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## ERRATA

| <i>MPC</i> | Line       |                                                                                    |  |
|------------|------------|------------------------------------------------------------------------------------|--|
| 27696      | 33 to 36   | The orbit of (6483) is misprinted. The correct data are given on <i>MPC</i> 28057. |  |
| 27887      | -40 to -37 | The orbit of (1890) is misprinted. The correct data are given on <i>MPC</i> 28055. |  |

## NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 27749. 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. | $\lambda$ | $\rho \cos \phi'$ | $\rho \sin \phi'$ |         |
|------|-----------|-------------------|-------------------|---------|
| 124  | 2.2550    | 0.72534           | +0.68612          | Castres |
| 626  | 4.9864    | 0.62847           | +0.77524          | Geel    |

## CORRECTED OBSERVATIONS

The following observations correct those previously published.

| Object               | Date             | UT          | $\alpha_{2000}$ | $\delta_{2000}$  | Reference | Mag. | Obs. |
|----------------------|------------------|-------------|-----------------|------------------|-----------|------|------|
| 1996 JA <sub>1</sub> | 1996 05 16.21042 | 15 42 51.25 | +16 48 16.9     | <i>MPC</i> 27241 | 14        | V    | 693  |
| 1996 JA <sub>1</sub> | 1996 05 16.22095 | 15 42 47.61 | +16 48 16.3     | <i>MPC</i> 27241 |           |      | 693  |
| (3287)               | 1996 05 30.14792 | 16 52 00.07 | -06 28 03.4     | <i>MPC</i> 27420 | 17.2      | R    | 750  |
| (3287)               | 1996 05 30.15833 | 16 51 59.53 | -06 27 55.5     | <i>MPC</i> 27420 | 17.3      | R    | 750  |

## IDENTIFICATION CHANGES

Continuation to *MPC* 27749.

| Object                | Date               | UT          | $\alpha_{2000}$ | $\delta_{2000}$      | Originally | Mag. | Obs. |
|-----------------------|--------------------|-------------|-----------------|----------------------|------------|------|------|
| 1977 DK <sub>11</sub> | * 1977 02 19.65848 | 11 19 38.63 | +02 01 50.7     | 1977 DH <sub>5</sub> | 18.3       |      | 381  |
| 1984 BS <sub>7</sub>  | * 1984 01 27.84381 | 08 11 33.83 | +23 54 53.1     | 1984 BX              |            |      | 046  |
| 1984 BS <sub>7</sub>  | 1984 01 27.85799   | 08 11 32.99 | +23 54 59.8     | 1984 BX              |            |      | 046  |
| 1992 UM <sub>10</sub> | * 1992 10 28.61736 | 02 48 40.50 | +05 55 17.4     | 1992 UK <sub>4</sub> | 17         |      | 400  |
| 1992 UM <sub>10</sub> | 1992 10 28.63125   | 02 48 39.60 | +05 55 12.4     | 1992 UK <sub>4</sub> |            |      | 400  |

## NUMBERING OF A PERIODIC COMET

Continuation to the list on *MPC* 27749.

129P/1991 C1 = 1996 U1 (Shoemaker-Levy 3)

## OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

- 010 Caussols. 0.90-m Schmidt + CCD. Observers A. Maury, M. Lundström and G. Hahn.
- 046 Kleť. 0.57-m  $f/5.2$  reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec.
- 104 San Marcello Pistoiese. 0.4-m  $f/5$  reflector. Observers L. Tesi and A. Boattini.
- 113 Drebach. 0.14-m  $f/3.5$  camera. Observers J. Kandler and G. Lehmann. Measured by G. Lehmann and T. Lehmann.
- 118 Modra. 0.6-m  $f/5.5$  reflector + CCD. Observers A. Galád, P. Kolény, L. Kornoš, D. Kalmančok and A. Pravda.
- 353 Nishi Kobe. 0.25-m  $f/6.3$  Schmidt-Cassegrain + CCD. Observer K. Ito.
- 355 Hadano. 0.20-m  $f/6.0$  reflector + CCD. Observer A. Asami.
- 360 Kuma Kogen. 0.60-m  $f/6.0$  Ritchey-Chrétien + CCD. Observer A. Nakamura.
- 367 Yatsuka. 0.26-m  $f/6.0$  reflector + CCD. Observer H. Abe.
- 372 Geisei. 0.60-m  $f/3.5$  reflector. Observer T. Seki. In part from *Orient. Astron. Assoc. Comet Bull.*
- 381 Kiso Observatory. 1.05-m Schmidt + CCD. Observers M. Abe and S. Hasegawa. Measured by I. Sato.
- 385 Nihondaira Observatory Oohira Station. 0.31-m  $f/4.7$  reflector + CCD. Observer T. Urata.
- 413 Siding Spring. 1.0-m reflector + CCD and U.N.S.W. APT Schmidt + CCD. Observers R. H. McNaught, D. I. Steel, G. J. Garradd and J. Shobbrook. Measured by R. H. McNaught and G. J. Garradd.
- 422 Loomberah. 0.25-m  $f/4.1$  reflector + CCD. Observer G. J. Garradd.
- 540 Linz. 0.3-m  $f/5.2$  Schmidt-Cassegrain + CCD. Observers E. Meyer and H. Raab.
- 568 Mauna Kea. 3.6-m  $f/3.8$ -m reflector + CCD and 2.2-m  $f/10$  reflector + CCD. Observers O. R. Hainaut, K. J. Meech, J. Bauer and D. Kakazu. Measured by O. R. Hainaut.

- 587 Sormano. 0.5-m reflector + CCD. Observers F. Manca, V. Giuliani,  
M. Cavagna, P. Sicoli, M. Carpino, A. Testa and P. Chiavenna.  
595 Farra d'Isonzo. 0.4-m  $f/4.5$  reflector + CCD. Observers W. Boschin,  
L. Drigo, G. Lombardi, E. Pettarin and F. Piani. Measured by E. Pettarin.  
605 Marl. 0.2-m reflector + CCD. Observer E. Jung.  
658 Dominion Astrophysical Observatory, Victoria. 1.82-m Plaskett telescope +  
CCD. Observer G. C. L. Aikman. Measured by D. D. Balam.  
691 Kitt Peak. 0.91-m Spacewatch telescope. Observer J. V. Scotti.  
696 Mt. Hopkins. 1.2-m telescope + CCD. Observers C. W. Hergenrother and  
T. B. Spahr.  
709 Cloudcroft. 0.60-m  $f/7$  Ritchey-Chrétien + CCD. Observer W. Offutt.  
711 McDonald. 0.76-m reflector + CCD. Observer P. J. Shelus.  
801 Oak Ridge. 1.5-m reflector + CCD. Observer R. E. McCrosky.  
867 Saji Observatory. 1.03-m  $f/4.8$  reflector + CCD. Observers M. Yamanishi,  
A. Miyamoto, M. Aimoto and T. Oribe.  
900 Moriyama. 0.25-m  $f/6.3$  reflector + CCD. Observer Y. Ikari.

| Object                       | Date             | UT          | $\alpha_{2000}$ | $\delta_{2000}$ | Mag. | N Obs. |
|------------------------------|------------------|-------------|-----------------|-----------------|------|--------|
| <b>C/1995 O1 (Hale-Bopp)</b> |                  |             |                 |                 |      |        |
| C/1995 O1                    | 1996 09 16.45971 | 17 31 31.83 | -05 42 31.5     |                 |      | 422    |
| C/1995 O1                    | 1996 09 16.46220 | 17 31 31.79 | -05 42 30.9     |                 |      | 422    |
| C/1995 O1                    | 1996 09 19.38421 | 17 30 46.73 | -05 33 43.5     |                 |      | 422    |
| C/1995 O1                    | 1996 09 19.38460 | 17 30 46.73 | -05 33 43.5     |                 |      | 422    |
| C/1995 O1                    | 1996 09 23.40463 | 17 30 03.93 | -05 21 53.3     |                 |      | 422    |
| C/1995 O1                    | 1996 09 26.49940 | 17 29 45.74 | -05 12 57.5     |                 |      | 367    |
| C/1995 O1                    | 1996 09 26.50224 | 17 29 45.72 | -05 12 57.2     |                 |      | 367    |
| C/1995 O1                    | 1996 09 29.86111 | 17 29 40.10 | -05 03 17.7     |                 |      | 104    |
| C/1995 O1                    | 1996 09 29.86678 | 17 29 40.10 | -05 03 16.8     |                 |      | 104    |
| C/1995 O1                    | 1996 09 30.73288 | 17 29 41.07 | -05 00 49.2     |                 |      | 118    |
| C/1995 O1                    | 1996 09 30.73803 | 17 29 40.98 | -05 00 48.8     |                 |      | 046    |
| C/1995 O1                    | 1996 09 30.73961 | 17 29 40.97 | -05 00 48.4     |                 |      | 046    |
| C/1995 O1                    | 1996 09 30.75034 | 17 29 40.97 | -05 00 46.7     |                 |      | 046    |
| C/1995 O1                    | 1996 10 01.72556 | 17 29 43.20 | -04 57 56.9     |                 |      | 118    |
| C/1995 O1                    | 1996 10 01.73481 | 17 29 43.22 | -04 57 55.8     |                 |      | 118    |
| C/1995 O1                    | 1996 10 01.73693 | 17 29 43.28 | -04 57 55.4     |                 |      | 118    |
| C/1995 O1                    | 1996 10 03.72556 | 17 29 51.22 | -04 52 12.3     |                 |      | 118    |
| C/1995 O1                    | 1996 10 03.73147 | 17 29 51.25 | -04 52 11.5     |                 |      | 118    |
| C/1995 O1                    | 1996 10 03.73856 | 17 29 51.31 | -04 52 10.1     |                 |      | 118    |
| C/1995 O1                    | 1996 10 03.74146 | 17 29 51.31 | -04 52 09.7     |                 |      | 118    |
| C/1995 O1                    | 1996 10 04.42118 | 17 29 55.13 | -04 50 11.9     |                 |      | 360    |
| C/1995 O1                    | 1996 10 04.42517 | 17 29 55.16 | -04 50 11.3     |                 |      | 360    |
| C/1995 O1                    | 1996 10 05.43004 | 17 30 01.88 | -04 47 16.3     |                 |      | 900    |
| C/1995 O1                    | 1996 10 05.43631 | 17 30 01.98 | -04 47 14.9     |                 |      | 900    |
| C/1995 O1                    | 1996 10 05.45737 | 17 30 02.13 | -04 47 11.1     |                 |      | 367    |
| C/1995 O1                    | 1996 10 05.46015 | 17 30 02.14 | -04 47 11.2     |                 |      | 367    |
| C/1995 O1                    | 1996 10 08.82663 | 17 30 33.81 | -04 37 21.2     |                 |      | 540    |
| C/1995 O1                    | 1996 10 08.82815 | 17 30 33.84 | -04 37 20.0     |                 |      | 540    |
| C/1995 O1                    | 1996 10 08.82918 | 17 30 33.79 | -04 37 20.5     |                 |      | 540    |
| C/1995 O1                    | 1996 10 09.40885 | 17 30 40.59 | -04 35 37.8     |                 |      | 360    |
| C/1995 O1                    | 1996 10 09.41094 | 17 30 40.62 | -04 35 37.3     |                 |      | 360    |
| C/1995 O1                    | 1996 10 09.44358 | 17 30 41.00 | -04 35 31.3     |                 |      | 900    |
| C/1995 O1                    | 1996 10 09.45177 | 17 30 41.11 | -04 35 30.0     |                 |      | 900    |

|           |                  |             |             |  |  |     |
|-----------|------------------|-------------|-------------|--|--|-----|
| C/1995 O1 | 1996 10 10.39809 | 17 30 53.11 | -04 32 41.1 |  |  | 353 |
| C/1995 O1 | 1996 10 10.40198 | 17 30 53.20 | -04 32 40.1 |  |  | 353 |
| C/1995 O1 | 1996 10 10.40296 | 17 30 53.18 | -04 32 40.2 |  |  | 353 |
| C/1995 O1 | 1996 10 11.72343 | 17 31 11.64 | -04 28 43.9 |  |  | 046 |
| C/1995 O1 | 1996 10 11.72456 | 17 31 11.65 | -04 28 43.5 |  |  | 046 |
| C/1995 O1 | 1996 10 11.72531 | 17 31 11.66 | -04 28 43.6 |  |  | 046 |
| C/1995 O1 | 1996 10 12.96672 | 17 31 30.83 | -04 24 56.1 |  |  | 801 |
| C/1995 O1 | 1996 10 12.96901 | 17 31 30.88 | -04 24 55.7 |  |  | 801 |
| C/1995 O1 | 1996 10 13.05635 | 17 31 32.23 | -04 24 41.0 |  |  | 711 |
| C/1995 O1 | 1996 10 13.06389 | 17 31 32.37 | -04 24 39.7 |  |  | 711 |
| C/1995 O1 | 1996 10 13.40103 | 17 31 37.97 | -04 23 38.4 |  |  | 353 |
| C/1995 O1 | 1996 10 13.40339 | 17 31 38.00 | -04 23 37.3 |  |  | 353 |
| C/1995 O1 | 1996 10 13.40553 | 17 31 38.04 | -04 23 37.0 |  |  | 353 |
| C/1995 O1 | 1996 10 13.42149 | 17 31 38.25 | -04 23 34.0 |  |  | 900 |
| C/1995 O1 | 1996 10 13.43210 | 17 31 38.44 | -04 23 32.0 |  |  | 900 |
| C/1995 O1 | 1996 10 14.73215 | 17 32 01.04 | -04 19 33.2 |  |  | 046 |
| C/1995 O1 | 1996 10 14.73285 | 17 32 01.07 | -04 19 33.2 |  |  | 046 |
| C/1995 O1 | 1996 10 14.73373 | 17 32 01.08 | -04 19 32.7 |  |  | 046 |
| C/1995 O1 | 1996 10 14.95973 | 17 32 05.17 | -04 18 49.0 |  |  | 801 |
| C/1995 O1 | 1996 10 14.97218 | 17 32 05.44 | -04 18 47.1 |  |  | 801 |
| C/1995 O1 | 1996 10 16.41059 | 17 32 32.92 | -04 14 17.9 |  |  | 360 |
| C/1995 O1 | 1996 10 16.41116 | 17 32 32.95 | -04 14 18.6 |  |  | 353 |
| C/1995 O1 | 1996 10 16.41302 | 17 32 32.97 | -04 14 17.3 |  |  | 360 |
| C/1995 O1 | 1996 10 16.41646 | 17 32 33.17 | -04 14 15.6 |  |  | 353 |

**C/1995 Y1 (Hyakutake)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/1995 Y1 | 1996 09 21.18689 | 23 20 49.86 | +26 30 09.0 | 19.1 T | 696 |
| C/1995 Y1 | 1996 09 21.19081 | 23 20 49.68 | +26 30 05.2 | 19.4 T | 696 |

**C/1996 B2 (Hyakutake)**

|           |                  |             |             |  |       |
|-----------|------------------|-------------|-------------|--|-------|
| C/1996 B2 | 1996 09 13.43960 | 13 24 15.18 | -66 02 03.6 |  | 1 422 |
| C/1996 B2 | 1996 09 13.44074 | 13 24 15.54 | -66 02 03.8 |  | 1 422 |
| C/1996 B2 | 1996 09 13.44475 | 13 24 16.10 | -66 02 04.4 |  | 1 422 |
| C/1996 B2 | 1996 09 14.46086 | 13 27 20.05 | -65 57 09.6 |  | 422   |
| C/1996 B2 | 1996 09 14.46510 | 13 27 20.96 | -65 57 08.6 |  | 422   |
| C/1996 B2 | 1996 09 14.46981 | 13 27 21.91 | -65 57 07.3 |  | 422   |

**C/1996 E1 (NEAT)**

|           |                  |             |             |        |       |
|-----------|------------------|-------------|-------------|--------|-------|
| C/1996 E1 | 1996 09 28.80672 | 19 04 01.55 | +56 16 34.3 | 16.7 T | 118   |
| C/1996 E1 | 1996 09 28.81124 | 19 04 02.26 | +56 16 09.2 |        | 2 118 |
| C/1996 E1 | 1996 10 04.45816 | 19 20 24.92 | +47 38 10.5 | 14.1 T | 360   |
| C/1996 E1 | 1996 10 04.46111 | 19 20 25.33 | +47 37 54.4 |        | 360   |
| C/1996 E1 | 1996 10 04.46404 | 19 20 25.81 | +47 37 38.1 |        | 360   |
| C/1996 E1 | 1996 10 05.45233 | 19 22 51.95 | +46 09 02.4 |        | 900   |
| C/1996 E1 | 1996 10 05.46317 | 19 22 53.17 | +46 08 04.9 |        | 900   |
| C/1996 E1 | 1996 10 07.79487 | 19 28 15.15 | +42 43 08.5 |        | 118   |
| C/1996 E1 | 1996 10 07.79824 | 19 28 15.58 | +42 42 50.7 |        | 118   |
| C/1996 E1 | 1996 10 07.80601 | 19 28 16.65 | +42 42 10.8 |        | 118   |
| C/1996 E1 | 1996 10 09.44705 | 19 31 47.20 | +40 22 02.1 | 14.0 T | 360   |
| C/1996 E1 | 1996 10 09.45000 | 19 31 47.52 | +40 21 47.2 |        | 360   |
| C/1996 E1 | 1996 10 09.45260 | 19 31 47.84 | +40 21 33.8 |        | 360   |
| C/1996 E1 | 1996 10 09.46933 | 19 31 50.00 | +40 20 08.6 |        | 900   |
| C/1996 E1 | 1996 10 09.47753 | 19 31 50.82 | +40 19 27.2 |        | 900   |

**C/1996 N1 (Brewington)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/1996 N1 | 1996 09 03.44372 | 14 54 35.43 | +50 43 01.7 |        | 372 |
| C/1996 N1 | 1996 09 21.14506 | 16 30 10.71 | +57 00 36.3 | 13.1 T | 696 |
| C/1996 N1 | 1996 09 21.14786 | 16 30 11.76 | +57 00 38.1 |        | 696 |
| C/1996 N1 | 1996 09 24.48188 | 16 52 13.81 | +57 37 37.7 |        | 900 |
| C/1996 N1 | 1996 09 24.49129 | 16 52 17.82 | +57 37 42.4 |        | 900 |
| C/1996 N1 | 1996 09 26.49185 | 17 06 01.83 | +57 53 22.5 | 12.5 T | 367 |
| C/1996 N1 | 1996 09 26.49531 | 17 06 03.38 | +57 53 22.6 |        | 367 |
| C/1996 N1 | 1996 09 27.80220 | 17 15 12.99 | +58 00 45.1 | 2 118  |     |
| C/1996 N1 | 1996 09 27.80576 | 17 15 14.43 | +58 00 47.6 | 2 118  |     |
| C/1996 N1 | 1996 10 04.44635 | 18 03 09.73 | +58 02 08.4 |        | 360 |
| C/1996 N1 | 1996 10 04.44931 | 18 03 10.94 | +58 02 07.3 |        | 360 |
| C/1996 N1 | 1996 10 04.45278 | 18 03 12.52 | +58 02 06.4 |        | 360 |
| C/1996 N1 | 1996 10 05.46897 | 18 10 37.67 | +57 56 47.0 | 12.8 T | 367 |
| C/1996 N1 | 1996 10 05.47378 | 18 10 39.72 | +57 56 45.5 |        | 367 |
| C/1996 N1 | 1996 10 07.77980 | 18 27 27.67 | +57 39 14.0 |        | 118 |
| C/1996 N1 | 1996 10 07.78237 | 18 27 28.67 | +57 39 12.6 | 2 118  |     |

