90 | - | 7.1  | 2.3/09.8  | 50499 |
| 2002 HY <sub>1</sub>   | 2003 09 07.7 | 23 03.52 | -20 31.7 | 17.4 | -0.99 | - | 2.4  | 6.7/03.4  | 30160 |
| 2003 OZ <sub>30</sub>  | 2003 09 07.7 | 23 03.55 | +04 23.3 | 17.4 | -0.85 | - | 1.9  | 3.6/11.0  | 50273 |
| 2000 WU <sub>14</sub>  | 2003 09 07.7 | 23 03.58 | +03 50.3 | 18.9 | -0.94 | - | 4.9  | 3.6/10.8  | 50504 |
| 2002 GL <sub>88</sub>  | 2003 09 07.7 | 23 03.61 | -22 08.7 | 20.2 | -0.87 | - | 6.4  | 5.0/02.3  | 48229 |
| 1999 JG <sub>120</sub> | 2003 09 07.7 | 23 03.66 | -02 11.4 | 18.7 | -0.91 | - | 6.3  | 1.7/09.0  | 50410 |
| 2000 WT <sub>75</sub>  | 2003 09 07.8 | 23 03.70 | +03 31.3 | 18.1 | -0.99 | - | 4.1  | 4.5/10.6  | 49848 |
| 7574 P-L               | 2003 09 07.8 | 23 03.70 | -16 34.5 | 18.5 | -0.84 | - | 2.5  | 4.2/04.5  | 50810 |
| 2000 WP <sub>112</sub> | 2003 09 07.8 | 23 03.71 | -09 58.0 | 18.5 | -0.97 | - | 2.8  | 1.9/06.7  | 50507 |
| 2001 YB <sub>116</sub> | 2003 09 07.8 | 23 03.72 | +22 34.8 | 20.0 | -1.40 | + | 1.6  | 13.1/15.0 | 30600 |
| 2003 QW <sub>54</sub>  | 2003 09 07.8 | 23 03.79 | -13 36.9 | 17.9 | -0.77 | - | 10.4 | 3.4/05.0  | 50314 |
| 2002 EC <sub>30</sub>  | 2003 09 07.8 | 23 03.88 | -09 00.6 | 19.7 | -0.94 | - | 5.3  | 1.1/06.9  | 31977 |
| 2001 FT <sub>106</sub> | 2003 09 07.8 | 23 03.93 | -07 20.1 | 20.1 | -0.83 | - | 4.5  | 0.4/07.4  | 48024 |
| 2003 QD <sub>58</sub>  | 2003 09 07.8 | 23 03.93 | -14 06.5 | 17.9 | -0.69 | - | 11.9 | 3.2/04.7  | 50315 |
| 1998 VW <sub>4</sub>   | 2003 09 07.8 | 23 03.98 | -08 09.4 | 18.0 | -0.85 | - | 2.2  | 0.7/07.2  | 50397 |
| 2001 BP <sub>69</sub>  | 2003 09 07.8 | 23 04.02 | -07 05.0 | 19.9 | -0.95 | - | 2.8  | 0.3/07.6  | 12281 |
| 2002 JY <sub>16</sub>  | 2003 09 07.8 | 23 04.07 | -13 05.5 | 19.5 | -0.86 | - | 6.9  | 2.6/05.5  | 50607 |
| 2002 CK <sub>52</sub>  | 2003 09 07.9 | 23 04.04 | -06 28.0 | 20.1 | -0.95 | - | 5.2  | 0.2/07.8  | 30646 |
| 2000 EK <sub>29</sub>  | 2003 09 07.9 | 23 04.05 | -06 13.5 | 18.6 | -0.76 | - | 3.8  | 0.1/07.8  | 18238 |
| 1999 RA <sub>50</sub>  | 2003 09 07.9 | 23 04.06 | +01 23.8 | 18.2 | -0.78 | - | 6.5  | 3.4/10.5  | 50415 |
| 2001 AE <sub>41</sub>  | 2003 09 07.9 | 23 04.08 | -04 09.6 | 18.0 | -0.94 | - | 4.9  | 0.7/08.5  | 49883 |
| 2000 AU <sub>234</sub> | 2003 09 07.9 | 23 04.14 | -00 47.7 | 18.9 | -0.71 | - | 4.2  | 1.4/09.6  | 50455 |
| 2002 CM <sub>273</sub> | 2003 09 07.9 | 23 04.14 | -05 47.1 | 20.6 | -0.99 | - | 5.5  | 0.1/08.0  | 31973 |
| 1998 FF <sub>49</sub>  | 2003 09 07.9 | 23 04.16 | -05 01.1 | 19.6 | -0.95 | - | 5.2  | 0.3/08.2  | 50382 |
| 1999 TS <sub>32</sub>  | 2003 09 07.9 | 23 04.16 | +02 03.3 | 18.0 | -0.71 | - | 9.9  | 3.3/11.0  | 50423 |
| 1999 XG <sub>206</sub> | 2003 09 07.9 | 23 04.17 | -25 44.3 | 18.8 | -0.82 | - | 3.5  | 5.8/01.3  | 13639 |
| 1999 TG <sub>197</sub> | 2003 09 07.9 | 23 04.17 | -12 23.0 | 18.8 | -0.87 | - | 3.3  | 2.2/06.0  | 50428 |
| 2002 CU <sub>100</sub> | 2003 09 07.9 | 23 04.18 | -07 44.0 | 18.8 | -1.01 | - | 3.3  | 0.8/07.4  | 50591 |
| 2000 YW <sub>107</sub> | 2003 09 07.9 | 23 04.19 | -16 30.0 | 19.0 | -0.91 | - | 5.8  | 3.9/04.5  | 50514 |
| 2000 WW <sub>67</sub>  | 2003 09 07.9 | 23 04.19 | -25 28.8 | 18.4 | -0.99 | - | 2.3  | 6.3/02.0  | 50505 |
| 1999 TM <sub>205</sub> | 2003 09 07.9 | 23 04.27 | -06 38.6 | 18.2 | -0.85 | - | 4.3  | 0.3/07.7  | 50429 |
| 2001 FY <sub>154</sub> | 2003 09 07.9 | 23 04.29 | -00 27.6 | 19.3 | -0.81 | - | 1.9  | 1.5/09.6  | 13845 |

|                        |              |          |          |      |       |   |      |           |       |
|------------------------|--------------|----------|----------|------|-------|---|------|-----------|-------|
| 2000 WU <sub>115</sub> | 2003 09 07.9 | 23 04.33 | -00 32.7 | 18.4 | -0.98 | - | 4.3  | 2.3/09.6  | 50507 |
| 2002 FN <sub>36</sub>  | 2003 09 07.9 | 23 04.34 | -14 45.4 | 19.4 | -0.85 | - | 6.3  | 3.2/05.1  | 50045 |
| 1996 TC <sub>7</sub>   | 2003 09 07.9 | 23 04.34 | -08 44.0 | 18.4 | -0.90 | - | 3.7  | 1.4/07.1  | 49642 |
| 2003 QJ <sub>54</sub>  | 2003 09 07.9 | 23 04.35 | -17 29.3 | 18.0 | -0.60 | - | 10.4 | 6.1/03.3  | 50313 |
| 2002 CN <sub>287</sub> | 2003 09 07.9 | 23 04.36 | -11 56.3 | 19.5 | -0.95 | - | 5.5  | 2.2/06.1  | 33533 |
| 1999 XX <sub>78</sub>  | 2003 09 07.9 | 23 04.36 | +08 32.9 | 17.8 | -0.75 | - | 5.4  | 5.9/13.1  | 50443 |
| 1999 TG <sub>97</sub>  | 2003 09 07.9 | 23 04.37 | -11 41.3 | 18.3 | -0.70 | - | 11.7 | 2.3/05.7  | 50425 |
| 1999 XM <sub>122</sub> | 2003 09 07.9 | 23 04.37 | -00 56.3 | 18.3 | -0.90 | - | 2.6  | 2.1/09.4  | 49764 |
| 2002 GL <sub>125</sub> | 2003 09 07.9 | 23 04.38 | -02 59.4 | 18.2 | -0.77 | - | 7.7  | 1.4/09.0  | 50605 |
| 2001 DA <sub>22</sub>  | 2003 09 07.9 | 23 04.40 | -22 05.1 | 20.5 | -0.76 | - | 3.7  | 4.1/02.6  | 13814 |
| 1999 XQ <sub>110</sub> | 2003 09 07.9 | 23 04.41 | +05 50.9 | 19.4 | -0.85 | - | 4.6  | 4.0/11.7  | 40416 |
| 2002 EB <sub>86</sub>  | 2003 09 07.9 | 23 04.42 | -06 40.3 | 19.0 | -0.90 | - | 6.8  | 0.3/07.7  | 50029 |
| 2000 WM <sub>29</sub>  | 2003 09 07.9 | 23 04.44 | -02 21.8 | 19.2 | -0.89 | - | 6.9  | 1.2/09.2  | 8530  |
| 1999 XS <sub>213</sub> | 2003 09 07.9 | 23 04.45 | +14 16.5 | 19.4 | -0.70 | - | 4.8  | 4.9/15.2  | 31887 |
| 1999 TP <sub>249</sub> | 2003 09 07.9 | 23 04.48 | -06 01.5 | 18.5 | -1.06 | + | 0.2  | 0.0/08.0  | 49723 |
| 1999 RC <sub>31</sub>  | 2003 09 07.9 | 23 04.56 | -06 18.0 | 18.6 | -1.74 | + | 7.6  | 0.2/08.0  | 49675 |
| 1999 RC <sub>178</sub> | 2003 09 08.0 | 23 04.41 | -10 00.8 | 18.4 | -0.82 | - | 6.2  | 1.8/06.6  | 49688 |
| 1998 VP <sub>29</sub>  | 2003 09 08.0 | 23 04.45 | +03 47.4 | 18.7 | -0.74 | - | 4.2  | 3.3/11.2  | 50398 |
| 2002 GQ <sub>77</sub>  | 2003 09 08.0 | 23 04.47 | -08 54.2 | 19.8 | -0.86 | - | 8.3  | 1.1/07.0  | 48229 |
| 2003 QP <sub>68</sub>  | 2003 09 08.0 | 23 04.49 | +01 04.0 | 18.2 | -0.53 | - | 15.3 | 3.0/11.0  | 50319 |
| 2002 JM <sub>125</sub> | 2003 09 08.0 | 23 04.50 | -06 31.9 | 20.0 | -0.89 | - | 4.5  | 0.2/07.8  | 31746 |
| 1999 RQ <sub>188</sub> | 2003 09 08.0 | 23 04.53 | -10 49.0 | 18.0 | -0.86 | - | 4.7  | 2.1/06.5  | 49690 |
| 1997 GL <sub>10</sub>  | 2003 09 08.0 | 23 04.57 | -12 01.1 | 20.7 | -0.89 | - | 4.5  | 1.9/06.1  | 16753 |
| 2002 KA <sub>9</sub>   | 2003 09 08.0 | 23 04.59 | +07 15.1 | 18.9 | -0.80 | - | 7.8  | 4.4/12.8  | 50612 |
| 2000 UC <sub>37</sub>  | 2003 09 08.0 | 23 04.61 | +02 14.8 | 18.2 | -0.90 | - | 8.7  | 3.6/10.8  | 49831 |
| 2000 YJ <sub>116</sub> | 2003 09 08.0 | 23 04.63 | -05 04.6 | 17.3 | -0.94 | - | 4.0  | 0.4/08.3  | 49876 |
| 1998 KM <sub>56</sub>  | 2003 09 08.0 | 23 04.68 | -02 27.6 | 19.5 | -0.82 | - | 7.7  | 1.2/09.3  | 50387 |
| 2002 JU <sub>45</sub>  | 2003 09 08.0 | 23 04.74 | +07 15.8 | 17.2 | -0.83 | - | 7.0  | 5.7/12.6  | 50609 |
| 1999 RG <sub>234</sub> | 2003 09 08.0 | 23 04.78 | -19 33.0 | 18.4 | -0.88 | - | 5.8  | 6.3/03.3  | 49693 |
| 2001 FV <sub>101</sub> | 2003 09 08.1 | 23 04.85 | +05 16.9 | 19.6 | -0.76 | - | 3.6  | 3.0/11.8  | 50530 |
| 1996 TS <sub>39</sub>  | 2003 09 08.1 | 23 04.87 | -09 30.7 | 18.0 | -0.79 | - | 7.2  | 1.7/06.9  | 9048  |
| 2002 CO <sub>10</sub>  | 2003 09 08.1 | 23 04.87 | -29 05.4 | 18.0 | -1.69 | + | 7.6  | 12.1/04.2 | 30636 |
| 2002 JB <sub>29</sub>  | 2003 09 08.1 | 23 04.87 | +10 29.2 | 20.1 | -0.80 | - | 7.2  | 5.0/14.1  | 32018 |
| 2002 GR <sub>19</sub>  | 2003 09 08.1 | 23 04.92 | -10 56.1 | 19.3 | -0.93 | - | 4.0  | 1.8/06.6  | 50602 |
| 1992 RA <sub>3</sub>   | 2003 09 08.1 | 23 04.92 | -03 28.8 | 17.9 | -0.83 | - | 4.6  | 1.2/08.9  | 49637 |
| 1994 AC <sub>9</sub>   | 2003 09 08.1 | 23 04.93 | -07 31.9 | 19.3 | -0.72 | - | 5.2  | 0.6/07.6  | 50370 |
| 2001 FA <sub>102</sub> | 2003 09 08.1 | 23 04.95 | +05 23.3 | 19.2 | -0.80 | - | 3.0  | 3.3/11.7  | 27767 |
| 2001 DM <sub>42</sub>  | 2003 09 08.1 | 23 05.01 | -05 05.0 | 19.0 | -0.80 | - | 4.6  | 0.3/08.4  | 35017 |
| 1999 XV <sub>96</sub>  | 2003 09 08.1 | 23 05.02 | +09 30.4 | 17.9 | -0.84 | - | 3.8  | 6.1/13.1  | 49759 |
| 2000 XN <sub>13</sub>  | 2003 09 08.1 | 23 05.02 | -25 27.3 | 17.4 | -1.07 | - | 1.6  | 7.2/02.3  | 50510 |
| 2000 WU <sub>69</sub>  | 2003 09 08.1 | 23 05.07 | +00 50.8 | 18.5 | -1.01 | - | 3.9  | 2.6/10.2  | 50505 |
| 2001 EY <sub>24</sub>  | 2003 09 08.1 | 23 05.08 | -28 38.6 | 19.2 | -0.76 | - | 4.5  | 5.9/31.1  | 13277 |
| 2001 BC <sub>56</sub>  | 2003 09 08.1 | 23 05.11 | -10 30.4 | 19.1 | -0.84 | - | 5.3  | 1.6/06.7  | 35002 |
| 2002 JT <sub>54</sub>  | 2003 09 08.1 | 23 05.15 | -25 29.0 | 19.7 | -0.98 | - | 2.7  | 6.3/02.2  | 32022 |
| 2002 EY <sub>40</sub>  | 2003 09 08.1 | 23 05.21 | -30 13.2 | 18.5 | -1.18 | + | 3.1  | 8.1/02.7  | 30708 |
| 2003 QP <sub>18</sub>  | 2003 09 08.2 | 23 05.12 | -10 01.1 | 18.9 | -0.75 | - | 4.5  | 1.5/06.8  | 50297 |
| 2003 NJ <sub>3</sub>   | 2003 09 08.2 | 23 05.15 | +30 50.9 | 18.3 | -0.82 | - | 1.6  | 11.1/22.2 | 50238 |
| 2000 WB <sub>19</sub>  | 2003 09 08.2 | 23 05.22 | -21 51.4 | 19.1 | -0.99 | - | 5.3  | 7.0/02.9  | 8539  |
| 2001 HB <sub>33</sub>  | 2003 09 08.2 | 23 05.24 | +06 25.6 | 20.1 | -0.67 | - | 5.3  | 3.1/12.6  | 13452 |
| 2001 EP <sub>15</sub>  | 2003 09 08.2 | 23 05.24 | -41 29.6 | 19.3 | -1.44 | + | 2.6  | 12.1/29.0 | 48015 |
| 2003 MV <sub>11</sub>  | 2003 09 08.2 | 23 05.26 | -14 08.8 | 17.4 | -0.76 | - | 8.7  | 4.0/05.2  | 50234 |

|                        |              |          |          |      |       |   |      |           |       |
|------------------------|--------------|----------|----------|------|-------|---|------|-----------|-------|
| 2001 AA <sub>44</sub>  | 2003 09 08.2 | 23 05.27 | -03 33.8 | 18.0 | -1.28 | + | 1.5  | 0.8/08.7  | 49884 |
| 2003 QC <sub>73</sub>  | 2003 09 08.2 | 23 05.28 | +04 26.4 | 17.5 | -0.60 | - | 12.1 | 3.7/12.5  | 50320 |
| 2000 UK <sub>70</sub>  | 2003 09 08.2 | 23 05.34 | -06 10.6 | 18.4 | -1.00 | - | 4.3  | 0.1/08.2  | 50500 |
| 1999 TN <sub>220</sub> | 2003 09 08.2 | 23 05.35 | -06 55.4 | 18.0 | -1.03 | - | 0.3  | 0.4/08.0  | 50429 |
| 2002 JR <sub>124</sub> | 2003 09 08.2 | 23 05.40 | -06 40.9 | 19.6 | -0.76 | - | 8.0  | 0.3/08.0  | 34006 |
| 2001 DC <sub>91</sub>  | 2003 09 08.2 | 23 05.48 | +13 28.8 | 19.2 | -0.81 | - | 4.5  | 5.8/14.9  | 50525 |
| 2000 AZ <sub>202</sub> | 2003 09 08.2 | 23 05.49 | +11 28.6 | 20.1 | -0.70 | - | 5.1  | 4.6/14.3  | 47845 |
| 2001 FP <sub>79</sub>  | 2003 09 08.2 | 23 05.50 | +13 07.8 | 19.7 | -0.68 | - | 6.4  | 5.0/15.4  | 17581 |
| 2000 YW <sub>108</sub> | 2003 09 08.2 | 23 05.50 | -09 56.6 | 19.1 | -0.86 | - | 5.0  | 1.3/07.0  | 50514 |
| 2001 BO <sub>67</sub>  | 2003 09 08.2 | 23 05.51 | -04 37.8 | 19.9 | -0.88 | - | 3.1  | 0.4/08.6  | 12281 |
| 2001 CZ <sub>5</sub>   | 2003 09 08.2 | 23 05.52 | -14 20.0 | 18.3 | -0.87 | - | 7.9  | 3.6/05.3  | 49896 |
| 2003 QY <sub>22</sub>  | 2003 09 08.2 | 23 05.53 | +03 39.9 | 18.0 | -0.82 | - | 2.2  | 3.3/11.2  | 50300 |
| 1999 RE <sub>22</sub>  | 2003 09 08.3 | 23 05.49 | -07 22.7 | 19.0 | -0.82 | - | 7.4  | 0.6/07.8  | 50414 |
| 1999 UA <sub>36</sub>  | 2003 09 08.3 | 23 05.51 | -10 52.9 | 20.1 | -0.95 | - | 3.0  | 1.7/06.8  | 29157 |
| 1998 FW <sub>57</sub>  | 2003 09 08.3 | 23 05.52 | -03 14.4 | 19.6 | -0.90 | - | 5.5  | 0.9/09.1  | 50383 |
| 1999 TY <sub>165</sub> | 2003 09 08.3 | 23 05.56 | +00 47.1 | 19.3 | -0.82 | - | 4.4  | 3.0/10.4  | 49714 |
| 2003 MH <sub>10</sub>  | 2003 09 08.3 | 23 05.56 | -03 37.5 | 17.3 | -0.59 | - | 17.7 | 0.8/09.3  | 50233 |
| 1993 FD <sub>14</sub>  | 2003 09 08.3 | 23 05.57 | -04 50.0 | 19.0 | -0.79 | - | 9.2  | 0.3/08.7  | 12841 |
| 2000 XT <sub>10</sub>  | 2003 09 08.3 | 23 05.59 | -02 06.7 | 18.2 | -0.99 | - | 3.6  | 1.5/09.4  | 50509 |
| 1999 RF <sub>86</sub>  | 2003 09 08.3 | 23 05.71 | -11 54.4 | 18.4 | -0.79 | - | 8.6  | 2.7/06.1  | 49679 |
| 1996 XX <sub>29</sub>  | 2003 09 08.3 | 23 05.76 | -10 01.8 | 20.1 | -0.92 | - | 5.7  | 1.5/07.0  | 9686  |
| 1999 TG <sub>284</sub> | 2003 09 08.3 | 23 05.76 | -02 46.8 | 19.3 | -0.76 | - | 7.8  | 1.0/09.4  | 50431 |
| 2000 WC <sub>59</sub>  | 2003 09 08.3 | 23 05.77 | +07 45.3 | 19.8 | -0.89 | - | 5.4  | 4.5/12.8  | 31924 |
| 2002 FA <sub>26</sub>  | 2003 09 08.3 | 23 05.79 | -25 22.5 | 19.7 | -0.89 | - | 6.0  | 6.3/01.8  | 31988 |
| 2000 SA <sub>367</sub> | 2003 09 08.3 | 23 05.87 | -20 37.4 | 18.6 | -1.02 | - | 3.6  | 7.1/04.0  | 50496 |
| 2002 CX <sub>11</sub>  | 2003 09 08.3 | 23 05.90 | -04 52.5 | 21.9 | -0.80 | - | 7.7  | 0.2/08.7  | 50590 |
| 1999 VF <sub>115</sub> | 2003 09 08.3 | 23 05.92 | -09 30.2 | 19.0 | -1.02 | - | 0.6  | 1.3/07.4  | 50437 |
| 2002 CX <sub>6</sub>   | 2003 09 08.3 | 23 05.96 | -54 09.0 | 19.2 | -1.74 | + | 5.2  | 22.9/22.6 | 48197 |
| 2002 ED <sub>86</sub>  | 2003 09 08.4 | 23 05.85 | -09 51.9 | 20.1 | -0.92 | - | 5.7  | 1.5/07.1  | 31980 |
| 1999 VH <sub>62</sub>  | 2003 09 08.4 | 23 05.88 | -00 05.6 | 18.7 | -0.80 | - | 5.7  | 1.9/10.3  | 50435 |
| 2002 ES <sub>42</sub>  | 2003 09 08.4 | 23 05.92 | -04 54.9 | 19.6 | -0.90 | - | 6.7  | 0.3/08.7  | 30708 |
| 2001 BY <sub>74</sub>  | 2003 09 08.4 | 23 05.94 | -15 10.3 | 19.4 | -0.82 | - | 5.8  | 2.9/05.3  | 50520 |
| 1995 VT <sub>11</sub>  | 2003 09 08.4 | 23 05.96 | -10 02.0 | 19.0 | -0.72 | - | 7.0  | 2.0/06.9  | 49640 |
| 1996 EE <sub>8</sub>   | 2003 09 08.4 | 23 06.02 | -10 23.1 | 18.6 | -0.91 | - | 0.9  | 1.6/07.2  | 50375 |
| 2003 QQ <sub>22</sub>  | 2003 09 08.4 | 23 06.05 | +00 14.7 | 18.0 | -0.72 | - | 5.2  | 1.8/10.5  | 50299 |
| 2001 FN <sub>18</sub>  | 2003 09 08.4 | 23 06.08 | +03 40.3 | 19.3 | -0.71 | - | 7.0  | 2.8/11.8  | 49910 |
| 2001 CV <sub>24</sub>  | 2003 09 08.4 | 23 06.08 | -08 30.7 | 19.8 | -0.80 | - | 5.3  | 0.9/07.6  | 50521 |
| 1999 TS <sub>114</sub> | 2003 09 08.4 | 23 06.09 | +00 18.9 | 18.5 | -0.77 | - | 7.0  | 2.5/10.6  | 50425 |
| 1997 CH <sub>22</sub>  | 2003 09 08.4 | 23 06.11 | -04 08.0 | 20.7 | -0.87 | - | 4.5  | 0.5/09.0  | 13550 |
| 1999 KS <sub>11</sub>  | 2003 09 08.4 | 23 06.12 | -14 24.0 | 18.8 | -1.00 | - | 4.7  | 3.5/05.9  | 50411 |
| 2002 GU <sub>168</sub> | 2003 09 08.4 | 23 06.12 | -09 58.8 | 18.7 | -1.00 | - | 1.7  | 1.6/07.3  | 50605 |
| 1998 EO <sub>14</sub>  | 2003 09 08.4 | 23 06.14 | -11 13.5 | 19.2 | -0.92 | - | 5.8  | 1.9/06.7  | 50382 |
| 2000 TU <sub>17</sub>  | 2003 09 08.4 | 23 06.15 | -09 21.3 | 19.6 | -1.03 | - | 4.3  | 1.5/07.4  | 31340 |
| 2002 EW <sub>69</sub>  | 2003 09 08.4 | 23 06.16 | -01 42.3 | 19.8 | -0.85 | - | 8.6  | 1.6/09.9  | 50026 |
| 2000 SB <sub>87</sub>  | 2003 09 08.4 | 23 06.18 | -20 38.1 | 19.2 | -1.03 | - | 5.3  | 6.0/03.7  | 50489 |
| 1999 VE <sub>93</sub>  | 2003 09 08.4 | 23 06.22 | -09 08.7 | 20.5 | -0.91 | - | 4.5  | 1.2/07.4  | 47822 |
| 2000 RY <sub>48</sub>  | 2003 09 08.5 | 23 06.24 | +04 49.4 | 17.8 | -1.01 | - | 3.7  | 4.4/11.7  | 50486 |
| 2000 CQ <sub>76</sub>  | 2003 09 08.5 | 23 06.38 | -08 34.2 | 19.4 | -0.74 | - | 4.4  | 0.8/07.6  | 47851 |
| 2001 FS <sub>12</sub>  | 2003 09 08.5 | 23 06.39 | -17 54.9 | 18.7 | -0.85 | - | 2.2  | 3.7/04.8  | 50527 |
| 2002 LC <sub>28</sub>  | 2003 09 08.5 | 23 06.40 | -20 58.0 | 18.0 | -0.74 | - | 6.1  | 5.0/03.1  | 50613 |
| 1994 GF <sub>3</sub>   | 2003 09 08.5 | 23 06.41 | -07 55.2 | 20.1 | -0.97 | - | 5.2  | 0.8/07.9  | 47691 |

|                        |              |          |          |      |       |   |     |           |       |
|------------------------|--------------|----------|----------|------|-------|---|-----|-----------|-------|
| 2000 AG <sub>51</sub>  | 2003 09 08.5 | 23 06.42 | +06 30.6 | 18.9 | -0.77 | - | 3.3 | 3.7/12.5  | 50451 |
| 1999 RF <sub>109</sub> | 2003 09 08.5 | 23 06.53 | +08 45.9 | 18.4 | -0.93 | - | 3.2 | 5.6/13.1  | 50417 |
| 2002 GJ <sub>67</sub>  | 2003 09 08.5 | 23 06.53 | -17 45.7 | 20.1 | -0.89 | - | 3.0 | 4.4/04.9  | 50603 |
| 2002 JU <sub>129</sub> | 2003 09 08.5 | 23 06.54 | -16 22.8 | 18.7 | -0.77 | - | 6.6 | 3.9/04.9  | 50089 |
| 1996 XM <sub>6</sub>   | 2003 09 08.5 | 23 06.56 | -22 19.5 | 16.5 | -0.60 | - | 6.3 | 9.1/01.8  | 9051  |
| 2001 CS <sub>31</sub>  | 2003 09 08.6 | 23 06.56 | -42 47.4 | 19.4 | -0.89 | - | 3.3 | 8.8/25.7  | 12289 |
| 1999 VU <sub>40</sub>  | 2003 09 08.6 | 23 06.65 | -02 16.6 | 19.6 | -0.83 | - | 5.3 | 1.4/09.7  | 49741 |
| 2002 JL <sub>62</sub>  | 2003 09 08.6 | 23 06.65 | +02 39.8 | 19.0 | -0.69 | - | 7.9 | 2.8/11.7  | 50609 |
| 2003 QA <sub>26</sub>  | 2003 09 08.6 | 23 06.66 | -01 04.7 | 19.0 | -0.97 | - | 2.4 | 2.1/09.9  | 50302 |
| 2002 JZ <sub>61</sub>  | 2003 09 08.6 | 23 06.67 | -00 05.9 | 19.2 | -0.82 | - | 7.4 | 1.8/10.6  | 32023 |
| 2000 UP <sub>27</sub>  | 2003 09 08.6 | 23 06.67 | -13 30.9 | 17.6 | -0.81 | - | 9.4 | 3.7/05.8  | 50498 |
| 2002 FT <sub>8</sub>   | 2003 09 08.6 | 23 06.71 | +03 12.4 | 17.3 | -0.95 | - | 3.4 | 4.0/11.3  | 50600 |
| 1994 PZ <sub>32</sub>  | 2003 09 08.6 | 23 06.72 | +02 27.6 | 18.2 | -0.91 | - | 3.4 | 2.8/11.1  | 50370 |
| 2002 JU <sub>58</sub>  | 2003 09 08.6 | 23 06.72 | +10 26.7 | 18.4 | -0.76 | - | 4.7 | 5.3/14.2  | 50609 |
| 1999 NC <sub>56</sub>  | 2003 09 08.6 | 23 06.76 | +16 59.8 | 17.5 | -0.69 | - | 9.4 | 9.7/18.1  | 49668 |
| 4702 T-3               | 2003 09 08.6 | 23 06.76 | +01 16.8 | 19.7 | -0.68 | - | 8.2 | 2.1/11.2  | 50813 |
| 2000 DO <sub>95</sub>  | 2003 09 08.6 | 23 06.76 | -10 43.1 | 19.3 | -0.73 | - | 4.5 | 1.5/07.0  | 50463 |
| 1999 XJ <sub>217</sub> | 2003 09 08.6 | 23 06.79 | -05 38.7 | 17.7 | -0.82 | - | 5.0 | 0.0/08.7  | 50447 |
| 2003 QA <sub>36</sub>  | 2003 09 08.6 | 23 06.81 | -01 38.4 | 17.7 | -0.99 | + | 0.6 | 1.7/09.7  | 50306 |
| 1999 RL <sub>34</sub>  | 2003 09 08.6 | 23 06.81 | +01 27.0 | 17.5 | -0.78 | - | 8.5 | 2.3/11.0  | 50415 |
| 1998 TT <sub>12</sub>  | 2003 09 08.6 | 23 06.82 | -06 01.8 | 18.6 | -0.75 | - | 4.7 | 0.1/08.5  | 50396 |
| 2002 HQ <sub>6</sub>   | 2003 09 08.6 | 23 06.82 | +17 13.2 | 18.3 | -0.69 | - | 7.2 | 8.0/17.9  | 50072 |
| 2000 YD <sub>128</sub> | 2003 09 08.6 | 23 06.84 | -10 30.7 | 17.8 | -0.91 | - | 3.9 | 2.3/07.2  | 50515 |
| 1999 RQ <sub>240</sub> | 2003 09 08.6 | 23 06.87 | -30 56.1 | 18.8 | -1.06 | - | 3.2 | 9.0/31.1  | 50421 |
| 2003 QW <sub>1</sub>   | 2003 09 08.6 | 23 06.90 | -03 54.0 | 18.9 | -0.78 | - | 5.0 | 0.6/09.3  | 50291 |
| 2003 QX <sub>22</sub>  | 2003 09 08.7 | 23 06.91 | +01 32.5 | 17.9 | -0.76 | - | 7.2 | 3.5/11.0  | 50300 |
| 2000 WN <sub>139</sub> | 2003 09 08.7 | 23 06.93 | -10 23.3 | 20.3 | -0.92 | - | 6.4 | 1.7/07.2  | 47992 |
| 2001 DW <sub>5</sub>   | 2003 09 08.7 | 23 06.96 | -18 34.3 | 19.7 | -0.87 | - | 2.3 | 4.2/04.8  | 50523 |
| 2002 GD <sub>84</sub>  | 2003 09 08.7 | 23 06.96 | -10 46.8 | 18.2 | -0.88 | - | 8.4 | 2.0/07.0  | 50603 |
| 2002 GK <sub>161</sub> | 2003 09 08.7 | 23 06.97 | -14 49.8 | 20.6 | -0.86 | - | 5.2 | 3.1/05.7  | 48231 |
| 2002 AB <sub>19</sub>  | 2003 09 08.7 | 23 06.98 | +00 37.0 | 16.5 | -1.67 | + | 9.9 | 3.5/09.5  | 49953 |
| 2000 XV <sub>9</sub>   | 2003 09 08.7 | 23 06.99 | -26 56.6 | 18.3 | -1.04 | - | 2.5 | 7.4/02.1  | 49856 |
| 1999 JQ <sub>119</sub> | 2003 09 08.7 | 23 07.02 | -21 02.0 | 18.4 | -1.01 | - | 4.5 | 6.3/04.0  | 30299 |
| 2000 XO <sub>12</sub>  | 2003 09 08.7 | 23 07.08 | -03 29.8 | 17.9 | -1.01 | - | 1.7 | 0.8/09.3  | 50509 |
| 1999 TH <sub>210</sub> | 2003 09 08.7 | 23 07.09 | +05 23.0 | 16.6 | -0.97 | + | 3.6 | 5.5/11.3  | 50429 |
| 2000 QZ <sub>145</sub> | 2003 09 08.7 | 23 07.09 | -13 59.0 | 19.8 | -1.05 | - | 6.3 | 3.6/06.1  | 50483 |
| 2000 YO <sub>103</sub> | 2003 09 08.7 | 23 07.11 | +40 35.5 | 19.2 | -1.32 | + | 7.5 | 21.0/19.1 | 9908  |
| 2000 YK <sub>115</sub> | 2003 09 08.7 | 23 07.12 | -07 38.8 | 18.5 | -0.90 | - | 4.6 | 0.9/08.1  | 50515 |
| 1981 EW <sub>15</sub>  | 2003 09 08.7 | 23 07.12 | -04 55.3 | 19.6 | -0.83 | - | 3.0 | 0.2/09.0  | 962   |
| 2002 JJ <sub>10</sub>  | 2003 09 08.7 | 23 07.15 | -25 01.8 | 21.0 | -0.92 | - | 4.9 | 6.2/02.4  | 31623 |
| 2002 EQ <sub>23</sub>  | 2003 09 08.7 | 23 07.26 | -07 17.9 | 18.9 | -1.01 | - | 2.6 | 0.7/08.3  | 50018 |
| 2000 VE <sub>26</sub>  | 2003 09 08.7 | 23 07.26 | +03 51.5 | 19.3 | -0.91 | - | 6.7 | 3.7/11.9  | 50502 |
| 1999 XJ <sub>213</sub> | 2003 09 08.7 | 23 07.30 | -13 41.0 | 19.1 | -0.81 | - | 7.9 | 2.6/05.9  | 1558  |
| 1999 DD <sub>2</sub>   | 2003 09 08.7 | 23 07.30 | -01 07.5 | 18.8 | -1.10 | - | 2.3 | 2.2/10.0  | 50405 |
| 2002 JW <sub>46</sub>  | 2003 09 08.7 | 23 07.32 | +04 23.6 | 19.5 | -0.91 | - | 5.2 | 3.4/12.0  | 31670 |
| 2002 GX <sub>21</sub>  | 2003 09 08.8 | 23 07.41 | -21 18.1 | 19.9 | -0.93 | - | 2.6 | 5.1/04.1  | 31993 |
| 1997 EP <sub>39</sub>  | 2003 09 08.8 | 23 07.44 | -00 23.0 | 18.6 | -0.93 | - | 2.9 | 1.9/10.4  | 50377 |
| 1999 JN <sub>54</sub>  | 2003 09 08.8 | 23 07.54 | -11 33.7 | 17.6 | -1.03 | - | 3.3 | 2.6/07.2  | 50409 |
| 2002 EA <sub>104</sub> | 2003 09 08.8 | 23 07.57 | -18 32.7 | 19.1 | -0.86 | - | 6.7 | 4.6/04.5  | 50599 |
| 2000 YL <sub>54</sub>  | 2003 09 08.8 | 23 07.58 | -04 07.4 | 20.3 | -0.85 | - | 4.7 | 0.5/09.3  | 50513 |
| 2003 QO <sub>1</sub>   | 2003 09 08.8 | 23 07.58 | -01 09.6 | 18.8 | -0.81 | - | 5.9 | 1.9/10.4  | 50290 |

## M.P.C. 49700

2003 SEPT. 10

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1998 BO <sub>26</sub>  | 2003 09 08.8 | 23 07.60 | -03 19.2 | 21.8 | -0.91 | - 4.9 | 0.6/09.6  | 35704 |
| 1998 XY <sub>9</sub>   | 2003 09 08.8 | 23 07.60 | -09 46.7 | 18.6 | -0.75 | - 4.8 | 1.5/07.5  | 50400 |
| 2001 DS <sub>72</sub>  | 2003 09 08.8 | 23 07.60 | -05 42.5 | 20.4 | -0.68 | - 5.8 | 0.0/08.8  | 12302 |
| 2002 EV <sub>150</sub> | 2003 09 08.8 | 23 07.66 | -14 30.8 | 18.6 | -1.02 | - 1.4 | 3.8/06.5  | 50039 |
| 1999 YV <sub>27</sub>  | 2003 09 08.8 | 23 07.68 | -30 32.1 | 19.5 | -0.90 | - 1.9 | 7.5/31.7  | 47838 |
| 2002 EN <sub>141</sub> | 2003 09 08.8 | 23 07.71 | -09 36.2 | 19.1 | -0.90 | - 6.1 | 1.6/07.6  | 50599 |
| 2000 WP <sub>25</sub>  | 2003 09 08.8 | 23 07.72 | -00 56.6 | 18.2 | -0.90 | - 4.5 | 2.3/10.3  | 49844 |
| 1996 TG <sub>18</sub>  | 2003 09 08.9 | 23 07.69 | -13 17.6 | 19.4 | -1.00 | - 2.9 | 3.3/06.7  | 49643 |
| 2000 VA <sub>62</sub>  | 2003 09 08.9 | 23 07.71 | -24 23.0 | 17.6 | -1.90 | +12.4 | 9.5/06.9  | 49841 |
| 2000 EZ <sub>117</sub> | 2003 09 08.9 | 23 07.75 | -18 51.6 | 18.5 | -1.07 | + 1.1 | 4.3/05.5  | 31904 |
| 1998 FV <sub>2</sub>   | 2003 09 08.9 | 23 07.76 | +02 29.5 | 21.0 | -0.88 | - 6.7 | 2.9/11.6  | 47725 |
| 2001 DD <sub>93</sub>  | 2003 09 08.9 | 23 07.77 | -01 21.4 | 19.6 | -0.76 | - 8.0 | 1.3/10.4  | 50525 |
| 1999 US <sub>42</sub>  | 2003 09 08.9 | 23 07.80 | +12 30.0 | 19.1 | -0.83 | - 5.2 | 6.0/15.0  | 50432 |
| 4766 P-L               | 2003 09 08.9 | 23 07.83 | -02 00.5 | 19.3 | -0.71 | - 5.8 | 1.1/10.2  | 50810 |
| 1999 RM <sub>232</sub> | 2003 09 08.9 | 23 07.90 | -36 05.6 | 17.1 | -0.91 | + 5.0 | 16.2/31.6 | 18211 |
| 2001 FT <sub>96</sub>  | 2003 09 08.9 | 23 07.90 | -15 21.8 | 19.6 | -0.89 | - 6.3 | 3.3/05.7  | 50530 |
| 2000 XF <sub>2</sub>   | 2003 09 08.9 | 23 07.93 | +00 00.3 | 18.8 | -0.84 | - 5.1 | 1.7/10.8  | 9887  |
| 2002 GY <sub>7</sub>   | 2003 09 08.9 | 23 07.93 | -01 36.2 | 19.5 | -0.77 | - 9.3 | 1.2/10.4  | 30735 |
| 2002 CZ <sub>241</sub> | 2003 09 08.9 | 23 07.93 | -01 23.0 | 18.7 | -0.90 | - 8.0 | 1.6/10.4  | 50594 |
| 2000 WZ <sub>87</sub>  | 2003 09 08.9 | 23 07.95 | +03 33.2 | 18.1 | -0.99 | - 3.3 | 3.3/11.6  | 49849 |
| 1999 TX <sub>278</sub> | 2003 09 08.9 | 23 07.97 | -31 27.7 | 18.9 | -0.95 | - 1.9 | 8.1/31.5  | 17061 |
| 1998 VD <sub>43</sub>  | 2003 09 08.9 | 23 07.98 | -08 59.0 | 19.0 | -0.75 | - 4.5 | 1.2/07.9  | 47756 |
| 1999 XD <sub>124</sub> | 2003 09 09.0 | 23 08.00 | -05 32.2 | 18.8 | -0.88 | - 1.0 | 0.0/09.0  | 49764 |
| 1999 VM <sub>51</sub>  | 2003 09 09.0 | 23 08.00 | -17 04.1 | 20.1 | -0.96 | - 2.9 | 4.1/05.5  | 49742 |
| 2002 EX <sub>85</sub>  | 2003 09 09.0 | 23 08.02 | -10 38.4 | 19.6 | -0.92 | - 5.8 | 1.8/07.4  | 30717 |
| 2002 JS <sub>18</sub>  | 2003 09 09.0 | 23 08.02 | -26 49.3 | 18.8 | -0.86 | - 2.7 | 6.8/02.2  | 50076 |
| 2001 CB <sub>17</sub>  | 2003 09 09.0 | 23 08.06 | -14 38.4 | 18.1 | -0.86 | - 5.9 | 3.4/06.0  | 50521 |
| 2002 GM <sub>113</sub> | 2003 09 09.0 | 23 08.13 | -10 55.5 | 19.5 | -0.88 | - 6.8 | 1.9/07.3  | 33986 |
| 2001 HC <sub>23</sub>  | 2003 09 09.0 | 23 08.16 | -23 30.4 | 19.7 | -0.90 | - 1.9 | 5.4/03.5  | 13438 |
| 1998 SJ <sub>153</sub> | 2003 09 09.0 | 23 08.24 | -05 30.0 | 18.0 | -0.71 | - 5.9 | 0.0/09.1  | 50395 |
| 1999 VZ <sub>91</sub>  | 2003 09 09.0 | 23 08.26 | -20 34.5 | 18.7 | -1.02 | - 1.2 | 5.1/04.8  | 50436 |
| 2000 YL <sub>123</sub> | 2003 09 09.0 | 23 08.29 | -03 02.3 | 18.4 | -0.94 | - 5.5 | 1.0/09.8  | 50515 |
| 2000 WG <sub>11</sub>  | 2003 09 09.0 | 23 08.29 | -10 37.7 | 20.6 | -0.94 | - 5.4 | 1.7/07.5  | 34972 |
| 1998 SB <sub>12</sub>  | 2003 09 09.0 | 23 08.32 | -02 33.9 | 19.0 | -0.74 | - 5.9 | 1.1/10.1  | 49654 |
| 2000 YX <sub>132</sub> | 2003 09 09.0 | 23 08.37 | -08 54.7 | 19.0 | -0.91 | - 5.2 | 1.4/08.0  | 50515 |
| 2002 KA <sub>13</sub>  | 2003 09 09.0 | 23 08.38 | -04 49.1 | 19.6 | -0.79 | - 4.6 | 0.2/09.3  | 50612 |
| 2002 JB <sub>65</sub>  | 2003 09 09.0 | 23 08.39 | +04 43.5 | 18.9 | -0.72 | - 6.7 | 3.1/12.8  | 50609 |
| 1999 VH <sub>4</sub>   | 2003 09 09.0 | 23 08.41 | -29 03.0 | 18.8 | -1.06 | - 1.1 | 8.7/01.9  | 40388 |
| 2001 CO <sub>23</sub>  | 2003 09 09.0 | 23 08.42 | -11 11.1 | 19.2 | -0.88 | - 7.5 | 2.2/07.2  | 17545 |
| 2000 YR <sub>110</sub> | 2003 09 09.0 | 23 08.45 | -12 23.2 | 18.1 | -0.95 | - 5.5 | 2.8/06.9  | 50514 |
| 2001 AC <sub>35</sub>  | 2003 09 09.1 | 23 08.39 | -08 11.3 | 18.4 | -0.95 | - 4.1 | 0.9/08.3  | 49882 |
| 2000 WQ <sub>59</sub>  | 2003 09 09.1 | 23 08.41 | -10 18.6 | 19.6 | -0.93 | - 6.6 | 1.8/07.6  | 50505 |
| 1999 RR <sub>138</sub> | 2003 09 09.1 | 23 08.43 | +12 21.8 | 18.5 | -1.06 | + 0.9 | 7.4/13.7  | 50418 |
| 2000 WA <sub>58</sub>  | 2003 09 09.1 | 23 08.48 | -00 28.4 | 18.1 | -0.92 | - 6.7 | 2.1/10.8  | 50505 |
| 2002 GC <sub>113</sub> | 2003 09 09.1 | 23 08.49 | -21 30.2 | 18.0 | -0.76 | - 4.7 | 6.0/03.7  | 50063 |
| 1999 VR <sub>43</sub>  | 2003 09 09.1 | 23 08.49 | -08 00.8 | 18.9 | -0.89 | - 4.3 | 0.9/08.4  | 50434 |
| 2000 DU <sub>98</sub>  | 2003 09 09.1 | 23 08.50 | -14 46.8 | 17.8 | -0.74 | - 5.1 | 3.0/06.0  | 50463 |
| 2002 EM <sub>95</sub>  | 2003 09 09.1 | 23 08.50 | -10 57.7 | 19.8 | -0.98 | - 5.1 | 2.2/07.5  | 50033 |
| 2001 BA <sub>27</sub>  | 2003 09 09.1 | 23 08.52 | -10 20.5 | 20.4 | -0.74 | - 5.9 | 1.3/07.5  | 48006 |
| 2002 EK <sub>92</sub>  | 2003 09 09.1 | 23 08.56 | -00 27.8 | 18.6 | -0.91 | - 5.8 | 1.9/11.0  | 50598 |
| 2002 CJ <sub>115</sub> | 2003 09 09.1 | 23 08.57 | +11 03.4 | 19.7 | -1.29 | + 0.7 | 6.2/13.3  | 30661 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2002 EV <sub>27</sub>  | 2003 09 09.1 | 23 08.64 | -05 09.0 | 20.4 | -0.91 | - 6.4 | 0.1/09.3  | 48217 |
| 2002 CR <sub>103</sub> | 2003 09 09.1 | 23 08.70 | -09 32.7 | 20.4 | -0.90 | - 6.6 | 1.5/07.9  | 48203 |
| 2002 LE <sub>14</sub>  | 2003 09 09.1 | 23 08.71 | +08 14.8 | 18.3 | -0.83 | - 3.9 | 4.5/13.7  | 50612 |
| 1998 KP <sub>31</sub>  | 2003 09 09.1 | 23 08.77 | -12 58.3 | 18.8 | -0.86 | - 6.0 | 2.5/06.7  | 50386 |
| 1999 RA <sub>178</sub> | 2003 09 09.2 | 23 08.72 | -07 06.1 | 17.1 | -0.68 | -12.7 | 0.7/08.6  | 50419 |
| 1999 RL <sub>170</sub> | 2003 09 09.2 | 23 08.75 | -06 57.4 | 18.6 | -0.99 | - 2.3 | 0.5/08.8  | 50419 |
| 1999 TV <sub>144</sub> | 2003 09 09.2 | 23 08.81 | -00 05.6 | 18.6 | -0.82 | - 4.5 | 2.4/11.0  | 49711 |
| 2002 GD <sub>149</sub> | 2003 09 09.2 | 23 08.83 | +01 37.8 | 20.4 | -0.75 | -10.1 | 2.5/11.9  | 50067 |
| 2002 JU <sub>144</sub> | 2003 09 09.2 | 23 08.83 | -06 27.1 | 19.2 | -0.76 | - 9.6 | 0.3/08.9  | 50090 |
| 2710 P-L               | 2003 09 09.2 | 23 08.84 | -14 12.8 | 19.8 | -0.80 | - 3.1 | 2.4/06.5  | 50809 |
| 2002 AU <sub>128</sub> | 2003 09 09.2 | 23 08.86 | +19 59.6 | 18.1 | -1.68 | + 9.2 | 13.7/13.3 | 49960 |
| 2002 JD <sub>20</sub>  | 2003 09 09.2 | 23 08.87 | -16 44.3 | 19.0 | -0.84 | - 7.4 | 3.9/05.3  | 32016 |
| 1999 TF <sub>216</sub> | 2003 09 09.2 | 23 08.88 | -13 12.5 | 19.3 | -0.90 | - 4.8 | 3.0/06.8  | 49721 |
| 1998 TN <sub>32</sub>  | 2003 09 09.2 | 23 08.88 | +09 37.5 | 19.3 | -0.70 | - 6.7 | 5.1/14.7  | 50396 |
| 1999 VY <sub>148</sub> | 2003 09 09.2 | 23 08.89 | -11 39.7 | 19.5 | -0.80 | - 5.4 | 2.2/07.2  | 50438 |
| 2000 YV <sub>69</sub>  | 2003 09 09.2 | 23 08.96 | -12 14.5 | 20.3 | -0.95 | - 6.6 | 2.5/07.0  | 48000 |
| 2001 FP <sub>2</sub>   | 2003 09 09.2 | 23 08.97 | -10 15.3 | 19.0 | -0.81 | - 4.7 | 1.7/07.7  | 50527 |
| 2001 BX <sub>60</sub>  | 2003 09 09.2 | 23 09.02 | -04 54.4 | 19.0 | -0.85 | - 6.7 | 0.2/09.5  | 50519 |
| 2002 GZ <sub>94</sub>  | 2003 09 09.2 | 23 09.06 | +03 07.9 | 20.0 | -0.88 | - 7.2 | 3.2/12.2  | 31566 |
| 1999 TB <sub>246</sub> | 2003 09 09.2 | 23 09.09 | -04 01.1 | 18.9 | -0.79 | - 8.0 | 0.5/09.8  | 50430 |
| 1999 VO <sub>18</sub>  | 2003 09 09.2 | 23 09.14 | -03 33.2 | 18.7 | -0.84 | - 4.8 | 0.7/09.9  | 50433 |
| 2000 WQ <sub>22</sub>  | 2003 09 09.2 | 23 09.16 | -16 07.2 | 19.3 | -0.97 | - 7.3 | 3.9/05.7  | 50504 |
| 2002 JK <sub>102</sub> | 2003 09 09.3 | 23 09.16 | -05 05.5 | 18.6 | -0.76 | - 5.5 | 0.1/09.4  | 50610 |
| 2003 QJ <sub>55</sub>  | 2003 09 09.3 | 23 09.17 | -14 08.7 | 18.3 | -0.78 | - 7.0 | 3.1/06.3  | 50314 |
| 2001 AS <sub>3</sub>   | 2003 09 09.3 | 23 09.20 | -17 21.7 | 19.8 | -0.81 | - 7.6 | 3.8/05.1  | 48003 |
| 2000 XF <sub>47</sub>  | 2003 09 09.3 | 23 09.22 | -23 25.5 | 17.7 | -1.52 | + 2.6 | 7.6/05.3  | 13800 |
| 2002 JV <sub>41</sub>  | 2003 09 09.3 | 23 09.28 | -19 22.5 | 19.4 | -0.97 | - 1.6 | 5.1/05.4  | 31664 |
| 2002 ET <sub>72</sub>  | 2003 09 09.3 | 23 09.29 | -00 46.1 | 18.6 | -0.83 | - 8.8 | 1.8/11.0  | 50597 |
| 4736 P-L               | 2003 09 09.3 | 23 09.33 | -13 14.0 | 19.6 | -0.85 | - 2.0 | 2.5/07.0  | 50810 |
| 2000 DZ <sub>94</sub>  | 2003 09 09.3 | 23 09.35 | -11 52.0 | 19.3 | -0.67 | - 4.5 | 1.6/07.2  | 14400 |
| 2001 AU                | 2003 09 09.3 | 23 09.36 | -05 17.4 | 19.1 | -0.82 | - 4.0 | 0.0/09.4  | 50516 |
| 1998 HP <sub>7</sub>   | 2003 09 09.3 | 23 09.37 | -38 58.6 | 20.9 | -1.11 | - 3.6 | 9.4/28.5  | 9073  |
| 1999 RG <sub>20</sub>  | 2003 09 09.3 | 23 09.40 | -01 48.2 | 17.7 | -0.91 | - 1.3 | 1.7/10.4  | 50414 |
| 1999 XV <sub>41</sub>  | 2003 09 09.3 | 23 09.49 | -02 50.7 | 18.4 | -0.82 | - 4.2 | 1.1/10.2  | 49757 |
| 2002 EM <sub>80</sub>  | 2003 09 09.3 | 23 09.51 | -09 45.7 | 19.2 | -0.95 | - 3.1 | 1.8/08.1  | 50598 |
| 1999 TR <sub>129</sub> | 2003 09 09.4 | 23 09.43 | -03 50.9 | 19.7 | -0.87 | - 5.2 | 0.5/09.9  | 47807 |
| 1999 TS <sub>262</sub> | 2003 09 09.4 | 23 09.50 | +05 07.3 | 16.9 | -1.08 | + 2.1 | 4.5/11.9  | 50430 |
| 2002 EP <sub>80</sub>  | 2003 09 09.4 | 23 09.51 | -12 10.5 | 18.2 | -1.04 | + 0.7 | 3.5/07.7  | 50598 |
| 1999 RQ <sub>3</sub>   | 2003 09 09.4 | 23 09.54 | +02 41.4 | 18.9 | -0.78 | - 7.9 | 3.5/12.3  | 50413 |
| 2000 YA <sub>36</sub>  | 2003 09 09.4 | 23 09.56 | -05 26.5 | 19.9 | -0.93 | - 6.1 | 0.0/09.4  | 47998 |
| 2002 EK <sub>153</sub> | 2003 09 09.4 | 23 09.61 | -04 21.2 | 18.2 | -0.83 | - 5.3 | 0.5/09.8  | 50600 |
| 2001 FO <sub>26</sub>  | 2003 09 09.4 | 23 09.63 | +03 36.0 | 20.3 | -0.70 | - 5.5 | 2.3/12.6  | 50527 |
| 2001 BJ <sub>49</sub>  | 2003 09 09.4 | 23 09.65 | -06 49.4 | 20.5 | -0.67 | - 7.4 | 0.3/08.9  | 11829 |
| 1998 HU <sub>2</sub>   | 2003 09 09.4 | 23 09.66 | -14 22.7 | 18.0 | -0.71 | - 6.8 | 4.1/06.2  | 50384 |
| 1993 SJ                | 2003 09 09.4 | 23 09.73 | -10 23.3 | 18.5 | -1.06 | + 0.5 | 2.5/08.2  | 50369 |
| 2002 CR <sub>219</sub> | 2003 09 09.4 | 23 09.75 | -09 11.8 | 20.9 | -0.90 | - 7.7 | 1.4/08.2  | 30684 |
| 2002 GO <sub>33</sub>  | 2003 09 09.4 | 23 09.86 | -17 33.1 | 19.3 | -1.05 | - 4.0 | 4.9/05.9  | 50602 |
| 2000 UG <sub>62</sub>  | 2003 09 09.4 | 23 09.86 | -03 03.1 | 19.8 | -1.00 | - 4.9 | 1.0/10.2  | 49834 |
| 2002 GQ <sub>102</sub> | 2003 09 09.5 | 23 09.82 | -01 06.5 | 19.0 | -0.67 | -10.3 | 1.4/11.2  | 50059 |
| 2003 QF <sub>19</sub>  | 2003 09 09.5 | 23 09.84 | -12 53.9 | 18.2 | -0.66 | -10.4 | 3.6/06.6  | 50298 |
| 2002 GL <sub>78</sub>  | 2003 09 09.5 | 23 09.85 | -10 08.1 | 18.4 | -0.88 | - 2.0 | 1.7/08.1  | 50056 |

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|                        |              |                   |      |       |       |     |           |       |
|------------------------|--------------|-------------------|------|-------|-------|-----|-----------|-------|
| 1996 AJ <sub>18</sub>  | 2003 09 09.5 | 23 09.87 +04 08.1 | 18.6 | -0.82 | -     | 3.6 | 3.8/12.5  | 49641 |
| 2001 FS <sub>115</sub> | 2003 09 09.5 | 23 09.87 -11 58.8 | 18.7 | -0.88 | -     | 1.7 | 2.2/07.6  | 50531 |
| 1999 WS <sub>12</sub>  | 2003 09 09.5 | 23 09.88 -13 34.0 | 19.5 | -0.88 | -     | 4.1 | 3.5/06.9  | 49753 |
| 2000 XB <sub>46</sub>  | 2003 09 09.5 | 23 09.88 -28 45.7 | 19.8 | -1.20 | +     | 1.2 | 7.0/03.5  | 50510 |
| 1999 TS <sub>183</sub> | 2003 09 09.5 | 23 09.90 +19 04.4 | 19.1 | -0.99 | -     | 1.1 | 9.6/17.3  | 50428 |
| 2002 KO <sub>10</sub>  | 2003 09 09.5 | 23 09.90 -17 20.7 | 19.2 | -0.86 | -     | 4.2 | 4.2/05.7  | 33592 |
| 2002 JK <sub>29</sub>  | 2003 09 09.5 | 23 09.91 -04 44.4 | 17.9 | -0.73 | -     | 5.4 | 0.2/09.7  | 50077 |
| 1998 SH <sub>143</sub> | 2003 09 09.5 | 23 09.98 -15 01.2 | 18.4 | -0.73 | -     | 4.6 | 2.7/06.3  | 50395 |
| 1997 FM <sub>3</sub>   | 2003 09 09.5 | 23 10.00 -18 13.0 | 18.6 | -1.01 | -     | 1.9 | 4.5/05.8  | 50378 |
| 2002 JF <sub>120</sub> | 2003 09 09.5 | 23 10.02 -16 07.7 | 18.9 | -0.71 | -10.7 |     | 4.0/05.4  | 50611 |
| 2000 PL <sub>3</sub>   | 2003 09 09.5 | 23 10.02 +16 13.7 | 19.2 | -1.37 | +     | 1.2 | 9.8/14.8  | 50479 |
| 1998 WK <sub>15</sub>  | 2003 09 09.5 | 23 10.03 -08 27.3 | 18.3 | -0.73 | -     | 6.2 | 1.1/08.5  | 50399 |
| 2000 AK <sub>149</sub> | 2003 09 09.5 | 23 10.05 -21 31.0 | 18.3 | -0.73 | -     | 6.3 | 4.4/03.7  | 50454 |
| 2001 CD <sub>38</sub>  | 2003 09 09.5 | 23 10.08 -38 20.0 | 17.8 | -0.82 | -     | 4.2 | 9.2/27.9  | 33896 |
| 2001 CX <sub>22</sub>  | 2003 09 09.5 | 23 10.14 -11 19.4 | 19.0 | -0.85 | -     | 6.2 | 2.3/07.6  | 50521 |
| 2000 YC <sub>122</sub> | 2003 09 09.5 | 23 10.23 -17 32.0 | 19.9 | -0.94 | -     | 5.1 | 4.3/05.7  | 33890 |
| 2000 VJ <sub>37</sub>  | 2003 09 09.6 | 23 10.16 -25 58.2 | 18.3 | -1.00 | -     | 5.5 | 7.3/02.5  | 10997 |
| 2000 WO <sub>166</sub> | 2003 09 09.6 | 23 10.16 -02 05.5 | 19.9 | -0.91 | -     | 6.9 | 1.1/10.7  | 9435  |
| 1999 TX <sub>260</sub> | 2003 09 09.6 | 23 10.17 -31 22.6 | 18.8 | -1.11 | +     | 2.9 | 11.1/03.1 | 47813 |
| 2002 GX <sub>3</sub>   | 2003 09 09.6 | 23 10.17 -28 56.1 | 18.6 | -1.15 | +     | 2.9 | 7.7/04.2  | 30734 |
| 2001 DK <sub>88</sub>  | 2003 09 09.6 | 23 10.18 +02 53.1 | 19.6 | -0.76 | -     | 2.7 | 2.0/12.2  | 13817 |
| 2002 AH <sub>34</sub>  | 2003 09 09.6 | 23 10.20 +00 27.0 | 20.0 | -0.93 | -     | 7.1 | 2.1/11.5  | 27802 |
| 2002 FJ <sub>4</sub>   | 2003 09 09.6 | 23 10.20 -08 20.1 | 19.5 | -0.99 | -     | 4.4 | 1.1/08.7  | 50600 |
| 1998 MQ <sub>6</sub>   | 2003 09 09.6 | 23 10.20 +03 37.0 | 19.3 | -0.84 | -     | 3.6 | 3.3/12.4  | 49649 |
| 2000 XQ                | 2003 09 09.6 | 23 10.23 -08 23.9 | 20.4 | -0.88 | -     | 6.5 | 1.0/08.6  | 31928 |
| 2000 WZ <sub>9</sub>   | 2003 09 09.6 | 23 10.26 -11 27.0 | 20.2 | -0.93 | -     | 6.7 | 2.3/07.6  | 9867  |
| 2000 SY <sub>179</sub> | 2003 09 09.6 | 23 10.36 -20 40.2 | 18.6 | -1.11 | -     | 1.3 | 7.4/05.3  | 50492 |
| 2001 CL <sub>37</sub>  | 2003 09 09.6 | 23 10.37 -12 18.6 | 18.9 | -0.77 | -     | 7.4 | 2.5/07.2  | 33369 |
| 1999 VP <sub>112</sub> | 2003 09 09.6 | 23 10.44 -10 15.8 | 18.1 | -0.80 | -     | 4.7 | 1.6/08.0  | 50437 |
| 1999 VD <sub>121</sub> | 2003 09 09.6 | 23 10.49 -26 10.8 | 19.0 | -1.06 | +     | 0.8 | 8.2/04.2  | 50437 |
| 1998 YG <sub>6</sub>   | 2003 09 09.6 | 23 10.52 -03 25.7 | 18.3 | -0.66 | -13.4 |     | 0.6/10.4  | 49662 |
| 1997 GY <sub>2</sub>   | 2003 09 09.6 | 23 10.52 -06 05.3 | 18.8 | -0.79 | -     | 5.5 | 0.3/09.4  | 50378 |
| 2002 FG                | 2003 09 09.6 | 23 10.56 +01 46.6 | 18.2 | -0.72 | -     | 9.6 | 2.7/12.4  | 50600 |
| 1999 VF <sub>57</sub>  | 2003 09 09.6 | 23 10.56 -03 25.4 | 19.2 | -0.82 | -     | 5.6 | 0.7/10.3  | 50435 |
| 2002 JL <sub>60</sub>  | 2003 09 09.6 | 23 10.59 -09 51.5 | 20.4 | -0.79 | -     | 4.7 | 1.4/08.2  | 31687 |
| 1993 VL <sub>1</sub>   | 2003 09 09.7 | 23 10.52 -43 20.6 | 18.4 | -0.91 | -     | 4.4 | 12.9/24.0 | 47690 |
| 1975 SD <sub>1</sub>   | 2003 09 09.7 | 23 10.62 +02 34.3 | 19.2 | -0.65 | -     | 8.5 | 2.5/12.7  | 49636 |
| 2002 GR <sub>16</sub>  | 2003 09 09.7 | 23 10.63 -11 20.9 | 19.8 | -0.94 | -     | 5.3 | 2.2/07.8  | 50601 |
| 2000 XV <sub>30</sub>  | 2003 09 09.7 | 23 10.75 +00 21.9 | 18.1 | -1.02 | -     | 3.0 | 2.2/11.4  | 49858 |
| 1998 SG <sub>84</sub>  | 2003 09 09.7 | 23 10.77 -02 08.6 | 18.3 | -0.64 | -10.8 |     | 1.1/11.0  | 50393 |
| 1999 TW <sub>140</sub> | 2003 09 09.7 | 23 10.79 -09 30.4 | 18.6 | -0.85 | -     | 3.9 | 1.3/08.4  | 50426 |
| 1999 UB <sub>8</sub>   | 2003 09 09.7 | 23 10.84 -10 05.8 | 17.2 | -0.79 | -     | 3.4 | 2.2/08.3  | 50431 |
| 2001 EX <sub>1</sub>   | 2003 09 09.7 | 23 10.86 -21 46.8 | 18.6 | -0.98 | -     | 2.9 | 5.5/04.7  | 17567 |
| 2000 WG <sub>133</sub> | 2003 09 09.7 | 23 10.93 -16 11.5 | 18.3 | -1.12 | -     | 1.4 | 4.0/06.9  | 50507 |
| 2002 GL <sub>74</sub>  | 2003 09 09.7 | 23 10.94 +00 58.6 | 19.4 | -0.94 | -     | 5.1 | 2.2/11.8  | 31543 |
| 2002 JW <sub>71</sub>  | 2003 09 09.8 | 23 10.93 -08 12.1 | 19.5 | -0.74 | -     | 6.9 | 0.9/08.8  | 32025 |
| 2002 GU <sub>14</sub>  | 2003 09 09.8 | 23 10.94 -10 36.0 | 20.3 | -0.94 | -     | 3.9 | 1.9/08.2  | 31992 |
| 2000 YN <sub>36</sub>  | 2003 09 09.8 | 23 10.95 -11 17.0 | 19.1 | -0.84 | -     | 6.4 | 1.9/07.8  | 50512 |
| 1999 VC <sub>144</sub> | 2003 09 09.8 | 23 11.01 -01 47.3 | 19.3 | -0.82 | -     | 4.9 | 1.2/11.0  | 10928 |
| 2001 HP <sub>34</sub>  | 2003 09 09.8 | 23 11.02 +09 47.5 | 18.8 | -0.69 | -     | 5.8 | 4.0/15.2  | 14432 |
| 2003 OB <sub>31</sub>  | 2003 09 09.8 | 23 11.06 +06 51.5 | 17.6 | -0.94 | -     | 1.0 | 4.6/13.3  | 50273 |

|                        |              |                   |      |       |       |     |           |       |
|------------------------|--------------|-------------------|------|-------|-------|-----|-----------|-------|
| 2002 GV <sub>1</sub>   | 2003 09 09.8 | 23 11.07 -25 13.9 | 18.8 | -0.89 | -     | 3.6 | 7.3/03.5  | 48226 |
| 1998 RM <sub>11</sub>  | 2003 09 09.8 | 23 11.09 -13 26.5 | 20.2 | -0.89 | -     | 1.5 | 2.7/07.5  | 16841 |
| 2003 QL <sub>79</sub>  | 2003 09 09.8 | 23 11.11 +03 07.7 | 17.7 | -1.15 | +     | 2.6 | 3.8/11.7  | 50323 |
| 2000 SQ <sub>188</sub> | 2003 09 09.8 | 23 11.15 -05 14.8 | 17.9 | -0.94 | -     | 4.4 | 0.0/09.9  | 50492 |
| 1999 UU <sub>29</sub>  | 2003 09 09.8 | 23 11.18 -10 52.9 | 18.9 | -0.85 | -     | 3.6 | 2.5/08.1  | 50432 |
| 1999 TW <sub>112</sub> | 2003 09 09.8 | 23 11.21 +14 03.6 | 19.3 | -0.72 | -10.4 |     | 7.6/17.8  | 50425 |
| 2001 XS <sub>2</sub>   | 2003 09 09.8 | 23 11.22 -48 54.3 | 18.3 | -1.67 | +     | 1.8 | 18.6/26.5 | 30560 |
| 1999 TD <sub>120</sub> | 2003 09 09.8 | 23 11.23 +01 06.5 | 18.5 | -0.82 | -     | 4.2 | 2.8/11.9  | 49707 |
| 2002 JW <sub>92</sub>  | 2003 09 09.8 | 23 11.24 +01 08.8 | 19.5 | -0.81 | -     | 5.1 | 2.3/12.0  | 50610 |
| 2002 GW <sub>8</sub>   | 2003 09 09.8 | 23 11.28 -24 45.1 | 19.2 | -1.13 | +     | 0.3 | 6.7/04.9  | 50601 |
| 1999 RN <sub>164</sub> | 2003 09 09.8 | 23 11.32 +00 10.3 | 17.7 | -1.08 | +     | 2.7 | 2.6/11.1  | 49687 |
| 2003 QH <sub>39</sub>  | 2003 09 09.9 | 23 11.23 -08 26.4 | 19.4 | -0.81 | -     | 4.5 | 1.1/08.9  | 50307 |
| 2003 QM <sub>10</sub>  | 2003 09 09.9 | 23 11.24 +33 27.5 | 18.9 | -0.68 | -     | 5.8 | 13.0/28.0 | 50293 |
| 2002 CZ <sub>174</sub> | 2003 09 09.9 | 23 11.24 -17 02.1 | 18.2 | -0.93 | -     | 5.9 | 4.1/06.1  | 50593 |
| 1999 TX <sub>209</sub> | 2003 09 09.9 | 23 11.25 -09 20.1 | 19.1 | -0.99 | -     | 1.9 | 1.7/08.7  | 49720 |
| 2001 AP <sub>42</sub>  | 2003 09 09.9 | 23 11.25 -17 22.4 | 18.1 | -0.97 | -     | 3.8 | 5.1/06.1  | 10682 |
| 2002 CP <sub>104</sub> | 2003 09 09.9 | 23 11.29 -10 57.7 | 19.4 | -0.91 | -     | 6.4 | 2.2/08.1  | 50592 |
| 2000 DM <sub>76</sub>  | 2003 09 09.9 | 23 11.30 -03 09.1 | 19.0 | -0.72 | -     | 4.9 | 0.6/10.6  | 50462 |
| 2000 YW <sub>30</sub>  | 2003 09 09.9 | 23 11.34 +05 33.6 | 20.7 | -0.94 | -     | 2.5 | 3.6/13.1  | 47998 |
| 2001 BP <sub>60</sub>  | 2003 09 09.9 | 23 11.36 -00 13.2 | 18.6 | -0.75 | -     | 9.8 | 1.6/11.8  | 50519 |
| 2002 JE <sub>127</sub> | 2003 09 09.9 | 23 11.38 -09 15.6 | 18.7 | -0.83 | -     | 7.1 | 1.4/08.6  | 50611 |
| 1999 UL <sub>37</sub>  | 2003 09 09.9 | 23 11.43 -07 50.1 | 20.2 | -0.85 | -     | 5.2 | 0.9/09.1  | 29159 |
| 2002 JC <sub>143</sub> | 2003 09 09.9 | 23 11.56 -19 45.4 | 17.9 | -0.78 | -     | 6.4 | 5.6/04.9  | 50611 |
| 2002 EY <sub>105</sub> | 2003 09 09.9 | 23 11.59 -20 53.9 | 18.4 | -0.89 | -     | 4.0 | 6.5/05.0  | 50599 |
| 1995 UR <sub>22</sub>  | 2003 09 09.9 | 23 11.60 -24 43.8 | 19.1 | -1.11 | +     | 1.4 | 8.2/04.9  | 50373 |
| 2001 AT <sub>31</sub>  | 2003 09 09.9 | 23 11.63 -04 33.7 | 18.3 | -1.00 | -     | 3.3 | 0.3/10.2  | 50517 |
| 2002 EJ <sub>115</sub> | 2003 09 09.9 | 23 11.65 -13 31.5 | 19.9 | -0.91 | -     | 6.0 | 3.0/07.3  | 30068 |
| 2002 HD <sub>7</sub>   | 2003 09 09.9 | 23 11.65 +01 46.4 | 19.9 | -0.73 | -     | 7.7 | 2.1/12.5  | 50072 |
| 2001 EM <sub>7</sub>   | 2003 09 09.9 | 23 11.67 -12 25.9 | 18.9 | -0.84 | -     | 6.9 | 2.5/07.5  | 50526 |
| 1999 OC <sub>3</sub>   | 2003 09 09.9 | 23 11.69 +15 22.3 | 17.1 | -1.18 | +     | 6.1 | 9.9/14.4  | 50413 |
| 2002 JY <sub>1</sub>   | 2003 09 10.0 | 23 11.62 -12 15.4 | 19.9 | -0.83 | -     | 6.3 | 2.4/07.6  | 50607 |
| 2001 EW <sub>19</sub>  | 2003 09 10.0 | 23 11.62 -10 18.7 | 19.6 | -0.76 | -     | 5.1 | 1.5/08.3  | 11952 |
| 1998 UV <sub>39</sub>  | 2003 09 10.0 | 23 11.65 -20 45.2 | 18.2 | -0.90 | -     | 0.8 | 5.5/05.5  | 49659 |
| 1999 TR <sub>186</sub> | 2003 09 10.0 | 23 11.67 +16 17.0 | 18.6 | -0.89 | -     | 3.5 | 7.3/17.0  | 50428 |
| 2002 GE <sub>55</sub>  | 2003 09 10.0 | 23 11.72 +06 27.0 | 19.7 | -0.90 | -     | 6.6 | 4.4/14.0  | 31527 |
| 2000 UL <sub>56</sub>  | 2003 09 10.0 | 23 11.73 -15 34.5 | 17.5 | -0.89 | -     | 5.7 | 4.9/06.6  | 50499 |
| 1998 UE <sub>34</sub>  | 2003 09 10.0 | 23 11.74 +09 39.9 | 18.4 | -0.73 | -     | 5.0 | 4.5/15.2  | 50397 |
| 2002 EC <sub>19</sub>  | 2003 09 10.0 | 23 11.75 +01 40.2 | 18.8 | -0.95 | -     | 5.4 | 2.6/12.2  | 29951 |
| 1998 AZ <sub>4</sub>   | 2003 09 10.0 | 23 11.75 +07 50.6 | 17.9 | -0.99 | -     | 5.0 | 5.1/14.1  | 50380 |
| 1998 UZ <sub>44</sub>  | 2003 09 10.0 | 23 11.76 +00 03.2 | 18.6 | -0.67 | -     | 6.5 | 1.4/11.9  | 50397 |
| 2002 GX <sub>69</sub>  | 2003 09 10.0 | 23 11.77 -10 12.8 | 19.9 | -0.83 | -     | 6.3 | 1.8/08.4  | 50054 |
| 1998 SK <sub>14</sub>  | 2003 09 10.0 | 23 11.78 -16 28.8 | 17.2 | -1.43 | +     | 9.8 | 5.3/08.4  | 50392 |
| 2000 FM <sub>12</sub>  | 2003 09 10.0 | 23 11.83 -31 26.1 | 18.6 | -0.82 | -     | 2.3 | 7.2/32.0  | 17230 |
| 2002 GE <sub>40</sub>  | 2003 09 10.0 | 23 11.87 -00 24.5 | 19.0 | -1.02 | -     | 4.7 | 2.0/11.5  | 33979 |
| 2001 BS <sub>64</sub>  | 2003 09 10.0 | 23 11.88 +00 52.3 | 20.6 | -0.84 | -     | 5.7 | 1.9/12.0  | 15094 |
| 2000 DS <sub>76</sub>  | 2003 09 10.0 | 23 11.93 -03 00.1 | 18.5 | -0.70 | -     | 3.4 | 0.6/10.8  | 40468 |
| 2002 CS <sub>217</sub> | 2003 09 10.0 | 23 11.96 -08 07.4 | 18.2 | -0.98 | -     | 3.4 | 1.3/09.2  | 50002 |
| 2001 AF <sub>28</sub>  | 2003 09 10.0 | 23 12.00 -03 36.5 | 18.6 | -1.03 | -     | 0.9 | 0.5/10.5  | 49881 |
| 1998 HL <sub>126</sub> | 2003 09 10.1 | 23 11.95 +21 35.9 | 20.4 | -0.86 | -     | 7.0 | 7.5/20.1  | 47731 |
| 2001 FT <sub>107</sub> | 2003 09 10.1 | 23 11.99 +11 23.9 | 20.5 | -0.72 | -     | 4.6 | 4.1/15.9  | 33905 |
| 1999 YR <sub>17</sub>  | 2003 09 10.1 | 23 12.04 -28 55.1 | 18.3 | -0.96 | -     | 1.1 | 7.4/02.5  | 50449 |