**P/1996 N2 (Elst-Pizarro)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| P/1996 N2 | 1996 09 02.50885 | 21 27 50.25 | -14 26 54.6 | 17.5 T | 372 |
| P/1996 N2 | 1996 09 03.56007 | 21 27 13.27 | -14 30 32.1 | 17.5 T | 372 |
| P/1996 N2 | 1996 09 10.56389 | 21 23 37.72 | -14 52 04.0 | 17.5 T | 372 |
| P/1996 N2 | 1996 09 14.62188 | 21 22 00.33 | -15 02 13.1 | 18 T   | 372 |
| P/1996 N2 | 1996 09 18.44104 | 21 20 49.42 | -15 10 07.2 | 17.7 N | 381 |
| P/1996 N2 | 1996 09 18.44539 | 21 20 49.35 | -15 10 07.7 | 17.7 N | 381 |
| P/1996 N2 | 1996 09 18.45167 | 21 20 49.19 | -15 10 08.8 | 17.6 N | 381 |
| P/1996 N2 | 1996 09 18.47391 | 21 20 48.85 | -15 10 10.9 | 17.7 N | 381 |
| P/1996 N2 | 1996 09 18.48322 | 21 20 48.66 | -15 10 12.0 | 17.7 N | 381 |
| P/1996 N2 | 1996 09 18.49072 | 21 20 48.54 | -15 10 12.7 | 17.4 N | 381 |
| P/1996 N2 | 1996 09 18.51678 | 21 20 48.11 | -15 10 15.7 | 17.7 N | 381 |
| P/1996 N2 | 1996 09 18.60184 | 21 20 46.60 | -15 10 24.0 | 18.5 T | 372 |
| P/1996 N2 | 1996 09 19.48022 | 21 20 33.55 | -15 11 58.9 | 17.7 N | 381 |
| P/1996 N2 | 1996 09 21.23140 | 21 20 10.34 | -15 14 49.4 | 18.0 T | 696 |
| P/1996 N2 | 1996 09 21.23531 | 21 20 10.29 | -15 14 49.8 | 18.0 T | 696 |
| P/1996 N2 | 1996 09 21.23928 | 21 20 10.24 | -15 14 50.0 | 17.9 T | 696 |
| P/1996 N2 | 1996 09 30.80775 | 21 19 23.37 | -15 24 02.7 | 17.3 T | 118 |
| P/1996 N2 | 1996 10 03.75647 | 21 19 35.82 | -15 24 41.8 |        | 118 |
| P/1996 N2 | 1996 10 03.76044 | 21 19 35.86 | -15 24 41.5 | 18.7 T | 118 |
| P/1996 N2 | 1996 10 03.76868 | 21 19 35.89 | -15 24 41.6 |        | 118 |
| P/1996 N2 | 1996 10 03.85271 | 21 19 36.28 | -15 24 42.4 | 18.4 T | 046 |
| P/1996 N2 | 1996 10 03.85480 | 21 19 36.31 | -15 24 41.9 |        | 046 |
| P/1996 N2 | 1996 10 03.85669 | 21 19 36.30 | -15 24 42.1 |        | 046 |
| P/1996 N2 | 1996 10 04.50260 | 21 19 40.87 | -15 24 41.5 | 18.0 T | 360 |
| P/1996 N2 | 1996 10 04.51111 | 21 19 40.91 | -15 24 41.6 |        | 360 |
| P/1996 N2 | 1996 10 04.51910 | 21 19 40.91 | -15 24 41.7 |        | 360 |
| P/1996 N2 | 1996 10 13.04124 | 21 21 36.36 | -15 20 11.2 | 3 801  |     |
| P/1996 N2 | 1996 10 13.06333 | 21 21 36.54 | -15 20 08.4 |        | 801 |
| P/1996 N2 | 1996 10 14.82437 | 21 22 13.13 | -15 18 09.7 | 18.5 T | 046 |
| P/1996 N2 | 1996 10 14.82669 | 21 22 13.23 | -15 18 09.4 |        | 046 |
| P/1996 N2 | 1996 10 14.82899 | 21 22 13.24 | -15 18 08.9 |        | 046 |
| P/1996 N2 | 1996 10 16.49444 | 21 22 51.65 | -15 15 56.4 | 18.0 T | 360 |
| P/1996 N2 | 1996 10 16.49931 | 21 22 51.76 | -15 15 56.1 |        | 360 |

**C/1996 P2 (Russell-Watson)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/1996 P2 | 1996 08 24.75399 | 01 41 17.36 | -32 11 33.9 | 13.8 T | 360 |
| C/1996 P2 | 1996 09 10.73549 | 01 35 26.43 | -34 33 24.7 | 14 T   | 372 |
| C/1996 P2 | 1996 09 14.69445 | 01 33 10.99 | -34 58 43.6 | 14 T   | 372 |
| C/1996 P2 | 1996 09 18.71285 | 01 30 38.27 | -35 20 36.4 | 13.5 T | 372 |
| C/1996 P2 | 1996 09 27.66278 | 01 24 18.53 | -35 53 53.9 | 14.1 T | 900 |
| C/1996 P2 | 1996 09 27.67092 | 01 24 18.02 | -35 53 54.9 | 14.0 T | 900 |
| C/1996 P2 | 1996 10 01.66422 | 01 21 18.80 | -36 01 34.4 | 13.6 T | 900 |
| C/1996 P2 | 1996 10 01.68424 | 01 21 17.89 | -36 01 36.2 | 13.7 T | 900 |
| C/1996 P2 | 1996 10 01.69984 | 01 21 17.14 | -36 01 35.5 |        | 413 |
| C/1996 P2 | 1996 10 01.70199 | 01 21 17.02 | -36 01 35.6 |        | 413 |
| C/1996 P2 | 1996 10 01.70413 | 01 21 16.94 | -36 01 35.7 |        | 413 |
| C/1996 P2 | 1996 10 05.60223 | 01 18 20.53 | -36 04 39.0 | 13.6 T | 367 |
| C/1996 P2 | 1996 10 05.60953 | 01 18 20.19 | -36 04 39.9 |        | 367 |
| C/1996 P2 | 1996 10 05.63523 | 01 18 19.00 | -36 04 40.1 | 14.6 T | 900 |
| C/1996 P2 | 1996 10 05.64815 | 01 18 18.36 | -36 04 39.3 | 14.7 T | 900 |
| C/1996 P2 | 1996 10 05.65938 | 01 18 17.90 | -36 04 40.9 | 14.0 T | 360 |
| C/1996 P2 | 1996 10 05.66458 | 01 18 17.67 | -36 04 40.9 |        | 360 |
| C/1996 P2 | 1996 10 09.61233 | 01 15 20.52 | -36 03 14.4 | 13.9 T | 360 |
| C/1996 P2 | 1996 10 09.61597 | 01 15 20.35 | -36 03 14.4 |        | 360 |
| C/1996 P2 | 1996 10 09.61892 | 01 15 20.22 | -36 03 14.4 |        | 360 |
| C/1996 P2 | 1996 10 14.60636 | 01 11 43.44 | -35 55 06.3 | 15.2 T | 900 |
| C/1996 P2 | 1996 10 14.63096 | 01 11 42.31 | -35 55 02.8 | 15.5 T | 900 |

**C/1996 Q1 (Tabur)**

|           |                  |             |             |       |     |
|-----------|------------------|-------------|-------------|-------|-----|
| C/1996 Q1 | 1996 09 09.82026 | 05 24 54.12 | +01 08 57.8 |       | 372 |
| C/1996 Q1 | 1996 09 10.77285 | 05 27 21.81 | +01 54 45.1 |       | 372 |
| C/1996 Q1 | 1996 09 18.74462 | 05 52 58.01 | +10 14 45.1 |       | 372 |
| C/1996 Q1 | 1996 09 22.68063 | 06 10 54.79 | +16 08 21.8 |       | 422 |
| C/1996 Q1 | 1996 09 22.68154 | 06 10 55.09 | +16 08 27.2 |       | 422 |
| C/1996 Q1 | 1996 09 27.75759 | 06 44 02.04 | +26 08 32.6 |       | 900 |
| C/1996 Q1 | 1996 09 27.76518 | 06 44 05.72 | +26 09 34.1 |       | 900 |
| C/1996 Q1 | 1996 09 27.79346 | 06 44 19.58 | +26 13 24.6 |       | 867 |
| C/1996 Q1 | 1996 09 27.79427 | 06 44 19.95 | +26 13 31.4 |       | 867 |
| C/1996 Q1 | 1996 09 27.79520 | 06 44 20.41 | +26 13 38.8 |       | 867 |
| C/1996 Q1 | 1996 10 01.11878 | 07 16 27.95 | +34 16 27.5 |       | 046 |
| C/1996 Q1 | 1996 10 01.12102 | 07 16 29.47 | +34 16 47.9 |       | 046 |
| C/1996 Q1 | 1996 10 01.12197 | 07 16 30.12 | +34 16 56.8 |       | 046 |
| C/1996 Q1 | 1996 10 01.70057 | 07 23 19.31 | +35 45 59.6 |       | 900 |
| C/1996 Q1 | 1996 10 01.79183 | 07 24 25.58 | +36 00 29.8 |       | 413 |
| C/1996 Q1 | 1996 10 04.02644 | 07 55 22.46 | +41 46 26.0 |       | 118 |
| C/1996 Q1 | 1996 10 04.03314 | 07 55 28.70 | +41 47 28.4 |       | 118 |
| C/1996 Q1 | 1996 10 04.03547 | 07 55 30.90 | +41 47 49.6 |       | 118 |
| C/1996 Q1 | 1996 10 04.04475 | 07 55 39.52 | +41 49 15.1 |       | 118 |
| C/1996 Q1 | 1996 10 04.04962 | 07 55 44.10 | +41 50 00.1 |       | 118 |
| C/1996 Q1 | 1996 10 04.05624 | 07 55 50.25 | +41 51 01.3 |       | 118 |
| C/1996 Q1 | 1996 10 04.06336 | 07 55 56.90 | +41 52 07.2 |       | 118 |
| C/1996 Q1 | 1996 10 04.97802 | 08 10 55.91 | +44 09 50.3 | 9.1 T | 605 |
| C/1996 Q1 | 1996 10 04.98193 | 08 10 59.89 | +44 10 24.6 | 9.0 T | 605 |
| C/1996 Q1 | 1996 10 04.99358 | 08 11 12.05 | +44 12 10.0 | 8.9 T | 605 |
| C/1996 Q1 | 1996 10 05.69691 | 08 23 44.68 | +45 54 19.1 |       | 900 |
| C/1996 Q1 | 1996 10 05.70300 | 08 23 51.37 | +45 55 11.7 |       | 900 |
| C/1996 Q1 | 1996 10 08.79142 | 09 29 09.85 | +52 11 12.5 |       | 540 |

|           |                  |             |             |       |     |
|-----------|------------------|-------------|-------------|-------|-----|
| C/1996 Q1 | 1996 10 08.79240 | 09 29 11.29 | +52 11 19.4 |       | 540 |
| C/1996 Q1 | 1996 10 08.79329 | 09 29 12.48 | +52 11 23.5 |       | 540 |
| C/1996 Q1 | 1996 10 08.79416 | 09 29 13.60 | +52 11 28.9 |       | 540 |
| C/1996 Q1 | 1996 10 09.73114 | 09 51 56.39 | +53 33 10.1 |       | 900 |
| C/1996 Q1 | 1996 10 09.73925 | 09 52 08.37 | +53 33 48.1 |       | 900 |
| C/1996 Q1 | 1996 10 10.79740 | 10 18 41.94 | +54 43 22.7 |       | 867 |
| C/1996 Q1 | 1996 10 10.79821 | 10 18 43.15 | +54 43 25.4 |       | 867 |
| C/1996 Q1 | 1996 10 10.79867 | 10 18 43.84 | +54 43 27.3 |       | 867 |
| C/1996 Q1 | 1996 10 11.77380 | 10 43 32.33 | +55 25 50.7 |       | 385 |
| C/1996 Q1 | 1996 10 11.77503 | 10 43 34.19 | +55 25 53.4 |       | 385 |
| C/1996 Q1 | 1996 10 12.72236 | 11 07 25.56 | +55 47 33.2 |       | 367 |
| C/1996 Q1 | 1996 10 12.72924 | 11 07 35.87 | +55 47 38.6 |       | 367 |
| C/1996 Q1 | 1996 10 12.81167 | 11 09 36.15 | +55 48 35.3 | 9.9 T | 605 |
| C/1996 Q1 | 1996 10 12.81586 | 11 09 42.35 | +55 48 37.4 | 9.7 T | 605 |
| C/1996 Q1 | 1996 10 12.81795 | 11 09 45.49 | +55 48 38.5 | 9.4 T | 605 |
| C/1996 Q1 | 1996 10 13.12772 | 11 17 25.84 | +55 51 24.4 |       | 046 |
| C/1996 Q1 | 1996 10 13.12897 | 11 17 27.67 | +55 51 24.9 |       | 046 |
| C/1996 Q1 | 1996 10 13.12976 | 11 17 28.84 | +55 51 25.1 |       | 046 |
| C/1996 Q1 | 1996 10 13.77479 | 11 32 59.05 | +55 50 39.3 | 8.9 T | 605 |
| C/1996 Q1 | 1996 10 13.77980 | 11 33 06.66 | +55 50 43.8 | 8.7 T | 605 |
| C/1996 Q1 | 1996 10 13.78413 | 11 33 13.07 | +55 50 47.6 | 8.8 T | 605 |
| C/1996 Q1 | 1996 10 15.16782 | 12 04 40.46 | +55 26 56.8 |       | 046 |
| C/1996 Q1 | 1996 10 15.17019 | 12 04 43.53 | +55 26 53.2 |       | 046 |
| C/1996 Q1 | 1996 10 15.17225 | 12 04 46.20 | +55 26 49.7 |       | 046 |
| C/1996 Q1 | 1996 10 16.80666 | 12 37 39.99 | +54 26 15.4 |       | 900 |
| C/1996 Q1 | 1996 10 16.81148 | 12 37 45.29 | +54 26 02.6 |       | 900 |

**C/1996 R1 (Hergenrother-Spahr)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/1996 R1 | 1996 09 10.71485 | 23 35 15.23 | +36 15 42.3 |        | 372 |
| C/1996 R1 | 1996 09 18.65243 | 22 40 49.77 | +26 53 23.5 | 14 T   | 372 |
| C/1996 R1 | 1996 09 20.36318 | 22 30 17.30 | +24 35 40.8 |        | 696 |
| C/1996 R1 | 1996 09 20.36495 | 22 30 16.66 | +24 35 32.2 |        | 696 |
| C/1996 R1 | 1996 09 20.36625 | 22 30 16.18 | +24 35 25.7 |        | 696 |
| C/1996 R1 | 1996 09 21.25216 | 22 25 01.62 | +23 23 05.3 | 12.7 T | 696 |
| C/1996 R1 | 1996 09 21.25387 | 22 25 01.02 | +23 22 56.9 |        | 696 |
| C/1996 R1 | 1996 09 21.25466 | 22 25 00.73 | +23 22 53.0 |        | 696 |
| C/1996 R1 | 1996 09 22.30926 | 22 18 57.40 | +21 56 10.8 |        | 658 |
| C/1996 R1 | 1996 09 22.31704 | 22 18 54.79 | +21 55 32.6 |        | 658 |
| C/1996 R1 | 1996 09 26.82355 | 21 55 28.60 | +15 47 18.8 |        | 104 |
| C/1996 R1 | 1996 09 26.82616 | 21 55 27.88 | +15 47 06.2 |        | 104 |
| C/1996 R1 | 1996 09 26.82870 | 21 55 27.09 | +15 46 53.8 |        | 104 |
| C/1996 R1 | 1996 09 26.83125 | 21 55 26.34 | +15 46 41.5 |        | 104 |
| C/1996 R1 | 1996 09 28.50583 | 21 47 43.92 | +13 34 10.4 | 12.9 T | 900 |
| C/1996 R1 | 1996 09 28.74937 | 21 46 39.45 | +13 15 11.1 |        | 118 |
| C/1996 R1 | 1996 09 28.75471 | 21 46 38.03 | +13 14 45.8 |        | 118 |
| C/1996 R1 | 1996 09 28.76336 | 21 46 35.75 | +13 14 05.6 |        | 118 |
| C/1996 R1 | 1996 09 30.84521 | 21 37 50.37 | +10 35 45.9 |        | 595 |
| C/1996 R1 | 1996 09 30.85694 | 21 37 47.58 | +10 34 53.7 |        | 595 |
| C/1996 R1 | 1996 09 30.89162 | 21 37 39.07 | +10 32 18.3 | 12.6 T | 046 |
| C/1996 R1 | 1996 09 30.89332 | 21 37 38.67 | +10 32 11.2 |        | 046 |
| C/1996 R1 | 1996 09 30.89669 | 21 37 37.87 | +10 31 56.3 |        | 046 |
| C/1996 R1 | 1996 09 30.94792 | 21 37 25.46 | +10 28 08.6 |        | 118 |
| C/1996 R1 | 1996 09 30.95156 | 21 37 24.61 | +10 27 51.7 |        | 118 |

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| C/1996 R1 | 1996 09 30.95905 | 21 37 22.79 | +10 27 18.8 | 13.6 T | 118 |
| C/1996 R1 | 1996 10 01.57740 | 21 34 56.62 | +09 41 51.6 | 12.8 T | 900 |
| C/1996 R1 | 1996 10 01.58497 | 21 34 54.90 | +09 41 18.6 | 12.9 T | 900 |
| C/1996 R1 | 1996 10 01.84111 | 21 33 55.68 | +09 22 38.1 |        | 118 |
| C/1996 R1 | 1996 10 01.84914 | 21 33 53.83 | +09 22 02.9 | 13.7 T | 118 |
| C/1996 R1 | 1996 10 02.87505 | 21 30 02.98 | +08 08 41.2 | 13.3 T | 605 |
| C/1996 R1 | 1996 10 02.88145 | 21 30 01.58 | +08 08 14.3 | 13.3 T | 605 |
| C/1996 R1 | 1996 10 03.84409 | 21 26 34.59 | +07 01 15.0 |        | 118 |
| C/1996 R1 | 1996 10 03.84642 | 21 26 34.10 | +07 01 05.3 |        | 118 |
| C/1996 R1 | 1996 10 03.84832 | 21 26 33.72 | +07 00 57.7 |        | 118 |
| C/1996 R1 | 1996 10 04.53976 | 21 24 10.67 | +06 14 01.8 | 12.9 T | 360 |
| C/1996 R1 | 1996 10 04.54253 | 21 24 10.11 | +06 13 50.6 |        | 360 |
| C/1996 R1 | 1996 10 04.54462 | 21 24 09.66 | +06 13 42.0 |        | 360 |
| C/1996 R1 | 1996 10 04.55032 | 21 24 08.54 | +06 13 19.0 |        | 355 |
| C/1996 R1 | 1996 10 04.55759 | 21 24 07.03 | +06 12 49.9 |        | 355 |
| C/1996 R1 | 1996 10 04.80566 | 21 23 17.08 | +05 56 12.2 | 13.8 T | 118 |
| C/1996 R1 | 1996 10 04.81734 | 21 23 14.69 | +05 55 25.3 |        | 118 |
| C/1996 R1 | 1996 10 05.51579 | 21 20 56.72 | +05 09 24.4 | 13.2 T | 367 |
| C/1996 R1 | 1996 10 05.52308 | 21 20 55.28 | +05 08 56.1 |        | 367 |
| C/1996 R1 | 1996 10 05.57444 | 21 20 45.20 | +05 05 35.4 | 13.5 T | 900 |
| C/1996 R1 | 1996 10 05.58377 | 21 20 43.34 | +05 04 59.3 | 13.6 T | 900 |
| C/1996 R1 | 1996 10 06.82545 | 21 16 50.37 | +03 45 47.3 | 14.1 T | 605 |
| C/1996 R1 | 1996 10 06.83072 | 21 16 49.43 | +03 45 26.3 | 13.9 T | 605 |
| C/1996 R1 | 1996 10 06.83921 | 21 16 47.87 | +03 44 54.9 | 13.9 T | 605 |
| C/1996 R1 | 1996 10 07.81484 | 21 13 54.18 | +02 44 55.6 | 15.2 T | 118 |
| C/1996 R1 | 1996 10 07.81722 | 21 13 53.71 | +02 44 47.4 |        | 118 |
| C/1996 R1 | 1996 10 07.81920 | 21 13 53.35 | +02 44 39.7 |        | 118 |
| C/1996 R1 | 1996 10 10.03328 | 21 07 49.26 | +00 35 53.3 |        | 801 |
| C/1996 R1 | 1996 10 10.03579 | 21 07 48.86 | +00 35 44.9 | 4      | 801 |
| C/1996 R1 | 1996 10 10.83120 | 21 05 47.60 | -00 08 04.5 |        | 118 |
| C/1996 R1 | 1996 10 10.84227 | 21 05 45.90 | -00 08 40.0 |        | 118 |
| C/1996 R1 | 1996 10 10.84501 | 21 05 45.54 | -00 08 49.2 |        | 118 |
| C/1996 R1 | 1996 10 12.85900 | 21 01 00.17 | -01 54 11.2 | 15.0 T | 605 |
| C/1996 R1 | 1996 10 12.86875 | 21 00 58.80 | -01 54 40.3 | 14.9 T | 605 |
| C/1996 R1 | 1996 10 12.87174 | 21 00 58.38 | -01 54 49.2 | 14.9 T | 605 |
| C/1996 R1 | 1996 10 13.02872 | 21 00 37.39 | -02 02 41.2 |        | 801 |
| C/1996 R1 | 1996 10 13.03378 | 21 00 36.70 | -02 02 56.4 |        | 801 |
| C/1996 R1 | 1996 10 14.78249 | 20 56 54.02 | -03 27 38.3 | 14.0 T | 046 |
| C/1996 R1 | 1996 10 14.78443 | 20 56 53.77 | -03 27 44.3 |        | 046 |
| C/1996 R1 | 1996 10 14.78696 | 20 56 53.45 | -03 27 50.9 |        | 046 |
| C/1996 R1 | 1996 10 15.49721 | 20 55 28.70 | -04 00 37.6 |        | 355 |
| C/1996 R1 | 1996 10 15.49800 | 20 55 28.56 | -04 00 40.5 |        | 355 |
| C/1996 R1 | 1996 10 15.49957 | 20 55 28.39 | -04 00 45.8 |        | 355 |
| C/1996 R1 | 1996 10 16.47743 | 20 53 36.98 | -04 44 29.1 | 13.4 T | 360 |
| C/1996 R1 | 1996 10 16.48003 | 20 53 36.69 | -04 44 36.2 |        | 360 |
| C/1996 R1 | 1996 10 16.48854 | 20 53 35.73 | -04 44 58.4 |        | 360 |
| C/1996 R1 | 1996 10 18.79205 | 20 49 35.76 | -06 21 42.4 | 15.4 T | 118 |
| C/1996 R1 | 1996 10 18.79707 | 20 49 35.28 | -06 21 55.6 |        | 118 |

**P/1996 R2 (Lagerkvist)**

|           |                  |             |             |        |     |
|-----------|------------------|-------------|-------------|--------|-----|
| P/1996 R2 | 1996 09 14.60938 | 22 32 53.40 | -12 53 33.8 | 16.8 T | 372 |
| P/1996 R2 | 1996 09 18.62434 | 22 30 27.98 | -13 03 14.0 | 16.7 T | 372 |
| P/1996 R2 | 1996 09 19.45203 | 22 29 59.97 | -13 04 59.7 | 17.3 N | 381 |

|           |                  |             |             |        |       |
|-----------|------------------|-------------|-------------|--------|-------|
| P/1996 R2 | 1996 09 19.45676 | 22 29 59.79 | -13 05 00.3 | 16.8 N | 381   |
| P/1996 R2 | 1996 09 19.46384 | 22 29 59.54 | -13 05 01.4 | 16.8 N | 381   |
| P/1996 R2 | 1996 09 19.47016 | 22 29 59.31 | -13 05 02.1 | 16.8 N | 381   |
| P/1996 R2 | 1996 09 20.35226 | 22 29 29.45 | -13 06 49.5 | 16.7 T | 696   |
| P/1996 R2 | 1996 09 20.35657 | 22 29 29.30 | -13 06 50.0 | 16.6 T | 696   |
| P/1996 R2 | 1996 09 21.24377 | 22 29 00.52 | -13 08 32.7 |        | 696   |
| P/1996 R2 | 1996 09 21.24769 | 22 29 00.39 | -13 08 33.2 | 17.0 T | 696   |
| P/1996 R2 | 1996 09 30.85240 | 22 24 40.83 | -13 20 31.2 |        | 118   |
| P/1996 R2 | 1996 09 30.86288 | 22 24 40.61 | -13 20 32.0 | 17.2 T | 118   |
| P/1996 R2 | 1996 10 01.60447 | 22 24 25.05 | -13 20 56.5 | 16.8 T | 900   |
| P/1996 R2 | 1996 10 01.66794 | 22 24 23.57 | -13 20 52.3 |        | 413   |
| P/1996 R2 | 1996 10 01.67010 | 22 24 23.54 | -13 20 52.1 |        | 413   |
| P/1996 R2 | 1996 10 01.67232 | 22 24 23.49 | -13 20 52.2 |        | 413   |
| P/1996 R2 | 1996 10 02.87280 | 22 24 00.29 | -13 21 27.2 | 17.5 T | 587   |
| P/1996 R2 | 1996 10 02.88657 | 22 24 00.03 | -13 21 27.8 |        | 587   |
| P/1996 R2 | 1996 10 02.92476 | 22 23 59.25 | -13 21 28.9 |        | 587   |
| P/1996 R2 | 1996 10 03.77789 | 22 23 43.90 | -13 21 41.0 |        | 118   |
| P/1996 R2 | 1996 10 03.78484 | 22 23 43.79 | -13 21 41.3 | 17.3 T | 118   |
| P/1996 R2 | 1996 10 03.78762 | 22 23 43.73 | -13 21 41.3 |        | 118   |
| P/1996 R2 | 1996 10 04.55538 | 22 23 30.49 | -13 21 46.9 | 16.9 T | 360   |
| P/1996 R2 | 1996 10 04.58299 | 22 23 29.99 | -13 21 46.8 |        | 360   |
| P/1996 R2 | 1996 10 04.58750 | 22 23 29.93 | -13 21 47.0 |        | 360   |
| P/1996 R2 | 1996 10 05.53328 | 22 23 14.97 | -13 21 47.6 | 17.3 T | 367   |
| P/1996 R2 | 1996 10 05.53613 | 22 23 14.89 | -13 21 48.4 | 17.1 T | 900   |
| P/1996 R2 | 1996 10 05.54564 | 22 23 14.80 | -13 21 47.5 |        | 367   |
| P/1996 R2 | 1996 10 05.55610 | 22 23 14.72 | -13 21 46.4 | 17.2 T | 900   |
| P/1996 R2 | 1996 10 09.53142 | 22 22 25.29 | -13 20 24.4 | 16.6 T | 360   |
| P/1996 R2 | 1996 10 09.54792 | 22 22 25.09 | -13 20 23.8 |        | 360   |
| P/1996 R2 | 1996 10 09.55313 | 22 22 25.03 | -13 20 23.5 |        | 360   |
| P/1996 R2 | 1996 10 14.85167 | 22 21 54.70 | -13 15 00.6 | 17.0 T | 046   |
| P/1996 R2 | 1996 10 14.85389 | 22 21 54.66 | -13 15 00.8 |        | 046   |
| P/1996 R2 | 1996 10 14.85573 | 22 21 54.66 | -13 15 00.4 |        | 046   |
| P/1996 R2 | 1996 10 16.04145 | 22 21 53.66 | -13 13 16.3 |        | 5 801 |
| P/1996 R2 | 1996 10 16.10481 | 22 21 53.46 | -13 13 09.7 |        | 5 801 |
| P/1996 R2 | 1996 10 16.52326 | 22 21 53.63 | -13 12 28.3 | 16.7 T | 360   |
| P/1996 R2 | 1996 10 16.52674 | 22 21 53.62 | -13 12 28.0 |        | 360   |

**2P/Encke**

|    |                  |             |             |        |     |
|----|------------------|-------------|-------------|--------|-----|
| 2P | 1996 09 19.37797 | 23 54 41.30 | +07 49 33.8 |        | 696 |
| 2P | 1996 09 19.38725 | 23 54 40.52 | +07 49 30.2 | 18.5 T | 696 |
| 2P | 1996 09 19.39440 | 23 54 39.91 | +07 49 27.3 | 18.9 T | 696 |
| 2P | 1996 10 04.19975 | 23 34 19.29 | +06 01 34.3 | 19.4 T | 691 |
| 2P | 1996 10 04.22096 | 23 34 17.53 | +06 01 24.2 | 19.4 T | 691 |
| 2P | 1996 10 05.60295 | 23 32 24.64 | +05 50 30.6 | 19.4 T | 360 |
| 2P | 1996 10 05.60781 | 23 32 24.25 | +05 50 28.1 |        | 360 |
| 2P | 1996 10 12.16905 | 23 23 44.82 | +04 58 11.3 | 19.6 T | 691 |
| 2P | 1996 10 12.19038 | 23 23 42.91 | +04 58 01.4 | 19.7 T | 691 |
| 2P | 1996 10 12.21163 | 23 23 41.25 | +04 57 51.8 | 19.6 T | 691 |
| 2P | 1996 10 16.55573 | 23 18 18.15 | +04 23 33.1 | 18.9 T | 360 |
| 2P | 1996 10 16.56042 | 23 18 17.79 | +04 23 30.3 |        | 360 |

**22P/Kopff**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 22P | 1996 08 05.86795 | 19 28 48.44 | -22 41 50.6 | 13.2 T | 113 |
| 22P | 1996 08 05.87821 | 19 28 48.67 | -22 41 55.1 | 13.0 T | 113 |
| 22P | 1996 08 20.86667 | 19 39 07.12 | -23 51 19.3 | 14.5 T | 113 |
| 22P | 1996 08 20.87291 | 19 39 07.49 | -23 51 22.4 | 14.1 T | 113 |
| 22P | 1996 08 20.90391 | 19 39 09.14 | -23 51 26.9 | 14.1 T | 113 |
| 22P | 1996 09 03.84897 | 19 54 08.38 | -24 12 58.8 | 14.7 T | 113 |
| 22P | 1996 09 03.89116 | 19 54 11.36 | -24 12 59.4 | 14.8 T | 113 |
| 22P | 1996 09 30.76822 | 20 33 37.33 | -23 06 42.0 | 14.8 T | 046 |
| 22P | 1996 09 30.76994 | 20 33 37.51 | -23 06 41.7 |        | 046 |
| 22P | 1996 09 30.77336 | 20 33 37.83 | -23 06 40.8 |        | 046 |
| 22P | 1996 09 30.78375 | 20 33 38.76 | -23 06 38.0 | 14.6 T | 118 |
| 22P | 1996 09 30.79200 | 20 33 39.56 | -23 06 36.0 |        | 118 |
| 22P | 1996 09 30.79476 | 20 33 39.83 | -23 06 34.8 |        | 118 |
| 22P | 1996 10 04.47743 | 20 39 45.30 | -22 48 05.9 | 12.0 T | 360 |
| 22P | 1996 10 04.48056 | 20 39 45.61 | -22 48 04.8 |        | 360 |
| 22P | 1996 10 04.72914 | 20 40 10.67 | -22 46 47.8 |        | 118 |
| 22P | 1996 10 04.73336 | 20 40 11.13 | -22 46 46.6 | 13.9 T | 118 |
| 22P | 1996 10 05.47675 | 20 41 25.55 | -22 42 45.2 | 14.6 T | 900 |
| 22P | 1996 10 05.48667 | 20 41 26.52 | -22 42 41.9 | 14.7 T | 900 |
| 22P | 1996 10 05.49116 | 20 41 27.02 | -22 42 40.1 | 13.9 T | 367 |
| 22P | 1996 10 05.49601 | 20 41 27.43 | -22 42 40.4 |        | 367 |
| 22P | 1996 10 11.74116 | 20 52 03.47 | -22 06 06.1 |        | 046 |
| 22P | 1996 10 11.74531 | 20 52 03.89 | -22 06 04.5 |        | 046 |
| 22P | 1996 10 11.74738 | 20 52 04.10 | -22 06 03.9 |        | 046 |
| 22P | 1996 10 15.98306 | 20 59 22.85 | -21 38 22.6 |        | 801 |
| 22P | 1996 10 16.00381 | 20 59 25.02 | -21 38 16.6 |        | 801 |
| 22P | 1996 10 16.47014 | 21 00 13.54 | -21 35 04.3 | 12.1 T | 360 |
| 22P | 1996 10 16.47309 | 21 00 13.84 | -21 35 03.0 |        | 360 |

**43P/Wolf-Harrington**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 43P | 1996 06 15.56026 | 21 09 59.27 | +02 32 08.3 | 22.1 T | 568 |
| 43P | 1996 06 15.57280 | 21 09 59.08 | +02 32 12.2 | 21.7 T | 568 |
| 43P | 1996 06 15.58566 | 21 09 58.87 | +02 32 15.9 | 21.9 T | 568 |

**46P/Wirtanen**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 46P | 1996 09 19.17722 | 21 03 31.01 | -33 54 50.1 | 18.8 T | 696 |
| 46P | 1996 09 19.18122 | 21 03 30.81 | -33 54 50.2 | 18.8 T | 696 |
| 46P | 1996 09 19.18572 | 21 03 30.55 | -33 54 50.4 |        | 696 |
| 46P | 1996 10 04.47101 | 20 54 52.13 | -33 31 45.3 | 18.2 T | 360 |
| 46P | 1996 10 04.48524 | 20 54 51.84 | -33 31 42.6 |        | 360 |
| 46P | 1996 10 04.49497 | 20 54 51.66 | -33 31 39.9 |        | 360 |
| 46P | 1996 10 11.15736 | 20 54 01.89 | -33 05 38.6 |        | 711 |
| 46P | 1996 10 11.17054 | 20 54 01.94 | -33 05 35.0 |        | 711 |
| 46P | 1996 10 12.14681 | 20 54 03.86 | -33 01 04.5 |        | 711 |
| 46P | 1996 10 12.16025 | 20 54 03.95 | -33 00 59.9 |        | 711 |
| 46P | 1996 10 16.43594 | 20 54 40.30 | -32 39 15.8 | 18.0 T | 360 |
| 46P | 1996 10 16.44410 | 20 54 40.31 | -32 39 13.3 |        | 360 |
| 46P | 1996 10 16.45035 | 20 54 40.45 | -32 39 11.2 |        | 360 |

**48P/Johnson**

|     |                  |             |             |        |     |
|-----|------------------|-------------|-------------|--------|-----|
| 48P | 1996 06 15.29397 | 13 25 43.27 | +08 00 30.7 | 21.0 T | 568 |
| 48P | 1996 06 15.30668 | 13 25 43.24 | +08 00 27.5 | 21.0 T | 568 |
| 48P | 1996 06 15.31941 | 13 25 43.15 | +08 00 25.1 | 21.2 T | 568 |

| 57P/du Toit-Neujmin-Delporte |                  |             |             |        |       |  |
|------------------------------|------------------|-------------|-------------|--------|-------|--|
| 57P                          | 1996 09 19.35978 | 02 49 23.25 | +14 56 34.5 | 16.7 T | 696   |  |
| 57P                          | 1996 09 19.36622 | 02 49 23.13 | +14 56 33.5 | 16.3 T | 696   |  |
| 57P                          | 1996 09 19.37013 | 02 49 23.05 | +14 56 32.7 |        | 696   |  |
| 57P                          | 1996 10 01.00719 | 02 43 46.73 | +14 13 16.8 | 16.7 T | 6 118 |  |
| 57P                          | 1996 10 03.94637 | 02 41 49.29 | +13 59 54.6 |        | 7 118 |  |
| 57P                          | 1996 10 03.95272 | 02 41 49.05 | +13 59 53.4 |        | 7 118 |  |
| 57P                          | 1996 10 03.95973 | 02 41 48.72 | +13 59 51.1 | 14.6 T | 7 118 |  |
| 57P                          | 1996 10 03.96610 | 02 41 48.45 | +13 59 49.1 |        | 7 118 |  |
| 57P                          | 1996 10 05.66636 | 02 40 35.18 | +13 51 44.2 | 15.3 T | 900   |  |
| 57P                          | 1996 10 05.67914 | 02 40 34.60 | +13 51 40.1 | 15.1 T | 900   |  |
| 57P                          | 1996 10 10.63125 | 02 36 43.13 | +13 26 40.7 | 15.2 T | 360   |  |
| 57P                          | 1996 10 10.63628 | 02 36 42.89 | +13 26 39.2 |        | 360   |  |
| 57P                          | 1996 10 10.64340 | 02 36 42.50 | +13 26 37.1 |        | 360   |  |
| 73P/Schwassmann-Wachmann 3   |                  |             |             |        |       |  |
| 73P                          | 1996 09 20.45135 | 04 29 11.53 | +17 56 31.6 | 23.1 T | 696   |  |
| 73P                          | 1996 09 20.45874 | 04 29 11.54 | +17 56 31.8 |        | 696   |  |
| 73P                          | 1996 09 20.46616 | 04 29 11.43 | +17 56 31.2 | 22.8 T | 696   |  |
| 73P                          | 1996 09 21.44932 | 04 29 02.77 | +17 56 24.9 | 22.5 T | 696   |  |
| 73P                          | 1996 09 21.45998 | 04 29 02.69 | +17 56 24.9 |        | 696   |  |
| 74P/Smirnova-Chernykh        |                  |             |             |        |       |  |
| 74P                          | 1996 10 05.56250 | 22 40 21.65 | -17 03 20.0 | 18.2 T | 360   |  |
| 74P                          | 1996 10 05.56736 | 22 40 21.53 | -17 03 19.9 |        | 360   |  |
| 74P                          | 1996 10 05.57361 | 22 40 21.41 | -17 03 20.1 |        | 360   |  |
| 74P                          | 1996 10 14.10147 | 22 37 31.34 | -17 08 37.7 | 18.9 T | 709   |  |
| 74P                          | 1996 10 14.11669 | 22 37 31.07 | -17 08 38.0 | 19.1 T | 709   |  |
| 74P                          | 1996 10 14.12855 | 22 37 30.85 | -17 08 38.2 | 18.8 T | 709   |  |
| 74P                          | 1996 10 14.14242 | 22 37 30.60 | -17 08 38.4 | 18.9 T | 709   |  |
| 74P                          | 1996 10 16.53160 | 22 36 52.73 | -17 08 54.2 | 18.1 T | 360   |  |
| 74P                          | 1996 10 16.53715 | 22 36 52.66 | -17 08 54.4 |        | 360   |  |
| 77P/Longmore                 |                  |             |             |        |       |  |
| 77P                          | 1996 10 01.59427 | 19 04 35.73 | -48 04 55.8 |        | 413   |  |
| 81P/Wild 2                   |                  |             |             |        |       |  |
| 81P                          | 1996 09 19.42742 | 06 56 36.91 | +20 14 23.2 | 16.3 T | 696   |  |
| 81P                          | 1996 09 19.43133 | 06 56 37.17 | +20 14 23.0 |        | 696   |  |
| 81P                          | 1996 09 19.43493 | 06 56 37.58 | +20 14 22.4 |        | 696   |  |
| 81P                          | 1996 10 10.78694 | 07 26 46.84 | +19 16 03.1 | 15.3 T | 867   |  |
| 81P                          | 1996 10 10.79007 | 07 26 47.10 | +19 16 03.1 |        | 867   |  |
| 81P                          | 1996 10 10.79308 | 07 26 47.34 | +19 16 02.5 |        | 867   |  |
| 81P                          | 1996 10 11.49384 | 07 27 43.31 | +19 13 48.8 |        | 711   |  |
| 81P                          | 1996 10 11.49557 | 07 27 43.36 | +19 13 49.3 |        | 711   |  |
| 81P                          | 1996 10 12.49622 | 07 29 03.02 | +19 10 43.7 |        | 711   |  |
| 81P                          | 1996 10 12.50090 | 07 29 03.38 | +19 10 42.9 |        | 711   |  |
| 81P                          | 1996 10 20.82274 | 07 39 42.80 | +18 43 57.0 | 15.0 T | 360   |  |
| 81P                          | 1996 10 20.82622 | 07 39 43.05 | +18 43 56.0 |        | 360   |  |
| 111P/Helin-Roman-Crockett    |                  |             |             |        |       |  |
| 111P                         | 1996 09 19.47062 | 07 29 03.49 | +22 05 24.5 | 22.0 T | 696   |  |
| 111P                         | 1996 09 19.47455 | 07 29 03.69 | +22 05 24.3 | 21.6 T | 696   |  |
| 111P                         | 1996 09 19.48278 | 07 29 04.27 | +22 05 23.0 | 21.8 T | 696   |  |