|                        |              |          |          |      |       |       |          |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-------|
| 2001 FR <sub>21</sub>  | 2003 09 10.1 | 23 12.07 | -19 10.1 | 18.8 | -0.77 | - 4.6 | 4.1/05.3 | 13289 |
| 2001 HE <sub>42</sub>  | 2003 09 10.1 | 23 12.13 | -03 35.4 | 18.5 | -0.69 | - 7.3 | 0.5/10.7 | 50534 |
| 1998 TQ <sub>9</sub>   | 2003 09 10.1 | 23 12.14 | +00 41.3 | 19.2 | -0.73 | - 6.0 | 1.9/12.1 | 50396 |
| 1981 EK <sub>32</sub>  | 2003 09 10.1 | 23 12.14 | +05 30.2 | 20.0 | -0.91 | - 6.5 | 4.3/13.7 | 50366 |
| 2000 WQ <sub>157</sub> | 2003 09 10.1 | 23 12.17 | -30 34.2 | 19.5 | -0.94 | - 4.3 | 8.0/01.3 | 50508 |
| 1999 TC <sub>195</sub> | 2003 09 10.1 | 23 12.17 | -11 15.9 | 18.8 | -0.87 | - 3.6 | 2.1/08.3 | 50428 |
| 2003 PA <sub>1</sub>   | 2003 09 10.1 | 23 12.22 | -13 24.5 | 17.9 | -0.70 | -19.0 | 2.9/06.6 | 50275 |
| 1999 XK <sub>137</sub> | 2003 09 10.1 | 23 12.23 | -16 31.6 | 19.8 | -0.73 | - 4.3 | 3.0/06.3 | 13636 |
| 2000 UV <sub>54</sub>  | 2003 09 10.1 | 23 12.24 | -02 54.6 | 17.5 | -0.63 | -10.6 | 1.1/11.0 | 49833 |
| 1995 DH <sub>6</sub>   | 2003 09 10.1 | 23 12.33 | -06 20.4 | 18.5 | -1.03 | - 3.2 | 0.5/09.8 | 50372 |
| 2002 JV <sub>21</sub>  | 2003 09 10.1 | 23 12.34 | +09 21.4 | 21.0 | -0.81 | - 7.7 | 4.3/15.4 | 31636 |
| 2000 AX <sub>22</sub>  | 2003 09 10.2 | 23 12.32 | -05 04.1 | 19.4 | -0.75 | - 4.4 | 0.0/10.2 | 50450 |
| 2001 AC <sub>53</sub>  | 2003 09 10.2 | 23 12.38 | -02 44.5 | 16.9 | -0.79 | - 9.1 | 1.0/11.0 | 50518 |
| 2001 DC <sub>68</sub>  | 2003 09 10.2 | 23 12.38 | -04 43.3 | 21.4 | -0.90 | - 4.7 | 0.1/10.3 | 48012 |
| 2002 GK <sub>2</sub>   | 2003 09 10.2 | 23 12.41 | -14 04.0 | 19.2 | -0.87 | - 2.7 | 2.8/07.5 | 50046 |
| 2001 FG <sub>6</sub>   | 2003 09 10.2 | 23 12.42 | -14 58.0 | 17.8 | -0.79 | - 2.1 | 3.0/07.2 | 50527 |
| 2001 AY <sub>2</sub>   | 2003 09 10.2 | 23 12.43 | -13 31.1 | 19.2 | -0.83 | - 5.9 | 3.8/07.4 | 49879 |
| 2003 QQ <sub>19</sub>  | 2003 09 10.2 | 23 12.49 | -12 30.9 | 17.9 | -0.75 | -10.9 | 2.7/07.4 | 50298 |
| 1999 TV <sub>125</sub> | 2003 09 10.2 | 23 12.52 | -06 48.9 | 18.6 | -1.02 | + 0.8 | 0.8/09.8 | 49708 |
| 1999 TF <sub>218</sub> | 2003 09 10.2 | 23 12.52 | -11 51.9 | 17.9 | -0.89 | + 0.9 | 3.4/08.4 | 49721 |
| 1999 XS <sub>48</sub>  | 2003 09 10.2 | 23 12.63 | -03 50.5 | 18.8 | -0.85 | - 4.6 | 0.4/10.7 | 5669  |
| 1998 SL <sub>118</sub> | 2003 09 10.2 | 23 12.64 | -05 43.5 | 18.2 | -0.80 | - 4.5 | 0.2/10.1 | 50394 |
| 2001 EN <sub>7</sub>   | 2003 09 10.2 | 23 12.64 | -13 32.5 | 18.5 | -0.81 | - 2.5 | 2.5/07.7 | 50526 |
| 2001 BA <sub>54</sub>  | 2003 09 10.2 | 23 12.67 | -01 13.2 | 17.5 | -0.66 | -10.7 | 1.8/11.8 | 49892 |
| 2002 LE <sub>38</sub>  | 2003 09 10.2 | 23 12.71 | -20 49.3 | 18.1 | -0.86 | - 2.6 | 5.5/05.3 | 50613 |
| 2002 JA <sub>47</sub>  | 2003 09 10.3 | 23 12.75 | +08 14.7 | 17.8 | -0.76 | - 4.3 | 4.7/14.9 | 50609 |
| 2002 EW <sub>125</sub> | 2003 09 10.3 | 23 12.76 | -05 23.2 | 18.5 | -0.84 | - 7.3 | 0.1/10.2 | 50036 |
| 2001 AQ <sub>42</sub>  | 2003 09 10.3 | 23 12.84 | -09 18.1 | 18.7 | -0.97 | - 3.0 | 1.7/09.1 | 50517 |
| 2002 EC <sub>49</sub>  | 2003 09 10.3 | 23 12.85 | -09 48.3 | 19.9 | -0.86 | - 7.3 | 1.8/08.7 | 48218 |
| 2000 WN <sub>185</sub> | 2003 09 10.3 | 23 12.90 | +10 25.8 | 18.0 | -0.93 | - 3.6 | 6.8/15.2 | 50509 |
| 1998 FL <sub>55</sub>  | 2003 09 10.3 | 23 12.94 | -05 16.9 | 18.9 | -0.85 | - 8.3 | 0.1/10.3 | 31812 |
| 2001 CK <sub>34</sub>  | 2003 09 10.3 | 23 12.97 | -31 43.4 | 19.9 | -0.95 | - 4.2 | 8.4/31.9 | 13250 |
| 1999 VD <sub>65</sub>  | 2003 09 10.3 | 23 13.00 | -00 53.6 | 20.1 | -0.82 | - 5.7 | 1.4/11.7 | 12991 |
| 1998 EZ <sub>1</sub>   | 2003 09 10.3 | 23 13.01 | -03 23.1 | 18.9 | -0.86 | - 7.1 | 0.6/10.9 | 50381 |
| 1999 XX <sub>222</sub> | 2003 09 10.3 | 23 13.05 | -00 48.0 | 18.7 | -0.81 | - 2.4 | 1.2/11.7 | 50448 |
| 2000 CK <sub>32</sub>  | 2003 09 10.3 | 23 13.05 | -05 16.6 | 19.8 | -0.74 | - 5.1 | 0.1/10.3 | 2735  |
| 2001 BG <sub>11</sub>  | 2003 09 10.3 | 23 13.06 | -03 52.9 | 18.0 | -0.69 | - 7.2 | 0.6/10.8 | 49887 |
| 2002 JS <sub>16</sub>  | 2003 09 10.3 | 23 13.06 | -16 43.8 | 18.5 | -0.89 | - 6.4 | 4.3/06.5 | 50607 |
| 2002 JY <sub>62</sub>  | 2003 09 10.4 | 23 13.05 | -05 45.5 | 18.7 | -0.80 | - 7.4 | 0.2/10.2 | 33999 |
| 2001 YH <sub>4</sub>   | 2003 09 10.4 | 23 13.06 | -14 48.4 | 19.9 | -1.00 | - 4.0 | 3.5/07.5 | 49946 |
| 1998 FX <sub>7</sub>   | 2003 09 10.4 | 23 13.09 | -06 57.3 | 21.3 | -0.91 | - 5.9 | 0.7/09.8 | 47725 |
| 1999 VG <sub>19</sub>  | 2003 09 10.4 | 23 13.09 | +09 29.0 | 18.3 | -0.77 | - 6.2 | 4.9/15.5 | 50433 |
| 2000 YL <sub>96</sub>  | 2003 09 10.4 | 23 13.12 | -05 23.0 | 19.4 | -0.83 | - 6.2 | 0.1/10.3 | 50514 |
| 2000 AT <sub>175</sub> | 2003 09 10.4 | 23 13.12 | +02 31.8 | 18.5 | -0.71 | - 7.1 | 2.3/13.1 | 50454 |
| 2002 EV <sub>46</sub>  | 2003 09 10.4 | 23 13.13 | -13 09.0 | 19.0 | -0.76 | - 7.3 | 2.6/07.6 | 50022 |
| 1999 JK <sub>56</sub>  | 2003 09 10.4 | 23 13.16 | -05 47.8 | 18.8 | -0.92 | - 7.9 | 0.3/10.2 | 50409 |
| 2001 EH <sub>27</sub>  | 2003 09 10.4 | 23 13.24 | -05 20.1 | 19.7 | -0.73 | - 4.6 | 0.1/10.3 | 50526 |
| 1999 VW <sub>133</sub> | 2003 09 10.4 | 23 13.25 | +02 48.6 | 19.0 | -0.80 | - 5.7 | 2.7/13.1 | 50437 |
| 2002 KG <sub>9</sub>   | 2003 09 10.4 | 23 13.27 | -21 15.9 | 19.2 | -0.82 | - 7.4 | 5.4/04.7 | 32034 |
| 1999 VY <sub>196</sub> | 2003 09 10.4 | 23 13.28 | -18 27.9 | 18.5 | -0.77 | - 8.3 | 4.6/05.5 | 50439 |
| 2003 QR <sub>55</sub>  | 2003 09 10.4 | 23 13.30 | -08 30.0 | 19.2 | -1.03 | + 1.9 | 1.7/09.6 | 50314 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 VH <sub>81</sub>  | 2003 09 10.4 | 23 13.30 | -08 52.6 | 18.5 | -0.77 | - 6.6 | 1.4/09.1  | 50436 |
| 1999 XZ <sub>241</sub> | 2003 09 10.4 | 23 13.32 | +07 18.4 | 19.1 | -0.86 | - 3.4 | 4.3/14.3  | 19470 |
| 1999 JZ <sub>14</sub>  | 2003 09 10.4 | 23 13.32 | -15 49.7 | 19.0 | -0.97 | - 7.5 | 4.1/06.9  | 50408 |
| 2002 EG <sub>95</sub>  | 2003 09 10.4 | 23 13.36 | -06 55.6 | 18.7 | -0.93 | - 4.1 | 0.8/09.9  | 50033 |
| 1999 VP <sub>30</sub>  | 2003 09 10.4 | 23 13.38 | +20 47.5 | 18.3 | -0.73 | - 7.4 | 9.8/21.1  | 50434 |
| 2002 EE <sub>5</sub>   | 2003 09 10.4 | 23 13.38 | -11 05.3 | 18.0 | -1.87 | +17.3 | 3.3/10.2  | 50014 |
| 2002 JB <sub>70</sub>  | 2003 09 10.4 | 23 13.44 | -19 23.2 | 19.8 | -0.84 | - 5.1 | 4.7/05.7  | 50609 |
| 1999 XV <sub>81</sub>  | 2003 09 10.4 | 23 13.45 | +01 30.6 | 21.2 | -0.95 | - 5.7 | 2.2/12.5  | 38841 |
| 2000 UA <sub>41</sub>  | 2003 09 10.4 | 23 13.46 | +04 01.8 | 18.5 | -0.93 | - 6.4 | 3.4/13.5  | 50499 |
| 1999 VN <sub>137</sub> | 2003 09 10.5 | 23 13.43 | -10 01.2 | 20.1 | -0.84 | - 4.2 | 1.6/08.9  | 10928 |
| 2002 GQ <sub>3</sub>   | 2003 09 10.5 | 23 13.43 | -27 38.7 | 19.4 | -0.91 | - 1.1 | 7.0/03.8  | 31990 |
| 2000 WV <sub>39</sub>  | 2003 09 10.5 | 23 13.51 | -00 03.6 | 19.4 | -0.87 | - 8.5 | 1.9/12.2  | 50504 |
| 2001 AG <sub>47</sub>  | 2003 09 10.5 | 23 13.58 | -34 23.2 | 17.4 | -1.52 | + 3.2 | 12.1/02.8 | 13805 |
| 2002 JV <sub>14</sub>  | 2003 09 10.5 | 23 13.59 | -10 27.3 | 21.0 | -0.89 | - 5.8 | 1.8/08.8  | 48232 |
| 2000 CU <sub>25</sub>  | 2003 09 10.5 | 23 13.64 | -10 47.3 | 18.9 | -0.72 | - 8.8 | 1.9/08.4  | 29209 |
| 2000 WC <sub>101</sub> | 2003 09 10.5 | 23 13.65 | +11 46.1 | 18.6 | -0.97 | - 4.2 | 6.4/15.7  | 50506 |
| 2000 YX <sub>26</sub>  | 2003 09 10.5 | 23 13.68 | +04 04.0 | 18.4 | -0.71 | - 8.4 | 2.5/13.9  | 50511 |
| 1999 UO <sub>43</sub>  | 2003 09 10.5 | 23 13.71 | -04 53.6 | 18.5 | -1.00 | - 1.2 | 0.0/10.6  | 49734 |
| 2001 BA <sub>53</sub>  | 2003 09 10.5 | 23 13.73 | -11 17.3 | 19.7 | -0.75 | - 9.2 | 2.0/08.2  | 50519 |
| 1999 TD <sub>115</sub> | 2003 09 10.5 | 23 13.74 | +00 15.5 | 18.9 | -0.94 | - 3.5 | 2.1/12.1  | 50425 |
| 2002 HP <sub>4</sub>   | 2003 09 10.5 | 23 13.75 | -17 06.7 | 19.1 | -0.90 | - 6.5 | 4.0/06.5  | 50606 |
| 1995 FD <sub>4</sub>   | 2003 09 10.5 | 23 13.78 | -09 16.0 | 18.8 | -0.98 | - 4.3 | 1.9/09.3  | 50372 |
| 2002 CZ <sub>110</sub> | 2003 09 10.6 | 23 13.76 | -08 07.9 | 18.9 | -0.89 | - 8.9 | 1.3/09.5  | 50592 |
| 2002 FD <sub>11</sub>  | 2003 09 10.6 | 23 13.76 | +02 49.9 | 19.4 | -0.97 | - 6.2 | 3.2/13.1  | 50042 |
| 2003 QX <sub>10</sub>  | 2003 09 10.6 | 23 13.85 | -13 03.3 | 18.1 | -0.65 | + 2.9 | 4.9/08.4  | 50784 |
| 1999 XW <sub>75</sub>  | 2003 09 10.6 | 23 13.93 | +30 28.1 | 19.3 | -0.78 | - 3.0 | 8.2/24.4  | 33845 |
| 1999 VP <sub>172</sub> | 2003 09 10.6 | 23 13.96 | -23 51.6 | 19.8 | -0.83 | - 3.8 | 5.9/04.3  | 50438 |
| 2001 DE <sub>104</sub> | 2003 09 10.6 | 23 13.97 | -05 49.4 | 19.3 | -0.74 | - 5.1 | 0.3/10.4  | 50525 |
| 2000 AK <sub>176</sub> | 2003 09 10.6 | 23 13.99 | +01 55.6 | 19.3 | -0.78 | - 7.2 | 2.4/13.0  | 50454 |
| 1999 TA <sub>37</sub>  | 2003 09 10.6 | 23 14.08 | +02 10.7 | 18.2 | -0.69 | -12.6 | 2.7/13.5  | 50424 |
| 2002 ES <sub>132</sub> | 2003 09 10.6 | 23 14.13 | -01 30.8 | 19.4 | -0.91 | - 7.6 | 1.4/11.8  | 30076 |
| 2001 EX                | 2003 09 10.6 | 23 14.15 | -07 11.1 | 19.6 | -1.00 | - 2.1 | 0.8/10.1  | 15095 |
| 1998 EM <sub>7</sub>   | 2003 09 10.6 | 23 14.17 | -06 00.0 | 18.9 | -1.03 | - 4.4 | 0.4/10.4  | 50381 |
| 2001 DF <sub>4</sub>   | 2003 09 10.6 | 23 14.18 | -15 57.3 | 18.9 | -0.89 | - 4.9 | 3.7/07.1  | 50523 |
| 1999 VU <sub>164</sub> | 2003 09 10.7 | 23 14.13 | -44 46.1 | 19.4 | -1.02 | - 0.5 | 9.7/28.0  | 12198 |
| 1998 TC <sub>19</sub>  | 2003 09 10.7 | 23 14.14 | +03 19.7 | 18.8 | -0.71 | - 6.0 | 3.0/13.6  | 49658 |
| 2001 CD <sub>3</sub>   | 2003 09 10.7 | 23 14.15 | -04 46.6 | 18.3 | -0.84 | - 2.3 | 0.0/10.8  | 50521 |
| 2000 GR <sub>19</sub>  | 2003 09 10.7 | 23 14.27 | -03 58.9 | 18.5 | -0.63 | - 4.0 | 0.2/11.1  | 50470 |
| 1999 TZ <sub>211</sub> | 2003 09 10.7 | 23 14.31 | +33 54.3 | 19.1 | -0.49 | -19.1 | 15.1/31.0 | 49720 |
| 2000 WN <sub>40</sub>  | 2003 09 10.7 | 23 14.31 | -13 10.1 | 18.3 | -0.88 | - 8.1 | 3.3/07.9  | 49845 |
| 2001 FJ <sub>176</sub> | 2003 09 10.7 | 23 14.34 | -21 27.4 | 18.6 | -0.76 | - 3.8 | 4.7/05.2  | 50532 |
| 1997 MY <sub>2</sub>   | 2003 09 10.7 | 23 14.34 | -06 07.8 | 18.1 | -0.78 | - 3.8 | 0.4/10.4  | 50378 |
| 1999 XC <sub>5</sub>   | 2003 09 10.7 | 23 14.34 | -25 33.7 | 19.2 | -0.92 | - 5.2 | 7.2/03.4  | 2193  |
| 2000 UA <sub>6</sub>   | 2003 09 10.7 | 23 14.36 | +05 51.4 | 17.4 | -0.79 | - 7.4 | 5.6/14.7  | 49829 |
| 1999 TY <sub>68</sub>  | 2003 09 10.7 | 23 14.39 | -16 04.3 | 19.2 | -0.95 | - 1.9 | 3.6/07.6  | 50424 |
| 1999 TG <sub>117</sub> | 2003 09 10.7 | 23 14.39 | -06 20.8 | 18.7 | -0.96 | - 3.6 | 0.6/10.3  | 49706 |
| 2001 AX <sub>43</sub>  | 2003 09 10.7 | 23 14.44 | -02 05.3 | 19.2 | -0.96 | - 4.3 | 1.3/11.6  | 49883 |
| 1993 FB <sub>20</sub>  | 2003 09 10.7 | 23 14.47 | -19 27.1 | 18.7 | -0.95 | - 3.9 | 5.4/06.1  | 50368 |
| 2001 XW <sub>2</sub>   | 2003 09 10.7 | 23 14.53 | -38 46.8 | 18.5 | -1.66 | + 3.5 | 15.0/02.4 | 30560 |
| 2001 DQ <sub>14</sub>  | 2003 09 10.7 | 23 14.54 | -08 52.9 | 19.1 | -0.91 | - 4.5 | 1.6/09.5  | 50523 |
| 2000 SJ <sub>330</sub> | 2003 09 10.8 | 23 14.50 | -08 49.0 | 17.6 | -1.11 | - 2.8 | 1.7/09.7  | 50496 |

2003 SEPT. 10

M.P.C. 49703

|                        |              |                        |       |       |           |       |
|------------------------|--------------|------------------------|-------|-------|-----------|-------|
| 2000 AJ <sub>198</sub> | 2003 09 10.8 | 23 14.52 +08 06.5 18.4 | -0.73 | - 4.5 | 3.9/15.2  | 50455 |
| 1998 QM <sub>53</sub>  | 2003 09 10.8 | 23 14.55 -03 30.2 17.8 | -0.85 | - 2.1 | 0.5/11.2  | 50388 |
| 1999 TS <sub>135</sub> | 2003 09 10.8 | 23 14.56 -04 47.3 17.8 | -0.81 | - 4.1 | 11.1/22.0 | 49709 |
| 2014 T-2               | 2003 09 10.8 | 23 14.56 +00 05.5 18.8 | -0.94 | - 7.1 | 1.9/12.4  | 50811 |
| 2000 YS <sub>7</sub>   | 2003 09 10.8 | 23 14.60 -07 55.9 19.3 | -0.82 | - 6.3 | 0.9/09.8  | 50511 |
| 2002 GO                | 2003 09 10.8 | 23 14.61 -22 14.3 18.4 | -0.88 | - 4.0 | 6.4/05.3  | 50046 |
| 1994 AE <sub>9</sub>   | 2003 09 10.8 | 23 14.67 -01 43.8 17.7 | -0.87 | - 5.0 | 1.5/11.9  | 50370 |
| 1998 WT <sub>37</sub>  | 2003 09 10.8 | 23 14.69 -11 37.7 18.4 | -0.76 | - 3.9 | 2.2/08.7  | 50399 |
| 1995 SZ <sub>83</sub>  | 2003 09 10.8 | 23 14.69 -05 55.9 19.0 | -0.89 | - 4.8 | 0.4/10.5  | 50373 |
| 1999 VN <sub>67</sub>  | 2003 09 10.8 | 23 14.74 -04 03.0 20.0 | -0.81 | - 5.4 | 7.5/22.0  | 47821 |
| 1999 XC <sub>194</sub> | 2003 09 10.8 | 23 14.76 -12 19.8 18.5 | -0.77 | - 3.4 | 2.1/08.5  | 50447 |
| 2002 CS <sub>243</sub> | 2003 09 10.8 | 23 14.76 -00 59.0 18.2 | -1.02 | - 3.3 | 1.6/12.0  | 50006 |
| 2002 FO <sub>1</sub>   | 2003 09 10.8 | 23 14.76 -21 44.9 19.7 | -0.93 | - 6.9 | 5.6/05.2  | 30729 |
| 1997 CG <sub>20</sub>  | 2003 09 10.8 | 23 14.79 -03 31.8 19.3 | -0.94 | - 2.4 | 0.4/11.3  | 12116 |
| 2002 CU <sub>43</sub>  | 2003 09 10.8 | 23 14.94 +02 28.7 18.1 | -1.54 | + 6.1 | 3.3/12.1  | 49979 |
| 1999 VR <sub>193</sub> | 2003 09 10.9 | 23 14.84 -00 25.5 17.8 | -0.82 | - 1.9 | 2.2/12.2  | 49751 |
| 2001 FH <sub>146</sub> | 2003 09 10.9 | 23 14.85 +03 47.6 19.4 | -0.79 | - 2.7 | 2.6/13.6  | 13356 |
| 1999 TG <sub>63</sub>  | 2003 09 10.9 | 23 14.86 +09 03.1 19.4 | -0.80 | - 7.9 | 4.7/15.8  | 49702 |
| 2001 AG <sub>52</sub>  | 2003 09 10.9 | 23 14.88 -45 04.5 19.8 | -1.01 | - 0.5 | 9.7/28.0  | 13805 |
| 2002 JH <sub>98</sub>  | 2003 09 10.9 | 23 14.89 -40 25.4 19.4 | -1.50 | + 5.8 | 13.6/02.7 | 33572 |
| 2002 EK <sub>74</sub>  | 2003 09 10.9 | 23 14.91 -16 47.0 17.9 | -1.11 | + 1.9 | 5.5/08.0  | 50597 |
| 1999 TB <sub>32</sub>  | 2003 09 10.9 | 23 14.91 -16 27.9 18.4 | -1.05 | - 0.1 | 4.6/07.8  | 50423 |
| 2000 TJ <sub>36</sub>  | 2003 09 10.9 | 23 14.96 -18 55.0 18.7 | -1.18 | + 0.4 | 6.5/07.5  | 49828 |
| 1992 SC <sub>4</sub>   | 2003 09 10.9 | 23 14.99 -08 33.3 19.3 | -0.94 | - 5.3 | 1.6/09.8  | 29300 |
| 2002 GT <sub>113</sub> | 2003 09 10.9 | 23 15.00 -11 50.6 20.3 | -0.83 | - 7.2 | 2.6/08.5  | 50605 |
| 1997 WE <sub>5</sub>   | 2003 09 10.9 | 23 15.02 -00 57.5 20.2 | -0.96 | - 7.2 | 1.5/12.2  | 47718 |
| 2000 AP <sub>194</sub> | 2003 09 10.9 | 23 15.03 -24 34.5 19.7 | -0.70 | - 8.5 | 4.9/03.2  | 13130 |
| 1999 UU <sub>4</sub>   | 2003 09 10.9 | 23 15.05 -01 30.2 18.3 | -0.85 | - 5.5 | 1.3/12.0  | 49730 |
| 2002 JD <sub>84</sub>  | 2003 09 10.9 | 23 15.05 -08 37.7 21.2 | -0.98 | - 5.1 | 1.3/09.8  | 34002 |
| 2003 QF <sub>107</sub> | 2003 09 10.9 | 23 15.05 -19 34.5 18.6 | -1.07 | - 1.2 | 6.9/07.0  | 50325 |
| 2002 JJ <sub>120</sub> | 2003 09 10.9 | 23 15.12 -22 58.7 20.6 | -0.84 | - 7.1 | 6.0/04.5  | 48237 |
| 2001 AZ <sub>40</sub>  | 2003 09 10.9 | 23 15.13 +11 26.5 20.3 | -0.85 | - 4.7 | 4.8/16.3  | 18310 |
| 2001 FX <sub>144</sub> | 2003 09 10.9 | 23 15.14 +21 01.3 19.3 | -0.66 | - 9.8 | 6.8/21.8  | 13844 |
| 2000 WD <sub>155</sub> | 2003 09 10.9 | 23 15.22 +01 28.2 18.3 | -1.03 | - 3.4 | 2.5/12.8  | 50508 |
| 2002 BM <sub>19</sub>  | 2003 09 10.9 | 23 15.25 -15 13.8 18.6 | -0.95 | - 6.0 | 4.1/07.7  | 49968 |
| 2000 BO <sub>30</sub>  | 2003 09 11.0 | 23 15.21 -22 07.2 18.5 | -0.72 | - 5.7 | 4.9/04.8  | 50457 |
| 2002 EZ <sub>79</sub>  | 2003 09 11.0 | 23 15.23 -05 58.3 20.0 | -0.95 | - 6.4 | 0.4/10.6  | 31473 |
| 2001 AL <sub>6</sub>   | 2003 09 11.0 | 23 15.25 +02 21.9 18.8 | -0.83 | - 7.9 | 2.9/13.5  | 50516 |
| 1998 TZ <sub>37</sub>  | 2003 09 11.0 | 23 15.30 -07 23.2 18.8 | -0.77 | - 4.5 | 0.9/10.2  | 50396 |
| 2001 AN <sub>44</sub>  | 2003 09 11.0 | 23 15.37 -10 36.2 18.9 | -0.87 | - 6.1 | 2.0/09.1  | 50517 |
| 2002 EF <sub>63</sub>  | 2003 09 11.0 | 23 15.39 -03 49.3 19.6 | -0.91 | - 5.8 | 0.4/11.4  | 31471 |
| 2000 WD <sub>115</sub> | 2003 09 11.0 | 23 15.46 +05 29.8 18.0 | -0.99 | - 3.4 | 4.4/14.1  | 50507 |
| 2000 VK <sub>59</sub>  | 2003 09 11.0 | 23 15.49 -16 22.7 18.3 | -1.10 | - 3.2 | 4.2/07.7  | 50503 |
| 2002 JM <sub>57</sub>  | 2003 09 11.0 | 23 15.50 +03 52.4 19.4 | -0.92 | - 5.7 | 2.9/13.9  | 32022 |
| 2000 VS                | 2003 09 11.0 | 23 15.52 -02 51.1 20.4 | -0.92 | - 6.6 | 0.7/11.7  | 47983 |
| 1999 TN <sub>209</sub> | 2003 09 11.0 | 23 15.56 +12 43.4 19.3 | -0.88 | - 2.3 | 5.4/16.5  | 50429 |
| 1999 XC <sub>9</sub>   | 2003 09 11.0 | 23 15.60 -31 35.6 19.0 | -0.72 | - 8.5 | 11.6/30.1 | 49754 |
| 2002 GV <sub>74</sub>  | 2003 09 11.1 | 23 15.55 -02 55.2 20.5 | -0.92 | - 6.4 | 0.7/11.7  | 31544 |
| 1995 WV <sub>9</sub>   | 2003 09 11.1 | 23 15.56 -12 49.9 19.8 | -0.91 | - 3.5 | 3.4/08.6  | 50374 |
| 2002 AT <sub>193</sub> | 2003 09 11.1 | 23 15.60 +25 01.7 19.1 | -1.33 | + 0.9 | 13.1/19.4 | 30629 |
| 2001 DR <sub>15</sub>  | 2003 09 11.1 | 23 15.64 -14 48.1 20.4 | -0.87 | - 6.5 | 3.1/07.7  | 12294 |

|                        |              |                        |       |       |           |       |
|------------------------|--------------|------------------------|-------|-------|-----------|-------|
| 2001 EF <sub>18</sub>  | 2003 09 11.1 | 23 15.68 -10 41.5 20.2 | -0.85 | - 5.4 | 1.8/09.2  | 13822 |
| 2001 AJ <sub>50</sub>  | 2003 09 11.1 | 23 15.69 +00 47.3 19.9 | -0.97 | - 3.2 | 2.3/12.8  | 49885 |
| 1997 PP <sub>2</sub>   | 2003 09 11.1 | 23 15.75 +20 31.6 19.1 | -0.95 | + 0.9 | 8.1/18.6  | 50379 |
| 1996 VA <sub>3</sub>   | 2003 09 11.1 | 23 15.77 -03 52.8 18.3 | -0.83 | - 4.4 | 0.4/11.4  | 49643 |
| 2002 CO <sub>97</sub>  | 2003 09 11.1 | 23 15.78 -10 55.8 19.7 | -0.96 | - 6.8 | 2.4/09.2  | 29810 |
| 2000 UK <sub>53</sub>  | 2003 09 11.1 | 23 15.78 -17 51.2 19.0 | -0.99 | - 5.0 | 5.0/07.0  | 50499 |
| 1999 TW <sub>314</sub> | 2003 09 11.1 | 23 15.79 -31 30.4 18.5 | -0.82 | - 1.6 | 12.3/01.6 | 2143  |
| 2002 GO <sub>84</sub>  | 2003 09 11.1 | 23 15.81 -06 34.2 18.8 | -0.89 | - 8.9 | 0.6/10.5  | 32001 |
| 2002 FZ <sub>8</sub>   | 2003 09 11.1 | 23 15.82 +03 13.5 19.3 | -0.89 | - 7.9 | 2.9/13.9  | 30730 |
| 2001 AC <sub>41</sub>  | 2003 09 11.1 | 23 15.84 -16 20.2 19.8 | -0.79 | - 8.2 | 4.0/07.0  | 50517 |
| 1998 KG <sub>53</sub>  | 2003 09 11.1 | 23 15.85 +02 51.0 18.8 | -0.73 | -11.5 | 2.7/14.1  | 50387 |
| 1999 WK <sub>10</sub>  | 2003 09 11.1 | 23 15.91 -04 23.4 18.9 | -0.75 | - 5.7 | 0.2/11.3  | 49752 |
| 1999 RR <sub>96</sub>  | 2003 09 11.1 | 23 15.96 +01 51.6 18.6 | -0.83 | - 7.9 | 2.7/13.5  | 50417 |
| 1999 XB <sub>41</sub>  | 2003 09 11.1 | 23 15.97 +08 07.3 19.7 | -0.79 | - 5.4 | 4.0/15.6  | 47829 |
| 2000 SF <sub>301</sub> | 2003 09 11.1 | 23 15.99 -00 19.1 18.6 | -1.02 | - 5.2 | 1.7/12.5  | 50495 |
| 2002 JZ <sub>59</sub>  | 2003 09 11.2 | 23 15.92 +01 28.7 17.8 | -0.74 | - 4.2 | 2.1/13.3  | 50609 |
| 1999 TX <sub>6</sub>   | 2003 09 11.2 | 23 16.03 -20 21.7 18.0 | -1.04 | - 1.4 | 5.7/06.7  | 50422 |
| 2000 SJ <sub>180</sub> | 2003 09 11.2 | 23 16.08 +06 40.0 18.4 | -0.97 | - 5.5 | 5.0/14.9  | 41673 |
| 2002 FV <sub>39</sub>  | 2003 09 11.2 | 23 16.09 -14 06.4 17.3 | -0.98 | - 2.3 | 4.5/08.5  | 50601 |
| 1999 KD                | 2003 09 11.2 | 23 16.09 -19 52.6 18.9 | -0.78 | - 0.9 | 8.3/06.5  | 50411 |
| 2001 FY <sub>54</sub>  | 2003 09 11.2 | 23 16.15 -15 29.0 19.3 | -0.87 | - 2.1 | 3.2/08.0  | 17579 |
| 1998 VS <sub>33</sub>  | 2003 09 11.2 | 23 16.17 +32 18.2 18.7 | -1.19 | - 2.5 | 16.3/24.5 | 50398 |
| 2002 CG <sub>43</sub>  | 2003 09 11.2 | 23 16.19 -17 15.2 18.9 | -0.90 | - 7.3 | 4.4/07.0  | 30644 |
| 1999 TF <sub>146</sub> | 2003 09 11.2 | 23 16.21 -07 52.8 18.7 | -0.92 | - 0.6 | 1.5/10.4  | 49712 |
| 1999 NE <sub>18</sub>  | 2003 09 11.2 | 23 16.22 -28 58.3 18.3 | -0.97 | - 5.0 | 9.3/03.2  | 50412 |
| 2001 AO <sub>45</sub>  | 2003 09 11.2 | 23 16.24 -12 31.6 20.6 | -0.84 | - 4.1 | 2.2/08.8  | 10684 |
| 1999 TT <sub>49</sub>  | 2003 09 11.2 | 23 16.24 +03 13.3 18.4 | -0.75 | -10.4 | 2.7/14.3  | 50424 |
| 1999 TH <sub>79</sub>  | 2003 09 11.2 | 23 16.27 -16 21.5 19.1 | -0.95 | - 2.7 | 3.5/07.8  | 50424 |
| 2000 CL <sub>108</sub> | 2003 09 11.2 | 23 16.28 +28 22.6 19.5 | -0.81 | - 1.7 | 8.5/23.1  | 33208 |
| 2002 GH <sub>151</sub> | 2003 09 11.2 | 23 16.30 -03 07.6 20.2 | -0.93 | - 6.2 | 0.6/11.8  | 48231 |
| 2002 JB <sub>50</sub>  | 2003 09 11.3 | 23 16.32 -05 59.6 19.7 | -0.87 | - 4.6 | 0.4/10.9  | 31674 |
| 1999 VK <sub>156</sub> | 2003 09 11.3 | 23 16.43 +13 23.9 19.4 | -0.78 | - 5.7 | 5.5/17.7  | 2687  |
| 2001 CR <sub>49</sub>  | 2003 09 11.3 | 23 16.46 -07 48.2 18.8 | -0.76 | - 7.6 | 1.0/10.2  | 37540 |
| 2001 FV <sub>33</sub>  | 2003 09 11.3 | 23 16.47 +06 13.1 18.5 | -0.81 | - 2.6 | 3.2/14.8  | 49911 |
| 2002 GT <sub>6</sub>   | 2003 09 11.3 | 23 16.52 -00 31.1 17.4 | -1.12 | + 4.6 | 2.2/12.2  | 50046 |
| 2001 BB <sub>8</sub>   | 2003 09 11.3 | 23 16.52 +14 40.7 19.0 | -0.87 | - 1.7 | 5.1/17.5  | 50518 |
| 2002 JN <sub>30</sub>  | 2003 09 11.3 | 23 16.55 -07 59.9 18.7 | -0.76 | - 5.7 | 1.1/10.2  | 50608 |
| 2001 AO <sub>18</sub>  | 2003 09 11.3 | 23 16.57 -05 54.2 18.9 | -0.74 | - 3.6 | 0.3/11.0  | 49880 |
| 1996 GX <sub>9</sub>   | 2003 09 11.3 | 23 16.66 -07 50.3 19.7 | -0.74 | - 4.6 | 0.9/10.3  | 33759 |
| 2000 XM <sub>48</sub>  | 2003 09 11.3 | 23 16.69 -15 41.1 18.9 | -1.10 | - 0.3 | 5.0/08.5  | 50510 |
| 2002 EU <sub>43</sub>  | 2003 09 11.4 | 23 16.66 -02 06.5 19.8 | -0.85 | - 8.8 | 1.0/12.3  | 50597 |
| 2002 KU <sub>13</sub>  | 2003 09 11.4 | 23 16.66 -01 12.4 18.4 | -0.74 | - 5.8 | 1.2/12.6  | 50612 |
| 1995 CV <sub>5</sub>   | 2003 09 11.4 | 23 16.67 -04 51.1 20.3 | -0.92 | - 7.8 | 0.1/11.3  | 9036  |
| 2002 JD <sub>31</sub>  | 2003 09 11.4 | 23 16.67 -04 39.8 19.8 | -0.86 | - 6.1 | 0.0/11.4  | 50608 |
| 2001 DE <sub>20</sub>  | 2003 09 11.4 | 23 16.72 -14 14.9 20.1 | -0.83 | - 5.6 | 3.1/08.2  | 11866 |
| 1999 RT <sub>28</sub>  | 2003 09 11.4 | 23 16.76 -15 40.3 18.3 | -1.14 | + 2.2 | 4.9/08.8  | 49675 |
| 2002 GG <sub>153</sub> | 2003 09 11.4 | 23 16.78 -33 32.7 18.1 | -0.92 | - 2.3 | 12.5/01.0 | 31602 |
| 1999 RW <sub>187</sub> | 2003 09 11.4 | 23 16.79 -01 17.3 18.7 | -0.84 | - 6.7 | 1.2/12.6  | 31862 |
| 1999 JV <sub>69</sub>  | 2003 09 11.4 | 23 16.80 -11 21.5 18.1 | -0.94 | - 7.9 | 2.7/09.2  | 50409 |
| 2002 GP <sub>174</sub> | 2003 09 11.4 | 23 16.85 -10 14.0 19.2 | -0.90 | - 7.4 | 2.1/09.6  | 33994 |
| 1999 XC <sub>6</sub>   | 2003 09 11.4 | 23 16.88 -10 06.3 18.3 | -0.80 | - 4.5 | 2.3/09.7  | 50441 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 XF <sub>244</sub> | 2003 09 11.4 | 23 16.93 | -33 52.7 | 19.5 | -0.90 | - 4.8 | 10.5/31.2 | 34847 |
| 2001 FC <sub>41</sub>  | 2003 09 11.4 | 23 16.97 | -06 32.9 | 19.9 | -0.85 | - 2.4 | 0.6/10.9  | 50528 |
| 1998 FY <sub>46</sub>  | 2003 09 11.4 | 23 16.99 | -05 19.6 | 18.9 | -0.95 | - 4.5 | 0.3/11.3  | 33765 |
| 2001 DC <sub>89</sub>  | 2003 09 11.5 | 23 16.99 | -05 43.7 | 18.5 | -0.71 | - 6.5 | 0.3/11.1  | 49905 |
| 2001 FT <sub>1</sub>   | 2003 09 11.5 | 23 17.01 | -10 47.9 | 18.3 | -0.78 | - 3.4 | 1.9/09.5  | 50527 |
| 1999 XF <sub>119</sub> | 2003 09 11.5 | 23 17.08 | -04 36.5 | 20.1 | -0.87 | - 3.9 | 0.0/11.5  | 47832 |
| 2003 OC <sub>21</sub>  | 2003 09 11.5 | 23 17.13 | +13 30.8 | 18.0 | -1.02 | + 1.3 | 8.0/16.4  | 50266 |
| 1994 RC <sub>7</sub>   | 2003 09 11.5 | 23 17.13 | -04 13.6 | 19.8 | -0.86 | - 3.6 | 0.1/11.7  | 19245 |
| 2001 FG <sub>81</sub>  | 2003 09 11.5 | 23 17.14 | +09 41.4 | 18.4 | -0.73 | - 5.5 | 4.4/16.6  | 50530 |
| 2001 FA <sub>10</sub>  | 2003 09 11.5 | 23 17.17 | -09 22.1 | 19.4 | -0.81 | - 2.1 | 1.4/10.1  | 49910 |
| 1997 JZ <sub>2</sub>   | 2003 09 11.5 | 23 17.26 | -00 09.9 | 18.3 | -0.81 | - 5.3 | 1.7/13.0  | 50378 |
| 2001 FT <sub>64</sub>  | 2003 09 11.5 | 23 17.31 | -11 52.0 | 20.4 | -0.76 | - 3.8 | 2.0/09.2  | 48021 |
| 2002 LF <sub>5</sub>   | 2003 09 11.5 | 23 17.31 | -07 15.6 | 19.1 | -0.67 | - 8.0 | 0.8/10.6  | 50612 |
| 1999 RF <sub>200</sub> | 2003 09 11.5 | 23 17.34 | +12 09.2 | 18.8 | -0.99 | - 2.0 | 5.5/16.6  | 50420 |
| 2002 EH                | 2003 09 11.6 | 23 17.39 | -51 35.1 | 18.9 | -1.75 | + 3.6 | 21.6/27.0 | 30700 |
| 2002 GC <sub>99</sub>  | 2003 09 11.6 | 23 17.41 | -01 26.4 | 20.4 | -0.91 | - 5.9 | 1.1/12.6  | 31571 |
| 1999 VF <sub>185</sub> | 2003 09 11.6 | 23 17.42 | -02 24.6 | 19.4 | -0.74 | - 5.8 | 0.6/12.4  | 50439 |
| 2001 BC <sub>1</sub>   | 2003 09 11.6 | 23 17.47 | +04 48.3 | 19.7 | -0.82 | - 6.0 | 2.9/14.8  | 48005 |
| 1998 XS <sub>23</sub>  | 2003 09 11.6 | 23 17.53 | -02 52.3 | 20.0 | -0.69 | - 5.5 | 0.5/12.2  | 13586 |
| 1999 US <sub>4</sub>   | 2003 09 11.6 | 23 17.59 | -09 20.0 | 18.7 | -0.82 | - 5.9 | 1.7/10.1  | 50431 |
| 2001 BF <sub>3</sub>   | 2003 09 11.6 | 23 17.59 | -22 39.4 | 18.5 | -0.89 | - 3.9 | 5.8/05.8  | 33892 |
| 2000 WM <sub>123</sub> | 2003 09 11.6 | 23 17.63 | -05 51.2 | 18.2 | -0.88 | - 6.1 | 0.6/11.2  | 50507 |
| 2002 JG <sub>97</sub>  | 2003 09 11.6 | 23 17.63 | -30 19.9 | 19.6 | -0.89 | - 4.3 | 9.4/02.6  | 48236 |
| 2001 DV <sub>87</sub>  | 2003 09 11.6 | 23 17.64 | -15 12.8 | 20.0 | -0.85 | - 4.7 | 3.6/08.2  | 50525 |
| 2002 GL <sub>87</sub>  | 2003 09 11.6 | 23 17.65 | -15 14.9 | 20.1 | -0.93 | - 5.4 | 3.8/08.2  | 31558 |
| 2002 DM <sub>9</sub>   | 2003 09 11.6 | 23 17.67 | -21 02.3 | 16.6 | -1.82 | +14.4 | 8.1/10.7  | 50012 |
| 2000 AG <sub>52</sub>  | 2003 09 11.6 | 23 17.68 | -22 33.5 | 18.4 | -1.00 | - 1.9 | 6.7/06.2  | 13643 |
| 2001 EY <sub>4</sub>   | 2003 09 11.6 | 23 17.68 | -10 05.3 | 18.7 | -0.79 | - 4.9 | 2.0/09.8  | 50526 |
| 2002 GA <sub>54</sub>  | 2003 09 11.6 | 23 17.74 | -04 28.3 | 19.2 | -0.76 | - 9.6 | 0.0/11.7  | 50603 |
| 2003 PW                | 2003 09 11.7 | 23 17.71 | +04 08.4 | 18.3 | -1.14 | + 3.1 | 3.7/13.6  | 50275 |
| 2002 GB <sub>139</sub> | 2003 09 11.7 | 23 17.72 | -33 33.0 | 18.2 | -0.90 | - 3.4 | 12.5/01.2 | 31595 |
| 1998 HQ <sub>21</sub>  | 2003 09 11.7 | 23 17.79 | -03 00.5 | 19.6 | -0.92 | - 5.4 | 0.5/12.2  | 35446 |
| 1998 FP <sub>117</sub> | 2003 09 11.7 | 23 17.79 | +11 39.8 | 19.0 | -0.83 | - 7.3 | 5.6/17.6  | 50383 |
| 1999 XA <sub>20</sub>  | 2003 09 11.7 | 23 17.80 | -25 34.3 | 18.1 | -0.96 | - 2.0 | 6.9/05.3  | 50441 |
| 1999 TO <sub>215</sub> | 2003 09 11.7 | 23 17.89 | -08 12.9 | 18.7 | -0.83 | - 6.0 | 1.3/10.5  | 50429 |
| 1998 SF <sub>155</sub> | 2003 09 11.7 | 23 17.92 | -16 01.4 | 18.5 | -0.89 | - 1.5 | 3.7/08.4  | 50395 |
| 1996 XA <sub>31</sub>  | 2003 09 11.7 | 23 17.92 | -09 35.1 | 19.6 | -0.90 | - 8.0 | 2.0/10.0  | 50377 |
| 2001 FS <sub>91</sub>  | 2003 09 11.7 | 23 17.93 | -08 30.0 | 19.3 | -0.81 | - 3.6 | 1.3/10.5  | 49914 |
| 2002 GE <sub>16</sub>  | 2003 09 11.7 | 23 17.95 | -10 50.9 | 19.4 | -0.89 | - 3.7 | 2.1/09.8  | 50601 |
| 2001 AV <sub>30</sub>  | 2003 09 11.7 | 23 17.96 | -27 43.0 | 20.1 | -0.92 | - 4.9 | 7.3/03.7  | 48004 |
| 1995 FW <sub>5</sub>   | 2003 09 11.7 | 23 17.99 | -08 08.9 | 18.7 | -0.85 | - 2.1 | 1.1/10.7  | 49638 |
| 1999 VD <sub>152</sub> | 2003 09 11.7 | 23 17.99 | -12 18.2 | 20.5 | -0.85 | - 5.2 | 2.6/09.2  | 2686  |
| 1999 RY <sub>21</sub>  | 2003 09 11.7 | 23 18.00 | -11 21.8 | 18.4 | -0.98 | - 2.4 | 2.3/09.8  | 50414 |
| 2002 ER <sub>20</sub>  | 2003 09 11.7 | 23 18.00 | -07 16.4 | 18.8 | -0.81 | - 7.5 | 1.0/10.8  | 50596 |
| 2001 FR                | 2003 09 11.7 | 23 18.03 | -20 25.0 | 18.3 | -0.69 | - 6.9 | 4.8/05.8  | 50526 |
| 1995 FZ <sub>19</sub>  | 2003 09 11.8 | 23 18.11 | -08 27.4 | 20.8 | -0.74 | - 3.4 | 1.0/10.5  | 19253 |
| 2002 GE <sub>124</sub> | 2003 09 11.8 | 23 18.11 | -01 37.8 | 19.2 | -0.80 | - 7.5 | 1.0/12.8  | 50064 |
| 1999 WY <sub>14</sub>  | 2003 09 11.8 | 23 18.22 | -03 37.6 | 19.0 | -0.84 | - 5.1 | 0.4/12.1  | 50440 |
| 2001 FL <sub>65</sub>  | 2003 09 11.8 | 23 18.23 | -07 07.8 | 19.4 | -0.68 | - 6.6 | 0.7/10.9  | 17580 |
| 1999 VH <sub>126</sub> | 2003 09 11.8 | 23 18.24 | -06 25.2 | 19.1 | -0.86 | - 5.3 | 0.7/11.2  | 50437 |
| 2002 GJ <sub>104</sub> | 2003 09 11.8 | 23 18.27 | -17 35.3 | 19.0 | -0.79 | - 6.8 | 4.5/07.2  | 32005 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 TK <sub>72</sub>  | 2003 09 11.8 | 23 18.29 | -12 29.6 | 19.2 | -0.83 | - 4.8 | 2.8/09.2  | 50424 |
| 2002 GF <sub>76</sub>  | 2003 09 11.8 | 23 18.37 | -22 19.9 | 18.8 | -0.90 | - 7.1 | 6.1/05.6  | 33983 |
| 2002 CG <sub>141</sub> | 2003 09 11.8 | 23 18.43 | +02 33.1 | 17.7 | -0.91 | - 8.0 | 2.6/14.3  | 31969 |
| 2000 YM <sub>132</sub> | 2003 09 11.8 | 23 18.46 | +06 53.3 | 18.8 | -0.89 | - 2.7 | 3.5/15.3  | 50515 |
| 2000 WX <sub>54</sub>  | 2003 09 11.9 | 23 18.43 | +15 57.5 | 18.6 | -0.94 | - 2.4 | 6.8/18.3  | 50505 |
| 2002 EN <sub>74</sub>  | 2003 09 11.9 | 23 18.43 | -14 00.6 | 19.7 | -1.09 | + 0.2 | 3.6/09.5  | 50597 |
| 2002 GY <sub>23</sub>  | 2003 09 11.9 | 23 18.46 | -12 01.4 | 20.3 | -0.90 | - 3.4 | 2.4/09.6  | 50048 |
| 2001 FH <sub>12</sub>  | 2003 09 11.9 | 23 18.47 | -00 35.9 | 19.2 | -0.65 | - 7.6 | 1.0/13.3  | 48017 |
| 2001 BA <sub>4</sub>   | 2003 09 11.9 | 23 18.49 | -04 44.1 | 19.9 | -0.85 | - 3.3 | 0.1/11.8  | 12272 |
| 1999 XS <sub>236</sub> | 2003 09 11.9 | 23 18.52 | +21 09.0 | 19.1 | -0.85 | - 2.6 | 10.5/20.9 | 2705  |
| 1999 RJ <sub>139</sub> | 2003 09 11.9 | 23 18.53 | -06 35.4 | 18.5 | -0.78 | - 9.1 | 0.9/11.2  | 50418 |
| 2003 QS <sub>69</sub>  | 2003 09 11.9 | 23 18.56 | +19 03.0 | 18.3 | -0.98 | + 0.7 | 10.2/18.6 | 50319 |
| 2129 T-2               | 2003 09 11.9 | 23 18.63 | -10 19.8 | 18.6 | -0.98 | - 2.3 | 2.6/10.3  | 50811 |
| 2003 PT                | 2003 09 11.9 | 23 18.70 | +02 51.7 | 17.7 | -0.93 | + 3.2 | 3.6/13.7  | 50275 |
| 1999 RO <sub>209</sub> | 2003 09 11.9 | 23 18.84 | +06 49.7 | 18.5 | -1.02 | - 0.7 | 4.1/15.1  | 50420 |
| 1999 TR <sub>127</sub> | 2003 09 11.9 | 23 18.84 | -09 08.1 | 19.0 | -0.85 | - 5.7 | 2.0/10.4  | 29129 |
| 1999 TZ <sub>265</sub> | 2003 09 11.9 | 23 18.85 | +16 54.7 | 18.8 | -0.89 | - 7.0 | 7.9/20.1  | 50430 |
| 1995 VY <sub>7</sub>   | 2003 09 12.0 | 23 18.78 | -10 19.3 | 20.0 | -0.87 | - 4.6 | 2.1/10.1  | 50374 |
| 2002 AR <sub>174</sub> | 2003 09 12.0 | 23 18.81 | -00 58.2 | 18.0 | -1.06 | - 4.6 | 1.6/13.0  | 50588 |
| 1998 FJ <sub>68</sub>  | 2003 09 12.0 | 23 18.82 | -04 48.8 | 18.9 | -0.95 | - 5.9 | 0.1/11.9  | 50383 |
| 2002 JS <sub>77</sub>  | 2003 09 12.0 | 23 18.86 | -12 49.9 | 19.3 | -1.05 | - 4.2 | 3.2/09.5  | 31713 |
| 2001 AO <sub>51</sub>  | 2003 09 12.0 | 23 18.90 | -08 11.9 | 19.0 | -0.84 | - 6.5 | 1.7/10.8  | 49885 |
| 2000 TG <sub>18</sub>  | 2003 09 12.0 | 23 18.90 | +01 19.7 | 19.1 | -0.94 | - 8.0 | 2.3/14.0  | 33278 |
| 2000 DG <sub>6</sub>   | 2003 09 12.0 | 23 18.90 | -11 42.6 | 18.9 | -0.78 | - 3.1 | 2.2/09.7  | 50460 |
| 1998 RS <sub>14</sub>  | 2003 09 12.0 | 23 18.93 | -08 55.4 | 19.0 | -0.87 | - 2.3 | 1.5/10.7  | 50390 |
| 1999 TD <sub>103</sub> | 2003 09 12.0 | 23 18.96 | -30 10.7 | 18.3 | -0.84 | - 6.7 | 9.2/02.0  | 50425 |
| 2001 DK <sub>95</sub>  | 2003 09 12.0 | 23 18.97 | +09 25.5 | 19.0 | -0.73 | - 4.7 | 3.8/16.9  | 49905 |
| 2002 EO <sub>49</sub>  | 2003 09 12.0 | 23 19.05 | -04 15.4 | 19.9 | -0.97 | - 7.3 | 0.1/12.1  | 48218 |
| 1999 XB <sub>58</sub>  | 2003 09 12.0 | 23 19.10 | -14 59.3 | 19.5 | -0.83 | - 5.6 | 3.6/08.5  | 50443 |
| 1999 TG <sub>252</sub> | 2003 09 12.0 | 23 19.13 | -15 16.8 | 18.8 | -0.74 | - 8.8 | 4.5/08.0  | 49723 |
| 2000 DT <sub>107</sub> | 2003 09 12.0 | 23 19.14 | -11 27.7 | 19.1 | -0.75 | - 3.9 | 2.1/09.8  | 50463 |
| 2002 JS <sub>8</sub>   | 2003 09 12.0 | 23 19.14 | -22 08.1 | 18.7 | -0.75 | - 8.2 | 5.9/05.4  | 50074 |
| 2000 YX <sub>126</sub> | 2003 09 12.0 | 23 19.16 | +04 45.5 | 19.3 | -0.90 | - 2.5 | 2.9/14.8  | 13802 |
| 2001 EO <sub>1</sub>   | 2003 09 12.0 | 23 19.17 | -20 35.4 | 18.9 | -0.91 | - 6.0 | 5.7/06.5  | 49906 |
| 2002 JS <sub>50</sub>  | 2003 09 12.0 | 23 19.18 | -00 04.7 | 20.0 | -0.81 | - 5.8 | 1.3/13.5  | 50609 |
| 2002 FQ <sub>8</sub>   | 2003 09 12.0 | 23 19.19 | +02 10.2 | 19.1 | -0.81 | - 9.2 | 2.2/14.5  | 31986 |
| 1998 FF <sub>63</sub>  | 2003 09 12.1 | 23 19.20 | +00 33.8 | 19.0 | -0.77 | -11.3 | 1.8/14.0  | 50383 |
| 2001 FP <sub>70</sub>  | 2003 09 12.1 | 23 19.24 | -08 33.1 | 19.2 | -0.73 | - 4.7 | 1.1/10.7  | 49913 |
| 2002 GL <sub>165</sub> | 2003 09 12.1 | 23 19.25 | -01 31.3 | 20.0 | -0.81 | - 6.6 | 0.9/13.1  | 33994 |
| 1999 XS <sub>98</sub>  | 2003 09 12.1 | 23 19.29 | +11 19.1 | 18.0 | -0.77 | - 4.1 | 4.6/17.5  | 50444 |
| 2000 AX <sub>39</sub>  | 2003 09 12.1 | 23 19.30 | -02 59.9 | 18.1 | -0.79 | - 3.3 | 0.4/12.6  | 50450 |
| 2002 ET <sub>27</sub>  | 2003 09 12.1 | 23 19.33 | -08 26.8 | 18.6 | -0.93 | - 5.8 | 1.5/10.8  | 30705 |
| 2002 CD <sub>8</sub>   | 2003 09 12.1 | 23 19.33 | -16 11.6 | 18.3 | -0.95 | - 5.8 | 4.9/08.4  | 50589 |
| 2000 YN <sub>37</sub>  | 2003 09 12.1 | 23 19.34 | -06 35.6 | 19.2 | -0.93 | - 7.1 | 0.9/11.4  | 49864 |
| 2001 DR <sub>49</sub>  | 2003 09 12.1 | 23 19.36 | +23 12.6 | 18.0 | -1.35 | + 4.9 | 10.9/18.6 | 50524 |
| 1999 TA <sub>182</sub> | 2003 09 12.1 | 23 19.37 | -06 27.7 | 20.3 | -0.96 | - 2.9 | 0.7/11.5  | 47809 |
| 2002 KB <sub>8</sub>   | 2003 09 12.1 | 23 19.37 | -16 43.4 | 19.4 | -0.67 | - 8.4 | 3.8/07.5  | 50612 |
| 1999 TK <sub>120</sub> | 2003 09 12.1 | 23 19.39 | +00 47.1 | 18.5 | -0.80 | - 4.0 | 2.4/13.8  | 49707 |
| 2001 AF <sub>17</sub>  | 2003 09 12.1 | 23 19.46 | -20 30.4 | 17.8 | -0.80 | - 9.3 | 5.6/06.0  | 50516 |
| 2002 CB <sub>243</sub> | 2003 09 12.1 | 23 19.47 | +04 06.1 | 19.0 | -0.93 | - 6.2 | 3.1/15.0  | 30689 |
| 1999 WL <sub>15</sub>  | 2003 09 12.1 | 23 19.52 | +14 21.7 | 20.4 | -0.77 | - 7.6 | 6.1/19.3  | 50440 |



2003 SEPT. 10

M.P.C. 49705

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2000 AQ <sub>160</sub> | 2003 09 12.1 | 23 19.52 +12 49.7 18.9 | -0.78 - 2.7 | 4.8/17.8  | 13125 |
| 2002 CE <sub>75</sub>  | 2003 09 12.2 | 23 19.50 -06 54.2 19.0 | -1.02 - 4.9 | 1.2/11.4  | 30651 |
| 2002 KT <sub>14</sub>  | 2003 09 12.2 | 23 19.51 -04 25.8 19.2 | -0.65 - 9.5 | 0.0/12.2  | 50612 |
| 2001 HY <sub>50</sub>  | 2003 09 12.2 | 23 19.57 +08 30.8 18.6 | -0.72 - 5.6 | 3.8/16.8  | 50534 |
| 2000 UE <sub>18</sub>  | 2003 09 12.2 | 23 19.59 -12 19.5 19.7 | -0.96 - 7.0 | 2.9/09.6  | 47975 |
| 2001 DM <sub>65</sub>  | 2003 09 12.2 | 23 19.59 +01 36.8 18.5 | -0.84 - 2.6 | 2.0/14.1  | 50524 |
| 1999 TF <sub>189</sub> | 2003 09 12.2 | 23 19.61 -08 23.9 17.9 | -1.11 + 1.9 | 1.7/11.3  | 49717 |
| 2001 BT <sub>76</sub>  | 2003 09 12.2 | 23 19.75 +00 06.2 18.1 | -0.94 - 3.3 | 2.0/13.6  | 49894 |
| 2000 EA <sub>59</sub>  | 2003 09 12.2 | 23 19.78 -04 17.8 19.6 | -0.73 - 4.8 | 0.0/12.3  | 2757  |
| 2000 YR <sub>68</sub>  | 2003 09 12.2 | 23 19.78 +00 11.2 20.2 | -0.84 - 4.6 | 1.4/13.7  | 48000 |
| 1999 TD <sub>193</sub> | 2003 09 12.2 | 23 19.80 -06 24.2 18.6 | -1.02 0.0   | 0.8/11.7  | 49717 |
| 2000 DG <sub>37</sub>  | 2003 09 12.3 | 23 19.89 -03 34.1 18.8 | -0.82 - 2.6 | 0.2/12.5  | 40463 |
| 2003 OY <sub>30</sub>  | 2003 09 12.3 | 23 19.91 -07 10.7 16.8 | -0.37 -19.1 | 1.3/10.9  | 50273 |
| 2002 JY <sub>24</sub>  | 2003 09 12.3 | 23 19.97 -06 15.1 19.5 | -0.84 - 6.6 | 0.6/11.7  | 32017 |
| 1998 HS <sub>45</sub>  | 2003 09 12.3 | 23 20.01 +05 59.5 18.8 | -0.89 - 6.3 | 3.8/15.8  | 50385 |
| 2002 JH <sub>101</sub> | 2003 09 12.3 | 23 20.04 -00 12.3 18.6 | -0.66 -10.4 | 1.1/13.9  | 34003 |
| 1981 UJ <sub>22</sub>  | 2003 09 12.3 | 23 20.08 -13 56.3 18.9 | -0.78 - 4.7 | 3.5/09.1  | 50366 |
| 1996 VZ <sub>1</sub>   | 2003 09 12.3 | 23 20.09 -08 11.0 17.6 | -0.88 - 3.7 | 1.9/11.1  | 50376 |
| 2002 EY <sub>70</sub>  | 2003 09 12.3 | 23 20.09 -00 28.5 19.4 | -0.91 - 5.8 | 1.4/13.6  | 30014 |
| 2002 GU <sub>38</sub>  | 2003 09 12.3 | 23 20.15 -15 56.0 18.2 | -0.98 - 0.8 | 5.4/09.1  | 50602 |
| 2000 YO <sub>93</sub>  | 2003 09 12.3 | 23 20.18 -19 11.8 17.2 | -0.88 - 5.3 | 6.4/07.4  | 50514 |
| 2002 AD <sub>21</sub>  | 2003 09 12.3 | 23 20.19 +31 14.0 20.3 | -1.47 + 2.1 | 16.4/22.6 | 26117 |
| 2002 JU <sub>105</sub> | 2003 09 12.3 | 23 20.26 -06 17.6 19.7 | -0.84 - 5.3 | 0.6/11.7  | 31734 |
| 1999 XU <sub>70</sub>  | 2003 09 12.4 | 23 20.21 -03 01.0 18.4 | -0.78 - 5.6 | 0.4/12.8  | 50443 |
| 1998 FB <sub>35</sub>  | 2003 09 12.4 | 23 20.21 -03 24.9 19.8 | -0.88 - 6.6 | 0.3/12.7  | 31812 |
| 1999 TG <sub>27</sub>  | 2003 09 12.4 | 23 20.23 -17 42.6 18.1 | -0.98 - 1.7 | 5.3/08.4  | 50423 |
| 2002 JR <sub>16</sub>  | 2003 09 12.4 | 23 20.23 -15 44.9 19.9 | -0.80 - 6.8 | 4.0/08.4  | 50075 |
| 2000 VX <sub>55</sub>  | 2003 09 12.4 | 23 20.24 -12 21.4 17.0 | -0.99 - 2.5 | 4.0/10.1  | 49841 |
| 2000 EW <sub>27</sub>  | 2003 09 12.4 | 23 20.26 -23 05.1 18.6 | -0.69 - 9.1 | 5.8/04.9  | 50463 |
| 1999 UV <sub>49</sub>  | 2003 09 12.4 | 23 20.28 -15 02.2 19.6 | -0.85 - 5.4 | 3.6/08.8  | 12971 |
| 1999 VL <sub>63</sub>  | 2003 09 12.4 | 23 20.31 +11 08.8 18.1 | -0.81 - 6.9 | 5.9/17.8  | 40397 |
| 2001 EX <sub>10</sub>  | 2003 09 12.4 | 23 20.32 -07 24.0 18.8 | -0.67 - 6.9 | 0.8/11.3  | 50526 |
| 2002 JD <sub>17</sub>  | 2003 09 12.4 | 23 20.45 -13 08.0 19.2 | -0.95 - 7.1 | 3.2/09.5  | 32016 |
| 2001 BO <sub>40</sub>  | 2003 09 12.4 | 23 20.47 -00 38.7 20.9 | -0.85 - 5.5 | 1.1/13.6  | 11035 |
| 2002 EW <sub>68</sub>  | 2003 09 12.4 | 23 20.49 +00 21.9 19.4 | -0.85 - 8.4 | 1.7/14.1  | 50597 |
| 2002 FH <sub>13</sub>  | 2003 09 12.4 | 23 20.52 -07 28.6 20.2 | -0.94 - 5.0 | 1.1/11.5  | 31482 |
| 2002 JR <sub>117</sub> | 2003 09 12.4 | 23 20.52 -15 36.1 18.6 | -0.81 - 9.4 | 3.7/08.3  | 50611 |
| 1993 FB <sub>80</sub>  | 2003 09 12.4 | 23 20.62 -10 20.4 20.2 | -0.89 - 3.6 | 1.9/10.6  | 28934 |
| 1995 UR <sub>8</sub>   | 2003 09 12.4 | 23 20.64 -11 31.6 17.8 | -0.88 - 2.0 | 3.4/10.4  | 50373 |
| 2001 CF <sub>15</sub>  | 2003 09 12.5 | 23 20.61 -16 54.9 19.9 | -0.72 - 5.4 | 3.3/08.1  | 50521 |
| 2001 DU <sub>44</sub>  | 2003 09 12.5 | 23 20.63 -08 32.3 19.4 | -0.75 - 6.9 | 1.2/11.0  | 12299 |
| 2002 EO <sub>151</sub> | 2003 09 12.5 | 23 20.66 -05 03.9 19.8 | -0.94 - 6.7 | 0.3/12.3  | 30084 |
| 2002 GF <sub>121</sub> | 2003 09 12.5 | 23 20.67 -15 30.5 19.7 | -0.87 - 4.0 | 4.2/08.9  | 50063 |
| 1999 TJ <sub>131</sub> | 2003 09 12.5 | 23 20.74 -11 15.2 19.0 | -1.09 + 0.2 | 2.8/10.7  | 50426 |
| 2000 YX <sub>109</sub> | 2003 09 12.5 | 23 20.80 +03 00.3 17.8 | -0.94 - 2.6 | 3.3/14.7  | 49874 |
| 2000 YV <sub>91</sub>  | 2003 09 12.5 | 23 20.89 -09 15.9 18.5 | -0.93 - 5.9 | 1.8/10.9  | 49872 |
| 2000 WP <sub>190</sub> | 2003 09 12.5 | 23 20.95 +05 44.0 19.6 | -0.90 - 6.9 | 3.4/16.0  | 31927 |
| 1999 RE <sub>84</sub>  | 2003 09 12.5 | 23 20.99 -05 50.6 18.6 | -0.97 - 4.3 | 0.7/12.1  | 50416 |
| 2000 SE <sub>260</sub> | 2003 09 12.5 | 23 20.99 -16 26.7 18.7 | -0.97 - 6.5 | 5.0/08.5  | 50494 |
| 2000 XQ <sub>21</sub>  | 2003 09 12.5 | 23 21.00 -00 30.1 18.5 | -1.09 - 1.3 | 1.7/13.6  | 49857 |
| 1999 GV <sub>35</sub>  | 2003 09 12.5 | 23 21.00 +02 53.5 18.5 | -0.99 - 7.0 | 2.8/14.9  | 50407 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2002 JT <sub>14</sub>  | 2003 09 12.6 | 23 20.97 -10 58.8 19.8 | -0.82 - 5.3 | 2.3/10.4  | 50607 |
| 1993 TB <sub>26</sub>  | 2003 09 12.6 | 23 20.97 -10 12.3 16.9 | -0.79 - 4.9 | 2.0/10.6  | 38446 |
| 1999 VX <sub>94</sub>  | 2003 09 12.6 | 23 20.99 -01 52.3 19.1 | -0.83 - 5.7 | 0.8/13.4  | 11654 |
| 1999 XO <sub>228</sub> | 2003 09 12.6 | 23 21.00 -06 54.2 20.7 | -0.70 - 4.4 | 0.7/11.7  | 47836 |
| 1999 UF <sub>52</sub>  | 2003 09 12.6 | 23 21.02 -13 44.3 17.2 | -0.58 - 9.4 | 4.6/08.8  | 49736 |
| 2001 FA <sub>184</sub> | 2003 09 12.6 | 23 21.09 -08 35.7 19.7 | -0.76 - 3.7 | 1.2/11.2  | 27195 |
| 1999 TL <sub>29</sub>  | 2003 09 12.6 | 23 21.11 -02 54.9 18.7 | -0.85 - 4.6 | 0.5/13.0  | 50423 |
| 2000 YP <sub>73</sub>  | 2003 09 12.6 | 23 21.12 -15 50.5 18.6 | -0.83 - 8.4 | 5.2/08.4  | 50513 |
| 2001 FF <sub>13</sub>  | 2003 09 12.6 | 23 21.13 -05 58.5 20.4 | -0.71 - 4.9 | 0.5/12.0  | 13824 |
| 1999 TX <sub>29</sub>  | 2003 09 12.6 | 23 21.13 -06 19.0 18.3 | -0.91 - 3.0 | 1.0/12.0  | 50423 |
| 1999 VA <sub>66</sub>  | 2003 09 12.6 | 23 21.18 -12 00.4 18.9 | -0.84 - 4.6 | 3.0/10.1  | 50435 |
| 1999 RM <sub>186</sub> | 2003 09 12.6 | 23 21.19 -07 07.8 19.7 | -0.92 - 3.8 | 1.2/11.8  | 50420 |
| 2000 YY <sub>91</sub>  | 2003 09 12.6 | 23 21.24 -01 05.9 17.4 | -0.89 - 4.3 | 1.4/13.6  | 50514 |
| 1999 TS <sub>175</sub> | 2003 09 12.6 | 23 21.30 -06 48.4 18.4 | -0.90 - 3.2 | 0.9/11.9  | 49715 |
| 2000 ES <sub>121</sub> | 2003 09 12.6 | 23 21.30 -10 30.7 19.2 | -0.95 - 0.1 | 1.7/11.0  | 20759 |
| 2002 LD <sub>4</sub>   | 2003 09 12.6 | 23 21.32 -31 57.1 19.6 | -0.83 - 3.4 | 7.5/03.1  | 34011 |
| 1999 TG <sub>113</sub> | 2003 09 12.6 | 23 21.34 +00 44.8 18.0 | -0.80 - 2.4 | 2.5/14.2  | 50425 |
| 2002 DM <sub>10</sub>  | 2003 09 12.7 | 23 21.31 -01 37.3 19.9 | -0.99 - 5.1 | 1.0/13.5  | 48214 |
| 2001 BF <sub>34</sub>  | 2003 09 12.7 | 23 21.33 +00 47.9 19.0 | -0.87 - 3.6 | 1.6/14.2  | 50519 |
| 2001 EV <sub>23</sub>  | 2003 09 12.7 | 23 21.34 -03 40.0 21.5 | -0.73 - 4.7 | 0.1/12.9  | 48016 |
| 2000 AJ <sub>92</sub>  | 2003 09 12.7 | 23 21.35 +08 50.4 18.6 | -0.86 - 1.4 | 3.8/16.6  | 39573 |
| 2002 EB <sub>48</sub>  | 2003 09 12.7 | 23 21.38 -03 57.6 20.4 | -0.92 - 4.4 | 0.1/12.8  | 30709 |
| 2001 EH                | 2003 09 12.7 | 23 21.40 -03 50.4 20.9 | -0.81 - 6.9 | 0.1/12.8  | 48014 |
| 2002 EO <sub>153</sub> | 2003 09 12.7 | 23 21.49 -10 46.6 18.0 | -0.89 - 3.7 | 3.2/10.7  | 50600 |
| 2000 SK <sub>115</sub> | 2003 09 12.7 | 23 21.50 -11 34.8 18.4 | -1.09 - 2.6 | 3.4/10.7  | 50490 |
| 2000 UW <sub>29</sub>  | 2003 09 12.7 | 23 21.54 -31 08.1 19.1 | -1.30 + 0.6 | 8.8/05.5  | 9847  |
| 2000 BX <sub>37</sub>  | 2003 09 12.7 | 23 21.59 -12 51.9 19.8 | -0.71 - 5.0 | 2.3/09.8  | 50457 |
| 2000 JO <sub>2</sub>   | 2003 09 12.7 | 23 21.63 +00 47.5 17.6 | -0.73 -28.5 | 2.1/15.0  | 49799 |
| 1999 PC <sub>8</sub>   | 2003 09 12.7 | 23 21.65 -01 54.3 18.8 | -0.92 - 5.3 | 0.9/13.5  | 50413 |
| 1995 WU <sub>23</sub>  | 2003 09 12.8 | 23 21.69 -07 58.3 20.1 | -0.88 - 4.6 | 1.3/11.6  | 27584 |
| 2002 FM <sub>33</sub>  | 2003 09 12.8 | 23 21.76 -18 12.7 19.3 | -1.04 - 3.0 | 5.1/08.7  | 31989 |
| 1998 SZ <sub>78</sub>  | 2003 09 12.8 | 23 21.79 -02 35.6 19.3 | -0.77 - 5.2 | 0.5/13.3  | 50393 |
| 2002 GW <sub>164</sub> | 2003 09 12.8 | 23 21.81 -03 12.5 16.9 | -0.78 - 8.8 | 0.4/13.2  | 50068 |
| 1999 TF <sub>198</sub> | 2003 09 12.8 | 23 21.84 -01 48.1 18.2 | -0.83 - 2.7 | 1.0/13.6  | 50428 |
| 2000 AT <sub>27</sub>  | 2003 09 12.8 | 23 21.85 +01 42.2 19.0 | -0.77 - 3.4 | 1.6/14.7  | 13642 |
| 1999 JT <sub>116</sub> | 2003 09 12.8 | 23 21.86 -02 04.6 18.6 | -0.95 - 5.6 | 0.9/13.5  | 50410 |
| 1997 GS <sub>1</sub>   | 2003 09 12.8 | 23 21.88 -02 33.7 20.1 | -0.82 - 5.5 | 0.5/13.4  | 47710 |
| 1999 RY <sub>242</sub> | 2003 09 12.8 | 23 21.89 -19 58.8 17.6 | -0.94 - 0.8 | 7.4/08.3  | 50421 |
| 1999 VM <sub>1</sub>   | 2003 09 12.8 | 23 21.90 +15 47.6 20.0 | -0.84 - 5.7 | 7.7/19.6  | 8458  |
| 1993 FX <sub>41</sub>  | 2003 09 12.8 | 23 21.92 +02 18.7 18.8 | -0.73 -11.1 | 2.3/15.4  | 50368 |
| 1999 XK <sub>36</sub>  | 2003 09 12.8 | 23 21.96 -22 34.5 18.0 | -0.79 - 5.4 | 8.4/05.9  | 1549  |
| 2000 AZ <sub>53</sub>  | 2003 09 12.8 | 23 22.00 +06 49.2 17.6 | -0.81 - 2.8 | 3.6/16.3  | 50451 |
| 1999 UP <sub>28</sub>  | 2003 09 12.8 | 23 22.01 -05 00.4 19.5 | -0.83 - 6.0 | 0.3/12.6  | 30329 |
| 2000 WL <sub>11</sub>  | 2003 09 12.8 | 23 22.02 +04 21.5 19.2 | -0.84 - 3.7 | 2.4/15.6  | 13796 |
| 1999 VO <sub>87</sub>  | 2003 09 12.8 | 23 22.10 -26 57.4 19.3 | -0.99 - 2.5 | 7.8/05.5  | 12996 |
| 2002 GT <sub>107</sub> | 2003 09 12.9 | 23 22.01 -26 55.2 18.2 | -1.03 - 0.3 | 9.2/06.4  | 50604 |
| 2002 CQ <sub>248</sub> | 2003 09 12.9 | 23 22.04 -12 09.0 18.7 | -1.04 - 3.9 | 3.4/10.5  | 41764 |
| 2003 OE <sub>3</sub>   | 2003 09 12.9 | 23 22.10 -00 46.0 19.3 | -0.93 - 5.8 | 1.4/14.0  | 50247 |
| 1999 VR <sub>187</sub> | 2003 09 12.9 | 23 22.15 -09 28.1 18.6 | -0.75 - 6.1 | 2.4/11.1  | 49750 |
| 1999 VF <sub>10</sub>  | 2003 09 12.9 | 23 22.17 -30 45.6 17.0 | -0.76 - 5.2 | 12.1/01.7 | 50433 |
| 2002 LJ <sub>57</sub>  | 2003 09 12.9 | 23 22.20 +01 10.8 19.4 | -0.78 - 6.5 | 1.8/14.8  | 50613 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1998 WS <sub>37</sub>  | 2003 09 12.9 | 23 22.30 | -13 55.8 | 19.2 | -0.76 | - 3.6 | 2.8/09.7  | 50399 |
| 2000 YR <sub>43</sub>  | 2003 09 12.9 | 23 22.34 | -01 47.0 | 19.7 | -0.94 | - 6.3 | 1.0/13.7  | 9899  |
| 2002 JR <sub>80</sub>  | 2003 09 12.9 | 23 22.34 | -07 33.6 | 19.4 | -0.86 | - 4.6 | 1.3/11.9  | 31716 |
| 1994 BL <sub>2</sub>   | 2003 09 12.9 | 23 22.40 | -00 48.0 | 18.3 | -0.89 | - 5.1 | 1.5/14.0  | 50370 |
| 2002 EN <sub>92</sub>  | 2003 09 12.9 | 23 22.42 | +01 37.7 | 19.0 | -0.85 | - 7.6 | 2.1/15.0  | 50598 |
| 1999 XB <sub>145</sub> | 2003 09 13.0 | 23 22.39 | +05 56.1 | 19.1 | -0.77 | - 6.6 | 3.9/16.5  | 31312 |
| 2000 WM <sub>53</sub>  | 2003 09 13.0 | 23 22.40 | +01 06.5 | 21.1 | -0.91 | - 6.2 | 1.7/14.7  | 31923 |
| 2002 JS <sub>28</sub>  | 2003 09 13.0 | 23 22.45 | +00 13.3 | 19.6 | -0.83 | - 6.4 | 1.4/14.5  | 50608 |
| 2000 SF <sub>296</sub> | 2003 09 13.0 | 23 22.49 | +28 58.5 | 18.7 | -0.94 | - 5.6 | 10.4/25.3 | 50495 |
| 2000 AF <sub>108</sub> | 2003 09 13.0 | 23 22.51 | -03 24.0 | 17.6 | -0.76 | - 5.6 | 0.2/13.3  | 50453 |
| 1998 WL <sub>29</sub>  | 2003 09 13.0 | 23 22.53 | -06 04.8 | 20.1 | -0.76 | - 4.6 | 0.7/12.4  | 49661 |
| 2000 YW <sub>7</sub>   | 2003 09 13.0 | 23 22.58 | -09 57.5 | 17.5 | -1.00 | - 1.8 | 2.6/11.4  | 50511 |
| 2002 JX <sub>32</sub>  | 2003 09 13.0 | 23 22.65 | -13 22.0 | 19.3 | -0.76 | - 4.0 | 2.9/10.0  | 50608 |
| 2002 FK <sub>33</sub>  | 2003 09 13.0 | 23 22.68 | -16 44.1 | 18.8 | -0.99 | - 6.7 | 5.1/08.9  | 50601 |
| 1998 SH <sub>96</sub>  | 2003 09 13.0 | 23 22.68 | -14 23.3 | 18.0 | -0.87 | - 2.2 | 3.6/09.9  | 31833 |
| 2000 YD <sub>18</sub>  | 2003 09 13.0 | 23 22.68 | -06 10.9 | 18.4 | -0.83 | - 9.9 | 0.9/12.3  | 50511 |
| 1999 VA <sub>150</sub> | 2003 09 13.0 | 23 22.69 | +01 07.2 | 18.4 | -0.81 | - 5.7 | 2.0/14.8  | 50438 |
| 2002 JH <sub>69</sub>  | 2003 09 13.0 | 23 22.71 | -22 05.7 | 19.1 | -0.85 | - 4.6 | 6.6/07.0  | 32024 |
| 2000 AR <sub>69</sub>  | 2003 09 13.0 | 23 22.78 | -27 46.9 | 18.6 | -0.75 | - 4.4 | 5.8/04.6  | 33854 |
| 2000 YN <sub>10</sub>  | 2003 09 13.1 | 23 22.76 | -07 15.7 | 20.3 | -0.94 | - 7.7 | 1.2/12.0  | 29626 |
| 2001 FK <sub>33</sub>  | 2003 09 13.1 | 23 22.76 | -03 13.8 | 19.6 | -0.72 | - 6.2 | 0.2/13.4  | 48019 |
| 2002 LF <sub>45</sub>  | 2003 09 13.1 | 23 22.83 | -08 04.6 | 18.9 | -0.77 | - 4.3 | 1.4/11.8  | 33624 |
| 1999 TJ <sub>279</sub> | 2003 09 13.1 | 23 22.83 | +18 58.8 | 18.8 | -0.90 | - 3.1 | 7.6/20.8  | 50431 |
| 1999 VO <sub>102</sub> | 2003 09 13.1 | 23 22.84 | -02 33.6 | 19.7 | -0.81 | - 5.4 | 0.5/13.6  | 47822 |
| 2000 AG <sub>242</sub> | 2003 09 13.1 | 23 22.85 | +18 17.2 | 19.5 | -0.75 | - 3.9 | 5.7/20.9  | 40444 |
| 2002 EW <sub>91</sub>  | 2003 09 13.1 | 23 22.85 | -04 05.8 | 18.8 | -0.96 | - 3.5 | 0.0/13.1  | 50032 |
| 1998 SR <sub>15</sub>  | 2003 09 13.1 | 23 22.86 | -02 39.4 | 19.9 | -0.77 | - 5.0 | 0.4/13.6  | 31829 |
| 2002 JW <sub>104</sub> | 2003 09 13.1 | 23 22.92 | -04 01.2 | 20.1 | -0.76 | - 4.9 | 0.0/13.1  | 48236 |
| 1999 VC <sub>68</sub>  | 2003 09 13.1 | 23 22.96 | -22 16.0 | 18.1 | -0.91 | - 2.8 | 7.5/07.2  | 1526  |
| 2002 EA <sub>11</sub>  | 2003 09 13.1 | 23 23.00 | -01 24.2 | 19.2 | -0.91 | - 5.8 | 0.9/14.0  | 48216 |
| 4175 T-2               | 2003 09 13.1 | 23 23.01 | -13 08.2 | 17.3 | -1.10 | + 2.2 | 4.8/11.0  | 50811 |
| 2000 AB <sub>50</sub>  | 2003 09 13.1 | 23 23.01 | +09 43.8 | 18.9 | -0.79 | - 3.5 | 4.2/17.6  | 50451 |
| 2001 CV <sub>30</sub>  | 2003 09 13.1 | 23 23.04 | -13 32.9 | 18.8 | -0.85 | - 2.1 | 2.7/10.3  | 50522 |
| 1999 XN <sub>89</sub>  | 2003 09 13.1 | 23 23.05 | -05 37.0 | 19.3 | -0.76 | - 5.8 | 0.6/12.6  | 50443 |
| 2000 CS <sub>106</sub> | 2003 09 13.1 | 23 23.06 | +12 01.9 | 20.1 | -0.73 | - 6.0 | 4.4/18.9  | 18233 |
| 1999 TB <sub>97</sub>  | 2003 09 13.1 | 23 23.07 | -17 12.4 | 18.4 | -0.77 | - 7.7 | 5.4/08.3  | 50425 |
| 1999 VS <sub>43</sub>  | 2003 09 13.1 | 23 23.09 | -08 08.8 | 18.2 | -0.87 | - 4.2 | 1.7/11.9  | 50434 |
| 1998 SS <sub>147</sub> | 2003 09 13.1 | 23 23.10 | -30 16.2 | 18.4 | -0.93 | - 0.3 | 7.2/05.1  | 13581 |
| 1998 TY <sub>15</sub>  | 2003 09 13.1 | 23 23.11 | +19 06.9 | 19.7 | -0.69 | - 6.6 | 5.8/21.9  | 31838 |
| 1999 TK <sub>230</sub> | 2003 09 13.1 | 23 23.13 | +06 34.8 | 18.7 | -0.75 | - 8.8 | 3.7/17.1  | 50429 |
| 2002 EO <sub>86</sub>  | 2003 09 13.1 | 23 23.14 | -11 24.3 | 19.2 | -0.96 | - 4.6 | 2.6/10.9  | 50029 |
| 2001 DD <sub>27</sub>  | 2003 09 13.2 | 23 23.08 | -03 33.2 | 19.2 | -0.85 | - 4.0 | 0.1/13.3  | 12296 |
| 2003 QJ <sub>36</sub>  | 2003 09 13.2 | 23 23.15 | -03 53.7 | 17.8 | -0.66 | - 9.4 | 0.0/13.2  | 50306 |
| 1999 XY <sub>88</sub>  | 2003 09 13.2 | 23 23.21 | -20 15.1 | 18.3 | -0.75 | - 5.2 | 4.9/07.5  | 30340 |
| 2001 DC <sub>12</sub>  | 2003 09 13.2 | 23 23.28 | -11 27.1 | 18.6 | -0.78 | - 6.2 | 2.7/10.7  | 50523 |
| 1999 RL <sub>57</sub>  | 2003 09 13.2 | 23 23.31 | -09 00.4 | 19.5 | -0.94 | - 3.3 | 1.9/11.7  | 50415 |
| 1999 UB <sub>44</sub>  | 2003 09 13.2 | 23 23.35 | +01 50.5 | 19.1 | -0.81 | - 4.8 | 1.8/15.2  | 50432 |
| 1999 VA <sub>10</sub>  | 2003 09 13.2 | 23 23.35 | -18 04.1 | 18.4 | -1.11 | 0.0   | 6.0/09.4  | 50433 |
| 1982 SH <sub>1</sub>   | 2003 09 13.2 | 23 23.38 | +09 47.9 | 18.4 | -0.70 | -26.2 | 6.1/19.6  | 50366 |
| 1999 TH <sub>272</sub> | 2003 09 13.2 | 23 23.39 | -03 22.0 | 18.3 | -1.02 | + 1.3 | 0.3/13.4  | 49726 |
| 1998 HR <sub>127</sub> | 2003 09 13.2 | 23 23.41 | +01 31.0 | 20.4 | -0.85 | - 7.5 | 1.8/15.2  | 31816 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 AP <sub>13</sub>  | 2003 09 13.2 | 23 23.45 | -15 07.3 | 19.7 | -0.80 | - 6.2 | 3.5/09.4  | 50516 |
| 2002 JE <sub>7</sub>   | 2003 09 13.2 | 23 23.52 | -15 00.0 | 19.6 | -0.86 | - 5.5 | 3.8/09.6  | 50607 |
| 2002 JS <sub>121</sub> | 2003 09 13.3 | 23 23.44 | -02 39.9 | 19.0 | -0.81 | -10.3 | 0.4/13.8  | 31745 |
| 1998 BY <sub>38</sub>  | 2003 09 13.3 | 23 23.48 | -01 23.2 | 19.4 | -0.98 | - 5.2 | 1.1/14.1  | 30260 |
| 2000 YH <sub>125</sub> | 2003 09 13.3 | 23 23.50 | -00 51.3 | 19.4 | -1.05 | - 2.2 | 1.1/14.2  | 50515 |
| 1998 UD <sub>17</sub>  | 2003 09 13.3 | 23 23.56 | +09 17.2 | 18.3 | -0.75 | - 4.3 | 3.9/17.8  | 50397 |
| 2000 AG <sub>166</sub> | 2003 09 13.3 | 23 23.59 | +38 56.3 | 18.0 | -0.88 | - 1.7 | 11.8/01.8 | 49781 |
| 2001 DT <sub>2</sub>   | 2003 09 13.3 | 23 23.60 | -06 52.2 | 17.7 | -0.74 | - 5.4 | 1.0/12.3  | 50523 |
| 1998 TS <sub>19</sub>  | 2003 09 13.3 | 23 23.60 | -02 42.5 | 19.3 | -0.76 | - 5.3 | 0.4/13.7  | 50396 |
| 2002 GS <sub>44</sub>  | 2003 09 13.3 | 23 23.62 | -01 32.9 | 21.2 | -0.88 | - 6.4 | 0.8/14.1  | 33546 |
| 2002 CB <sub>14</sub>  | 2003 09 13.3 | 23 23.62 | -07 55.7 | 19.9 | -0.93 | - 7.8 | 1.4/12.0  | 30638 |
| 2000 AT <sub>141</sub> | 2003 09 13.3 | 23 23.66 | -04 12.8 | 18.1 | -0.67 | - 7.4 | 0.1/13.2  | 50453 |
| 2000 AH <sub>247</sub> | 2003 09 13.3 | 23 23.68 | -04 01.1 | 19.4 | -0.82 | - 2.7 | 0.0/13.3  | 17144 |
| 2002 CG <sub>240</sub> | 2003 09 13.3 | 23 23.70 | +02 17.6 | 18.4 | -0.91 | - 6.7 | 2.6/15.4  | 50594 |
| 1996 HC <sub>18</sub>  | 2003 09 13.3 | 23 23.75 | -04 47.0 | 19.3 | -0.72 | - 4.8 | 0.2/13.1  | 50375 |
| 2001 AW <sub>32</sub>  | 2003 09 13.3 | 23 23.84 | -03 17.1 | 19.1 | -1.04 | - 3.1 | 0.3/13.6  | 50517 |
| 2001 CY <sub>16</sub>  | 2003 09 13.4 | 23 23.84 | -16 59.7 | 20.0 | -0.79 | - 6.6 | 4.2/08.8  | 50521 |
| 1999 TP <sub>121</sub> | 2003 09 13.4 | 23 23.85 | -04 07.6 | 18.1 | -0.75 | - 7.7 | 0.1/13.3  | 50426 |
| 2003 QK <sub>79</sub>  | 2003 09 13.4 | 23 23.85 | +01 14.2 | 19.8 | -0.92 | - 1.5 | 1.9/14.9  | 50323 |
| 1994 QF                | 2003 09 13.4 | 23 23.86 | +03 56.0 | 18.0 | -1.04 | + 1.1 | 3.4/15.3  | 49638 |
| 2002 LT <sub>32</sub>  | 2003 09 13.4 | 23 23.89 | -23 42.0 | 17.9 | -0.70 | - 7.8 | 6.3/05.8  | 50094 |
| 2000 CB <sub>24</sub>  | 2003 09 13.4 | 23 23.92 | -00 02.1 | 19.5 | -0.72 | - 4.1 | 1.1/14.7  | 2734  |
| 1998 UA <sub>17</sub>  | 2003 09 13.4 | 23 23.95 | +03 07.2 | 17.8 | -0.86 | -22.2 | 2.9/16.4  | 50397 |
| 2000 WQ <sub>37</sub>  | 2003 09 13.4 | 23 23.96 | -16 12.9 | 20.1 | -0.96 | - 7.2 | 5.0/09.2  | 9871  |
| 2000 YJ <sub>105</sub> | 2003 09 13.4 | 23 23.97 | -14 08.1 | 18.1 | -0.94 | - 5.3 | 3.6/10.1  | 50514 |
| 1999 XD <sub>116</sub> | 2003 09 13.4 | 23 24.04 | +00 26.8 | 17.9 | -0.94 | - 2.9 | 1.8/14.7  | 49763 |
| 2001 FH <sub>148</sub> | 2003 09 13.4 | 23 24.07 | +12 10.0 | 19.9 | -0.83 | - 7.5 | 5.3/19.1  | 13844 |
| 2002 GV <sub>17</sub>  | 2003 09 13.4 | 23 24.13 | -21 57.8 | 19.8 | -0.96 | - 2.9 | 5.7/07.9  | 31992 |
| 1999 XS <sub>62</sub>  | 2003 09 13.4 | 23 24.19 | +01 40.2 | 19.2 | -0.78 | - 6.0 | 2.1/15.4  | 50443 |
| 1996 FC <sub>4</sub>   | 2003 09 13.4 | 23 24.22 | -04 58.0 | 19.6 | -0.77 | - 4.6 | 0.3/13.1  | 34694 |
| 1995 SM <sub>10</sub>  | 2003 09 13.4 | 23 24.22 | +00 16.5 | 19.3 | -0.75 | -12.6 | 1.5/15.1  | 30248 |
| 2002 JR <sub>73</sub>  | 2003 09 13.4 | 23 24.23 | +01 41.0 | 19.9 | -0.76 | - 7.7 | 1.6/15.5  | 32025 |
| 2002 AG <sub>154</sub> | 2003 09 13.5 | 23 24.18 | -03 05.0 | 18.1 | -0.98 | - 5.4 | 0.3/13.7  | 50587 |
| 1996 XS <sub>35</sub>  | 2003 09 13.5 | 23 24.22 | -01 32.8 | 20.1 | -0.91 | - 5.7 | 0.8/14.3  | 47708 |
| 2002 CF <sub>33</sub>  | 2003 09 13.5 | 23 24.23 | -23 08.9 | 19.3 | -0.93 | - 6.7 | 7.0/07.0  | 30642 |
| 2002 CB <sub>232</sub> | 2003 09 13.5 | 23 24.23 | -24 57.4 | 18.2 | -1.12 | + 2.4 | 6.8/08.5  | 50594 |
| 2002 GL <sub>168</sub> | 2003 09 13.5 | 23 24.23 | -02 42.9 | 19.2 | -1.04 | - 3.6 | 0.5/13.8  | 35186 |
| 1999 TF <sub>187</sub> | 2003 09 13.5 | 23 24.28 | +15 00.4 | 18.9 | -0.85 | - 4.7 | 6.0/19.9  | 50428 |
| 2003 QS <sub>36</sub>  | 2003 09 13.5 | 23 24.28 | -02 33.1 | 18.3 | -1.00 | - 1.4 | 0.6/13.9  | 50306 |
| 1999 RV <sub>188</sub> | 2003 09 13.5 | 23 24.29 | -05 45.7 | 18.3 | -0.76 | -12.0 | 0.7/12.8  | 50420 |
| 2003 QU <sub>81</sub>  | 2003 09 13.5 | 23 24.34 | -07 55.2 | 18.2 | -0.67 | - 8.4 | 1.4/12.0  | 50323 |
| 2002 CZ <sub>227</sub> | 2003 09 13.5 | 23 24.40 | -01 37.8 | 19.3 | -0.87 | -10.4 | 0.8/14.3  | 48210 |
| 1995 WE <sub>20</sub>  | 2003 09 13.5 | 23 24.42 | -27 29.8 | 19.7 | -0.91 | - 3.8 | 7.4/05.5  | 31806 |
| 1999 VX <sub>223</sub> | 2003 09 13.5 | 23 24.45 | +02 14.7 | 19.3 | -0.75 | - 7.2 | 1.9/15.7  | 50440 |
| 2001 BV <sub>39</sub>  | 2003 09 13.5 | 23 24.46 | -04 09.5 | 18.6 | -0.88 | - 1.1 | 0.1/13.5  | 50519 |
| 2002 GK <sub>87</sub>  | 2003 09 13.5 | 23 24.48 | -12 59.0 | 19.1 | -0.87 | - 5.4 | 3.3/10.6  | 50604 |
| 2002 JY <sub>43</sub>  | 2003 09 13.5 | 23 24.49 | +01 00.8 | 18.7 | -0.97 | - 4.9 | 1.7/15.1  | 32020 |
| 1998 TK <sub>9</sub>   | 2003 09 13.5 | 23 24.54 | -09 49.2 | 18.6 | -0.75 | - 3.6 | 1.6/11.6  | 50396 |
| 2001 CB <sub>30</sub>  | 2003 09 13.5 | 23 24.54 | -09 53.5 | 19.2 | -0.90 | - 3.9 | 1.9/11.7  | 50522 |
| 1999 TN <sub>255</sub> | 2003 09 13.6 | 23 24.53 | -02 24.9 | 19.2 | -0.84 | - 6.4 | 0.5/14.1  | 50430 |
| 1998 RV <sub>5</sub>   | 2003 09 13.6 | 23 24.53 | -17 40.7 | 18.2 | -0.87 | - 2.4 | 4.5/09.3  | 50389 |

2003 SEPT. 10

M.P.C. 49707

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 TX <sub>108</sub> | 2003 09 13.6 | 23 24.55 +04 38.0 18.7 | -0.87 - 6.4 | 3.2/16.0  | 50425 |
| 2001 CP <sub>27</sub>  | 2003 09 13.6 | 23 24.62 -22 08.0 19.4 | -0.87 - 5.1 | 5.7/07.3  | 50521 |
| 2000 AH <sub>104</sub> | 2003 09 13.6 | 23 24.66 +06 01.1 17.7 | -0.69 - 8.1 | 4.3/17.3  | 49779 |
| 1999 TW <sub>82</sub>  | 2003 09 13.6 | 23 24.78 -07 47.5 19.6 | -0.86 - 4.7 | 1.7/12.4  | 50424 |
| 2000 WP <sub>76</sub>  | 2003 09 13.6 | 23 24.82 -13 46.4 18.3 | -1.03 - 3.0 | 4.1/10.8  | 50506 |
| 2002 GY <sub>150</sub> | 2003 09 13.6 | 23 24.86 -16 00.7 18.1 | -0.94 - 0.3 | 4.8/10.3  | 50605 |
| 2000 WY <sub>20</sub>  | 2003 09 13.6 | 23 24.86 -17 33.3 19.5 | -0.94 - 5.9 | 5.3/09.1  | 50504 |
| 2002 LL <sub>30</sub>  | 2003 09 13.6 | 23 24.88 -12 08.4 19.1 | -0.79 - 8.6 | 2.8/10.7  | 31783 |
| 2002 GA <sub>15</sub>  | 2003 09 13.6 | 23 24.88 -04 51.0 19.3 | -0.93 - 6.6 | 0.4/13.3  | 30137 |
| 4509 P-L               | 2003 09 13.6 | 23 24.92 -03 01.7 19.0 | -0.70 - 5.7 | 0.2/14.0  | 34057 |
| 2003 QW <sub>55</sub>  | 2003 09 13.7 | 23 24.87 -16 48.0 17.2 | -0.59 -11.4 | 6.0/08.2  | 50314 |
| 2000 DY <sub>15</sub>  | 2003 09 13.7 | 23 24.88 -07 15.6 18.0 | -0.74 - 4.5 | 1.0/12.5  | 50460 |
| 1998 QM <sub>88</sub>  | 2003 09 13.7 | 23 24.89 +10 51.7 18.2 | -0.76 - 6.9 | 5.3/18.9  | 50389 |
| 1999 TC <sub>54</sub>  | 2003 09 13.7 | 23 24.92 -01 56.8 18.9 | -0.84 - 5.0 | 0.6/14.3  | 50424 |
| 2001 GR <sub>5</sub>   | 2003 09 13.7 | 23 25.00 +06 19.7 19.0 | -0.66 - 8.9 | 3.1/17.6  | 50532 |
| 1997 MH <sub>9</sub>   | 2003 09 13.7 | 23 25.02 +03 13.5 19.5 | -0.76 - 3.7 | 2.3/16.0  | 14752 |
| 2001 CK <sub>39</sub>  | 2003 09 13.7 | 23 25.09 -09 30.8 20.3 | -0.92 - 2.9 | 1.7/12.0  | 17548 |
| 2001 DP <sub>64</sub>  | 2003 09 13.7 | 23 25.11 -08 12.7 18.9 | -0.76 - 9.1 | 1.4/12.1  | 13815 |
| 2002 GA <sub>106</sub> | 2003 09 13.7 | 23 25.13 -26 31.4 19.7 | -1.00 - 2.2 | 7.4/06.9  | 32005 |
| 1999 VK <sub>87</sub>  | 2003 09 13.7 | 23 25.14 -08 28.0 20.0 | -0.90 - 3.9 | 1.5/12.3  | 50436 |
| 2001 AC <sub>16</sub>  | 2003 09 13.7 | 23 25.16 -05 07.2 19.0 | -0.89 - 7.0 | 0.5/13.3  | 50516 |
| 2001 FH <sub>162</sub> | 2003 09 13.7 | 23 25.16 -03 54.9 20.5 | -0.75 - 4.4 | 0.0/13.7  | 48026 |
| 1999 TE <sub>217</sub> | 2003 09 13.7 | 23 25.17 -09 55.1 18.0 | -0.85 - 4.4 | 2.0/11.8  | 50429 |
| 2001 AA <sub>24</sub>  | 2003 09 13.7 | 23 25.18 -50 34.2 16.9 | -0.84 - 2.9 | 20.7/27.0 | 50516 |
| 1998 XW <sub>27</sub>  | 2003 09 13.7 | 23 25.20 -02 42.2 17.3 | -0.84 - 1.6 | 0.3/14.1  | 50400 |
| 2000 CP <sub>35</sub>  | 2003 09 13.7 | 23 25.20 +00 16.4 18.7 | -0.72 - 4.8 | 1.1/15.1  | 2735  |
| 2002 GH <sub>102</sub> | 2003 09 13.7 | 23 25.22 -12 04.8 18.5 | -0.76 - 7.5 | 2.8/10.8  | 50059 |
| 2002 GE <sub>35</sub>  | 2003 09 13.7 | 23 25.22 -16 15.6 20.0 | -0.96 - 6.0 | 4.8/09.7  | 48227 |
| 2001 CP <sub>40</sub>  | 2003 09 13.7 | 23 25.24 -24 49.0 18.2 | -1.02 - 2.6 | 8.0/07.0  | 33896 |
| 2001 BA <sub>7</sub>   | 2003 09 13.7 | 23 25.26 -10 51.9 19.8 | -0.83 - 4.8 | 2.3/11.5  | 31935 |
| 2003 QT <sub>75</sub>  | 2003 09 13.7 | 23 25.28 -01 43.0 16.9 | -0.52 -16.1 | 0.9/14.7  | 50322 |
| 1997 GE <sub>10</sub>  | 2003 09 13.7 | 23 25.28 -02 30.3 21.2 | -0.77 - 6.5 | 0.4/14.2  | 31222 |
| 1999 RN <sub>88</sub>  | 2003 09 13.7 | 23 25.28 -01 20.9 17.9 | -0.94 - 4.5 | 0.9/14.5  | 50416 |
| 1999 VR <sub>190</sub> | 2003 09 13.7 | 23 25.29 +17 52.5 18.5 | -0.77 - 6.8 | 8.5/21.8  | 1542  |
| 2001 BP <sub>73</sub>  | 2003 09 13.7 | 23 25.30 +09 11.3 19.0 | -0.84 - 8.1 | 4.5/18.4  | 10733 |
| 2002 GZ <sub>81</sub>  | 2003 09 13.7 | 23 25.31 -15 05.6 18.9 | -0.90 - 4.5 | 4.2/10.2  | 31552 |
| 2000 YJ <sub>47</sub>  | 2003 09 13.7 | 23 25.31 -09 58.1 18.8 | -0.86 - 7.0 | 2.4/11.7  | 49865 |
| 1999 VA <sub>6</sub>   | 2003 09 13.8 | 23 25.24 +14 00.5 19.2 | -0.80 - 6.7 | 6.0/20.1  | 47818 |
| 2002 JP <sub>144</sub> | 2003 09 13.8 | 23 25.26 -09 58.0 19.7 | -0.75 - 8.5 | 1.9/11.5  | 50611 |
| 2000 YP <sub>38</sub>  | 2003 09 13.8 | 23 25.33 +04 22.1 18.0 | -0.82 - 6.1 | 3.8/16.6  | 50512 |
| 2001 DX <sub>103</sub> | 2003 09 13.8 | 23 25.34 -04 43.7 21.3 | -0.75 - 4.3 | 0.3/13.5  | 18313 |
| 2000 SX <sub>339</sub> | 2003 09 13.8 | 23 25.38 +00 56.0 18.8 | -0.97 - 5.9 | 2.1/15.3  | 31339 |
| 2000 WO <sub>116</sub> | 2003 09 13.8 | 23 25.48 +11 39.4 19.6 | -0.93 - 4.2 | 4.9/18.8  | 9878  |
| 1999 VV <sub>196</sub> | 2003 09 13.8 | 23 25.52 +06 46.8 17.6 | -0.55 -15.4 | 4.4/18.5  | 50439 |
| 1999 XR <sub>115</sub> | 2003 09 13.8 | 23 25.54 +21 23.7 18.5 | -0.83 - 5.0 | 9.2/23.1  | 50444 |
| 2002 JU <sub>77</sub>  | 2003 09 13.8 | 23 25.56 -12 37.7 19.8 | -0.98 - 3.5 | 3.3/11.2  | 50610 |
| 2001 DC <sub>27</sub>  | 2003 09 13.8 | 23 25.58 -04 13.5 19.6 | -0.82 - 4.2 | 0.2/13.7  | 50523 |
| 2001 DX <sub>5</sub>   | 2003 09 13.8 | 23 25.62 -14 42.1 19.6 | -0.80 - 2.7 | 3.0/10.5  | 11855 |
| 2001 BB <sub>56</sub>  | 2003 09 13.8 | 23 25.67 -06 40.9 19.9 | -0.87 - 5.2 | 1.0/12.9  | 27764 |
| 1993 FC <sub>41</sub>  | 2003 09 13.9 | 23 25.59 -00 54.0 19.1 | -0.77 - 8.1 | 0.8/14.9  | 31803 |
| 2000 YF <sub>7</sub>   | 2003 09 13.9 | 23 25.61 -09 59.1 19.0 | -0.98 - 5.7 | 2.6/11.9  | 50511 |

|                        |              |                        |             |          |       |
|------------------------|--------------|------------------------|-------------|----------|-------|
| 2000 SM <sub>145</sub> | 2003 09 13.9 | 23 25.63 +00 23.8 19.5 | -0.96 - 7.6 | 1.7/15.3 | 50491 |
| 2002 GW <sub>18</sub>  | 2003 09 13.9 | 23 25.71 +11 13.2 19.7 | -0.79 - 9.5 | 5.2/19.6 | 31992 |
| 2000 WH <sub>69</sub>  | 2003 09 13.9 | 23 25.72 -07 04.1 18.8 | -1.04 - 3.2 | 1.1/13.0 | 50505 |
| 2000 SB <sub>193</sub> | 2003 09 13.9 | 23 25.74 -04 55.5 19.3 | -0.99 - 6.6 | 0.5/13.5 | 50493 |
| 2002 GV <sub>93</sub>  | 2003 09 13.9 | 23 25.74 +00 11.1 18.2 | -0.92 - 4.1 | 1.3/15.1 | 32003 |
| 2002 GY <sub>134</sub> | 2003 09 13.9 | 23 25.75 -15 03.4 20.5 | -1.04 - 0.3 | 4.2/10.9 | 48230 |
| 2002 JO <sub>14</sub>  | 2003 09 13.9 | 23 25.77 -23 54.1 20.0 | -0.80 - 7.1 | 6.2/06.6 | 50607 |
| 2001 BW <sub>76</sub>  | 2003 09 13.9 | 23 25.84 -02 20.7 19.2 | -0.74 - 5.5 | 0.4/14.4 | 50520 |
| 2001 FL <sub>102</sub> | 2003 09 13.9 | 23 25.85 +07 06.0 19.2 | -0.77 - 3.7 | 3.3/17.5 | 12070 |
| 1999 JJ <sub>42</sub>  | 2003 09 13.9 | 23 25.86 -14 58.8 18.4 | -0.92 - 2.7 | 5.6/10.6 | 47779 |
| 1978 VS <sub>3</sub>   | 2003 09 13.9 | 23 25.86 +05 09.2 19.6 | -0.92 - 6.5 | 3.4/16.9 | 50365 |
| 2001 DA <sub>67</sub>  | 2003 09 13.9 | 23 25.88 -01 55.5 18.9 | -0.84 - 3.2 | 0.6/14.5 | 50524 |
| 1999 YT <sub>17</sub>  | 2003 09 13.9 | 23 25.88 +01 09.7 17.9 | -1.78 +13.2 | 2.5/14.4 | 2707  |
| 1999 JM <sub>44</sub>  | 2003 09 13.9 | 23 25.92 +03 13.4 19.2 | -0.96 - 6.5 | 2.8/16.2 | 50408 |
| 2003 QZ <sub>55</sub>  | 2003 09 14.0 | 23 26.07 -14 35.2 18.5 | -0.79 - 8.7 | 5.1/10.0 | 50314 |
| 1999 TJ <sub>253</sub> | 2003 09 14.0 | 23 26.08 -18 07.4 18.1 | -0.92 - 4.9 | 6.1/09.1 | 2672  |
| 2002 CJ <sub>170</sub> | 2003 09 14.0 | 23 26.11 -07 55.3 19.0 | -1.01 - 4.0 | 1.6/12.8 | 30675 |
| 2002 JF <sub>48</sub>  | 2003 09 14.0 | 23 26.20 -15 23.5 19.0 | -0.96 - 3.2 | 3.8/10.5 | 50609 |
| 2002 CZ <sub>51</sub>  | 2003 09 14.0 | 23 26.25 -06 04.4 19.7 | -0.90 - 9.6 | 1.0/13.2 | 30646 |
| 2000 YH <sub>121</sub> | 2003 09 14.0 | 23 26.29 +01 33.7 18.5 | -0.86 - 5.0 | 1.6/15.8 | 13802 |
| 2000 XK <sub>26</sub>  | 2003 09 14.1 | 23 26.31 -06 12.2 18.1 | -1.02 - 4.2 | 1.0/13.3 | 50510 |
| 2001 FG <sub>15</sub>  | 2003 09 14.1 | 23 26.32 -02 55.4 19.0 | -0.70 - 4.9 | 0.2/14.3 | 50527 |
| 2001 CR <sub>33</sub>  | 2003 09 14.1 | 23 26.34 -32 52.3 18.6 | -0.88 - 1.6 | 7.9/04.5 | 50522 |
| 1998 FS <sub>20</sub>  | 2003 09 14.1 | 23 26.43 -08 37.7 20.2 | -0.90 - 6.0 | 1.7/12.5 | 47725 |
| 2002 JZ <sub>52</sub>  | 2003 09 14.1 | 23 26.46 -08 22.9 19.6 | -1.03 - 4.0 | 1.8/12.7 | 50609 |
| 2000 CU <sub>64</sub>  | 2003 09 14.1 | 23 26.46 +01 37.4 18.1 | -0.86 - 1.5 | 1.9/15.7 | 50458 |
| 2001 DX <sub>69</sub>  | 2003 09 14.1 | 23 26.49 -02 22.2 20.0 | -0.70 - 4.7 | 0.3/14.6 | 50525 |
| 2000 WK <sub>147</sub> | 2003 09 14.1 | 23 26.49 -14 06.7 18.7 | -0.95 - 2.1 | 5.4/11.1 | 49852 |
| 2001 FC <sub>4</sub>   | 2003 09 14.1 | 23 26.56 -11 21.6 18.2 | -0.70 - 7.7 | 2.3/11.3 | 50527 |
| 2001 FZ <sub>24</sub>  | 2003 09 14.1 | 23 26.69 -03 15.5 20.1 | -0.75 - 6.6 | 0.1/14.3 | 48018 |
| 1999 TM <sub>127</sub> | 2003 09 14.1 | 23 26.70 -00 27.8 18.6 | -0.81 - 6.8 | 1.1/15.3 | 50426 |
| 1999 XA <sub>181</sub> | 2003 09 14.1 | 23 26.71 -06 42.4 19.6 | -0.89 - 2.8 | 1.0/13.3 | 50446 |
| 2002 JB <sub>67</sub>  | 2003 09 14.2 | 23 26.71 +02 32.7 19.4 | -0.76 - 7.0 | 2.0/16.4 | 47202 |
| 1999 TP <sub>66</sub>  | 2003 09 14.2 | 23 26.74 -17 49.5 20.7 | -1.02 - 0.6 | 4.8/10.4 | 47803 |
| 1998 VY <sub>8</sub>   | 2003 09 14.2 | 23 26.80 +19 17.3 18.9 | -0.71 - 6.7 | 7.5/22.9 | 47755 |
| 2002 GX <sub>75</sub>  | 2003 09 14.2 | 23 26.88 +04 28.8 18.0 | -0.83 - 8.5 | 3.5/17.1 | 50603 |
| 2001 FY <sub>73</sub>  | 2003 09 14.2 | 23 26.88 -13 19.6 21.2 | -0.82 - 2.0 | 2.5/11.3 | 48021 |
| 1998 FM <sub>58</sub>  | 2003 09 14.2 | 23 27.02 -05 03.3 19.9 | -0.92 - 5.0 | 0.5/13.8 | 50383 |
| 1999 XA <sub>29</sub>  | 2003 09 14.2 | 23 27.02 -11 02.0 18.6 | -0.79 - 5.7 | 2.6/11.7 | 50442 |
| 2002 FM <sub>25</sub>  | 2003 09 14.2 | 23 27.05 -26 49.5 20.0 | -0.96 - 3.3 | 7.7/07.0 | 30109 |
| 1999 XC <sub>85</sub>  | 2003 09 14.2 | 23 27.09 -19 58.6 17.8 | -0.73 - 6.0 | 4.7/08.3 | 50443 |
| 2001 AY <sub>10</sub>  | 2003 09 14.2 | 23 27.09 +07 35.4 17.3 | -0.90 - 4.8 | 4.7/17.9 | 49879 |
| 2002 CP <sub>117</sub> | 2003 09 14.2 | 23 27.09 -15 25.3 18.5 | -0.93 - 6.3 | 4.6/10.4 | 50592 |
| 2002 JW <sub>25</sub>  | 2003 09 14.3 | 23 27.03 -09 13.7 19.5 | -0.89 - 7.1 | 2.1/12.4 | 50608 |
| 2001 DO <sub>59</sub>  | 2003 09 14.3 | 23 27.14 +14 27.7 19.2 | -0.95 - 2.4 | 6.2/19.8 | 11891 |
| 1999 TU <sub>250</sub> | 2003 09 14.3 | 23 27.19 +10 00.5 19.3 | -0.84 - 5.7 | 4.7/18.9 | 47812 |
| 2001 CS <sub>3</sub>   | 2003 09 14.3 | 23 27.23 -04 06.2 19.4 | -0.84 - 3.4 | 0.2/14.2 | 12284 |
| 1999 RP <sub>41</sub>  | 2003 09 14.3 | 23 27.27 -06 32.5 20.4 | -0.92 - 5.8 | 1.0/13.4 | 14787 |
| 2002 JA <sub>109</sub> | 2003 09 14.3 | 23 27.27 -13 37.3 19.2 | -0.88 -13.7 | 3.3/10.4 | 34004 |
| 1995 WW <sub>11</sub>  | 2003 09 14.3 | 23 27.32 -13 34.1 18.7 | -0.77 - 6.4 | 4.5/10.8 | 49641 |
| 2002 EU <sub>52</sub>  | 2003 09 14.3 | 23 27.38 -07 55.5 19.0 | -0.84 -10.5 | 1.8/12.8 | 50597 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2002 JZ <sub>100</sub> | 2003 09 14.3 | 23 27.40 | -00 34.6 | 19.4 | -0.85 | -14.1 | 0.9/15.5  | 32029 |
| 2000 AG <sub>230</sub> | 2003 09 14.3 | 23 27.41 | +03 22.8 | 19.5 | -0.80 | - 2.0 | 1.9/16.5  | 50455 |
| 2000 AO <sub>153</sub> | 2003 09 14.3 | 23 27.44 | +32 46.3 | 17.9 | -0.96 | - 1.8 | 12.1/27.8 | 49780 |
| 1999 VQ <sub>175</sub> | 2003 09 14.3 | 23 27.45 | +10 35.5 | 19.4 | -0.74 | - 7.5 | 5.9/19.7  | 50439 |
| 2002 EC <sub>87</sub>  | 2003 09 14.3 | 23 27.45 | -07 06.7 | 19.7 | -0.90 | - 5.9 | 1.2/13.2  | 50598 |
| 1999 XV <sub>186</sub> | 2003 09 14.3 | 23 27.46 | +15 56.8 | 18.0 | -0.96 | - 0.3 | 8.5/19.8  | 6264  |
| 1994 SP <sub>9</sub>   | 2003 09 14.4 | 23 27.42 | +01 15.5 | 19.2 | -0.73 | - 8.6 | 1.4/16.2  | 31805 |
| 2002 CQ <sub>152</sub> | 2003 09 14.4 | 23 27.42 | +05 25.1 | 18.6 | -1.53 | + 3.5 | 4.2/16.1  | 49997 |
| 2000 YZ <sub>26</sub>  | 2003 09 14.4 | 23 27.42 | +04 34.7 | 17.7 | -0.82 | - 9.8 | 3.2/17.4  | 49861 |
| 2000 EL <sub>112</sub> | 2003 09 14.4 | 23 27.42 | +00 52.6 | 19.6 | -0.69 | - 5.4 | 1.3/15.9  | 23519 |
| 2003 QJ <sub>23</sub>  | 2003 09 14.4 | 23 27.44 | -02 08.2 | 17.9 | -0.63 | -15.5 | 0.4/15.0  | 50300 |
| 1999 TH <sub>157</sub> | 2003 09 14.4 | 23 27.45 | -08 11.2 | 18.8 | -1.01 | - 2.2 | 1.6/13.1  | 50427 |
| 2002 FC <sub>21</sub>  | 2003 09 14.4 | 23 27.48 | -17 11.3 | 19.0 | -0.99 | - 5.9 | 5.5/10.0  | 50044 |
| 2000 WN <sub>41</sub>  | 2003 09 14.4 | 23 27.49 | -14 57.1 | 17.7 | -0.85 | - 8.3 | 5.0/10.3  | 50504 |
| 2002 EM <sub>77</sub>  | 2003 09 14.4 | 23 27.57 | -02 17.8 | 19.0 | -1.02 | - 1.1 | 0.6/14.8  | 50027 |
| 2001 EW <sub>1</sub>   | 2003 09 14.4 | 23 27.61 | -18 04.0 | 19.5 | -0.83 | - 5.3 | 4.5/09.5  | 13819 |
| 2002 JY <sub>88</sub>  | 2003 09 14.4 | 23 27.62 | -11 09.6 | 20.1 | -0.87 | - 3.8 | 2.6/12.1  | 32028 |
| 1998 XQ <sub>23</sub>  | 2003 09 14.4 | 23 27.68 | +03 13.0 | 19.0 | -0.73 | - 5.0 | 2.1/16.7  | 18185 |
| 2002 EO <sub>9</sub>   | 2003 09 14.4 | 23 27.68 | -02 12.8 | 19.4 | -0.91 | - 8.3 | 0.5/14.9  | 31468 |
| 1999 XG <sub>114</sub> | 2003 09 14.4 | 23 27.70 | +13 42.0 | 17.3 | -0.99 | + 0.4 | 7.3/19.3  | 49762 |
| 2000 AM <sub>231</sub> | 2003 09 14.4 | 23 27.75 | -17 58.7 | 19.5 | -0.68 | - 6.9 | 4.1/09.1  | 50455 |
| 1999 TE <sub>182</sub> | 2003 09 14.4 | 23 27.77 | -09 05.9 | 18.9 | -0.99 | - 1.6 | 1.7/12.9  | 50428 |
| 2002 CB <sub>12</sub>  | 2003 09 14.4 | 23 27.79 | +15 23.9 | 18.4 | -0.84 | -15.6 | 5.9/22.4  | 49972 |
| 1999 JL <sub>72</sub>  | 2003 09 14.5 | 23 27.75 | -06 21.8 | 19.5 | -0.94 | - 8.1 | 1.1/13.5  | 50409 |
| 2001 DD                | 2003 09 14.5 | 23 27.75 | -02 18.4 | 18.9 | -0.77 | - 7.1 | 0.4/14.9  | 50522 |
| 2000 EM <sub>168</sub> | 2003 09 14.5 | 23 27.76 | -20 57.4 | 19.2 | -0.94 | - 1.1 | 5.4/09.2  | 50467 |
| 2000 YB <sub>22</sub>  | 2003 09 14.5 | 23 27.78 | -12 29.2 | 18.8 | -0.87 | - 5.0 | 2.7/11.6  | 12261 |
| 2001 AQ <sub>31</sub>  | 2003 09 14.5 | 23 27.82 | -07 19.1 | 18.8 | -0.98 | - 4.7 | 1.7/13.3  | 50517 |
| 1999 RU <sub>24</sub>  | 2003 09 14.5 | 23 27.86 | +02 14.1 | 18.6 | -0.86 | - 6.3 | 2.3/16.0  | 49673 |
| 2000 AY <sub>88</sub>  | 2003 09 14.5 | 23 27.90 | +09 56.7 | 17.4 | -0.79 | - 3.4 | 4.4/18.9  | 50452 |
| 1994 UL <sub>6</sub>   | 2003 09 14.5 | 23 27.92 | +02 03.5 | 19.8 | -0.79 | - 5.1 | 1.7/16.4  | 50371 |
| 2000 WN <sub>32</sub>  | 2003 09 14.5 | 23 27.95 | -01 37.4 | 18.2 | -0.85 | - 8.9 | 0.7/15.2  | 50504 |
| 2001 BV <sub>76</sub>  | 2003 09 14.5 | 23 28.02 | +03 44.8 | 20.2 | -0.95 | - 2.3 | 2.4/16.7  | 12282 |
| 2002 FK <sub>13</sub>  | 2003 09 14.5 | 23 28.02 | -08 21.9 | 19.7 | -0.99 | - 6.5 | 1.9/13.0  | 50600 |
| 1998 SA <sub>164</sub> | 2003 09 14.5 | 23 28.03 | -38 16.7 | 19.1 | -1.79 | + 8.1 | 17.2/08.5 | 47751 |
| 2001 BJ <sub>42</sub>  | 2003 09 14.5 | 23 28.07 | -06 02.6 | 18.9 | -0.86 | - 7.6 | 1.1/13.7  | 11035 |
| 1998 YF <sub>9</sub>   | 2003 09 14.5 | 23 28.16 | -05 57.7 | 19.6 | -0.71 | - 5.0 | 0.7/13.7  | 13587 |
| 2002 EC <sub>44</sub>  | 2003 09 14.5 | 23 28.17 | -26 42.4 | 19.5 | -1.03 | - 0.5 | 8.2/08.0  | 50597 |
| 1999 VV <sub>53</sub>  | 2003 09 14.6 | 23 28.12 | -09 13.8 | 19.4 | -0.89 | - 3.8 | 2.1/12.8  | 20743 |
| 2000 XD <sub>21</sub>  | 2003 09 14.6 | 23 28.16 | +02 19.6 | 18.0 | -1.01 | - 3.5 | 2.3/16.3  | 9889  |
| 2001 CA <sub>3</sub>   | 2003 09 14.6 | 23 28.17 | -01 45.7 | 19.6 | -0.96 | - 3.1 | 0.6/15.1  | 11839 |
| 1999 JH <sub>40</sub>  | 2003 09 14.6 | 23 28.17 | -12 07.9 | 17.4 | -0.90 | - 4.1 | 4.2/11.9  | 50408 |
| 1999 VE <sub>56</sub>  | 2003 09 14.6 | 23 28.31 | -15 35.6 | 19.2 | -0.85 | - 3.7 | 3.5/10.7  | 50435 |
| 1997 AM <sub>1</sub>   | 2003 09 14.6 | 23 28.32 | -11 35.6 | 17.5 | -0.90 | - 5.6 | 3.4/11.9  | 50377 |
| 2001 DP <sub>18</sub>  | 2003 09 14.6 | 23 28.33 | -20 15.4 | 18.0 | -0.80 | - 9.5 | 5.8/08.1  | 50523 |
| 2002 GV <sub>18</sub>  | 2003 09 14.6 | 23 28.33 | -06 26.5 | 19.2 | -0.94 | - 3.8 | 1.1/13.7  | 33978 |
| 1998 SN <sub>138</sub> | 2003 09 14.6 | 23 28.36 | -06 05.1 | 19.1 | -0.77 | - 4.0 | 0.7/13.8  | 50395 |
| 1999 XQ <sub>201</sub> | 2003 09 14.6 | 23 28.37 | -05 44.1 | 18.3 | -0.92 | - 2.0 | 0.9/14.0  | 50447 |
| 1999 JJ <sub>59</sub>  | 2003 09 14.6 | 23 28.41 | -02 52.2 | 18.2 | -0.85 | - 9.2 | 0.2/14.9  | 50409 |
| 2000 YL <sub>105</sub> | 2003 09 14.6 | 23 28.48 | -10 02.2 | 19.0 | -0.82 | - 6.0 | 2.1/12.4  | 50514 |
| 1999 UM <sub>41</sub>  | 2003 09 14.6 | 23 28.49 | -03 29.7 | 19.3 | -0.87 | - 4.1 | 0.0/14.7  | 12185 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 GA <sub>11</sub>  | 2003 09 14.6 | 23 28.54 | -05 46.5 | 20.7 | -1.02 | - 6.1 | 0.9/14.0  | 27616 |
| 2000 AR <sub>114</sub> | 2003 09 14.7 | 23 28.55 | +10 35.1 | 19.2 | -0.77 | - 3.5 | 4.1/19.4  | 50453 |
| 2000 YK <sub>118</sub> | 2003 09 14.7 | 23 28.61 | -15 09.5 | 19.7 | -0.79 | - 5.5 | 3.4/10.7  | 50515 |
| 2000 AL <sub>170</sub> | 2003 09 14.7 | 23 28.62 | -08 15.5 | 19.0 | -0.76 | - 8.8 | 1.7/12.9  | 50454 |
| 2000 WW <sub>61</sub>  | 2003 09 14.7 | 23 28.67 | -01 00.6 | 18.9 | -0.96 | - 6.0 | 1.0/15.5  | 50505 |
| 2000 BJ <sub>9</sub>   | 2003 09 14.7 | 23 28.68 | -01 53.6 | 19.7 | -0.79 | - 5.1 | 0.5/15.2  | 6995  |
| 2002 CO <sub>91</sub>  | 2003 09 14.7 | 23 28.70 | -11 03.0 | 20.3 | -0.93 | - 7.8 | 3.1/12.2  | 48202 |
| 1999 TY <sub>219</sub> | 2003 09 14.7 | 23 28.70 | -03 00.5 | 18.3 | -1.07 | - 0.2 | 0.1/14.8  | 50429 |
| 2001 CE <sub>40</sub>  | 2003 09 14.7 | 23 28.72 | -16 17.5 | 19.1 | -0.74 | - 4.9 | 3.5/10.3  | 12291 |
| 2002 HY <sub>11</sub>  | 2003 09 14.7 | 23 28.78 | +03 11.2 | 19.6 | -0.91 | - 6.0 | 2.2/16.9  | 48232 |
| 1998 FN <sub>68</sub>  | 2003 09 14.7 | 23 28.81 | -00 10.5 | 20.2 | -0.87 | - 6.4 | 1.0/16.0  | 47726 |
| 2001 AT <sub>34</sub>  | 2003 09 14.7 | 23 28.84 | -00 52.6 | 17.3 | -0.98 | - 2.5 | 1.2/15.5  | 50517 |
| 1999 RO <sub>110</sub> | 2003 09 14.7 | 23 28.90 | +09 38.2 | 18.8 | -0.90 | - 3.1 | 4.0/18.8  | 50417 |
| 1999 TL <sub>70</sub>  | 2003 09 14.8 | 23 28.84 | -17 58.8 | 19.4 | -1.06 | + 1.8 | 6.5/11.2  | 47803 |
| 1999 TH <sub>69</sub>  | 2003 09 14.8 | 23 28.84 | -02 33.1 | 18.3 | -0.84 | - 3.9 | 0.4/15.1  | 1479  |
| 2000 AO <sub>72</sub>  | 2003 09 14.8 | 23 28.86 | -21 51.0 | 19.0 | -0.79 | - 5.7 | 5.7/08.2  | 50451 |
| 2002 JC <sub>144</sub> | 2003 09 14.8 | 23 28.89 | -10 00.4 | 21.0 | -0.88 | - 4.8 | 2.2/12.7  | 35578 |
| 2001 CA <sub>29</sub>  | 2003 09 14.8 | 23 28.90 | -06 59.6 | 19.4 | -0.88 | - 3.0 | 1.1/13.7  | 50522 |
| 1996 SL <sub>4</sub>   | 2003 09 14.8 | 23 28.91 | -09 09.7 | 18.4 | -1.05 | - 2.0 | 2.5/13.2  | 50376 |
| 2002 LQ <sub>39</sub>  | 2003 09 14.8 | 23 28.92 | +04 02.8 | 18.1 | -0.69 | - 7.8 | 2.4/17.6  | 50094 |
| 1992 EH <sub>7</sub>   | 2003 09 14.8 | 23 28.94 | -11 15.0 | 19.4 | -0.80 | - 5.9 | 2.5/12.1  | 50367 |
| 2002 EM <sub>10</sub>  | 2003 09 14.8 | 23 28.96 | -16 40.5 | 18.7 | -0.89 | - 6.0 | 5.3/10.4  | 50596 |
| 2002 CJ <sub>239</sub> | 2003 09 14.8 | 23 28.98 | -00 21.8 | 19.1 | -0.88 | - 7.3 | 1.3/16.0  | 50594 |
| 2001 ED <sub>8</sub>   | 2003 09 14.8 | 23 28.98 | -11 14.5 | 18.8 | -0.83 | - 2.2 | 2.4/12.4  | 13820 |
| 1999 XE <sub>68</sub>  | 2003 09 14.8 | 23 29.02 | -06 05.5 | 19.1 | -0.77 | - 5.8 | 0.9/13.9  | 50443 |
| 1999 TH <sub>34</sub>  | 2003 09 14.9 | 23 29.20 | -08 50.0 | 18.3 | -0.85 | - 4.9 | 2.3/13.1  | 50423 |
| 2002 EQ <sub>29</sub>  | 2003 09 14.9 | 23 29.21 | -04 06.6 | 18.0 | -0.84 | -10.0 | 0.3/14.6  | 50019 |
| 2000 AC <sub>197</sub> | 2003 09 14.9 | 23 29.22 | +20 30.9 | 18.2 | -0.75 | - 3.9 | 7.3/23.6  | 50455 |
| 1998 SX <sub>63</sub>  | 2003 09 14.9 | 23 29.26 | -12 51.6 | 19.7 | -0.78 | - 4.5 | 3.0/11.7  | 13579 |
| 2002 CF <sub>232</sub> | 2003 09 14.9 | 23 29.27 | -15 00.6 | 19.3 | -0.92 | - 7.8 | 4.8/10.9  | 50004 |
| 2000 YR <sub>70</sub>  | 2003 09 14.9 | 23 29.28 | -02 12.5 | 19.9 | -0.92 | - 6.7 | 0.4/15.3  | 27760 |
| 1998 VK <sub>44</sub>  | 2003 09 14.9 | 23 29.32 | -48 43.0 | 19.7 | -1.55 | + 1.0 | 19.1/29.3 | 47756 |
| 1999 TH <sub>4</sub>   | 2003 09 14.9 | 23 29.33 | +12 57.7 | 17.9 | -1.01 | - 1.5 | 5.7/19.6  | 50422 |
| 2000 SG <sub>171</sub> | 2003 09 14.9 | 23 29.39 | -10 58.3 | 18.2 | -1.06 | - 3.2 | 2.9/12.7  | 50492 |
| 2002 JU <sub>17</sub>  | 2003 09 14.9 | 23 29.40 | -01 54.4 | 20.6 | -0.86 | - 5.5 | 0.5/15.4  | 48233 |
| 2001 CZ <sub>15</sub>  | 2003 09 14.9 | 23 29.44 | +07 42.9 | 18.8 | -1.04 | - 0.3 | 4.2/17.9  | 50521 |
| 2002 FE <sub>14</sub>  | 2003 09 14.9 | 23 29.48 | -10 19.5 | 18.5 | -0.66 | -31.8 | 3.1/11.6  | 50042 |
| 2000 XY <sub>36</sub>  | 2003 09 14.9 | 23 29.51 | -00 34.5 | 17.8 | -1.10 | - 1.2 | 1.2/16.0  | 50510 |
| 2000 AE <sub>99</sub>  | 2003 09 14.9 | 23 29.54 | -03 56.5 | 18.1 | -0.82 | - 7.0 | 0.2/14.8  | 50452 |
| 1999 XL <sub>153</sub> | 2003 09 14.9 | 23 29.57 | -21 39.0 | 18.2 | -0.84 | - 3.2 | 5.7/09.0  | 50445 |
| 2000 YR <sub>58</sub>  | 2003 09 14.9 | 23 29.59 | -26 43.7 | 20.2 | -0.85 | - 6.0 | 7.1/06.5  | 50513 |
| 1999 VL <sub>175</sub> | 2003 09 14.9 | 23 29.61 | -22 29.3 | 18.6 | -1.08 | + 1.1 | 7.6/10.2  | 47825 |
| 1999 VQ <sub>59</sub>  | 2003 09 15.0 | 23 29.54 | -17 29.3 | 19.4 | -0.88 | - 3.1 | 4.4/10.5  | 50435 |
| 1999 QQ <sub>1</sub>   | 2003 09 15.0 | 23 29.58 | +06 20.4 | 17.9 | -0.75 | - 6.5 | 4.5/18.4  | 50413 |
| 2002 EK <sub>33</sub>  | 2003 09 15.0 | 23 29.61 | -09 26.6 | 19.5 | -0.89 | - 4.7 | 1.9/13.1  | 29977 |
| 2003 QZ <sub>75</sub>  | 2003 09 15.0 | 23 29.64 | +02 57.9 | 17.7 | -0.81 | - 8.1 | 2.9/17.2  | 50322 |
| 2002 GO <sub>110</sub> | 2003 09 15.0 | 23 29.64 | -12 14.8 | 20.0 | -0.90 | - 4.5 | 3.2/12.2  | 31582 |
| 2001 FK <sub>45</sub>  | 2003 09 15.0 | 23 29.69 | -03 17.5 | 19.4 | -0.72 | - 4.6 | 0.0/15.0  | 48019 |
| 2001 CG <sub>37</sub>  | 2003 09 15.0 | 23 29.70 | -04 05.5 | 19.0 | -0.85 | - 3.9 | 0.3/14.8  | 49899 |
| 2002 JQ <sub>114</sub> | 2003 09 15.0 | 23 29.83 | -27 38.1 | 19.3 | -0.87 | - 4.6 | 7.9/06.5  | 33576 |
| 2002 GD <sub>2</sub>   | 2003 09 15.0 | 23 29.84 | -06 36.4 | 19.6 | -0.94 | - 5.2 | 1.2/14.0  | 30733 |