| 118P/Shoemaker-Levy 4 |                  |             |             |        |       |  |
|-----------------------|------------------|-------------|-------------|--------|-------|--|
| 118P                  | 1996 10 10.73507 | 05 30 17.48 | +11 21 11.0 | 15.3 T | 360   |  |
| 118P                  | 1996 10 10.73872 | 05 30 17.66 | +11 21 10.0 |        | 360   |  |
| 118P                  | 1996 10 10.77965 | 05 30 19.74 | +11 20 58.8 | 15.0 T | 867   |  |
| 118P                  | 1996 10 10.78278 | 05 30 19.93 | +11 20 58.1 |        | 867   |  |
| 121P/Shoemaker-Holt 2 |                  |             |             |        |       |  |
| 121P                  | 1996 10 04.08426 | 09 15 31.40 | +20 45 42.7 |        | 118   |  |
| 121P                  | 1996 10 04.09748 | 09 15 32.68 | +20 45 41.1 |        | 118   |  |
| 121P                  | 1996 10 04.10571 | 09 15 33.47 | +20 45 39.7 | 16.2 T | 118   |  |
| 121P                  | 1996 10 20.83160 | 09 41 44.82 | +20 15 00.8 | 16.0 T | 360   |  |
| 121P                  | 1996 10 20.83576 | 09 41 45.17 | +20 15 00.3 |        | 360   |  |
| 121P                  | 1996 10 20.84063 | 09 41 45.60 | +20 14 59.9 |        | 360   |  |
| 126P/IRAS             |                  |             |             |        |       |  |
| 126P                  | 1996 10 04.52431 | 21 45 53.41 | -37 31 58.1 | 12.4 T | 360   |  |
| 126P                  | 1996 10 04.52760 | 21 45 53.17 | -37 31 48.3 |        | 360   |  |
| 126P                  | 1996 10 05.50272 | 21 44 49.53 | -36 43 17.6 | 14.1 T | 900   |  |
| 126P                  | 1996 10 05.50434 | 21 44 49.44 | -36 43 13.3 | 12.3 T | 367   |  |
| 126P                  | 1996 10 05.51033 | 21 44 49.16 | -36 42 53.5 | 14.1 T | 900   |  |
| 126P                  | 1996 10 05.51162 | 21 44 48.91 | -36 42 51.7 |        | 367   |  |
| 126P                  | 1996 10 09.50382 | 21 41 14.83 | -33 24 26.6 | 14.0 T | 900   |  |
| 126P                  | 1996 10 09.51238 | 21 41 14.35 | -33 24 01.1 | 14.0 T | 900   |  |
| 126P                  | 1996 10 11.46892 | 21 39 55.08 | -31 47 25.7 | 12.3 T | 360   |  |
| 126P                  | 1996 10 11.47222 | 21 39 54.97 | -31 47 16.1 |        | 360   |  |
| 127P/Holt-Olmstead    |                  |             |             |        |       |  |
| 127P                  | 1996 06 16.54568 | 22 25 48.95 | -28 30 54.7 |        | 568   |  |
| 127P                  | 1996 06 16.55853 | 22 25 49.33 | -28 30 55.8 | 21.2 T | 568   |  |
| 127P                  | 1996 06 16.57117 | 22 25 49.71 | -28 30 57.0 | 21.3 T | 568   |  |
| 127P                  | 1996 09 19.19035 | 21 39 56.72 | -29 50 23.5 | 20.1 T | 696   |  |
| 127P                  | 1996 09 19.19434 | 21 39 56.59 | -29 50 21.6 | 20.1 T | 696   |  |
| 128P/Shoemaker-Holt 1 |                  |             |             |        |       |  |
| 128P-A                | 1996 09 16.36701 | 22 53 33.80 | -02 18 00.4 |        | 8 568 |  |
| 128P-B                | 1996 09 16.36701 | 22 53 33.31 | -02 18 04.9 |        | 8 568 |  |
| 128P-B                | 1996 09 16.38333 | 22 53 33.22 | -02 18 04.5 |        | 1 568 |  |
| 128P-A                | 1996 09 16.41909 | 22 53 31.51 | -02 18 18.0 |        | 1 568 |  |
| 128P-B                | 1996 09 16.41909 | 22 53 32.01 | -02 18 13.2 |        | 1 568 |  |
| 128P-A                | 1996 09 16.43407 | 22 53 30.90 | -02 18 23.0 |        | 568   |  |
| 128P-B                | 1996 09 16.43407 | 22 53 31.38 | -02 18 18.2 |        | 568   |  |
| 128P-A                | 1996 09 16.45450 | 22 53 30.17 | -02 18 28.6 |        | 568   |  |
| 128P-B                | 1996 09 16.45450 | 22 53 30.66 | -02 18 24.1 |        | 568   |  |
| 129P/Shoemaker-Levy 3 |                  |             |             |        |       |  |
| 129P                  | 1996 10 17.99750 | 01 39 09.25 | +17 39 57.9 | 19.3 T | 010   |  |
| 129P                  | 1996 10 18.00267 | 01 39 08.97 | +17 39 56.9 | 19.2 T | 010   |  |
| 129P                  | 1996 10 18.01193 | 01 39 08.60 | +17 39 54.9 | 19.3 T | 010   |  |
| 129P                  | 1996 10 18.92657 | 01 38 29.45 | +17 36 34.7 | 19.3 T | 010   |  |
| 129P                  | 1996 10 18.93547 | 01 38 29.09 | +17 36 33.2 | 19.2 T | 010   |  |
| 129P                  | 1996 10 18.94122 | 01 38 28.81 | +17 36 32.1 | 19.2 T | 010   |  |

Note 1: involved with star. 2: poor sky. 3: extremely faint. 4: weak image. 5: very faint in clouds. 6: position uncertain. 7: poor distribution of reference stars. 8: trailed image.

## OBSERVATIONS OF MINOR PLANETS

The observations are listed separately for each observatory code. Alphabetic note codes shown with some of the observations are defined according to the scheme below. Numeric codes are defined in the headings for the individual observatories.

|   |                                                     |
|---|-----------------------------------------------------|
| A | earlier approximate position inferior               |
| a | sense of motion ambiguous                           |
| B | black or dark plate                                 |
| b | bad seeing                                          |
| C | correction to earlier position                      |
| c | crowded star field                                  |
| D | declination uncertain                               |
| d | diffuse image                                       |
| E | at or near edge of plate                            |
| F | faint image                                         |
| f | involved with emulsion or plate flaw                |
| G | poor guiding                                        |
| g | no guiding                                          |
| I | involved with star                                  |
| i | inkdot measured                                     |
| J | J2000.0 rereduction of previously-reported position |
| M | measurement difficult                               |
| N | near edge of plate, measurement uncertain           |
| O | image out of focus                                  |
| o | plate measured in one direction only                |
| P | position uncertain                                  |
| p | poor image                                          |
| R | right ascension uncertain                           |
| r | poor distribution of reference stars                |
| S | poor sky                                            |
| s | streaked image                                      |
| T | time uncertain                                      |
| t | trailed image                                       |
| U | uncertain image                                     |
| u | unconfirmed image                                   |
| V | very faint image                                    |
| W | weak image                                          |
| w | weak solution                                       |

  

| Object                                                                                                        | Date               | UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag.   | N | Obs. |
|---------------------------------------------------------------------------------------------------------------|--------------------|----|-----------------|-----------------|--------|---|------|
| <b>010 Caussols</b>                                                                                           |                    |    |                 |                 |        |   |      |
| E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be] |                    |    |                 |                 |        |   |      |
| A. Maury, Observatoire de la Côte d'Azur, Avenue Copernic, F-06130 Grasse, France [maury@ocar01.obs-azur.fr]  |                    |    |                 |                 |        |   |      |
| E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu]        |                    |    |                 |                 |        |   |      |
| Observers C. Pollas, D. Albanese, A. Maury, Q. Wang                                                           |                    |    |                 |                 |        |   |      |
| Measurers E. W. Elst, B. A. Skiff                                                                             |                    |    |                 |                 |        |   |      |
| 0.9-m Schmidt telescope                                                                                       |                    |    |                 |                 |        |   |      |
| 1981 ED <sub>37</sub>                                                                                         | 1989 11 27.80486   |    | 23 38 24.42     | −03 07 48.9     | 18.2 V |   | 010  |
| 1993 TA <sub>48</sub>                                                                                         | * 1993 10 15.95625 |    | 00 26 16.97     | −03 30 44.0     | 19.0   |   | 010  |

|                       |                  |             |             |  |     |
|-----------------------|------------------|-------------|-------------|--|-----|
| 1993 TA <sub>48</sub> | 1993 10 15.96667 | 00 26 16.45 | −03 30 46.9 |  | 010 |
| 1993 TA <sub>48</sub> | 1993 10 15.97743 | 00 26 16.03 | −03 30 50.3 |  | 010 |

**033 Tautenburg**

F. Börngen, Thüringer Landessternwarte, Sternwarte 5, D-07778 Tautenburg, Germany [boerg@tls.tautenburg.de]

1.3-m Schmidt telescope

PPM

|                       |                    |             |             |      |       |
|-----------------------|--------------------|-------------|-------------|------|-------|
| 1981 TJ <sub>3</sub>  | 1994 02 14.86389   | 07 11 28.93 | +22 50 04.0 | 18.1 | 033   |
| 1981 TJ <sub>3</sub>  | 1994 02 14.93472   | 07 11 27.28 | +22 50 08.8 |      | 033   |
| 1981 TJ <sub>3</sub>  | 1994 02 15.95799   | 07 11 05.93 | +22 51 28.7 |      | 033   |
| 1981 TJ <sub>3</sub>  | 1994 02 16.98194   | 07 10 46.09 | +22 52 45.1 |      | 033   |
| 1991 GG <sub>10</sub> | 1994 02 14.86389   | 07 14 02.59 | +23 32 13.6 | 18.0 | 033   |
| 1991 GG <sub>10</sub> | 1994 02 14.93472   | 07 14 01.48 | +23 32 26.3 |      | 033   |
| 1991 GG <sub>10</sub> | 1994 02 15.95799   | 07 13 48.98 | +23 35 12.1 |      | 033   |
| 1991 GG <sub>10</sub> | 1994 02 16.98194   | 07 13 39.06 | +23 37 50.8 |      | 033   |
| 1994 CZ <sub>18</sub> | * 1994 02 14.86389 | 07 11 47.43 | +24 33 32.1 | 17.9 | 033   |
| 1994 CZ <sub>18</sub> | 1994 02 14.93472   | 07 11 45.33 | +24 33 29.4 |      | 033   |
| 1994 CZ <sub>18</sub> | 1994 02 15.95799   | 07 11 15.35 | +24 32 53.6 |      | 033   |
| 1994 CZ <sub>18</sub> | 1994 02 16.98194   | 07 10 47.56 | +24 32 13.1 |      | 033   |
| (192)                 | 1994 04 03.81771   | 07 47 19.76 | +24 51 45.3 | 13.2 | 033   |
| (192)                 | 1994 04 03.85729   | 07 47 21.40 | +24 51 33.9 |      | 033   |
| (192)                 | 1994 04 06.84201   | 07 49 32.81 | +24 37 22.1 |      | 033   |
| (208)                 | 1994 02 14.86389   | 07 16 05.54 | +24 33 19.6 | 14.6 | 033   |
| (208)                 | 1994 02 14.93472   | 07 16 03.46 | +24 33 20.2 |      | 033   |
| (208)                 | 1994 02 15.95799   | 07 15 35.68 | +24 33 19.7 |      | 033   |
| (208)                 | 1994 02 16.98194   | 07 15 09.58 | +24 33 16.0 |      | 033   |
| (522)                 | 1994 04 03.81771   | 07 49 23.15 | +22 09 27.4 | 16.5 | 033   |
| (522)                 | 1994 04 03.85729   | 07 49 23.96 | +22 09 26.5 |      | 033   |
| (522)                 | 1994 04 06.84201   | 07 50 30.62 | +22 07 41.7 |      | 033   |
| (917)                 | 1994 04 03.81771   | 07 48 22.66 | +23 58 39.8 | 18.3 | 033   |
| (917)                 | 1994 04 03.85729   | 07 48 23.80 | +23 58 31.9 |      | 033   |
| (917)                 | 1994 04 06.84201   | 07 50 07.67 | +23 48 07.6 |      | 033   |
| (1454)                | 1994 04 03.81771   | 07 43 40.04 | +24 36 45.0 | 17.7 | 033   |
| (1454)                | 1994 04 03.85729   | 07 43 42.85 | +24 36 29.6 |      | 033   |
| (1454)                | 1994 04 06.84201   | 07 47 29.27 | +24 17 04.7 |      | 033   |
| (1721)                | 1994 04 03.81771   | 07 45 46.54 | +22 48 35.0 | 18.0 | 033   |
| (1721)                | 1994 04 03.85729   | 07 45 47.58 | +22 48 22.9 |      | 033   |
| (1721)                | 1994 04 06.84201   | 07 47 17.94 | +22 32 47.5 |      | 033   |
| (2097)                | 1994 02 14.86389   | 07 20 52.79 | +24 15 46.9 | 18.4 | F 033 |
| (2097)                | 1994 02 14.93472   | 07 20 50.53 | +24 15 45.7 |      | 033   |
| (2097)                | 1994 02 15.95799   | 07 20 19.99 | +24 15 27.0 |      | 033   |
| (2097)                | 1994 02 16.98194   | 07 19 50.83 | +24 15 05.2 |      | 033   |
| (3296)                | 1994 02 14.86389   | 07 10 56.68 | +24 54 47.6 | 17.1 | 033   |
| (3296)                | 1994 02 14.93472   | 07 10 54.94 | +24 55 07.9 |      | 033   |
| (3296)                | 1994 02 15.95799   | 07 10 31.30 | +24 59 54.0 |      | 033   |
| (3296)                | 1994 02 16.98194   | 07 10 09.67 | +25 04 33.9 |      | 033   |
| (3694)                | 1994 02 14.86389   | 07 21 49.63 | +23 39 31.9 | 17.3 | 033   |
| (3694)                | 1994 02 14.93472   | 07 21 47.78 | +23 39 30.4 |      | 033   |
| (3694)                | 1994 02 15.95799   | 07 21 22.20 | +23 39 05.2 |      | 033   |
| (3694)                | 1994 02 16.98194   | 07 20 57.95 | +23 38 37.8 |      | 033   |
| (3701)                | 1994 02 14.86389   | 07 19 53.91 | +22 51 41.7 | 17.5 | 033   |
| (3701)                | 1994 02 14.93472   | 07 19 52.02 | +22 51 51.4 |      | 033   |

|        |                  |             |             |      |     |
|--------|------------------|-------------|-------------|------|-----|
| (3701) | 1994 02 15.95799 | 07 19 26.32 | +22 54 13.7 |      | 033 |
| (3701) | 1994 02 16.98194 | 07 19 02.43 | +22 56 31.2 |      | 033 |
| (3832) | 1994 02 14.86389 | 07 10 11.04 | +23 55 09.5 | 18.3 | 033 |
| (3832) | 1994 02 14.93472 | 07 10 09.27 | +23 55 10.7 |      | 033 |
| (3832) | 1994 02 15.95799 | 07 09 46.24 | +23 55 25.9 |      | 033 |
| (3832) | 1994 02 16.98194 | 07 09 24.81 | +23 55 37.5 |      | 033 |
| (4098) | 1994 02 14.86389 | 07 14 26.21 | +23 46 04.4 | 18.9 | 033 |
| (4098) | 1994 02 14.93472 | 07 14 24.62 | +23 46 09.3 |      | 033 |
| (4098) | 1994 02 15.95799 | 07 14 02.97 | +23 47 20.1 |      | 033 |
| (4098) | 1994 02 16.98194 | 07 13 43.01 | +23 48 26.9 |      | 033 |
| (4193) | 1994 02 14.86389 | 07 12 27.66 | +21 57 46.8 | 18.2 | 033 |
| (4193) | 1994 02 14.93472 | 07 12 25.86 | +21 57 51.6 |      | 033 |
| (4193) | 1994 02 15.95799 | 07 12 01.43 | +21 59 08.6 |      | 033 |
| (4193) | 1994 02 16.98194 | 07 11 38.58 | +22 00 21.9 |      | 033 |
| (6386) | 1994 02 14.86389 | 07 21 11.83 | +23 20 14.9 | 17.0 | 033 |
| (6386) | 1994 02 14.93472 | 07 21 10.22 | +23 20 36.0 |      | 033 |
| (6386) | 1994 02 15.95799 | 07 20 50.08 | +23 25 32.3 |      | 033 |
| (6386) | 1994 02 16.98194 | 07 20 32.36 | +23 30 19.4 |      | 033 |
| (6386) | 1994 04 03.81771 | 07 42 00.82 | +24 42 09.4 | 18.6 | 033 |
| (6386) | 1994 04 03.85729 | 07 42 03.23 | +24 42 07.0 |      | 033 |
| (6386) | 1994 04 06.84201 | 07 45 14.05 | +24 38 43.6 |      | 033 |

**046 Klet**

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Observers J. Tichá, M. Tichý, Z. Moravec

Measurer M. Tichý

0.57-m reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1979 SK              | 1996 09 30.87661 | 22 40 53.40 | −02 32 23.1 | 17.0 V | 046 |
| 1979 SK              | 1996 09 30.88045 | 22 40 53.30 | −02 32 23.6 |        | 046 |
| 1979 SK              | 1996 09 30.88274 | 22 40 53.23 | −02 32 24.1 |        | 046 |
| 1979 SK              | 1996 10 03.91748 | 22 39 52.73 | −02 39 21.3 | 17.1 V | 046 |
| 1979 SK              | 1996 10 03.92343 | 22 39 52.62 | −02 39 22.1 |        | 046 |
| 1979 SK              | 1996 10 03.95171 | 22 39 52.07 | −02 39 25.6 |        | 046 |
| 1980 DD <sub>1</sub> | 1996 10 04.11485 | 02 39 12.70 | +15 59 17.7 | 16.7 V | 046 |
| 1980 DD <sub>1</sub> | 1996 10 04.11885 | 02 39 12.53 | +15 59 17.6 |        | 046 |
| 1980 DD <sub>1</sub> | 1996 10 04.12301 | 02 39 12.37 | +15 59 17.3 |        | 046 |
| 1980 DD <sub>1</sub> | 1996 10 09.11788 | 02 35 36.36 | +15 56 30.0 | 16.7 V | 046 |
| 1980 DD <sub>1</sub> | 1996 10 09.12186 | 02 35 36.18 | +15 56 29.8 |        | 046 |
| 1980 DD <sub>1</sub> | 1996 10 09.12411 | 02 35 36.07 | +15 56 29.7 |        | 046 |
| 1981 QA <sub>1</sub> | 1996 10 01.05356 | 00 48 51.10 | +01 34 39.1 | 16.3 V | 046 |
| 1981 QA <sub>1</sub> | 1996 10 01.06647 | 00 48 50.48 | +01 34 31.0 |        | 046 |
| 1981 QA <sub>1</sub> | 1996 10 01.07613 | 00 48 49.99 | +01 34 24.7 |        | 046 |
| 1981 QA <sub>1</sub> | 1996 10 04.07759 | 00 46 26.31 | +01 03 36.8 | 16.4 V | 046 |
| 1981 QA <sub>1</sub> | 1996 10 04.08098 | 00 46 26.13 | +01 03 34.7 |        | 046 |
| 1981 QA <sub>1</sub> | 1996 10 04.08764 | 00 46 25.81 | +01 03 30.6 |        | 046 |
| 1981 SJ              | 1996 09 30.92918 | 00 17 06.24 | +04 00 09.1 | 16.2 V | 046 |
| 1981 SJ              | 1996 09 30.93324 | 00 17 06.03 | +04 00 08.0 |        | 046 |
| 1981 SJ              | 1996 09 30.93535 | 00 17 05.92 | +04 00 07.4 |        | 046 |
| 1981 SJ              | 1996 10 03.95642 | 00 14 37.82 | +03 45 53.0 | 16.3 V | 046 |
| 1981 SJ              | 1996 10 03.96047 | 00 14 37.61 | +03 45 51.9 |        | 046 |

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1981 SJ              | 1996 10 03.96350 | 00 14 37.46 | +03 45 51.0 |        | 046 |
| 1982 RW <sub>1</sub> | 1996 09 30.84697 | 22 07 27.19 | −15 35 13.8 | 17.4 V | 046 |
| 1982 RW <sub>1</sub> | 1996 09 30.85544 | 22 07 27.06 | −15 35 11.6 |        | 046 |
| 1982 RW <sub>1</sub> | 1996 09 30.86390 | 22 07 26.95 | −15 35 09.5 |        | 046 |
| 1982 RW <sub>1</sub> | 1996 10 03.90627 | 22 06 59.74 | −15 20 42.2 | 17.5 V | 046 |
| 1982 RW <sub>1</sub> | 1996 10 03.91142 | 22 06 59.70 | −15 20 40.6 |        | 046 |
| 1982 RW <sub>1</sub> | 1996 10 03.91368 | 22 06 59.69 | −15 20 40.0 |        | 046 |
| 1984 QJ              | 1996 10 04.09236 | 00 56 32.94 | +02 11 57.3 | 16.9 V | 046 |
| 1984 QJ              | 1996 10 04.09424 | 00 56 32.86 | +02 11 56.8 |        | 046 |
| 1984 QJ              | 1996 10 04.09641 | 00 56 32.76 | +02 11 56.2 |        | 046 |
| 1984 QJ              | 1996 10 13.99174 | 00 49 23.44 | +01 24 09.2 | 16.7 V | 046 |
| 1984 QJ              | 1996 10 13.99510 | 00 49 23.29 | +01 24 08.3 |        | 046 |
| 1984 QJ              | 1996 10 13.99847 | 00 49 23.14 | +01 24 07.3 |        | 046 |
| 1985 UQ              | 1996 10 13.07528 | 04 03 05.67 | +15 18 03.5 | 17.6 V | 046 |
| 1985 UQ              | 1996 10 13.08367 | 04 03 05.45 | +15 18 02.8 |        | 046 |
| 1985 UQ              | 1996 10 13.09144 | 04 03 05.25 | +15 18 02.3 |        | 046 |
| 1985 UQ              | 1996 10 14.04965 | 04 02 41.62 | +15 17 01.6 | 17.6 V | 046 |
| 1985 UQ              | 1996 10 14.05471 | 04 02 41.49 | +15 17 01.1 |        | 046 |
| 1985 UQ              | 1996 10 14.06146 | 04 02 41.30 | +15 17 00.7 |        | 046 |
| 1985 UQ              | 1996 10 15.14749 | 04 02 11.87 | +15 15 47.5 |        | 046 |
| 1985 UQ              | 1996 10 15.15087 | 04 02 11.77 | +15 15 47.1 |        | 046 |
| 1985 UQ              | 1996 10 15.15424 | 04 02 11.67 | +15 15 46.8 |        | 046 |
| 1988 QV              | 1996 10 13.09719 | 04 17 39.41 | +11 38 28.9 | 17.7 V | 046 |
| 1988 QV              | 1996 10 13.10272 | 04 17 39.33 | +11 38 27.4 |        | 046 |
| 1988 QV              | 1996 10 13.10609 | 04 17 39.26 | +11 38 26.3 |        | 046 |
| 1988 QV              | 1996 10 14.07056 | 04 17 24.09 | +11 33 42.1 | 17.5 V | 046 |
| 1988 QV              | 1996 10 14.07730 | 04 17 23.97 | +11 33 40.2 |        | 046 |
| 1988 QV              | 1996 10 14.08405 | 04 17 23.84 | +11 33 38.2 |        | 046 |
| 1988 VR <sub>5</sub> | 1996 09 30.91177 | 23 19 22.93 | +12 34 22.3 | 16.4 V | 046 |
| 1988 VR <sub>5</sub> | 1996 09 30.92192 | 23 19 22.55 | +12 34 14.7 |        | 046 |
| 1988 VR <sub>5</sub> | 1996 09 30.96392 | 23 19 21.04 | +12 33 42.8 |        | 046 |
| 1988 VR <sub>5</sub> | 1996 10 01.76189 | 23 18 54.47 | +12 23 36.8 | 16.4 V | 046 |
| 1988 VR <sub>5</sub> | 1996 10 01.77267 | 23 18 54.09 | +12 23 28.4 |        | 046 |
| 1988 VR <sub>5</sub> | 1996 10 01.79603 | 23 18 53.30 | +12 23 10.9 |        | 046 |
| 1989 TJ <sub>2</sub> | 1996 10 04.13168 | 02 56 42.49 | +25 14 27.9 | 16.3 V | 046 |
| 1989 TJ <sub>2</sub> | 1996 10 04.13505 | 02 56 42.41 | +25 14 28.4 |        | 046 |
| 1989 TJ <sub>2</sub> | 1996 10 04.14022 | 02 56 42.27 | +25 14 29.1 |        | 046 |
| 1989 TJ <sub>2</sub> | 1996 10 09.13016 | 02 54 19.78 | +25 25 39.7 | 16.8 V | 046 |
| 1989 TJ <sub>2</sub> | 1996 10 09.13352 | 02 54 19.66 | +25 25 40.0 |        | 046 |
| 1989 TJ <sub>2</sub> | 1996 10 09.13520 | 02 54 19.62 | +25 25 40.2 |        | 046 |
| 1990 RK <sub>2</sub> | 1996 09 30.78056 | 20 45 15.02 | −16 36 08.0 | 18.3 V | 046 |
| 1990 RK <sub>2</sub> | 1996 09 30.78773 | 20 45 15.23 | −16 36 08.0 |        | 046 |
| 1990 RK <sub>2</sub> | 1996 09 30.79197 | 20 45 15.32 | −16 36 08.0 |        | 046 |
| 1995 EN              | 1996 09 20.03183 | 00 43 24.71 | +03 23 57.8 | 18.0 V | 046 |
| 1995 EN              | 1996 09 20.03368 | 00 43 24.56 | +03 23 57.5 |        | 046 |
| 1995 EN              | 1996 09 20.03620 | 00 43 24.44 | +03 23 56.6 |        | 046 |
| 1995 EN              | 1996 09 30.96889 | 00 31 35.48 | +02 44 03.3 | 17.2 V | 046 |
| 1995 EN              | 1996 09 30.97266 | 00 31 35.23 | +02 44 02.4 |        | 046 |
| 1995 EN              | 1996 09 30.97490 | 00 31 35.07 | +02 44 02.1 |        | 046 |
| 1995 JC              | 1996 10 13.05801 | 01 45 07.83 | +08 08 33.2 | 18.7 V | 046 |
| 1995 JC              | 1996 10 13.05969 | 01 45 07.67 | +08 08 33.1 |        | 046 |
| 1995 JC              | 1996 10 13.06138 | 01 45 07.60 | +08 08 32.5 |        | 046 |

|                      |                  |             |             |        |     |                       |                    |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1995 JC              | 1996 10 14.00389 | 01 44 14.33 | +08 04 42.3 | 18.6 V | 046 | 1996 RU               | 1996 09 19.08038   | 00 27 57.13 | +04 55 13.0 | 18.0 V | 046 |
| 1995 JC              | 1996 10 14.00785 | 01 44 14.11 | +08 04 41.3 |        | 046 | 1996 RU               | 1996 09 19.09117   | 00 27 56.61 | +04 55 11.3 |        | 046 |
| 1995 JC              | 1996 10 14.01017 | 01 44 13.99 | +08 04 40.5 |        | 046 | 1996 RU               | 1996 09 19.09308   | 00 27 56.51 | +04 55 10.6 |        | 046 |
| 1995 KH              | 1996 09 20.04323 | 00 47 57.25 | +02 55 55.4 | 19.2 V | 046 | 1996 RU               | 1996 09 20.02293   | 00 27 15.44 | +04 51 45.4 | 18.0 V | 046 |
| 1995 KH              | 1996 09 20.04561 | 00 47 57.15 | +02 55 54.4 |        | 046 | 1996 RU               | 1996 09 20.02558   | 00 27 15.32 | +04 51 45.1 |        | 046 |
| 1995 KH              | 1996 09 20.04799 | 00 47 57.01 | +02 55 52.7 |        | 046 | 1996 RU               | 1996 09 20.02780   | 00 27 15.20 | +04 51 44.6 |        | 046 |
| 1995 KH              | 1996 10 03.98249 | 00 34 48.82 | +01 20 09.4 | 18.6 V | 046 | 1996 RU               | 1996 09 30.94222   | 00 18 45.44 | +04 06 30.7 | 17.4 V | 046 |
| 1995 KH              | 1996 10 03.99184 | 00 34 48.26 | +01 20 05.5 |        | 046 | 1996 RU               | 1996 09 30.94729   | 00 18 45.19 | +04 06 29.2 |        | 046 |
| 1995 KH              | 1996 10 03.99772 | 00 34 47.90 | +01 20 03.1 |        | 046 | 1996 RU               | 1996 09 30.95043   | 00 18 45.02 | +04 06 28.4 |        | 046 |
| 1996 OK              | 1996 10 11.78804 | 21 19 21.25 | -24 03 57.8 | 18.9 V | 046 | 1996 RU               | 1996 10 03.96670   | 00 16 25.82 | +03 53 18.2 | 17.6 V | 046 |
| 1996 OK              | 1996 10 11.79079 | 21 19 21.41 | -24 03 57.6 |        | 046 | 1996 RU               | 1996 10 03.97264   | 00 16 25.52 | +03 53 16.6 |        | 046 |
| 1996 OK              | 1996 10 11.79311 | 21 19 21.63 | -24 03 56.6 |        | 046 | 1996 RU               | 1996 10 03.97616   | 00 16 25.37 | +03 53 15.7 |        | 046 |
| 1996 OK              | 1996 10 14.77306 | 21 23 09.17 | -23 49 39.9 | 18.2 V | 046 | 1996 RU               | 1996 10 11.88920   | 00 10 54.43 | +03 20 30.7 | 17.6 R | 046 |
| 1996 OK              | 1996 10 14.77694 | 21 23 09.45 | -23 49 39.4 |        | 046 | 1996 RU               | 1996 10 11.89338   | 00 10 54.25 | +03 20 29.9 |        | 046 |
| 1996 OK              | 1996 10 14.77963 | 21 23 09.69 | -23 49 38.4 |        | 046 | 1996 RU               | 1996 10 11.89843   | 00 10 53.99 | +03 20 29.1 |        | 046 |
| 1996 ON              | 1996 09 30.81139 | 20 49 44.63 | -11 16 48.0 | 18.1 V | 046 | 1996 RG <sub>3</sub>  | 1996 10 14.84325   | 21 59 25.74 | -17 01 55.0 | 18.7 V | 046 |
| 1996 ON              | 1996 09 30.82162 | 20 49 45.09 | -11 16 47.4 |        | 046 | 1996 RG <sub>3</sub>  | 1996 10 14.84532   | 21 59 25.44 | -17 01 58.8 |        | 046 |
| 1996 ON              | 1996 09 30.82385 | 20 49 45.13 | -11 16 47.3 |        | 046 | 1996 RG <sub>3</sub>  | 1996 10 14.84778   | 21 59 25.21 | -17 02 00.3 |        | 046 |
| 1996 ON              | 1996 10 11.77697 | 21 00 02.17 | -10 53 54.5 | 18.3 V | 046 | 1996 RS <sub>23</sub> | 1996 10 03.91748   | 22 39 52.75 | -02 42 54.9 | 17.6 V | 046 |
| 1996 ON              | 1996 10 11.77899 | 21 00 02.33 | -10 53 53.9 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 03.91939   | 22 39 52.72 | -02 42 56.1 |        | 046 |
| 1996 ON              | 1996 10 11.78168 | 21 00 02.50 | -10 53 53.9 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 03.92122   | 22 39 52.69 | -02 42 57.2 |        | 046 |
| 1996 ON              | 1996 10 14.80133 | 21 03 29.65 | -10 44 49.6 | 18.7 V | 046 | 1996 RS <sub>23</sub> | 1996 10 03.92343   | 22 39 52.64 | -02 42 58.5 |        | 046 |
| 1996 ON              | 1996 10 14.80324 | 21 03 29.80 | -10 44 48.9 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 03.94828   | 22 39 52.19 | -02 43 14.1 |        | 046 |
| 1996 ON              | 1996 10 14.80509 | 21 03 29.92 | -10 44 48.8 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 03.95171   | 22 39 52.15 | -02 43 16.4 |        | 046 |
| 1996 OX              | 1996 09 30.80207 | 20 47 46.97 | -16 56 49.5 | 18.1 V | 046 | 1996 RS <sub>23</sub> | 1996 10 11.81091   | 22 38 26.26 | -04 00 23.6 | 17.7 V | 046 |
| 1996 OX              | 1996 09 30.80543 | 20 47 47.09 | -16 56 49.7 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 11.81306   | 22 38 26.27 | -04 00 24.8 |        | 046 |
| 1996 OX              | 1996 09 30.80733 | 20 47 47.18 | -16 56 49.8 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 11.81506   | 22 38 26.24 | -04 00 26.0 |        | 046 |
| 1996 OX              | 1996 10 11.76595 | 20 56 44.92 | -16 52 50.7 | 18.5 V | 046 | 1996 RS <sub>23</sub> | 1996 10 11.81700   | 22 38 26.21 | -04 00 27.0 |        | 046 |
| 1996 OX              | 1996 10 11.76932 | 20 56 45.12 | -16 52 50.2 |        | 046 | 1996 RS <sub>23</sub> | 1996 10 11.82015   | 22 38 26.18 | -04 00 28.5 |        | 046 |
| 1996 OX              | 1996 10 11.77101 | 20 56 45.19 | -16 52 50.2 |        | 046 | 1996 SK               | 1996 10 14.83317   | 21 56 34.58 | -11 04 57.4 | 18.6 V | 046 |
| 1996 OX              | 1996 10 14.79127 | 20 59 46.21 | -16 48 14.5 | 18.5 V | 046 | 1996 SK               | 1996 10 14.83513   | 21 56 34.30 | -11 04 58.3 |        | 046 |
| 1996 OX              | 1996 10 14.79340 | 20 59 46.34 | -16 48 14.7 |        | 046 | 1996 SK               | 1996 10 14.83696   | 21 56 34.10 | -11 04 59.4 |        | 046 |
| 1996 QZ              | 1996 08 22.97987 | 23 23 16.93 | -07 10 32.0 | 18.9 V | 046 | 1996 SP <sub>7</sub>  | * 1996 09 30.91177 | 23 19 17.68 | +12 34 34.0 | 17.8 V | 046 |
| 1996 QZ              | 1996 08 22.98709 | 23 23 16.52 | -07 10 33.6 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.91347   | 23 19 17.69 | +12 34 34.2 |        | 046 |
| 1996 QZ              | 1996 08 22.99633 | 23 23 16.22 | -07 10 39.3 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.91515   | 23 19 17.66 | +12 34 33.2 |        | 046 |
| 1996 QZ              | 1996 08 23.03213 | 23 23 14.84 | -07 10 56.4 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.91685   | 23 19 17.62 | +12 34 31.7 |        | 046 |
| 1996 QZ              | 1996 08 23.03429 | 23 23 14.83 | -07 10 56.2 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.91853   | 23 19 17.55 | +12 34 30.8 |        | 046 |
| 1996 QZ              | 1996 08 23.03821 | 23 23 14.70 | -07 10 58.2 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.92192   | 23 19 17.43 | +12 34 29.3 |        | 046 |
| 1996 QZ              | 1996 08 24.00101 | 23 22 39.25 | -07 18 16.5 | 18.9 V | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.95659   | 23 19 16.54 | +12 34 09.7 | 18.0 V | 046 |
| 1996 QZ              | 1996 08 24.00719 | 23 22 38.99 | -07 18 19.0 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.95852   | 23 19 16.48 | +12 34 09.5 |        | 046 |
| 1996 QZ              | 1996 08 24.01223 | 23 22 38.79 | -07 18 21.4 |        | 046 | 1996 SP <sub>7</sub>  | 1996 09 30.96392   | 23 19 16.32 | +12 34 06.2 |        | 046 |
| 1996 QZ              | 1996 09 10.03473 | 23 10 32.53 | -09 32 47.8 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 01.76189   | 23 18 58.37 | +12 26 42.1 | 18.0 V | 046 |
| 1996 QZ              | 1996 09 10.05647 | 23 10 31.57 | -09 32 58.5 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 01.79603   | 23 18 57.60 | +12 26 23.9 |        | 046 |
| 1996 QZ              | 1996 10 03.93038 | 22 54 59.57 | -12 04 50.8 | 19.1 V | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.80134   | 23 18 15.20 | +12 07 33.9 | 18.2 V | 046 |
| 1996 QZ              | 1996 10 03.93277 | 22 54 59.46 | -12 04 51.2 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.80311   | 23 18 15.20 | +12 07 32.9 |        | 046 |
| 1996 QZ              | 1996 10 03.93756 | 22 54 59.30 | -12 04 53.5 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.80537   | 23 18 15.12 | +12 07 31.5 |        | 046 |
| 1996 QZ              | 1996 10 03.94235 | 22 54 59.19 | -12 04 54.5 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.80725   | 23 18 15.11 | +12 07 30.6 |        | 046 |
| 1996 QA <sub>1</sub> | 1996 10 03.87965 | 21 34 23.58 | -17 40 26.9 | 19.3 V | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.80964   | 23 18 15.05 | +12 07 28.9 |        | 046 |
| 1996 QA <sub>1</sub> | 1996 10 03.89954 | 21 34 23.87 | -17 40 30.7 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.81185   | 23 18 14.94 | +12 07 28.1 |        | 046 |
| 1996 QA <sub>1</sub> | 1996 10 03.90242 | 21 34 23.88 | -17 40 31.1 |        | 046 | 1996 SP <sub>7</sub>  | 1996 10 03.81395   | 23 18 14.95 | +12 07 27.2 |        | 046 |
| 1996 RU              | 1996 09 12.02873 | 00 32 42.19 | +05 17 11.6 |        | 046 | 1996 TE               | * 1996 10 01.05356 | 00 48 59.40 | +01 37 17.2 | 18.2 V | 046 |
| 1996 RU              | 1996 09 12.03884 | 00 32 41.80 | +05 17 09.9 |        | 046 | 1996 TE               | 1996 10 01.05694   | 00 48 59.20 | +01 37 15.3 |        | 046 |