2003 SEPT. 10

M.P.C. 49709

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 FG <sub>62</sub>  | 2003 09 15.0 | 23 29.90 | -07 34.3 | 19.1 | -0.69 | - 7.2 | 1.3/13.5  | 50529 |
| 2001 CG <sub>43</sub>  | 2003 09 15.0 | 23 29.91 | -22 22.6 | 19.1 | -0.73 | - 5.6 | 4.9/08.2  | 13252 |
| 2002 ER <sub>10</sub>  | 2003 09 15.0 | 23 29.91 | +03 39.4 | 20.7 | -0.79 | - 9.2 | 2.1/17.6  | 31976 |
| 1994 FD                | 2003 09 15.0 | 23 29.93 | -24 09.9 | 19.0 | -1.62 | + 4.3 | 9.8/10.9  | 30246 |
| 2001 BG <sub>71</sub>  | 2003 09 15.0 | 23 29.96 | +14 50.2 | 19.4 | -0.91 | - 2.8 | 5.7/20.9  | 12282 |
| 1999 TH <sub>230</sub> | 2003 09 15.1 | 23 29.92 | -14 00.8 | 18.3 | -0.83 | - 5.1 | 4.4/11.5  | 50429 |
| 1998 SR <sub>153</sub> | 2003 09 15.1 | 23 29.97 | -17 09.2 | 19.5 | -1.00 | + 0.3 | 4.9/11.3  | 16857 |
| 1999 VQ <sub>143</sub> | 2003 09 15.1 | 23 29.99 | +02 50.9 | 18.6 | -0.74 | - 4.0 | 3.0/17.1  | 49746 |
| 1998 VR <sub>14</sub>  | 2003 09 15.1 | 23 30.00 | -41 26.8 | 18.5 | -1.19 | + 2.7 | 12.2/03.2 | 31842 |
| 1999 TQ <sub>185</sub> | 2003 09 15.1 | 23 30.11 | +09 57.4 | 18.2 | -1.07 | + 1.6 | 5.8/18.5  | 49716 |
| 2002 EE <sub>11</sub>  | 2003 09 15.1 | 23 30.12 | -08 54.1 | 20.5 | -1.00 | - 1.7 | 1.9/13.6  | 30703 |
| 2001 FK <sub>11</sub>  | 2003 09 15.1 | 23 30.12 | -08 16.5 | 19.5 | -0.84 | - 2.3 | 1.5/13.6  | 31942 |
| 2002 GS <sub>55</sub>  | 2003 09 15.1 | 23 30.15 | +02 41.7 | 18.6 | -0.97 | - 2.7 | 2.6/16.9  | 50603 |
| 2001 EV <sub>22</sub>  | 2003 09 15.1 | 23 30.22 | -11 28.2 | 20.1 | -0.99 | - 1.4 | 2.7/12.8  | 18314 |
| 1998 HK <sub>34</sub>  | 2003 09 15.1 | 23 30.28 | -07 51.2 | 19.3 | -0.91 | - 5.4 | 1.5/13.7  | 50385 |
| 2002 GC <sub>40</sub>  | 2003 09 15.1 | 23 30.33 | -06 09.7 | 19.7 | -0.95 | - 3.2 | 1.0/14.3  | 31513 |
| 2002 EU <sub>150</sub> | 2003 09 15.2 | 23 30.26 | -04 19.4 | 18.1 | -0.84 | - 8.8 | 0.4/14.8  | 50038 |
| 2002 GH <sub>60</sub>  | 2003 09 15.2 | 23 30.28 | +10 56.5 | 18.9 | -0.77 | - 9.4 | 4.9/20.6  | 33981 |
| 2002 GX <sub>79</sub>  | 2003 09 15.2 | 23 30.29 | -12 26.3 | 19.0 | -0.96 | - 4.6 | 3.7/12.3  | 31550 |
| 2001 BM <sub>59</sub>  | 2003 09 15.2 | 23 30.32 | +18 11.3 | 18.6 | -0.87 | - 5.0 | 7.0/22.6  | 50519 |
| 1998 HK <sub>7</sub>   | 2003 09 15.2 | 23 30.33 | -38 34.7 | 18.5 | -1.24 | - 1.8 | 11.1/03.0 | 41536 |
| 2002 AX <sub>202</sub> | 2003 09 15.2 | 23 30.34 | +05 38.7 | 19.5 | -1.02 | - 5.4 | 3.6/18.0  | 49965 |
| 1997 HW <sub>9</sub>   | 2003 09 15.2 | 23 30.41 | +02 17.1 | 20.7 | -0.76 | - 6.1 | 1.5/17.1  | 6757  |
| 2001 DB <sub>28</sub>  | 2003 09 15.2 | 23 30.42 | -08 29.2 | 19.7 | -0.81 | - 6.8 | 1.7/13.4  | 17553 |
| 2001 DL <sub>21</sub>  | 2003 09 15.2 | 23 30.44 | -15 40.5 | 18.8 | -0.84 | - 1.5 | 3.5/11.5  | 14419 |
| 2000 AU <sub>84</sub>  | 2003 09 15.2 | 23 30.44 | +09 44.5 | 17.7 | -0.77 | - 4.0 | 4.2/19.6  | 50452 |
| 2000 VL <sub>31</sub>  | 2003 09 15.2 | 23 30.48 | +00 36.0 | 18.5 | -0.85 | - 6.9 | 1.8/16.5  | 50502 |
| 2001 DJ <sub>66</sub>  | 2003 09 15.2 | 23 30.50 | +06 06.3 | 19.4 | -0.90 | - 2.7 | 2.8/18.1  | 12301 |
| 2001 DM                | 2003 09 15.2 | 23 30.51 | -09 17.1 | 18.4 | -0.80 | - 2.5 | 1.8/13.4  | 50522 |
| 1999 TA <sub>190</sub> | 2003 09 15.2 | 23 30.55 | +17 03.6 | 18.5 | -0.89 | - 4.3 | 7.5/22.3  | 50428 |
| 2002 GL <sub>83</sub>  | 2003 09 15.2 | 23 30.62 | -27 36.4 | 18.3 | -1.08 | - 1.1 | 9.1/08.0  | 31554 |
| 2001 DK <sub>13</sub>  | 2003 09 15.2 | 23 30.63 | -14 50.2 | 20.2 | -0.78 | - 6.0 | 3.3/11.2  | 13813 |
| 2000 CG <sub>55</sub>  | 2003 09 15.2 | 23 30.63 | -08 57.2 | 18.8 | -0.76 | - 3.4 | 1.7/13.4  | 50458 |
| 1999 VL <sub>226</sub> | 2003 09 15.3 | 23 30.63 | -16 49.6 | 19.7 | -0.66 | - 9.0 | 6.6/09.7  | 3922  |
| 2001 HM <sub>42</sub>  | 2003 09 15.3 | 23 30.65 | +00 59.4 | 20.0 | -0.67 | - 5.9 | 1.0/16.8  | 13856 |
| 2002 DD <sub>2</sub>   | 2003 09 15.3 | 23 30.72 | -41 28.5 | 19.5 | -1.84 | + 6.3 | 18.7/05.7 | 35165 |
| 2001 BZ <sub>34</sub>  | 2003 09 15.3 | 23 30.76 | -09 16.0 | 17.5 | -0.82 | - 8.9 | 2.7/13.1  | 50519 |
| 2000 WU <sub>160</sub> | 2003 09 15.3 | 23 30.76 | -04 31.8 | 18.7 | -0.87 | - 9.3 | 0.5/14.8  | 50508 |
| 2000 AG <sub>59</sub>  | 2003 09 15.3 | 23 30.77 | -20 12.7 | 18.6 | -0.73 | - 6.5 | 5.2/09.0  | 50451 |
| 1998 FA <sub>7</sub>   | 2003 09 15.3 | 23 30.78 | -04 42.5 | 20.7 | -0.96 | - 6.3 | 0.6/14.8  | 47725 |
| 2001 FK <sub>81</sub>  | 2003 09 15.3 | 23 30.78 | +08 47.1 | 19.2 | -0.74 | - 4.7 | 3.5/19.5  | 13323 |
| 2000 WA <sub>120</sub> | 2003 09 15.3 | 23 30.81 | -11 59.2 | 18.9 | -0.98 | - 4.7 | 3.7/12.6  | 50507 |
| 2000 CQ <sub>23</sub>  | 2003 09 15.3 | 23 30.86 | +04 56.0 | 18.8 | -0.73 | - 4.0 | 2.2/18.1  | 50458 |
| 2001 DN <sub>39</sub>  | 2003 09 15.3 | 23 30.88 | -03 40.5 | 18.6 | -0.81 | - 7.7 | 0.2/15.2  | 50524 |
| 1999 YM <sub>9</sub>   | 2003 09 15.3 | 23 30.94 | -01 00.8 | 17.8 | -0.91 | - 3.1 | 0.8/16.0  | 49773 |
| 2002 GB <sub>89</sub>  | 2003 09 15.3 | 23 30.97 | -09 46.5 | 19.6 | -0.87 | - 8.0 | 2.4/13.1  | 50604 |
| 1999 XE <sub>234</sub> | 2003 09 15.3 | 23 30.97 | -03 28.6 | 18.8 | -0.75 | - 7.9 | 0.1/15.3  | 50448 |
| 2002 CR <sub>118</sub> | 2003 09 15.3 | 23 31.01 | -40 20.5 | 19.2 | -1.15 | - 3.0 | 11.7/02.4 | 48205 |
| 1999 TB <sub>50</sub>  | 2003 09 15.3 | 23 31.01 | +00 15.5 | 20.5 | -0.72 | -10.5 | 1.4/16.7  | 14789 |
| 2000 XC <sub>46</sub>  | 2003 09 15.3 | 23 31.01 | -23 20.5 | 19.2 | -1.35 | + 0.8 | 7.6/10.2  | 20834 |
| 1999 RL <sub>205</sub> | 2003 09 15.3 | 23 31.01 | +16 24.8 | 17.9 | -0.86 | - 4.9 | 7.5/22.1  | 50420 |

|                        |              |          |          |      |       |       |          |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-------|
| 1999 TO <sub>29</sub>  | 2003 09 15.3 | 23 31.02 | +01 32.8 | 18.3 | -0.72 | - 8.1 | 2.1/17.1 | 50423 |
| 2002 LC <sub>19</sub>  | 2003 09 15.3 | 23 31.04 | +22 20.1 | 18.0 | -0.76 | - 4.6 | 7.2/25.1 | 50613 |
| 1999 RC <sub>91</sub>  | 2003 09 15.4 | 23 30.97 | -07 17.6 | 18.9 | -0.50 | -13.7 | 2.0/13.6 | 49680 |
| 2001 FN <sub>17</sub>  | 2003 09 15.4 | 23 30.98 | +00 27.5 | 19.2 | -0.66 | - 6.8 | 1.0/16.7 | 50527 |
| 1998 VR <sub>26</sub>  | 2003 09 15.4 | 23 31.01 | +18 41.3 | 17.6 | -0.71 | - 5.9 | 7.6/23.6 | 49659 |
| 1998 SH <sub>51</sub>  | 2003 09 15.4 | 23 31.02 | -02 55.6 | 19.5 | -0.75 | - 4.8 | 0.1/15.5 | 50392 |
| 2000 WO <sub>25</sub>  | 2003 09 15.4 | 23 31.03 | -15 29.3 | 18.9 | -0.95 | - 4.7 | 4.4/11.5 | 50504 |
| 2000 YN <sub>18</sub>  | 2003 09 15.4 | 23 31.04 | +11 54.3 | 19.7 | -0.85 | - 3.8 | 4.3/20.3 | 12261 |
| 1998 DR <sub>7</sub>   | 2003 09 15.4 | 23 31.05 | -10 23.4 | 18.2 | -1.00 | - 5.4 | 3.0/13.1 | 50381 |
| 2002 GP <sub>69</sub>  | 2003 09 15.4 | 23 31.05 | +00 04.2 | 20.0 | -0.77 | - 8.4 | 1.1/16.6 | 31538 |
| 2002 GD <sub>12</sub>  | 2003 09 15.4 | 23 31.07 | -08 23.9 | 18.6 | -0.89 | - 8.7 | 2.0/13.6 | 50601 |
| 1998 SX <sub>151</sub> | 2003 09 15.4 | 23 31.11 | -07 25.2 | 19.7 | -0.75 | - 5.2 | 1.3/14.0 | 47750 |
| 1999 TZ <sub>204</sub> | 2003 09 15.4 | 23 31.22 | +00 29.4 | 19.4 | -0.84 | - 4.7 | 1.2/16.6 | 50429 |
| 1999 OB <sub>5</sub>   | 2003 09 15.4 | 23 31.23 | -07 03.7 | 18.4 | -0.87 | - 6.7 | 1.7/14.1 | 50413 |
| 2002 JN <sub>57</sub>  | 2003 09 15.4 | 23 31.26 | -18 33.3 | 18.3 | -0.87 | - 2.4 | 5.3/10.7 | 31684 |
| 2002 GW <sub>79</sub>  | 2003 09 15.4 | 23 31.29 | -02 55.0 | 19.1 | -0.90 | - 5.2 | 0.1/15.5 | 31550 |
| 1996 AC <sub>6</sub>   | 2003 09 15.4 | 23 31.33 | -09 14.3 | 20.4 | -0.83 | - 5.3 | 2.0/13.4 | 46327 |
| 1999 EN <sub>3</sub>   | 2003 09 15.4 | 23 31.36 | -04 31.6 | 19.0 | -1.00 | - 5.7 | 0.7/15.0 | 50405 |
| 1998 FM <sub>59</sub>  | 2003 09 15.4 | 23 31.37 | -08 46.2 | 19.0 | -0.92 | - 6.3 | 2.0/13.6 | 50383 |
| 1998 SF <sub>129</sub> | 2003 09 15.4 | 23 31.38 | -23 32.3 | 18.9 | -0.98 | - 1.1 | 5.8/09.2 | 31835 |
| 2001 DB <sub>26</sub>  | 2003 09 15.4 | 23 31.40 | -11 52.9 | 18.7 | -0.88 | - 6.2 | 3.4/12.5 | 50523 |
| 2003 OG <sub>31</sub>  | 2003 09 15.4 | 23 31.43 | +14 00.7 | 18.7 | -1.15 | + 3.1 | 6.5/19.7 | 50273 |
| 1999 VP <sub>59</sub>  | 2003 09 15.5 | 23 31.33 | -02 16.5 | 19.3 | -0.83 | - 5.1 | 0.3/15.8 | 47820 |
| 2001 AU <sub>36</sub>  | 2003 09 15.5 | 23 31.33 | -05 43.1 | 20.4 | -0.84 | - 3.6 | 0.7/14.7 | 48004 |
| 1999 VY <sub>74</sub>  | 2003 09 15.5 | 23 31.35 | +06 42.2 | 19.8 | -0.77 | - 9.3 | 3.2/19.1 | 11650 |
| 1999 XQ <sub>121</sub> | 2003 09 15.5 | 23 31.37 | -06 12.7 | 18.2 | -0.85 | - 4.0 | 1.1/14.5 | 50444 |
| 1999 TT <sub>119</sub> | 2003 09 15.5 | 23 31.38 | -10 37.4 | 18.0 | -1.09 | + 1.0 | 3.0/13.7 | 50426 |
| 2001 BS <sub>20</sub>  | 2003 09 15.5 | 23 31.39 | -14 19.9 | 19.4 | -0.95 | - 6.2 | 4.2/11.7 | 11032 |
| 1999 TG <sub>33</sub>  | 2003 09 15.5 | 23 31.44 | -11 03.0 | 18.3 | -0.94 | - 2.4 | 2.4/13.2 | 50423 |
| 2000 SN <sub>274</sub> | 2003 09 15.5 | 23 31.44 | -06 50.4 | 19.1 | -1.00 | - 5.1 | 1.6/14.4 | 50495 |
| 1999 XA <sub>164</sub> | 2003 09 15.5 | 23 31.46 | -12 38.2 | 20.2 | -0.89 | - 6.7 | 3.6/12.2 | 10940 |
| 2000 XT <sub>18</sub>  | 2003 09 15.5 | 23 31.55 | +01 05.9 | 17.8 | -1.10 | - 1.0 | 1.8/16.6 | 49857 |
| 2001 FR <sub>105</sub> | 2003 09 15.5 | 23 31.58 | -09 26.9 | 20.4 | -0.79 | - 3.3 | 1.8/13.5 | 27767 |
| 2000 WB <sub>27</sub>  | 2003 09 15.5 | 23 31.60 | +04 07.6 | 18.6 | -0.94 | - 5.8 | 2.7/17.9 | 50504 |
| 2001 DG <sub>65</sub>  | 2003 09 15.5 | 23 31.64 | +04 06.6 | 18.8 | -0.97 | - 1.4 | 2.6/17.6 | 11894 |
| 2002 JQ <sub>57</sub>  | 2003 09 15.5 | 23 31.67 | -17 39.0 | 19.8 | -0.95 | - 4.3 | 4.9/10.9 | 30206 |
| 1999 TR <sub>69</sub>  | 2003 09 15.5 | 23 31.68 | +00 19.4 | 19.9 | -0.82 | - 5.9 | 1.1/16.7 | 47803 |
| 1994 SA                | 2003 09 15.5 | 23 31.70 | -06 47.1 | 20.2 | -1.21 | - 6.6 | 2.0/14.5 | 47693 |
| 1998 UK                | 2003 09 15.5 | 23 31.70 | +10 57.6 | 19.4 | -0.70 | - 7.4 | 4.3/20.9 | 50396 |
| 1995 DL <sub>6</sub>   | 2003 09 15.5 | 23 31.75 | -06 08.4 | 19.1 | -0.89 | - 8.3 | 1.3/14.5 | 50372 |
| 2001 HE <sub>1</sub>   | 2003 09 15.6 | 23 31.70 | -18 28.4 | 19.8 | -0.85 | - 2.0 | 4.3/10.8 | 30455 |
| 2000 UO <sub>69</sub>  | 2003 09 15.6 | 23 31.72 | -02 31.7 | 18.5 | -1.01 | - 4.8 | 0.2/15.8 | 50500 |
| 2000 DV <sub>42</sub>  | 2003 09 15.6 | 23 31.77 | +10 24.2 | 17.2 | -1.19 | + 4.5 | 5.0/18.4 | 49791 |
| 2000 BT <sub>6</sub>   | 2003 09 15.6 | 23 31.81 | -35 23.6 | 19.1 | -0.97 | - 0.4 | 9.1/04.9 | 35508 |
| 2000 AR <sub>15</sub>  | 2003 09 15.6 | 23 31.92 | +10 41.3 | 18.8 | -0.80 | - 3.7 | 4.1/20.2 | 13642 |
| 1999 JR <sub>120</sub> | 2003 09 15.6 | 23 31.95 | -13 32.4 | 18.9 | -1.01 | - 5.7 | 4.0/12.3 | 50410 |
| 1999 WP <sub>13</sub>  | 2003 09 15.6 | 23 32.04 | +19 25.0 | 17.1 | -0.70 | - 7.4 | 9.2/24.8 | 50440 |
| 2001 KP <sub>7</sub>   | 2003 09 15.6 | 23 32.09 | +00 43.0 | 19.1 | -0.68 | - 5.5 | 1.0/17.0 | 33910 |
| 1999 TZ <sub>95</sub>  | 2003 09 15.6 | 23 32.11 | +00 52.9 | 17.8 | -0.71 | -13.0 | 1.5/17.2 | 50425 |
| 2002 DT <sub>3</sub>   | 2003 09 15.7 | 23 32.06 | -29 25.1 | 20.0 | -0.87 | - 9.0 | 7.4/05.7 | 31975 |
| 1999 JO <sub>52</sub>  | 2003 09 15.7 | 23 32.07 | -17 08.5 | 17.8 | -1.02 | - 2.1 | 6.5/11.6 | 50408 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 NY <sub>39</sub>  | 2003 09 15.7 | 23 32.07 | -17 55.0 | 17.0 | -0.83 | - 5.6 | 6.6/10.5  | 50412 |
| 2000 WC <sub>78</sub>  | 2003 09 15.7 | 23 32.08 | -03 05.3 | 19.4 | -0.97 | - 4.8 | 0.0/15.7  | 50506 |
| 2002 CL <sub>18</sub>  | 2003 09 15.7 | 23 32.16 | -10 20.7 | 17.3 | -1.16 | - 1.1 | 2.9/13.8  | 49974 |
| 2002 JT <sub>53</sub>  | 2003 09 15.7 | 23 32.25 | -05 58.3 | 19.3 | -0.86 | - 5.1 | 1.1/14.8  | 50609 |
| 1999 TS <sub>213</sub> | 2003 09 15.7 | 23 32.32 | -11 50.8 | 19.3 | -0.95 | - 2.6 | 3.0/13.1  | 19460 |
| 2000 CO <sub>61</sub>  | 2003 09 15.7 | 23 32.32 | +11 31.1 | 19.9 | -0.84 | - 2.2 | 4.0/20.2  | 47851 |
| 2001 AL <sub>21</sub>  | 2003 09 15.7 | 23 32.34 | -01 21.9 | 18.4 | -0.95 | - 4.0 | 0.7/16.3  | 50516 |
| 2001 FY <sub>108</sub> | 2003 09 15.7 | 23 32.38 | -04 09.6 | 18.3 | -0.82 | - 2.8 | 0.4/15.4  | 50530 |
| 2000 UN <sub>92</sub>  | 2003 09 15.7 | 23 32.39 | +04 59.0 | 18.6 | -0.98 | - 5.5 | 3.7/18.3  | 29484 |
| 2000 WC <sub>135</sub> | 2003 09 15.7 | 23 32.43 | -03 44.7 | 17.4 | -1.03 | - 0.5 | 0.4/15.6  | 50507 |
| 1981 EF <sub>21</sub>  | 2003 09 15.7 | 23 32.44 | -03 43.4 | 19.2 | -0.79 | - 8.4 | 0.2/15.5  | 33750 |
| 1999 RF <sub>240</sub> | 2003 09 15.7 | 23 32.45 | -14 42.6 | 17.5 | -0.62 | - 8.1 | 5.7/11.1  | 50421 |
| 2002 EB <sub>13</sub>  | 2003 09 15.7 | 23 32.53 | -13 34.3 | 17.8 | -1.63 | +10.2 | 5.2/14.5  | 50596 |
| 1998 HD <sub>145</sub> | 2003 09 15.8 | 23 32.40 | -10 21.0 | 18.5 | -0.81 | - 8.0 | 2.7/13.2  | 50386 |
| 1998 SZ <sub>137</sub> | 2003 09 15.8 | 23 32.41 | -15 28.8 | 18.2 | -0.89 | - 1.7 | 4.0/12.0  | 50395 |
| 2000 AG <sub>35</sub>  | 2003 09 15.8 | 23 32.47 | -18 50.0 | 19.6 | -0.76 | - 4.8 | 4.7/10.3  | 50450 |
| 2002 JR <sub>77</sub>  | 2003 09 15.8 | 23 32.48 | -11 50.3 | 20.0 | -1.00 | - 3.4 | 3.3/13.2  | 32026 |
| 1999 VF <sub>59</sub>  | 2003 09 15.8 | 23 32.48 | +00 16.3 | 19.1 | -0.81 | - 5.8 | 1.2/16.9  | 50435 |
| 1999 TU <sub>309</sub> | 2003 09 15.8 | 23 32.52 | -04 36.9 | 19.0 | -0.78 | - 8.3 | 0.7/15.2  | 49729 |
| 2002 FK <sub>16</sub>  | 2003 09 15.8 | 23 32.53 | -15 37.7 | 19.5 | -0.94 | - 6.0 | 4.9/11.7  | 50600 |
| 2002 GR <sub>14</sub>  | 2003 09 15.8 | 23 32.59 | -10 08.1 | 19.0 | -1.03 | - 3.8 | 2.8/13.7  | 33977 |
| 2001 DO <sub>21</sub>  | 2003 09 15.8 | 23 32.64 | -16 12.4 | 18.8 | -0.86 | - 1.3 | 3.5/11.9  | 50523 |
| 2000 RE <sub>61</sub>  | 2003 09 15.8 | 23 32.65 | -16 27.7 | 18.8 | -0.92 | - 5.6 | 4.5/11.4  | 50486 |
| 2000 AB <sub>32</sub>  | 2003 09 15.8 | 23 32.66 | +15 41.2 | 19.2 | -0.81 | - 2.0 | 4.8/21.9  | 50450 |
| 2000 DP <sub>71</sub>  | 2003 09 15.8 | 23 32.75 | -02 23.3 | 18.2 | -0.72 | - 5.0 | 7.1/27.0  | 50462 |
| 1998 FE <sub>28</sub>  | 2003 09 15.8 | 23 32.79 | -00 59.0 | 18.4 | -0.89 | - 7.6 | 0.7/16.5  | 50382 |
| 2002 JV <sub>42</sub>  | 2003 09 15.8 | 23 32.80 | -15 10.4 | 18.5 | -0.84 | - 6.1 | 4.3/11.7  | 32020 |
| 1993 FZ <sub>41</sub>  | 2003 09 15.8 | 23 32.81 | -09 34.9 | 18.2 | -1.01 | - 1.6 | 2.2/14.0  | 50368 |
| 2000 WE <sub>118</sub> | 2003 09 15.8 | 23 32.85 | -12 39.4 | 19.1 | -0.95 | - 4.4 | 3.4/12.9  | 50507 |
| 2000 SP <sub>226</sub> | 2003 09 15.8 | 23 32.86 | -40 33.8 | 18.7 | -1.27 | - 1.0 | 13.0/02.7 | 41673 |
| 2002 JX <sub>99</sub>  | 2003 09 15.9 | 23 32.83 | -03 36.0 | 18.8 | -0.78 | -10.0 | 0.2/15.7  | 50610 |
| 1999 RK <sub>238</sub> | 2003 09 15.9 | 23 32.84 | -18 22.1 | 19.4 | -0.94 | - 3.6 | 6.0/10.9  | 50421 |
| 2002 LX <sub>30</sub>  | 2003 09 15.9 | 23 32.86 | -07 23.3 | 19.7 | -0.74 | - 5.4 | 1.4/14.4  | 50613 |
| 1999 TK <sub>6</sub>   | 2003 09 15.9 | 23 32.87 | +00 31.7 | 18.4 | -0.76 | - 7.4 | 1.5/17.1  | 50422 |
| 1999 VB <sub>67</sub>  | 2003 09 15.9 | 23 32.89 | -30 36.0 | 18.4 | -0.97 | + 0.7 | 12.7/06.7 | 1526  |
| 2001 DW <sub>78</sub>  | 2003 09 15.9 | 23 32.91 | +09 29.7 | 18.7 | -0.67 | - 6.3 | 3.2/20.5  | 50525 |
| 2000 DP <sub>77</sub>  | 2003 09 15.9 | 23 32.93 | -05 00.6 | 18.8 | -0.75 | - 4.3 | 0.7/15.3  | 50462 |
| 1999 RP <sub>230</sub> | 2003 09 15.9 | 23 32.94 | -11 46.2 | 18.3 | -0.70 | -12.2 | 3.6/12.4  | 49693 |
| 2002 GT <sub>60</sub>  | 2003 09 15.9 | 23 32.94 | +00 43.8 | 17.9 | -1.06 | - 0.3 | 1.4/16.9  | 50603 |
| 1999 XM <sub>206</sub> | 2003 09 15.9 | 23 32.95 | -32 35.5 | 18.9 | -0.82 | - 3.2 | 7.9/05.1  | 47835 |
| 2000 SZ <sub>371</sub> | 2003 09 15.9 | 23 32.96 | -08 32.7 | 18.8 | -0.92 | - 2.6 | 3.0/14.3  | 49828 |
| 2000 UJ <sub>103</sub> | 2003 09 15.9 | 23 32.97 | -02 16.1 | 17.4 | -1.03 | - 2.6 | 10.9/06.0 | 50501 |
| 2002 GN <sub>7</sub>   | 2003 09 15.9 | 23 32.97 | -14 06.9 | 21.2 | -0.92 | - 4.0 | 3.6/12.5  | 48226 |
| 1999 VQ <sub>148</sub> | 2003 09 15.9 | 23 33.03 | +05 25.7 | 17.6 | -0.68 | - 6.2 | 4.0/19.0  | 49747 |
| 2002 EE <sub>26</sub>  | 2003 09 15.9 | 23 33.04 | +06 56.9 | 18.7 | -0.93 | - 5.6 | 3.9/19.2  | 50596 |
| 1998 SU <sub>146</sub> | 2003 09 15.9 | 23 33.06 | +03 37.0 | 18.2 | -0.68 | - 7.6 | 2.0/18.4  | 50395 |
| 2002 KU <sub>14</sub>  | 2003 09 15.9 | 23 33.08 | -15 11.9 | 20.1 | -0.69 | - 7.6 | 3.3/11.4  | 34011 |
| 1999 VX <sub>144</sub> | 2003 09 15.9 | 23 33.09 | +16 24.0 | 16.3 | -1.06 | + 1.0 | 8.1/21.2  | 50438 |
| 1999 XA <sub>125</sub> | 2003 09 15.9 | 23 33.09 | +19 08.8 | 19.4 | -0.86 | - 4.0 | 7.5/23.5  | 18220 |
| 1999 TQ <sub>122</sub> | 2003 09 15.9 | 23 33.10 | -04 48.2 | 17.6 | -0.65 | - 9.6 | 0.9/15.3  | 50426 |
| 2001 DF <sub>21</sub>  | 2003 09 15.9 | 23 33.14 | -17 55.8 | 19.0 | -0.76 | - 4.6 | 4.4/10.8  | 50523 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2001 DY <sub>91</sub>  | 2003 09 15.9 | 23 33.15 | -03 33.1 | 19.6 | -0.75 | - 3.6 | 0.2/15.8  | 14419 |
| 2002 CR <sub>214</sub> | 2003 09 15.9 | 23 33.18 | -03 54.0 | 17.8 | -1.03 | - 3.2 | 10.9/06.0 | 50002 |
| 2002 JK <sub>25</sub>  | 2003 09 15.9 | 23 33.19 | +04 57.2 | 18.5 | -0.71 | -10.5 | 2.8/19.1  | 50608 |
| 2000 WQ <sub>98</sub>  | 2003 09 16.0 | 23 33.14 | -22 36.1 | 19.3 | -0.90 | - 4.8 | 6.2/09.3  | 50506 |
| 2000 AC <sub>167</sub> | 2003 09 16.0 | 23 33.16 | +10 54.9 | 20.4 | -0.68 | - 5.5 | 3.7/21.0  | 47844 |
| 2003 QZ <sub>45</sub>  | 2003 09 16.0 | 23 33.18 | -03 39.9 | 18.0 | -0.91 | - 0.1 | 0.4/15.8  | 50310 |
| 1998 FL <sub>123</sub> | 2003 09 16.0 | 23 33.22 | -00 24.4 | 20.0 | -0.91 | - 5.7 | 0.8/16.8  | 31814 |
| 1999 XX <sub>128</sub> | 2003 09 16.0 | 23 33.22 | +09 43.8 | 18.1 | -0.91 | - 3.0 | 4.9/19.8  | 49765 |
| 1998 KH <sub>28</sub>  | 2003 09 16.0 | 23 33.32 | -05 12.3 | 19.0 | -0.90 | - 4.8 | 0.8/15.3  | 50386 |
| 2000 BX <sub>7</sub>   | 2003 09 16.0 | 23 33.32 | +03 19.3 | 18.7 | -0.81 | - 2.6 | 1.9/18.0  | 31895 |
| 2003 QL <sub>40</sub>  | 2003 09 16.0 | 23 33.38 | -02 26.3 | 17.9 | -0.86 | - 4.2 | 0.2/16.2  | 50308 |
| 2002 GK <sub>76</sub>  | 2003 09 16.0 | 23 33.39 | +07 06.3 | 18.4 | -0.74 | -10.6 | 3.7/19.9  | 50603 |
| 2002 EL <sub>89</sub>  | 2003 09 16.0 | 23 33.41 | +01 55.1 | 19.4 | -0.90 | - 9.6 | 1.8/17.8  | 35574 |
| 1998 UF <sub>11</sub>  | 2003 09 16.0 | 23 33.41 | -09 13.3 | 19.4 | -0.84 | - 5.2 | 2.1/13.9  | 50397 |
| 2000 WM <sub>7</sub>   | 2003 09 16.0 | 23 33.42 | -09 23.6 | 17.5 | -1.09 | - 0.8 | 3.0/14.4  | 50503 |
| 1999 TC <sub>190</sub> | 2003 09 16.0 | 23 33.46 | -01 40.2 | 18.3 | -1.08 | + 0.8 | 0.5/16.4  | 50428 |
| 2001 BJ <sub>66</sub>  | 2003 09 16.0 | 23 33.49 | -13 27.0 | 18.1 | -0.79 | - 8.7 | 3.2/12.2  | 13808 |
| 2001 DN <sub>106</sub> | 2003 09 16.0 | 23 33.51 | -13 19.6 | 19.0 | -0.81 | - 8.1 | 3.5/12.3  | 50525 |
| 2000 AJ <sub>242</sub> | 2003 09 16.0 | 23 33.51 | -00 05.3 | 19.0 | -0.65 | - 7.1 | 0.7/17.1  | 47846 |
| 1999 VV <sub>71</sub>  | 2003 09 16.1 | 23 33.50 | -19 53.8 | 19.9 | -0.95 | - 3.4 | 7.0/10.5  | 38122 |
| 2002 ET <sub>29</sub>  | 2003 09 16.1 | 23 33.56 | -07 02.8 | 19.1 | -0.85 | - 7.2 | 1.6/14.7  | 50596 |
| 2002 EU <sub>105</sub> | 2003 09 16.1 | 23 33.56 | -09 51.8 | 20.2 | -0.86 | - 6.7 | 2.6/13.8  | 48222 |
| 1999 TA <sub>173</sub> | 2003 09 16.1 | 23 33.61 | -10 09.6 | 19.2 | -0.83 | - 5.6 | 2.6/13.7  | 50427 |
| 2001 DV <sub>30</sub>  | 2003 09 16.1 | 23 33.62 | -15 09.0 | 17.9 | -0.72 | - 6.9 | 3.9/11.7  | 50523 |
| 2001 DD <sub>107</sub> | 2003 09 16.1 | 23 33.62 | -10 42.5 | 20.3 | -0.89 | - 8.2 | 3.0/13.4  | 48014 |
| 2003 OD <sub>31</sub>  | 2003 09 16.1 | 23 33.63 | +05 23.7 | 18.0 | -1.01 | - 2.4 | 3.7/18.5  | 50273 |
| 2002 EQ <sub>86</sub>  | 2003 09 16.1 | 23 33.65 | -14 05.3 | 19.6 | -1.00 | - 1.7 | 4.1/13.0  | 48221 |
| 2002 CC <sub>248</sub> | 2003 09 16.1 | 23 33.66 | -08 54.4 | 18.3 | -0.99 | - 2.8 | 2.6/14.4  | 50594 |
| 1998 TH <sub>6</sub>   | 2003 09 16.1 | 23 33.73 | -27 29.5 | 19.2 | -0.99 | 0.0   | 7.9/08.7  | 12142 |
| 2000 YL <sub>76</sub>  | 2003 09 16.1 | 23 33.74 | -08 14.1 | 19.4 | -0.96 | - 6.6 | 2.1/14.4  | 48000 |
| 2001 DA <sub>69</sub>  | 2003 09 16.1 | 23 33.74 | -04 42.2 | 18.7 | -0.70 | - 7.8 | 0.6/15.5  | 50525 |
| 2000 AY <sub>145</sub> | 2003 09 16.1 | 23 33.78 | +06 33.3 | 18.1 | -0.90 | - 4.1 | 4.0/19.1  | 49780 |
| 2001 DU <sub>49</sub>  | 2003 09 16.1 | 23 33.78 | -14 26.5 | 19.0 | -0.86 | - 3.8 | 3.5/12.5  | 12300 |
| 2000 WM <sub>185</sub> | 2003 09 16.1 | 23 33.79 | -03 28.0 | 19.2 | -0.94 | - 6.0 | 0.2/16.0  | 47995 |
| 2001 ET <sub>25</sub>  | 2003 09 16.1 | 23 33.80 | +05 53.2 | 19.5 | -0.82 | - 6.6 | 2.9/19.2  | 19924 |
| 2002 DL <sub>9</sub>   | 2003 09 16.1 | 23 33.81 | -09 24.3 | 18.7 | -1.65 | + 5.1 | 3.2/15.1  | 30698 |
| 2000 YZ <sub>53</sub>  | 2003 09 16.1 | 23 33.85 | -15 01.3 | 20.9 | -0.86 | - 6.2 | 3.7/12.0  | 17512 |
| 2067 T-1               | 2003 09 16.2 | 23 33.84 | -07 52.3 | 19.3 | -0.99 | - 5.0 | 1.9/14.6  | 48389 |
| 1999 VW <sub>28</sub>  | 2003 09 16.2 | 23 33.86 | -05 03.3 | 19.5 | -0.84 | - 4.9 | 0.7/15.5  | 50434 |
| 2000 WJ <sub>67</sub>  | 2003 09 16.2 | 23 33.89 | -25 55.6 | 17.9 | -0.21 | - 0.5 | 14.4/05.5 | 49847 |
| 1999 VN <sub>130</sub> | 2003 09 16.2 | 23 33.97 | -12 28.7 | 18.6 | -0.89 | - 3.0 | 3.5/13.3  | 31877 |
| 2002 EK <sub>43</sub>  | 2003 09 16.2 | 23 33.99 | -00 09.0 | 19.7 | -0.97 | - 5.7 | 0.9/17.1  | 30708 |
| 2001 CT <sub>12</sub>  | 2003 09 16.2 | 23 34.04 | -10 53.9 | 20.1 | -0.88 | - 5.8 | 2.6/13.6  | 12286 |
| 1999 TQ <sub>33</sub>  | 2003 09 16.2 | 23 34.05 | +00 43.1 | 18.5 | -0.83 | - 6.2 | 1.2/17.4  | 50423 |
| 2002 HQ <sub>5</sub>   | 2003 09 16.2 | 23 34.05 | -18 26.1 | 17.6 | -0.72 | - 7.2 | 5.3/10.5  | 50071 |
| 2001 FF <sub>22</sub>  | 2003 09 16.2 | 23 34.08 | -07 06.5 | 19.5 | -0.67 | - 5.5 | 1.1/14.7  | 50527 |
| 1998 GX <sub>7</sub>   | 2003 09 16.2 | 23 34.15 | -07 39.0 | 18.4 | -0.85 | -14.7 | 1.6/14.4  | 50384 |
| 2001 FG <sub>173</sub> | 2003 09 16.2 | 23 34.15 | -01 53.6 | 18.9 | -0.76 | - 7.7 | 0.3/16.6  | 50532 |
| 2000 VK <sub>49</sub>  | 2003 09 16.2 | 23 34.16 | -13 57.7 | 18.8 | -0.99 | - 3.8 | 5.2/12.8  | 50503 |
| 2002 FH <sub>10</sub>  | 2003 09 16.2 | 23 34.18 | -09 30.1 | 20.4 | -0.89 | - 4.4 | 2.1/14.2  | 31987 |
| 2000 WQ <sub>31</sub>  | 2003 09 16.2 | 23 34.27 | -09 56.5 | 19.4 | -0.91 | - 7.0 | 2.5/13.9  | 31923 |

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|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2000 DD <sub>62</sub>  | 2003 09 16.3 | 23 34.25 | -03 36.7 | 19.3 | -0.71 | - 4.9 | 0.2/16.0  | 50462 |
| 2002 JC <sub>121</sub> | 2003 09 16.3 | 23 34.31 | -42 58.9 | 19.9 | -1.00 | - 2.3 | 11.3/01.6 | 34005 |
| 1996 XT <sub>10</sub>  | 2003 09 16.3 | 23 34.33 | -07 19.9 | 18.7 | -1.00 | - 1.1 | 2.2/15.1  | 50376 |
| 2000 WM <sub>96</sub>  | 2003 09 16.3 | 23 34.38 | -05 33.6 | 20.0 | -0.95 | - 6.0 | 1.0/15.4  | 17487 |
| 2002 JM <sub>134</sub> | 2003 09 16.3 | 23 34.40 | -12 03.7 | 19.3 | -0.94 | - 3.0 | 4.3/13.5  | 50611 |
| 1999 TU <sub>127</sub> | 2003 09 16.3 | 23 34.44 | -05 58.0 | 18.1 | -0.71 | - 7.7 | 1.5/15.2  | 50426 |
| 1999 YM <sub>14</sub>  | 2003 09 16.3 | 23 34.45 | +06 33.9 | 19.6 | -0.91 | - 2.1 | 2.9/19.1  | 18223 |
| 2002 JL <sub>20</sub>  | 2003 09 16.3 | 23 34.45 | +00 45.2 | 19.5 | -0.90 | - 4.8 | 1.2/17.5  | 48233 |
| 1998 FM <sub>115</sub> | 2003 09 16.3 | 23 34.47 | -02 09.7 | 19.8 | -0.99 | - 4.0 | 0.2/16.5  | 50383 |
| 2000 AZ <sub>55</sub>  | 2003 09 16.3 | 23 34.49 | -03 05.3 | 19.9 | -0.75 | - 4.7 | 0.1/16.3  | 40431 |
| 2002 JZ <sub>13</sub>  | 2003 09 16.3 | 23 34.50 | -40 29.9 | 19.2 | -1.14 | - 4.0 | 11.8/02.0 | 33996 |
| 1999 TC <sub>182</sub> | 2003 09 16.3 | 23 34.55 | +05 15.2 | 19.9 | -0.82 | - 7.1 | 2.6/19.2  | 31869 |
| 2001 HA <sub>14</sub>  | 2003 09 16.4 | 23 34.57 | -00 17.0 | 19.2 | -0.67 | - 7.6 | 0.8/17.3  | 49918 |
| 2186 T-2               | 2003 09 16.4 | 23 34.64 | -03 41.9 | 18.7 | -0.79 | - 4.4 | 0.3/16.1  | 50811 |
| 2002 EX <sub>22</sub>  | 2003 09 16.4 | 23 34.72 | +05 21.7 | 18.7 | -0.85 | - 7.5 | 3.1/19.3  | 50596 |
| 1998 WS <sub>2</sub>   | 2003 09 16.4 | 23 34.73 | +20 19.4 | 19.2 | -0.69 | - 7.0 | 7.3/25.6  | 34753 |
| 2001 FF <sub>52</sub>  | 2003 09 16.4 | 23 34.73 | -06 24.5 | 18.9 | -0.86 | - 1.3 | 1.0/15.4  | 50529 |
| 1999 VN <sub>51</sub>  | 2003 09 16.4 | 23 34.74 | -12 55.7 | 17.8 | -0.94 | - 2.1 | 3.8/13.5  | 29167 |
| 1999 XW <sub>133</sub> | 2003 09 16.4 | 23 34.77 | -10 08.7 | 19.0 | -0.83 | - 2.5 | 2.2/14.2  | 50445 |
| 1999 NC <sub>7</sub>   | 2003 09 16.4 | 23 34.77 | +17 31.0 | 18.4 | -1.03 | - 2.9 | 7.4/22.8  | 50412 |
| 2000 VV <sub>49</sub>  | 2003 09 16.4 | 23 34.81 | -08 02.1 | 19.2 | -0.99 | - 4.5 | 2.2/14.8  | 50503 |
| 2001 CH <sub>27</sub>  | 2003 09 16.4 | 23 34.88 | -01 18.5 | 18.9 | -0.96 | - 2.3 | 0.5/16.9  | 50521 |
| 2002 GT <sub>92</sub>  | 2003 09 16.4 | 23 34.88 | +00 24.9 | 20.1 | -0.96 | - 5.5 | 1.2/17.5  | 48229 |
| 2002 HM <sub>12</sub>  | 2003 09 16.4 | 23 34.89 | -28 39.0 | 18.3 | -0.87 | - 5.4 | 8.4/07.4  | 31610 |
| 1998 HR <sub>15</sub>  | 2003 09 16.4 | 23 34.95 | -05 11.6 | 19.7 | -0.85 | - 7.6 | 0.9/15.6  | 50384 |
| 2003 QV <sub>48</sub>  | 2003 09 16.4 | 23 34.98 | -15 13.7 | 17.7 | -0.86 | - 4.9 | 5.9/12.4  | 50311 |
| 1998 AU <sub>6</sub>   | 2003 09 16.4 | 23 34.99 | -22 59.6 | 19.9 | -0.93 | - 6.6 | 6.8/09.4  | 47721 |
| 2000 CM <sub>120</sub> | 2003 09 16.5 | 23 34.92 | +07 13.9 | 17.3 | -0.74 | - 4.4 | 3.5/19.9  | 50460 |
| 2002 FE <sub>11</sub>  | 2003 09 16.5 | 23 34.93 | +01 05.6 | 19.9 | -0.78 | -10.9 | 1.3/17.9  | 48225 |
| 2000 WW <sub>74</sub>  | 2003 09 16.5 | 23 34.95 | -12 43.3 | 19.2 | -1.06 | - 3.0 | 4.6/13.6  | 33312 |
| 2002 GK <sub>121</sub> | 2003 09 16.5 | 23 35.01 | -11 49.5 | 18.9 | -1.00 | - 2.3 | 4.1/13.9  | 50064 |
| 2002 GO <sub>75</sub>  | 2003 09 16.5 | 23 35.03 | -04 50.5 | 19.5 | -0.73 | -10.6 | 0.7/15.7  | 48228 |
| 2000 ST <sub>227</sub> | 2003 09 16.5 | 23 35.04 | -23 40.1 | 17.5 | -0.92 | - 3.4 | 6.5/09.7  | 33884 |
| 2001 AC <sub>39</sub>  | 2003 09 16.5 | 23 35.05 | -03 44.3 | 18.1 | -0.87 | - 6.7 | 0.5/16.2  | 50517 |
| 2000 AX <sub>25</sub>  | 2003 09 16.5 | 23 35.07 | -19 52.9 | 18.3 | -0.78 | - 4.9 | 5.3/10.5  | 50450 |
| 1998 SF <sub>99</sub>  | 2003 09 16.5 | 23 35.08 | -10 26.2 | 19.1 | -0.93 | - 1.0 | 2.4/14.3  | 50394 |
| 2002 JM <sub>53</sub>  | 2003 09 16.5 | 23 35.18 | -09 47.0 | 20.4 | -0.97 | - 3.7 | 2.5/14.4  | 48234 |
| 2000 AM <sub>65</sub>  | 2003 09 16.5 | 23 35.28 | -16 15.6 | 18.9 | -0.75 | - 5.5 | 3.8/11.8  | 40432 |
| 1989 YH <sub>8</sub>   | 2003 09 16.5 | 23 35.30 | -15 04.6 | 18.6 | -0.92 | - 9.4 | 4.8/12.0  | 50366 |
| 1999 XN <sub>121</sub> | 2003 09 16.5 | 23 35.34 | -20 48.3 | 17.8 | -0.91 | 0.0   | 8.2/11.3  | 50444 |
| 1996 TG <sub>9</sub>   | 2003 09 16.6 | 23 35.30 | +00 06.6 | 19.8 | -0.93 | - 6.3 | 1.0/17.5  | 47704 |
| 1998 AS <sub>2</sub>   | 2003 09 16.6 | 23 35.38 | -00 21.3 | 20.0 | -0.96 | - 5.7 | 0.9/17.4  | 50380 |
| 1999 VV <sub>20</sub>  | 2003 09 16.6 | 23 35.40 | -27 12.1 | 18.7 | -0.93 | - 2.4 | 7.7/08.5  | 13619 |
| 2002 GX <sub>60</sub>  | 2003 09 16.6 | 23 35.41 | +03 00.2 | 18.7 | -0.89 | - 4.2 | 2.3/18.4  | 50603 |
| 2002 GM <sub>84</sub>  | 2003 09 16.6 | 23 35.45 | -12 29.2 | 19.0 | -0.82 | - 7.3 | 3.6/13.2  | 50604 |
| 2001 DF <sub>54</sub>  | 2003 09 16.6 | 23 35.49 | -04 16.4 | 18.0 | -0.64 | -12.2 | 0.5/16.0  | 50524 |
| 1995 VE <sub>14</sub>  | 2003 09 16.6 | 23 35.55 | -03 18.6 | 19.7 | -0.81 | - 7.3 | 0.2/16.4  | 163   |
| 2003 QT <sub>56</sub>  | 2003 09 16.6 | 23 35.56 | -13 54.9 | 19.2 | -0.78 | -10.0 | 5.7/12.5  | 50314 |
| 2002 CE <sub>116</sub> | 2003 09 16.6 | 23 35.57 | -43 52.3 | 17.9 | -1.64 | + 3.1 | 18.6/03.5 | 29830 |
| 2003 QZ <sub>36</sub>  | 2003 09 16.6 | 23 35.59 | -01 57.5 | 17.3 | -0.70 | - 8.4 | 0.3/16.9  | 50306 |
| 1999 RG <sub>241</sub> | 2003 09 16.6 | 23 35.60 | -00 03.5 | 18.8 | -0.99 | - 3.6 | 1.0/17.4  | 50421 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2000 VT <sub>30</sub>  | 2003 09 16.6 | 23 35.60 | -14 24.7 | 18.5 | -0.94 | - 6.7 | 4.9/12.7  | 50502 |
| 1999 TC <sub>188</sub> | 2003 09 16.6 | 23 35.60 | +02 35.4 | 17.7 | -1.08 | + 1.4 | 2.3/17.9  | 50428 |
| 2002 GO <sub>25</sub>  | 2003 09 16.6 | 23 35.61 | +01 09.1 | 19.3 | -0.85 | - 5.4 | 1.2/17.9  | 50602 |
| 1999 TC <sub>157</sub> | 2003 09 16.6 | 23 35.62 | -05 11.4 | 19.5 | -1.03 | - 0.6 | 1.0/16.0  | 49713 |
| 2001 FV <sub>86</sub>  | 2003 09 16.6 | 23 35.63 | -14 36.9 | 18.4 | -0.72 | - 7.6 | 3.9/12.2  | 50530 |
| 1999 TM <sub>41</sub>  | 2003 09 16.6 | 23 35.64 | -00 38.4 | 19.4 | -0.81 | - 5.5 | 0.7/17.3  | 50424 |
| 2000 LA <sub>10</sub>  | 2003 09 16.6 | 23 35.70 | -52 01.9 | 18.6 | -1.44 | + 0.4 | 21.4/01.0 | 30356 |
| 2000 YT <sub>106</sub> | 2003 09 16.7 | 23 35.66 | -15 57.0 | 20.1 | -0.89 | - 5.0 | 4.4/12.3  | 48001 |
| 3346 T-3               | 2003 09 16.7 | 23 35.67 | -06 23.2 | 18.5 | -0.96 | - 3.8 | 1.7/15.6  | 48392 |
| 2000 YX <sub>92</sub>  | 2003 09 16.7 | 23 35.67 | -09 06.8 | 18.7 | -0.90 | - 5.7 | 2.8/14.6  | 50514 |
| 2002 FR <sub>6</sub>   | 2003 09 16.7 | 23 35.68 | -05 34.1 | 18.6 | -0.91 | - 3.2 | 1.1/15.8  | 30097 |
| 2000 VB <sub>42</sub>  | 2003 09 16.7 | 23 35.70 | +01 25.0 | 19.0 | -0.97 | - 5.9 | 1.5/18.0  | 50502 |
| 1996 XH                | 2003 09 16.7 | 23 35.71 | -04 45.3 | 18.4 | -0.89 | - 7.0 | 0.9/16.0  | 50376 |
| 2000 AL <sub>21</sub>  | 2003 09 16.7 | 23 35.78 | -24 19.1 | 19.6 | -0.79 | - 4.5 | 6.5/09.0  | 47838 |
| 2001 AS                | 2003 09 16.7 | 23 35.78 | +00 53.3 | 19.2 | -0.92 | - 3.9 | 1.3/17.8  | 50516 |
| 2002 JR <sub>109</sub> | 2003 09 16.7 | 23 35.79 | -10 52.2 | 20.2 | -0.88 | - 4.5 | 2.5/14.1  | 35578 |
| 1999 JS <sub>106</sub> | 2003 09 16.7 | 23 35.79 | -11 19.8 | 18.0 | -0.96 | - 4.7 | 4.0/14.0  | 50410 |
| 1999 UN <sub>47</sub>  | 2003 09 16.7 | 23 35.87 | +02 29.9 | 17.4 | -0.85 | - 0.5 | 2.6/18.2  | 50433 |
| 1999 VD <sub>157</sub> | 2003 09 16.7 | 23 35.88 | -09 55.0 | 18.0 | -0.84 | - 3.9 | 2.8/14.4  | 50438 |
| 1996 VR <sub>5</sub>   | 2003 09 16.7 | 23 35.88 | -02 25.0 | 17.8 | -0.91 | - 6.8 | 0.1/16.8  | 50376 |
| 2000 WC <sub>19</sub>  | 2003 09 16.7 | 23 35.89 | -12 19.0 | 20.2 | -0.93 | - 5.4 | 3.2/13.6  | 33886 |
| 2002 JZ <sub>10</sub>  | 2003 09 16.7 | 23 35.90 | -12 53.2 | 19.1 | -0.88 | - 8.1 | 3.8/13.2  | 50607 |
| 1999 VR <sub>154</sub> | 2003 09 16.7 | 23 35.91 | -07 02.6 | 19.6 | -0.86 | - 4.7 | 1.6/15.3  | 31878 |
| 2002 JV <sub>26</sub>  | 2003 09 16.7 | 23 35.96 | -12 38.8 | 19.7 | -0.78 | - 5.1 | 3.0/13.4  | 32018 |
| 2002 EB <sub>115</sub> | 2003 09 16.7 | 23 35.98 | -14 06.7 | 18.7 | -0.96 | - 5.9 | 4.1/13.1  | 33972 |
| 1999 XA <sub>209</sub> | 2003 09 16.7 | 23 36.00 | +00 23.7 | 17.5 | -0.96 | - 0.9 | 1.2/17.6  | 50447 |
| 2000 AY <sub>121</sub> | 2003 09 16.7 | 23 36.05 | +21 44.8 | 20.1 | -0.78 | - 3.1 | 6.4/25.3  | 7518  |
| 2002 CC <sub>39</sub>  | 2003 09 16.7 | 23 36.06 | +02 05.0 | 19.6 | -0.85 | - 5.9 | 1.5/18.4  | 50590 |
| 2002 GK <sub>20</sub>  | 2003 09 16.8 | 23 36.05 | -22 12.7 | 18.1 | -1.01 | + 1.0 | 7.6/11.5  | 31992 |
| 1996 HZ <sub>12</sub>  | 2003 09 16.8 | 23 36.08 | -29 50.7 | 19.2 | -0.92 | - 0.4 | 7.9/08.5  | 12852 |
| 2000 WM <sub>55</sub>  | 2003 09 16.8 | 23 36.08 | -25 51.9 | 18.5 | -0.90 | - 5.7 | 7.8/08.4  | 50505 |
| 2002 JT <sub>48</sub>  | 2003 09 16.8 | 23 36.10 | +10 29.3 | 19.3 | -0.81 | - 7.1 | 4.6/21.5  | 50609 |
| 1999 VL <sub>36</sub>  | 2003 09 16.8 | 23 36.14 | +02 10.4 | 18.6 | -0.80 | - 5.6 | 1.6/18.4  | 50434 |
| 1998 QN <sub>41</sub>  | 2003 09 16.8 | 23 36.15 | -01 44.6 | 18.4 | -0.80 | - 4.6 | 0.3/17.1  | 50388 |
| 2000 YC <sub>114</sub> | 2003 09 16.8 | 23 36.23 | -02 44.8 | 20.2 | -0.87 | - 4.7 | 0.1/16.8  | 23616 |
| 2000 YK <sub>60</sub>  | 2003 09 16.8 | 23 36.29 | +07 31.0 | 19.3 | -0.93 | - 4.8 | 3.8/20.1  | 9903  |
| 1997 EG <sub>5</sub>   | 2003 09 16.8 | 23 36.32 | -02 12.0 | 20.3 | -0.81 | - 5.6 | 0.1/17.0  | 2626  |
| 1999 RF <sub>84</sub>  | 2003 09 16.8 | 23 36.34 | -02 13.6 | 18.4 | -0.84 | - 6.5 | 0.1/17.0  | 50416 |
| 2000 XU <sub>34</sub>  | 2003 09 16.8 | 23 36.36 | -16 49.7 | 18.9 | -0.77 | - 3.3 | 3.5/12.3  | 25893 |
| 2000 RY <sub>58</sub>  | 2003 09 16.8 | 23 36.42 | +00 30.5 | 19.8 | -1.03 | - 5.3 | 1.3/17.8  | 31331 |
| 2000 UC <sub>10</sub>  | 2003 09 16.8 | 23 36.43 | -14 19.6 | 18.5 | -1.03 | - 3.7 | 4.7/13.3  | 50498 |
| 2000 WT <sub>54</sub>  | 2003 09 16.8 | 23 36.44 | -06 38.2 | 18.1 | -0.96 | - 5.1 | 1.6/15.6  | 50505 |
| 1996 TQ                | 2003 09 16.9 | 23 36.42 | -08 29.9 | 18.4 | -0.95 | - 6.3 | 2.4/15.0  | 50376 |
| 2002 GS <sub>36</sub>  | 2003 09 16.9 | 23 36.47 | -07 12.6 | 18.6 | -1.01 | - 3.0 | 2.0/15.6  | 50602 |
| 2002 JE <sub>92</sub>  | 2003 09 16.9 | 23 36.51 | -02 26.8 | 19.1 | -0.87 | - 5.2 | 0.0/17.0  | 50610 |
| 1999 XO <sub>37</sub>  | 2003 09 16.9 | 23 36.53 | -32 51.1 | 16.5 | -0.72 | - 6.5 | 12.2/04.1 | 50442 |
| 1999 VY <sub>163</sub> | 2003 09 16.9 | 23 36.56 | -02 24.4 | 18.4 | -0.84 | - 4.7 | 0.0/17.0  | 50438 |
| 1998 WO <sub>17</sub>  | 2003 09 16.9 | 23 36.58 | +26 27.7 | 18.8 | -0.73 | - 5.1 | 7.9/28.2  | 50399 |
| 1999 RG <sub>90</sub>  | 2003 09 16.9 | 23 36.61 | -10 16.0 | 17.6 | -0.85 | - 7.7 | 3.3/14.2  | 50416 |
| 2001 DN <sub>37</sub>  | 2003 09 16.9 | 23 36.65 | -02 44.7 | 18.6 | -0.93 | - 4.8 | 0.1/16.9  | 49902 |
| 2000 YW <sub>6</sub>   | 2003 09 16.9 | 23 36.65 | +05 23.9 | 18.4 | -0.84 | - 4.2 | 2.3/19.5  | 50511 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 TN <sub>185</sub> | 2003 09 16.9 | 23 36.70 +22 31.9 19.5 | -0.83 - 3.3 | 11.0/25.7 | 7509  |
| 1999 TH <sub>219</sub> | 2003 09 16.9 | 23 36.74 -06 29.0 18.4 | -1.16 + 7.4 | 2.1/16.3  | 49721 |
| 2000 ES <sub>120</sub> | 2003 09 17.0 | 23 36.72 -02 53.2 18.6 | -0.91 - 0.5 | 0.1/16.9  | 49795 |
| 1998 FM <sub>65</sub>  | 2003 09 17.0 | 23 36.73 +03 08.0 19.8 | -0.87 - 6.8 | 1.9/18.9  | 50383 |
| 1999 XU <sub>148</sub> | 2003 09 17.0 | 23 36.74 +01 47.1 19.5 | -0.79 - 6.0 | 1.6/18.5  | 50445 |
| 2000 EU <sub>18</sub>  | 2003 09 17.0 | 23 36.81 -07 16.3 20.0 | -0.70 - 5.0 | 1.3/15.4  | 47861 |
| 2000 VL <sub>1</sub>   | 2003 09 17.0 | 23 36.81 -44 06.4 21.2 | -1.01 - 4.0 | 9.4/01.0  | 14417 |
| 2002 JN <sub>62</sub>  | 2003 09 17.0 | 23 36.82 -27 16.9 19.8 | -0.95 - 3.3 | 8.1/08.8  | 33999 |
| 2001 DP <sub>34</sub>  | 2003 09 17.0 | 23 36.86 -11 45.3 19.9 | -0.77 - 7.1 | 2.8/13.8  | 31400 |
| 1996 HY <sub>18</sub>  | 2003 09 17.0 | 23 36.88 +07 08.8 18.7 | -0.69 - 6.6 | 2.9/20.6  | 16007 |
| 2000 WA <sub>126</sub> | 2003 09 17.0 | 23 36.90 +03 30.1 18.5 | -1.02 - 4.0 | 2.3/18.8  | 50507 |
| 2002 CM <sub>4</sub>   | 2003 09 17.0 | 23 36.91 +18 35.7 21.6 | -1.09 - 1.8 | 5.8/23.5  | 30635 |
| 2000 SZ <sub>265</sub> | 2003 09 17.0 | 23 36.94 -13 19.7 18.2 | -1.01 - 5.1 | 4.7/13.7  | 50494 |
| 2000 WF <sub>129</sub> | 2003 09 17.0 | 23 36.95 +04 24.9 19.3 | -0.92 - 6.3 | 2.4/19.3  | 50507 |
| 2002 JG <sub>116</sub> | 2003 09 17.0 | 23 37.02 +07 49.5 18.3 | -0.64 -10.4 | 2.9/21.2  | 50087 |
| 1999 WB <sub>10</sub>  | 2003 09 17.0 | 23 37.04 +21 44.4 19.1 | -0.77 - 4.6 | 6.3/25.8  | 33842 |
| 1995 BU <sub>8</sub>   | 2003 09 17.0 | 23 37.07 -05 12.6 19.3 | -0.76 - 4.6 | 0.8/16.2  | 38764 |
| 2003 QB <sub>20</sub>  | 2003 09 17.0 | 23 37.10 -13 32.6 17.3 | -0.71 -10.2 | 5.4/12.7  | 50787 |
| 1995 BX <sub>7</sub>   | 2003 09 17.0 | 23 37.11 -02 42.4 20.3 | -0.99 - 5.5 | 0.1/17.0  | 47695 |
| 2001 FU <sub>106</sub> | 2003 09 17.0 | 23 37.11 -05 02.0 19.4 | -0.76 - 5.7 | 0.8/16.2  | 48024 |
| 1999 JE <sub>46</sub>  | 2003 09 17.0 | 23 37.12 -11 44.0 17.6 | -0.91 - 5.9 | 4.2/14.1  | 50408 |
| 2002 KQ <sub>9</sub>   | 2003 09 17.1 | 23 37.06 -11 17.5 18.2 | -0.66 - 9.3 | 2.5/13.7  | 50092 |
| 2002 JA <sub>16</sub>  | 2003 09 17.1 | 23 37.15 +18 13.0 18.1 | -0.94 -17.3 | 8.5/25.7  | 50075 |
| 1998 HP <sub>3</sub>   | 2003 09 17.1 | 23 37.15 -04 29.5 19.0 | -0.86 - 6.8 | 0.7/16.4  | 50384 |
| 2002 DC <sub>10</sub>  | 2003 09 17.1 | 23 37.16 -03 59.3 17.7 | -1.64 + 5.0 | 0.7/16.9  | 50012 |
| 1999 XW <sub>55</sub>  | 2003 09 17.1 | 23 37.18 -02 12.9 18.9 | -0.81 - 5.1 | 0.1/17.2  | 50442 |
| 2002 LC <sub>33</sub>  | 2003 09 17.1 | 23 37.22 -05 13.4 18.8 | -0.77 - 9.1 | 0.9/16.1  | 50094 |
| 2000 WE <sub>120</sub> | 2003 09 17.1 | 23 37.23 +08 04.6 18.9 | -0.98 - 4.7 | 4.0/20.4  | 47991 |
| 2002 GE <sub>27</sub>  | 2003 09 17.1 | 23 37.30 +00 15.3 20.3 | -0.91 - 7.1 | 1.0/18.1  | 31506 |
| 2001 FV <sub>46</sub>  | 2003 09 17.1 | 23 37.32 +03 58.9 19.1 | -0.66 - 6.2 | 1.7/19.5  | 50528 |
| 2000 ST <sub>180</sub> | 2003 09 17.1 | 23 37.33 +06 06.6 18.7 | -0.84 - 9.5 | 3.5/20.3  | 50492 |
| 2002 EL <sub>22</sub>  | 2003 09 17.1 | 23 37.40 -09 33.3 20.3 | -1.00 - 4.1 | 2.5/15.0  | 30705 |
| 2001 CD <sub>7</sub>   | 2003 09 17.1 | 23 37.46 -09 28.8 19.0 | -0.79 - 6.2 | 2.2/14.8  | 50521 |
| 1993 FE <sub>45</sub>  | 2003 09 17.2 | 23 37.52 -04 21.3 20.1 | -0.87 - 4.7 | 0.6/16.6  | 14103 |
| 2002 EX <sub>69</sub>  | 2003 09 17.2 | 23 37.56 -00 55.3 19.3 | -0.88 - 6.6 | 0.6/17.7  | 50026 |
| 2000 AQ <sub>128</sub> | 2003 09 17.2 | 23 37.59 +03 42.4 19.1 | -0.72 - 4.2 | 1.6/19.3  | 39577 |
| 2000 DO <sub>41</sub>  | 2003 09 17.2 | 23 37.66 -06 16.7 19.6 | -0.71 - 6.3 | 1.2/15.9  | 26931 |
| 2001 DQ <sub>32</sub>  | 2003 09 17.2 | 23 37.68 -07 37.2 19.8 | -0.89 - 4.9 | 1.9/15.6  | 23618 |
| 2000 WS <sub>23</sub>  | 2003 09 17.2 | 23 37.76 -05 24.6 18.1 | -0.85 - 8.9 | 1.1/16.2  | 50504 |
| 1998 RH <sub>77</sub>  | 2003 09 17.2 | 23 37.79 -05 57.2 18.6 | -0.70 - 7.6 | 1.1/16.0  | 50391 |
| 2002 JY <sub>12</sub>  | 2003 09 17.2 | 23 37.84 -16 49.4 19.5 | -0.90 - 4.5 | 4.8/12.6  | 50607 |
| 1999 NP <sub>22</sub>  | 2003 09 17.3 | 23 37.80 -13 52.4 17.9 | -0.86 - 6.8 | 5.1/13.4  | 49667 |
| 2001 CJ <sub>44</sub>  | 2003 09 17.3 | 23 37.85 -24 54.5 20.1 | -0.75 - 3.5 | 5.4/09.6  | 18312 |
| 2002 HB <sub>12</sub>  | 2003 09 17.3 | 23 37.86 -05 50.3 18.8 | -0.92 - 6.2 | 1.4/16.2  | 50606 |
| 2002 EY <sub>85</sub>  | 2003 09 17.3 | 23 37.88 -06 51.4 19.5 | -0.89 - 6.1 | 1.8/15.9  | 50598 |
| 1999 RY <sub>110</sub> | 2003 09 17.3 | 23 37.89 +03 34.6 18.7 | -0.90 - 3.3 | 1.8/19.2  | 50417 |
| 2002 EG <sub>20</sub>  | 2003 09 17.3 | 23 37.92 -02 29.4 19.5 | -0.90 - 6.5 | 0.0/17.3  | 31977 |
| 2003 QD <sub>41</sub>  | 2003 09 17.3 | 23 37.93 -01 24.6 18.0 | -0.95 - 1.7 | 0.4/17.6  | 50308 |
| 2001 DB <sub>89</sub>  | 2003 09 17.3 | 23 37.95 -04 30.4 21.1 | -0.71 - 6.0 | 0.6/16.6  | 23618 |
| 2000 SH <sub>23</sub>  | 2003 09 17.3 | 23 37.95 -14 52.2 18.1 | -1.00 - 4.7 | 4.8/13.5  | 50488 |
| 2000 SH <sub>178</sub> | 2003 09 17.3 | 23 37.96 +01 19.6 18.3 | -1.06 - 3.8 | 1.5/18.4  | 33883 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 JD <sub>122</sub> | 2003 09 17.3 | 23 38.03 -12 20.0 18.0 | -0.98 - 5.5 | 4.0/14.2  | 50410 |
| 2001 AA <sub>37</sub>  | 2003 09 17.3 | 23 38.05 -14 12.7 17.1 | -1.07 - 1.2 | 5.5/14.0  | 49882 |
| 2000 XA <sub>10</sub>  | 2003 09 17.3 | 23 38.07 -25 55.6 18.8 | -0.95 - 3.0 | 7.7/09.7  | 33888 |
| 2002 GX <sub>126</sub> | 2003 09 17.3 | 23 38.13 +03 18.5 17.4 | -0.81 - 7.6 | 2.7/19.4  | 50065 |
| 2000 UG <sub>80</sub>  | 2003 09 17.3 | 23 38.18 -13 32.8 17.8 | -1.01 - 3.1 | 5.4/14.0  | 50500 |
| 2000 XQ <sub>26</sub>  | 2003 09 17.3 | 23 38.20 +02 30.8 17.7 | -1.05 - 3.0 | 2.1/18.8  | 50510 |
| 2002 DL <sub>18</sub>  | 2003 09 17.3 | 23 38.21 -13 16.9 19.5 | -1.80 + 9.0 | 5.8/15.9  | 50595 |
| 1999 SE <sub>18</sub>  | 2003 09 17.3 | 23 38.23 -20 57.5 18.0 | -1.15 + 2.4 | 8.4/13.2  | 29105 |
| 1995 FA <sub>8</sub>   | 2003 09 17.4 | 23 38.16 -09 32.7 18.2 | -0.70 - 6.2 | 2.1/14.8  | 50372 |
| 2002 GM <sub>125</sub> | 2003 09 17.4 | 23 38.16 +04 37.2 18.2 | -0.83 - 8.9 | 2.9/19.9  | 50065 |
| 2000 WM <sub>61</sub>  | 2003 09 17.4 | 23 38.17 +02 24.7 18.2 | -0.92 - 6.4 | 1.8/19.0  | 50505 |
| 2001 CK <sub>16</sub>  | 2003 09 17.4 | 23 38.18 +05 01.6 19.1 | -0.91 - 2.8 | 2.3/19.6  | 12286 |
| 2002 JK <sub>59</sub>  | 2003 09 17.4 | 23 38.20 -04 12.9 18.5 | -0.80 - 4.4 | 0.7/16.8  | 50080 |
| 2001 DB <sub>88</sub>  | 2003 09 17.4 | 23 38.20 +06 23.5 18.5 | -0.83 - 2.8 | 2.6/20.2  | 50525 |
| 1999 XL <sub>112</sub> | 2003 09 17.4 | 23 38.21 -21 47.1 19.1 | -0.77 - 3.6 | 5.2/10.8  | 50444 |
| 2000 AK <sub>2</sub>   | 2003 09 17.4 | 23 38.23 +04 57.6 16.5 | -1.01 + 0.8 | 3.4/19.3  | 50449 |
| 1995 CY <sub>2</sub>   | 2003 09 17.4 | 23 38.23 -02 31.5 19.4 | -0.72 - 5.6 | 0.0/17.4  | 12847 |
| 2000 FP <sub>51</sub>  | 2003 09 17.4 | 23 38.35 -10 52.9 19.2 | -0.94 - 1.3 | 3.1/14.9  | 49796 |
| 2002 LM <sub>51</sub>  | 2003 09 17.4 | 23 38.37 -27 57.3 19.0 | -0.90 - 5.3 | 9.9/07.8  | 50095 |
| 1999 VN <sub>4</sub>   | 2003 09 17.4 | 23 38.37 -02 36.5 18.6 | -0.83 - 8.6 | 0.1/17.4  | 49736 |
| 2000 XG <sub>50</sub>  | 2003 09 17.4 | 23 38.47 -08 27.1 19.4 | -0.91 - 2.3 | 1.8/15.7  | 47997 |
| 2002 GO <sub>102</sub> | 2003 09 17.4 | 23 38.53 -14 50.4 19.1 | -0.79 - 7.0 | 4.4/13.1  | 50604 |
| 2002 JW <sub>68</sub>  | 2003 09 17.5 | 23 38.50 -26 37.4 19.4 | -1.03 - 2.9 | 8.1/09.9  | 32024 |
| 2002 FZ <sub>2</sub>   | 2003 09 17.5 | 23 38.52 -07 51.0 19.1 | -0.90 - 6.0 | 2.0/15.7  | 30092 |
| 2001 BL <sub>36</sub>  | 2003 09 17.5 | 23 38.54 +02 24.3 19.4 | -0.88 - 3.0 | 1.5/19.0  | 12276 |
| 2002 JO                | 2003 09 17.5 | 23 38.66 -11 50.5 19.9 | -0.79 - 6.9 | 3.2/14.2  | 50074 |
| 2002 LB <sub>28</sub>  | 2003 09 17.5 | 23 38.71 +08 59.0 18.7 | -0.69 - 7.6 | 3.9/21.8  | 50613 |
| 2002 JC <sub>22</sub>  | 2003 09 17.5 | 23 38.72 -11 18.9 19.3 | -0.90 - 6.0 | 3.1/14.6  | 48233 |
| 2002 JP <sub>13</sub>  | 2003 09 17.5 | 23 38.73 -15 37.3 19.6 | -0.73 - 6.0 | 4.4/12.8  | 50607 |
| 2001 FL <sub>89</sub>  | 2003 09 17.5 | 23 38.76 -03 49.6 21.6 | -0.73 - 6.8 | 0.5/17.0  | 17582 |
| 2001 DX <sub>59</sub>  | 2003 09 17.5 | 23 38.78 +08 50.4 19.2 | -0.94 - 2.9 | 3.8/20.9  | 50524 |
| 2000 AV <sub>17</sub>  | 2003 09 17.5 | 23 38.79 -04 36.4 18.2 | -0.84 - 4.8 | 0.8/16.8  | 50450 |
| 1999 RR <sub>12</sub>  | 2003 09 17.5 | 23 38.85 +06 19.2 18.0 | -0.94 - 2.9 | 3.7/20.1  | 50414 |
| 1998 XX <sub>6</sub>   | 2003 09 17.5 | 23 38.92 -02 47.4 18.3 | -0.72 - 5.2 | 0.2/17.4  | 50399 |
| 2002 JF <sub>43</sub>  | 2003 09 17.5 | 23 38.93 +02 35.0 18.8 | -0.86 - 3.5 | 1.7/19.1  | 50608 |
| 2000 HG <sub>5</sub>   | 2003 09 17.5 | 23 38.94 -46 37.0 19.5 | -1.85 + 9.8 | 22.3/09.1 | 47886 |
| 2002 EM <sub>88</sub>  | 2003 09 17.5 | 23 38.95 -11 34.0 18.5 | -0.96 - 3.4 | 3.7/14.8  | 50030 |
| 2001 DE <sub>70</sub>  | 2003 09 17.6 | 23 38.89 -00 27.3 20.3 | -0.87 - 5.0 | 0.6/18.2  | 11899 |
| 2002 DK <sub>2</sub>   | 2003 09 17.6 | 23 38.96 -03 21.4 19.0 | -0.92 - 9.6 | 0.4/17.2  | 33967 |
| 2001 CH <sub>17</sub>  | 2003 09 17.6 | 23 38.97 -03 16.3 19.3 | -0.89 - 5.2 | 0.4/17.3  | 50521 |
| 2000 DN <sub>84</sub>  | 2003 09 17.6 | 23 38.99 +04 53.8 18.0 | -0.80 - 2.7 | 2.3/19.9  | 49792 |
| 1997 HY <sub>10</sub>  | 2003 09 17.6 | 23 38.99 -13 24.9 20.0 | -0.93 - 3.8 | 3.4/14.1  | 47712 |
| 2001 FN <sub>73</sub>  | 2003 09 17.6 | 23 39.03 -05 05.3 18.0 | -0.68 - 8.1 | 0.9/16.6  | 50529 |
| 2001 XE <sub>193</sub> | 2003 09 17.6 | 23 39.04 -42 55.1 19.8 | -1.12 - 7.8 | 16.5/01.0 | 30583 |
| 1999 UP <sub>11</sub>  | 2003 09 17.6 | 23 39.05 +00 40.9 17.8 | -1.09 + 1.9 | 1.3/18.3  | 49731 |
| 2002 EG <sub>99</sub>  | 2003 09 17.6 | 23 39.06 -03 07.2 18.8 | -0.98 - 4.3 | 0.3/17.4  | 31981 |
| 2000 YY <sub>37</sub>  | 2003 09 17.6 | 23 39.06 -08 09.9 19.6 | -0.84 - 6.4 | 1.9/15.7  | 31371 |
| 1998 HT <sub>143</sub> | 2003 09 17.6 | 23 39.07 -04 47.0 20.6 | -0.90 - 4.9 | 0.8/16.9  | 47731 |
| 2000 YU <sub>127</sub> | 2003 09 17.6 | 23 39.09 -07 36.3 16.8 | -0.97 - 2.5 | 2.7/16.1  | 49877 |
| 1998 XY                | 2003 09 17.6 | 23 39.12 -03 00.3 17.8 | -0.73 - 5.2 | 0.3/17.4  | 50399 |
| 1999 VM <sub>47</sub>  | 2003 09 17.6 | 23 39.12 -08 52.4 18.7 | -1.16 + 1.6 | 2.4/16.1  | 50435 |



2003 SEPT. 10

M.P.C. 49713

1999 VC<sub>172</sub> 2003 09 17.6 23 39.22 -03 32.4 19.1 -0.82 - 4.4 0.4/17.3 50438  
 2002 EO<sub>12</sub> 2003 09 17.6 23 39.22 +04 32.2 17.9 -0.95 - 4.7 2.9/19.8 50596  
 2002 JJ<sub>70</sub> 2003 09 17.6 23 39.23 -06 56.0 19.3 -0.77 - 8.0 1.5/16.0 31702  
 2000 YW<sub>33</sub> 2003 09 17.7 23 39.21 +03 48.4 18.9 -0.83 - 6.3 2.0/19.8 11014  
 2000 DX<sub>64</sub> 2003 09 17.7 23 39.22 -01 52.2 18.9 -0.72 - 5.0 0.1/17.8 50462  
 2002 LD<sub>22</sub> 2003 09 17.7 23 39.23 +03 46.4 19.2 -0.74 - 5.1 1.9/19.8 50093  
 2001 FV<sub>30</sub> 2003 09 17.7 23 39.25 -07 02.4 19.0 -0.75 - 4.6 1.4/16.1 49911  
 2002 JE<sub>42</sub> 2003 09 17.7 23 39.26 -11 29.9 19.4 -0.99 - 3.7 3.4/14.9 50608  
 1998 VP<sub>7</sub> 2003 09 17.7 23 39.29 -19 30.1 19.4 -0.86 - 3.2 5.5/12.0 50397  
 2000 WW<sub>177</sub> 2003 09 17.7 23 39.33 +00 28.6 20.1 -0.92 - 5.8 0.9/18.6 33887  
 2001 DU<sub>72</sub> 2003 09 17.7 23 39.38 +00 09.2 20.9 -0.86 - 5.5 0.8/18.5 48012  
 2000 VA<sub>50</sub> 2003 09 17.7 23 39.39 -11 10.3 17.5 -0.89 - 2.9 4.7/15.0 50503  
 2001 FJ<sub>1</sub> 2003 09 17.7 23 39.41 +06 03.5 17.8 -0.85 -18.4 3.4/21.0 49909  
 2001 BA<sub>20</sub> 2003 09 17.7 23 39.42 -10 50.9 18.9 -0.89 - 5.1 3.9/14.9 50518  
 2002 JM<sub>105</sub> 2003 09 17.7 23 39.42 -13 03.7 20.5 -0.76 - 4.6 3.0/14.1 48236  
 2001 AR<sub>23</sub> 2003 09 17.7 23 39.44 +11 58.2 19.2 -0.89 - 3.5 4.4/22.3 12269  
 1992 SK<sub>3</sub> 2003 09 17.7 23 39.45 -06 15.0 18.9 -0.69 - 7.7 1.3/16.3 50367  
 1998 DC 2003 09 17.7 23 39.47 +00 56.8 19.2 -0.89 - 7.4 1.1/18.8 30260  
 1999 UX<sub>47</sub> 2003 09 17.7 23 39.48 -01 58.0 18.4 -0.93 - 2.8 0.1/17.8 50433  
 2003 OW<sub>19</sub> 2003 09 17.7 23 39.49 -05 29.2 17.6 -0.66 - 9.3 1.6/16.5 50265  
 1999 JZ<sub>131</sub> 2003 09 17.7 23 39.50 -05 47.8 19.1 -0.97 - 6.1 1.4/16.6 50411  
 1997 GU<sub>10</sub> 2003 09 17.7 23 39.58 -00 20.5 20.6 -0.86 - 6.8 0.6/18.4 47711  
 2000 YA<sub>128</sub> 2003 09 17.8 23 39.59 -11 41.8 18.8 -0.85 - 5.6 3.5/14.7 50515  
 2000 YQ<sub>61</sub> 2003 09 17.8 23 39.62 +16 29.8 18.7 -0.88 - 3.9 5.9/24.1 38288  
 2001 EG<sub>16</sub> 2003 09 17.8 23 39.65 -06 18.6 21.0 -0.87 - 5.1 1.2/16.5 13821  
 2001 FS<sub>144</sub> 2003 09 17.8 23 39.76 -01 07.5 18.4 -0.68 - 7.4 0.3/18.2 50531  
 2002 LU<sub>9</sub> 2003 09 17.8 23 39.78 +03 30.8 18.7 -0.77 - 7.1 1.8/19.9 50612  
 2000 WX<sub>72</sub> 2003 09 17.8 23 39.79 -03 45.5 18.3 -1.03 - 3.7 0.6/17.4 50506  
 2000 YV<sub>61</sub> 2003 09 17.8 23 39.79 -01 36.9 19.6 -0.92 - 6.3 0.2/18.0 11016  
 1999 VP<sub>187</sub> 2003 09 17.8 23 39.79 -05 54.9 19.5 -0.80 - 6.0 1.3/16.6 12200  
 1998 TA<sub>10</sub> 2003 09 17.8 23 39.80 -12 19.9 18.0 -0.84 - 2.2 3.7/14.7 50396  
 2000 WN<sub>75</sub> 2003 09 17.8 23 39.80 -09 40.3 18.8 -1.04 - 3.2 2.9/15.7 29558  
 2001 FG<sub>89</sub> 2003 09 17.8 23 39.83 -04 42.7 19.8 -0.99 - 2.0 0.9/17.1 48022  
 1999 TK<sub>229</sub> 2003 09 17.8 23 39.84 +03 02.4 19.8 -0.79 -10.3 2.1/19.8 50429  
 1999 TS<sub>241</sub> 2003 09 17.8 23 39.88 -20 27.3 18.8 -0.90 - 4.0 5.9/11.8 50430  
 1999 XH<sub>192</sub> 2003 09 17.8 23 39.94 +02 50.0 17.8 -0.88 - 3.0 1.9/19.4 49768  
 1998 FE<sub>122</sub> 2003 09 17.8 23 39.97 -06 09.6 17.8 -0.97 - 3.3 1.5/16.7 50384  
 2001 BT 2003 09 17.9 23 39.93 -11 57.5 18.5 -0.84 - 4.6 3.3/14.7 50518  
 1998 HQ<sub>35</sub> 2003 09 17.9 23 39.96 +01 43.8 18.4 -0.76 -11.3 1.4/19.4 50385  
 2000 VM<sub>12</sub> 2003 09 17.9 23 40.03 -12 18.6 19.9 -0.99 - 5.1 4.3/14.7 50501  
 2000 ER<sub>18</sub> 2003 09 17.9 23 40.05 -07 11.1 19.6 -0.71 - 4.7 1.4/16.2 41610  
 2000 DU<sub>37</sub> 2003 09 17.9 23 40.07 -02 49.9 19.9 -0.72 - 5.0 0.2/17.7 4562  
 2000 DQ<sub>111</sub> 2003 09 17.9 23 40.08 -05 22.6 18.4 -0.74 - 6.4 1.1/16.8 50463  
 2001 DY<sub>39</sub> 2003 09 17.9 23 40.08 +04 38.8 19.2 -0.92 - 2.7 2.7/20.0 50524  
 2002 JH<sub>121</sub> 2003 09 17.9 23 40.13 -23 38.8 19.5 -0.86 - 5.3 6.5/10.5 50611  
 2000 YX<sub>102</sub> 2003 09 17.9 23 40.13 -02 45.3 18.2 -0.87 - 9.3 0.2/17.7 49873  
 2002 GH<sub>114</sub> 2003 09 17.9 23 40.20 -11 11.1 18.4 -0.98 - 5.2 3.4/15.1 32006  
 1999 TL<sub>40</sub> 2003 09 17.9 23 40.21 -06 16.7 18.4 -0.68 - 8.8 1.9/16.4 49701  
 2002 JP<sub>145</sub> 2003 09 17.9 23 40.21 -14 13.8 18.6 -0.76 - 8.4 3.8/13.5 34009  
 2002 CD<sub>62</sub> 2003 09 17.9 23 40.21 -15 00.0 19.8 -0.98 - 5.5 4.4/13.9 31967  
 1999 XK<sub>206</sub> 2003 09 17.9 23 40.29 -14 44.1 18.5 -0.84 - 2.3 3.8/14.0 50447