|                      |                    |             |             |            |                      |                    |             |             |            |
|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1996 TE              | 1996 10 01.05862   | 00 48 59.09 | +01 37 15.0 | 046        | 1996 TQ <sub>6</sub> | 1996 10 13.00587   | 01 54 52.32 | +00 00 41.2 | 046        |
| 1996 TE              | 1996 10 01.06647   | 00 48 58.74 | +01 37 14.2 | 046        | 1996 TQ <sub>6</sub> | 1996 10 13.00845   | 01 54 52.38 | +00 00 39.3 | 046        |
| 1996 TE              | 1996 10 01.07168   | 00 48 58.43 | +01 37 11.7 | 046        | 1996 TR <sub>6</sub> | 1996 10 11.95042   | 03 53 47.23 | +03 23 43.8 | 046        |
| 1996 TE              | 1996 10 01.07414   | 00 48 58.30 | +01 37 11.2 | 046        | 1996 TR <sub>6</sub> | 1996 10 13.01319   | 03 53 19.83 | +02 42 56.5 | 19.7 V 046 |
| 1996 TE              | 1996 10 01.07613   | 00 48 58.21 | +01 37 10.8 | 046        | 1996 TR <sub>6</sub> | 1996 10 13.01524   | 03 53 19.69 | +02 42 52.0 | 046        |
| 1996 TE              | 1996 10 03.81912   | 00 46 42.52 | +01 25 19.2 | 17.9 V 046 | 1996 TR <sub>6</sub> | 1996 10 13.01765   | 03 53 19.64 | +02 42 47.4 | 046        |
| 1996 TE              | 1996 10 03.82109   | 00 46 42.46 | +01 25 18.8 | 046        | 1996 TR <sub>6</sub> | 1996 10 13.01955   | 03 53 19.61 | +02 42 42.0 | 046        |
| 1996 TE              | 1996 10 03.82503   | 00 46 42.26 | +01 25 18.3 | 046        | 1996 TR <sub>6</sub> | 1996 10 13.02146   | 03 53 19.55 | +02 42 38.5 | 046        |
| 1996 TE              | 1996 10 03.82873   | 00 46 42.04 | +01 25 16.9 | 046        | 1996 TR <sub>6</sub> | 1996 10 15.13488   | 03 52 14.25 | +01 21 25.9 | 19.8 V 046 |
| 1996 TE              | 1996 10 03.83116   | 00 46 41.93 | +01 25 16.3 | 046        | 1996 TR <sub>6</sub> | 1996 10 15.14281   | 03 52 13.91 | +01 21 07.3 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 04.07759   | 00 45 58.70 | +01 04 17.7 | 17.8 V 046 | 1996 TD <sub>8</sub> | 1996 10 12.97190   | 01 41 23.10 | +16 51 01.4 | 16.8 V 046 |
| 1996 TR <sub>1</sub> | 1996 10 04.07928   | 00 45 58.61 | +01 04 17.0 | 046        | 1996 TD <sub>8</sub> | 1996 10 12.97388   | 01 41 23.08 | +16 50 58.7 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 04.08098   | 00 45 58.52 | +01 04 16.1 | 046        | 1996 TD <sub>8</sub> | 1996 10 12.97609   | 01 41 23.05 | +16 50 55.7 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 04.08488   | 00 45 58.34 | +01 04 14.4 | 046        | 1996 TD <sub>8</sub> | 1996 10 12.97828   | 01 41 23.03 | +16 50 52.9 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 04.08764   | 00 45 58.22 | +01 04 13.4 | 046        | 1996 TD <sub>8</sub> | 1996 10 13.84053   | 01 41 16.31 | +16 31 32.9 | 16.8 R 046 |
| 1996 TR <sub>1</sub> | 1996 10 09.10544   | 00 42 01.61 | +00 30 58.1 | 17.7 V 046 | 1996 TD <sub>8</sub> | 1996 10 13.84272   | 01 41 16.29 | +16 31 29.5 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 09.10737   | 00 42 01.49 | +00 30 57.3 | 046        | 1996 TD <sub>8</sub> | 1996 10 13.84519   | 01 41 16.26 | +16 31 26.2 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 09.10958   | 00 42 01.42 | +00 30 56.5 | 046        | 1996 TD <sub>8</sub> | 1996 10 13.84711   | 01 41 16.25 | +16 31 23.9 | 046        |
| 1996 TR <sub>1</sub> | 1996 10 09.11169   | 00 42 01.32 | +00 30 55.6 | 046        | 1996 TX <sub>8</sub> | 1996 10 13.97244   | 23 33 22.73 | +35 18 53.1 | 16.9 V 046 |
| 1996 TL <sub>3</sub> | 1996 09 20.06751   | 00 52 57.50 | +04 05 56.6 | 19.0 V 046 | 1996 TX <sub>8</sub> | 1996 10 13.97528   | 23 33 22.52 | +35 18 52.6 | 046        |
| 1996 TL <sub>3</sub> | 1996 09 20.06953   | 00 52 57.36 | +04 05 55.0 | 046        | 1996 TX <sub>8</sub> | 1996 10 13.97758   | 23 33 22.34 | +35 18 52.2 | 046        |
| 1996 TL <sub>3</sub> | 1996 09 20.07178   | 00 52 57.28 | +04 05 54.5 | 046        | 1996 TX <sub>8</sub> | 1996 10 13.97954   | 23 33 22.19 | +35 18 51.8 | 046        |
| 1996 TL <sub>3</sub> | 1996 09 20.07403   | 00 52 57.21 | +04 05 54.0 | 046        | 1996 TA <sub>9</sub> | 1996 10 12.98366   | 01 47 51.75 | +11 18 24.4 | 18.9 V 046 |
| 1996 TL <sub>3</sub> | 1996 09 20.07914   | 00 52 56.99 | +04 05 51.8 | 046        | 1996 TA <sub>9</sub> | 1996 10 12.98535   | 01 47 51.61 | +11 18 27.6 | 046        |
| 1996 TL <sub>3</sub> | * 1996 10 04.02260 | 00 42 40.31 | +02 29 04.5 | 17.6 V 046 | 1996 TA <sub>9</sub> | 1996 10 12.98704   | 01 47 51.51 | +11 18 30.3 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 04.02499   | 00 42 40.16 | +02 29 03.6 | 046        | 1996 TA <sub>9</sub> | 1996 10 12.98873   | 01 47 51.40 | +11 18 33.8 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 04.02738   | 00 42 40.06 | +02 29 02.5 | 046        | 1996 TA <sub>9</sub> | 1996 10 12.99188   | 01 47 51.26 | +11 18 40.0 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 04.03120   | 00 42 39.85 | +02 29 00.8 | 046        | 1996 TA <sub>9</sub> | 1996 10 14.03794   | 01 46 55.14 | +11 50 03.2 | 18.1 V 046 |
| 1996 TL <sub>3</sub> | 1996 10 04.03418   | 00 42 39.71 | +02 28 59.6 | 046        | 1996 TA <sub>9</sub> | 1996 10 14.03992   | 01 46 55.01 | +11 50 06.8 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 04.03677   | 00 42 39.57 | +02 28 58.5 | 046        | 1996 TA <sub>9</sub> | 1996 10 14.04185   | 01 46 54.89 | +11 50 10.4 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 04.07285   | 00 42 37.73 | +02 28 42.9 | 046        | 1996 TA <sub>9</sub> | 1996 10 14.04447   | 01 46 54.72 | +11 50 14.4 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 09.06204   | 00 38 38.01 | +01 53 11.1 | 18.0 V 046 | 1996 TB <sub>9</sub> | * 1996 10 03.93038 | 22 55 13.76 | -12 03 51.2 | 19.4 V 046 |
| 1996 TL <sub>3</sub> | 1996 10 09.06318   | 00 38 37.93 | +01 53 10.7 | 046        | 1996 TB <sub>9</sub> | 1996 10 03.93277   | 22 55 13.61 | -12 03 51.0 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 09.08475   | 00 38 36.85 | +01 53 01.6 | 046        | 1996 TB <sub>9</sub> | 1996 10 03.93516   | 22 55 13.59 | -12 03 50.5 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 09.09459   | 00 38 36.37 | +01 52 57.1 | 046        | 1996 TB <sub>9</sub> | 1996 10 03.93756   | 22 55 13.47 | -12 03 50.7 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 09.10062   | 00 38 36.10 | +01 52 54.8 | 046        | 1996 TB <sub>9</sub> | 1996 10 03.93995   | 22 55 13.36 | -12 03 51.1 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 11.91039   | 00 36 24.88 | +01 33 40.5 | 18.6 R 046 | 1996 TB <sub>9</sub> | 1996 10 11.83374   | 22 50 53.58 | -11 57 27.2 | 19.2 V 046 |
| 1996 TL <sub>3</sub> | 1996 10 11.91240   | 00 36 24.83 | +01 33 39.2 | 046        | 1996 TB <sub>9</sub> | 1996 10 11.83542   | 22 50 53.52 | -11 57 28.2 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 11.91644   | 00 36 24.57 | +01 33 37.9 | 046        | 1996 TB <sub>9</sub> | 1996 10 11.83711   | 22 50 53.49 | -11 57 28.2 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 13.92834   | 00 34 53.41 | +01 20 24.7 | 18.3 V 046 | 1996 TB <sub>9</sub> | 1996 10 11.83878   | 22 50 53.46 | -11 57 27.2 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 13.93034   | 00 34 53.31 | +01 20 24.0 | 046        | 1996 TD <sub>9</sub> | 1996 10 14.94049   | 01 37 59.61 | +14 34 18.0 | 18.9 V 046 |
| 1996 TL <sub>3</sub> | 1996 10 13.93229   | 00 34 53.22 | +01 20 23.0 | 046        | 1996 TD <sub>9</sub> | 1996 10 14.94237   | 01 37 59.39 | +14 34 09.2 | 046        |
| 1996 TL <sub>3</sub> | 1996 10 13.93466   | 00 34 53.14 | +01 20 22.2 | 046        | 1996 TD <sub>9</sub> | 1996 10 14.94464   | 01 37 59.07 | +14 33 56.6 | 046        |
| 1996 TO <sub>5</sub> | 1996 10 11.75229   | 20 54 10.22 | -19 15 51.8 | 18.5 V 046 | 1996 TD <sub>9</sub> | 1996 10 14.94684   | 01 37 58.80 | +14 33 47.0 | 046        |
| 1996 TO <sub>5</sub> | 1996 10 11.75434   | 20 54 10.30 | -19 15 54.7 | 046        | 1996 TE <sub>9</sub> | 1996 10 13.83163   | 23 09 37.62 | -05 00 06.4 | 17.7 R 046 |
| 1996 TO <sub>5</sub> | 1996 10 11.75647   | 20 54 10.44 | -19 15 57.9 | 046        | 1996 TE <sub>9</sub> | 1996 10 13.83285   | 23 09 37.49 | -04 59 59.2 | 046        |
| 1996 TO <sub>5</sub> | 1996 10 11.75917   | 20 54 10.52 | -19 16 01.4 | 046        | 1996 TE <sub>9</sub> | 1996 10 13.83402   | 23 09 37.33 | -04 59 53.4 | 046        |
| 1996 TO <sub>5</sub> | 1996 10 14.74706   | 20 56 53.26 | -20 21 31.5 | 18.3 V 046 | 1996 TE <sub>9</sub> | 1996 10 13.83574   | 23 09 37.12 | -04 59 43.6 | 046        |
| 1996 TO <sub>5</sub> | 1996 10 14.74934   | 20 56 53.31 | -20 21 35.6 | 046        | 1996 TE <sub>9</sub> | 1996 10 14.93198   | 23 07 36.47 | -03 23 32.5 | 18.0 V 046 |
| 1996 TO <sub>5</sub> | 1996 10 14.75152   | 20 56 53.49 | -20 21 38.1 | 046        | 1996 TE <sub>9</sub> | 1996 10 14.93403   | 23 07 36.24 | -03 23 22.8 | 046        |
| 1996 TQ <sub>6</sub> | 1996 10 12.99940   | 01 54 52.14 | +00 00 47.5 | 19.7 V 046 | 1996 TE <sub>9</sub> | 1996 10 14.93628   | 23 07 36.00 | -03 23 11.2 | 046        |
| 1996 TQ <sub>6</sub> | 1996 10 13.00278   | 01 54 52.27 | +00 00 44.6 | 046        | 1996 TH <sub>9</sub> | * 1996 10 12.88681 | 01 31 39.54 | +09 14 46.0 | 15.0 E 046 |

|                      |                    |             |             |        |       |                       |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-------|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TH <sub>9</sub> | 1996 10 12.90625   | 01 31 38.55 | +09 14 37.6 |        | E 046 | 1996 TR <sub>9</sub>  | 1996 10 15.83530   | 01 20 58.21 | +00 01 51.1 |        | 046 |
| 1996 TH <sub>9</sub> | 1996 10 14.88769   | 01 30 07.75 | +08 57 38.8 | 15.5 V | 046   | 1996 TR <sub>9</sub>  | 1996 10 15.83758   | 01 20 58.11 | +00 01 50.6 |        | 046 |
| 1996 TH <sub>9</sub> | 1996 10 14.88955   | 01 30 07.67 | +08 57 37.8 |        | 046   | 1996 TS <sub>9</sub>  | * 1996 10 14.88769 | 01 30 30.79 | +09 00 06.9 | 18.5 V | 046 |
| 1996 TH <sub>9</sub> | 1996 10 14.89249   | 01 30 07.52 | +08 57 36.3 |        | 046   | 1996 TS <sub>9</sub>  | 1996 10 14.89249   | 01 30 30.53 | +09 00 05.5 |        | 046 |
| 1996 TJ <sub>9</sub> | * 1996 10 12.98366 | 01 47 15.84 | +11 21 40.2 | 18.6 V | 046   | 1996 TS <sub>9</sub>  | 1996 10 14.95215   | 01 30 26.93 | +08 59 45.5 | 18.4 V | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 12.98535   | 01 47 15.79 | +11 21 39.9 |        | 046   | 1996 TS <sub>9</sub>  | 1996 10 14.95595   | 01 30 26.67 | +08 59 44.6 |        | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 12.98704   | 01 47 15.65 | +11 21 38.6 |        | 046   | 1996 TS <sub>9</sub>  | 1996 10 14.95907   | 01 30 26.52 | +08 59 43.5 |        | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 12.98873   | 01 47 15.56 | +11 21 38.0 |        | 046   | 1996 TS <sub>9</sub>  | 1996 10 15.92858   | 01 29 29.88 | +08 54 19.4 | 18.3 V | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 12.99188   | 01 47 15.40 | +11 21 37.3 |        | 046   | 1996 TS <sub>9</sub>  | 1996 10 15.93061   | 01 29 29.73 | +08 54 19.1 |        | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 14.01535   | 01 46 21.33 | +11 15 22.5 | 18.4 V | 046   | 1996 TS <sub>9</sub>  | 1996 10 15.93473   | 01 29 29.57 | +08 54 17.4 |        | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 14.01784   | 01 46 21.21 | +11 15 21.9 |        | 046   | 1996 TT <sub>9</sub>  | * 1996 10 14.94049 | 01 38 22.52 | +14 34 29.2 | 18.4 V | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 14.02017   | 01 46 21.07 | +11 15 20.9 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 14.94237   | 01 38 22.42 | +14 34 29.1 |        | 046 |
| 1996 TJ <sub>9</sub> | 1996 10 14.02213   | 01 46 20.96 | +11 15 20.2 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 14.94464   | 01 38 22.28 | +14 34 28.6 |        | 046 |
| 1996 TK <sub>9</sub> | * 1996 10 12.99667 | 01 54 36.59 | -00 05 49.1 | 18.7 V | 046   | 1996 TT <sub>9</sub>  | 1996 10 14.94684   | 01 38 22.17 | +14 34 28.1 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 12.99940   | 01 54 36.42 | -00 05 49.0 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 14.94870   | 01 38 22.09 | +14 34 28.0 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 13.00109   | 01 54 36.27 | -00 05 49.3 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 15.93919   | 01 37 31.13 | +14 32 18.5 | 18.0 V | 046 |
| 1996 TK <sub>9</sub> | 1996 10 13.00278   | 01 54 36.12 | -00 05 48.9 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 15.94116   | 01 37 31.03 | +14 32 18.1 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 13.00587   | 01 54 35.95 | -00 05 48.7 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 15.94307   | 01 37 30.93 | +14 32 18.4 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 13.00845   | 01 54 35.88 | -00 05 48.6 |        | 046   | 1996 TT <sub>9</sub>  | 1996 10 15.94524   | 01 37 30.80 | +14 32 17.5 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 14.02687   | 01 53 38.25 | -00 05 19.6 | 18.9 V | 046   | 1996 TU <sub>9</sub>  | * 1996 10 15.09142 | 02 41 33.66 | +08 02 16.5 | 18.2 V | 046 |
| 1996 TK <sub>9</sub> | 1996 10 14.02898   | 01 53 38.12 | -00 05 19.4 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.09339   | 02 41 33.59 | +08 02 16.0 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 14.03089   | 01 53 37.99 | -00 05 19.7 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.09530   | 02 41 33.50 | +08 02 14.5 |        | 046 |
| 1996 TK <sub>9</sub> | 1996 10 14.03334   | 01 53 37.88 | -00 05 19.5 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.09895   | 02 41 33.37 | +08 02 13.1 |        | 046 |
| 1996 TL <sub>9</sub> | * 1996 10 13.07528 | 04 02 57.55 | +15 14 38.0 | 18.4 V | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.10221   | 02 41 33.22 | +08 02 11.8 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 13.07729   | 04 02 57.48 | +15 14 37.8 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.10494   | 02 41 33.14 | +08 02 10.4 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 13.07927   | 04 02 57.43 | +15 14 37.6 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.95726   | 02 41 00.97 | +07 55 29.2 | 18.0 V | 046 |
| 1996 TL <sub>9</sub> | 1996 10 13.08172   | 04 02 57.34 | +15 14 37.4 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.95925   | 02 41 00.92 | +07 55 28.4 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 13.08367   | 04 02 57.30 | +15 14 37.3 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.96141   | 02 41 00.82 | +07 55 26.8 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 13.08916   | 04 02 57.13 | +15 14 36.7 |        | 046   | 1996 TU <sub>9</sub>  | 1996 10 15.96352   | 02 41 00.76 | +07 55 24.9 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 13.09144   | 04 02 57.04 | +15 14 36.5 |        | 046   | 1996 TV <sub>9</sub>  | * 1996 10 15.09530 | 02 41 16.05 | +07 55 49.0 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 14.04965   | 04 02 28.40 | +15 13 13.2 | 18.1 V | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.09895   | 02 41 15.89 | +07 55 47.5 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 14.05133   | 04 02 28.33 | +15 13 13.1 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.10221   | 02 41 15.73 | +07 55 46.5 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 14.05302   | 04 02 28.29 | +15 13 13.0 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.10846   | 02 41 15.48 | +07 55 43.4 | 18.5 V | 046 |
| 1996 TL <sub>9</sub> | 1996 10 14.05471   | 04 02 28.22 | +15 13 12.8 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.11242   | 02 41 15.28 | +07 55 41.9 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 14.05809   | 04 02 28.15 | +15 13 12.7 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.11609   | 02 41 15.13 | +07 55 40.7 |        | 046 |
| 1996 TL <sub>9</sub> | 1996 10 14.06146   | 04 02 28.02 | +15 13 12.4 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.95726   | 02 40 39.61 | +07 50 01.5 | 18.3 V | 046 |
| 1996 TM <sub>9</sub> | * 1996 10 14.03794 | 01 46 47.02 | +11 45 31.8 | 18.2 V | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.95925   | 02 40 39.57 | +07 49 59.1 |        | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.03992   | 01 46 46.89 | +11 45 30.8 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.96141   | 02 40 39.40 | +07 49 59.2 |        | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.04185   | 01 46 46.77 | +11 45 30.5 |        | 046   | 1996 TV <sub>9</sub>  | 1996 10 15.96352   | 02 40 39.34 | +07 49 58.6 |        | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.04447   | 01 46 46.62 | +11 45 29.3 |        | 046   | 1996 TW <sub>9</sub>  | * 1996 10 15.09142 | 02 40 59.58 | +08 04 12.1 | 18.9 V | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.89659   | 01 45 54.77 | +11 41 07.4 | 17.8 V | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.09339   | 02 40 59.49 | +08 04 11.4 |        | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.89845   | 01 45 54.62 | +11 41 07.3 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.09530   | 02 40 59.41 | +08 04 11.6 |        | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.90081   | 01 45 54.47 | +11 41 06.5 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.09895   | 02 40 59.28 | +08 04 10.0 |        | 046 |
| 1996 TM <sub>9</sub> | 1996 10 14.90331   | 01 45 54.32 | +11 41 05.5 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.10221   | 02 40 59.11 | +08 04 09.3 |        | 046 |
| 1996 TR <sub>9</sub> | * 1996 10 14.98708 | 01 21 44.06 | +00 07 02.9 | 17.0 V | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.10494   | 02 40 58.92 | +08 04 08.5 |        | 046 |
| 1996 TR <sub>9</sub> | 1996 10 14.98894   | 01 21 43.97 | +00 07 02.3 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.98926   | 02 40 18.05 | +07 59 28.8 | 18.9 V | 046 |
| 1996 TR <sub>9</sub> | 1996 10 14.99081   | 01 21 43.84 | +00 07 01.5 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.99094   | 02 40 17.93 | +07 59 28.1 |        | 046 |
| 1996 TR <sub>9</sub> | 1996 10 14.99400   | 01 21 43.66 | +00 07 00.3 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 15.99263   | 02 40 17.84 | +07 59 28.4 |        | 046 |
| 1996 TR <sub>9</sub> | 1996 10 14.99627   | 01 21 43.54 | +00 06 59.5 |        | 046   | 1996 TW <sub>9</sub>  | 1996 10 16.00263   | 02 40 17.36 | +07 59 24.6 |        | 046 |
| 1996 TR <sub>9</sub> | 1996 10 15.00082   | 01 21 43.28 | +00 06 57.8 |        | 046   | 1996 TE <sub>11</sub> | 1996 10 16.06980   | 03 46 42.46 | -19 49 45.9 | 17.3 V | 046 |
| 1996 TR <sub>9</sub> | 1996 10 15.00271   | 01 21 43.18 | +00 06 57.1 |        | 046   | 1996 TE <sub>11</sub> | 1996 10 16.07115   | 03 46 42.52 | -19 49 49.4 |        | 046 |
| 1996 TR <sub>9</sub> | 1996 10 15.83339   | 01 20 58.32 | +00 01 51.7 | 16.9 V | 046   | 1996 TE <sub>11</sub> | 1996 10 16.07328   | 03 46 42.61 | -19 49 54.3 |        | 046 |