2001 ER<sub>5</sub> 2003 09 17.9 23 40.29 -08 09.0 19.6 -0.75 - 3.6 1.7/16.0 50526  
 2000 WD<sub>46</sub> 2003 09 17.9 23 40.32 +03 48.8 19.0 -0.87 - 8.4 2.6/20.1 33309  
 2001 FP<sub>27</sub> 2003 09 18.0 23 40.29 +06 56.5 18.1 -0.71 - 6.9 2.7/21.3 50528  
 2002 JP<sub>38</sub> 2003 09 18.0 23 40.30 -10 29.0 20.0 -1.00 - 3.6 2.9/15.5 32019  
 2001 AO<sub>44</sub> 2003 09 18.0 23 40.37 +11 41.7 18.9 -0.87 - 2.1 4.0/22.4 49884  
 2001 FY<sub>190</sub> 2003 09 18.0 23 40.43 -05 49.8 20.2 -0.83 - 7.4 1.3/16.7 49917  
 2000 SZ<sub>145</sub> 2003 09 18.0 23 40.44 -00 58.5 18.8 -1.03 - 4.8 0.5/18.4 50491  
 2002 JE<sub>12</sub> 2003 09 18.0 23 40.45 -41 29.6 20.6 -0.97 - 0.7 11.1/04.4 33996  
 2000 AA<sub>85</sub> 2003 09 18.0 23 40.51 -04 07.3 19.0 -0.72 - 5.0 0.5/17.4 50452  
 1995 WC<sub>37</sub> 2003 09 18.0 23 40.56 -15 11.0 19.2 -0.78 - 8.4 4.8/13.2 50374  
 2002 JX<sub>66</sub> 2003 09 18.0 23 40.57 -04 25.5 19.9 -0.91 - 6.8 0.8/17.3 31698  
 2001 KM<sub>9</sub> 2003 09 18.0 23 40.57 +13 11.0 18.7 -0.67 - 7.5 4.2/23.9 31948  
 2001 BG<sub>72</sub> 2003 09 18.0 23 40.59 +11 33.9 18.5 -0.82 - 5.1 4.2/22.7 16091  
 2001 DG<sub>62</sub> 2003 09 18.0 23 40.61 -06 19.8 20.9 -0.74 - 6.9 1.2/16.6 48012  
 2002 LC<sub>45</sub> 2003 09 18.0 23 40.61 -25 18.4 18.5 -0.85 - 5.1 7.7/09.9 34017  
 2001 DN<sub>23</sub> 2003 09 18.0 23 40.62 -10 01.6 18.7 -0.78 - 6.4 2.7/15.3 50523  
 1995 UA<sub>18</sub> 2003 09 18.0 23 40.62 +02 27.0 20.3 -0.83 - 6.6 1.8/19.6 15019  
 2000 VO<sub>56</sub> 2003 09 18.0 23 40.67 -08 11.9 18.8 -1.03 - 4.0 2.3/16.3 50503  
 2002 LX<sub>21</sub> 2003 09 18.1 23 40.66 -05 10.3 18.9 -0.77 - 4.5 1.0/17.1 50093  
 1999 VV<sub>199</sub> 2003 09 18.1 23 40.67 -29 26.7 18.2 -0.80 - 5.5 11.9/06.7 2691  
 1999 VA<sub>211</sub> 2003 09 18.1 23 40.68 -30 34.8 18.8 -0.96 - 4.1 11.0/07.2 2692  
 2001 FB<sub>48</sub> 2003 09 18.1 23 40.74 -16 45.4 18.9 -0.95 - 1.2 4.7/13.8 50528  
 2002 JO<sub>22</sub> 2003 09 18.1 23 40.76 -03 48.8 18.0 -0.74 - 5.5 0.6/17.5 50607  
 2001 FN<sub>39</sub> 2003 09 18.1 23 40.77 -01 41.8 18.8 -0.65 -10.9 0.1/18.3 50528  
 2000 SA<sub>231</sub> 2003 09 18.1 23 40.82 -08 01.3 18.5 -0.97 + 0.1 3.3/16.5 49823  
 1999 JY<sub>54</sub> 2003 09 18.1 23 40.85 -13 26.4 17.4 -1.02 - 3.2 5.0/14.8 50409  
 1999 SD<sub>6</sub> 2003 09 18.1 23 40.91 -14 26.9 18.5 -0.77 - 7.6 5.5/13.6 49696  
 2002 EL<sub>97</sub> 2003 09 18.1 23 40.92 +07 31.9 18.9 -1.02 - 6.3 3.8/21.3 30720  
 2002 JW<sub>64</sub> 2003 09 18.1 23 40.95 +08 08.1 17.8 -0.67 - 7.8 3.3/22.0 50609  
 1999 TQ<sub>18</sub> 2003 09 18.1 23 40.96 -05 30.1 17.8 -0.90 - 2.6 1.5/17.1 50423  
 2001 FX<sub>151</sub> 2003 09 18.1 23 40.99 -27 13.4 19.3 -0.73 - 3.0 5.8/09.4 31945  
 2000 UB<sub>5</sub> 2003 09 18.1 23 41.01 -08 56.6 18.5 -1.00 - 4.5 2.7/16.1 50498  
 1998 SE<sub>149</sub> 2003 09 18.2 23 41.01 -03 04.6 18.7 -0.75 - 5.5 0.3/17.9 50395  
 1999 VT<sub>47</sub> 2003 09 18.2 23 41.06 +20 01.5 17.2 -0.89 - 1.6 10.1/25.2 50435  
 2000 WD<sub>136</sub> 2003 09 18.2 23 41.12 +08 23.6 18.3 -0.95 - 6.2 4.7/21.7 50507  
 1993 UH<sub>8</sub> 2003 09 18.2 23 41.15 -09 19.4 19.3 -0.90 - 8.4 2.9/15.7 50369  
 2000 YA<sub>45</sub> 2003 09 18.2 23 41.18 -12 13.7 17.6 -0.83 - 8.5 4.3/14.5 50512  
 2002 FC<sub>3</sub> 2003 09 18.2 23 41.18 -05 47.1 18.1 -1.72 + 9.5 2.0/17.8 50040  
 1999 VR<sub>13</sub> 2003 09 18.2 23 41.29 -35 37.4 18.0 -1.57 + 9.7 15.0/12.1 47818  
 1999 VD<sub>43</sub> 2003 09 18.2 23 41.31 -08 46.3 19.1 -0.81 - 5.2 2.3/16.0 50434  
 2001 FF<sub>167</sub> 2003 09 18.3 23 41.41 -03 30.0 18.9 -0.72 - 5.6 0.4/17.8 50532  
 2000 YD<sub>11</sub> 2003 09 18.3 23 41.42 +04 43.4 19.8 -0.90 - 4.4 2.2/20.4 17509  
 2001 FR<sub>188</sub> 2003 09 18.3 23 41.44 -20 09.1 18.5 -0.77 - 4.2 5.4/12.1 50532  
 1998 HU<sub>7</sub> 2003 09 18.3 23 41.53 -07 12.0 19.5 -0.94 - 3.9 1.8/16.8 31814  
 2000 YJ<sub>45</sub> 2003 09 18.3 23 41.55 -05 32.3 19.2 -0.89 - 7.7 1.3/17.1 9491  
 2000 CX<sub>33</sub> 2003 09 18.3 23 41.60 -11 31.0 19.9 -0.69 - 6.7 2.4/14.9 2735  
 2000 WA<sub>55</sub> 2003 09 18.3 23 41.60 +39 25.1 18.6 -1.26 + 2.6 16.6/30.5 9873  
 2002 EU<sub>26</sub> 2003 09 18.3 23 41.62 -01 11.6 19.3 -0.90 - 7.8 0.3/18.6 31977  
 2000 YD<sub>54</sub> 2003 09 18.3 23 41.65 +06 41.2 18.5 -0.95 - 4.6 3.4/21.0 50513  
 2001 CO<sub>24</sub> 2003 09 18.3 23 41.66 -02 43.6 19.8 -0.82 - 7.2 0.2/18.1 10772  
 2001 FD<sub>17</sub> 2003 09 18.3 23 41.67 -01 41.8 19.7 -0.75 - 5.4 0.1/18.5 48018

|                        |              |                        |             |           |       |                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2000 VO <sub>23</sub>  | 2003 09 18.3 | 23 41.67 +05 16.7 18.2 | -0.95 - 7.3 | 2.9/20.8  | 50502 | 2002 EO <sub>70</sub>  | 2003 09 18.6 | 23 42.70 -00 34.3 19.1 | -0.88 - 9.6 | 0.5/19.1  | 30714 |
| 2001 AC <sub>4</sub>   | 2003 09 18.3 | 23 41.75 -01 25.9 18.4 | -0.87 - 7.7 | 0.2/18.6  | 50516 | 2002 EL <sub>98</sub>  | 2003 09 18.6 | 23 42.78 +18 28.5 18.3 | -0.92 -16.7 | 8.2/27.1  | 50598 |
| 1998 OD <sub>7</sub>   | 2003 09 18.3 | 23 41.76 +08 11.4 18.7 | -0.84 - 3.8 | 3.1/21.7  | 50387 | 2002 EZ <sub>65</sub>  | 2003 09 18.7 | 23 42.97 +02 26.5 19.7 | -0.91 - 7.7 | 1.7/20.2  | 30005 |
| 2002 EZ <sub>87</sub>  | 2003 09 18.3 | 23 41.78 -05 09.7 19.2 | -0.89 - 7.9 | 1.2/17.3  | 50598 | 2002 GT <sub>93</sub>  | 2003 09 18.7 | 23 42.97 -08 31.6 18.7 | -1.08 + 0.1 | 2.5/17.0  | 50604 |
| 2002 CZ <sub>19</sub>  | 2003 09 18.3 | 23 41.79 -08 42.8 19.2 | -1.02 - 5.3 | 2.9/16.3  | 50590 | 2002 JD <sub>69</sub>  | 2003 09 18.7 | 23 43.00 -21 05.6 18.8 | -0.88 - 4.1 | 6.1/12.5  | 32024 |
| 2002 JV <sub>35</sub>  | 2003 09 18.4 | 23 41.74 -27 37.4 19.2 | -0.93 - 3.3 | 8.1/09.8  | 33998 | 1999 TM <sub>135</sub> | 2003 09 18.7 | 23 43.07 -01 34.3 18.7 | -0.90 - 4.1 | 0.1/18.8  | 50426 |
| 2002 GG <sub>20</sub>  | 2003 09 18.4 | 23 41.78 -09 58.7 18.6 | -1.00 - 3.3 | 2.8/16.1  | 50602 | 2001 FK <sub>188</sub> | 2003 09 18.7 | 23 43.08 -20 46.4 19.3 | -0.85 - 7.9 | 6.4/11.7  | 18316 |
| 2002 JK <sub>89</sub>  | 2003 09 18.4 | 23 41.79 +05 47.9 20.0 | -0.89 - 6.5 | 2.9/21.0  | 48236 | 2001 DL <sub>22</sub>  | 2003 09 18.7 | 23 43.14 -18 04.9 19.7 | -0.82 - 6.0 | 4.9/13.0  | 13814 |
| 2002 JK <sub>36</sub>  | 2003 09 18.4 | 23 41.79 -12 18.5 19.0 | -0.84 - 4.8 | 3.3/15.0  | 50608 | 2002 EG <sub>112</sub> | 2003 09 18.7 | 23 43.16 -16 47.1 19.0 | -0.85 - 6.4 | 5.6/13.6  | 50599 |
| 2003 QW <sub>68</sub>  | 2003 09 18.4 | 23 41.80 -05 14.9 19.9 | -0.71 - 4.9 | 0.9/17.3  | 50319 | 2002 JS <sub>27</sub>  | 2003 09 18.7 | 23 43.16 -18 19.6 19.3 | -0.93 - 3.7 | 5.7/13.6  | 50608 |
| 1999 TW <sub>143</sub> | 2003 09 18.4 | 23 41.87 -02 16.8 18.3 | -1.11 + 0.9 | 0.1/18.4  | 49711 | 2001 FR <sub>172</sub> | 2003 09 18.7 | 23 43.17 -22 28.5 19.0 | -0.76 - 5.4 | 5.7/11.3  | 50532 |
| 1999 VW <sub>18</sub>  | 2003 09 18.4 | 23 41.90 +03 13.1 18.8 | -0.82 - 6.2 | 2.3/20.2  | 49738 | 2002 JD <sub>60</sub>  | 2003 09 18.7 | 23 43.22 -25 19.1 19.3 | -0.87 - 1.7 | 6.6/11.5  | 31687 |
| 2002 HK <sub>2</sub>   | 2003 09 18.4 | 23 41.94 -03 32.4 18.8 | -0.74 -11.3 | 0.6/17.8  | 31608 | 2000 WC <sub>125</sub> | 2003 09 18.7 | 23 43.23 +07 07.3 17.3 | -1.05 - 2.2 | 3.9/21.3  | 49851 |
| 2001 EG <sub>18</sub>  | 2003 09 18.4 | 23 41.96 +04 37.6 19.5 | -1.07 - 0.4 | 2.7/20.2  | 48016 | 2002 JO <sub>36</sub>  | 2003 09 18.8 | 23 43.16 -01 01.2 18.8 | -0.73 - 6.7 | 0.2/19.1  | 33998 |
| 2002 JS <sub>105</sub> | 2003 09 18.4 | 23 42.01 -06 05.9 18.9 | -0.73 - 4.9 | 1.3/17.1  | 50610 | 1999 XD <sub>223</sub> | 2003 09 18.8 | 23 43.20 -35 03.0 18.1 | -0.80 - 5.4 | 9.5/05.1  | 39566 |
| 2001 BC <sub>35</sub>  | 2003 09 18.4 | 23 42.02 -25 40.3 20.8 | -0.70 - 6.3 | 4.9/09.5  | 13806 | 1996 VA <sub>14</sub>  | 2003 09 18.8 | 23 43.21 -09 29.8 17.6 | -0.92 - 3.6 | 3.6/16.5  | 50376 |
| 2001 EW <sub>18</sub>  | 2003 09 18.4 | 23 42.05 +00 56.8 18.8 | -0.83 - 6.6 | 0.9/19.5  | 13274 | 2001 DB <sub>21</sub>  | 2003 09 18.8 | 23 43.26 -14 17.2 18.3 | -0.85 - 7.7 | 4.5/14.3  | 49900 |
| 2002 JB <sub>42</sub>  | 2003 09 18.4 | 23 42.13 +03 51.6 18.4 | -0.81 - 8.1 | 2.4/20.6  | 50608 | 1999 RC <sub>211</sub> | 2003 09 18.8 | 23 43.27 +04 32.2 16.9 | -1.02 - 1.1 | 2.5/20.6  | 50421 |
| 1999 WZ <sub>3</sub>   | 2003 09 18.4 | 23 42.14 -00 43.4 18.2 | -0.78 - 5.4 | 0.4/18.9  | 47826 | 2000 AY <sub>131</sub> | 2003 09 18.8 | 23 43.29 -26 45.1 18.6 | -0.75 - 5.0 | 7.2/09.6  | 50453 |
| 2002 FQ <sub>1</sub>   | 2003 09 18.5 | 23 42.10 -28 42.4 18.9 | -0.92 - 3.9 | 9.7/09.6  | 30729 | 1999 VP <sub>162</sub> | 2003 09 18.8 | 23 43.30 -21 29.0 18.6 | -1.02 + 0.7 | 8.0/13.4  | 50438 |
| 1992 DT <sub>8</sub>   | 2003 09 18.5 | 23 42.11 +09 01.3 18.1 | -0.93 - 2.1 | 3.5/21.8  | 50367 | 1999 UA <sub>2</sub>   | 2003 09 18.8 | 23 43.31 +02 47.8 16.3 | -0.69 - 6.4 | 2.2/21.0  | 50431 |
| 2000 VY <sub>13</sub>  | 2003 09 18.5 | 23 42.12 -01 20.1 19.0 | -0.91 - 7.8 | 0.3/18.7  | 50501 | 2000 YY <sub>49</sub>  | 2003 09 18.8 | 23 43.31 -15 45.9 18.3 | -0.87 - 5.8 | 6.2/14.0  | 50512 |
| 2002 DB <sub>12</sub>  | 2003 09 18.5 | 23 42.14 -02 01.8 18.7 | -0.92 - 7.1 | 0.0/18.5  | 50595 | 1999 XG <sub>214</sub> | 2003 09 18.8 | 23 43.39 -18 53.9 17.5 | -0.76 - 5.4 | 5.2/12.8  | 50447 |
| 2001 DU <sub>100</sub> | 2003 09 18.5 | 23 42.15 -13 08.0 19.3 | -0.94 - 2.6 | 3.5/15.2  | 18313 | 2001 EB <sub>26</sub>  | 2003 09 18.8 | 23 43.47 -01 21.4 19.8 | -0.85 - 6.4 | 0.2/19.0  | 48016 |
| 1998 HJ <sub>125</sub> | 2003 09 18.5 | 23 42.15 -00 17.0 18.6 | -0.79 - 9.9 | 0.5/19.1  | 50386 | 2001 BZ <sub>50</sub>  | 2003 09 18.8 | 23 43.58 -21 46.9 18.7 | -0.82 - 7.5 | 6.3/11.4  | 11830 |
| 2000 YY <sub>96</sub>  | 2003 09 18.5 | 23 42.16 -01 00.1 19.6 | -0.94 - 5.7 | 0.4/18.8  | 48001 | 2002 JO <sub>113</sub> | 2003 09 18.9 | 23 43.58 +06 25.3 18.5 | -0.96 - 4.4 | 3.1/21.5  | 50086 |
| 2001 FS <sub>16</sub>  | 2003 09 18.5 | 23 42.19 -05 42.5 19.5 | -0.74 - 4.7 | 1.1/17.3  | 49910 | 3505 T-3               | 2003 09 18.9 | 23 43.62 -04 00.3 18.2 | -0.93 - 4.4 | 1.0/18.2  | 50812 |
| 2000 DB <sub>69</sub>  | 2003 09 18.5 | 23 42.19 -02 11.4 18.5 | -0.65 - 9.4 | 0.1/18.4  | 49792 | 2002 JY <sub>68</sub>  | 2003 09 18.9 | 23 43.65 -10 49.2 18.8 | -0.90 - 8.2 | 3.5/15.8  | 50609 |
| 2002 GT <sub>103</sub> | 2003 09 18.5 | 23 42.19 -10 46.9 18.3 | -0.90 - 8.7 | 3.4/15.4  | 50060 | 2001 BJ <sub>63</sub>  | 2003 09 18.9 | 23 43.67 -06 12.1 18.9 | -0.84 - 6.8 | 1.6/17.4  | 50520 |
| 2001 XT <sub>117</sub> | 2003 09 18.5 | 23 42.21 -47 30.8 18.6 | -1.15 - 1.8 | 18.2/02.0 | 48167 | 1999 TM <sub>96</sub>  | 2003 09 18.9 | 23 43.67 -15 32.7 18.4 | -0.97 - 2.8 | 5.3/14.7  | 50425 |
| 1999 XN <sub>186</sub> | 2003 09 18.5 | 23 42.23 -04 49.9 19.3 | -0.88 - 3.6 | 1.0/17.6  | 47835 | 1999 JR <sub>71</sub>  | 2003 09 18.9 | 23 43.69 -13 52.2 19.2 | -1.00 - 5.5 | 4.8/15.1  | 35471 |
| 2000 YR <sub>17</sub>  | 2003 09 18.5 | 23 42.29 +07 37.8 19.2 | -0.91 - 5.9 | 3.5/21.7  | 50511 | 1999 UR <sub>43</sub>  | 2003 09 18.9 | 23 43.75 +28 38.9 19.0 | -0.87 - 6.6 | 9.0/30.4  | 50432 |
| 1990 ES <sub>2</sub>   | 2003 09 18.5 | 23 42.31 +05 35.2 19.9 | -0.92 - 5.0 | 2.5/20.9  | 10825 | 2000 WT <sub>159</sub> | 2003 09 18.9 | 23 43.75 -25 05.1 18.3 | -1.02 - 2.4 | 10.0/11.7 | 33887 |
| 1999 XZ <sub>73</sub>  | 2003 09 18.5 | 23 42.32 -07 59.9 18.2 | -0.84 - 5.4 | 2.2/16.5  | 50443 | 1999 XM <sub>6</sub>   | 2003 09 18.9 | 23 43.78 -22 56.8 19.8 | -0.78 - 2.8 | 4.8/11.8  | 14379 |
| 2001 BU <sub>40</sub>  | 2003 09 18.5 | 23 42.33 +02 23.0 16.9 | -0.80 - 4.6 | 2.1/20.0  | 50519 | 2000 AP <sub>192</sub> | 2003 09 18.9 | 23 43.80 +05 41.9 16.6 | -0.64 -11.1 | 3.0/21.9  | 50455 |
| 1999 TZ <sub>40</sub>  | 2003 09 18.5 | 23 42.36 -10 03.1 18.3 | -0.96 - 3.0 | 3.6/16.1  | 49701 | 2000 WW <sub>100</sub> | 2003 09 18.9 | 23 43.87 -13 12.2 17.0 | -0.87 - 5.4 | 5.2/15.1  | 50506 |
| 2002 GD <sub>46</sub>  | 2003 09 18.5 | 23 42.38 -11 59.2 18.7 | -0.99 - 3.4 | 3.9/15.6  | 50051 | 2002 LE <sub>22</sub>  | 2003 09 18.9 | 23 43.87 -00 06.0 19.1 | -0.79 - 4.9 | 0.5/19.5  | 50613 |
| 1999 VD <sub>79</sub>  | 2003 09 18.5 | 23 42.40 +02 26.7 19.3 | -0.85 - 5.1 | 1.6/20.0  | 49744 | 2002 JT <sub>95</sub>  | 2003 09 18.9 | 23 43.89 -11 05.5 20.0 | -0.97 - 4.7 | 3.2/16.1  | 33571 |
| 2002 LH <sub>52</sub>  | 2003 09 18.5 | 23 42.44 +11 01.9 19.6 | -0.78 - 5.4 | 3.4/23.1  | 33629 | 2003 NH <sub>3</sub>   | 2003 09 18.9 | 23 43.90 +41 16.1 17.8 | -0.80 - 3.7 | 14.8/10.8 | 50771 |
| 2002 GC <sub>20</sub>  | 2003 09 18.5 | 23 42.46 -08 32.7 20.4 | -0.93 - 3.4 | 2.2/16.6  | 48227 | 2002 EC <sub>21</sub>  | 2003 09 18.9 | 23 43.91 -05 51.6 17.8 | -1.71 + 6.9 | 2.1/18.4  | 50017 |
| 2001 BC <sub>48</sub>  | 2003 09 18.5 | 23 42.46 -01 03.8 19.7 | -0.80 - 8.6 | 0.3/18.9  | 11829 | 2001 FU <sub>110</sub> | 2003 09 18.9 | 23 43.93 -01 27.5 19.4 | -0.75 - 5.0 | 0.1/19.1  | 48024 |
| 1999 XO <sub>24</sub>  | 2003 09 18.6 | 23 42.46 -30 36.8 20.2 | -1.03 - 2.2 | 11.5/08.2 | 12206 | 2002 AK <sub>123</sub> | 2003 09 19.0 | 23 43.89 -12 40.1 18.5 | -0.96 - 6.4 | 4.1/15.5  | 49959 |
| 1999 TZ <sub>20</sub>  | 2003 09 18.6 | 23 42.47 +01 12.1 18.2 | -0.87 - 4.6 | 1.2/19.6  | 50423 | 2001 ET <sub>3</sub>   | 2003 09 19.0 | 23 43.90 -04 54.8 18.7 | -0.74 - 4.7 | 0.9/17.9  | 50526 |
| 1999 UV <sub>23</sub>  | 2003 09 18.6 | 23 42.48 -01 06.2 18.1 | -0.93 - 2.7 | 0.3/18.8  | 50432 | 1999 VZ <sub>148</sub> | 2003 09 19.0 | 23 44.03 -00 33.0 19.8 | -0.78 - 6.0 | 0.4/19.4  | 11664 |
| 2002 EO <sub>3</sub>   | 2003 09 18.6 | 23 42.52 -02 31.7 19.9 | -0.90 - 7.0 | 0.2/18.4  | 33968 | 2001 DY <sub>27</sub>  | 2003 09 19.0 | 23 44.04 -04 07.5 19.6 | -0.72 - 4.4 | 0.7/18.2  | 11872 |
| 2002 GP <sub>106</sub> | 2003 09 18.6 | 23 42.53 -13 50.0 18.9 | -0.83 - 6.6 | 4.3/14.5  | 50061 | 2002 EW <sub>78</sub>  | 2003 09 19.0 | 23 44.04 +04 19.5 18.6 | -0.97 - 7.7 | 2.4/21.1  | 33970 |
| 2000 YA <sub>46</sub>  | 2003 09 18.6 | 23 42.56 -03 38.1 18.4 | -0.88 - 6.8 | 0.6/18.0  | 49865 | 1999 VK <sub>44</sub>  | 2003 09 19.0 | 23 44.06 -01 26.3 17.7 | -0.90 - 3.8 | 0.1/19.1  | 50434 |
| 2001 FZ <sub>167</sub> | 2003 09 18.6 | 23 42.59 -04 04.9 20.0 | -0.78 - 4.1 | 0.7/17.9  | 48026 | 1998 FR <sub>102</sub> | 2003 09 19.0 | 23 44.09 +07 28.5 19.4 | -0.89 - 6.3 | 2.9/22.1  | 33766 |
| 2001 CF <sub>2</sub>   | 2003 09 18.6 | 23 42.63 -07 23.5 19.3 | -0.84 - 4.6 | 1.7/16.9  | 50520 | 2002 JB <sub>113</sub> | 2003 09 19.0 | 23 44.12 -13 58.3 17.1 | -0.69 -11.2 | 4.7/14.2  | 50610 |
| 2002 KR <sub>3</sub>   | 2003 09 18.6 | 23 42.64 -17 13.9 17.6 | -0.65 -11.3 | 4.8/12.4  | 50091 | 1999 VO <sub>162</sub> | 2003 09 19.0 | 23 44.15 +04 30.1 20.5 | -0.80 - 5.1 | 1.9/21.1  | 47824 |
| 2000 BY <sub>16</sub>  | 2003 09 18.6 | 23 42.69 -12 29.8 19.6 | -0.73 - 4.3 | 2.9/15.0  | 50456 | 1998 VM <sub>36</sub>  | 2003 09 19.0 | 23 44.21 +13 53.6 18.4 | -0.71 - 5.7 | 4.9/24.8  | 50398 |

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M.P.C. 49715

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2000 YK <sub>63</sub>  | 2003 09 19.0 | 23 44.23 | -00 27.3 | 18.5 | -0.93 | - 5.2 | 0.5/19.5  | 50513 |
| 1999 XS <sub>126</sub> | 2003 09 19.0 | 23 44.29 | -21 45.1 | 19.5 | -0.92 | - 2.6 | 6.5/12.6  | 50445 |
| 1998 SP <sub>58</sub>  | 2003 09 19.1 | 23 44.27 | -01 54.3 | 17.8 | -0.70 | - 8.2 | 0.1/19.0  | 50393 |
| 2000 BK <sub>28</sub>  | 2003 09 19.1 | 23 44.27 | -13 13.4 | 17.2 | -0.84 | - 8.5 | 5.0/14.8  | 49786 |
| 2000 AE <sub>3</sub>   | 2003 09 19.1 | 23 44.28 | +12 17.2 | 17.3 | -1.01 | 0.0   | 5.7/22.9  | 49773 |
| 2002 GB <sub>55</sub>  | 2003 09 19.1 | 23 44.29 | -05 19.0 | 20.0 | -0.92 | - 5.5 | 1.3/18.0  | 31527 |
| 2001 FT <sub>142</sub> | 2003 09 19.1 | 23 44.35 | +10 11.0 | 19.1 | -0.81 | - 3.0 | 3.5/23.0  | 13350 |
| 1999 VT <sub>41</sub>  | 2003 09 19.1 | 23 44.37 | -21 11.6 | 18.6 | -1.06 | + 0.4 | 7.5/13.8  | 50434 |
| 1998 HH <sub>108</sub> | 2003 09 19.1 | 23 44.44 | -19 38.2 | 18.3 | -0.92 | - 3.8 | 6.8/13.4  | 50385 |
| 1999 UL <sub>25</sub>  | 2003 09 19.1 | 23 44.44 | +03 29.8 | 18.4 | -0.86 | - 5.7 | 1.8/20.9  | 50432 |
| 2001 FM <sub>127</sub> | 2003 09 19.1 | 23 44.49 | -24 06.6 | 20.1 | -0.87 | - 1.8 | 6.4/11.9  | 48025 |
| 2002 CT <sub>38</sub>  | 2003 09 19.1 | 23 44.52 | -14 38.3 | 19.2 | -0.84 | - 9.4 | 6.0/14.5  | 49978 |
| 1999 TT <sub>289</sub> | 2003 09 19.1 | 23 44.52 | -11 53.2 | 19.6 | -0.85 | - 2.6 | 4.8/15.9  | 49728 |
| 2000 YH <sub>41</sub>  | 2003 09 19.1 | 23 44.53 | +04 29.6 | 18.1 | -0.88 | - 6.8 | 2.7/21.0  | 50512 |
| 1999 JV <sub>75</sub>  | 2003 09 19.1 | 23 44.54 | -03 42.9 | 17.9 | -1.04 | - 4.8 | 0.8/18.6  | 50409 |
| 1999 RY <sub>176</sub> | 2003 09 19.1 | 23 44.57 | +00 24.9 | 18.6 | -0.81 | - 7.6 | 0.8/19.9  | 50419 |
| 2002 JZ <sub>119</sub> | 2003 09 19.1 | 23 44.58 | -15 23.4 | 18.9 | -0.76 | - 8.6 | 4.5/14.1  | 35578 |
| 2000 AV <sub>82</sub>  | 2003 09 19.1 | 23 44.66 | -24 56.0 | 17.4 | -0.71 | - 6.9 | 8.0/10.2  | 50452 |
| 1999 JC <sub>90</sub>  | 2003 09 19.2 | 23 44.64 | -12 13.5 | 20.7 | -0.96 | - 6.9 | 4.1/15.7  | 50410 |
| 2000 WU <sub>116</sub> | 2003 09 19.2 | 23 44.64 | -08 24.6 | 17.6 | -0.99 | - 2.8 | 3.1/17.2  | 50507 |
| 1999 SR <sub>3</sub>   | 2003 09 19.2 | 23 44.67 | +04 39.5 | 15.5 | -1.14 | + 7.3 | 3.4/20.3  | 50422 |
| 1998 KC <sub>3</sub>   | 2003 09 19.2 | 23 44.68 | +04 32.7 | 19.8 | -0.74 | -11.8 | 2.2/21.6  | 47731 |
| 1999 XM <sub>53</sub>  | 2003 09 19.2 | 23 44.69 | -25 57.8 | 18.1 | -0.91 | - 3.0 | 9.6/10.7  | 1551  |
| 1996 EN <sub>14</sub>  | 2003 09 19.2 | 23 44.73 | -03 16.7 | 20.4 | -0.77 | - 5.7 | 0.5/18.7  | 47702 |
| 2002 EB <sub>10</sub>  | 2003 09 19.2 | 23 44.79 | +52 20.9 | 16.8 | -1.43 | + 6.7 | 27.7/11.0 | 50596 |
| 2002 FA <sub>16</sub>  | 2003 09 19.2 | 23 44.84 | -18 50.4 | 18.0 | -0.92 | - 3.2 | 7.2/13.9  | 50043 |
| 2001 FU <sub>188</sub> | 2003 09 19.2 | 23 44.85 | -21 30.0 | 19.6 | -0.70 | - 6.3 | 5.3/11.9  | 35062 |
| 2000 AF <sub>58</sub>  | 2003 09 19.2 | 23 44.87 | +10 08.9 | 18.6 | -0.76 | - 3.3 | 3.3/23.1  | 40431 |
| 1999 YP <sub>15</sub>  | 2003 09 19.2 | 23 44.89 | -04 36.7 | 19.5 | -0.77 | - 5.6 | 0.9/18.3  | 47837 |
| 1999 VS <sub>117</sub> | 2003 09 19.2 | 23 44.93 | -05 17.3 | 19.9 | -0.89 | - 4.3 | 1.4/18.1  | 47823 |
| 2000 AC <sub>32</sub>  | 2003 09 19.2 | 23 44.98 | -21 36.6 | 19.2 | -0.74 | - 4.3 | 5.4/12.2  | 50450 |
| 1998 FD <sub>133</sub> | 2003 09 19.2 | 23 44.98 | -01 21.1 | 20.1 | -0.93 | - 6.0 | 0.1/19.4  | 33766 |
| 2001 DE <sub>12</sub>  | 2003 09 19.2 | 23 44.99 | -06 44.8 | 18.3 | -0.87 | - 4.9 | 1.8/17.6  | 11858 |
| 2001 DW <sub>103</sub> | 2003 09 19.3 | 23 45.01 | -07 42.4 | 19.2 | -0.83 | - 6.2 | 2.3/17.3  | 50525 |
| 2001 FO <sub>1</sub>   | 2003 09 19.3 | 23 45.02 | -00 44.3 | 18.9 | -0.84 | - 2.6 | 0.3/19.6  | 13822 |
| 2001 KZ <sub>52</sub>  | 2003 09 19.3 | 23 45.06 | -13 19.7 | 17.8 | -0.97 | + 0.6 | 3.6/16.2  | 50536 |
| 1998 SM <sub>136</sub> | 2003 09 19.3 | 23 45.06 | -28 45.1 | 18.3 | -1.23 | + 6.9 | 11.5/13.9 | 47750 |
| 2002 EN <sub>1</sub>   | 2003 09 19.3 | 23 45.10 | +00 54.7 | 21.4 | -0.82 | - 9.1 | 0.8/20.2  | 29933 |
| 2002 GZ <sub>14</sub>  | 2003 09 19.3 | 23 45.12 | -05 33.4 | 17.9 | -0.94 | - 3.6 | 1.8/18.1  | 50601 |
| 2001 FR <sub>28</sub>  | 2003 09 19.3 | 23 45.13 | -09 48.5 | 19.7 | -0.95 | - 4.1 | 2.7/16.8  | 13827 |
| 2001 CG <sub>31</sub>  | 2003 09 19.3 | 23 45.14 | -12 29.2 | 18.3 | -0.96 | - 6.1 | 4.4/15.7  | 50522 |
| 2002 JV <sub>25</sub>  | 2003 09 19.3 | 23 45.17 | +10 37.8 | 20.1 | -0.70 | - 8.9 | 3.7/24.1  | 32018 |
| 2001 AD <sub>19</sub>  | 2003 09 19.3 | 23 45.23 | +04 55.9 | 17.9 | -0.93 | - 1.4 | 2.7/21.3  | 50516 |
| 2002 GN <sub>57</sub>  | 2003 09 19.3 | 23 45.24 | +08 13.3 | 20.3 | -1.00 | - 6.3 | 3.4/22.5  | 31997 |
| 2000 EZ <sub>202</sub> | 2003 09 19.3 | 23 45.25 | +10 11.4 | 16.9 | -0.49 | -13.1 | 4.9/24.5  | 17228 |
| 1995 WH <sub>40</sub>  | 2003 09 19.3 | 23 45.27 | -24 12.3 | 20.6 | -0.90 | - 4.0 | 6.8/11.6  | 47700 |
| 2001 FK <sub>154</sub> | 2003 09 19.3 | 23 45.28 | -10 36.7 | 18.8 | -0.74 | - 4.2 | 2.6/16.4  | 49917 |
| 1999 VV <sub>39</sub>  | 2003 09 19.3 | 23 45.35 | -06 26.2 | 19.5 | -0.95 | - 4.8 | 1.8/17.9  | 2681  |
| 1999 XX <sub>117</sub> | 2003 09 19.3 | 23 45.38 | +06 30.1 | 17.8 | -0.78 | - 2.5 | 4.0/22.0  | 49764 |
| 2000 WZ <sub>127</sub> | 2003 09 19.4 | 23 45.32 | -14 39.0 | 18.6 | -0.98 | - 4.0 | 5.9/15.4  | 30430 |
| 2002 JY <sub>64</sub>  | 2003 09 19.4 | 23 45.33 | -22 56.6 | 18.2 | -0.82 | - 3.6 | 6.8/12.2  | 32024 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 2000 YH <sub>5</sub>   | 2003 09 19.4 | 23 45.37 | -18 11.2 | 17.3 | -0.73 | - 2.4 | 9.1/13.6  | 50511 |
| 1999 TG <sub>235</sub> | 2003 09 19.4 | 23 45.45 | -02 24.2 | 18.8 | -0.79 | - 6.9 | 0.3/19.1  | 14791 |
| 1998 SQ <sub>73</sub>  | 2003 09 19.4 | 23 45.48 | -17 47.3 | 18.2 | -0.90 | - 1.0 | 5.1/14.7  | 50393 |
| 1999 TQ <sub>156</sub> | 2003 09 19.4 | 23 45.50 | +19 45.0 | 19.2 | -0.90 | - 3.7 | 6.6/26.6  | 50427 |
| 2002 JW <sub>76</sub>  | 2003 09 19.4 | 23 45.53 | -17 59.6 | 17.8 | -1.02 | + 2.6 | 6.6/15.5  | 50082 |
| 2003 QE <sub>57</sub>  | 2003 09 19.4 | 23 45.56 | -05 51.2 | 17.3 | -0.69 | - 2.4 | 1.4/18.1  | 50314 |
| 2001 FJ <sub>42</sub>  | 2003 09 19.4 | 23 45.57 | -02 31.2 | 19.8 | -0.80 | - 2.9 | 0.3/19.2  | 50528 |
| 1999 VN <sub>17</sub>  | 2003 09 19.4 | 23 45.57 | +01 21.5 | 20.2 | -0.83 | - 5.2 | 0.9/20.4  | 31874 |
| 2002 JS <sub>115</sub> | 2003 09 19.4 | 23 45.58 | +01 32.7 | 20.1 | -0.82 | - 7.7 | 1.1/20.5  | 35196 |
| 1999 TN <sub>191</sub> | 2003 09 19.4 | 23 45.59 | +18 31.8 | 18.3 | -0.76 | - 7.1 | 8.4/27.3  | 49717 |
| 2000 WW <sub>15</sub>  | 2003 09 19.4 | 23 45.60 | -13 03.7 | 19.5 | -1.00 | - 5.1 | 4.4/15.8  | 34972 |
| 2001 DJ <sub>101</sub> | 2003 09 19.4 | 23 45.61 | -10 43.3 | 18.3 | -1.04 | - 0.1 | 3.4/17.0  | 13266 |
| 2001 FZ <sub>1</sub>   | 2003 09 19.4 | 23 45.61 | -06 45.0 | 19.0 | -0.75 | - 6.9 | 1.4/17.6  | 31942 |
| 2002 AE <sub>161</sub> | 2003 09 19.4 | 23 45.62 | +03 59.6 | 19.2 | -1.01 | - 6.9 | 2.2/21.3  | 30624 |
| 1999 YW <sub>9</sub>   | 2003 09 19.4 | 23 45.64 | -05 54.3 | 19.1 | -0.78 | - 5.9 | 1.7/18.0  | 49773 |
| 1999 TU <sub>99</sub>  | 2003 09 19.4 | 23 45.66 | -08 35.5 | 18.3 | -0.78 | - 8.2 | 2.6/16.9  | 50425 |
| 2002 CQ <sub>235</sub> | 2003 09 19.4 | 23 45.70 | -16 45.1 | 18.8 | -0.97 | - 5.1 | 6.9/14.7  | 50594 |
| 2002 GH <sub>138</sub> | 2003 09 19.4 | 23 45.71 | -10 07.7 | 19.1 | -1.04 | - 2.8 | 3.8/17.0  | 50605 |
| 2001 FB <sub>71</sub>  | 2003 09 19.4 | 23 45.72 | -05 55.2 | 20.2 | -0.67 | - 5.6 | 1.1/18.0  | 13315 |
| 2003 QK <sub>59</sub>  | 2003 09 19.4 | 23 45.73 | -05 41.1 | 17.9 | -1.07 | + 0.8 | 2.2/18.5  | 50315 |
| 2001 FE <sub>192</sub> | 2003 09 19.4 | 23 45.73 | -04 22.6 | 18.1 | -0.76 | - 3.7 | 1.0/18.6  | 50532 |
| 2003 QL <sub>41</sub>  | 2003 09 19.4 | 23 45.76 | +05 35.5 | 16.2 | -1.10 | + 9.7 | 4.3/20.7  | 50308 |
| 1982 YM <sub>1</sub>   | 2003 09 19.5 | 23 45.68 | -20 27.1 | 18.4 | -0.90 | - 4.6 | 5.6/13.0  | 50366 |
| 2001 FO <sub>80</sub>  | 2003 09 19.5 | 23 45.78 | +10 52.0 | 20.0 | -0.71 | - 6.0 | 3.4/24.0  | 48022 |
| 1999 VH <sub>174</sub> | 2003 09 19.5 | 23 45.79 | +22 46.4 | 16.9 | -0.92 | + 1.6 | 12.0/26.6 | 50438 |
| 2000 WW <sub>108</sub> | 2003 09 19.5 | 23 45.81 | -09 36.3 | 19.7 | -1.07 | - 2.5 | 3.5/17.2  | 30429 |
| 1998 HC <sub>14</sub>  | 2003 09 19.5 | 23 45.82 | -11 23.5 | 19.0 | -0.83 | - 7.5 | 3.3/16.1  | 50384 |
| 1999 TJ <sub>116</sub> | 2003 09 19.5 | 23 45.88 | +01 08.6 | 18.9 | -0.75 | - 8.1 | 1.2/20.5  | 49706 |
| 2001 CJ <sub>34</sub>  | 2003 09 19.5 | 23 45.89 | -24 43.8 | 18.6 | -0.95 | - 3.0 | 7.3/11.9  | 50522 |
| 2002 JK <sub>45</sub>  | 2003 09 19.5 | 23 45.94 | +02 49.1 | 18.9 | -0.89 | - 6.4 | 1.6/21.0  | 38335 |
| 1999 TZ <sub>245</sub> | 2003 09 19.5 | 23 46.09 | -09 31.2 | 18.5 | -0.70 | -11.9 | 3.1/16.4  | 50430 |
| 1994 CZ <sub>5</sub>   | 2003 09 19.5 | 23 46.10 | -26 01.1 | 19.3 | -0.92 | -12.8 | 8.4/09.4  | 50370 |
| 1999 WY                | 2003 09 19.6 | 23 46.14 | +64 01.7 | 16.4 | -0.82 | +17.9 | 37.1/14.4 | 50440 |
| 2002 JL <sub>61</sub>  | 2003 09 19.6 | 23 46.18 | +05 23.9 | 19.0 | -0.68 | -10.3 | 2.2/22.3  | 50081 |
| 2002 JU <sub>36</sub>  | 2003 09 19.6 | 23 46.20 | -09 11.1 | 20.6 | -0.90 | - 7.4 | 2.6/17.0  | 48233 |
| 2002 GK <sub>67</sub>  | 2003 09 19.6 | 23 46.21 | -03 05.5 | 17.6 | -0.77 | - 7.5 | 0.6/19.1  | 50053 |
| 2001 BA <sub>77</sub>  | 2003 09 19.6 | 23 46.22 | +10 07.0 | 20.6 | -0.92 | - 2.0 | 3.4/23.1  | 12282 |
| 2002 GT <sub>37</sub>  | 2003 09 19.6 | 23 46.25 | -31 06.9 | 18.9 | -0.91 | - 5.1 | 10.6/09.1 | 31510 |
| 1999 VU <sub>113</sub> | 2003 09 19.6 | 23 46.26 | +04 54.3 | 18.6 | -0.84 | - 4.6 | 2.2/21.7  | 50437 |
| 1999 VG <sub>129</sub> | 2003 09 19.6 | 23 46.30 | -02 48.4 | 18.6 | -0.90 | - 2.5 | 0.6/19.3  | 49746 |
| 2001 BN <sub>74</sub>  | 2003 09 19.6 | 23 46.30 | -00 30.5 | 18.8 | -0.81 | - 6.1 | 0.3/20.0  | 10734 |
| 2001 AD <sub>33</sub>  | 2003 09 19.6 | 23 46.34 | +12 16.2 | 19.8 | -0.89 | - 3.4 | 4.0/24.1  | 49882 |
| 2002 KD <sub>5</sub>   | 2003 09 19.6 | 23 46.37 | -13 04.3 | 18.8 | -0.77 | - 3.7 | 3.9/15.9  | 50612 |
| 2002 JA <sub>24</sub>  | 2003 09 19.6 | 23 46.38 | -03 56.4 | 18.9 | -0.87 | - 6.5 | 0.9/18.9  | 50607 |
| 1999 VT <sub>90</sub>  | 2003 09 19.6 | 23 46.39 | -08 04.8 | 18.0 | -0.97 | - 4.5 | 2.6/17.6  | 50436 |
| 2001 BV <sub>52</sub>  | 2003 09 19.6 | 23 46.39 | +15 38.3 | 19.2 | -0.81 | - 6.2 | 5.2/25.8  | 48007 |
| 1999 XP <sub>235</sub> | 2003 09 19.6 | 23 46.41 | +10 19.8 | 21.5 | -0.72 | - 4.9 | 3.0/23.8  | 13082 |
| 2002 FJ <sub>2</sub>   | 2003 09 19.6 | 23 46.43 | -08 24.1 | 18.9 | -0.91 | - 1.8 | 2.3/17.7  | 50040 |
| 2001 CY <sub>41</sub>  | 2003 09 19.6 | 23 46.44 | +18 35.1 | 18.6 | -0.83 | - 2.8 | 4.8/26.5  | 50522 |
| 1999 SA <sub>20</sub>  | 2003 09 19.7 | 23 46.39 | -12 54.6 | 18.4 | -0.75 | - 8.1 | 5.0/15.4  | 50422 |
| 1995 UP <sub>77</sub>  | 2003 09 19.7 | 23 46.51 | -05 00.6 | 19.6 | -0.90 | - 4.4 | 1.4/18.6  | 50374 |

|                        |              |                        |             |           |       |                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2002 CY <sub>150</sub> | 2003 09 19.7 | 23 46.51 -07 25.3 18.5 | -0.90 - 7.4 | 2.5/17.7  | 49996 | 2002 ES <sub>10</sub>  | 2003 09 20.0 | 23 47.68 -02 31.7 19.6 | -0.92 - 6.9 | 0.4/19.7  | 50596 |
| 2002 GY <sub>43</sub>  | 2003 09 19.7 | 23 46.56 +06 36.1 18.9 | -0.78 - 9.1 | 2.6/22.7  | 31995 | 2002 FA <sub>15</sub>  | 2003 09 20.0 | 23 47.68 -21 16.3 18.7 | -0.91 - 3.6 | 6.9/13.8  | 50042 |
| 1998 FZ <sub>117</sub> | 2003 09 19.7 | 23 46.58 +04 15.3 19.5 | -0.90 - 5.4 | 1.9/21.6  | 50384 | 2001 BD <sub>28</sub>  | 2003 09 20.0 | 23 47.70 -19 51.0 19.2 | -0.80 - 7.6 | 5.9/13.2  | 50518 |
| 2000 XO <sub>34</sub>  | 2003 09 19.7 | 23 46.65 -18 08.2 18.7 | -0.99 - 2.2 | 5.5/14.8  | 50510 | 1999 VV <sub>34</sub>  | 2003 09 20.0 | 23 47.71 +21 45.0 18.6 | -0.79 - 6.6 | 9.2/28.7  | 674   |
| 2002 HY <sub>10</sub>  | 2003 09 19.7 | 23 46.68 +03 48.2 20.1 | -0.77 - 9.8 | 1.8/21.7  | 50606 | 2002 JB <sub>6</sub>   | 2003 09 20.0 | 23 47.78 -19 32.7 19.5 | -0.92 - 5.7 | 5.9/13.9  | 31620 |
| 1999 UF <sub>23</sub>  | 2003 09 19.7 | 23 46.72 -20 51.4 18.7 | -1.05 + 0.9 | 8.4/14.4  | 49731 | 1998 SZ <sub>56</sub>  | 2003 09 20.0 | 23 47.80 -05 24.9 18.8 | -0.76 - 5.6 | 1.3/18.7  | 50392 |
| 2002 FO <sub>33</sub>  | 2003 09 19.7 | 23 46.75 -14 41.9 18.7 | -0.99 - 4.6 | 5.3/15.7  | 31989 | 1981 EL <sub>9</sub>   | 2003 09 20.0 | 23 47.80 +07 45.4 18.1 | -0.85 - 0.8 | 2.7/22.7  | 49636 |
| 1999 RD <sub>108</sub> | 2003 09 19.7 | 23 46.78 +08 30.3 18.6 | -0.82 -10.3 | 3.6/23.6  | 50417 | 2000 XW <sub>23</sub>  | 2003 09 20.0 | 23 47.86 -06 08.9 16.9 | -1.03 0.0   | 2.5/18.8  | 50510 |
| 2001 FW <sub>53</sub>  | 2003 09 19.7 | 23 46.80 +11 15.0 19.6 | -0.68 - 7.2 | 3.3/24.5  | 13831 | 2001 HX <sub>51</sub>  | 2003 09 20.0 | 23 47.88 +15 05.6 18.9 | -0.67 - 9.0 | 4.6/26.5  | 13476 |
| 2002 EE <sub>100</sub> | 2003 09 19.8 | 23 46.86 -03 45.9 18.4 | -1.06 - 1.6 | 1.1/19.2  | 50598 | 1999 XM <sub>136</sub> | 2003 09 20.0 | 23 47.96 +50 00.2 17.2 | -1.88 +27.3 | 28.7/08.1 | 49765 |
| 1999 TN <sub>248</sub> | 2003 09 19.8 | 23 46.88 -05 07.6 18.4 | -0.67 - 8.5 | 1.7/18.4  | 49723 | 2000 WT <sub>70</sub>  | 2003 09 20.1 | 23 47.89 +05 18.7 18.6 | -1.01 - 4.5 | 2.4/22.1  | 50505 |
| 2002 GP <sub>45</sub>  | 2003 09 19.8 | 23 46.90 -03 16.8 18.6 | -0.87 - 8.5 | 0.7/19.2  | 50602 | 2000 AC <sub>241</sub> | 2003 09 20.1 | 23 47.91 -09 20.1 18.5 | -0.76 - 9.3 | 2.5/17.1  | 49784 |
| 1999 XB <sub>180</sub> | 2003 09 19.8 | 23 46.93 -20 31.6 18.4 | -0.79 - 3.8 | 5.5/13.3  | 50446 | 2002 JY <sub>67</sub>  | 2003 09 20.1 | 23 47.93 -26 06.4 18.8 | -0.92 - 0.6 | 7.6/12.7  | 50609 |
| 1999 UK <sub>40</sub>  | 2003 09 19.8 | 23 46.94 +13 55.1 19.2 | -0.75 -10.5 | 5.6/25.9  | 50432 | 1999 VJ <sub>163</sub> | 2003 09 20.1 | 23 47.94 -05 17.4 17.6 | -0.84 - 2.6 | 1.9/18.9  | 50438 |
| 2001 BT <sub>55</sub>  | 2003 09 19.8 | 23 47.01 -07 32.7 18.1 | -0.88 - 4.9 | 2.8/17.9  | 50519 | 4087 T-3               | 2003 09 20.1 | 23 47.95 +00 52.2 18.4 | -0.66 -13.8 | 0.8/21.0  | 50812 |
| 1978 UJ <sub>4</sub>   | 2003 09 19.8 | 23 47.07 +08 31.6 17.1 | -0.68 - 7.0 | 5.0/23.6  | 50365 | 1998 HN <sub>53</sub>  | 2003 09 20.1 | 23 47.96 -00 51.0 19.8 | -0.87 - 6.5 | 0.2/20.3  | 31815 |
| 2000 DD <sub>65</sub>  | 2003 09 19.8 | 23 47.08 -01 06.8 18.4 | -0.70 - 5.7 | 0.1/20.0  | 49791 | 7501 P-L               | 2003 09 20.1 | 23 48.04 -19 42.0 18.7 | -1.56 + 6.7 | 7.9/17.2  | 30226 |
| 1999 XT <sub>119</sub> | 2003 09 19.8 | 23 47.13 -02 57.2 18.9 | -0.85 - 4.1 | 0.5/19.4  | 50444 | 1999 FB <sub>1</sub>   | 2003 09 20.1 | 23 48.09 +02 44.7 19.0 | -0.90 - 9.8 | 1.7/21.6  | 50405 |
| 1997 CF <sub>26</sub>  | 2003 09 19.8 | 23 47.19 -09 08.6 18.5 | -0.90 - 4.8 | 2.5/17.4  | 50377 | 2000 WJ <sub>120</sub> | 2003 09 20.1 | 23 48.10 -12 29.0 19.8 | -1.01 - 4.4 | 4.1/16.7  | 9879  |
| 2000 XL <sub>13</sub>  | 2003 09 19.9 | 23 47.12 -04 24.2 18.6 | -0.83 - 3.0 | 0.8/19.0  | 13799 | 2002 KM <sub>9</sub>   | 2003 09 20.1 | 23 48.10 -20 58.7 20.2 | -0.83 - 6.0 | 5.3/13.3  | 34010 |
| 1999 VF <sub>49</sub>  | 2003 09 19.9 | 23 47.12 +18 50.3 18.6 | -0.80 - 7.1 | 6.9/27.4  | 50435 | 1999 SM <sub>13</sub>  | 2003 09 20.1 | 23 48.20 +01 22.0 18.4 | -0.74 - 9.6 | 1.1/21.2  | 50422 |
| 1998 FW <sub>76</sub>  | 2003 09 19.9 | 23 47.13 -10 15.7 19.8 | -0.96 - 4.1 | 3.2/17.2  | 47727 | 2002 GO <sub>144</sub> | 2003 09 20.2 | 23 48.23 -25 20.3 18.8 | -0.93 - 3.4 | 8.5/12.3  | 32009 |
| 2002 GU <sub>102</sub> | 2003 09 19.9 | 23 47.13 -20 00.1 18.3 | -0.85 - 4.1 | 6.8/13.7  | 50060 | 1999 UK <sub>36</sub>  | 2003 09 20.2 | 23 48.24 +02 53.0 20.0 | -0.86 - 7.1 | 1.5/21.6  | 50432 |
| 2002 JZ <sub>125</sub> | 2003 09 19.9 | 23 47.17 -05 47.9 19.6 | -0.90 - 7.8 | 1.6/18.4  | 31746 | 2002 GB <sub>117</sub> | 2003 09 20.2 | 23 48.25 -26 41.6 19.2 | -1.05 + 0.8 | 10.5/13.0 | 31587 |
| 2002 HB <sub>7</sub>   | 2003 09 19.9 | 23 47.17 +09 04.4 20.4 | -0.97 - 5.5 | 4.2/23.3  | 48232 | 2001 AB                | 2003 09 20.2 | 23 48.27 +00 06.1 18.0 | -0.89 - 3.0 | 0.7/20.6  | 49879 |
| 2002 EM <sub>81</sub>  | 2003 09 19.9 | 23 47.25 +04 57.2 18.2 | -1.04 - 2.8 | 3.0/21.8  | 50598 | 2001 CZ <sub>17</sub>  | 2003 09 20.2 | 23 48.29 -15 12.1 19.4 | -0.78 - 8.1 | 4.3/15.1  | 50521 |
| 2001 CV <sub>4</sub>   | 2003 09 19.9 | 23 47.26 -10 32.5 18.3 | -0.87 - 5.8 | 3.1/16.9  | 12284 | 2000 AV <sub>16</sub>  | 2003 09 20.2 | 23 48.30 +07 59.2 18.0 | -0.78 - 4.8 | 3.0/23.4  | 50450 |
| 1999 XT <sub>38</sub>  | 2003 09 19.9 | 23 47.26 -04 05.3 18.7 | -0.80 - 4.8 | 0.9/19.0  | 50442 | 2000 WP <sub>191</sub> | 2003 09 20.2 | 23 48.34 -11 02.8 18.0 | -0.91 - 7.8 | 3.8/16.9  | 50509 |
| 2000 YC <sub>111</sub> | 2003 09 19.9 | 23 47.28 -09 04.7 20.0 | -0.85 - 5.3 | 2.5/17.4  | 11020 | 2001 BE <sub>64</sub>  | 2003 09 20.2 | 23 48.37 -05 55.2 19.0 | -0.84 - 6.8 | 1.5/18.7  | 12280 |
| 2001 BF <sub>25</sub>  | 2003 09 19.9 | 23 47.29 -02 52.2 19.3 | -0.90 - 6.3 | 0.5/19.4  | 50518 | 2002 GT <sub>104</sub> | 2003 09 20.2 | 23 48.43 -02 43.8 18.5 | -0.74 - 9.7 | 0.5/19.7  | 50060 |
| 1998 SA <sub>126</sub> | 2003 09 19.9 | 23 47.29 -09 12.7 18.0 | -0.76 - 5.3 | 2.6/17.3  | 50394 | 2002 CU <sub>45</sub>  | 2003 09 20.2 | 23 48.44 -13 00.6 17.9 | -0.88 -21.4 | 4.9/15.3  | 49979 |
| 2001 DE <sub>48</sub>  | 2003 09 19.9 | 23 47.36 -07 34.7 20.8 | -0.88 - 4.6 | 1.9/18.0  | 48011 | 1999 XV <sub>139</sub> | 2003 09 20.2 | 23 48.47 -17 27.5 18.8 | -0.75 - 5.6 | 5.1/14.5  | 50445 |
| 2002 EE <sub>20</sub>  | 2003 09 19.9 | 23 47.36 -02 08.0 18.9 | -0.94 - 5.2 | 0.3/19.7  | 31977 | 1999 XH <sub>140</sub> | 2003 09 20.2 | 23 48.48 -05 50.3 19.5 | -0.76 - 5.6 | 1.6/18.7  | 47833 |
| 2002 FF <sub>2</sub>   | 2003 09 19.9 | 23 47.37 +00 30.1 19.1 | -0.80 - 7.8 | 0.6/21.0  | 31986 | 2002 HJ <sub>6</sub>   | 2003 09 20.2 | 23 48.51 +10 32.9 18.7 | -0.93 - 6.1 | 4.3/24.2  | 30742 |
| 1999 JZ <sub>23</sub>  | 2003 09 19.9 | 23 47.40 -08 45.4 18.3 | -0.99 - 3.9 | 3.4/17.8  | 50408 | 1999 XT <sub>145</sub> | 2003 09 20.2 | 23 48.55 -09 29.3 19.4 | -0.84 - 4.3 | 2.9/17.6  | 50445 |
| 2000 XG <sub>26</sub>  | 2003 09 19.9 | 23 47.40 -05 28.7 17.3 | -1.03 + 2.8 | 2.3/19.0  | 49858 | 1995 SK <sub>48</sub>  | 2003 09 20.2 | 23 48.56 -06 56.4 19.1 | -0.89 - 4.3 | 1.7/18.5  | 50373 |
| 2002 JB <sub>8</sub>   | 2003 09 19.9 | 23 47.41 -08 30.0 18.7 | -0.88 - 7.5 | 2.5/17.5  | 32014 | 2000 CC <sub>110</sub> | 2003 09 20.2 | 23 48.57 -01 39.4 20.4 | -0.74 - 5.0 | 0.1/20.1  | 2372  |
| 2002 EO <sub>124</sub> | 2003 09 19.9 | 23 47.43 +02 02.2 17.9 | -0.89 - 4.9 | 1.6/21.1  | 50036 | 1999 JH <sub>105</sub> | 2003 09 20.2 | 23 48.59 -13 39.5 18.4 | -0.88 - 6.9 | 5.5/16.0  | 50410 |
| 1998 HH <sub>39</sub>  | 2003 09 19.9 | 23 47.44 +02 08.8 19.8 | -0.87 - 7.0 | 1.2/21.2  | 50385 | 2002 JV <sub>37</sub>  | 2003 09 20.2 | 23 48.62 -00 10.9 19.7 | -1.01 - 5.3 | 0.4/20.6  | 48233 |
| 2000 WV <sub>114</sub> | 2003 09 19.9 | 23 47.45 -07 50.0 17.7 | -1.02 - 3.8 | 2.7/18.0  | 50507 | 2001 AB <sub>28</sub>  | 2003 09 20.2 | 23 48.62 -15 11.1 19.6 | -0.88 - 3.5 | 4.1/15.9  | 48004 |
| 1999 TJ <sub>168</sub> | 2003 09 19.9 | 23 47.45 +06 12.9 18.7 | -0.83 - 6.8 | 2.5/22.6  | 33831 | 1996 TO <sub>33</sub>  | 2003 09 20.3 | 23 48.55 +04 41.4 18.0 | -0.82 - 8.7 | 2.6/22.4  | 50376 |
| 2000 WJ <sub>186</sub> | 2003 09 19.9 | 23 47.46 -00 35.6 18.1 | -0.87 - 8.0 | 0.3/20.2  | 50509 | 1999 VJ <sub>36</sub>  | 2003 09 20.3 | 23 48.55 +20 11.1 18.4 | -0.78 - 6.4 | 8.9/28.1  | 40393 |
| 1998 HM <sub>70</sub>  | 2003 09 19.9 | 23 47.50 +03 51.2 18.0 | -0.85 - 9.0 | 2.0/21.8  | 50385 | 1995 VG <sub>11</sub>  | 2003 09 20.3 | 23 48.59 -15 13.6 19.5 | -0.88 - 4.3 | 4.3/15.8  | 47699 |
| 1999 JE <sub>17</sub>  | 2003 09 20.0 | 23 47.49 -16 18.5 19.6 | -0.97 - 6.1 | 5.9/15.1  | 50408 | 1999 TR <sub>122</sub> | 2003 09 20.3 | 23 48.60 -05 13.5 18.4 | -0.84 - 6.5 | 1.5/19.0  | 50426 |
| 2001 BR <sub>20</sub>  | 2003 09 20.0 | 23 47.50 -08 36.5 20.4 | -0.88 - 5.0 | 2.3/17.7  | 11032 | 2000 AY <sub>62</sub>  | 2003 09 20.3 | 23 48.61 -13 35.3 18.4 | -0.75 - 5.0 | 3.6/16.0  | 50451 |
| 2002 GV <sub>7</sub>   | 2003 09 20.0 | 23 47.50 -06 58.5 20.2 | -0.91 - 6.0 | 1.9/18.2  | 31499 | 2003 QL <sub>88</sub>  | 2003 09 20.3 | 23 48.64 -04 20.5 17.6 | -0.92 - 1.6 | 1.4/19.4  | 50323 |
| 2001 FZ <sub>132</sub> | 2003 09 20.0 | 23 47.50 +07 29.9 19.4 | -0.67 - 6.3 | 2.4/23.2  | 13345 | 1999 VM <sub>69</sub>  | 2003 09 20.3 | 23 48.65 +00 51.7 19.0 | -0.83 - 5.6 | 0.8/21.0  | 50435 |
| 2001 CZ <sub>8</sub>   | 2003 09 20.0 | 23 47.53 +12 02.6 18.8 | -1.01 - 0.4 | 4.8/23.8  | 31938 | 1999 TR <sub>97</sub>  | 2003 09 20.3 | 23 48.65 -10 15.8 18.2 | -0.81 - 5.8 | 3.9/17.2  | 49703 |
| 2000 YY <sub>136</sub> | 2003 09 20.0 | 23 47.55 +20 01.5 18.9 | -0.85 - 6.2 | 6.8/27.8  | 11023 | 2000 SD <sub>120</sub> | 2003 09 20.3 | 23 48.68 -02 19.8 18.1 | -0.93 - 8.3 | 0.5/20.0  | 31915 |
| 2000 YT <sub>53</sub>  | 2003 09 20.0 | 23 47.57 -10 48.2 18.1 | -0.93 - 6.1 | 3.6/16.9  | 49867 | 2001 HQ <sub>11</sub>  | 2003 09 20.3 | 23 48.68 +11 21.8 17.9 | -0.76 - 8.4 | 4.2/25.0  | 50533 |
| 1999 HV                | 2003 09 20.0 | 23 47.61 -49 32.2 18.1 | -1.29 + 8.0 | 23.1/06.5 | 27617 | 2000 XV <sub>14</sub>  | 2003 09 20.3 | 23 48.68 -06 52.5 18.6 | -0.96 - 1.8 | 1.8/18.7  | 50510 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 WO <sub>6</sub>   | 2003 09 20.3 | 23 48.69 | -25 42.2 | 19.3 | -0.89 | - 3.9 | 7.7/11.7  | 38125 |
| 1998 KC <sub>7</sub>   | 2003 09 20.3 | 23 48.70 | -24 48.4 | 18.8 | -0.93 | - 2.3 | 9.0/13.0  | 34711 |
| 1999 VZ <sub>192</sub> | 2003 09 20.3 | 23 48.72 | +06 18.4 | 18.0 | -0.89 | - 3.9 | 3.0/22.7  | 50439 |
| 1999 VW <sub>91</sub>  | 2003 09 20.3 | 23 48.76 | +07 34.3 | 18.9 | -0.75 | -10.4 | 3.3/23.7  | 50436 |
| 1999 SJ <sub>11</sub>  | 2003 09 20.3 | 23 48.80 | -11 44.2 | 18.3 | -0.84 | - 5.4 | 3.5/16.8  | 50422 |
| 2000 XJ <sub>10</sub>  | 2003 09 20.3 | 23 48.83 | -24 56.1 | 19.3 | -0.93 | - 2.8 | 7.3/12.6  | 12258 |
| 2001 CV <sub>42</sub>  | 2003 09 20.3 | 23 48.85 | -06 13.8 | 19.0 | -0.78 | - 6.6 | 1.7/18.6  | 50522 |
| 2002 FV <sub>15</sub>  | 2003 09 20.3 | 23 48.85 | -14 30.8 | 18.2 | -0.92 | - 5.3 | 5.3/16.1  | 50600 |
| 2001 CT <sub>29</sub>  | 2003 09 20.3 | 23 48.88 | -19 54.3 | 18.2 | -0.76 | - 7.6 | 6.5/13.4  | 31938 |
| 2000 YT <sub>10</sub>  | 2003 09 20.3 | 23 48.88 | +05 20.6 | 19.2 | -0.93 | - 7.8 | 2.8/22.6  | 49860 |
| 2001 FP <sub>141</sub> | 2003 09 20.3 | 23 48.89 | -09 59.3 | 19.7 | -0.76 | - 3.2 | 2.4/17.5  | 48025 |
| 1993 FU <sub>69</sub>  | 2003 09 20.3 | 23 48.89 | +06 01.1 | 20.1 | -0.77 | - 8.7 | 2.3/23.0  | 34682 |
| 2002 AB <sub>129</sub> | 2003 09 20.3 | 23 48.90 | -33 27.4 | 19.1 | -0.98 | -13.2 | 12.9/06.4 | 30619 |
| 2000 DK <sub>4</sub>   | 2003 09 20.3 | 23 48.91 | -08 21.3 | 20.4 | -0.78 | - 4.8 | 2.0/18.0  | 47854 |
| 2002 HG <sub>2</sub>   | 2003 09 20.3 | 23 48.94 | -08 53.3 | 19.9 | -0.95 | - 4.9 | 3.1/18.0  | 50606 |
| 1998 JM <sub>3</sub>   | 2003 09 20.3 | 23 48.94 | -14 57.5 | 19.9 | -0.86 | - 5.4 | 4.9/15.8  | 31230 |
| 2002 HU <sub>6</sub>   | 2003 09 20.3 | 23 48.95 | -12 03.2 | 19.5 | -1.05 | + 0.1 | 4.2/17.6  | 48232 |
| 2002 GY <sub>113</sub> | 2003 09 20.3 | 23 48.97 | -15 18.0 | 19.4 | -1.04 | - 3.7 | 5.6/16.2  | 31585 |
| 1998 RE <sub>72</sub>  | 2003 09 20.4 | 23 48.92 | -01 33.1 | 18.1 | -0.70 | - 8.4 | 0.1/20.3  | 50391 |
| 1999 TR <sub>119</sub> | 2003 09 20.4 | 23 48.93 | -05 59.4 | 18.5 | -1.12 | + 2.3 | 2.1/19.3  | 49707 |
| 1998 HD <sub>38</sub>  | 2003 09 20.4 | 23 48.93 | +04 29.3 | 19.8 | -0.87 | - 6.7 | 2.0/22.3  | 50385 |
| 1998 XN                | 2003 09 20.4 | 23 48.94 | +11 28.0 | 19.2 | -0.71 | - 3.6 | 3.2/24.7  | 33790 |
| 2000 UF <sub>109</sub> | 2003 09 20.4 | 23 48.95 | -07 24.1 | 18.5 | -0.91 | - 8.7 | 2.6/18.2  | 50501 |
| 2002 EL <sub>1</sub>   | 2003 09 20.4 | 23 48.96 | -00 00.9 | 19.8 | -1.05 | - 4.7 | 10.4/11.0 | 29932 |
| 2000 XY <sub>33</sub>  | 2003 09 20.4 | 23 48.99 | -14 03.0 | 18.5 | -1.07 | - 2.2 | 5.9/16.6  | 18306 |
| 1998 OY <sub>3</sub>   | 2003 09 20.4 | 23 49.02 | +04 32.5 | 19.2 | -0.80 | - 5.5 | 2.1/22.4  | 47733 |
| 1995 SU <sub>15</sub>  | 2003 09 20.4 | 23 49.07 | -00 23.4 | 18.7 | -0.88 | - 6.0 | 0.3/20.7  | 50372 |
| 2002 ED <sub>88</sub>  | 2003 09 20.4 | 23 49.13 | -07 17.4 | 19.1 | -1.03 | - 2.8 | 2.5/18.7  | 50030 |
| 2002 JT <sub>64</sub>  | 2003 09 20.4 | 23 49.15 | -10 16.1 | 18.7 | -0.88 | - 4.9 | 2.9/17.5  | 50609 |
| 2001 CL <sub>4</sub>   | 2003 09 20.4 | 23 49.15 | -00 57.1 | 18.8 | -0.85 | - 3.5 | 0.1/20.5  | 50521 |
| 1999 TX <sub>83</sub>  | 2003 09 20.4 | 23 49.17 | -03 05.0 | 18.4 | -0.90 | - 6.7 | 0.8/19.8  | 33828 |
| 3477 T-3               | 2003 09 20.4 | 23 49.20 | -06 12.2 | 18.7 | -0.78 | - 4.1 | 1.5/18.8  | 50812 |
| 4126 T-2               | 2003 09 20.4 | 23 49.21 | -06 09.3 | 19.1 | -0.92 | - 6.0 | 1.8/18.8  | 50811 |
| 1999 LU <sub>28</sub>  | 2003 09 20.4 | 23 49.23 | +02 10.2 | 19.3 | -0.96 | - 6.9 | 1.4/21.6  | 47784 |
| 1981 EH <sub>6</sub>   | 2003 09 20.4 | 23 49.25 | +05 05.5 | 20.4 | -0.80 | - 5.1 | 1.7/22.6  | 40290 |
| 2001 BE <sub>62</sub>  | 2003 09 20.4 | 23 49.26 | +00 14.5 | 20.3 | -0.82 | - 6.8 | 0.5/21.0  | 48007 |
| 1996 TD <sub>5</sub>   | 2003 09 20.4 | 23 49.26 | -03 56.6 | 19.9 | -0.98 | - 4.4 | 1.0/19.6  | 50376 |
| 2002 DJ <sub>2</sub>   | 2003 09 20.4 | 23 49.31 | -04 24.5 | 20.0 | -0.82 | - 9.4 | 1.1/19.3  | 30697 |
| 1981 EH <sub>27</sub>  | 2003 09 20.4 | 23 49.31 | -01 43.3 | 18.1 | -1.01 | - 1.7 | 0.2/20.3  | 50365 |
| 1999 JG <sub>121</sub> | 2003 09 20.5 | 23 49.25 | +00 36.0 | 19.0 | -0.89 | - 9.0 | 0.7/21.1  | 50410 |
| 2002 JL <sub>96</sub>  | 2003 09 20.5 | 23 49.26 | +05 11.9 | 20.0 | -0.83 | - 5.2 | 2.0/22.6  | 34003 |
| 2002 JE <sub>144</sub> | 2003 09 20.5 | 23 49.29 | -14 40.0 | 19.0 | -0.77 | - 9.9 | 4.7/15.4  | 50611 |
| 1998 US <sub>47</sub>  | 2003 09 20.5 | 23 49.33 | -35 02.3 | 18.1 | -1.04 | + 1.9 | 11.4/10.1 | 47754 |
| 1998 KG <sub>59</sub>  | 2003 09 20.5 | 23 49.34 | -23 52.9 | 18.7 | -0.88 | - 6.1 | 7.5/12.5  | 50387 |
| 2002 JO <sub>61</sub>  | 2003 09 20.5 | 23 49.35 | -10 56.5 | 20.9 | -0.86 | - 6.0 | 3.3/17.3  | 48234 |
| 1999 XE <sub>95</sub>  | 2003 09 20.5 | 23 49.36 | -16 38.9 | 20.2 | -0.71 | - 4.9 | 3.9/15.0  | 47831 |
| 1999 XV <sub>30</sub>  | 2003 09 20.5 | 23 49.44 | -06 27.6 | 19.1 | -0.81 | - 5.6 | 1.9/18.8  | 50442 |
| 1998 VK <sub>21</sub>  | 2003 09 20.5 | 23 49.45 | -12 41.3 | 18.6 | -0.78 | - 2.9 | 3.1/16.8  | 50398 |
| 2000 WD <sub>107</sub> | 2003 09 20.5 | 23 49.50 | +00 03.2 | 19.5 | -0.93 | - 6.5 | 0.5/21.0  | 50506 |
| 2002 GE <sub>68</sub>  | 2003 09 20.5 | 23 49.51 | -03 18.6 | 18.7 | -0.75 | -10.8 | 0.7/19.7  | 50603 |
| 1999 VV <sub>62</sub>  | 2003 09 20.5 | 23 49.60 | -19 12.1 | 18.8 | -0.96 | - 2.2 | 7.2/14.9  | 50435 |