|                       |                    |             |             |        |       |
|-----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 TE <sub>11</sub> | 1996 10 19.09708   | 03 49 52.00 | -22 01 12.2 | 17.0 V | 046   |
| 1996 TE <sub>11</sub> | 1996 10 19.09935   | 03 49 52.14 | -22 01 19.1 |        | 046   |
| 1996 TE <sub>11</sub> | 1996 10 19.10131   | 03 49 52.19 | -22 01 23.6 |        | 046   |
| 1996 TE <sub>11</sub> | 1996 10 19.10404   | 03 49 52.37 | -22 01 31.0 |        | 046   |
| 1996 TE <sub>11</sub> | 1996 10 19.10631   | 03 49 52.51 | -22 01 36.7 |        | 046   |
| 1996 UN               | * 1996 10 18.96157 | 01 27 18.42 | +08 22 22.3 | 18.0 V | 046   |
| 1996 UN               | 1996 10 18.96353   | 01 27 18.31 | +08 22 21.4 |        | 046   |
| 1996 UN               | 1996 10 18.96542   | 01 27 18.20 | +08 22 19.9 |        | 046   |
| 1996 UN               | 1996 10 18.96833   | 01 27 18.04 | +08 22 19.1 |        | 046   |
| 1996 UN               | 1996 10 19.00913   | 01 27 15.57 | +08 21 58.7 |        | 046   |
| 1996 UN               | 1996 10 19.01109   | 01 27 15.45 | +08 21 57.6 |        | 046   |
| 1996 UN               | 1996 10 19.86021   | 01 26 26.02 | +08 14 58.0 | 17.8 R | S 046 |
| 1996 UN               | 1996 10 19.86409   | 01 26 25.75 | +08 14 56.7 |        | S 046 |
| 1996 UN               | 1996 10 19.86659   | 01 26 25.73 | +08 14 54.7 |        | S 046 |
| (666)                 | 1996 10 12.84444   | 01 35 43.63 | +13 28 34.0 |        | 046   |
| (666)                 | 1996 10 12.86528   | 01 35 42.72 | +13 28 20.4 |        | 046   |
| (748)                 | 1996 10 12.84444   | 01 22 35.42 | +11 44 00.1 |        | 046   |
| (748)                 | 1996 10 12.86528   | 01 22 34.63 | +11 43 54.8 |        | 046   |
| (1003)                | 1996 10 12.88681   | 01 29 17.12 | +06 42 43.8 |        | 046   |
| (1003)                | 1996 10 12.90625   | 01 29 16.15 | +06 42 37.2 |        | 046   |
| (1268)                | 1996 10 12.84444   | 01 34 15.13 | +13 18 14.0 |        | 046   |
| (1268)                | 1996 10 12.86528   | 01 34 14.29 | +13 18 08.8 |        | 046   |
| (2285)                | 1996 10 14.98708   | 01 22 04.35 | +00 08 08.0 | 16.4 V | 046   |
| (2285)                | 1996 10 14.99400   | 01 22 03.99 | +00 08 04.6 |        | 046   |
| (2285)                | 1996 10 15.00271   | 01 22 03.54 | +00 08 00.4 |        | 046   |
| (2285)                | 1996 10 15.83339   | 01 21 23.20 | +00 01 22.1 | 16.5 V | 046   |
| (2285)                | 1996 10 15.83530   | 01 21 23.04 | +00 01 19.9 |        | 046   |
| (2285)                | 1996 10 15.83758   | 01 21 22.96 | +00 01 18.9 |        | 046   |
| (2285)                | 1996 10 18.93728   | 01 18 53.02 | -00 22 13.5 | 16.0 V | 046   |
| (2285)                | 1996 10 18.94118   | 01 18 52.80 | -00 22 15.5 |        | 046   |
| (2285)                | 1996 10 18.94363   | 01 18 52.65 | -00 22 16.0 |        | 046   |
| (2597)                | 1996 10 12.88681   | 01 23 07.30 | +06 51 00.2 |        | 046   |
| (2597)                | 1996 10 12.90625   | 01 23 06.37 | +06 50 55.1 |        | 046   |
| (3163)                | 1996 10 12.88681   | 01 23 31.83 | +07 57 28.8 |        | 046   |
| (3163)                | 1996 10 12.90625   | 01 23 30.82 | +07 57 18.9 |        | 046   |
| (3200)                | 1996 10 04.15198   | 02 23 28.41 | +63 17 17.6 | 16.0 V | 046   |
| (3200)                | 1996 10 04.15339   | 02 23 27.59 | +63 17 15.6 |        | 046   |
| (3200)                | 1996 10 04.15453   | 02 23 26.98 | +63 17 14.0 |        | 046   |
| (3200)                | 1996 10 15.04139   | 01 00 32.79 | +56 40 34.8 | 15.7 V | 046   |
| (3200)                | 1996 10 15.04291   | 01 00 32.27 | +56 40 30.7 |        | 046   |
| (3200)                | 1996 10 15.04448   | 01 00 31.74 | +56 40 26.2 |        | 046   |
| (3257)                | 1996 09 30.76256   | 20 54 25.18 | -25 01 33.3 | 17.0 V | 046   |
| (3257)                | 1996 09 30.76448   | 20 54 25.25 | -25 01 32.3 |        | 046   |
| (3257)                | 1996 09 30.76635   | 20 54 25.32 | -25 01 31.3 |        | 046   |
| (3257)                | 1996 10 14.80883   | 21 06 20.80 | -22 56 41.4 | 16.9 V | 046   |
| (3257)                | 1996 10 14.81051   | 21 06 20.91 | -22 56 40.4 |        | 046   |
| (3257)                | 1996 10 14.81220   | 21 06 21.00 | -22 56 39.4 |        | 046   |
| (3531)                | 1996 10 15.09142   | 02 41 29.71 | +07 58 44.9 | 16.9 V | 046   |
| (3531)                | 1996 10 15.10494   | 02 41 29.13 | +07 58 37.2 |        | 046   |
| (3531)                | 1996 10 15.10846   | 02 41 28.99 | +07 58 34.9 |        | 046   |
| (3531)                | 1996 10 15.11609   | 02 41 28.66 | +07 58 30.7 |        | 046   |
| (3531)                | 1996 10 15.95726   | 02 40 53.98 | +07 50 37.7 | 16.6 V | 046   |

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (3531) | 1996 10 15.96141 | 02 40 53.80 | +07 50 35.3 |        | 046 |
| (3531) | 1996 10 15.96352 | 02 40 53.72 | +07 50 34.0 |        | 046 |
| (3850) | 1996 10 15.00626 | 01 24 42.12 | -02 12 47.7 | 16.2 V | 046 |
| (3850) | 1996 10 15.00821 | 01 24 42.00 | -02 12 48.3 |        | 046 |
| (3850) | 1996 10 15.01005 | 01 24 41.90 | -02 12 49.0 |        | 046 |
| (3850) | 1996 10 15.92209 | 01 23 51.28 | -02 17 53.5 | 16.2 V | 046 |
| (3850) | 1996 10 15.92336 | 01 23 51.21 | -02 17 53.8 |        | 046 |
| (3850) | 1996 10 15.92477 | 01 23 51.12 | -02 17 54.3 |        | 046 |
| (3908) | 1996 09 30.83756 | 21 02 58.29 | +05 53 16.1 | 14.6 V | 046 |
| (3908) | 1996 09 30.84031 | 21 02 58.55 | +05 53 21.9 |        | 046 |
| (3908) | 1996 09 30.84253 | 21 02 58.76 | +05 53 26.4 |        | 046 |
| (4197) | 1996 10 04.12500 | 02 11 42.75 | +20 00 25.3 | 14.0 V | 046 |
| (4197) | 1996 10 04.12617 | 02 11 42.69 | +20 00 28.1 |        | 046 |
| (4197) | 1996 10 04.12748 | 02 11 42.65 | +20 00 31.5 |        | 046 |
| (5261) | 1996 10 09.14377 | 05 42 23.75 | +35 47 55.4 | 18.0 V | 046 |
| (5261) | 1996 10 09.15128 | 05 42 24.23 | +35 47 49.3 |        | 046 |
| (5261) | 1996 10 09.15352 | 05 42 24.40 | +35 47 47.6 |        | 046 |
| (5443) | 1996 10 15.07623 | 02 38 37.65 | +32 12 00.6 | 17.7 V | 046 |
| (5443) | 1996 10 15.07961 | 02 38 37.45 | +32 12 00.5 |        | 046 |
| (5443) | 1996 10 15.08297 | 02 38 37.25 | +32 12 00.4 |        | 046 |
| (5923) | 1996 10 11.82806 | 22 51 25.77 | -11 57 57.4 | 17.9 R | 046 |
| (5923) | 1996 10 11.83374 | 22 51 25.63 | -11 57 57.8 |        | 046 |
| (5923) | 1996 10 11.83878 | 22 51 25.53 | -11 57 58.2 |        | 046 |

**098 Asiago Observatory, Cima Ekar**

U. Munari, Osservatorio Astronomico di Padova, Sede di Asiago, I-36012 Asiago (VI), Italy [munari@astras.pd.astro.it]

Observer U. Munari

Measurers M. Tombelli, G. Forti

0.67-m  $f/3.2$  Schmidt

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1989 GC <sub>4</sub> | 1996 10 04.95000 | 01 11 10.80 | +09 13 37.1 |        | 098 |
| 1989 GC <sub>4</sub> | 1996 10 04.96528 | 01 11 09.90 | +09 13 30.4 | 17.7 V | 098 |
| 1994 GR <sub>9</sub> | 1996 10 04.95000 | 01 14 25.96 | +07 58 49.6 |        | 098 |
| 1994 GR <sub>9</sub> | 1996 10 04.96528 | 01 14 25.22 | +07 58 44.1 | 17.2 V | 098 |
| 1996 UL              | 1996 10 04.95000 | 01 14 05.87 | +05 03 42.0 |        | 098 |
| 1996 UL              | 1996 10 04.96528 | 01 14 04.73 | +05 03 48.4 | 17.0 V | 098 |
| (229)                | 1996 10 04.95000 | 01 16 52.20 | +07 29 37.2 |        | 098 |
| (229)                | 1996 10 04.96528 | 01 16 51.46 | +07 29 33.1 | 13.0 V | 098 |
| (495)                | 1996 10 04.95000 | 01 16 54.09 | +07 20 32.1 |        | 098 |
| (495)                | 1996 10 04.96528 | 01 16 53.32 | +07 20 26.0 | 13.0 V | 098 |
| (2325)               | 1996 10 04.95000 | 01 20 51.83 | +05 45 30.6 |        | 098 |
| (2325)               | 1996 10 04.96528 | 01 20 51.14 | +05 45 25.3 | 15.5 V | 098 |
| (3946)               | 1996 10 04.95000 | 01 12 19.62 | +08 33 09.5 |        | 098 |
| (3946)               | 1996 10 04.96528 | 01 12 18.89 | +08 33 03.4 | 17.0 V | 098 |
| (4609)               | 1996 10 04.95000 | 01 14 52.04 | +04 58 48.0 |        | 098 |
| (4609)               | 1996 10 04.96528 | 01 14 51.42 | +04 58 40.1 | 15.5 V | 098 |
| (6005)               | 1996 10 04.95000 | 01 20 41.67 | +06 46 41.2 |        | 098 |
| (6005)               | 1996 10 04.96528 | 01 20 40.86 | +06 46 37.5 | 16.5 V | 098 |

**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

0.40-m  $f/5$  reflector + CCD  
GSC

|                       |                  |             |             |            |
|-----------------------|------------------|-------------|-------------|------------|
| 1975 SA <sub>1</sub>  | 1996 10 13.01319 | 02 47 18.93 | +19 09 25.5 | 104        |
| 1975 SA <sub>1</sub>  | 1996 10 13.01771 | 02 47 18.72 | +19 09 25.5 | 104        |
| 1975 SA <sub>1</sub>  | 1996 10 13.02257 | 02 47 18.51 | +19 09 25.3 | 104        |
| 1978 NY <sub>7</sub>  | 1996 10 18.98021 | 02 20 36.28 | +10 08 30.8 | 104        |
| 1978 NY <sub>7</sub>  | 1996 10 18.98472 | 02 20 36.07 | +10 08 29.9 | 104        |
| 1978 NY <sub>7</sub>  | 1996 10 18.98993 | 02 20 35.81 | +10 08 28.9 | 104        |
| 1986 RF <sub>7</sub>  | 1996 10 11.99566 | 02 38 37.79 | +11 43 34.3 | 104        |
| 1986 RF <sub>7</sub>  | 1996 10 12.00035 | 02 38 37.54 | +11 43 32.6 | 104        |
| 1986 RF <sub>7</sub>  | 1996 10 12.00521 | 02 38 37.29 | +11 43 31.0 | 104        |
| 1987 HK               | 1996 09 30.86111 | 23 30 10.91 | -01 51 42.9 | 104        |
| 1987 HK               | 1996 09 30.86736 | 23 30 10.62 | -01 51 45.4 | 104        |
| 1987 HK               | 1996 09 30.87176 | 23 30 10.39 | -01 51 47.4 | 104        |
| 1990 SV <sub>12</sub> | 1996 10 12.94803 | 02 24 24.06 | +12 17 37.8 | 104        |
| 1990 SV <sub>12</sub> | 1996 10 12.95347 | 02 24 23.77 | +12 17 36.8 | 104        |
| 1990 SV <sub>12</sub> | 1996 10 12.97049 | 02 24 23.06 | +12 17 34.5 | 104        |
| 1990 YK               | 1996 09 30.89676 | 23 26 22.54 | -04 00 17.4 | 104        |
| 1990 YK               | 1996 09 30.90174 | 23 26 22.27 | -04 00 19.6 | 104        |
| 1990 YK               | 1996 09 30.90671 | 23 26 22.01 | -04 00 21.9 | 104        |
| 1992 OV <sub>2</sub>  | 1996 10 11.96782 | 02 35 15.06 | -01 00 06.5 | 104        |
| 1992 OV <sub>2</sub>  | 1996 10 11.97269 | 02 35 14.84 | -01 00 07.8 | 104        |
| 1992 OV <sub>2</sub>  | 1996 10 11.97743 | 02 35 14.61 | -01 00 10.2 | 104        |
| 1992 OP <sub>5</sub>  | 1996 10 12.02193 | 02 41 47.59 | +12 45 55.8 | 104        |
| 1992 OP <sub>5</sub>  | 1996 10 12.02639 | 02 41 47.35 | +12 45 54.2 | 104        |
| 1992 OP <sub>5</sub>  | 1996 10 12.03090 | 02 41 47.11 | +12 45 52.3 | 104        |
| 1992 SF <sub>13</sub> | 1996 10 04.87500 | 23 28 21.35 | -01 45 20.7 | 104        |
| 1992 SF <sub>13</sub> | 1996 10 04.87986 | 23 28 21.14 | -01 45 22.5 | 104        |
| 1992 SF <sub>13</sub> | 1996 10 04.88507 | 23 28 20.92 | -01 45 24.5 | 104        |
| 1995 FH <sub>5</sub>  | 1996 10 06.79213 | 23 23 48.50 | -00 00 49.1 | 104        |
| 1995 FH <sub>5</sub>  | 1996 10 06.79809 | 23 23 48.45 | -00 00 43.9 | 104        |
| 1995 FH <sub>5</sub>  | 1996 10 06.80208 | 23 23 48.12 | -00 00 40.4 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 08 25.80042 | 20 15 58.69 | -12 23 38.5 | 17.0 V 104 |
| 1996 OJ <sub>2</sub>  | 1996 08 25.80370 | 20 15 58.54 | -12 23 37.9 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 08 25.80833 | 20 15 58.37 | -12 23 37.3 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 08 25.81520 | 20 15 58.12 | -12 23 36.4 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 09 30.79763 | 20 14 46.50 | -10 34 36.5 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 09 30.81215 | 20 14 46.97 | -10 34 33.3 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 09 30.81979 | 20 14 47.26 | -10 34 31.9 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 09 30.82619 | 20 14 47.49 | -10 34 30.0 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 02.82639 | 20 16 08.34 | -10 27 10.8 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 02.83368 | 20 16 08.63 | -10 27 09.2 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 02.83715 | 20 16 08.78 | -10 27 08.5 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 10.75637 | 20 22 45.22 | -09 55 38.6 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 10.78177 | 20 22 46.72 | -09 55 32.5 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 18.86406 | 20 31 26.08 | -09 18 35.5 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 18.86753 | 20 31 26.34 | -09 18 34.5 | 104        |
| 1996 OJ <sub>2</sub>  | 1996 10 18.87101 | 20 31 26.60 | -09 18 33.4 | 104        |
| 1996 PG <sub>1</sub>  | 1996 10 18.88519 | 21 29 16.61 | -15 46 33.0 | 104        |
| 1996 PG <sub>1</sub>  | 1996 10 18.88854 | 21 29 16.79 | -15 46 31.8 | 104        |
| 1996 PG <sub>1</sub>  | 1996 10 18.89201 | 21 29 16.95 | -15 46 30.7 | 104        |
| 1996 PG <sub>1</sub>  | 1996 10 18.89703 | 21 29 17.15 | -15 46 29.0 | 104        |

|                      |                  |             |             |            |
|----------------------|------------------|-------------|-------------|------------|
| 1996 PD <sub>3</sub> | 1996 10 06.81817 | 22 20 37.32 | -16 28 23.0 | 104        |
| 1996 PD <sub>3</sub> | 1996 10 06.85093 | 22 20 36.69 | -16 28 23.3 | 104        |
| 1996 PD <sub>3</sub> | 1996 10 06.85504 | 22 20 36.61 | -16 28 23.3 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 02.89375 | 04 05 50.07 | +20 01 45.2 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 02.89861 | 04 05 50.00 | +20 01 46.2 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 02.90313 | 04 05 49.93 | +20 01 47.1 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 02.90403 | 04 05 49.75 | +20 01 49.0 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 04.95816 | 04 05 17.82 | +20 08 07.1 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 04.96215 | 04 05 17.75 | +20 08 07.8 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 11.90069 | 04 02 35.10 | +20 28 07.3 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 11.90852 | 04 02 34.85 | +20 28 08.8 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 11.91215 | 04 02 34.76 | +20 28 09.5 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 18.93646 | 03 58 27.51 | +20 45 58.1 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 18.94097 | 03 58 27.35 | +20 45 58.7 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 18.94925 | 03 58 27.02 | +20 45 59.9 | 104        |
| 1996 RD <sub>4</sub> | 1996 10 18.96447 | 03 58 26.37 | +20 46 01.2 | 104        |
| (6525)               | 1996 10 18.93646 | 03 58 51.89 | +20 42 30.2 | 17.5 V 104 |
| (6525)               | 1996 10 18.94097 | 03 58 51.73 | +20 42 29.3 | 104        |
| (6525)               | 1996 10 18.94925 | 03 58 51.46 | +20 42 27.7 | 104        |
| (6525)               | 1996 10 18.96447 | 03 58 51.03 | +20 42 24.7 | 104        |