|                        |              |          |          |      |       |       |          |       |
|------------------------|--------------|----------|----------|------|-------|-------|----------|-------|
| 2001 FW <sub>30</sub>  | 2003 09 20.5 | 23 49.61 | -08 22.6 | 18.7 | -0.81 | - 2.3 | 2.1/18.3 | 50528 |
| 6252 P-L               | 2003 09 20.5 | 23 49.64 | +00 50.4 | 18.6 | -0.89 | - 4.0 | 0.9/21.2 | 50810 |
| 1999 XO <sub>133</sub> | 2003 09 20.5 | 23 49.69 | +12 36.6 | 18.5 | -0.87 | - 2.2 | 4.1/24.8 | 50445 |
| 2000 UF <sub>93</sub>  | 2003 09 20.5 | 23 49.70 | +08 42.1 | 19.7 | -0.97 | - 6.7 | 3.7/23.9 | 47981 |
| 1999 XE <sub>52</sub>  | 2003 09 20.6 | 23 49.66 | +05 40.6 | 19.1 | -0.81 | - 5.3 | 2.4/22.9 | 50442 |
| 2002 GG <sub>16</sub>  | 2003 09 20.6 | 23 49.69 | -03 28.9 | 20.4 | -0.90 | - 7.1 | 0.9/19.8 | 48226 |
| 2001 FF <sub>100</sub> | 2003 09 20.6 | 23 49.69 | +26 21.9 | 20.2 | -0.89 | - 1.6 | 6.6/30.1 | 33396 |
| 2002 DC <sub>2</sub>   | 2003 09 20.6 | 23 49.73 | -18 21.5 | 20.3 | -1.60 | + 2.2 | 7.6/17.0 | 30696 |
| 1999 VY <sub>88</sub>  | 2003 09 20.6 | 23 49.74 | -11 58.8 | 20.0 | -0.88 | - 3.4 | 3.6/17.2 | 34807 |
| 1999 XU <sub>40</sub>  | 2003 09 20.6 | 23 49.75 | +05 36.9 | 18.5 | -0.79 | - 4.6 | 3.2/22.8 | 49756 |
| 1997 AD                | 2003 09 20.6 | 23 49.81 | +17 04.2 | 18.3 | -0.93 | - 3.8 | 5.7/26.5 | 50377 |
| 2001 EU <sub>15</sub>  | 2003 09 20.6 | 23 49.89 | -13 10.7 | 19.6 | -0.79 | - 6.4 | 3.7/16.4 | 48015 |
| 2002 GZ <sub>84</sub>  | 2003 09 20.6 | 23 49.93 | -22 36.1 | 18.8 | -0.94 | - 2.2 | 7.3/14.1 | 32001 |
| 2002 JA <sub>132</sub> | 2003 09 20.6 | 23 49.95 | -04 09.8 | 18.9 | -0.94 | - 4.5 | 1.3/19.7 | 50089 |
| 4281 P-L               | 2003 09 20.6 | 23 49.96 | -01 59.9 | 19.0 | -0.80 | - 3.8 | 0.3/20.4 | 34057 |
| 2002 CV <sub>173</sub> | 2003 09 20.6 | 23 49.98 | -11 13.1 | 18.6 | -0.94 | - 6.3 | 4.0/17.4 | 50000 |
| 1999 XQ <sub>231</sub> | 2003 09 20.6 | 23 49.98 | -22 59.6 | 19.3 | -0.85 | - 3.7 | 6.2/13.0 | 50448 |
| 2000 AF <sub>55</sub>  | 2003 09 20.7 | 23 50.02 | -03 44.8 | 19.3 | -0.71 | - 4.9 | 0.7/19.8 | 13103 |
| 2001 FA <sub>132</sub> | 2003 09 20.7 | 23 50.04 | +11 22.9 | 19.6 | -0.72 | - 4.4 | 3.2/25.1 | 33906 |
| 1999 XV <sub>13</sub>  | 2003 09 20.7 | 23 50.06 | -17 47.0 | 19.5 | -0.87 | - 7.2 | 5.9/14.6 | 38132 |
| 1999 TS <sub>138</sub> | 2003 09 20.7 | 23 50.12 | +01 19.4 | 20.0 | -0.85 | - 6.0 | 0.9/21.5 | 12172 |
| 1999 TC <sub>34</sub>  | 2003 09 20.7 | 23 50.14 | +03 56.8 | 18.9 | -0.71 | - 9.0 | 2.2/22.6 | 49700 |
| 2000 DD <sub>61</sub>  | 2003 09 20.7 | 23 50.14 | -04 54.2 | 17.8 | -0.70 | - 6.5 | 1.2/19.4 | 50462 |
| 2001 HF <sub>22</sub>  | 2003 09 20.7 | 23 50.20 | +12 29.3 | 19.0 | -0.67 | - 7.3 | 3.9/25.9 | 50533 |
| 1998 HC <sub>16</sub>  | 2003 09 20.7 | 23 50.25 | -16 42.4 | 18.9 | -0.94 | - 2.7 | 6.2/16.1 | 50384 |
| 1999 JT <sub>13</sub>  | 2003 09 20.7 | 23 50.27 | -12 09.7 | 20.7 | -0.98 | - 6.7 | 4.3/17.1 | 47778 |
| 2000 VL <sub>51</sub>  | 2003 09 20.7 | 23 50.30 | +02 16.4 | 18.5 | -1.02 | - 4.7 | 1.3/21.8 | 31922 |
| 2001 BX <sub>24</sub>  | 2003 09 20.7 | 23 50.39 | -00 03.0 | 19.0 | -0.92 | - 6.7 | 9.9/01.0 | 12274 |
| 1993 FJ <sub>30</sub>  | 2003 09 20.7 | 23 50.40 | +06 27.5 | 20.1 | -0.77 | - 9.5 | 2.2/23.6 | 50368 |
| 2002 JG <sub>27</sub>  | 2003 09 20.8 | 23 50.33 | +03 59.3 | 19.8 | -0.85 | - 8.2 | 1.8/22.6 | 31643 |
| 1998 HX <sub>69</sub>  | 2003 09 20.8 | 23 50.38 | -01 19.8 | 20.0 | -0.90 | - 5.8 | 0.1/20.7 | 31815 |
| 1998 WW <sub>22</sub>  | 2003 09 20.8 | 23 50.41 | -05 56.3 | 19.2 | -0.75 | - 4.9 | 1.6/19.2 | 50399 |
| 1996 XH <sub>16</sub>  | 2003 09 20.8 | 23 50.42 | -00 05.5 | 19.7 | -0.93 | - 5.9 | 9.9/01.0 | 10836 |
| 1993 GH <sub>1</sub>   | 2003 09 20.8 | 23 50.48 | -20 30.1 | 19.0 | -0.98 | - 1.8 | 6.1/15.0 | 50368 |
| 1999 VO <sub>165</sub> | 2003 09 20.8 | 23 50.49 | -02 01.9 | 19.3 | -0.85 | - 4.1 | 0.3/20.5 | 17083 |
| 1998 FT <sub>99</sub>  | 2003 09 20.8 | 23 50.50 | +05 05.4 | 18.7 | -0.99 | - 3.9 | 2.2/22.7 | 50383 |
| 2001 BX <sub>28</sub>  | 2003 09 20.8 | 23 50.52 | +03 51.9 | 18.0 | -0.95 | - 5.8 | 2.0/22.4 | 12275 |
| 1999 TC <sub>53</sub>  | 2003 09 20.8 | 23 50.58 | +03 55.2 | 18.5 | -0.83 | - 5.5 | 1.5/22.5 | 50424 |
| 2002 HY <sub>4</sub>   | 2003 09 20.8 | 23 50.61 | -15 38.8 | 18.2 | -0.88 | - 3.8 | 4.9/16.3 | 50071 |
| 1999 RK <sub>143</sub> | 2003 09 20.8 | 23 50.64 | -02 43.5 | 18.0 | -0.75 | - 7.4 | 0.8/20.3 | 50418 |
| 1998 SU <sub>142</sub> | 2003 09 20.8 | 23 50.66 | -08 31.0 | 18.7 | -0.90 | - 1.1 | 2.6/18.7 | 50395 |
| 2002 GN <sub>56</sub>  | 2003 09 20.8 | 23 50.69 | +03 33.6 | 18.5 | -0.97 | - 3.8 | 1.8/22.3 | 50603 |
| 2000 UE <sub>22</sub>  | 2003 09 20.8 | 23 50.74 | -15 10.6 | 17.8 | -0.99 | - 4.6 | 6.6/16.3 | 50498 |
| 2002 JR <sub>78</sub>  | 2003 09 20.8 | 23 50.77 | -08 46.2 | 18.5 | -0.93 | - 3.1 | 3.1/18.6 | 50610 |
| 2001 DX <sub>94</sub>  | 2003 09 20.9 | 23 50.70 | +14 55.2 | 20.4 | -0.83 | - 5.6 | 4.8/26.4 | 18313 |
| 2001 AL <sub>26</sub>  | 2003 09 20.9 | 23 50.70 | -12 01.4 | 18.2 | -0.97 | - 4.0 | 4.0/17.5 | 50517 |
| 1999 NG <sub>12</sub>  | 2003 09 20.9 | 23 50.70 | +05 42.9 | 18.1 | -0.90 | - 5.7 | 2.8/23.1 | 1446  |
| 1999 VN <sub>218</sub> | 2003 09 20.9 | 23 50.75 | +02 49.2 | 19.2 | -0.80 | - 9.7 | 1.4/22.3 | 50440 |
| 1999 VP <sub>115</sub> | 2003 09 20.9 | 23 50.80 | -06 25.5 | 19.4 | -0.82 | - 5.1 | 1.9/19.1 | 50437 |
| 1999 VU <sub>188</sub> | 2003 09 20.9 | 23 50.81 | +06 47.1 | 19.5 | -0.76 | - 7.0 | 2.4/23.7 | 13625 |
| 2002 FL <sub>1</sub>   | 2003 09 20.9 | 23 50.81 | -10 44.0 | 18.1 | -1.37 | + 2.1 | 3.7/18.9 | 30728 |

|                        |              |                        |       |       |           |       |
|------------------------|--------------|------------------------|-------|-------|-----------|-------|
| 2001 BM <sub>29</sub>  | 2003 09 20.9 | 23 50.87 +04 42.6 20.3 | -0.77 | - 5.0 | 1.6/22.9  | 50518 |
| 2000 CS <sub>64</sub>  | 2003 09 20.9 | 23 50.87 -05 33.6 17.6 | -0.78 | - 4.4 | 1.6/19.4  | 38730 |
| 2001 CB <sub>45</sub>  | 2003 09 20.9 | 23 50.87 -26 45.9 18.0 | -0.90 | - 5.8 | 9.5/11.2  | 50522 |
| 2002 ES <sub>74</sub>  | 2003 09 20.9 | 23 50.90 -00 53.5 19.9 | -0.90 | - 4.7 | 8.0/11.0  | 31979 |
| 1999 YY <sub>14</sub>  | 2003 09 20.9 | 23 51.00 -38 45.6 19.6 | -1.14 | - 1.0 | 11.4/07.0 | 1559  |
| 1998 WE <sub>16</sub>  | 2003 09 20.9 | 23 51.00 -11 27.4 19.4 | -0.74 | - 4.3 | 3.0/17.4  | 50399 |
| 2002 HF <sub>2</sub>   | 2003 09 20.9 | 23 51.01 -07 43.2 19.3 | -0.92 | - 6.6 | 2.8/18.7  | 50606 |
| 2001 FV <sub>157</sub> | 2003 09 20.9 | 23 51.06 -11 12.6 18.8 | -0.70 | - 8.1 | 3.3/17.1  | 50532 |
| 2000 AT <sub>199</sub> | 2003 09 20.9 | 23 51.10 -24 40.3 18.1 | -0.85 | - 8.0 | 8.2/11.6  | 50455 |
| 2002 HW <sub>10</sub>  | 2003 09 20.9 | 23 51.11 -23 53.0 18.4 | -0.93 | - 0.1 | 7.4/14.4  | 32012 |
| 2001 GS <sub>5</sub>   | 2003 09 21.0 | 23 51.06 -07 11.4 19.4 | -0.85 | - 2.6 | 2.0/19.1  | 50532 |
| 2000 AQ <sub>230</sub> | 2003 09 21.0 | 23 51.08 +34 28.6 19.9 | -1.35 | + 7.7 | 15.2/27.8 | 49784 |
| 2000 SH <sub>115</sub> | 2003 09 21.0 | 23 51.13 -02 21.5 17.9 | -0.93 | - 5.5 | 0.7/20.6  | 50490 |
| 1997 YD <sub>1</sub>   | 2003 09 21.0 | 23 51.21 +35 23.1 20.0 | -1.14 | - 2.4 | 10.9/03.7 | 34701 |
| 1999 TG <sub>189</sub> | 2003 09 21.0 | 23 51.32 +03 26.0 17.9 | -1.01 | - 1.1 | 1.6/22.3  | 50428 |
| 1998 EL <sub>8</sub>   | 2003 09 21.0 | 23 51.36 +07 08.5 17.5 | -0.91 | - 8.0 | 3.4/23.8  | 50381 |
| 2002 ET <sub>97</sub>  | 2003 09 21.0 | 23 51.37 -07 32.3 20.5 | -0.91 | - 7.3 | 2.3/18.9  | 41764 |
| 2001 BZ <sub>70</sub>  | 2003 09 21.0 | 23 51.38 +01 22.0 17.3 | -0.79 | - 6.3 | 1.1/21.9  | 33363 |
| 2001 CH <sub>4</sub>   | 2003 09 21.0 | 23 51.40 -20 34.3 19.0 | -0.79 | - 9.4 | 6.4/13.4  | 37538 |
| 1999 KP <sub>5</sub>   | 2003 09 21.0 | 23 51.41 +07 47.7 20.5 | -0.93 | - 9.3 | 3.3/24.2  | 35471 |
| 2000 VK <sub>20</sub>  | 2003 09 21.0 | 23 51.47 -05 43.1 18.2 | -0.97 | - 6.5 | 1.9/19.5  | 31347 |
| 1999 UM <sub>52</sub>  | 2003 09 21.1 | 23 51.41 -00 48.6 18.4 | -0.75 | - 8.6 | 0.0/21.1  | 50433 |
| 1999 TK <sub>161</sub> | 2003 09 21.1 | 23 51.43 +02 47.9 19.8 | -0.85 | - 5.9 | 1.4/22.3  | 47808 |
| 1994 XV <sub>2</sub>   | 2003 09 21.1 | 23 51.46 -04 23.7 20.3 | -0.77 | - 5.9 | 1.1/19.9  | 12847 |
| 1998 FH <sub>35</sub>  | 2003 09 21.1 | 23 51.47 -00 27.7 17.5 | -0.89 | - 8.0 | 0.2/21.3  | 50382 |
| 2002 JC <sub>111</sub> | 2003 09 21.1 | 23 51.48 +01 38.8 19.6 | -0.90 | - 4.8 | 0.8/21.9  | 33574 |
| 2002 HL <sub>13</sub>  | 2003 09 21.1 | 23 51.49 -13 28.3 18.0 | -0.77 | -13.7 | 3.8/16.1  | 50606 |
| 2002 FL <sub>27</sub>  | 2003 09 21.1 | 23 51.50 -21 41.5 18.9 | -0.88 | - 6.5 | 7.6/14.0  | 33541 |
| 2000 XB <sub>12</sub>  | 2003 09 21.1 | 23 51.50 +14 28.8 17.9 | -1.04 | - 1.8 | 7.4/26.0  | 49856 |
| 2001 CT <sub>2</sub>   | 2003 09 21.1 | 23 51.51 -00 32.5 18.0 | -0.88 | - 3.1 | 0.1/21.2  | 50520 |
| 2001 BG <sub>76</sub>  | 2003 09 21.1 | 23 51.57 -00 07.7 16.3 | -0.73 | -20.8 | 0.3/21.5  | 50520 |
| 2001 HB <sub>45</sub>  | 2003 09 21.1 | 23 51.57 -05 43.8 17.7 | -0.82 | - 2.2 | 1.5/19.7  | 50534 |
| 1999 CS <sub>133</sub> | 2003 09 21.1 | 23 51.60 +16 44.5 18.4 | -0.72 | - 5.8 | 6.2/27.7  | 50404 |
| 2001 DC <sub>9</sub>   | 2003 09 21.1 | 23 51.62 +14 56.4 17.2 | -1.74 | +15.0 | 8.7/22.2  | 49900 |
| 1999 TA <sub>292</sub> | 2003 09 21.1 | 23 51.67 +05 50.7 19.3 | -0.83 | - 5.4 | 2.1/23.4  | 47814 |
| 2002 EH <sub>35</sub>  | 2003 09 21.1 | 23 51.73 -00 14.8 20.4 | -0.92 | - 7.2 | 0.2/21.4  | 48217 |
| 2001 DW <sub>98</sub>  | 2003 09 21.1 | 23 51.76 +15 06.4 18.7 | -0.91 | - 2.9 | 5.0/26.2  | 50525 |
| 2001 DV <sub>18</sub>  | 2003 09 21.1 | 23 51.81 +07 11.2 18.9 | -1.29 | + 2.8 | 3.0/22.9  | 11864 |
| 1999 TV <sub>260</sub> | 2003 09 21.1 | 23 51.81 -14 12.1 17.9 | -1.09 | + 1.8 | 5.8/17.8  | 49724 |
| 2002 GS <sub>104</sub> | 2003 09 21.2 | 23 51.86 -11 13.6 19.6 | -0.78 | - 7.5 | 3.4/17.5  | 31577 |
| 1998 XC <sub>78</sub>  | 2003 09 21.2 | 23 51.87 +04 12.7 18.5 | -0.66 | - 9.3 | 1.7/23.2  | 50400 |
| 2000 UJ <sub>19</sub>  | 2003 09 21.2 | 23 51.93 -16 08.1 18.1 | -0.89 | - 2.6 | 8.1/16.4  | 50498 |
| 2000 YP                | 2003 09 21.2 | 23 51.96 -45 50.5 21.6 | -1.12 | - 0.3 | 10.8/06.0 | 47997 |
| 1999 SM <sub>4</sub>   | 2003 09 21.2 | 23 52.01 -06 22.4 18.0 | -1.16 | + 2.6 | 2.4/20.0  | 50422 |
| 2002 JF <sub>15</sub>  | 2003 09 21.2 | 23 52.09 -03 17.5 19.4 | -0.81 | - 7.4 | 0.9/20.4  | 48232 |
| 1998 QM <sub>104</sub> | 2003 09 21.2 | 23 52.13 -08 58.9 18.6 | -1.00 | + 0.4 | 2.8/19.1  | 50389 |
| 2000 VO <sub>25</sub>  | 2003 09 21.2 | 23 52.18 +00 26.7 19.6 | -0.98 | - 6.5 | 0.5/21.7  | 33885 |
| 2003 QG <sub>59</sub>  | 2003 09 21.2 | 23 52.19 -11 24.1 17.8 | -0.80 | - 7.8 | 4.6/17.5  | 50315 |
| 2001 BR <sub>60</sub>  | 2003 09 21.3 | 23 52.15 +12 33.9 19.7 | -0.85 | - 5.9 | 4.3/25.9  | 48007 |
| 2000 XO <sub>22</sub>  | 2003 09 21.3 | 23 52.18 +02 29.1 19.7 | -1.03 | - 4.0 | 1.4/22.3  | 9890  |
| 2000 AC <sub>37</sub>  | 2003 09 21.3 | 23 52.19 +10 20.5 17.7 | -0.82 | - 3.1 | 3.5/24.9  | 50450 |

|                        |              |                        |       |       |          |       |
|------------------------|--------------|------------------------|-------|-------|----------|-------|
| 2000 EG <sub>103</sub> | 2003 09 21.3 | 23 52.24 -01 40.7 17.8 | -0.71 | - 7.7 | 0.3/21.0 | 50465 |
| 1999 VF <sub>20</sub>  | 2003 09 21.3 | 23 52.25 -08 20.9 18.1 | -0.82 | - 1.9 | 3.7/19.0 | 49739 |
| 1991 GW <sub>10</sub>  | 2003 09 21.3 | 23 52.38 -06 24.1 20.3 | -0.83 | - 2.6 | 1.6/19.6 | 47683 |
| 2002 JB <sub>98</sub>  | 2003 09 21.3 | 23 52.39 -02 11.1 20.0 | -0.78 | - 8.6 | 0.4/20.9 | 34003 |
| 2001 DW <sub>56</sub>  | 2003 09 21.3 | 23 52.43 +00 36.9 19.4 | -0.85 | - 3.8 | 0.5/21.8 | 48012 |
| 2001 FF <sub>154</sub> | 2003 09 21.3 | 23 52.46 -07 02.4 20.8 | -0.83 | - 2.3 | 1.9/19.5 | 48026 |
| 1999 TF <sub>69</sub>  | 2003 09 21.3 | 23 52.46 +00 02.5 19.3 | -0.87 | - 4.7 | 0.3/21.7 | 50424 |
| 1998 XC <sub>1</sub>   | 2003 09 21.3 | 23 52.54 -06 21.3 18.7 | -0.75 | - 4.6 | 1.9/19.5 | 50399 |
| 2000 AE <sub>209</sub> | 2003 09 21.3 | 23 52.55 -01 20.0 19.5 | -0.71 | - 4.4 | 0.1/21.2 | 47845 |
| 2002 JO <sub>133</sub> | 2003 09 21.3 | 23 52.55 -04 59.3 20.2 | -1.02 | - 3.5 | 1.5/20.2 | 50611 |
| 2000 XX <sub>49</sub>  | 2003 09 21.3 | 23 52.56 -22 20.6 19.3 | -0.94 | - 4.4 | 6.7/14.0 | 13800 |
| 2001 EJ <sub>3</sub>   | 2003 09 21.4 | 23 52.56 +07 42.0 19.1 | -0.96 | - 1.9 | 2.7/23.9 | 13268 |
| 2002 HH <sub>3</sub>   | 2003 09 21.4 | 23 52.56 +00 31.7 18.1 | -0.75 | - 9.2 | 0.5/21.9 | 30741 |
| 2001 DD <sub>54</sub>  | 2003 09 21.4 | 23 52.57 -00 55.4 19.4 | -0.77 | - 4.4 | 0.0/21.4 | 50524 |
| 1999 XU <sub>116</sub> | 2003 09 21.4 | 23 52.59 +06 39.5 17.3 | -0.78 | - 3.3 | 3.7/23.8 | 49763 |
| 1998 HA <sub>128</sub> | 2003 09 21.4 | 23 52.61 -01 04.8 20.4 | -0.93 | - 5.5 | 0.1/21.3 | 47731 |
| 1999 TA <sub>24</sub>  | 2003 09 21.4 | 23 52.64 -04 55.5 19.0 | -0.89 | - 4.5 | 1.4/20.1 | 50423 |
| 2002 JE <sub>56</sub>  | 2003 09 21.4 | 23 52.64 -00 18.2 19.9 | -0.90 | - 6.0 | 0.2/21.6 | 48234 |
| 2000 WN <sub>36</sub>  | 2003 09 21.4 | 23 52.65 -11 06.6 18.3 | -0.91 | - 7.9 | 4.1/17.8 | 50504 |
| 2002 GT <sub>174</sub> | 2003 09 21.4 | 23 52.71 -08 19.7 19.0 | -0.85 | - 5.4 | 2.6/19.0 | 50069 |
| 2002 CQ <sub>22</sub>  | 2003 09 21.4 | 23 52.71 +03 36.2 19.2 | -1.07 | - 4.7 | 1.8/22.8 | 27455 |
| 1999 TP <sub>147</sub> | 2003 09 21.4 | 23 52.75 -16 41.2 18.7 | -1.01 | - 1.3 | 5.6/16.9 | 50427 |
| 1999 TR <sub>51</sub>  | 2003 09 21.4 | 23 52.78 +10 44.7 20.6 | -0.79 | - 8.9 | 3.9/25.7 | 15646 |
| 1999 TW <sub>219</sub> | 2003 09 21.4 | 23 52.87 +04 48.7 18.6 | -1.02 | - 1.6 | 1.9/23.0 | 50429 |
| 2000 WU <sub>152</sub> | 2003 09 21.4 | 23 52.92 -01 05.8 17.0 | -1.06 | + 2.4 | 0.2/21.4 | 50508 |
| 2000 WK <sub>126</sub> | 2003 09 21.5 | 23 52.87 -03 46.8 19.2 | -0.98 | - 3.8 | 1.0/20.6 | 47991 |
| 2000 WO <sub>73</sub>  | 2003 09 21.5 | 23 52.88 -04 56.8 19.1 | -1.01 | - 4.1 | 1.5/20.3 | 50506 |
| 1999 RP <sub>35</sub>  | 2003 09 21.5 | 23 52.94 -02 53.2 17.7 | -0.92 | + 0.1 | 1.1/20.9 | 49676 |
| 2000 YZ <sub>115</sub> | 2003 09 21.5 | 23 52.97 -07 10.7 18.6 | -0.94 | - 5.6 | 2.5/19.5 | 50515 |
| 2003 QE <sub>59</sub>  | 2003 09 21.5 | 23 53.02 -12 09.0 17.5 | -0.79 | - 7.7 | 5.3/17.5 | 50315 |
| 2001 FU <sub>105</sub> | 2003 09 21.5 | 23 53.04 -06 54.8 18.3 | -0.77 | - 4.3 | 1.9/19.5 | 50530 |
| 1999 XS <sub>205</sub> | 2003 09 21.5 | 23 53.08 -10 40.0 18.8 | -0.93 | - 2.7 | 4.0/18.5 | 49769 |
| 2000 DG <sub>80</sub>  | 2003 09 21.5 | 23 53.12 +03 35.6 17.4 | -0.87 | - 1.2 | 1.4/22.8 | 50462 |
| 2001 DY <sub>22</sub>  | 2003 09 21.5 | 23 53.15 -03 03.4 17.7 | -0.94 | - 4.2 | 1.0/20.9 | 49900 |
| 2000 WF <sub>177</sub> | 2003 09 21.5 | 23 53.20 -13 34.5 20.0 | -0.95 | - 5.8 | 5.1/17.4 | 31362 |
| 2001 BP <sub>72</sub>  | 2003 09 21.5 | 23 53.20 -03 19.0 20.7 | -0.81 | - 7.8 | 0.8/20.7 | 14921 |
| 2001 FH <sub>127</sub> | 2003 09 21.5 | 23 53.23 -16 31.6 18.9 | -0.73 | - 4.7 | 4.4/16.1 | 50531 |
| 2002 HH <sub>9</sub>   | 2003 09 21.6 | 23 53.24 -07 49.4 20.6 | -0.91 | - 6.2 | 2.5/19.3 | 48232 |
| 1998 DC <sub>2</sub>   | 2003 09 21.6 | 23 53.24 -04 30.5 18.1 | -0.67 | - 3.2 | 1.1/20.3 | 50381 |
| 1999 RH <sub>42</sub>  | 2003 09 21.6 | 23 53.31 -02 23.0 18.2 | -0.84 | - 2.6 | 0.5/21.1 | 50415 |
| 2003 QT <sub>20</sub>  | 2003 09 21.6 | 23 53.40 -06 27.0 18.2 | -0.75 | - 5.3 | 2.1/19.7 | 50298 |
| 1999 TS <sub>215</sub> | 2003 09 21.6 | 23 53.46 -02 29.1 17.7 | -0.67 | - 8.2 | 0.8/21.0 | 50429 |
| 1999 VZ <sub>53</sub>  | 2003 09 21.6 | 23 53.46 -03 19.8 18.6 | -0.86 | - 4.5 | 0.9/20.8 | 50435 |
| 2001 BZ <sub>24</sub>  | 2003 09 21.6 | 23 53.50 -03 13.7 19.4 | -0.89 | - 7.2 | 1.0/20.8 | 50518 |
| 2001 FR <sub>99</sub>  | 2003 09 21.6 | 23 53.64 -18 36.0 19.1 | -0.83 | - 2.9 | 5.5/15.8 | 50530 |
| 1999 XD <sub>18</sub>  | 2003 09 21.7 | 23 53.57 -19 18.7 18.2 | -1.10 | + 0.3 | 7.2/16.6 | 50441 |
| 2002 CL <sub>104</sub> | 2003 09 21.7 | 23 53.61 -08 28.6 19.4 | -0.86 | - 8.4 | 2.7/19.0 | 30659 |
| 2002 GM <sub>165</sub> | 2003 09 21.7 | 23 53.65 +04 43.4 17.1 | -0.82 | - 9.6 | 2.3/23.7 | 50605 |
| 2002 GD <sub>14</sub>  | 2003 09 21.7 | 23 53.71 -04 09.0 20.5 | -0.92 | - 5.2 | 1.2/20.6 | 48226 |
| 2001 FG <sub>25</sub>  | 2003 09 21.7 | 23 53.72 +05 42.5 19.6 | -1.01 | - 1.1 | 2.3/23.5 | 50527 |
| 2001 AW <sub>4</sub>   | 2003 09 21.7 | 23 53.72 +05 13.4 19.6 | -0.92 | - 6.0 | 2.0/23.7 | 12268 |

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M.P.C. 49719

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 RJ <sub>90</sub>  | 2003 09 21.7 | 23 53.72 | -08 21.7 | 18.3 | -1.05 | - 1.0 | 2.8/19.6  | 50416 |
| 2003 MR <sub>9</sub>   | 2003 09 21.7 | 23 53.74 | -01 56.1 | 19.6 | -0.73 | - 5.3 | 0.4/21.3  | 50770 |
| 1999 TX <sub>102</sub> | 2003 09 21.7 | 23 53.74 | -11 48.5 | 19.0 | -0.78 | - 9.1 | 3.5/17.6  | 50425 |
| 2001 DZ <sub>18</sub>  | 2003 09 21.7 | 23 53.76 | -08 38.5 | 19.8 | -0.82 | - 3.7 | 2.2/19.2  | 13813 |
| 2000 BP <sub>48</sub>  | 2003 09 21.7 | 23 53.80 | -02 26.3 | 21.6 | -0.78 | - 5.6 | 0.6/21.2  | 12235 |
| 2000 CS <sub>30</sub>  | 2003 09 21.7 | 23 53.80 | -08 26.3 | 19.0 | -0.68 | - 6.9 | 2.1/18.9  | 50458 |
| 2002 HX <sub>4</sub>   | 2003 09 21.7 | 23 53.82 | -05 19.1 | 18.7 | -0.92 | - 2.8 | 1.6/20.4  | 50070 |
| 2002 EK <sub>87</sub>  | 2003 09 21.7 | 23 53.85 | -04 13.4 | 19.0 | -0.86 | - 6.2 | 1.3/20.6  | 50598 |
| 1999 VT <sub>32</sub>  | 2003 09 21.7 | 23 53.87 | -07 30.4 | 19.8 | -0.83 | - 4.4 | 2.2/19.6  | 12189 |
| 2000 YL <sub>125</sub> | 2003 09 21.7 | 23 53.89 | +00 51.9 | 19.1 | -0.95 | - 2.2 | 0.5/22.2  | 49877 |
| 2000 WP <sub>30</sub>  | 2003 09 21.7 | 23 53.92 | -10 51.2 | 19.5 | -0.93 | - 7.4 | 4.3/18.3  | 50504 |
| 2001 BL <sub>44</sub>  | 2003 09 21.7 | 23 53.96 | +31 10.1 | 19.3 | -1.32 | + 3.2 | 10.9/29.7 | 11828 |
| 1995 ES <sub>6</sub>   | 2003 09 21.7 | 23 53.98 | -00 43.5 | 20.3 | -0.73 | - 4.5 | 0.0/21.8  | 16005 |
| 1994 RF <sub>6</sub>   | 2003 09 21.7 | 23 53.98 | +01 08.7 | 19.8 | -0.79 | - 6.7 | 0.6/22.4  | 27581 |
| 2000 XH <sub>30</sub>  | 2003 09 21.8 | 23 53.96 | +05 16.2 | 17.9 | -1.01 | - 4.2 | 2.4/23.6  | 50510 |
| 2002 HT <sub>15</sub>  | 2003 09 21.8 | 23 54.03 | -02 37.1 | 19.3 | -0.82 | - 7.1 | 0.7/21.1  | 50606 |
| 2000 AP <sub>107</sub> | 2003 09 21.8 | 23 54.04 | -18 58.8 | 17.4 | -0.74 | - 7.0 | 5.8/14.9  | 50453 |
| 1999 XF <sub>73</sub>  | 2003 09 21.8 | 23 54.06 | +01 37.0 | 17.5 | -0.78 | - 6.2 | 0.8/22.6  | 50443 |
| 1999 XQ <sub>74</sub>  | 2003 09 21.8 | 23 54.07 | -20 40.6 | 18.6 | -0.80 | - 4.3 | 6.4/14.9  | 50443 |
| 1999 XF <sub>202</sub> | 2003 09 21.8 | 23 54.12 | -11 36.6 | 19.2 | -0.86 | - 2.9 | 3.6/18.4  | 27656 |
| 1999 XE <sub>161</sub> | 2003 09 21.8 | 23 54.21 | +10 52.3 | 18.5 | -0.85 | - 2.6 | 3.4/25.5  | 50446 |
| 2001 AT                | 2003 09 21.8 | 23 54.21 | -03 31.9 | 17.8 | -0.94 | - 5.3 | 1.2/20.9  | 50516 |
| 2002 KO <sub>8</sub>   | 2003 09 21.8 | 23 54.28 | -05 21.6 | 18.3 | -0.72 | - 8.4 | 1.7/20.1  | 50612 |
| 2001 AM <sub>10</sub>  | 2003 09 21.8 | 23 54.29 | +09 19.4 | 18.7 | -0.89 | - 6.7 | 3.9/25.2  | 50516 |
| 1999 VN <sub>184</sub> | 2003 09 21.8 | 23 54.33 | -17 12.2 | 20.5 | -0.94 | - 3.4 | 5.1/16.5  | 17085 |
| 1999 XB <sub>93</sub>  | 2003 09 21.9 | 23 54.30 | -01 31.5 | 19.1 | -0.76 | - 5.7 | 0.3/21.6  | 50443 |
| 2001 EV                | 2003 09 21.9 | 23 54.31 | -09 12.8 | 20.2 | -0.78 | - 3.8 | 2.5/19.1  | 13819 |
| 1999 RY <sub>227</sub> | 2003 09 21.9 | 23 54.33 | -01 09.4 | 19.1 | -0.87 | - 5.9 | 0.2/21.7  | 50421 |
| 2001 BJ <sub>35</sub>  | 2003 09 21.9 | 23 54.40 | +04 56.3 | 18.6 | -0.78 | - 4.2 | 1.6/23.8  | 12276 |
| 1999 VU <sub>90</sub>  | 2003 09 21.9 | 23 54.44 | -07 18.4 | 18.0 | -0.91 | - 3.7 | 2.7/19.8  | 50436 |
| 2000 AS <sub>211</sub> | 2003 09 21.9 | 23 54.45 | +24 27.1 | 18.7 | -0.99 | + 1.3 | 9.6/29.4  | 49784 |
| 1981 EW <sub>37</sub>  | 2003 09 21.9 | 23 54.46 | +05 47.7 | 19.3 | -0.89 | - 4.7 | 2.3/24.0  | 31800 |
| 1999 XR <sub>71</sub>  | 2003 09 21.9 | 23 54.49 | +14 08.5 | 17.8 | -0.78 | - 6.0 | 5.7/27.2  | 33845 |
| 2001 CS <sub>39</sub>  | 2003 09 21.9 | 23 54.52 | -03 34.9 | 19.4 | -0.94 | - 2.5 | 0.9/21.1  | 48009 |
| 2001 FN <sub>113</sub> | 2003 09 21.9 | 23 54.54 | +15 19.5 | 19.6 | -0.93 | - 3.8 | 5.6/27.0  | 27193 |
| 1999 UD <sub>39</sub>  | 2003 09 21.9 | 23 54.56 | +09 39.4 | 18.0 | -0.83 | - 4.8 | 4.6/25.3  | 49734 |
| 2002 CT <sub>236</sub> | 2003 09 21.9 | 23 54.70 | -11 33.9 | 18.6 | -0.85 | - 5.4 | 3.7/18.4  | 50594 |
| 1998 HK <sub>21</sub>  | 2003 09 22.0 | 23 54.68 | +00 53.3 | 19.9 | -0.89 | - 6.5 | 0.5/22.5  | 47729 |
| 2001 FL <sub>113</sub> | 2003 09 22.0 | 23 54.69 | -14 49.3 | 19.5 | -0.78 | - 3.1 | 4.0/17.4  | 48024 |
| 2000 YM <sub>47</sub>  | 2003 09 22.0 | 23 54.69 | +20 54.4 | 19.4 | -0.90 | - 4.4 | 6.7/29.5  | 50512 |
| 2001 EM <sub>4</sub>   | 2003 09 22.0 | 23 54.69 | -02 56.4 | 19.5 | -0.85 | - 3.9 | 0.7/21.3  | 11930 |
| 2000 UC <sub>40</sub>  | 2003 09 22.0 | 23 54.78 | +05 35.8 | 20.1 | -0.95 | - 7.0 | 2.3/24.1  | 47977 |
| 2001 DV <sub>28</sub>  | 2003 09 22.0 | 23 54.80 | -05 43.7 | 19.3 | -0.88 | - 5.0 | 1.7/20.4  | 16091 |
| 2000 UF <sub>32</sub>  | 2003 09 22.0 | 23 54.89 | -11 12.6 | 19.3 | -1.04 | - 4.0 | 4.8/18.8  | 50499 |
| 1999 VA <sub>82</sub>  | 2003 09 22.0 | 23 54.92 | -00 38.7 | 19.2 | -0.83 | - 6.4 | 0.0/22.0  | 50436 |
| 2001 DT <sub>42</sub>  | 2003 09 22.0 | 23 54.94 | -04 24.6 | 18.4 | -0.85 | - 7.0 | 1.7/20.7  | 49902 |
| 2000 WY <sub>158</sub> | 2003 09 22.0 | 23 54.95 | -09 48.5 | 18.1 | -0.89 | - 9.3 | 3.8/18.7  | 50508 |
| 2000 HH <sub>98</sub>  | 2003 09 22.0 | 23 54.98 | -06 18.9 | 20.0 | -0.62 | - 3.9 | 1.4/20.1  | 49799 |
| 2002 JJ <sub>147</sub> | 2003 09 22.0 | 23 55.02 | +04 45.1 | 17.9 | -0.83 | - 8.7 | 2.1/24.0  | 50611 |
| 2001 AY <sub>23</sub>  | 2003 09 22.0 | 23 55.08 | -24 11.1 | 19.0 | -0.97 | - 2.5 | 7.9/14.5  | 50516 |
| 2002 CZ <sub>114</sub> | 2003 09 22.1 | 23 55.00 | -12 32.1 | 18.9 | -1.00 | - 5.6 | 4.3/18.3  | 30661 |

|                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 4812 P-L               | 2003 09 22.1 | 23 55.06 | -01 52.4 | 18.8 | -0.77 | - 4.8 | 0.5/21.7  | 50810 |
| 1999 RM <sub>238</sub> | 2003 09 22.1 | 23 55.06 | -11 29.5 | 19.4 | -0.72 | -12.6 | 4.0/17.7  | 50421 |
| 2000 YZ <sub>63</sub>  | 2003 09 22.1 | 23 55.17 | -11 19.8 | 18.3 | -0.82 | - 8.7 | 4.9/18.1  | 49869 |
| 1999 YQ <sub>5</sub>   | 2003 09 22.1 | 23 55.17 | +19 36.0 | 17.2 | -1.67 | +14.2 | 10.2/23.8 | 49772 |
| 2002 LV <sub>8</sub>   | 2003 09 22.1 | 23 55.19 | -03 13.2 | 19.7 | -0.70 | - 6.4 | 0.9/21.2  | 31773 |
| 2003 QJ <sub>65</sub>  | 2003 09 22.1 | 23 55.22 | -21 03.9 | 18.0 | -1.00 | - 1.7 | 10.2/15.7 | 50318 |
| 2000 YM <sub>127</sub> | 2003 09 22.1 | 23 55.33 | -08 27.2 | 20.2 | -0.85 | - 5.3 | 2.5/19.5  | 48002 |
| 2000 WE <sub>56</sub>  | 2003 09 22.1 | 23 55.37 | -04 29.3 | 17.9 | -0.93 | - 4.8 | 1.6/20.9  | 50505 |
| 2000 YO <sub>33</sub>  | 2003 09 22.1 | 23 55.40 | +06 33.1 | 18.8 | -0.91 | - 7.1 | 2.6/24.5  | 50512 |
| 1998 TL <sub>13</sub>  | 2003 09 22.1 | 23 55.41 | -04 42.9 | 19.3 | -0.77 | - 4.0 | 1.6/20.8  | 16859 |
| 1995 ER <sub>5</sub>   | 2003 09 22.2 | 23 55.39 | -04 46.2 | 18.7 | -0.69 | - 7.4 | 1.3/20.6  | 50372 |
| 1999 TY <sub>193</sub> | 2003 09 22.2 | 23 55.47 | -04 58.2 | 20.1 | -1.08 | - 4.2 | 1.7/20.9  | 667   |
| 2002 JB <sub>53</sub>  | 2003 09 22.2 | 23 55.48 | -07 06.5 | 18.7 | -1.04 | - 3.2 | 2.6/20.3  | 50609 |
| 2002 KR <sub>2</sub>   | 2003 09 22.2 | 23 55.50 | +01 03.4 | 19.3 | -0.76 | - 5.8 | 0.5/22.8  | 31757 |
| 2000 CZ <sub>84</sub>  | 2003 09 22.2 | 23 55.57 | -09 39.4 | 18.7 | -0.73 | - 5.4 | 2.9/19.0  | 50459 |
| 2000 UP <sub>55</sub>  | 2003 09 22.2 | 23 55.58 | -12 05.7 | 19.0 | -0.98 | - 5.6 | 5.2/18.5  | 9851  |
| 1995 FN <sub>7</sub>   | 2003 09 22.2 | 23 55.63 | -06 31.2 | 20.0 | -0.91 | - 7.9 | 2.2/20.2  | 31217 |
| 2000 WE <sub>130</sub> | 2003 09 22.2 | 23 55.69 | +09 55.9 | 19.9 | -0.94 | - 6.7 | 4.2/25.7  | 9880  |
| 1998 VX <sub>54</sub>  | 2003 09 22.2 | 23 55.71 | +34 26.8 | 18.8 | -0.82 | - 3.6 | 11.2/06.0 | 50398 |
| 2001 BX <sub>76</sub>  | 2003 09 22.2 | 23 55.76 | +00 44.5 | 18.9 | -0.74 | - 4.7 | 0.3/22.7  | 50520 |
| 1998 HJ <sub>16</sub>  | 2003 09 22.3 | 23 55.74 | -10 05.8 | 20.1 | -0.89 | - 5.2 | 3.4/19.2  | 31228 |
| 2001 DR <sub>52</sub>  | 2003 09 22.3 | 23 55.76 | -21 53.6 | 19.1 | -0.85 | - 6.5 | 6.9/14.5  | 50524 |
| 1996 XP <sub>12</sub>  | 2003 09 22.3 | 23 55.76 | +06 54.8 | 19.3 | -0.99 | - 3.9 | 3.2/24.5  | 47707 |
| 2001 CH <sub>20</sub>  | 2003 09 22.3 | 23 55.76 | -22 42.1 | 19.3 | -0.96 | - 2.7 | 7.4/15.1  | 50521 |
| 1997 GT <sub>17</sub>  | 2003 09 22.3 | 23 55.79 | -10 09.3 | 17.8 | -1.05 | + 0.3 | 3.6/19.8  | 50378 |
| 2001 AT <sub>30</sub>  | 2003 09 22.3 | 23 55.85 | -18 13.2 | 18.9 | -0.86 | - 4.2 | 5.1/16.5  | 50517 |
| 2000 UX <sub>43</sub>  | 2003 09 22.3 | 23 55.86 | +07 28.2 | 18.3 | -0.96 | - 6.6 | 3.1/24.9  | 50499 |
| 2001 DC <sub>37</sub>  | 2003 09 22.3 | 23 55.87 | -03 12.5 | 18.7 | -0.88 | - 7.7 | 1.2/21.4  | 49901 |
| 2000 CZ <sub>19</sub>  | 2003 09 22.3 | 23 55.87 | +16 07.9 | 17.7 | -0.78 | - 4.1 | 5.8/28.1  | 50457 |
| 2001 DW <sub>73</sub>  | 2003 09 22.3 | 23 55.88 | -05 22.7 | 19.4 | -0.68 | - 7.0 | 1.3/20.6  | 50525 |
| 2000 YW <sub>25</sub>  | 2003 09 22.3 | 23 55.94 | +13 04.0 | 19.7 | -0.94 | - 4.0 | 4.8/26.7  | 9474  |
| 2000 BW <sub>33</sub>  | 2003 09 22.3 | 23 55.95 | +08 12.7 | 18.8 | -0.81 | - 2.8 | 2.6/25.1  | 50457 |
| 2001 DX <sub>32</sub>  | 2003 09 22.3 | 23 55.96 | -03 58.5 | 19.2 | -0.74 | - 5.0 | 1.0/21.2  | 50523 |
| 2003 QS <sub>20</sub>  | 2003 09 22.3 | 23 55.99 | -09 52.3 | 17.4 | -0.65 | -11.4 | 3.2/18.5  | 50298 |
| 1999 VJ <sub>54</sub>  | 2003 09 22.3 | 23 55.99 | -03 00.4 | 19.1 | -0.85 | - 4.8 | 0.9/21.5  | 31875 |
| 2000 YP <sub>78</sub>  | 2003 09 22.3 | 23 56.04 | -05 04.6 | 19.9 | -0.91 | - 5.4 | 1.6/20.9  | 48000 |
| 2000 QW <sub>8</sub>   | 2003 09 22.3 | 23 56.10 | -01 20.7 | 17.8 | -0.69 | -11.3 | 0.5/22.0  | 50480 |
| 1998 KL <sub>7</sub>   | 2003 09 22.3 | 23 56.14 | +01 53.2 | 19.6 | -0.84 | - 6.9 | 0.7/23.2  | 47731 |
| 2003 QA <sub>21</sub>  | 2003 09 22.3 | 23 56.14 | -12 05.2 | 18.1 | -0.81 | - 8.7 | 5.3/18.2  | 50299 |
| 2002 CQ <sub>236</sub> | 2003 09 22.4 | 23 56.10 | -08 25.0 | 18.9 | -0.90 | - 6.7 | 2.7/19.7  | 31971 |
| 2002 KW <sub>2</sub>   | 2003 09 22.4 | 23 56.12 | -00 31.8 | 19.4 | -0.98 | - 6.5 | 0.0/22.4  | 31757 |
| 2002 CE <sub>114</sub> | 2003 09 22.4 | 23 56.12 | -03 27.9 | 18.9 | -1.04 | - 4.6 | 1.2/21.5  | 50592 |
| 2001 FT <sub>72</sub>  | 2003 09 22.4 | 23 56.25 | -07 13.2 | 18.8 | -0.72 | - 4.2 | 1.9/20.2  | 50529 |
| 2002 EP <sub>29</sub>  | 2003 09 22.4 | 23 56.26 | +00 26.8 | 18.4 | -1.01 | - 4.1 | 0.4/22.7  | 50596 |
| 2000 BU                | 2003 09 22.4 | 23 56.31 | -04 30.1 | 19.7 | -0.71 | - 6.2 | 1.1/21.0  | 47846 |
| 2000 XP <sub>2</sub>   | 2003 09 22.4 | 23 56.33 | +03 27.4 | 18.2 | -1.07 | - 3.2 | 1.6/23.6  | 50509 |
| 1999 RQ <sub>7</sub>   | 2003 09 22.4 | 23 56.34 | -02 49.1 | 19.6 | -0.92 | - 4.4 | 0.9/21.7  | 47786 |
| 1978 VR <sub>6</sub>   | 2003 09 22.4 | 23 56.35 | -12 55.6 | 17.3 | -0.95 | - 1.8 | 6.0/18.8  | 50365 |
| 1999 VT <sub>22</sub>  | 2003 09 22.4 | 23 56.38 | +07 41.7 | 16.8 | -0.95 | - 2.6 | 3.0/24.9  | 50434 |
| 1999 JH <sub>111</sub> | 2003 09 22.4 | 23 56.39 | -12 10.7 | 19.3 | -0.94 | - 6.4 | 4.9/18.6  | 41578 |
| 6285 P-L               | 2003 09 22.4 | 23 56.46 | +01 40.5 | 18.2 | -1.04 | - 3.4 | 1.0/23.1  | 50810 |

|                        |              |          |          |      |       |       |           |       |                        |              |          |          |      |       |       |           |       |
|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|------------------------|--------------|----------|----------|------|-------|-------|-----------|-------|
| 1999 TE <sub>12</sub>  | 2003 09 22.4 | 23 56.50 | -14 09.9 | 19.7 | -0.90 | - 3.9 | 4.6/18.0  | 13610 | 2000 CZ <sub>136</sub> | 2003 09 22.8 | 23 57.93 | -10 28.5 | 19.8 | -0.72 | - 5.8 | 3.1/19.3  | 47853 |
| 2001 FZ <sub>105</sub> | 2003 09 22.5 | 23 56.52 | -00 59.1 | 17.6 | -0.91 | - 0.8 | 0.2/22.3  | 50530 | 2000 YO <sub>109</sub> | 2003 09 22.9 | 23 57.88 | +14 00.3 | 17.2 | -0.96 | - 2.7 | 6.6/27.3  | 50514 |
| 2000 AY <sub>233</sub> | 2003 09 22.5 | 23 56.53 | -18 06.9 | 19.3 | -0.89 | - 4.9 | 6.0/16.4  | 2727  | 1999 VN <sub>105</sub> | 2003 09 22.9 | 23 57.88 | -06 02.5 | 19.7 | -0.85 | - 4.2 | 2.1/21.1  | 50437 |
| 2000 US <sub>98</sub>  | 2003 09 22.5 | 23 56.64 | +10 45.2 | 19.0 | -1.00 | - 5.9 | 4.6/26.0  | 50500 | 2000 YM <sub>2</sub>   | 2003 09 22.9 | 23 57.88 | +11 31.6 | 18.7 | -1.00 | - 3.9 | 4.2/26.5  | 11012 |
| 1999 VQ <sub>16</sub>  | 2003 09 22.5 | 23 56.65 | +00 03.5 | 19.3 | -0.89 | - 4.1 | 0.2/22.7  | 31295 | 1999 TC <sub>52</sub>  | 2003 09 22.9 | 23 57.93 | +04 44.0 | 20.1 | -0.84 | - 5.8 | 1.6/24.6  | 47802 |
| 1999 SS <sub>16</sub>  | 2003 09 22.5 | 23 56.66 | +11 53.1 | 18.1 | -0.82 | - 8.4 | 4.1/27.0  | 50422 | 2002 JP <sub>146</sub> | 2003 09 22.9 | 23 57.94 | +01 43.6 | 18.5 | -0.79 | - 8.7 | 0.6/23.6  | 50611 |
| 1995 SW <sub>34</sub>  | 2003 09 22.5 | 23 56.67 | -00 44.0 | 18.5 | -0.85 | - 4.5 | 0.2/22.4  | 50373 | 2002 EW <sub>42</sub>  | 2003 09 22.9 | 23 57.95 | +02 44.1 | 18.7 | -0.90 | - 8.3 | 1.1/23.9  | 31978 |
| 2000 YU <sub>120</sub> | 2003 09 22.5 | 23 56.68 | -12 46.9 | 17.5 | -0.77 | - 7.9 | 3.8/18.1  | 50515 | 2001 FN <sub>134</sub> | 2003 09 22.9 | 23 57.96 | -01 33.0 | 20.1 | -0.75 | - 4.4 | 0.3/22.5  | 35056 |
| 1999 UA <sub>26</sub>  | 2003 09 22.5 | 23 56.69 | -06 34.8 | 18.7 | -1.02 | - 0.9 | 2.3/20.9  | 50432 | 2000 XK <sub>33</sub>  | 2003 09 22.9 | 23 57.96 | -15 45.7 | 18.3 | -1.09 | - 0.9 | 6.0/18.6  | 50510 |
| 2000 WU <sub>176</sub> | 2003 09 22.5 | 23 56.69 | -12 58.1 | 18.9 | -0.95 | - 5.2 | 4.4/18.6  | 50509 | 2001 FB <sub>133</sub> | 2003 09 22.9 | 23 57.98 | -00 57.7 | 20.0 | -0.76 | - 3.6 | 0.2/22.7  | 13346 |
| 1998 VG <sub>41</sub>  | 2003 09 22.5 | 23 56.76 | -02 58.7 | 20.5 | -0.73 | - 4.7 | 0.7/21.7  | 47756 | 2002 JW <sub>22</sub>  | 2003 09 22.9 | 23 57.98 | -00 22.4 | 19.2 | -0.81 | - 6.4 | 0.1/22.9  | 50607 |
| 1998 US <sub>2</sub>   | 2003 09 22.5 | 23 56.80 | -12 47.5 | 19.0 | -0.92 | - 0.8 | 4.4/19.0  | 49659 | 2000 XX <sub>33</sub>  | 2003 09 22.9 | 23 57.99 | -06 47.1 | 17.8 | -1.02 | - 2.3 | 3.0/21.0  | 50510 |
| 2002 GY <sub>100</sub> | 2003 09 22.5 | 23 56.83 | -08 20.6 | 21.0 | -1.08 | - 0.5 | 3.0/20.5  | 48229 | 2000 XQ <sub>35</sub>  | 2003 09 22.9 | 23 58.02 | -23 00.8 | 18.7 | -1.03 | - 1.4 | 7.9/16.0  | 50510 |
| 2001 FH <sub>136</sub> | 2003 09 22.5 | 23 56.85 | -27 24.1 | 18.5 | -0.90 | - 1.9 | 8.9/13.4  | 14425 | 1999 TO <sub>134</sub> | 2003 09 22.9 | 23 58.16 | -00 46.6 | 19.5 | -0.90 | - 4.1 | 0.2/22.8  | 47807 |
| 2001 BY <sub>79</sub>  | 2003 09 22.6 | 23 56.81 | -15 59.4 | 20.0 | -0.78 | - 8.9 | 5.3/16.7  | 48008 | 1999 XO <sub>243</sub> | 2003 09 22.9 | 23 58.22 | +22 16.7 | 19.1 | -0.86 | - 1.3 | 5.4/30.2  | 50448 |
| 2001 FM <sub>128</sub> | 2003 09 22.6 | 23 56.82 | -36 12.0 | 21.1 | -1.07 | - 1.7 | 9.3/09.9  | 13842 | 2000 WO <sub>156</sub> | 2003 09 22.9 | 23 58.28 | +08 55.8 | 18.4 | -1.02 | - 4.2 | 3.6/25.8  | 50508 |
| 1999 VU <sub>160</sub> | 2003 09 22.6 | 23 56.89 | +01 00.9 | 18.9 | -0.86 | - 4.8 | 0.5/23.1  | 11668 | 2000 AC <sub>48</sub>  | 2003 09 23.0 | 23 58.25 | -14 55.4 | 18.2 | -0.72 | - 6.9 | 4.5/17.5  | 50450 |
| 1998 HP <sub>49</sub>  | 2003 09 22.6 | 23 56.93 | +44 32.6 | 17.1 | -0.72 | -11.2 | 22.2/16.0 | 50385 | 1999 UD <sub>9</sub>   | 2003 09 23.0 | 23 58.26 | -10 44.0 | 18.2 | -0.90 | - 3.0 | 3.8/19.8  | 50432 |
| 2002 CJ <sub>112</sub> | 2003 09 22.6 | 23 56.93 | -04 53.6 | 18.9 | -0.95 | - 5.2 | 1.6/21.2  | 50592 | 1999 XO <sub>210</sub> | 2003 09 23.0 | 23 58.30 | -22 27.6 | 17.7 | -0.93 | - 1.4 | 7.3/16.0  | 13639 |
| 1995 BK <sub>13</sub>  | 2003 09 22.6 | 23 57.00 | -02 06.4 | 18.7 | -0.99 | - 5.8 | 0.8/22.1  | 50371 | 2000 QU <sub>35</sub>  | 2003 09 23.0 | 23 58.31 | +31 58.6 | 18.9 | -1.52 | + 5.2 | 16.3/01.0 | 50481 |
| 1999 XT <sub>108</sub> | 2003 09 22.6 | 23 57.01 | -00 59.6 | 17.8 | -0.87 | - 3.6 | 0.3/22.4  | 49760 | 1998 SA <sub>12</sub>  | 2003 09 23.0 | 23 58.39 | +05 20.4 | 19.4 | -0.70 | - 6.4 | 1.5/25.0  | 31829 |
| 2001 FU <sub>44</sub>  | 2003 09 22.6 | 23 57.01 | -05 06.1 | 19.0 | -0.77 | - 2.7 | 1.2/21.1  | 48019 | 1998 XM <sub>18</sub>  | 2003 09 23.0 | 23 58.53 | -01 04.9 | 20.2 | -0.73 | - 4.9 | 0.3/22.8  | 47759 |
| 2002 LO <sub>47</sub>  | 2003 09 22.6 | 23 57.09 | -01 50.2 | 19.3 | -0.77 | - 8.3 | 0.4/22.1  | 34017 | 1998 SE <sub>4</sub>   | 2003 09 23.0 | 23 58.53 | -02 37.7 | 17.2 | -0.91 | - 1.2 | 0.9/22.4  | 50391 |
| 1999 XP <sub>81</sub>  | 2003 09 22.6 | 23 57.10 | -05 20.9 | 19.7 | -0.79 | - 5.5 | 1.5/21.0  | 47831 | 2001 DB <sub>15</sub>  | 2003 09 23.0 | 23 58.56 | +04 33.4 | 18.7 | -0.91 | - 4.4 | 1.6/24.5  | 12294 |
| 2001 HA <sub>20</sub>  | 2003 09 22.6 | 23 57.13 | -23 14.2 | 19.7 | -0.70 | - 6.2 | 5.6/14.0  | 33908 | 2001 DH <sub>95</sub>  | 2003 09 23.0 | 23 58.64 | -09 45.9 | 19.8 | -0.77 | - 8.6 | 2.9/19.6  | 50525 |
| 2001 FU <sub>20</sub>  | 2003 09 22.6 | 23 57.13 | +08 33.4 | 18.9 | -0.71 | - 6.8 | 2.6/25.9  | 50527 | 2002 GD <sub>62</sub>  | 2003 09 23.0 | 23 58.65 | -03 39.9 | 16.8 | -0.76 | - 8.8 | 1.7/21.8  | 50053 |
| 2000 VZ <sub>29</sub>  | 2003 09 22.7 | 23 57.16 | -44 04.7 | 18.4 | -1.29 | - 0.6 | 15.5/06.0 | 33885 | 2002 EM <sub>66</sub>  | 2003 09 23.0 | 23 58.66 | +00 40.9 | 19.9 | -0.94 | - 5.9 | 0.3/23.4  | 31979 |
| 1998 SA <sub>146</sub> | 2003 09 22.7 | 23 57.21 | +05 32.8 | 19.4 | -0.70 | - 6.9 | 1.7/24.8  | 50395 | 2002 EA <sub>71</sub>  | 2003 09 23.1 | 23 58.63 | +01 54.7 | 19.6 | -0.92 | - 5.7 | 0.8/23.8  | 30014 |
| 2001 CH <sub>8</sub>   | 2003 09 22.7 | 23 57.24 | -05 54.1 | 18.7 | -0.93 | - 5.6 | 2.1/20.9  | 50521 | 1999 TP <sub>276</sub> | 2003 09 23.1 | 23 58.69 | -01 23.5 | 19.2 | -0.94 | - 3.3 | 0.4/22.7  | 29150 |
| 2002 EP <sub>64</sub>  | 2003 09 22.7 | 23 57.38 | +02 05.8 | 19.6 | -0.83 | - 8.4 | 0.9/23.6  | 31978 | 1999 TB <sub>138</sub> | 2003 09 23.1 | 23 58.80 | -00 32.8 | 19.4 | -0.88 | - 4.2 | 0.1/23.0  | 2126  |
| 2001 FB <sub>171</sub> | 2003 09 22.7 | 23 57.40 | +07 19.2 | 18.5 | -0.70 | - 6.4 | 2.2/25.5  | 50532 | 2000 CN <sub>22</sub>  | 2003 09 23.1 | 23 58.87 | +15 04.3 | 17.7 | -0.84 | - 2.4 | 5.5/28.0  | 50457 |
| 2001 BT <sub>78</sub>  | 2003 09 22.7 | 23 57.41 | +37 19.7 | 17.6 | -0.94 | - 3.9 | 13.4/08.2 | 50520 | 1998 FW <sub>24</sub>  | 2003 09 23.1 | 23 58.87 | +02 07.7 | 21.2 | -0.90 | - 7.5 | 0.7/23.9  | 16795 |
| 2002 GW <sub>96</sub>  | 2003 09 22.7 | 23 57.52 | +05 21.3 | 19.3 | -0.89 | - 5.2 | 2.1/24.6  | 31569 | 2000 YA <sub>101</sub> | 2003 09 23.1 | 23 58.90 | -10 49.8 | 19.7 | -0.77 | -14.2 | 3.1/18.9  | 16090 |
| 2002 GE <sub>75</sub>  | 2003 09 22.7 | 23 57.57 | +05 03.6 | 19.0 | -0.88 | - 8.2 | 2.0/24.6  | 48228 | 1995 UB <sub>32</sub>  | 2003 09 23.1 | 23 58.92 | -07 02.8 | 18.8 | -0.79 | - 5.8 | 3.0/20.8  | 50373 |
| 1993 UU <sub>8</sub>   | 2003 09 22.8 | 23 57.52 | -18 07.4 | 18.5 | -0.81 | - 3.4 | 5.7/16.9  | 50369 | 2001 FX <sub>91</sub>  | 2003 09 23.1 | 23 58.95 | -10 24.5 | 19.5 | -0.93 | - 1.9 | 3.3/20.2  | 50530 |
| 2001 FY <sub>125</sub> | 2003 09 22.8 | 23 57.53 | -12 48.9 | 19.8 | -0.89 | - 1.2 | 3.6/19.1  | 13340 | 2001 BE <sub>32</sub>  | 2003 09 23.1 | 23 58.96 | +05 55.3 | 18.4 | -0.96 | - 3.2 | 2.7/25.0  | 49889 |
| 1998 SL <sub>91</sub>  | 2003 09 22.8 | 23 57.53 | +05 07.2 | 18.6 | -0.88 | - 2.0 | 1.7/24.4  | 50393 | 2000 AJ <sub>167</sub> | 2003 09 23.1 | 23 58.96 | +14 09.8 | 18.7 | -0.70 | - 5.7 | 3.9/28.4  | 50454 |
| 1999 TR <sub>99</sub>  | 2003 09 22.8 | 23 57.55 | +00 56.5 | 18.1 | -0.73 | -13.8 | 0.4/23.3  | 50425 | 2002 EN <sub>20</sub>  | 2003 09 23.1 | 23 58.98 | -04 53.8 | 19.5 | -0.88 | - 8.5 | 1.8/21.5  | 50596 |
| 1999 UE <sub>52</sub>  | 2003 09 22.8 | 23 57.57 | +00 48.6 | 19.0 | -0.76 | -10.0 | 0.4/23.2  | 50433 | 2000 EK <sub>80</sub>  | 2003 09 23.2 | 23 58.96 | -03 44.4 | 18.7 | -0.76 | - 3.5 | 1.1/22.0  | 50465 |
| 2002 JJ <sub>73</sub>  | 2003 09 22.8 | 23 57.60 | -27 39.1 | 18.9 | -0.87 | - 3.7 | 9.8/13.1  | 50610 | 1999 VK <sub>64</sub>  | 2003 09 23.2 | 23 58.96 | -16 48.0 | 19.2 | -0.92 | - 2.3 | 5.9/18.1  | 50435 |
| 1999 TX <sub>67</sub>  | 2003 09 22.8 | 23 57.61 | -07 38.3 | 20.1 | -0.84 | - 4.5 | 2.5/20.4  | 7506  | 1998 XD <sub>78</sub>  | 2003 09 23.2 | 23 58.96 | -18 27.8 | 19.1 | -0.75 | - 6.8 | 5.4/16.2  | 5510  |
| 1979 ME <sub>6</sub>   | 2003 09 22.8 | 23 57.67 | +12 56.9 | 19.5 | -0.96 | - 6.8 | 5.4/27.4  | 50365 | 1998 FR <sub>118</sub> | 2003 09 23.2 | 23 59.00 | +04 35.2 | 18.8 | -0.94 | - 5.4 | 1.6/24.7  | 33766 |
| 2000 OX <sub>56</sub>  | 2003 09 22.8 | 23 57.72 | +25 57.3 | 19.7 | -1.49 | + 2.6 | 12.4/29.4 | 50479 | 1997 CL <sub>5</sub>   | 2003 09 23.2 | 23 59.01 | -03 10.2 | 20.5 | -0.80 | - 5.6 | 0.8/22.2  | 47709 |
| 2000 WY <sub>113</sub> | 2003 09 22.8 | 23 57.75 | -11 51.1 | 18.4 | -1.01 | - 2.5 | 5.6/19.4  | 49850 | 2001 BA <sub>60</sub>  | 2003 09 23.2 | 23 59.03 | -04 35.3 | 19.5 | -0.76 | - 6.7 | 1.2/21.6  | 13807 |
| 1999 RW <sub>235</sub> | 2003 09 22.8 | 23 57.76 | -18 22.1 | 18.5 | -0.83 | - 5.5 | 7.6/16.6  | 50421 | 2003 NL <sub>3</sub>   | 2003 09 23.2 | 23 59.07 | +38 20.5 | 17.7 | -1.05 | - 6.0 | 17.5/10.7 | 50239 |
| 1999 XE <sub>45</sub>  | 2003 09 22.8 | 23 57.80 | -10 28.3 | 19.4 | -0.85 | - 4.1 | 3.7/19.6  | 50442 | 1999 VJ <sub>94</sub>  | 2003 09 23.2 | 23 59.15 | -02 53.9 | 18.7 | -0.87 | - 4.8 | 1.0/22.3  | 50436 |
| 1999 WM <sub>9</sub>   | 2003 09 22.8 | 23 57.82 | +04 16.7 | 19.1 | -0.77 | - 7.2 | 1.5/24.5  | 50440 | 1999 TW <sub>7</sub>   | 2003 09 23.2 | 23 59.17 | -05 53.3 | 18.0 | -0.55 | -17.2 | 2.6/20.7  | 49698 |
| 2001 BK <sub>4</sub>   | 2003 09 22.8 | 23 57.83 | +05 23.2 | 16.5 | -1.27 | + 6.1 | 2.8/23.9  | 49886 | 1998 QT <sub>32</sub>  | 2003 09 23.2 | 23 59.22 | +01 24.6 | 17.5 | -0.79 | - 5.4 | 0.5/23.8  | 50388 |
| 1999 XA <sub>213</sub> | 2003 09 22.8 | 23 57.86 | -05 48.6 | 18.6 | -0.77 | - 8.2 | 1.9/20.9  | 50447 | 2002 JX <sub>111</sub> | 2003 09 23.2 | 23 59.24 | +18 47.7 | 18.5 | -0.83 | - 6.5 | 6.0/30.2  | 32031 |
| 1998 HK <sub>96</sub>  | 2003 09 22.8 | 23 57.90 | -00 36.2 | 19.9 | -0.84 | - 7.5 | 0.1/22.8  | 30269 | 2000 AX <sub>236</sub> | 2003 09 23.2 | 23 59.38 | +04 34.5 | 20.1 | -0.74 | - 4.0 | 1.3/24.8  | 7520  |
| 2001 DO <sub>8</sub>   | 2003 09 22.8 | 23 57.91 | -13 46.6 | 18.3 | -0.71 | - 6.8 | 3.9/18.0  | 50523 | 1999 VR <sub>159</sub> | 2003 09 23.2 | 23 59.41 | -12 56.7 | 18.7 | -1.03 | - 0.8 | 4.7/19.7  | 50438 |



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M.P.C. 49721

|                        |              |                   |                  |           |       |
|------------------------|--------------|-------------------|------------------|-----------|-------|
| 1999 XH <sub>44</sub>  | 2003 09 23.3 | 23 59.31 +15 39.0 | 19.1 -0.84 - 5.8 | 4.9/28.7  | 38139 |
| 2002 JS <sub>123</sub> | 2003 09 23.3 | 23 59.31 -13 10.6 | 18.5 -0.90 - 7.0 | 5.0/18.8  | 50611 |
| 2000 WG <sub>167</sub> | 2003 09 23.3 | 23 59.32 -08 57.8 | 19.0 -0.94 - 6.4 | 3.2/20.4  | 50508 |
| 2002 HE <sub>4</sub>   | 2003 09 23.3 | 23 59.34 -09 18.8 | 19.3 -0.94 - 6.8 | 3.3/20.3  | 32011 |
| 1999 VW <sub>83</sub>  | 2003 09 23.3 | 23 59.47 +02 58.3 | 18.7 -0.84 - 5.6 | 1.1/24.3  | 50436 |
| 1999 VY <sub>113</sub> | 2003 09 23.3 | 23 59.50 +21 03.1 | 18.7 -0.80 - 7.1 | 8.4/01.3  | 50437 |
| 2000 YX <sub>21</sub>  | 2003 09 23.3 | 23 59.51 -26 11.9 | 18.1 -0.89 - 4.6 | 8.6/14.1  | 50511 |
| 2001 GD                | 2003 09 23.3 | 23 59.52 +27 00.6 | 18.5 -0.76 - 5.0 | 7.2/03.9  | 50532 |
| 1996 RN <sub>17</sub>  | 2003 09 23.3 | 23 59.52 +00 12.0 | 18.7 -1.04 - 3.4 | 0.1/23.4  | 50376 |
| 2001 CS <sub>7</sub>   | 2003 09 23.3 | 23 59.56 +08 56.2 | 17.7 -1.08 + 1.2 | 3.8/25.6  | 50521 |
| 2001 BF <sub>40</sub>  | 2003 09 23.3 | 23 59.56 -05 47.7 | 20.6 -1.03 - 4.4 | 2.2/21.6  | 19918 |
| 2002 CM <sub>108</sub> | 2003 09 23.3 | 23 59.57 +06 24.1 | 17.5 -1.90 +13.2 | 3.7/23.9  | 49989 |
| 2002 GZ <sub>17</sub>  | 2003 09 23.3 | 23 59.58 -04 58.3 | 18.8 -0.90 - 4.8 | 1.7/21.8  | 31992 |
| 2001 FQ                | 2003 09 23.3 | 23 59.65 -19 05.5 | 19.6 -0.88 - 6.1 | 6.4/16.6  | 50526 |
| 2000 VX <sub>57</sub>  | 2003 09 23.3 | 23 59.71 -07 56.0 | 18.5 -1.05 - 4.0 | 3.2/21.0  | 50503 |
| 1998 SS <sub>141</sub> | 2003 09 23.3 | 23 59.72 +00 09.7 | 19.6 -0.69 - 7.8 | 0.1/23.5  | 50395 |
| 2002 JD <sub>50</sub>  | 2003 09 23.4 | 00 00.04 +05 05.0 | 19.7 -0.98 - 5.6 | 1.9/25.1  | 48234 |
| 2001 BQ <sub>2</sub>   | 2003 09 23.4 | 00 00.09 -02 41.6 | 18.2 -1.06 + 0.3 | 0.8/22.8  | 49886 |
| 1998 UD <sub>28</sub>  | 2003 09 23.4 | 00 00.13 -35 55.5 | 18.8 -1.23 + 4.3 | 12.2/13.7 | 34594 |
| 2000 CL <sub>14</sub>  | 2003 09 23.4 | 23 59.75 +11 04.3 | 18.9 -0.75 - 4.5 | 3.3/27.2  | 50457 |
| 2001 CV <sub>10</sub>  | 2003 09 23.4 | 23 59.86 +26 02.3 | 17.4 -0.98 - 1.3 | 7.3/02.2  | 49897 |
| 2000 VX <sub>28</sub>  | 2003 09 23.4 | 23 59.89 +02 39.0 | 18.5 -0.90 - 8.1 | 1.0/24.4  | 50502 |
| 2000 BV <sub>33</sub>  | 2003 09 23.4 | 23 59.98 -04 26.4 | 20.1 -0.73 - 4.9 | 1.2/22.0  | 47847 |
| 2000 YG <sub>60</sub>  | 2003 09 23.4 | 23 59.99 +06 47.4 | 20.2 -0.87 - 5.4 | 2.1/25.7  | 47999 |
| 1996 RB <sub>16</sub>  | 2003 09 23.4 | 23 59.99 +00 11.9 | 18.8 -0.93 - 7.7 | 0.1/23.5  | 30251 |
| 2002 GJ <sub>34</sub>  | 2003 09 23.5 | 00 00.04 -10 35.3 | 19.8 -1.03 - 4.2 | 4.0/20.3  | 50602 |
| 2002 GD <sub>68</sub>  | 2003 09 23.5 | 00 00.07 -05 05.3 | 18.5 -0.75 - 9.2 | 1.6/21.6  | 50603 |
| 1999 RV <sub>65</sub>  | 2003 09 23.5 | 00 00.12 +01 31.3 | 18.9 -0.80 - 9.1 | 0.6/24.1  | 30307 |
| 2849 P-L               | 2003 09 23.5 | 00 00.14 -00 03.3 | 18.8 -0.85 - 4.1 | 0.0/23.5  | 50809 |
| 2002 CT <sub>43</sub>  | 2003 09 23.5 | 00 00.15 +17 07.3 | 17.7 -1.65 + 6.3 | 8.7/26.5  | 49979 |
| 1994 CA <sub>18</sub>  | 2003 09 23.5 | 00 00.17 -06 00.8 | 19.8 -0.92 - 5.7 | 2.1/21.6  | 31804 |
| 2002 HO <sub>17</sub>  | 2003 09 23.5 | 00 00.17 -39 22.8 | 20.2 -1.15 - 0.2 | 13.1/10.5 | 35576 |
| 1999 VV <sub>113</sub> | 2003 09 23.5 | 00 00.20 +18 57.6 | 18.8 -0.82 - 5.8 | 6.5/30.4  | 33839 |
| 2001 FA <sub>64</sub>  | 2003 09 23.5 | 00 00.27 -05 19.4 | 18.5 -0.80 -10.2 | 1.8/21.6  | 13833 |
| 1997 ET <sub>2</sub>   | 2003 09 23.5 | 00 00.28 -04 59.2 | 18.2 -0.76 - 8.8 | 1.5/21.7  | 50377 |
| 1998 VR <sub>55</sub>  | 2003 09 23.5 | 00 00.34 -14 52.1 | 19.8 -0.85 - 2.2 | 4.5/18.9  | 47756 |
| 1999 TS <sub>139</sub> | 2003 09 23.5 | 00 00.35 +02 59.6 | 19.5 -0.85 - 5.8 | 1.0/24.6  | 47807 |
| 2002 CS <sub>10</sub>  | 2003 09 23.5 | 00 00.42 -40 08.7 | 18.2 -1.66 + 5.4 | 18.9/12.3 | 30636 |
| 1999 XT <sub>81</sub>  | 2003 09 23.5 | 00 00.43 -04 59.3 | 19.4 -0.79 - 5.4 | 1.6/21.9  | 50443 |
| 1999 UK <sub>44</sub>  | 2003 09 23.6 | 00 00.40 -14 52.9 | 18.5 -1.01 + 0.1 | 6.0/19.5  | 50433 |
| 2000 DA <sub>18</sub>  | 2003 09 23.6 | 00 00.46 -01 33.5 | 19.8 -0.73 - 4.7 | 0.4/23.1  | 33865 |
| 1999 RM <sub>142</sub> | 2003 09 23.6 | 00 00.56 -05 59.8 | 18.6 -0.84 - 6.3 | 2.4/21.6  | 50418 |
| 1997 GF <sub>9</sub>   | 2003 09 23.6 | 00 00.61 +08 24.2 | 18.7 -0.77 - 9.4 | 2.7/26.7  | 50378 |
| 2003 NW <sub>2</sub>   | 2003 09 23.6 | 00 00.63 -18 35.1 | 17.5 -0.68 - 3.1 | 5.3/17.1  | 50238 |
| 2002 HJ <sub>16</sub>  | 2003 09 23.6 | 00 00.67 -06 10.7 | 18.4 -0.95 - 3.0 | 2.9/21.8  | 50073 |
| 2001 BG <sub>31</sub>  | 2003 09 23.6 | 00 00.69 +03 04.9 | 20.2 -0.83 - 5.5 | 0.9/24.7  | 48006 |
| 2001 AH <sub>19</sub>  | 2003 09 23.6 | 00 00.74 -06 59.6 | 19.0 -0.84 - 5.4 | 2.4/21.3  | 31386 |
| 1999 VF <sub>88</sub>  | 2003 09 23.6 | 00 00.76 +03 34.5 | 18.5 -0.78 - 6.9 | 1.5/24.9  | 33136 |
| 2001 CL <sub>16</sub>  | 2003 09 23.6 | 00 00.78 -05 57.6 | 19.0 -0.95 - 6.0 | 2.6/21.7  | 48008 |
| 2002 CO <sub>186</sub> | 2003 09 23.6 | 00 00.81 +01 48.4 | 18.5 -1.00 - 5.9 | 0.8/24.2  | 50001 |
| 1999 TA <sub>189</sub> | 2003 09 23.6 | 00 00.82 +23 28.0 | 19.3 -0.86 - 6.3 | 7.7/02.5  | 50428 |

|                        |              |                   |                  |           |       |
|------------------------|--------------|-------------------|------------------|-----------|-------|
| 2000 WF <sub>116</sub> | 2003 09 23.6 | 00 00.82 -01 45.9 | 19.1 -0.92 - 5.1 | 0.6/23.1  | 30429 |
| 1994 BT <sub>4</sub>   | 2003 09 23.6 | 00 00.83 -05 10.8 | 20.8 -0.95 - 6.1 | 2.0/22.0  | 47690 |
| 2001 AU <sub>31</sub>  | 2003 09 23.7 | 00 00.75 +02 52.2 | 18.7 -1.01 - 3.6 | 1.2/24.5  | 9600  |
| 2000 RQ <sub>51</sub>  | 2003 09 23.7 | 00 00.78 +06 25.7 | 17.7 -0.92 - 8.5 | 2.4/25.9  | 50486 |
| 1998 KJ <sub>40</sub>  | 2003 09 23.7 | 00 00.84 -27 47.6 | 18.5 -0.95 - 2.6 | 9.7/14.5  | 31817 |
| 1995 CQ <sub>6</sub>   | 2003 09 23.7 | 00 00.85 +01 47.3 | 20.7 -0.73 - 5.1 | 0.5/24.3  | 47695 |
| 2002 GF <sub>65</sub>  | 2003 09 23.7 | 00 00.86 -02 27.8 | 19.3 -1.03 - 2.8 | 1.1/23.0  | 50603 |
| 1999 UY <sub>29</sub>  | 2003 09 23.7 | 00 00.86 -02 41.1 | 20.1 -0.87 - 5.4 | 1.0/22.8  | 47816 |
| 2002 KE                | 2003 09 23.7 | 00 00.90 -17 58.0 | 18.1 -0.78 - 8.0 | 6.3/17.1  | 50611 |
| 1997 CF <sub>16</sub>  | 2003 09 23.7 | 00 00.98 -09 27.5 | 18.8 -0.74 - 9.7 | 3.8/20.1  | 49645 |
| 2002 GE <sub>43</sub>  | 2003 09 23.7 | 00 01.01 +07 55.1 | 19.6 -0.97 - 7.3 | 3.2/26.4  | 48227 |
| 2002 EM <sub>30</sub>  | 2003 09 23.7 | 00 01.05 -04 32.3 | 18.2 -1.04 - 2.5 | 2.0/22.5  | 50019 |
| 1995 WN <sub>19</sub>  | 2003 09 23.7 | 00 01.06 -24 41.5 | 19.5 -0.94 - 2.4 | 8.3/16.0  | 31806 |
| 2001 CA <sub>8</sub>   | 2003 09 23.7 | 00 01.10 -01 24.0 | 20.0 -0.92 - 4.1 | 0.5/23.3  | 48008 |
| 1998 HW <sub>43</sub>  | 2003 09 23.7 | 00 01.11 -14 17.5 | 19.0 -1.07 - 0.5 | 5.4/19.9  | 50385 |
| 2001 BQ <sub>22</sub>  | 2003 09 23.7 | 00 01.16 +10 57.2 | 18.1 -0.96 - 3.2 | 4.9/27.1  | 49888 |
| 2000 YL <sub>13</sub>  | 2003 09 23.7 | 00 01.18 -05 43.0 | 19.2 -0.97 - 4.8 | 2.7/22.0  | 8342  |
| 2002 GH <sub>13</sub>  | 2003 09 23.8 | 00 01.13 +00 55.1 | 20.2 -0.93 - 7.9 | 0.3/24.1  | 30136 |
| 1999 DW <sub>3</sub>   | 2003 09 23.8 | 00 01.16 +05 12.1 | 19.6 -1.01 - 6.2 | 2.5/26.0  | 5519  |
| 2000 AP <sub>94</sub>  | 2003 09 23.8 | 00 01.28 +12 17.6 | 18.0 -0.83 - 3.1 | 3.7/27.7  | 50452 |
| 1999 TO <sub>103</sub> | 2003 09 23.8 | 00 01.28 +03 01.9 | 19.1 -0.97 - 2.3 | 1.1/24.7  | 50425 |
| 2002 HG <sub>7</sub>   | 2003 09 23.8 | 00 01.29 +03 35.7 | 20.2 -0.77 -10.5 | 1.1/25.1  | 48232 |
| 2000 YV <sub>2</sub>   | 2003 09 23.8 | 00 01.35 -11 39.8 | 19.1 -0.96 - 4.2 | 4.2/20.2  | 31367 |
| 1999 VR <sub>31</sub>  | 2003 09 23.8 | 00 01.39 +11 03.1 | 19.8 -0.78 - 6.5 | 3.3/27.7  | 47819 |
| 2002 NZ <sub>47</sub>  | 2003 09 23.8 | 00 01.39 -10 21.1 | 18.5 -0.60 - 5.2 | 2.6/20.0  | 50614 |
| 1999 XO <sub>176</sub> | 2003 09 23.8 | 00 01.43 -01 15.5 | 17.8 -0.78 - 2.8 | 0.4/23.4  | 50446 |
| 1999 VT <sub>99</sub>  | 2003 09 23.8 | 00 01.44 -07 38.7 | 19.3 -0.89 - 3.6 | 2.9/21.5  | 50437 |
| 2001 FL <sub>166</sub> | 2003 09 23.8 | 00 01.52 +02 31.3 | 20.0 -0.74 - 5.0 | 0.7/24.7  | 48026 |
| 1999 XC <sub>110</sub> | 2003 09 23.9 | 00 01.50 -08 49.5 | 19.4 -0.82 - 5.2 | 2.9/20.9  | 11711 |
| 2002 GY <sub>89</sub>  | 2003 09 23.9 | 00 01.51 -03 35.8 | 18.8 -0.99 - 2.1 | 1.7/22.8  | 50604 |
| 5174 T-2               | 2003 09 23.9 | 00 01.51 +10 50.4 | 17.9 -1.13 + 2.2 | 4.6/26.5  | 50327 |
| 2001 DW <sub>38</sub>  | 2003 09 23.9 | 00 01.53 -13 09.0 | 20.1 -0.79 - 8.5 | 4.2/19.0  | 50524 |
| 1999 RZ <sub>37</sub>  | 2003 09 23.9 | 00 01.55 +00 47.9 | 18.2 -0.82 - 8.5 | 0.2/24.1  | 50415 |
| 2002 JJ <sub>142</sub> | 2003 09 23.9 | 00 01.59 -20 11.6 | 19.3 -0.89 - 3.8 | 6.8/17.4  | 48237 |
| 2002 EU <sub>10</sub>  | 2003 09 23.9 | 00 01.66 +14 08.5 | 17.9 -0.88 -19.9 | 5.8/29.8  | 50015 |
| 2002 KY <sub>13</sub>  | 2003 09 23.9 | 00 01.70 +01 34.8 | 19.4 -0.71 - 6.4 | 0.4/24.4  | 48238 |
| 2003 OZ <sub>22</sub>  | 2003 09 23.9 | 00 01.78 +05 09.4 | 18.0 -0.99 - 2.9 | 2.3/25.4  | 50267 |
| 2000 WH <sub>115</sub> | 2003 09 23.9 | 00 01.82 -12 34.7 | 18.0 -1.01 - 2.1 | 6.0/20.3  | 50507 |
| 1998 SD <sub>37</sub>  | 2003 09 23.9 | 00 01.89 -05 38.4 | 20.3 -0.85 - 2.2 | 1.8/22.2  | 47744 |
| 2000 WV <sub>6</sub>   | 2003 09 24.0 | 00 01.86 +07 17.7 | 18.2 -1.06 - 3.5 | 3.1/26.0  | 50503 |
| 2000 DO <sub>102</sub> | 2003 09 24.0 | 00 01.88 -07 36.7 | 18.0 -0.77 - 3.8 | 2.5/21.4  | 50463 |
| 2001 FU <sub>43</sub>  | 2003 09 24.0 | 00 01.90 +03 27.0 | 19.7 -0.78 - 9.0 | 1.0/25.2  | 17578 |
| 2000 LV <sub>31</sub>  | 2003 09 24.0 | 00 01.92 +37 55.6 | 17.8 -1.23 - 2.4 | 17.2/09.0 | 50478 |
| 2000 TT <sub>67</sub>  | 2003 09 24.0 | 00 01.99 +01 52.3 | 18.8 -1.00 - 6.1 | 0.6/24.6  | 50498 |
| 2002 JG <sub>77</sub>  | 2003 09 24.0 | 00 01.99 +02 17.0 | 19.0 -1.00 - 5.5 | 0.8/24.7  | 30216 |
| 1999 XX <sub>122</sub> | 2003 09 24.0 | 00 02.02 +04 38.6 | 19.0 -0.89 - 3.6 | 1.6/25.4  | 27655 |
| 2002 JO <sub>117</sub> | 2003 09 24.0 | 00 02.05 -14 07.2 | 18.5 -0.72 - 6.9 | 4.3/18.9  | 34005 |
| 1998 SJ <sub>76</sub>  | 2003 09 24.0 | 00 02.07 +09 49.6 | 18.2 -0.65 - 8.1 | 4.0/27.7  | 49655 |
| 2001 FW <sub>82</sub>  | 2003 09 24.0 | 00 02.08 +07 33.2 | 19.0 -0.79 - 3.2 | 2.1/26.4  | 13324 |
| 2000 EF <sub>18</sub>  | 2003 09 24.0 | 00 02.13 -21 25.7 | 18.9 -0.73 - 6.3 | 7.1/15.7  | 50463 |
| 2001 FL <sub>150</sub> | 2003 09 24.0 | 00 02.19 +13 31.4 | 20.7 -0.68 - 7.3 | 3.4/29.1  | 48025 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1997 EE <sub>9</sub>   | 2003 09 24.0 | 00 02.21 -01 38.0 18.7 | -1.02 - 0.1 | 0.7/23.6  | 49646 |
| 2147 T-2               | 2003 09 24.0 | 00 02.21 -03 23.7 18.7 | -0.90 - 1.7 | 1.2/23.0  | 50811 |
| 2001 AN <sub>53</sub>  | 2003 09 24.1 | 00 02.19 -10 24.9 20.0 | -0.80 - 5.3 | 3.4/20.5  | 50518 |
| 2000 WN <sub>76</sub>  | 2003 09 24.1 | 00 02.23 -04 39.7 19.4 | -1.03 - 4.4 | 2.1/22.6  | 31356 |
| 1999 TM <sub>2</sub>   | 2003 09 24.1 | 00 02.27 -21 17.7 18.2 | -0.88 - 6.0 | 8.0/16.2  | 50422 |
| 1999 TF <sub>164</sub> | 2003 09 24.1 | 00 02.28 +01 50.3 18.3 | -0.71 -11.6 | 0.6/24.7  | 50427 |
| 2000 YD <sub>85</sub>  | 2003 09 24.1 | 00 02.29 +20 51.5 19.3 | -0.87 - 5.9 | 6.1/01.7  | 50514 |
| 1999 TN <sub>30</sub>  | 2003 09 24.1 | 00 02.34 +04 57.6 18.1 | -0.71 - 9.4 | 2.2/26.0  | 50423 |
| 2002 FR <sub>15</sub>  | 2003 09 24.1 | 00 02.36 -12 00.2 19.3 | -0.91 - 6.7 | 5.1/20.0  | 50600 |
| 2001 ER <sub>23</sub>  | 2003 09 24.1 | 00 02.44 +01 30.5 19.9 | -0.70 - 5.5 | 0.3/24.6  | 48016 |
| 2000 AX <sub>160</sub> | 2003 09 24.1 | 00 02.46 +05 20.7 17.9 | -0.90 - 2.1 | 2.1/25.7  | 49781 |
| 2002 JN <sub>34</sub>  | 2003 09 24.1 | 00 02.49 -03 31.4 20.3 | -0.91 - 7.0 | 1.4/22.9  | 48233 |
| 2002 JN <sub>18</sub>  | 2003 09 24.1 | 00 02.54 -17 10.4 20.2 | -0.93 - 4.3 | 5.8/18.6  | 31632 |
| 1999 RQ <sub>212</sub> | 2003 09 24.1 | 00 02.58 +15 36.4 18.6 | -0.96 - 2.9 | 4.9/29.0  | 50421 |
| 1999 RN <sub>209</sub> | 2003 09 24.1 | 00 02.59 +19 11.4 18.9 | -0.85 - 6.6 | 6.5/31.0  | 12158 |
| 1998 HP <sub>79</sub>  | 2003 09 24.1 | 00 02.62 +02 56.6 18.7 | -0.91 - 4.5 | 1.0/25.0  | 50385 |
| 2002 CG <sub>112</sub> | 2003 09 24.2 | 00 02.58 -01 40.3 19.2 | -0.88 - 7.1 | 0.6/23.6  | 31968 |
| 1999 NY                | 2003 09 24.2 | 00 02.59 -04 39.9 18.8 | -0.85 - 5.1 | 2.3/22.6  | 50412 |
| 1999 VF <sub>161</sub> | 2003 09 24.2 | 00 02.62 +01 18.2 19.8 | -0.84 - 4.9 | 0.4/24.5  | 50438 |
| 2001 DK <sub>73</sub>  | 2003 09 24.2 | 00 02.64 +02 20.5 19.4 | -0.84 - 4.1 | 0.7/24.9  | 50525 |
| 2001 BZ <sub>56</sub>  | 2003 09 24.2 | 00 02.70 -19 48.3 20.0 | -0.80 - 7.6 | 6.6/16.7  | 31392 |
| 2002 GE <sub>12</sub>  | 2003 09 24.2 | 00 02.71 -13 23.8 21.6 | -0.98 - 2.4 | 4.2/20.3  | 30736 |
| 2000 CW <sub>69</sub>  | 2003 09 24.2 | 00 02.75 -01 00.8 20.2 | -0.71 - 4.8 | 0.3/23.8  | 4555  |
| 2001 CM <sub>9</sub>   | 2003 09 24.2 | 00 02.78 -11 58.0 19.9 | -0.86 - 6.9 | 3.9/20.0  | 12285 |
| 2000 YP <sub>107</sub> | 2003 09 24.2 | 00 02.80 -03 18.2 19.4 | -0.95 - 5.6 | 1.3/23.1  | 9544  |
| 2000 YG <sub>16</sub>  | 2003 09 24.2 | 00 02.90 -01 07.5 18.3 | -0.90 - 6.8 | 0.5/23.8  | 50511 |
| 2001 AE <sub>38</sub>  | 2003 09 24.2 | 00 02.92 -27 10.8 17.2 | -0.93 - 3.7 | 9.5/14.6  | 50517 |
| 2000 YK <sub>104</sub> | 2003 09 24.2 | 00 02.96 -06 44.7 18.7 | -0.88 - 5.3 | 2.2/22.0  | 13801 |
| 2002 EN <sub>22</sub>  | 2003 09 24.2 | 00 02.99 -08 50.5 20.0 | -0.95 - 6.8 | 3.3/21.3  | 48216 |
| 1997 GN <sub>18</sub>  | 2003 09 24.3 | 00 02.90 -04 08.9 19.0 | -0.85 - 4.8 | 1.5/22.9  | 10840 |
| 2000 WV <sub>143</sub> | 2003 09 24.3 | 00 02.94 -02 14.8 18.6 | -0.97 - 5.2 | 1.0/23.5  | 49852 |
| 2002 EA <sub>20</sub>  | 2003 09 24.3 | 00 02.97 -01 43.5 20.2 | -0.93 - 7.0 | 0.7/23.6  | 30704 |
| 2000 AN <sub>206</sub> | 2003 09 24.3 | 00 02.99 +01 55.1 18.9 | -0.77 - 5.0 | 0.5/24.9  | 50455 |
| 2001 FS <sub>46</sub>  | 2003 09 24.3 | 00 03.01 +03 44.8 19.1 | -0.68 - 7.1 | 0.9/25.6  | 50528 |
| 2000 YB <sub>109</sub> | 2003 09 24.3 | 00 03.01 -11 42.6 17.9 | -0.88 - 5.5 | 5.6/20.3  | 50514 |
| 2000 AO <sub>28</sub>  | 2003 09 24.3 | 00 03.02 -05 57.7 19.7 | -0.76 - 4.8 | 1.8/22.2  | 47839 |
| 2000 WN <sub>116</sub> | 2003 09 24.3 | 00 03.04 -05 06.6 20.1 | -1.01 - 4.1 | 2.3/22.7  | 49850 |
| 2000 WS <sub>9</sub>   | 2003 09 24.3 | 00 03.05 -10 19.6 18.6 | -0.94 - 6.5 | 4.0/20.8  | 50503 |
| 1997 ES <sub>4</sub>   | 2003 09 24.3 | 00 03.14 -00 06.0 19.7 | -0.88 - 4.1 | 0.1/24.2  | 47709 |
| 2000 XO <sub>29</sub>  | 2003 09 24.3 | 00 03.17 -09 45.4 17.0 | -1.12 + 1.4 | 4.9/21.9  | 50510 |
| 2000 BN <sub>20</sub>  | 2003 09 24.3 | 00 03.27 -03 39.2 20.8 | -0.74 - 5.5 | 1.2/23.0  | 8200  |
| 2000 WW <sub>135</sub> | 2003 09 24.3 | 00 03.29 -12 09.9 18.6 | -0.95 - 6.7 | 5.4/20.2  | 49852 |
| 2002 JY <sub>65</sub>  | 2003 09 24.3 | 00 03.33 -03 37.9 20.4 | -0.91 - 5.9 | 1.4/23.1  | 34000 |
| 1998 ML <sub>15</sub>  | 2003 09 24.3 | 00 03.34 -07 43.4 19.3 | -0.89 - 5.2 | 2.9/21.8  | 50387 |
| 1993 TS <sub>22</sub>  | 2003 09 24.3 | 00 03.34 -09 35.6 18.7 | -0.88 - 2.2 | 3.2/21.4  | 50369 |
| 1998 SL <sub>22</sub>  | 2003 09 24.4 | 00 03.31 +01 51.5 18.5 | -0.78 - 5.2 | 0.5/24.9  | 50392 |
| 2002 JE <sub>25</sub>  | 2003 09 24.4 | 00 03.36 +01 16.6 18.3 | -0.92 - 8.5 | 0.3/24.7  | 32017 |
| 2001 DR <sub>75</sub>  | 2003 09 24.4 | 00 03.43 -09 15.0 19.3 | -0.80 - 7.6 | 3.6/21.0  | 50525 |
| 2000 QD <sub>182</sub> | 2003 09 24.4 | 00 03.46 -01 09.0 17.1 | -1.04 - 4.3 | 0.6/24.0  | 50484 |
| 2003 QE <sub>67</sub>  | 2003 09 24.4 | 00 03.49 -08 34.6 18.7 | -0.83 - 7.9 | 4.1/21.3  | 50318 |
| 1998 HG <sub>104</sub> | 2003 09 24.4 | 00 03.57 -26 38.4 19.2 | -1.09 + 1.2 | 10.7/17.3 | 50385 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2000 EL <sub>131</sub> | 2003 09 24.4 | 00 03.59 +00 45.3 20.6 | -0.77 - 5.7 | 0.1/24.6  | 47868 |
| 1998 QF <sub>60</sub>  | 2003 09 24.4 | 00 03.65 -01 44.6 19.1 | -0.76 - 5.7 | 0.7/23.8  | 50388 |
| 1999 TV <sub>9</sub>   | 2003 09 24.4 | 00 03.65 +11 34.9 18.2 | -0.74 -13.3 | 3.7/29.0  | 50422 |
| 2002 GM <sub>71</sub>  | 2003 09 24.4 | 00 03.65 -06 21.4 19.0 | -0.81 - 7.5 | 2.5/22.1  | 50603 |
| 2002 GE <sub>174</sub> | 2003 09 24.4 | 00 03.66 -03 32.1 19.3 | -0.75 - 7.5 | 1.5/23.1  | 50606 |
| 1999 TO <sub>118</sub> | 2003 09 24.4 | 00 03.73 -01 49.8 18.3 | -1.13 + 1.4 | 0.9/24.0  | 33829 |
| 2002 GH <sub>88</sub>  | 2003 09 24.5 | 00 03.69 -19 40.7 19.2 | -0.92 - 3.5 | 6.6/18.1  | 32002 |
| 1999 RE <sub>26</sub>  | 2003 09 24.5 | 00 03.71 -07 54.1 18.1 | -1.25 + 1.5 | 2.7/22.6  | 50414 |
| 2001 FT <sub>95</sub>  | 2003 09 24.5 | 00 03.80 -12 36.3 19.2 | -0.82 - 3.6 | 4.0/20.3  | 50530 |
| 1999 VY                | 2003 09 24.5 | 00 03.93 -04 17.6 18.7 | -0.99 - 2.3 | 1.9/23.2  | 50433 |
| 1999 HZ <sub>10</sub>  | 2003 09 24.5 | 00 03.94 -02 24.9 18.3 | -1.04 - 4.4 | 1.2/23.7  | 50407 |
| 2001 DB <sub>96</sub>  | 2003 09 24.5 | 00 04.04 -02 50.9 20.6 | -0.87 - 4.6 | 1.1/23.5  | 48013 |
| 2001 BV <sub>50</sub>  | 2003 09 24.5 | 00 04.06 -04 19.1 19.6 | -0.86 - 3.6 | 1.4/23.1  | 48007 |
| 2002 GA <sub>27</sub>  | 2003 09 24.6 | 00 04.00 +03 30.9 20.7 | -0.83 - 6.4 | 1.0/25.7  | 48227 |
| 2003 NX <sub>8</sub>   | 2003 09 24.6 | 00 04.05 +00 58.2 16.8 | -0.47 -29.9 | 14.5/16.0 | 50772 |
| 1999 XG <sub>175</sub> | 2003 09 24.6 | 00 04.05 -28 12.4 19.2 | -0.76 - 3.6 | 7.2/14.1  | 31886 |
| 1999 TF <sub>99</sub>  | 2003 09 24.6 | 00 04.07 -13 06.4 18.2 | -0.78 - 5.0 | 6.4/19.8  | 50425 |
| 1999 XX <sub>229</sub> | 2003 09 24.6 | 00 04.08 +04 01.6 18.3 | -0.91 - 3.1 | 1.2/25.7  | 50448 |
| 1999 TH <sub>147</sub> | 2003 09 24.6 | 00 04.09 -06 49.5 18.4 | -0.94 - 3.9 | 2.7/22.4  | 50427 |
| 2001 BK <sub>27</sub>  | 2003 09 24.6 | 00 04.10 -00 40.6 20.2 | -0.90 - 7.0 | 0.4/24.3  | 13806 |
| 2001 FH <sub>72</sub>  | 2003 09 24.6 | 00 04.10 -10 06.8 20.3 | -0.74 - 3.7 | 2.6/21.1  | 14422 |
| 2002 JO <sub>24</sub>  | 2003 09 24.6 | 00 04.12 +00 20.6 18.1 | -0.74 - 9.4 | 0.0/24.6  | 50608 |
| 1998 SF <sub>114</sub> | 2003 09 24.6 | 00 04.14 -10 31.3 17.3 | -0.87 - 2.0 | 3.8/21.3  | 50394 |
| 2002 JL <sub>97</sub>  | 2003 09 24.6 | 00 04.20 -06 15.0 18.9 | -0.69 -10.2 | 2.2/22.1  | 50084 |
| 2000 AV <sub>154</sub> | 2003 09 24.6 | 00 04.24 +12 25.3 18.3 | -0.84 - 1.8 | 5.7/28.3  | 49781 |
| 2000 AJ <sub>171</sub> | 2003 09 24.6 | 00 04.26 -17 50.9 18.4 | -0.76 - 8.2 | 6.4/17.6  | 49782 |
| 2002 JJ <sub>44</sub>  | 2003 09 24.6 | 00 04.28 -00 25.6 17.8 | -0.96 - 2.0 | 0.3/24.4  | 50079 |
| 1999 TE <sub>7</sub>   | 2003 09 24.6 | 00 04.33 -05 52.1 18.2 | -0.89 - 4.3 | 2.2/22.7  | 50422 |
| 2000 AB <sub>11</sub>  | 2003 09 24.6 | 00 04.33 +12 54.5 19.0 | -0.94 - 3.9 | 4.8/28.5  | 50449 |
| 2001 AH <sub>36</sub>  | 2003 09 24.6 | 00 04.35 -09 06.4 20.7 | -0.85 - 4.6 | 2.7/21.6  | 48004 |
| 2001 FH <sub>49</sub>  | 2003 09 24.6 | 00 04.37 +04 43.3 18.7 | -0.77 - 3.2 | 1.1/26.1  | 50528 |
| 2001 FJ <sub>62</sub>  | 2003 09 24.6 | 00 04.39 -03 17.4 19.1 | -0.76 - 5.3 | 1.2/23.4  | 50529 |
| 2000 UL <sub>104</sub> | 2003 09 24.6 | 00 04.40 +00 06.2 17.1 | -1.05 - 3.3 | 0.2/24.6  | 50501 |
| 2001 CN <sub>40</sub>  | 2003 09 24.7 | 00 04.34 -14 46.2 19.0 | -1.04 - 1.1 | 5.6/20.4  | 49899 |
| 1994 AC <sub>7</sub>   | 2003 09 24.7 | 00 04.40 -13 01.5 18.6 | -0.72 - 5.7 | 4.4/19.9  | 50370 |
| 2001 FW <sub>123</sub> | 2003 09 24.7 | 00 04.46 +01 19.2 19.1 | -0.90 - 1.9 | 0.3/25.0  | 13339 |
| 1999 VT <sub>186</sub> | 2003 09 24.7 | 00 04.49 -02 24.6 19.0 | -0.80 - 6.7 | 1.0/23.7  | 50439 |
| 1999 XE <sub>59</sub>  | 2003 09 24.7 | 00 04.50 +09 24.6 17.8 | -0.80 - 6.0 | 3.3/27.8  | 50443 |
| 2000 DG <sub>28</sub>  | 2003 09 24.7 | 00 04.51 +00 26.2 18.0 | -0.74 - 4.7 | 0.0/24.7  | 50461 |
| 2000 EP <sub>8</sub>   | 2003 09 24.7 | 00 04.57 -02 14.4 19.0 | -0.73 - 5.3 | 0.8/23.8  | 23516 |
| 1998 FR <sub>106</sub> | 2003 09 24.7 | 00 04.60 +04 50.0 19.0 | -1.06 - 3.0 | 1.6/26.0  | 50383 |
| 1998 FC <sub>114</sub> | 2003 09 24.7 | 00 04.66 +09 35.8 18.7 | -0.92 - 7.2 | 3.2/27.8  | 50383 |
| 1999 TY <sub>13</sub>  | 2003 09 24.7 | 00 04.68 -03 27.4 18.5 | -0.82 - 6.4 | 1.5/23.4  | 50423 |
| 1999 XQ <sub>179</sub> | 2003 09 24.7 | 00 04.73 -02 13.3 19.1 | -0.74 - 4.0 | 0.7/23.9  | 50446 |
| 2000 XK <sub>10</sub>  | 2003 09 24.7 | 00 04.77 -20 44.5 19.7 | -0.94 - 2.8 | 6.7/18.1  | 11008 |
| 2001 DB <sub>102</sub> | 2003 09 24.8 | 00 04.70 -05 11.7 18.4 | -1.00 - 3.9 | 2.4/23.1  | 49906 |
| 2002 KB <sub>5</sub>   | 2003 09 24.8 | 00 04.76 +04 04.2 19.6 | -0.81 - 6.3 | 1.1/26.0  | 48238 |
| 2002 ET <sub>88</sub>  | 2003 09 24.8 | 00 04.77 -04 21.5 20.8 | -0.93 - 6.3 | 1.7/23.2  | 31980 |
| 2002 GC <sub>37</sub>  | 2003 09 24.8 | 00 04.80 -07 15.7 20.4 | -1.03 - 3.9 | 2.7/22.5  | 33979 |
| 1999 TS <sub>122</sub> | 2003 09 24.8 | 00 04.81 -10 06.9 18.5 | -1.03 + 0.4 | 4.7/22.1  | 50426 |
| 2002 EA <sub>65</sub>  | 2003 09 24.8 | 00 04.84 +03 00.8 19.7 | -1.00 - 4.5 | 1.0/26.0  | 30713 |

2003 SEPT. 10

M.P.C. 49723

|                        |              |                                    |           |       |
|------------------------|--------------|------------------------------------|-----------|-------|
| 2002 HO                | 2003 09 24.8 | 00 04.90 -02 59.1 19.2 -0.82 - 7.4 | 1.1/23.6  | 32010 |
| 2002 HD <sub>9</sub>   | 2003 09 24.8 | 00 04.92 -12 16.0 20.4 -0.90 - 6.2 | 4.8/20.6  | 50606 |
| 1999 WS <sub>5</sub>   | 2003 09 24.8 | 00 05.07 -10 49.1 19.6 -0.98 - 2.0 | 4.3/21.6  | 50440 |
| 2000 WY <sub>6</sub>   | 2003 09 24.8 | 00 05.08 +04 15.3 17.8 -1.03 - 3.3 | 1.5/26.0  | 50503 |
| 2000 DU <sub>25</sub>  | 2003 09 24.8 | 00 05.08 -00 14.9 17.8 -0.75 - 4.6 | 0.3/24.6  | 50460 |
| 2002 JW <sub>99</sub>  | 2003 09 24.8 | 00 05.11 -15 12.2 19.4 -0.79 - 7.2 | 4.8/19.2  | 34003 |
| 1998 OT <sub>10</sub>  | 2003 09 24.8 | 00 05.11 +05 22.6 18.2 -0.83 - 4.6 | 1.7/26.5  | 50387 |
| 2002 JE <sub>131</sub> | 2003 09 24.9 | 00 05.06 +02 01.4 19.2 -0.96 - 5.1 | 0.6/25.4  | 33582 |
| 2002 GY <sub>15</sub>  | 2003 09 24.9 | 00 05.09 -05 06.1 18.7 -1.03 - 2.3 | 2.3/23.3  | 50601 |
| 2000 YB <sub>17</sub>  | 2003 09 24.9 | 00 05.11 +33 47.8 19.8 -1.02 - 5.8 | 10.7/07.2 | 9896  |
| 2000 UG <sub>36</sub>  | 2003 09 24.9 | 00 05.11 -04 23.9 19.7 -1.03 - 5.0 | 2.1/23.4  | 50499 |
| 2000 AM <sub>39</sub>  | 2003 09 24.9 | 00 05.13 +10 06.7 20.3 -0.81 - 2.9 | 2.7/27.9  | 47839 |
| 1999 VF <sub>162</sub> | 2003 09 24.9 | 00 05.14 -02 07.3 19.4 -0.88 - 3.6 | 0.9/24.1  | 50438 |
| 2002 LF <sub>47</sub>  | 2003 09 24.9 | 00 05.15 -08 18.3 17.9 -0.57 -16.3 | 3.2/21.0  | 50094 |
| 2002 GK <sub>106</sub> | 2003 09 24.9 | 00 05.23 -10 02.1 17.9 -0.70 -10.9 | 4.1/20.8  | 50061 |
| 2000 AA <sub>164</sub> | 2003 09 24.9 | 00 05.24 +13 36.2 18.6 -0.75 - 5.6 | 4.3/29.5  | 17138 |
| 2000 AL <sub>225</sub> | 2003 09 24.9 | 00 05.26 +05 08.5 18.9 -0.73 - 3.9 | 1.2/26.5  | 33859 |
| 2002 ES <sub>14</sub>  | 2003 09 24.9 | 00 05.26 +02 49.8 19.5 -1.02 - 6.1 | 1.0/26.0  | 48216 |
| 1998 KT <sub>42</sub>  | 2003 09 24.9 | 00 05.35 -06 26.6 19.4 -0.77 - 9.0 | 2.6/22.4  | 47732 |
| 2001 FE <sub>12</sub>  | 2003 09 24.9 | 00 05.36 -04 16.8 18.9 -0.67 - 7.1 | 1.4/23.2  | 50527 |
| 1999 RE <sub>51</sub>  | 2003 09 24.9 | 00 05.40 -07 37.3 17.1 -0.72 - 9.8 | 3.7/21.9  | 50415 |
| 1999 UP <sub>14</sub>  | 2003 09 24.9 | 00 05.43 +08 28.1 19.4 -0.77 -10.1 | 2.7/27.9  | 11615 |
| 2002 GX <sub>18</sub>  | 2003 09 24.9 | 00 05.44 +02 40.5 19.4 -0.92 - 6.0 | 0.7/25.7  | 31992 |
| 1999 TX <sub>101</sub> | 2003 09 24.9 | 00 05.49 -25 14.4 18.3 -0.96 - 2.3 | 8.0/16.5  | 50425 |
| 1999 XX <sub>195</sub> | 2003 09 24.9 | 00 05.50 +09 49.7 17.6 -0.93 - 1.5 | 3.7/27.7  | 50447 |
| 2000 CU <sub>31</sub>  | 2003 09 25.0 | 00 05.51 -11 35.2 19.5 -0.68 - 7.3 | 3.2/20.5  | 39590 |
| 1999 WV <sub>22</sub>  | 2003 09 25.0 | 00 05.52 +06 43.9 19.7 -0.79 - 6.4 | 2.0/27.1  | 34820 |
| 2000 UJ <sub>65</sub>  | 2003 09 25.0 | 00 05.58 +05 00.4 19.2 -1.04 - 5.2 | 1.8/26.4  | 50500 |
| 2000 DL <sub>55</sub>  | 2003 09 25.0 | 00 05.59 -02 48.6 19.1 -0.76 - 5.5 | 1.2/23.9  | 31323 |
| 2002 LR <sub>38</sub>  | 2003 09 25.0 | 00 05.66 +01 58.2 20.1 -0.75 - 9.0 | 0.4/25.6  | 48239 |
| 2002 GJ <sub>44</sub>  | 2003 09 25.0 | 00 05.67 +00 23.7 16.0 -1.02 + 2.9 | 0.1/25.0  | 50050 |
| 2000 VS <sub>50</sub>  | 2003 09 25.0 | 00 05.68 +11 01.5 19.8 -0.94 - 6.6 | 3.7/28.5  | 50503 |
| 2001 BW                | 2003 09 25.0 | 00 05.77 +09 27.1 18.9 -0.97 - 2.2 | 2.9/27.7  | 12272 |
| 1999 XE <sub>36</sub>  | 2003 09 25.0 | 00 05.81 +04 36.3 18.8 -0.79 - 6.0 | 1.2/26.4  | 47829 |
| 1999 TN <sub>157</sub> | 2003 09 25.0 | 00 05.85 +01 43.2 19.1 -0.85 - 6.5 | 0.4/25.5  | 13613 |
| 2001 DB <sub>44</sub>  | 2003 09 25.0 | 00 05.85 +10 49.4 19.7 -0.78 - 3.0 | 2.5/28.4  | 37544 |
| 2000 YE <sub>75</sub>  | 2003 09 25.1 | 00 05.78 -12 19.5 20.1 -0.90 - 6.1 | 4.4/20.8  | 33342 |
| 1999 XN <sub>241</sub> | 2003 09 25.1 | 00 05.85 -23 33.9 18.3 -0.86 - 4.3 | 8.3/16.5  | 50448 |
| 2000 DJ <sub>62</sub>  | 2003 09 25.1 | 00 05.90 -06 10.4 16.9 -0.62 -10.8 | 2.3/22.4  | 49791 |
| 1999 VU <sub>59</sub>  | 2003 09 25.1 | 00 05.92 +06 38.5 18.1 -0.78 - 7.6 | 2.5/27.3  | 50435 |
| 2000 YL <sub>112</sub> | 2003 09 25.1 | 00 05.98 +14 03.0 19.0 -0.92 - 3.6 | 4.2/29.4  | 17521 |
| 2000 WM <sub>156</sub> | 2003 09 25.1 | 00 06.01 +08 11.7 20.3 -1.01 - 4.9 | 2.7/27.5  | 9883  |
| 2001 FJ <sub>73</sub>  | 2003 09 25.1 | 00 06.04 -08 40.6 20.5 -0.98 - 2.6 | 3.0/22.4  | 13835 |
| 2002 FE <sub>38</sub>  | 2003 09 25.1 | 00 06.05 -10 42.5 17.4 -0.99 - 3.0 | 5.0/21.8  | 50045 |
| 2001 EE <sub>9</sub>   | 2003 09 25.1 | 00 06.08 -03 33.3 20.1 -0.81 - 6.5 | 1.3/23.7  | 48015 |
| 1999 JB <sub>123</sub> | 2003 09 25.1 | 00 06.15 -08 19.2 20.4 -1.03 - 4.2 | 3.6/22.5  | 30299 |
| 2002 LF <sub>51</sub>  | 2003 09 25.1 | 00 06.16 +00 16.6 19.1 -0.80 - 7.7 | 0.1/25.0  | 31787 |
| 2001 DY <sub>15</sub>  | 2003 09 25.1 | 00 06.18 -05 17.8 18.5 -0.99 - 3.3 | 2.3/23.4  | 50523 |
| 2002 GF <sub>24</sub>  | 2003 09 25.2 | 00 06.15 -09 12.7 18.9 -0.94 - 1.6 | 3.7/22.4  | 50602 |
| 1112 T-3               | 2003 09 25.2 | 00 06.16 +19 04.5 18.7 -0.80 - 8.3 | 6.3/02.3  | 32043 |
| 1999 RH <sub>239</sub> | 2003 09 25.2 | 00 06.17 -11 00.2 18.8 -0.83 - 7.0 | 3.7/21.1  | 50421 |

|                        |              |                                    |           |       |
|------------------------|--------------|------------------------------------|-----------|-------|
| 2000 EN <sub>171</sub> | 2003 09 25.2 | 00 06.18 -10 55.2 19.7 -0.86 - 2.6 | 3.2/21.6  | 20760 |
| 1999 UQ <sub>45</sub>  | 2003 09 25.2 | 00 06.23 +10 06.2 18.0 -0.77 - 4.1 | 4.6/28.4  | 49735 |
| 1999 RT <sub>48</sub>  | 2003 09 25.2 | 00 06.34 +00 55.4 18.2 -0.74 - 9.5 | 0.1/25.3  | 49677 |
| 2002 JY <sub>45</sub>  | 2003 09 25.2 | 00 06.41 -02 21.0 17.8 -1.05 0.0   | 1.2/24.5  | 50609 |
| 2001 FL <sub>14</sub>  | 2003 09 25.2 | 00 06.49 -01 38.4 20.7 -0.77 - 3.8 | 0.6/24.5  | 48017 |
| 1999 XY <sub>181</sub> | 2003 09 25.2 | 00 06.52 -19 58.9 19.1 -1.01 - 1.9 | 6.8/18.8  | 13076 |
| 2249 T-1               | 2003 09 25.3 | 00 06.50 -01 59.6 19.6 -0.93 - 7.6 | 1.0/24.4  | 50810 |
| 2001 FF <sub>5</sub>   | 2003 09 25.3 | 00 06.52 +02 04.7 18.5 -0.97 - 1.5 | 0.5/25.7  | 25897 |
| 1999 TB <sub>14</sub>  | 2003 09 25.3 | 00 06.69 +01 18.2 18.2 -0.71 -10.6 | 0.2/25.6  | 50423 |
| 1999 TC <sub>173</sub> | 2003 09 25.3 | 00 06.73 +02 52.7 19.2 -0.90 - 4.1 | 0.8/26.0  | 50427 |
| 1999 TH <sub>48</sub>  | 2003 09 25.3 | 00 06.74 -05 38.2 20.4 -0.98 - 2.2 | 2.4/23.5  | 14789 |
| 1995 WN <sub>4</sub>   | 2003 09 25.3 | 00 06.74 -07 26.0 17.9 -0.81 - 6.4 | 3.4/22.5  | 50374 |
| 1996 AG <sub>6</sub>   | 2003 09 25.3 | 00 06.78 +04 24.8 17.9 -0.87 - 3.6 | 1.4/26.5  | 50375 |
| 2000 WT <sub>120</sub> | 2003 09 25.3 | 00 06.78 -20 15.2 19.2 -0.89 - 3.5 | 6.0/18.5  | 11004 |
| 2001 FT <sub>108</sub> | 2003 09 25.3 | 00 06.84 -02 52.9 18.9 -0.64 -10.9 | 1.1/24.0  | 50530 |
| 1990 TW <sub>10</sub>  | 2003 09 25.3 | 00 06.86 +03 08.5 18.5 -1.06 - 2.7 | 1.1/26.0  | 50367 |
| 2000 VV <sub>46</sub>  | 2003 09 25.3 | 00 06.92 +04 16.6 18.7 -1.05 - 4.4 | 1.5/26.0  | 33885 |
| 2000 WZ <sub>65</sub>  | 2003 09 25.3 | 00 06.93 -34 50.7 18.8 -1.05 - 3.7 | 10.8/12.8 | 31924 |
| 2000 SL <sub>164</sub> | 2003 09 25.3 | 00 07.01 -35 56.1 18.8 -1.84 + 6.9 | 17.4/15.9 | 9826  |
| 2003 NC <sub>3</sub>   | 2003 09 25.4 | 00 06.87 -06 06.6 16.5 -0.61 - 9.8 | 2.6/22.7  | 50238 |
| 1996 RP <sub>15</sub>  | 2003 09 25.4 | 00 06.89 +00 12.8 19.3 -0.87 - 9.6 | 0.2/25.2  | 28951 |
| 1999 VG <sub>131</sub> | 2003 09 25.4 | 00 06.89 -08 55.4 19.3 -0.91 - 1.7 | 4.2/22.6  | 33140 |
| 2001 CM <sub>37</sub>  | 2003 09 25.4 | 00 06.93 -00 16.6 21.0 -0.70 - 5.5 | 0.2/25.1  | 48009 |
| 2001 CX <sub>20</sub>  | 2003 09 25.4 | 00 06.95 -40 50.1 19.4 -1.02 - 0.5 | 11.1/10.3 | 13810 |
| 2003 PC <sub>1</sub>   | 2003 09 25.4 | 00 07.01 -02 59.0 17.8 -0.77 - 7.0 | 1.8/24.1  | 50275 |
| 1999 XQ <sub>1</sub>   | 2003 09 25.4 | 00 07.04 -11 32.9 19.1 -0.91 - 5.9 | 4.9/21.2  | 50441 |
| 1999 VY <sub>197</sub> | 2003 09 25.4 | 00 07.11 +02 40.8 18.2 -0.74 -11.1 | 0.7/26.2  | 50439 |
| 2002 JO <sub>109</sub> | 2003 09 25.4 | 00 07.14 +03 16.2 20.3 -0.86 - 5.1 | 0.8/26.3  | 31736 |
| 2002 JW <sub>26</sub>  | 2003 09 25.4 | 00 07.16 -14 38.2 18.9 -0.87 - 4.8 | 5.3/20.4  | 32018 |
| 1998 QX <sub>1</sub>   | 2003 09 25.4 | 00 07.26 +12 04.6 16.6 -0.77 - 0.8 | 5.5/28.9  | 50387 |
| 2000 EP <sub>15</sub>  | 2003 09 25.5 | 00 07.35 +00 00.5 18.4 -0.74 - 5.2 | 0.3/25.3  | 50463 |
| 1999 XS <sub>23</sub>  | 2003 09 25.5 | 00 07.38 -06 39.4 19.1 -0.84 - 5.0 | 2.5/23.1  | 50441 |
| 2001 CS <sub>5</sub>   | 2003 09 25.5 | 00 07.43 -10 18.6 19.5 -0.78 - 5.9 | 3.5/21.7  | 50521 |
| 1998 HF <sub>133</sub> | 2003 09 25.5 | 00 07.43 -03 08.9 19.5 -0.86 - 8.1 | 1.4/24.2  | 47731 |
| 1999 TS <sub>63</sub>  | 2003 09 25.5 | 00 07.44 +03 52.0 17.9 -0.77 - 8.4 | 1.3/26.6  | 1479  |
| 1998 BD <sub>42</sub>  | 2003 09 25.5 | 00 07.47 -10 48.2 19.9 -0.95 - 5.7 | 3.8/21.8  | 31810 |
| 2002 GV <sub>173</sub> | 2003 09 25.5 | 00 07.49 -05 34.7 21.7 -0.90 - 6.3 | 2.1/23.5  | 48231 |
| 2002 GQ <sub>26</sub>  | 2003 09 25.5 | 00 07.50 -22 02.8 20.1 -0.93 - 2.3 | 6.9/18.6  | 31993 |
| 2000 WF <sub>169</sub> | 2003 09 25.5 | 00 07.52 -00 25.3 17.3 -0.86 - 8.7 | 0.5/25.1  | 50508 |
| 1998 DE <sub>18</sub>  | 2003 09 25.5 | 00 07.54 -03 44.5 19.6 -0.98 - 3.5 | 1.7/24.2  | 47723 |
| 1992 EA <sub>14</sub>  | 2003 09 25.5 | 00 07.54 +06 17.4 17.9 -1.02 - 5.1 | 2.4/27.2  | 50367 |
| 1054 T-3               | 2003 09 25.5 | 00 07.54 -01 10.3 17.4 -1.77 + 9.5 | 1.1/25.3  | 50812 |
| 2000 EO <sub>186</sub> | 2003 09 25.5 | 00 07.55 -02 36.2 17.6 -1.02 + 1.2 | 1.3/24.7  | 50467 |
| 1998 EQ <sub>9</sub>   | 2003 09 25.5 | 00 07.56 -04 47.7 20.2 -0.88 - 6.8 | 1.8/23.7  | 50381 |
| 2000 BV <sub>5</sub>   | 2003 09 25.5 | 00 07.58 -02 40.8 20.2 -0.74 - 4.6 | 1.0/24.4  | 47846 |
| 2002 FT <sub>11</sub>  | 2003 09 25.5 | 00 07.58 -08 03.5 19.7 -0.96 - 5.2 | 3.3/22.8  | 31987 |
| 1994 CA <sub>17</sub>  | 2003 09 25.5 | 00 07.61 -04 14.5 18.3 -0.91 - 6.1 | 1.8/23.9  | 50370 |
| 2001 FV <sub>63</sub>  | 2003 09 25.5 | 00 07.63 -03 47.8 17.5 -0.79 - 3.1 | 1.6/24.1  | 50529 |
| 1999 VH <sub>166</sub> | 2003 09 25.5 | 00 07.64 +04 22.9 20.2 -0.83 - 5.0 | 1.2/26.8  | 47824 |
| 2000 AT <sub>149</sub> | 2003 09 25.5 | 00 07.65 +05 11.4 17.4 -0.76 - 8.4 | 1.6/27.2  | 50454 |
| 2000 YX <sub>67</sub>  | 2003 09 25.6 | 00 07.58 +12 54.6 19.9 -0.85 - 4.6 | 3.5/29.6  | 48000 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2000 WP <sub>66</sub>  | 2003 09 25.6 | 00 07.60 -11 22.8 17.8 | -1.07 - 4.7 | 4.8/21.8  | 11002 |
| 1993 FQ <sub>20</sub>  | 2003 09 25.6 | 00 07.67 -04 44.7 17.6 | -0.86 - 7.1 | 2.1/23.7  | 50368 |
| 2001 BJ <sub>67</sub>  | 2003 09 25.6 | 00 07.68 +00 12.7 18.5 | -1.08 + 0.4 | 0.2/25.5  | 49893 |
| 2000 WF <sub>108</sub> | 2003 09 25.6 | 00 07.68 -01 59.8 18.6 | -1.05 - 3.7 | 1.1/24.8  | 31358 |
| 2002 JY <sub>46</sub>  | 2003 09 25.6 | 00 07.71 +00 15.3 18.7 | -0.94 - 4.9 | 0.2/25.4  | 50609 |
| 2003 OK <sub>31</sub>  | 2003 09 25.6 | 00 07.77 +08 10.5 18.1 | -1.03 - 2.5 | 3.3/27.8  | 50274 |
| 2002 JO <sub>86</sub>  | 2003 09 25.6 | 00 07.88 +06 46.3 19.5 | -0.87 - 7.3 | 2.0/27.7  | 32027 |
| 2001 FE <sub>71</sub>  | 2003 09 25.6 | 00 07.95 -03 10.5 21.1 | -0.83 - 1.7 | 1.1/24.5  | 14422 |
| 2002 JH <sub>31</sub>  | 2003 09 25.6 | 00 08.00 +16 19.5 18.8 | -0.71 - 8.7 | 4.7/01.8  | 32018 |
| 2000 SP <sub>295</sub> | 2003 09 25.6 | 00 08.04 -03 24.5 17.1 | -1.07 - 3.3 | 1.7/24.5  | 50495 |
| 2000 OB <sub>54</sub>  | 2003 09 25.6 | 00 08.05 +36 41.3 19.3 | -1.53 + 1.8 | 16.0/06.1 | 50479 |
| 1998 VN <sub>4</sub>   | 2003 09 25.7 | 00 07.95 -11 43.0 18.9 | -0.80 - 2.7 | 3.7/21.7  | 50397 |
| 2002 FB <sub>37</sub>  | 2003 09 25.7 | 00 08.03 +09 15.5 19.4 | -0.91 - 7.8 | 3.3/28.6  | 50601 |
| 2002 GL <sub>170</sub> | 2003 09 25.7 | 00 08.03 -04 51.0 19.3 | -0.96 - 2.4 | 2.1/24.1  | 35187 |
| 2001 EJ <sub>1</sub>   | 2003 09 25.7 | 00 08.06 -12 43.0 18.8 | -0.82 - 4.6 | 3.9/21.2  | 50526 |
| 2001 DQ <sub>13</sub>  | 2003 09 25.7 | 00 08.06 -09 28.9 19.6 | -0.91 - 4.8 | 3.3/22.4  | 14419 |
| 1999 TH <sub>81</sub>  | 2003 09 25.7 | 00 08.07 -08 28.6 19.7 | -0.84 - 4.3 | 3.1/22.7  | 31866 |
| 2001 CD <sub>27</sub>  | 2003 09 25.7 | 00 08.07 +18 43.4 19.1 | -0.94 - 3.3 | 5.6/01.5  | 48009 |
| 1999 TA <sub>72</sub>  | 2003 09 25.7 | 00 08.08 +05 59.4 20.6 | -0.79 - 7.9 | 1.7/27.6  | 47804 |
| 2000 AS <sub>51</sub>  | 2003 09 25.7 | 00 08.09 +07 50.2 18.1 | -0.95 - 1.4 | 3.1/27.7  | 50451 |
| 1999 XT <sub>142</sub> | 2003 09 25.7 | 00 08.12 +48 59.2 17.9 | -1.14 - 0.4 | 14.0/15.9 | 50445 |
| 2001 AB <sub>45</sub>  | 2003 09 25.7 | 00 08.13 -13 45.2 19.1 | -0.79 - 5.7 | 4.4/20.7  | 31935 |
| 2001 AX <sub>28</sub>  | 2003 09 25.7 | 00 08.14 -00 59.0 18.5 | -1.03 - 3.6 | 0.8/25.2  | 50517 |
| 2002 JO <sub>30</sub>  | 2003 09 25.7 | 00 08.17 -07 43.0 19.0 | -0.87 - 5.1 | 3.0/23.0  | 31648 |
| 1999 VC <sub>54</sub>  | 2003 09 25.7 | 00 08.18 -04 54.5 18.4 | -0.91 - 3.1 | 2.3/24.0  | 50435 |
| 2001 BG <sub>29</sub>  | 2003 09 25.7 | 00 08.21 +11 51.7 21.3 | -0.97 - 4.9 | 3.7/29.2  | 18311 |
| 1999 VX <sub>33</sub>  | 2003 09 25.7 | 00 08.22 -11 39.4 20.0 | -0.86 - 3.3 | 3.7/21.8  | 11637 |
| 2002 FL <sub>4</sub>   | 2003 09 25.7 | 00 08.23 -01 14.3 19.5 | -0.98 - 5.1 | 0.7/25.1  | 31986 |
| 2001 CT <sub>17</sub>  | 2003 09 25.7 | 00 08.25 -01 08.2 19.8 | -0.90 - 3.7 | 0.7/25.1  | 48009 |
| 2002 EA <sub>40</sub>  | 2003 09 25.7 | 00 08.30 +03 43.1 17.7 | -1.04 - 1.2 | 1.4/26.6  | 50020 |
| 1999 TR <sub>312</sub> | 2003 09 25.7 | 00 08.32 -26 32.9 18.2 | -0.97 - 2.3 | 9.6/16.6  | 50431 |
| 2000 DB <sub>73</sub>  | 2003 09 25.7 | 00 08.34 -00 08.1 18.7 | -0.75 - 4.8 | 0.3/25.4  | 2387  |
| 2001 BY <sub>18</sub>  | 2003 09 25.8 | 00 08.42 -02 18.5 19.7 | -0.94 - 5.1 | 1.2/24.8  | 17534 |
| 1995 UJ <sub>13</sub>  | 2003 09 25.8 | 00 08.46 -03 15.3 18.4 | -0.90 - 0.6 | 2.1/24.7  | 50373 |
| 1999 OD <sub>1</sub>   | 2003 09 25.8 | 00 08.48 -06 28.2 18.1 | -0.77 - 5.6 | 3.6/23.3  | 50413 |
| 2002 JF <sub>70</sub>  | 2003 09 25.8 | 00 08.54 -10 06.1 20.0 | -0.80 - 6.5 | 3.6/22.1  | 50081 |
| 2000 BY <sub>13</sub>  | 2003 09 25.8 | 00 08.57 -17 49.9 18.7 | -0.77 - 5.1 | 6.2/19.2  | 50456 |
| 2002 FR <sub>8</sub>   | 2003 09 25.8 | 00 08.60 +06 34.2 18.6 | -0.93 - 5.4 | 2.1/27.7  | 43228 |
| 2002 CQ <sub>56</sub>  | 2003 09 25.8 | 00 08.62 +05 45.7 18.0 | -0.99 - 3.3 | 1.7/27.3  | 50591 |
| 2000 YW <sub>109</sub> | 2003 09 25.8 | 00 08.62 +02 10.5 20.2 | -0.95 - 5.4 | 9.3/06.0  | 11020 |
| 2001 BH <sub>65</sub>  | 2003 09 25.8 | 00 08.67 -04 38.1 19.8 | -0.78 - 9.5 | 1.8/23.8  | 48007 |
| 2003 QQ <sub>6</sub>   | 2003 09 25.8 | 00 08.67 +08 08.0 17.6 | -1.19 + 4.7 | 2.9/27.4  | 50292 |
| 1998 HV <sub>36</sub>  | 2003 09 25.8 | 00 08.71 +04 34.1 20.0 | -0.85 - 7.8 | 1.2/27.2  | 47729 |
| 1999 TL <sub>105</sub> | 2003 09 25.8 | 00 08.71 -09 14.1 17.3 | -1.17 + 5.9 | 5.3/23.8  | 49704 |
| 2002 EF <sub>133</sub> | 2003 09 25.8 | 00 08.73 +02 05.9 20.3 | -0.93 - 6.5 | 0.4/26.3  | 48223 |
| 1999 UE <sub>47</sub>  | 2003 09 25.9 | 00 08.66 +01 53.7 19.3 | -0.89 - 4.1 | 0.4/26.2  | 11620 |
| 2002 CR <sub>236</sub> | 2003 09 25.9 | 00 08.67 -08 43.4 19.1 | -1.00 - 3.9 | 3.3/23.0  | 33532 |
| 1999 TZ <sub>27</sub>  | 2003 09 25.9 | 00 08.68 -12 41.7 19.0 | -0.91 - 3.1 | 4.1/21.6  | 50423 |
| 2001 CN <sub>38</sub>  | 2003 09 25.9 | 00 08.84 -13 26.6 20.7 | -0.94 - 2.8 | 4.5/21.6  | 48009 |
| 1998 SY <sub>70</sub>  | 2003 09 25.9 | 00 08.85 +00 39.1 18.5 | -0.70 - 7.3 | 7.4/06.0  | 50393 |
| 2002 EW <sub>86</sub>  | 2003 09 25.9 | 00 08.99 -04 19.6 18.9 | -1.05 - 3.6 | 2.1/24.4  | 30037 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 SG <sub>25</sub>  | 2003 09 25.9 | 00 09.01 +01 35.0 19.1 | -0.76 -11.5 | 9.9/06.0  | 27641 |
| 1999 XG <sub>243</sub> | 2003 09 25.9 | 00 09.03 +26 42.3 17.9 | -0.91 - 2.8 | 10.5/04.9 | 50448 |
| 2001 BK <sub>36</sub>  | 2003 09 26.0 | 00 09.03 +09 28.1 19.4 | -0.92 - 3.0 | 2.6/28.6  | 13806 |
| 2000 YY <sub>78</sub>  | 2003 09 26.0 | 00 09.06 -12 58.0 18.8 | -0.96 - 6.1 | 5.2/21.4  | 11017 |
| 2001 AW <sub>20</sub>  | 2003 09 26.0 | 00 09.07 +04 58.8 19.7 | -0.91 - 8.8 | 1.5/27.4  | 19917 |
| 2002 EZ <sub>62</sub>  | 2003 09 26.0 | 00 09.07 +00 19.8 19.9 | -0.87 - 7.2 | 0.2/25.8  | 30003 |
| 1997 EN <sub>5</sub>   | 2003 09 26.0 | 00 09.12 +00 40.0 18.4 | -0.87 - 4.6 | 0.1/25.9  | 50377 |
| 2002 CU <sub>9</sub>   | 2003 09 26.0 | 00 09.13 +10 38.7 17.1 | -1.78 +10.4 | 5.5/27.2  | 50589 |
| 2000 AY <sub>89</sub>  | 2003 09 26.0 | 00 09.13 +03 41.7 18.5 | -0.76 - 6.5 | 0.9/27.0  | 50452 |
| 1999 YF <sub>5</sub>   | 2003 09 26.0 | 00 09.14 -24 46.3 18.4 | -0.76 - 3.7 | 6.9/16.8  | 50449 |
| 1978 VO <sub>2</sub>   | 2003 09 26.0 | 00 09.14 +11 36.8 17.8 | -0.83 - 6.5 | 3.7/29.7  | 50365 |
| 2001 DP <sub>21</sub>  | 2003 09 26.0 | 00 09.15 -14 07.3 18.4 | -0.74 - 5.6 | 4.4/20.7  | 50523 |
| 1998 DT <sub>8</sub>   | 2003 09 26.0 | 00 09.21 -04 55.2 22.0 | -0.88 - 7.0 | 1.9/24.1  | 31223 |
| 2002 EC <sub>63</sub>  | 2003 09 26.0 | 00 09.21 +03 50.8 20.0 | -1.09 - 3.3 | 1.2/26.9  | 30712 |
| 1998 WV <sub>27</sub>  | 2003 09 26.0 | 00 09.25 +16 15.3 19.4 | -0.72 - 8.7 | 4.8/02.0  | 47758 |
| 2000 AZ <sub>96</sub>  | 2003 09 26.0 | 00 09.30 +13 32.5 18.5 | -0.89 - 1.6 | 3.7/29.8  | 50452 |
| 1999 KF <sub>9</sub>   | 2003 09 26.0 | 00 09.33 -09 29.1 18.7 | -0.97 - 6.3 | 4.4/22.7  | 49665 |
| 2001 DX <sub>22</sub>  | 2003 09 26.0 | 00 09.35 -03 14.3 21.9 | -0.73 - 4.7 | 1.0/24.6  | 48010 |
| 1999 TB <sub>168</sub> | 2003 09 26.0 | 00 09.39 +07 08.1 19.0 | -0.86 - 6.5 | 2.1/28.1  | 50427 |
| 2001 AN <sub>15</sub>  | 2003 09 26.0 | 00 09.40 -05 12.8 18.9 | -0.90 - 7.8 | 2.3/23.9  | 50516 |
| 1999 TN <sub>138</sub> | 2003 09 26.0 | 00 09.43 +03 39.4 17.9 | -0.85 - 5.8 | 1.0/27.0  | 33830 |
| 2000 VL <sub>12</sub>  | 2003 09 26.1 | 00 09.42 -08 45.8 18.8 | -1.00 - 5.1 | 3.6/23.1  | 50501 |
| 1999 AB                | 2003 09 26.1 | 00 09.43 +34 01.5 18.1 | -0.89 - 1.7 | 9.4/08.0  | 50401 |
| 2001 CR <sub>32</sub>  | 2003 09 26.1 | 00 09.43 -13 51.1 19.5 | -0.97 - 1.8 | 4.9/21.8  | 17547 |
| 2002 CH <sub>245</sub> | 2003 09 26.1 | 00 09.46 +02 25.0 18.1 | -0.87 - 9.9 | 0.5/26.6  | 50594 |
| 2001 DQ <sub>24</sub>  | 2003 09 26.1 | 00 09.54 -12 10.1 19.2 | -0.74 - 6.4 | 3.9/21.5  | 50523 |
| 2001 CY <sub>35</sub>  | 2003 09 26.1 | 00 09.56 -07 51.1 19.6 | -0.80 - 5.5 | 2.9/23.2  | 50522 |
| 2000 SF <sub>275</sub> | 2003 09 26.1 | 00 09.57 -08 31.2 18.5 | -1.03 - 4.5 | 3.6/23.3  | 50495 |
| 2002 JK <sub>105</sub> | 2003 09 26.1 | 00 09.57 -03 33.1 18.4 | -0.75 - 5.1 | 1.6/24.6  | 50610 |
| 1998 VG <sub>26</sub>  | 2003 09 26.1 | 00 09.59 -01 51.4 18.1 | -0.80 - 3.7 | 1.0/25.2  | 232   |
| 1999 VM <sub>164</sub> | 2003 09 26.1 | 00 09.60 +17 11.1 18.5 | -0.80 - 7.7 | 6.2/02.0  | 2687  |
| 1999 JD <sub>21</sub>  | 2003 09 26.1 | 00 09.62 -01 34.5 19.0 | -1.03 - 5.5 | 1.0/25.4  | 50408 |
| 2002 FV <sub>33</sub>  | 2003 09 26.1 | 00 09.66 -09 57.0 18.4 | -0.96 - 3.3 | 4.6/22.9  | 31493 |
| 2000 EF <sub>170</sub> | 2003 09 26.1 | 00 09.67 -04 56.6 18.0 | -0.98 + 0.4 | 1.9/24.6  | 50467 |
| 2000 CQ <sub>6</sub>   | 2003 09 26.1 | 00 09.76 +39 18.6 19.0 | -0.91 - 2.2 | 9.7/11.3  | 33199 |
| 2000 DT <sub>68</sub>  | 2003 09 26.1 | 00 09.79 +07 27.0 19.1 | -0.86 - 2.3 | 2.0/28.1  | 19524 |
| 2000 US <sub>74</sub>  | 2003 09 26.1 | 00 09.79 -03 45.7 19.1 | -1.02 - 4.5 | 1.8/24.8  | 50500 |
| 1999 XH <sub>36</sub>  | 2003 09 26.1 | 00 09.80 -14 46.0 17.8 | -0.83 - 3.3 | 5.1/21.0  | 50442 |
| 2003 OM <sub>31</sub>  | 2003 09 26.2 | 00 09.74 +10 01.5 17.8 | -1.00 - 2.9 | 3.9/28.9  | 50274 |
| 2000 AP <sub>172</sub> | 2003 09 26.2 | 00 09.92 -14 19.7 18.1 | -0.78 - 7.8 | 5.6/20.5  | 50454 |
| 1999 JD <sub>57</sub>  | 2003 09 26.2 | 00 09.97 -10 05.1 18.5 | -0.93 - 6.5 | 4.8/22.6  | 50409 |
| 1999 TX <sub>195</sub> | 2003 09 26.2 | 00 10.02 +12 01.7 18.4 | -0.86 - 3.6 | 4.9/29.8  | 49718 |
| 1998 BR <sub>35</sub>  | 2003 09 26.2 | 00 10.04 -08 27.0 19.3 | -0.88 - 7.4 | 3.6/23.0  | 50381 |
| 2000 BD <sub>18</sub>  | 2003 09 26.2 | 00 10.09 -00 02.5 19.0 | -0.77 - 3.6 | 0.3/25.9  | 33860 |
| 2002 GP <sub>95</sub>  | 2003 09 26.2 | 00 10.12 +06 06.1 18.7 | -0.92 - 4.4 | 1.8/27.9  | 50604 |
| 2002 JM <sub>12</sub>  | 2003 09 26.2 | 00 10.16 +06 28.0 19.4 | -0.92 - 6.9 | 1.9/28.1  | 33996 |
| 2000 WX <sub>41</sub>  | 2003 09 26.3 | 00 10.11 -03 00.5 18.7 | -0.94 - 5.6 | 1.6/25.0  | 34973 |
| 2002 JK <sub>49</sub>  | 2003 09 26.3 | 00 10.12 +11 04.3 19.4 | -0.96 - 6.0 | 3.6/29.6  | 32021 |
| 2000 YA <sub>11</sub>  | 2003 09 26.3 | 00 10.19 -18 43.5 19.1 | -0.88 - 4.8 | 6.6/19.6  | 33888 |
| 1999 VA <sub>94</sub>  | 2003 09 26.3 | 00 10.21 -04 08.4 18.7 | -0.91 - 3.7 | 2.2/24.7  | 50436 |
| 2000 WB <sub>178</sub> | 2003 09 26.3 | 00 10.22 +11 16.0 18.4 | -0.93 - 7.7 | 4.0/29.8  | 50509 |

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M.P.C. 49725

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 TN <sub>134</sub> | 2003 09 26.3 | 00 10.24 +01 21.8 18.8 | -0.93 - 4.2 | 0.1/26.4  | 31868 |
| 2002 JL <sub>132</sub> | 2003 09 26.3 | 00 10.25 -10 55.0 20.8 | -1.00 - 1.6 | 4.2/23.0  | 31748 |
| 1998 FV <sub>108</sub> | 2003 09 26.3 | 00 10.27 +09 11.4 18.6 | -0.97 - 5.5 | 3.1/28.9  | 31813 |
| 2000 YL <sub>49</sub>  | 2003 09 26.3 | 00 10.29 +11 35.7 18.0 | -0.95 - 5.2 | 4.1/29.7  | 50512 |
| 2000 XV <sub>6</sub>   | 2003 09 26.3 | 00 10.29 +11 07.7 18.4 | -1.02 - 4.2 | 4.0/29.4  | 50509 |
| 2001 CC <sub>10</sub>  | 2003 09 26.3 | 00 10.30 +11 35.8 20.0 | -0.81 - 6.9 | 3.4/30.1  | 35007 |
| 2001 FC <sub>14</sub>  | 2003 09 26.3 | 00 10.39 -01 07.0 18.4 | -0.77 - 3.5 | 0.6/25.6  | 50527 |
| 2001 BA <sub>17</sub>  | 2003 09 26.3 | 00 10.44 -17 30.8 19.2 | -0.88 - 3.6 | 6.0/20.3  | 31390 |
| 2001 AT <sub>9</sub>   | 2003 09 26.3 | 00 10.52 -16 21.3 19.9 | -0.80 - 7.4 | 5.3/20.1  | 33891 |
| 2000 CB <sub>41</sub>  | 2003 09 26.4 | 00 10.47 +11 02.1 20.2 | -0.77 - 3.2 | 2.6/29.6  | 2736  |
| 2001 BW <sub>14</sub>  | 2003 09 26.4 | 00 10.49 +01 32.3 19.6 | -0.87 - 5.6 | 0.1/26.5  | 50518 |
| 2002 JJ <sub>94</sub>  | 2003 09 26.4 | 00 10.50 -01 35.9 20.3 | -0.89 - 4.7 | 0.9/25.5  | 48236 |
| 2000 VC <sub>42</sub>  | 2003 09 26.4 | 00 10.51 +00 23.1 18.5 | -1.04 - 3.7 | 0.4/26.2  | 31921 |
| 1999 WV <sub>14</sub>  | 2003 09 26.4 | 00 10.52 +08 33.2 18.6 | -0.80 - 6.5 | 2.5/29.0  | 1545  |
| 2002 BD <sub>2</sub>   | 2003 09 26.4 | 00 10.55 +24 07.1 19.2 | -1.55 + 2.4 | 10.7/01.8 | 30629 |
| 2001 EG <sub>12</sub>  | 2003 09 26.4 | 00 10.61 -06 47.7 19.9 | -0.90 - 5.5 | 2.6/23.8  | 15095 |
| 2002 GD <sub>102</sub> | 2003 09 26.4 | 00 10.61 -03 27.2 18.0 | -0.76 -11.1 | 1.6/24.7  | 31574 |
| 1993 FU <sub>49</sub>  | 2003 09 26.4 | 00 10.62 +03 25.6 18.2 | -0.85 - 6.0 | 0.8/27.2  | 50368 |
| 2001 BM <sub>77</sub>  | 2003 09 26.4 | 00 10.63 -12 46.9 18.5 | -0.67 - 9.1 | 3.8/21.1  | 50520 |
| 2001 DD <sub>44</sub>  | 2003 09 26.4 | 00 10.73 +12 43.0 18.9 | -1.01 - 1.9 | 4.0/29.8  | 12299 |
| 2001 FT <sub>15</sub>  | 2003 09 26.4 | 00 10.75 -01 26.7 20.1 | -1.03 - 2.2 | 0.9/25.7  | 15096 |
| 2001 FD <sub>179</sub> | 2003 09 26.4 | 00 10.75 -17 22.4 18.3 | -0.77 - 4.7 | 5.5/20.0  | 13387 |
| 2000 VJ <sub>28</sub>  | 2003 09 26.4 | 00 10.76 -12 40.0 18.8 | -0.96 - 5.3 | 4.7/22.0  | 33885 |
| 1999 BH <sub>2</sub>   | 2003 09 26.4 | 00 10.79 -18 23.6 17.5 | -0.80 -24.8 | 8.4/17.5  | 50402 |
| 1999 RR <sub>89</sub>  | 2003 09 26.4 | 00 10.81 -02 27.3 18.0 | -0.94 - 2.9 | 1.6/25.4  | 50416 |
| 2002 EL <sub>60</sub>  | 2003 09 26.4 | 00 10.81 +03 08.5 19.7 | -0.91 - 8.3 | 0.8/27.2  | 50597 |
| 2000 AK <sub>134</sub> | 2003 09 26.4 | 00 10.84 +07 33.4 19.9 | -0.78 - 3.9 | 1.8/28.6  | 27658 |
| 1999 JR <sub>4</sub>   | 2003 09 26.4 | 00 10.87 -10 58.8 18.8 | -1.09 - 2.7 | 5.0/23.1  | 29030 |
| 2000 XB <sub>21</sub>  | 2003 09 26.4 | 00 10.90 -01 47.3 18.1 | -1.06 - 3.0 | 1.2/25.7  | 29611 |
| 2001 BG <sub>69</sub>  | 2003 09 26.5 | 00 10.83 -17 22.8 18.6 | -0.77 - 8.8 | 6.3/19.4  | 50520 |
| 2002 CD <sub>152</sub> | 2003 09 26.5 | 00 10.92 -00 51.3 18.4 | -0.96 - 4.3 | 0.9/25.9  | 50593 |
| 2003 QB <sub>11</sub>  | 2003 09 26.5 | 00 10.96 -07 28.2 17.6 | -0.71 -10.6 | 3.1/23.2  | 50293 |
| 1999 VG <sub>215</sub> | 2003 09 26.5 | 00 10.97 +19 56.2 18.6 | -1.03 - 0.5 | 8.1/02.1  | 50440 |
| 2002 FX <sub>38</sub>  | 2003 09 26.5 | 00 10.97 -10 45.7 19.5 | -1.42 + 3.4 | 4.9/24.2  | 31990 |
| 2001 BX <sub>74</sub>  | 2003 09 26.5 | 00 10.98 +00 58.4 18.7 | -0.99 - 1.7 | 0.1/26.5  | 50520 |
| 2000 VR <sub>14</sub>  | 2003 09 26.5 | 00 11.01 -09 58.9 17.9 | -0.96 - 4.7 | 5.3/23.1  | 50501 |
| 2001 DP                | 2003 09 26.5 | 00 11.05 +02 39.1 18.8 | -0.76 - 5.0 | 0.5/27.0  | 50522 |
| 2001 HY <sub>32</sub>  | 2003 09 26.5 | 00 11.07 -03 08.0 19.4 | -0.75 - 3.6 | 1.2/25.2  | 48029 |
| 2002 HH                | 2003 09 26.5 | 00 11.08 -03 47.4 19.1 | -0.82 - 6.9 | 1.7/24.9  | 30157 |
| 2002 AB <sub>62</sub>  | 2003 09 26.5 | 00 11.16 +00 51.2 18.6 | -0.96 - 7.0 | 0.1/26.5  | 50586 |
| 2000 VC <sub>38</sub>  | 2003 09 26.5 | 00 11.26 -16 37.2 18.4 | -1.00 - 5.0 | 7.5/20.6  | 50502 |
| 2003 QK <sub>60</sub>  | 2003 09 26.6 | 00 11.20 -08 02.8 19.0 | -0.74 - 9.2 | 3.6/23.2  | 50316 |
| 2000 YU <sub>22</sub>  | 2003 09 26.6 | 00 11.22 -11 00.2 19.1 | -0.88 - 7.4 | 5.1/22.3  | 50511 |
| 2131 P-L               | 2003 09 26.6 | 00 11.24 +03 39.0 18.1 | -0.91 - 4.7 | 1.1/27.4  | 33735 |
| 1998 FH <sub>68</sub>  | 2003 09 26.6 | 00 11.37 +00 28.8 19.5 | -0.95 - 5.1 | 0.3/26.4  | 9069  |
| 2002 CR <sub>168</sub> | 2003 09 26.6 | 00 11.38 -11 01.8 20.3 | -0.95 - 6.2 | 4.3/22.7  | 48208 |
| 2002 GV <sub>102</sub> | 2003 09 26.6 | 00 11.38 -04 55.7 20.0 | -0.78 - 9.9 | 2.1/24.4  | 50604 |
| 1999 TV <sub>141</sub> | 2003 09 26.6 | 00 11.44 +03 30.3 19.1 | -0.80 - 8.1 | 0.9/27.5  | 33104 |
| 2000 AC <sub>148</sub> | 2003 09 26.6 | 00 11.47 +12 58.3 18.9 | -0.76 - 4.2 | 3.2/30.6  | 50454 |
| 2002 JY <sub>118</sub> | 2003 09 26.6 | 00 11.52 -21 01.4 19.0 | -0.96 - 3.1 | 7.9/19.7  | 50611 |
| 2000 AF <sub>16</sub>  | 2003 09 26.6 | 00 11.53 +27 15.4 17.3 | -0.83 - 2.4 | 11.6/05.9 | 49774 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1998 BO <sub>41</sub>  | 2003 09 26.6 | 00 11.56 +13 43.1 20.2 | -1.04 - 3.7 | 4.1/30.5  | 33764 |
| 2001 HL <sub>15</sub>  | 2003 09 26.6 | 00 11.58 +18 06.3 18.3 | -0.93 - 2.7 | 5.8/02.0  | 31947 |
| 1998 CE <sub>5</sub>   | 2003 09 26.6 | 00 11.61 +02 19.8 19.1 | -0.95 - 5.3 | 0.4/27.0  | 50381 |
| 2001 CZ <sub>27</sub>  | 2003 09 26.6 | 00 11.62 +02 09.9 18.6 | -0.86 - 2.1 | 0.3/27.0  | 49898 |
| 2002 GB <sub>1</sub>   | 2003 09 26.7 | 00 11.55 -10 29.1 19.5 | -0.88 - 6.5 | 4.3/22.8  | 31990 |
| 2001 FZ <sub>29</sub>  | 2003 09 26.7 | 00 11.55 +18 08.4 18.8 | -0.75 - 5.2 | 4.7/02.8  | 50528 |
| 1993 TO <sub>29</sub>  | 2003 09 26.7 | 00 11.56 +01 22.4 18.5 | -0.81 -10.5 | 0.1/26.7  | 50369 |
| 2000 AQ <sub>243</sub> | 2003 09 26.7 | 00 11.58 -20 38.2 20.0 | -0.72 - 7.0 | 6.2/18.2  | 50456 |
| 1999 VG <sub>188</sub> | 2003 09 26.7 | 00 11.64 -03 26.3 18.7 | -0.81 - 5.9 | 1.6/25.1  | 50439 |
| 1999 XN <sub>41</sub>  | 2003 09 26.7 | 00 11.68 -03 13.7 19.1 | -0.80 - 6.1 | 1.6/25.2  | 50442 |
| 2002 EN <sub>138</sub> | 2003 09 26.7 | 00 11.80 -01 15.5 19.6 | -0.91 - 6.6 | 1.0/25.9  | 48223 |
| 2001 AD                | 2003 09 26.7 | 00 11.81 -00 38.7 20.2 | -0.98 - 5.8 | 0.8/26.2  | 48003 |
| 2002 FW <sub>2</sub>   | 2003 09 26.7 | 00 11.81 -02 48.2 19.2 | -1.04 - 3.7 | 1.6/25.6  | 30091 |
| 1999 RY <sub>112</sub> | 2003 09 26.7 | 00 11.81 +05 28.0 18.5 | -0.88 - 4.3 | 1.9/28.1  | 49682 |
| 2001 AT <sub>44</sub>  | 2003 09 26.7 | 00 11.81 -06 27.4 18.3 | -0.90 - 7.2 | 3.4/24.1  | 49884 |
| 2001 DN <sub>63</sub>  | 2003 09 26.7 | 00 11.82 +07 04.7 19.4 | -0.86 - 4.2 | 2.0/28.6  | 50524 |
| 1999 VG <sub>90</sub>  | 2003 09 26.7 | 00 11.87 -03 22.5 18.3 | -0.90 - 2.9 | 2.0/25.4  | 50436 |
| 2001 FR <sub>175</sub> | 2003 09 26.7 | 00 11.88 -15 59.4 19.0 | -0.76 - 4.2 | 5.1/20.9  | 50532 |
| 1999 TX <sub>25</sub>  | 2003 09 26.7 | 00 11.89 +16 34.4 18.6 | -0.75 -12.8 | 5.2/03.0  | 50423 |
| 2001 AP <sub>35</sub>  | 2003 09 26.7 | 00 11.90 -05 04.9 19.5 | -0.96 - 4.4 | 2.2/24.8  | 43396 |
| 2000 CZ <sub>48</sub>  | 2003 09 26.7 | 00 11.91 -04 31.4 19.9 | -0.73 - 7.7 | 1.7/24.7  | 47850 |
| 2002 JE <sub>15</sub>  | 2003 09 26.7 | 00 11.93 -20 15.2 20.0 | -0.93 - 2.2 | 7.2/20.2  | 50607 |
| 2001 BO <sub>76</sub>  | 2003 09 26.7 | 00 11.95 +19 35.5 20.0 | -0.80 - 5.8 | 5.2/03.4  | 18311 |
| 2002 KF                | 2003 09 26.8 | 00 11.91 -15 50.9 19.7 | -0.85 - 6.1 | 5.3/21.0  | 34009 |
| 2000 YZ <sub>67</sub>  | 2003 09 26.8 | 00 11.96 -24 37.8 19.9 | -0.77 - 8.8 | 7.5/16.5  | 12263 |
| 2002 JW <sub>1</sub>   | 2003 09 26.8 | 00 11.98 -00 16.4 19.4 | -0.88 - 5.1 | 0.6/26.3  | 48232 |
| 2000 CE <sub>92</sub>  | 2003 09 26.8 | 00 12.05 +00 00.2 18.3 | -0.75 - 3.8 | 0.4/26.4  | 50459 |
| 2000 YP <sub>32</sub>  | 2003 09 26.8 | 00 12.14 -46 03.3 17.7 | -0.59 - 5.4 | 29.0/21.0 | 50512 |
| 2001 DV <sub>1</sub>   | 2003 09 26.8 | 00 12.17 +01 14.0 20.4 | -0.85 - 5.3 | 0.0/26.8  | 48010 |
| 2000 AQ <sub>185</sub> | 2003 09 26.8 | 00 12.20 +02 21.2 17.7 | -0.77 - 9.9 | 0.3/27.2  | 50454 |
| 2000 WR <sub>118</sub> | 2003 09 26.8 | 00 12.23 -09 58.2 19.9 | -0.93 - 4.5 | 3.9/23.3  | 47991 |
| 2000 AJ <sub>84</sub>  | 2003 09 26.8 | 00 12.24 +03 23.1 18.3 | -0.73 - 5.8 | 0.6/27.6  | 13645 |
| 2001 DV <sub>71</sub>  | 2003 09 26.8 | 00 12.25 +06 41.3 19.3 | -0.94 - 3.5 | 1.8/28.5  | 13816 |
| 2002 CG <sub>217</sub> | 2003 09 26.8 | 00 12.28 -07 24.4 20.1 | -0.92 - 7.3 | 3.2/24.0  | 31970 |
| 1999 UW <sub>3</sub>   | 2003 09 26.8 | 00 12.29 -02 35.4 18.7 | -0.81 - 6.1 | 1.7/25.6  | 50431 |
| 2000 YE <sub>97</sub>  | 2003 09 26.8 | 00 12.29 +01 00.3 18.2 | -0.93 - 5.4 | 0.1/26.8  | 50514 |
| 2000 YR <sub>128</sub> | 2003 09 26.8 | 00 12.33 +02 30.3 20.0 | -0.90 - 4.6 | 0.4/27.3  | 50515 |
| 2002 GQ <sub>164</sub> | 2003 09 26.9 | 00 12.40 +00 23.5 20.6 | -0.81 - 6.9 | 0.3/26.6  | 31607 |
| 2000 WY <sub>180</sub> | 2003 09 26.9 | 00 12.45 +12 30.9 18.9 | -0.98 - 5.9 | 4.3/30.6  | 50509 |
| 2000 AD <sub>124</sub> | 2003 09 26.9 | 00 12.49 -19 22.8 19.4 | -0.70 - 5.9 | 4.9/19.2  | 2718  |
| 1998 RF <sub>20</sub>  | 2003 09 26.9 | 00 12.50 -10 12.6 18.2 | -0.66 -11.4 | 4.2/22.3  | 50390 |
| 2001 AQ                | 2003 09 26.9 | 00 12.51 -08 57.5 20.0 | -0.92 - 6.6 | 4.1/23.5  | 12267 |
| 2002 JN <sub>115</sub> | 2003 09 26.9 | 00 12.52 +06 28.0 19.4 | -0.88 - 8.2 | 1.9/28.7  | 31740 |
| 1999 XL <sub>190</sub> | 2003 09 26.9 | 00 12.54 +11 39.4 18.4 | -0.89 - 3.3 | 3.9/30.2  | 49768 |
| 1998 JS <sub>2</sub>   | 2003 09 26.9 | 00 12.61 -11 32.7 18.9 | -0.91 - 5.5 | 4.1/22.7  | 50386 |
| 2001 CO                | 2003 09 26.9 | 00 12.64 +00 48.5 19.1 | -0.88 - 8.3 | 0.2/26.8  | 50520 |
| 2002 DK <sub>18</sub>  | 2003 09 26.9 | 00 12.66 -07 06.1 18.0 | -1.60 + 4.7 | 4.0/25.5  | 31976 |
| 2001 FV <sub>190</sub> | 2003 09 26.9 | 00 12.67 -11 50.8 19.7 | -0.81 - 6.1 | 4.4/22.4  | 48027 |
| 2000 WZ <sub>74</sub>  | 2003 09 27.0 | 00 12.65 +01 02.6 18.1 | -1.02 - 4.6 | 0.1/26.9  | 50506 |
| 2001 FV <sub>51</sub>  | 2003 09 27.0 | 00 12.66 +01 09.2 19.5 | -0.71 - 5.3 | 0.1/26.9  | 35546 |
| 1999 XJ <sub>17</sub>  | 2003 09 27.0 | 00 12.78 +49 14.2 18.9 | -1.20 + 3.3 | 19.0/12.8 | 38833 |

|                        |              |                        |             |           |       |                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|------------------------|--------------|------------------------|-------------|-----------|-------|
| 1999 VN <sub>82</sub>  | 2003 09 27.0 | 00 12.81 +09 54.9 18.8 | -0.78 - 9.9 | 2.9/30.2  | 11652 | 1997 MB <sub>6</sub>   | 2003 09 27.3 | 00 13.73 +11 29.9 19.5 | -0.71 - 6.6 | 2.9/30.9  | 47713 |
| 1999 TP <sub>29</sub>  | 2003 09 27.0 | 00 12.86 +02 54.3 18.0 | -0.83 - 6.3 | 0.6/27.6  | 50423 | 2001 BN <sub>14</sub>  | 2003 09 27.3 | 00 13.75 -00 51.6 18.4 | -0.91 - 7.5 | 0.9/26.5  | 12273 |
| 1999 VR <sub>69</sub>  | 2003 09 27.0 | 00 12.88 -11 03.9 17.9 | -0.96 - 1.3 | 5.3/23.4  | 50435 | 1999 RN <sub>207</sub> | 2003 09 27.3 | 00 13.75 +13 45.6 19.2 | -0.99 - 3.5 | 3.9/01.1  | 50420 |
| 2002 JU <sub>48</sub>  | 2003 09 27.0 | 00 12.89 -02 04.9 20.1 | -0.96 - 4.9 | 1.2/26.0  | 32021 | 2002 JU <sub>12</sub>  | 2003 09 27.3 | 00 13.77 -07 40.6 19.7 | -0.87 - 4.9 | 3.2/24.4  | 31625 |
| 1999 RA <sub>111</sub> | 2003 09 27.0 | 00 12.90 +03 30.4 18.4 | -1.25 + 2.2 | 0.7/27.5  | 50417 | 1999 VX <sub>210</sub> | 2003 09 27.3 | 00 13.77 +07 58.7 18.0 | -0.86 - 4.9 | 2.5/29.4  | 33841 |
| 1999 XE <sub>25</sub>  | 2003 09 27.0 | 00 12.95 -00 23.9 18.4 | -0.80 - 6.1 | 0.6/26.5  | 50441 | 2002 GD <sub>75</sub>  | 2003 09 27.3 | 00 13.82 +05 11.6 18.2 | -0.94 - 6.0 | 1.6/28.5  | 50603 |
| 2001 DP <sub>48</sub>  | 2003 09 27.0 | 00 12.97 -12 53.7 19.2 | -0.89 - 4.9 | 4.8/22.4  | 12299 | 1999 TE <sub>293</sub> | 2003 09 27.3 | 00 13.83 +16 16.3 19.7 | -0.86 - 6.7 | 4.8/02.4  | 17064 |
| 1996 RM <sub>15</sub>  | 2003 09 27.0 | 00 12.98 +02 56.3 21.1 | -0.97 - 5.9 | 0.5/27.6  | 6739  | 1999 VM <sub>195</sub> | 2003 09 27.3 | 00 13.86 -04 38.1 18.7 | -0.86 - 4.3 | 2.6/25.4  | 50439 |
| 1999 SO <sub>2</sub>   | 2003 09 27.0 | 00 12.99 +29 45.0 17.3 | -1.61 +14.4 | 14.9/29.1 | 49695 | 1998 WW <sub>14</sub>  | 2003 09 27.3 | 00 13.87 -36 06.1 18.2 | -1.00 + 2.8 | 14.3/15.1 | 47757 |
| 2002 CW <sub>102</sub> | 2003 09 27.0 | 00 12.99 -00 01.9 19.8 | -0.99 - 5.2 | 0.5/26.6  | 48203 | 1998 FX <sub>32</sub>  | 2003 09 27.3 | 00 13.90 +01 16.8 18.9 | -0.93 - 5.2 | 0.1/27.3  | 31812 |
| 1998 XF <sub>26</sub>  | 2003 09 27.0 | 00 13.02 -00 24.5 19.5 | -0.72 - 4.9 | 0.5/26.5  | 47760 | 2001 DX <sub>29</sub>  | 2003 09 27.3 | 00 13.94 -02 02.0 19.9 | -0.89 - 4.9 | 1.2/26.2  | 12296 |
| 2000 WF <sub>167</sub> | 2003 09 27.0 | 00 13.06 -11 17.3 18.3 | -0.98 - 5.3 | 5.6/23.0  | 50508 | 2001 DZ <sub>89</sub>  | 2003 09 27.3 | 00 13.94 +09 54.5 18.3 | -0.77 - 7.5 | 2.7/30.4  | 50525 |
| 1999 TD <sub>197</sub> | 2003 09 27.1 | 00 12.98 -13 07.2 18.1 | -1.05 + 2.3 | 6.6/23.6  | 50428 | 2000 EQ <sub>122</sub> | 2003 09 27.3 | 00 13.96 -03 28.9 17.8 | -0.66 - 9.5 | 1.6/25.4  | 50466 |
| 2000 DK <sub>35</sub>  | 2003 09 27.1 | 00 13.00 -05 20.4 19.0 | -0.71 - 6.1 | 2.2/24.7  | 49790 | 1996 NN <sub>1</sub>   | 2003 09 27.3 | 00 13.99 +47 01.1 18.4 | -1.44 + 0.7 | 19.0/18.3 | 49641 |
| 2001 FG <sub>169</sub> | 2003 09 27.1 | 00 13.06 -03 26.4 19.3 | -0.65 - 6.9 | 1.1/25.4  | 35551 | 3381 T-3               | 2003 09 27.3 | 00 14.01 -02 15.8 18.0 | -0.96 - 4.5 | 1.6/26.2  | 50812 |
| 2002 EP <sub>146</sub> | 2003 09 27.1 | 00 13.06 -02 47.7 20.3 | -0.95 - 4.6 | 1.4/25.8  | 33974 | 2000 YC <sub>95</sub>  | 2003 09 27.3 | 00 14.02 -04 06.0 20.5 | -0.91 - 6.3 | 2.0/25.5  | 9530  |
| 2001 DK <sub>36</sub>  | 2003 09 27.1 | 00 13.07 -00 22.3 19.6 | -0.82 - 6.4 | 0.6/26.5  | 13814 | 1998 RL <sub>68</sub>  | 2003 09 27.3 | 00 14.04 +03 11.9 18.3 | -0.98 + 0.5 | 0.7/27.8  | 50391 |
| 2002 LN <sub>53</sub>  | 2003 09 27.1 | 00 13.07 +18 28.0 19.6 | -0.69 - 9.7 | 4.9/04.0  | 34018 | 2002 GW <sub>168</sub> | 2003 09 27.3 | 00 14.05 -04 11.1 19.4 | -1.07 - 3.2 | 2.3/25.7  | 33558 |
| 2000 VK <sub>31</sub>  | 2003 09 27.1 | 00 13.11 -02 10.0 19.4 | -0.98 - 6.0 | 1.5/26.0  | 50502 | 2001 CQ <sub>44</sub>  | 2003 09 27.3 | 00 14.14 -12 48.3 19.4 | -1.00 - 2.4 | 4.9/23.1  | 13812 |
| 2000 DS <sub>94</sub>  | 2003 09 27.1 | 00 13.12 +20 42.6 18.1 | -0.98 + 0.3 | 5.8/02.7  | 40469 | 2000 WG <sub>132</sub> | 2003 09 27.4 | 00 14.11 -37 21.7 19.2 | -1.03 - 7.0 | 13.1/11.0 | 33887 |
| 1999 XL <sub>239</sub> | 2003 09 27.1 | 00 13.16 +26 37.1 18.4 | -0.91 - 4.5 | 9.2/06.5  | 50448 | 1999 VC <sub>18</sub>  | 2003 09 27.4 | 00 14.11 +01 07.7 20.6 | -0.90 - 4.1 | 0.1/27.3  | 12976 |
| 2001 BZ <sub>7</sub>   | 2003 09 27.1 | 00 13.20 -05 10.5 19.7 | -0.97 - 4.5 | 2.7/25.1  | 48005 | 1999 TR <sub>282</sub> | 2003 09 27.4 | 00 14.13 -01 45.1 18.6 | -0.82 - 7.2 | 1.2/26.3  | 50431 |
| 2002 JH <sub>15</sub>  | 2003 09 27.1 | 00 13.22 -17 33.9 18.1 | -0.84 - 3.3 | 7.4/20.9  | 50607 | 1999 WC <sub>26</sub>  | 2003 09 27.4 | 00 14.15 -10 05.3 19.3 | -0.84 - 4.1 | 3.9/23.7  | 33842 |
| 1999 XY <sub>84</sub>  | 2003 09 27.1 | 00 13.27 +03 06.3 17.9 | -0.79 - 5.8 | 0.7/27.7  | 50443 | 2001 BU <sub>66</sub>  | 2003 09 27.4 | 00 14.16 -03 43.8 20.1 | -0.96 - 2.3 | 1.6/25.9  | 14418 |
| 1996 TK <sub>29</sub>  | 2003 09 27.1 | 00 13.27 +02 08.3 20.2 | -0.93 - 6.2 | 0.2/27.4  | 50376 | 2001 FL <sub>152</sub> | 2003 09 27.4 | 00 14.20 -09 00.9 18.2 | -0.75 - 4.4 | 3.4/23.9  | 50531 |
| 2912 T-2               | 2003 09 27.1 | 00 13.28 +02 13.8 18.9 | -0.94 - 4.8 | 0.4/27.4  | 50811 | 2000 AQ <sub>8</sub>   | 2003 09 27.4 | 00 14.30 -02 18.5 19.5 | -0.92 - 3.5 | 1.5/26.3  | 12223 |
| 1999 XJ <sub>151</sub> | 2003 09 27.1 | 00 13.29 -04 11.4 19.1 | -0.98 - 3.7 | 2.0/25.5  | 47833 | 2000 YO <sub>58</sub>  | 2003 09 27.4 | 00 14.30 +03 17.7 18.3 | -0.93 - 6.2 | 0.8/28.0  | 50513 |
| 2000 VC <sub>2</sub>   | 2003 09 27.1 | 00 13.35 -32 26.6 19.5 | -1.25 - 2.1 | 11.4/15.4 | 14417 | 1999 TZ <sub>66</sub>  | 2003 09 27.4 | 00 14.40 +11 07.5 19.8 | -0.79 - 8.8 | 3.0/31.0  | 15050 |
| 2001 AN <sub>23</sub>  | 2003 09 27.1 | 00 13.35 -07 40.5 20.0 | -0.83 - 6.6 | 3.0/24.1  | 48004 | 1999 TT <sub>55</sub>  | 2003 09 27.4 | 00 14.42 -07 55.5 18.6 | -0.99 - 1.4 | 3.1/24.8  | 30319 |
| 2001 FS <sub>52</sub>  | 2003 09 27.1 | 00 13.40 -00 53.1 19.4 | -0.95 - 2.4 | 0.7/26.5  | 13831 | 4039 T-2               | 2003 09 27.4 | 00 14.47 -00 45.8 19.3 | -0.90 - 6.8 | 0.8/26.7  | 50811 |
| 2001 BY <sub>4</sub>   | 2003 09 27.2 | 00 13.34 -19 54.7 18.0 | -0.86 - 6.2 | 7.1/19.5  | 12272 | 1999 RN <sub>138</sub> | 2003 09 27.4 | 00 14.47 +24 55.1 18.3 | -1.03 - 4.6 | 8.7/05.8  | 50418 |
| 1998 AC <sub>1</sub>   | 2003 09 27.2 | 00 13.37 +08 51.0 17.8 | -1.08 - 3.4 | 3.0/29.3  | 50380 | 2001 DL <sub>6</sub>   | 2003 09 27.4 | 00 14.47 -17 04.2 19.9 | -0.83 - 6.2 | 5.6/20.9  | 50523 |
| 2000 VT <sub>49</sub>  | 2003 09 27.2 | 00 13.37 -08 56.2 18.3 | -1.03 - 3.7 | 4.3/24.1  | 50503 | 2001 DA <sub>34</sub>  | 2003 09 27.5 | 00 14.47 -01 35.1 19.8 | -0.88 - 4.4 | 1.0/26.5  | 11878 |
| 2002 JP <sub>28</sub>  | 2003 09 27.2 | 00 13.37 +00 53.0 18.8 | -0.88 - 7.0 | 0.2/27.0  | 50608 | 1999 RK <sub>110</sub> | 2003 09 27.5 | 00 14.48 +22 12.7 18.0 | -0.99 - 2.8 | 7.7/04.2  | 50417 |
| 1999 VY <sub>170</sub> | 2003 09 27.2 | 00 13.38 +09 58.7 18.8 | -0.83 - 5.0 | 2.9/30.0  | 50438 | 2000 YQ <sub>88</sub>  | 2003 09 27.5 | 00 14.49 +12 35.8 16.9 | -0.93 - 3.9 | 5.4/01.0  | 50514 |
| 2000 YC <sub>7</sub>   | 2003 09 27.2 | 00 13.40 -10 50.5 19.4 | -0.94 - 4.7 | 4.4/23.3  | 31929 | 2002 JC <sub>17</sub>  | 2003 09 27.5 | 00 14.54 -10 38.5 19.7 | -0.97 - 3.9 | 4.5/23.8  | 31631 |
| 2002 CV <sub>97</sub>  | 2003 09 27.2 | 00 13.43 +04 18.6 17.6 | -1.11 - 1.3 | 1.4/28.0  | 49987 | 2002 JR <sub>68</sub>  | 2003 09 27.5 | 00 14.58 -17 02.2 19.5 | -1.00 - 2.1 | 6.2/22.2  | 35577 |
| 1999 VB <sub>69</sub>  | 2003 09 27.2 | 00 13.46 +13 29.5 18.0 | -0.76 -10.1 | 4.6/01.9  | 50435 | 1999 YP <sub>1</sub>   | 2003 09 27.5 | 00 14.62 -10 50.9 18.7 | -0.76 -11.3 | 4.7/22.6  | 50449 |
| 1999 TM <sub>120</sub> | 2003 09 27.2 | 00 13.46 +01 07.3 17.9 | -1.14 + 2.1 | 0.1/27.1  | 50426 | 2000 WK <sub>48</sub>  | 2003 09 27.5 | 00 14.69 -24 39.3 18.5 | -0.94 - 5.8 | 10.4/17.8 | 50505 |
| 2001 DX <sub>7</sub>   | 2003 09 27.2 | 00 13.47 -12 25.8 20.5 | -0.82 - 8.0 | 4.2/22.2  | 12293 | 2002 GB <sub>127</sub> | 2003 09 27.5 | 00 14.70 -02 42.1 18.9 | -0.88 - 5.5 | 1.7/26.2  | 50605 |
| 1999 RL <sub>67</sub>  | 2003 09 27.2 | 00 13.50 +04 02.7 18.2 | -0.91 - 6.3 | 0.9/28.1  | 50416 | 2000 PV <sub>6</sub>   | 2003 09 27.5 | 00 14.81 +38 03.2 17.9 | -1.26 - 2.6 | 15.9/10.6 | 50479 |
| 2001 FR <sub>126</sub> | 2003 09 27.2 | 00 13.60 -03 44.3 19.2 | -0.68 - 9.0 | 1.5/25.3  | 50531 | 2002 EU <sub>68</sub>  | 2003 09 27.5 | 00 14.82 +03 57.6 19.4 | -0.94 - 9.1 | 0.9/28.4  | 50597 |
| 2001 FA <sub>45</sub>  | 2003 09 27.2 | 00 13.60 -01 25.0 18.7 | -0.77 - 5.7 | 0.9/26.3  | 50528 | 2002 LW <sub>26</sub>  | 2003 09 27.5 | 00 14.82 +00 17.5 18.2 | -0.68 - 7.6 | 0.4/27.1  | 50613 |
| 5727 T-3               | 2003 09 27.2 | 00 13.61 -20 28.4 19.1 | -0.91 - 2.9 | 6.6/20.2  | 50813 | 1999 UN <sub>12</sub>  | 2003 09 27.5 | 00 14.83 +07 51.9 18.6 | -0.91 - 5.0 | 2.5/29.6  | 49731 |
| 1998 WK <sub>31</sub>  | 2003 09 27.2 | 00 13.67 +14 39.2 17.6 | -0.70 - 7.4 | 4.6/02.2  | 50399 | 2000 AW <sub>100</sub> | 2003 09 27.5 | 00 14.86 -25 02.3 17.7 | -0.92 - 2.0 | 11.0/18.4 | 1562  |
| 1999 TL <sub>212</sub> | 2003 09 27.2 | 00 13.67 -02 06.9 18.8 | -1.03 - 1.2 | 1.4/26.3  | 50429 | 2001 CV <sub>44</sub>  | 2003 09 27.6 | 00 14.80 -24 36.5 18.8 | -0.88 - 4.0 | 9.0/18.3  | 50522 |
| 2002 JC <sub>83</sub>  | 2003 09 27.2 | 00 13.67 +03 51.5 19.7 | -0.94 - 6.3 | 0.9/28.0  | 50610 | 2002 MU <sub>3</sub>   | 2003 09 27.6 | 00 14.81 +01 04.8 17.6 | -0.71 -14.4 | 0.2/27.4  | 50613 |
| 2000 AX <sub>99</sub>  | 2003 09 27.2 | 00 13.71 +04 13.9 18.5 | -0.81 - 7.8 | 1.1/28.2  | 50452 | 2002 GC <sub>60</sub>  | 2003 09 27.6 | 00 14.85 -15 27.1 19.0 | -0.78 - 7.5 | 5.3/21.5  | 31531 |
| 2000 WJ <sub>11</sub>  | 2003 09 27.2 | 00 13.74 -12 06.6 18.1 | -0.99 - 2.7 | 6.0/23.2  | 33305 | 2000 DF <sub>69</sub>  | 2003 09 27.6 | 00 14.88 +00 50.8 18.9 | -0.70 - 6.2 | 0.2/27.4  | 31900 |
| 2000 YW <sub>99</sub>  | 2003 09 27.2 | 00 13.77 +02 28.8 19.3 | -0.93 - 5.3 | 0.4/27.6  | 49873 | 2000 YW <sub>38</sub>  | 2003 09 27.6 | 00 14.90 -07 02.4 16.8 | -0.83 - 7.3 | 4.1/24.6  | 49864 |
| 2000 SU <sub>230</sub> | 2003 09 27.3 | 00 13.71 -02 26.8 18.6 | -1.01 - 4.1 | 1.9/26.1  | 50493 | 1999 XY <sub>163</sub> | 2003 09 27.6 | 00 14.94 +07 11.4 17.7 | -0.84 - 5.1 | 1.8/29.5  | 50446 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2001 DR <sub>13</sub>  | 2003 09 27.6 | 00 14.99 -09 16.7 18.8 | -0.73 - 4.6 | 3.0/24.0  | 13254 |
| 2000 YW <sub>90</sub>  | 2003 09 27.6 | 00 15.05 +02 32.2 19.6 | -0.93 - 6.4 | 0.4/28.0  | 48001 |
| 1998 ER <sub>12</sub>  | 2003 09 27.6 | 00 15.05 -02 53.1 20.0 | -0.93 - 6.7 | 1.6/26.2  | 47724 |
| 2000 ES <sub>35</sub>  | 2003 09 27.6 | 00 15.10 +04 30.8 18.3 | -0.70 - 7.0 | 0.9/28.7  | 50464 |
| 1999 XE <sub>206</sub> | 2003 09 27.6 | 00 15.15 -12 42.7 19.0 | -0.81 - 2.8 | 4.1/23.1  | 50447 |
| 2002 CA <sub>82</sub>  | 2003 09 27.6 | 00 15.16 -02 04.3 19.8 | -0.98 - 7.5 | 1.5/26.5  | 33529 |
| 2001 BQ <sub>4</sub>   | 2003 09 27.6 | 00 15.17 -19 05.6 19.5 | -0.88 - 4.4 | 6.4/20.7  | 12272 |
| 2001 FZ <sub>16</sub>  | 2003 09 27.6 | 00 15.17 -01 34.9 19.9 | -0.70 - 4.8 | 0.8/26.6  | 35036 |
| 2000 YG <sub>124</sub> | 2003 09 27.6 | 00 15.17 -08 26.1 19.7 | -0.97 - 5.6 | 3.8/24.5  | 50515 |
| 2002 LA <sub>23</sub>  | 2003 09 27.7 | 00 15.15 +00 37.9 18.1 | -0.76 - 4.2 | 0.3/27.4  | 48239 |
| 2002 QC <sub>11</sub>  | 2003 09 27.7 | 00 15.15 +32 32.9 21.2 | -0.89 - 1.9 | 7.1/08.8  | 35352 |
| 2001 DA <sub>43</sub>  | 2003 09 27.7 | 00 15.18 -04 36.9 19.5 | -0.78 - 7.2 | 2.1/25.5  | 33898 |
| 2000 WE <sub>123</sub> | 2003 09 27.7 | 00 15.21 -04 36.5 19.3 | -0.92 - 5.3 | 2.2/25.7  | 9428  |
| 2002 LR <sub>4</sub>   | 2003 09 27.7 | 00 15.24 -11 57.2 20.9 | -0.78 - 5.2 | 3.9/23.1  | 50612 |
| 2001 AK <sub>15</sub>  | 2003 09 27.7 | 00 15.25 +24 31.6 18.5 | -0.98 - 3.9 | 8.6/05.3  | 50516 |
| 1999 VH <sub>33</sub>  | 2003 09 27.7 | 00 15.32 +20 17.4 18.2 | -0.75 - 8.9 | 7.4/05.2  | 34802 |
| 2001 BE <sub>41</sub>  | 2003 09 27.7 | 00 15.51 +11 12.5 18.5 | -0.93 - 5.1 | 4.2/30.8  | 50519 |
| 1999 UV <sub>9</sub>   | 2003 09 27.7 | 00 15.57 +06 18.9 18.2 | -1.38 + 3.6 | 1.8/28.7  | 49730 |
| 1998 FS <sub>54</sub>  | 2003 09 27.7 | 00 15.58 +01 56.4 17.7 | -1.03 - 3.2 | 0.1/27.9  | 50383 |
| 1981 EZ <sub>4</sub>   | 2003 09 27.8 | 00 15.50 +15 02.2 19.5 | -0.96 - 3.5 | 4.7/02.0  | 47679 |
| 1999 XG <sub>109</sub> | 2003 09 27.8 | 00 15.51 +04 02.8 18.8 | -0.81 - 7.2 | 0.8/28.6  | 1554  |
| 2001 FE <sub>186</sub> | 2003 09 27.8 | 00 15.57 -17 28.1 19.3 | -0.72 - 5.9 | 5.3/20.9  | 18315 |
| 2000 CH <sub>33</sub>  | 2003 09 27.8 | 00 15.68 -00 06.2 19.5 | -0.72 - 4.9 | 0.5/27.2  | 47849 |
| 2001 BR <sub>36</sub>  | 2003 09 27.8 | 00 15.68 -03 27.3 21.2 | -0.81 - 6.9 | 1.5/26.1  | 11035 |
| 2002 GK <sub>114</sub> | 2003 09 27.8 | 00 15.71 -12 00.7 16.9 | -0.88 - 0.6 | 6.1/24.0  | 50063 |
| 2000 WC <sub>169</sub> | 2003 09 27.8 | 00 15.73 +09 00.6 18.3 | -0.88 - 6.7 | 2.6/30.3  | 12257 |
| 2002 JA <sub>128</sub> | 2003 09 27.8 | 00 15.73 -05 02.7 19.4 | -0.84 - 6.0 | 2.4/25.6  | 31747 |
| 1999 WA <sub>12</sub>  | 2003 09 27.8 | 00 15.74 -07 24.2 18.9 | -0.82 - 4.7 | 3.0/24.9  | 37851 |
| 2002 EA <sub>26</sub>  | 2003 09 27.8 | 00 15.75 +06 14.3 18.1 | -0.95 - 5.7 | 2.0/29.3  | 50018 |
| 2000 CL <sub>79</sub>  | 2003 09 27.8 | 00 15.77 +01 49.8 19.2 | -0.75 - 5.0 | 0.0/27.9  | 47851 |
| 2000 YC <sub>15</sub>  | 2003 09 27.8 | 00 15.78 +00 24.0 19.2 | -0.89 - 6.8 | 0.5/27.4  | 47998 |
| 2001 HL <sub>46</sub>  | 2003 09 27.8 | 00 15.79 -01 29.2 20.0 | -0.75 - 4.1 | 0.9/26.8  | 50534 |
| 2000 UN <sub>104</sub> | 2003 09 27.8 | 00 15.84 +08 16.4 17.8 | -1.02 - 4.4 | 2.6/29.9  | 50501 |
| 2000 DO <sub>57</sub>  | 2003 09 27.8 | 00 15.88 +03 47.1 19.1 | -0.78 - 5.5 | 0.7/28.6  | 47857 |
| 2002 HH <sub>11</sub>  | 2003 09 27.9 | 00 15.91 -16 56.3 20.4 | -0.84 - 6.6 | 6.3/21.4  | 48232 |
| 2002 JD <sub>25</sub>  | 2003 09 27.9 | 00 15.95 -01 23.9 18.5 | -0.82 - 6.7 | 1.2/26.9  | 50608 |
| 2001 FA <sub>72</sub>  | 2003 09 27.9 | 00 16.01 -01 48.8 18.7 | -0.70 - 8.0 | 1.0/26.6  | 50529 |
| 2000 CU <sub>81</sub>  | 2003 09 27.9 | 00 16.03 +00 28.0 19.9 | -0.72 - 4.4 | 0.3/27.5  | 47852 |
| 2002 HB                | 2003 09 27.9 | 00 16.06 -01 34.7 16.8 | -1.64 + 8.8 | 1.6/27.5  | 50070 |
| 1999 RJ <sub>62</sub>  | 2003 09 27.9 | 00 16.11 -03 13.1 18.8 | -0.89 - 3.8 | 2.3/26.4  | 47789 |
| 2003 QS <sub>60</sub>  | 2003 09 27.9 | 00 16.16 -05 58.0 18.4 | -0.71 - 5.8 | 2.7/25.3  | 50316 |
| 2000 SJ <sub>123</sub> | 2003 09 27.9 | 00 16.23 -06 26.1 19.3 | -0.97 - 7.7 | 3.3/25.2  | 50491 |
| 2002 CV <sub>115</sub> | 2003 09 27.9 | 00 16.23 +01 36.0 18.2 | -0.87 -24.4 | 0.1/27.9  | 49990 |
| 2002 JA <sub>11</sub>  | 2003 09 27.9 | 00 16.26 -51 07.1 17.3 | -0.72 + 4.8 | 31.5/21.0 | 50607 |
| 2000 YV <sub>87</sub>  | 2003 09 27.9 | 00 16.29 -04 06.1 20.0 | -0.93 - 6.5 | 2.2/26.1  | 48000 |
| 2001 BN <sub>28</sub>  | 2003 09 27.9 | 00 16.30 -00 28.6 19.1 | -0.92 - 7.4 | 0.9/27.2  | 49888 |
| 1999 RW <sub>63</sub>  | 2003 09 28.0 | 00 16.26 -02 35.8 18.8 | -0.79 - 9.0 | 1.8/26.4  | 50416 |
| 1998 WE <sub>38</sub>  | 2003 09 28.0 | 00 16.27 -07 49.1 19.2 | -0.82 - 2.9 | 3.3/25.1  | 50399 |
| 2001 FQ <sub>5</sub>   | 2003 09 28.0 | 00 16.27 +07 26.5 18.7 | -0.89 - 3.2 | 1.8/29.7  | 50527 |
| 2000 YJ <sub>12</sub>  | 2003 09 28.0 | 00 16.37 -44 33.9 20.6 | -1.22 - 0.4 | 17.8/11.0 | 9895  |
| 2002 ER <sub>69</sub>  | 2003 09 28.0 | 00 16.37 +03 15.9 18.5 | -0.87 - 9.1 | 0.6/28.6  | 50026 |

|                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2002 HZ <sub>13</sub>  | 2003 09 28.0 | 00 16.38 -36 28.9 18.6 | -0.79 - 5.0 | 10.9/12.9 | 33995 |
| 1999 XG <sub>16</sub>  | 2003 09 28.0 | 00 16.41 -62 46.3 17.2 | -1.71 +17.0 | 32.9/06.1 | 33843 |
| 2000 AO <sub>70</sub>  | 2003 09 28.0 | 00 16.43 -06 46.3 18.6 | -0.78 - 6.5 | 3.2/25.1  | 50451 |
| 1998 WO <sub>4</sub>   | 2003 09 28.0 | 00 16.47 +06 29.4 17.5 | -0.86 -24.2 | 2.0/30.1  | 50398 |
| 1999 XM <sub>36</sub>  | 2003 09 28.0 | 00 16.47 -08 07.9 16.6 | -1.09 + 1.2 | 4.0/25.6  | 50442 |
| 2002 JK <sub>43</sub>  | 2003 09 28.0 | 00 16.48 +03 10.0 18.7 | -1.01 - 3.2 | 0.5/28.5  | 50608 |
| 2000 YK <sub>97</sub>  | 2003 09 28.0 | 00 16.49 -04 42.9 19.3 | -0.89 - 6.2 | 2.8/25.9  | 50514 |
| 2002 EN <sub>66</sub>  | 2003 09 28.0 | 00 16.49 +01 31.2 19.3 | -0.90 - 7.9 | 0.1/28.0  | 50597 |
| 2002 CK <sub>12</sub>  | 2003 09 28.0 | 00 16.49 +31 43.4 19.3 | -1.67 + 4.6 | 14.5/04.9 | 49972 |
| 2001 CO <sub>33</sub>  | 2003 09 28.0 | 00 16.52 -08 29.1 19.5 | -0.91 - 2.0 | 3.1/25.1  | 48009 |
| 2002 JD <sub>119</sub> | 2003 09 28.0 | 00 16.53 -10 38.3 18.5 | -0.87 - 9.5 | 4.5/23.6  | 32032 |
| 1999 VH <sub>196</sub> | 2003 09 28.0 | 00 16.54 +11 44.3 18.7 | -0.72 -16.4 | 3.4/02.2  | 14378 |
| 5077 T-3               | 2003 09 28.0 | 00 16.58 -05 07.9 18.7 | -0.69 - 8.8 | 2.1/25.5  | 50813 |
| 2001 FR <sub>147</sub> | 2003 09 28.0 | 00 16.59 +12 52.8 19.0 | -0.81 - 3.1 | 3.2/01.7  | 50531 |
| 2000 DH <sub>14</sub>  | 2003 09 28.0 | 00 16.60 +02 21.7 19.5 | -0.76 - 4.6 | 0.2/28.3  | 40461 |
| 2001 AG <sub>8</sub>   | 2003 09 28.0 | 00 16.66 -18 48.0 18.8 | -0.87 - 4.4 | 9.3/21.1  | 50516 |
| 1999 VQ <sub>121</sub> | 2003 09 28.1 | 00 16.59 -02 07.0 19.8 | -0.89 - 4.2 | 1.4/26.9  | 31877 |
| 2002 JO <sub>29</sub>  | 2003 09 28.1 | 00 16.59 +10 02.7 20.4 | -0.84 - 8.6 | 2.7/01.1  | 32018 |
| 2000 YD <sub>143</sub> | 2003 09 28.1 | 00 16.62 -01 42.7 18.2 | -0.85 - 9.3 | 1.4/26.9  | 50516 |
| 1998 RH <sub>49</sub>  | 2003 09 28.1 | 00 16.64 +03 00.7 19.6 | -0.81 - 4.9 | 0.4/28.5  | 49652 |
| 2001 DQ <sub>21</sub>  | 2003 09 28.1 | 00 16.68 -21 18.7 17.5 | -0.78 - 9.8 | 8.5/18.7  | 33897 |
| 2000 XF <sub>8</sub>   | 2003 09 28.1 | 00 16.72 +07 24.3 17.5 | -1.04 - 0.1 | 2.9/29.6  | 50509 |
| 1998 HA <sub>22</sub>  | 2003 09 28.1 | 00 16.74 +06 40.8 19.2 | -0.87 - 7.5 | 1.8/29.8  | 50384 |
| 2002 BC <sub>17</sub>  | 2003 09 28.1 | 00 16.74 +11 19.3 18.1 | -1.01 - 6.2 | 3.7/01.2  | 50589 |
| 1999 XN <sub>113</sub> | 2003 09 28.1 | 00 16.82 +22 26.7 17.6 | -1.01 - 0.4 | 8.7/04.1  | 40417 |
| 1999 JO <sub>70</sub>  | 2003 09 28.1 | 00 16.84 -10 18.4 18.6 | -1.02 - 4.6 | 5.0/24.5  | 50409 |
| 1998 GY <sub>3</sub>   | 2003 09 28.1 | 00 16.96 -20 27.3 17.8 | -0.87 - 5.9 | 8.5/20.6  | 50384 |
| 1995 FU <sub>20</sub>  | 2003 09 28.1 | 00 16.96 -08 31.5 19.7 | -0.68 - 5.9 | 2.6/24.5  | 33757 |
| 1999 VA <sub>178</sub> | 2003 09 28.1 | 00 16.96 -34 48.5 20.1 | -1.40 + 2.4 | 12.3/17.0 | 2688  |
| 1999 YW <sub>8</sub>   | 2003 09 28.1 | 00 16.99 -16 23.4 19.4 | -0.75 - 4.0 | 5.1/22.0  | 14384 |
| 1999 TZ <sub>153</sub> | 2003 09 28.1 | 00 16.99 -08 09.5 18.6 | -0.80 - 2.2 | 4.9/25.1  | 49713 |
| 2001 CB <sub>34</sub>  | 2003 09 28.2 | 00 16.95 -12 56.7 20.2 | -0.94 - 3.1 | 4.7/23.6  | 17547 |
| 1998 TU <sub>30</sub>  | 2003 09 28.2 | 00 16.96 -06 55.3 18.0 | -0.81 - 2.5 | 2.4/25.5  | 50396 |
| 2001 FG <sub>69</sub>  | 2003 09 28.2 | 00 17.02 -05 37.7 18.0 | -0.75 - 4.4 | 2.5/25.7  | 50529 |
| 2000 WO <sub>45</sub>  | 2003 09 28.2 | 00 17.02 -05 17.1 18.6 | -0.94 - 6.7 | 3.0/25.9  | 50505 |
| 1998 WE <sub>14</sub>  | 2003 09 28.2 | 00 17.03 -02 53.0 18.4 | -0.76 - 4.1 | 1.7/26.7  | 50399 |
| 2002 JB <sub>63</sub>  | 2003 09 28.2 | 00 17.16 -05 00.9 18.5 | -0.82 - 6.4 | 2.0/25.9  | 33999 |
| 2002 LJ <sub>14</sub>  | 2003 09 28.2 | 00 17.17 -12 35.2 19.5 | -0.94 - 3.1 | 5.0/23.8  | 50612 |
| 1999 TU <sub>153</sub> | 2003 09 28.2 | 00 17.17 -03 22.2 18.7 | -0.82 - 7.1 | 2.0/26.4  | 50427 |
| 1996 XK <sub>5</sub>   | 2003 09 28.2 | 00 17.25 +25 52.3 18.0 | -1.00 - 3.9 | 8.9/06.2  | 10836 |
| 2001 EJ <sub>2</sub>   | 2003 09 28.2 | 00 17.29 -17 39.6 19.5 | -0.83 - 7.2 | 5.8/21.1  | 12306 |
| 2000 YJ <sub>52</sub>  | 2003 09 28.3 | 00 17.38 -00 55.7 20.5 | -0.89 - 5.3 | 1.0/27.4  | 47999 |
| 1999 XH <sub>124</sub> | 2003 09 28.3 | 00 17.40 -16 18.7 18.6 | -1.07 + 1.9 | 8.4/23.4  | 1555  |
| 2001 FR <sub>25</sub>  | 2003 09 28.3 | 00 17.42 +02 02.5 20.4 | -0.72 - 4.8 | 0.0/28.4  | 50527 |
| 2001 DU                | 2003 09 28.3 | 00 17.49 +00 34.5 19.5 | -0.87 - 5.1 | 0.5/27.9  | 12292 |
| 2002 JB <sub>32</sub>  | 2003 09 28.3 | 00 17.53 -00 49.5 18.3 | -0.85 - 5.9 | 1.0/27.5  | 31649 |
| 1999 TW <sub>232</sub> | 2003 09 28.3 | 00 17.56 +00 48.9 19.2 | -0.93 - 3.1 | 0.4/28.0  | 50429 |
| 2002 KS <sub>2</sub>   | 2003 09 28.3 | 00 17.63 +03 00.0 20.6 | -0.97 - 7.0 | 0.4/28.7  | 50612 |
| 1999 XP <sub>84</sub>  | 2003 09 28.3 | 00 17.66 -15 03.0 19.0 | -0.73 - 4.4 | 4.2/22.5  | 33846 |
| 1999 TO <sub>192</sub> | 2003 09 28.3 | 00 17.69 +15 00.4 18.8 | -0.87 - 5.3 | 4.8/02.8  | 50428 |
| 1999 TF <sub>141</sub> | 2003 09 28.3 | 00 17.74 -11 32.7 19.1 | -1.03 - 0.8 | 4.6/24.7  | 50426 |

|                        |              |                        |             |           |       |                        |              |                        |             |           |       |
|------------------------|--------------|------------------------|-------------|-----------|-------|------------------------|--------------|------------------------|-------------|-----------|-------|
| 2001 EX <sub>14</sub>  | 2003 09 28.4 | 00 17.74 -17 35.6 19.3 | -0.70 - 6.5 | 5.3/21.2  | 33900 | 2002 BS <sub>21</sub>  | 2003 09 28.7 | 00 19.00 -32 47.0 19.2 | -1.67 + 5.6 | 16.3/20.9 | 31964 |
| 2001 FO <sub>11</sub>  | 2003 09 28.4 | 00 17.75 -03 21.9 19.4 | -0.69 - 7.0 | 1.5/26.5  | 50527 | 2000 UU <sub>33</sub>  | 2003 09 28.7 | 00 19.01 +03 41.0 17.2 | -0.84 - 9.5 | 0.8/29.3  | 50499 |
| 2001 DJ <sub>35</sub>  | 2003 09 28.4 | 00 17.77 -03 09.5 19.6 | -0.77 - 6.8 | 1.6/26.7  | 50523 | 1999 TJ <sub>56</sub>  | 2003 09 28.7 | 00 19.07 -00 36.8 18.9 | -0.88 - 4.4 | 0.9/27.9  | 33097 |
| 1999 XQ <sub>209</sub> | 2003 09 28.4 | 00 17.79 +02 22.4 18.2 | -0.97 - 0.7 | 0.2/28.6  | 47835 | 1999 TD <sub>161</sub> | 2003 09 28.7 | 00 19.10 +06 21.4 19.3 | -0.87 - 5.9 | 1.5/30.2  | 33831 |
| 1999 NQ <sub>51</sub>  | 2003 09 28.4 | 00 17.79 -06 53.4 19.4 | -0.84 -11.7 | 3.4/25.2  | 50413 | 2002 JH <sub>56</sub>  | 2003 09 28.7 | 00 19.13 -08 51.8 19.6 | -0.88 - 3.4 | 3.4/25.4  | 32022 |
| 1999 TQ <sub>115</sub> | 2003 09 28.4 | 00 17.86 +07 56.8 18.3 | -0.91 - 5.0 | 2.4/30.4  | 50425 | 2002 CW <sub>10</sub>  | 2003 09 28.8 | 00 19.10 -35 58.8 19.0 | -1.35 + 2.3 | 13.4/18.5 | 30636 |
| 1997 EU <sub>26</sub>  | 2003 09 28.4 | 00 17.87 +01 37.7 21.2 | -0.88 - 4.5 | 0.1/28.4  | 47710 | 2002 JF <sub>65</sub>  | 2003 09 28.8 | 00 19.16 -07 18.5 20.2 | -0.86 - 4.7 | 2.8/25.8  | 48235 |
| 2001 FL <sub>66</sub>  | 2003 09 28.4 | 00 17.93 -03 39.5 19.9 | -0.75 - 7.0 | 1.5/26.5  | 13834 | 2002 CX <sub>15</sub>  | 2003 09 28.8 | 00 19.17 -07 07.2 18.2 | -0.83 - 9.9 | 3.9/25.5  | 50590 |
| 2001 BF <sub>50</sub>  | 2003 09 28.4 | 00 17.93 +24 17.1 18.7 | -0.95 - 3.7 | 7.9/05.8  | 41677 | 2001 FX <sub>126</sub> | 2003 09 28.8 | 00 19.20 -13 08.4 18.2 | -0.95 + 0.3 | 4.5/24.7  | 50531 |
| 1999 TW <sub>122</sub> | 2003 09 28.4 | 00 17.94 +07 30.6 18.8 | -0.78 -11.3 | 2.0/30.6  | 50426 | 2001 FA <sub>36</sub>  | 2003 09 28.8 | 00 19.21 +05 29.6 18.5 | -0.94 - 2.4 | 1.2/29.8  | 50528 |
| 2002 KE <sub>14</sub>  | 2003 09 28.4 | 00 17.95 -19 43.8 19.9 | -0.83 - 6.0 | 6.6/20.9  | 34011 | 2000 AU <sub>1</sub>   | 2003 09 28.8 | 00 19.31 -07 29.4 18.6 | -0.78 - 6.1 | 3.1/25.5  | 50449 |
| 1998 HQ <sub>106</sub> | 2003 09 28.4 | 00 17.95 -16 58.6 17.9 | -0.78 - 8.5 | 7.5/21.5  | 50385 | 2002 GP <sub>94</sub>  | 2003 09 28.8 | 00 19.35 +01 58.5 17.6 | -1.06 - 0.3 | 0.0/28.8  | 50604 |
| 2000 AF <sub>15</sub>  | 2003 09 28.4 | 00 17.95 -23 13.6 19.3 | -0.75 - 3.5 | 6.1/19.6  | 33853 | 1993 TE <sub>16</sub>  | 2003 09 28.8 | 00 19.42 -00 10.9 17.5 | -0.98 - 4.8 | 1.1/28.2  | 9675  |
| 2001 CB <sub>37</sub>  | 2003 09 28.4 | 00 17.95 -02 45.2 19.0 | -0.82 - 5.4 | 1.5/26.9  | 33896 | 2001 CG <sub>29</sub>  | 2003 09 28.8 | 00 19.45 +05 57.2 18.7 | -0.95 - 3.0 | 1.3/30.0  | 12289 |
| 2002 ED <sub>100</sub> | 2003 09 28.4 | 00 17.96 -02 55.9 18.3 | -1.04 - 3.8 | 2.2/27.0  | 50598 | 2000 YC <sub>118</sub> | 2003 09 28.8 | 00 19.46 +11 15.9 20.0 | -0.94 - 3.6 | 3.0/01.7  | 48002 |
| 1999 RC <sub>26</sub>  | 2003 09 28.4 | 00 17.97 -03 27.3 18.1 | -0.77 - 6.7 | 2.4/26.6  | 50414 | 1999 UF <sub>40</sub>  | 2003 09 28.8 | 00 19.52 +06 46.7 19.3 | -0.89 - 5.0 | 1.7/30.4  | 31873 |
| 2002 JY <sub>40</sub>  | 2003 09 28.4 | 00 17.98 +08 08.7 19.4 | -0.89 - 8.6 | 2.4/30.6  | 50608 | 2003 QT <sub>32</sub>  | 2003 09 28.9 | 00 19.46 -03 26.8 16.7 | -1.68 +12.9 | 2.9/28.4  | 50304 |
| 1998 HV <sub>107</sub> | 2003 09 28.4 | 00 17.99 -13 04.7 19.1 | -1.03 - 3.7 | 5.5/23.9  | 50385 | 1999 TW <sub>139</sub> | 2003 09 28.9 | 00 19.48 +12 07.2 18.4 | -0.67 -13.3 | 4.0/03.0  | 47807 |
| 1999 VO <sub>26</sub>  | 2003 09 28.4 | 00 18.06 -03 49.2 17.6 | -0.85 - 4.4 | 2.2/26.6  | 50434 | 1998 SP <sub>15</sub>  | 2003 09 28.9 | 00 19.49 +03 09.0 20.5 | -0.78 - 5.5 | 0.3/29.3  | 16849 |
| 2001 DH <sub>6</sub>   | 2003 09 28.4 | 00 18.10 +03 56.3 19.6 | -0.93 - 2.4 | 0.6/29.1  | 13812 | 1994 WA <sub>8</sub>   | 2003 09 28.9 | 00 19.54 +04 16.9 17.9 | -0.71 - 9.2 | 0.9/29.7  | 50371 |
| 2002 GO <sub>162</sub> | 2003 09 28.5 | 00 18.13 -05 20.3 18.8 | -0.91 - 4.1 | 2.8/26.3  | 50068 | 1999 VK <sub>37</sub>  | 2003 09 28.9 | 00 19.69 +07 32.2 19.0 | -0.81 - 5.9 | 1.7/30.8  | 13621 |
| 2000 YP <sub>120</sub> | 2003 09 28.5 | 00 18.14 -21 34.0 18.1 | -0.90 - 5.5 | 8.4/20.0  | 50515 | 2000 AC <sub>227</sub> | 2003 09 28.9 | 00 19.70 +02 19.0 20.9 | -0.72 - 4.8 | 0.1/29.0  | 47845 |
| 1993 LE <sub>1</sub>   | 2003 09 28.5 | 00 18.18 +10 06.9 19.3 | -1.01 - 1.7 | 2.8/30.8  | 50368 | 1996 GA <sub>1</sub>   | 2003 09 28.9 | 00 19.78 +00 22.3 19.9 | -0.73 - 4.5 | 0.5/28.4  | 33759 |
| 2001 FB <sub>38</sub>  | 2003 09 28.5 | 00 18.18 +10 32.9 18.9 | -0.78 - 3.4 | 2.3/01.3  | 50528 | 1998 HT <sub>7</sub>   | 2003 09 28.9 | 00 19.80 +07 37.4 18.8 | -0.86 -13.7 | 1.8/31.0  | 50384 |
| 2000 YY <sub>85</sub>  | 2003 09 28.5 | 00 18.25 -21 01.3 19.3 | -0.86 - 5.6 | 7.2/20.5  | 33890 | 2000 CQ <sub>12</sub>  | 2003 09 28.9 | 00 19.88 +00 10.8 18.6 | -0.71 - 7.1 | 0.6/28.3  | 50457 |
| 2001 CP <sub>43</sub>  | 2003 09 28.5 | 00 18.26 -18 42.6 18.7 | -1.01 - 3.0 | 7.1/21.9  | 13252 | 1998 WL <sub>10</sub>  | 2003 09 29.0 | 00 19.88 +02 28.6 18.3 | -0.72 - 6.2 | 0.1/29.1  | 50398 |
| 2002 GS <sub>100</sub> | 2003 09 28.5 | 00 18.32 +04 48.0 18.7 | -0.78 -10.0 | 1.1/29.6  | 31573 | 2001 HJ <sub>57</sub>  | 2003 09 29.0 | 00 19.89 -21 26.8 18.9 | -0.89 - 5.6 | 7.9/20.4  | 13482 |
| 1999 VF <sub>11</sub>  | 2003 09 28.5 | 00 18.33 +17 37.9 18.4 | -0.69 -12.1 | 6.3/05.1  | 50433 | 1999 TF <sub>257</sub> | 2003 09 29.0 | 00 20.02 +10 16.0 18.8 | -0.95 - 5.1 | 2.9/01.6  | 50430 |
| 2000 AC <sub>5</sub>   | 2003 09 28.5 | 00 18.41 -05 45.2 19.7 | -0.72 - 4.5 | 2.1/26.0  | 50449 | 2001 EN <sub>5</sub>   | 2003 09 29.0 | 00 20.02 -03 02.7 18.4 | -0.90 - 2.8 | 1.9/27.5  | 50526 |
| 2002 JM                | 2003 09 28.5 | 00 18.42 +04 26.5 19.6 | -0.77 - 9.5 | 0.8/29.5  | 32013 | 1999 XD <sub>37</sub>  | 2003 09 29.0 | 00 20.09 -22 10.5 17.5 | -0.87 - 4.5 | 9.3/20.2  | 50442 |
| 2001 ED <sub>14</sub>  | 2003 09 28.5 | 00 18.43 -20 08.6 18.2 | -0.79 - 4.2 | 6.9/20.9  | 50526 | 1999 VS <sub>3</sub>   | 2003 09 29.0 | 00 20.12 +02 32.4 19.7 | -0.81 - 6.5 | 0.1/29.2  | 14147 |
| 2000 EY <sub>66</sub>  | 2003 09 28.5 | 00 18.43 +00 30.6 18.6 | -0.62 - 9.1 | 0.4/28.0  | 50464 | 1999 XE <sub>113</sub> | 2003 09 29.0 | 00 20.14 -06 38.4 19.1 | -1.18 + 2.3 | 3.3/27.1  | 50444 |
| 1998 HS <sub>107</sub> | 2003 09 28.6 | 00 18.47 -07 46.4 18.5 | -0.88 - 5.5 | 3.7/25.5  | 31229 | 2002 EV <sub>30</sub>  | 2003 09 29.0 | 00 20.15 -03 20.8 19.3 | -0.94 - 6.2 | 2.1/27.3  | 50596 |
| 2000 AT <sub>154</sub> | 2003 09 28.6 | 00 18.48 -00 44.1 18.6 | -0.86 - 4.2 | 1.0/27.8  | 50454 | 2002 EW <sub>67</sub>  | 2003 09 29.0 | 00 20.27 +03 53.4 19.6 | -0.94 - 6.8 | 0.6/29.7  | 31979 |
| 1999 RM <sub>127</sub> | 2003 09 28.6 | 00 18.48 +15 25.5 18.4 | -0.88 - 5.8 | 5.8/03.2  | 50418 | 2001 BJ <sub>44</sub>  | 2003 09 29.1 | 00 20.20 +08 10.1 18.9 | -0.84 - 7.6 | 2.1/31.0  | 12277 |
| 2000 UQ <sub>63</sub>  | 2003 09 28.6 | 00 18.51 -00 19.4 17.8 | -1.07 - 3.8 | 0.9/28.0  | 50500 | 1995 FX <sub>10</sub>  | 2003 09 29.1 | 00 20.25 +00 14.5 19.6 | -0.82 - 2.7 | 0.5/28.5  | 32945 |
| 2001 CT <sub>42</sub>  | 2003 09 28.6 | 00 18.57 -04 26.4 18.6 | -0.86 - 7.9 | 2.6/26.4  | 50522 | 2001 FM <sub>102</sub> | 2003 09 29.1 | 00 20.29 +02 19.0 19.4 | -0.69 - 5.6 | 0.0/29.2  | 48023 |
| 2000 AF <sub>30</sub>  | 2003 09 28.6 | 00 18.61 -03 18.6 18.2 | -0.79 - 4.8 | 1.8/26.9  | 50450 | 1996 AE <sub>13</sub>  | 2003 09 29.1 | 00 20.32 -01 40.9 19.0 | -0.86 - 3.7 | 1.4/27.9  | 50375 |
| 1999 VJ <sub>83</sub>  | 2003 09 28.6 | 00 18.61 -04 44.6 19.4 | -0.84 - 4.7 | 2.3/26.5  | 31876 | 2000 YG <sub>133</sub> | 2003 09 29.1 | 00 20.33 +04 18.4 19.0 | -1.00 - 6.0 | 0.8/29.8  | 13803 |
| 2000 YM <sub>7</sub>   | 2003 09 28.6 | 00 18.66 +08 33.3 19.1 | -0.96 - 4.4 | 2.3/30.7  | 35537 | 2002 FJ <sub>17</sub>  | 2003 09 29.1 | 00 20.33 -08 24.3 20.0 | -0.97 - 5.8 | 3.7/25.8  | 31988 |
| 2003 QA <sub>61</sub>  | 2003 09 28.6 | 00 18.72 -04 15.1 17.7 | -0.91 - 0.7 | 1.9/26.9  | 50316 | 2000 EQ <sub>156</sub> | 2003 09 29.1 | 00 20.39 -11 56.9 19.2 | -0.86 - 2.0 | 4.0/24.8  | 50466 |
| 1999 VQ <sub>114</sub> | 2003 09 28.6 | 00 18.73 +06 15.8 18.1 | -1.06 - 1.2 | 1.6/29.8  | 50437 | 2002 EQ <sub>39</sub>  | 2003 09 29.1 | 00 20.40 +05 41.8 17.9 | -1.06 - 2.0 | 1.6/30.1  | 50597 |
| 2002 EC <sub>90</sub>  | 2003 09 28.6 | 00 18.74 +00 08.3 21.3 | -0.96 - 6.4 | 0.7/28.1  | 35173 | 1999 TK <sub>171</sub> | 2003 09 29.1 | 00 20.45 +05 29.1 19.0 | -0.78 - 7.9 | 1.4/30.3  | 47808 |
| 2002 HC <sub>1</sub>   | 2003 09 28.6 | 00 18.76 -05 53.7 18.1 | -1.05 - 2.1 | 3.3/26.5  | 50070 | 2000 WW <sub>35</sub>  | 2003 09 29.1 | 00 20.46 -12 16.0 18.4 | -0.94 - 6.8 | 6.0/24.2  | 9870  |
| 1999 VH <sub>144</sub> | 2003 09 28.6 | 00 18.81 -09 55.4 19.5 | -1.02 - 0.9 | 4.4/25.4  | 3463  | 2000 WX <sub>18</sub>  | 2003 09 29.1 | 00 20.53 +14 55.3 18.2 | -0.93 - 7.0 | 5.5/03.5  | 31352 |
| 2000 WU <sub>18</sub>  | 2003 09 28.7 | 00 18.76 +12 46.0 17.8 | -0.93 - 7.0 | 4.0/02.4  | 50504 | 1995 FH <sub>19</sub>  | 2003 09 29.1 | 00 20.59 -02 06.6 18.4 | -0.76 - 4.8 | 1.5/27.7  | 50372 |
| 2000 VJ <sub>2</sub>   | 2003 09 28.7 | 00 18.78 -44 52.7 17.2 | -1.03 - 1.8 | 19.7/11.0 | 31920 | 1999 LY <sub>34</sub>  | 2003 09 29.1 | 00 20.59 -06 24.8 18.0 | -0.98 - 4.7 | 3.4/26.6  | 50411 |
| 1998 YP <sub>9</sub>   | 2003 09 28.7 | 00 18.92 +00 14.9 17.8 | -0.70 - 6.3 | 0.6/28.1  | 50401 | 2000 AM <sub>180</sub> | 2003 09 29.1 | 00 20.61 -06 48.4 18.4 | -0.71 - 7.3 | 2.7/25.9  | 50454 |
| 1995 VY <sub>11</sub>  | 2003 09 28.7 | 00 18.94 -06 43.0 19.4 | -0.85 - 5.4 | 3.4/25.9  | 50374 | 1998 SD <sub>125</sub> | 2003 09 29.1 | 00 20.62 -06 26.7 18.3 | -0.87 - 2.2 | 2.7/26.6  | 50394 |
| 2001 KC <sub>1</sub>   | 2003 09 28.7 | 00 18.96 -06 09.0 19.7 | -0.73 - 3.7 | 2.2/26.0  | 35555 | 2001 BX <sub>42</sub>  | 2003 09 29.2 | 00 20.56 +12 52.4 19.0 | -0.85 - 6.8 | 3.7/02.9  | 48006 |
| 2001 AZ <sub>39</sub>  | 2003 09 28.7 | 00 18.99 +05 06.1 18.5 | -0.98 - 4.6 | 1.1/29.7  | 11027 | 1999 XM <sub>55</sub>  | 2003 09 29.2 | 00 20.57 -03 44.7 19.0 | -0.82 - 4.6 | 1.9/27.3  | 50442 |