### 107 Cavezzo

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Observers R. Calanca, R. Bonomi, M. Facchini, M. Nicolini

Measurers R. Calanca, R. Bonomi

0.40-m  $f/5.5$  reflector + CCD

GSC

|         |                    |             |             |        |     |
|---------|--------------------|-------------|-------------|--------|-----|
| 1996 TT | * 1996 10 03.84560 | 00 50 04.25 | +06 59 26.8 | 17.3 V | 107 |
| 1996 TT | 1996 10 03.85203   | 00 50 04.03 | +06 59 25.2 |        | 107 |
| 1996 TT | 1996 10 03.87558   | 00 50 02.75 | +06 59 17.3 |        | 107 |
| 1996 TT | 1996 10 03.87940   | 00 50 02.65 | +06 59 16.7 |        | 107 |
| 1996 TT | 1996 10 04.92350   | 00 49 12.64 | +06 54 09.2 |        | 107 |
| 1996 TT | 1996 10 04.92749   | 00 49 12.48 | +06 54 08.3 |        | 107 |
| 1996 TU | * 1996 10 03.85203 | 00 50 20.87 | +06 58 03.4 | 17.5 V | 107 |
| 1996 TU | 1996 10 03.87940   | 00 50 19.68 | +06 57 50.6 |        | 107 |
| 1996 TU | 1996 10 04.94410   | 00 49 28.18 | +06 51 09.7 |        | 107 |
| 1996 TU | 1996 10 04.94757   | 00 49 28.03 | +06 51 08.3 |        | 107 |
| (4197)  | 1996 10 19.90660   | 01 17 39.37 | +49 39 36.5 | 12.1 V | 107 |
| (4197)  | 1996 10 19.91256   | 01 17 34.22 | +49 41 14.2 |        | 107 |
| (4197)  | 1996 10 19.91476   | 01 17 32.33 | +49 41 50.4 |        | 107 |
| (4197)  | 1996 10 19.91806   | 01 17 29.32 | +49 42 47.5 |        | 107 |

### 108 Montelupo

M. Tombelli, Via Bozzeto 26, I-50056 Montelupo (Fi), Italy

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Observers M. Tombelli, G. Forti

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

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 PJ <sub>5</sub> | 1996 10 03.83929 | 21 14 07.36 | -16 36 18.2 |        | 108 |
| 1996 PJ <sub>5</sub> | 1996 10 03.85104 | 21 14 07.19 | -16 36 16.0 |        | 108 |
| 1996 PJ <sub>5</sub> | 1996 10 03.86606 | 21 14 07.14 | -16 36 14.3 | 18.0 V | 108 |

## M.P.C. 27964

1996 OCT. 26

(4197) 1996 10 03.90899 02 11 51.82 +19 51 40.0 108  
 (4197) 1996 10 03.91477 02 11 51.61 +19 51 53.9 13.5 V 108

**113 Volkssternwarte Drebach, Schönbrunn**

G. Lehmann, Volkssternwarte Drebach, D-09430 Drebach, Germany

[lehmann@stw-drebach.zp.sn.schule.de]

Observer G. Lehmann

Measurers G. Lehmann, G. Babic

0.18-m *f*/9 refractor + CCD

GSC

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1987 SQ <sub>10</sub> | 1996 09 19.84191 | 23 46 25.14 | -08 08 33.8 | 17.6 V | 113 |
| 1987 SQ <sub>10</sub> | 1996 09 19.88107 | 23 46 23.12 | -08 08 48.2 | 17.8 V | 113 |
| 1987 SQ <sub>10</sub> | 1996 09 19.91956 | 23 46 21.33 | -08 09 01.8 | 17.6 V | 113 |
| 1991 RV <sub>3</sub>  | 1996 09 03.89875 | 22 57 05.10 | -06 14 57.0 | 17.5 V | 113 |
| 1991 RV <sub>3</sub>  | 1996 09 03.91062 | 22 57 04.50 | -06 14 58.7 | 17.6 V | 113 |
| 1991 RV <sub>3</sub>  | 1996 09 03.92134 | 22 57 04.09 | -06 14 59.7 | 17.4 V | 113 |
| 1991 RV <sub>3</sub>  | 1996 09 03.93128 | 22 57 03.46 | -06 15 00.8 | 17.2 V | 113 |
| 1991 RV <sub>3</sub>  | 1996 09 19.80920 | 22 44 14.54 | -06 47 01.8 | 17.7 V | 113 |
| 1991 RV <sub>3</sub>  | 1996 09 19.86222 | 22 44 12.10 | -06 47 10.1 | 17.8 V | 113 |
| 1992 SQ <sub>26</sub> | 1996 09 19.85076 | 23 55 00.36 | -07 43 23.2 | 17.5 V | 113 |
| 1992 SQ <sub>26</sub> | 1996 09 19.89044 | 23 54 58.52 | -07 43 37.9 | 16.9 V | 113 |
| 1992 SQ <sub>26</sub> | 1996 09 19.92776 | 23 54 56.68 | -07 43 50.3 | 17.6 V | 113 |
| (4197)                | 1996 09 19.91061 | 02 13 03.14 | +13 38 53.7 | 15.5 V | 113 |
| (4197)                | 1996 09 19.93763 | 02 13 03.46 | +13 39 21.8 | 15.5 V | 113 |
| (7121)                | 1996 08 05.89109 | 21 44 41.61 | -12 48 08.4 | 17.3 V | 113 |
| (7121)                | 1996 08 05.90273 | 21 44 41.08 | -12 48 11.7 | 16.9 V | 113 |
| (7121)                | 1996 08 05.90942 | 21 44 40.79 | -12 48 13.3 | 17.1 V | 113 |
| (7121)                | 1996 08 19.88083 | 21 33 43.60 | -13 57 56.1 | 17.2 V | 113 |
| (7121)                | 1996 08 19.90164 | 21 33 42.65 | -13 58 04.3 | 17.5 V | 113 |
| (7121)                | 1996 08 20.88770 | 21 32 55.64 | -14 02 52.0 | 18.0 V | 113 |
| (7121)                | 1996 08 20.91161 | 21 32 54.50 | -14 02 58.2 | 17.4 V | 113 |
| (7121)                | 1996 08 20.91966 | 21 32 54.16 | -14 03 00.7 | 17.9 V | 113 |
| (7121)                | 1996 09 03.85627 | 21 23 00.17 | -15 05 48.1 | 17.5 V | 113 |
| (7121)                | 1996 09 03.86610 | 21 22 59.90 | -15 05 49.8 | 17.6 V | 113 |
| (7121)                | 1996 09 03.87262 | 21 22 59.66 | -15 05 51.2 | 17.4 V | 113 |

**118 Modra**

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

[ago\_modra@center.fmph.uniba.sk]

Observers A. Galád, A. Pravda, P. Kolény, L. Kornoš, D. Kalmančok

0.6-m *f*/5.5 reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 PK              | 1996 09 30.96865 | 01 07 22.51 | +07 47 43.9 | 16.9 R | 118 |
| 1996 PK              | 1996 09 30.97562 | 01 07 22.08 | +07 47 42.0 |        | 118 |
| 1996 PK              | 1996 10 04.83417 | 01 03 35.29 | +07 29 52.6 |        | 118 |
| 1996 PK              | 1996 10 04.84295 | 01 03 34.77 | +07 29 50.3 | 17.0 R | 118 |
| 1996 RG <sub>3</sub> | 1996 09 30.87557 | 22 26 50.99 | -13 09 25.2 | 18.5 R | 118 |
| 1996 RG <sub>3</sub> | 1996 09 30.88112 | 22 26 50.33 | -13 09 31.3 |        | 118 |
| 1996 RG <sub>3</sub> | 1996 09 30.88510 | 22 26 49.71 | -13 09 35.1 |        | 118 |
| 1996 RG <sub>3</sub> | 1996 10 01.77975 | 22 24 55.77 | -13 25 51.3 | V      | 118 |
| 1996 RG <sub>3</sub> | 1996 10 01.78591 | 22 24 55.07 | -13 25 58.1 | V      | 118 |
| 1996 RG <sub>3</sub> | 1996 10 03.79731 | 22 20 40.37 | -14 02 02.9 | 18.8 R | 118 |
| 1996 RG <sub>3</sub> | 1996 10 03.80726 | 22 20 39.07 | -14 02 12.6 |        | 118 |

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 RG <sub>3</sub> | 1996 10 03.81075 | 22 20 38.66 | -14 02 16.7 |        | 118 |
| 1996 SK              | 1996 09 30.89566 | 22 27 13.89 | -07 48 27.2 |        | 118 |
| 1996 SK              | 1996 09 30.89867 | 22 27 13.43 | -07 48 30.1 |        | 118 |
| 1996 SK              | 1996 09 30.90153 | 22 27 12.99 | -07 48 32.7 |        | 118 |
| 1996 SK              | 1996 09 30.90512 | 22 27 12.51 | -07 48 35.7 | 18.9 R | 118 |
| 1996 SK              | 1996 10 01.76229 | 22 25 12.88 | -08 01 31.0 |        | 118 |
| 1996 SK              | 1996 10 01.76584 | 22 25 12.45 | -08 01 33.5 | 18.5 R | 118 |
| 1996 SK              | 1996 10 01.77051 | 22 25 11.74 | -08 01 37.6 |        | 118 |
| 1996 SK              | 1996 10 03.82078 | 22 20 26.42 | -08 32 15.9 |        | 118 |
| 1996 SK              | 1996 10 03.82449 | 22 20 25.91 | -08 32 19.6 |        | 118 |
| 1996 SK              | 1996 10 03.82747 | 22 20 25.47 | -08 32 22.2 |        | 118 |
| 1996 SK              | 1996 10 03.83113 | 22 20 24.96 | -08 32 25.5 | 18.3 R | 118 |
| (253)                | 1996 09 27.74039 | 15 57 45.10 | -14 43 40.5 | S      | 118 |
| (253)                | 1996 09 27.74397 | 15 57 45.37 | -14 43 42.1 | S      | 118 |
| (253)                | 1996 09 27.75100 | 15 57 46.08 | -14 43 44.6 | S      | 118 |
| (1301)               | 1996 10 10.78079 | 21 30 19.24 | -10 39 30.9 |        | 118 |
| (1301)               | 1996 10 10.78865 | 21 30 19.15 | -10 39 35.2 |        | 118 |
| (1922)               | 1996 09 27.76285 | 16 27 28.22 | +04 21 48.1 | S      | 118 |
| (1922)               | 1996 09 27.76691 | 16 27 28.73 | +04 21 47.2 | S      | 118 |
| (1922)               | 1996 10 10.72148 | 16 59 21.95 | +04 06 00.0 |        | 118 |
| (1922)               | 1996 10 10.72763 | 16 59 22.84 | +04 05 59.6 |        | 118 |
| (3200)               | 1996 10 03.86520 | 02 26 12.86 | +63 23 56.4 | 16.2 R | 118 |
| (3200)               | 1996 10 03.87281 | 02 26 08.49 | +63 23 46.3 |        | 118 |
| (3200)               | 1996 10 04.91604 | 02 16 23.54 | +62 58 24.4 |        | 118 |
| (3200)               | 1996 10 04.92490 | 02 16 18.61 | +62 58 10.9 | 15.9 R | 118 |
| (3200)               | 1996 10 10.88294 | 01 27 18.33 | +59 39 25.3 |        | 118 |
| (3200)               | 1996 10 10.89534 | 01 27 12.89 | +59 38 55.8 |        | 118 |
| (3908)               | 1996 10 04.78340 | 21 12 11.81 | +08 22 49.6 | 14.4 R | 118 |
| (3908)               | 1996 10 04.78969 | 21 12 12.69 | +08 23 05.4 |        | 118 |
| (3908)               | 1996 10 04.79740 | 21 12 13.79 | +08 23 24.7 |        | 118 |
| (3908)               | 1996 10 10.80376 | 21 33 51.09 | +13 12 17.6 |        | 118 |
| (3908)               | 1996 10 10.80771 | 21 33 52.05 | +13 12 30.7 |        | 118 |
| (3908)               | 1996 10 10.81566 | 21 33 54.00 | +13 12 57.0 |        | 118 |
| (3908)               | 1996 10 18.75787 | 22 24 22.61 | +21 49 21.7 |        | 118 |
| (3908)               | 1996 10 18.76151 | 22 24 24.32 | +21 49 37.8 | 12.7 R | 118 |
| (4197)               | 1996 10 10.96936 | 02 04 10.75 | +26 41 31.8 |        | 118 |
| (4197)               | 1996 10 10.97214 | 02 04 10.43 | +26 41 45.4 |        | 118 |
| (4947)               | 1996 10 10.85906 | 22 22 05.68 | +26 02 39.7 |        | 118 |
| (4947)               | 1996 10 10.86166 | 22 22 05.91 | +26 02 30.2 |        | 118 |
| (4947)               | 1996 10 10.86885 | 22 22 06.52 | +26 02 03.8 |        | 118 |
| (5143)               | 1996 10 03.91948 | 02 25 33.91 | +30 51 05.8 | 16.8 R | 118 |
| (5143)               | 1996 10 03.92851 | 02 25 33.16 | +30 51 07.4 |        | 118 |
| (5143)               | 1996 10 10.94976 | 02 14 24.25 | +31 02 04.4 |        | 118 |
| (5143)               | 1996 10 10.95708 | 02 14 23.43 | +31 02 04.6 |        | 118 |
| (6564)               | 1996 10 04.00816 | 03 59 47.47 | -10 58 58.1 |        | 118 |
| (6564)               | 1996 10 04.01601 | 03 59 47.42 | -10 59 14.0 | 19.5 R | 118 |

**124 Castres**

A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-tlse.fr]

0.20-m Schmidt-Cassegrain + CCD

GSC

|                                                                       |                  |             |             |        |     |                       |                  |             |             |        |     |
|-----------------------------------------------------------------------|------------------|-------------|-------------|--------|-----|-----------------------|------------------|-------------|-------------|--------|-----|
| (4197)                                                                | 1996 10 03.97337 | 02 11 49.50 | +19 54 07.2 | 13.9   | 124 | 1991 PP <sub>11</sub> | 1996 09 22.74024 | 00 57 05.48 | +05 10 26.0 | 16.7 V | 327 |
| (4197)                                                                | 1996 10 03.97488 | 02 11 49.43 | +19 54 11.1 | 13.9   | 124 | 1991 PP <sub>11</sub> | 1996 09 22.74994 | 00 57 04.99 | +05 10 19.7 |        | 327 |
| (4197)                                                                | 1996 10 03.97637 | 02 11 49.39 | +19 54 14.2 | 13.7   | 124 | 1991 PP <sub>11</sub> | 1996 09 22.75472 | 00 57 04.85 | +05 10 17.0 |        | 327 |
| (4197)                                                                | 1996 10 03.97787 | 02 11 49.31 | +19 54 18.1 | 13.9   | 124 | 1991 PP <sub>11</sub> | 1996 09 23.65419 | 00 56 28.23 | +05 01 10.5 |        | 327 |
| (4197)                                                                | 1996 10 03.97936 | 02 11 49.25 | +19 54 21.6 | 13.9   | 124 | 1991 PP <sub>11</sub> | 1996 09 23.66786 | 00 56 27.68 | +05 01 02.3 |        | 327 |
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| (4197)                                                                | 1996 10 03.98981 | 02 11 48.76 | +19 54 48.0 | 14.0   | 124 | 1991 UK <sub>3</sub>  | 1996 09 18.66934 | 00 59 24.27 | +16 38 12.0 | 17.6 V | 327 |
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| <b>327 Peking Observatory, Xinglong Station</b>                       |                  |             |             |        |     | 1995 GT               | 1996 09 23.72360 | 00 56 34.05 | +03 06 38.8 | 18.0 V | 327 |
| J. Zhu, Peking Astronomical Observatory, Chinese Academy of Sciences, |                  |             |             |        |     | 1995 GT               | 1996 09 23.73343 | 00 56 33.43 | +03 06 39.6 |        | 327 |
| Zhongguancun, Peking 100080, Peoples Republic of China                |                  |             |             |        |     | 1995 GT               | 1996 09 23.74559 | 00 56 32.49 | +03 06 39.7 |        | 327 |
| [jinzhu@sun.ihep.ac.cn]                                               |                  |             |             |        |     | 1995 JC               | 1996 10 14.67983 | 01 43 36.04 | +08 01 57.8 |        | 327 |
| Observers J. Zhu, R. Chen, C. M. Ma, L. C. Deng, Y. J. Chen           |                  |             |             |        |     | 1995 JC               | 1996 10 14.69715 | 01 43 35.04 | +08 01 53.7 |        | 327 |
| Measurers Y. J. Chen, C. M. Ma, J. Zhu                                |                  |             |             |        |     | 1995 JC               | 1996 10 14.71615 | 01 43 33.96 | +08 01 48.7 | 18.3 V | 327 |
| 0.60-m Schmidt + CCD                                                  |                  |             |             |        |     | 1996 OR <sub>1</sub>  | 1996 09 19.84178 | 04 31 30.93 | +27 04 52.9 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 09 23.71396 | 00 54 24.66 | +02 49 11.3 |        | 327 | 1996 OR <sub>1</sub>  | 1996 09 19.85088 | 04 31 31.20 | +27 04 55.6 | 18.5 V | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 09 23.72360 | 00 54 24.23 | +02 49 05.9 | 15.8 V | 327 | 1996 OR <sub>1</sub>  | 1996 09 19.86147 | 04 31 31.57 | +27 04 58.7 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 09 23.73343 | 00 54 23.76 | +02 48 59.8 |        | 327 | 1996 OR <sub>1</sub>  | 1996 09 19.87183 | 04 31 31.97 | +27 05 01.4 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 09 23.74559 | 00 54 23.22 | +02 48 52.5 |        | 327 | 1996 OR <sub>1</sub>  | 1996 09 22.83231 | 04 33 17.49 | +27 19 00.5 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 03.67053 | 00 46 46.10 | +01 07 47.7 | 16.1 V | 327 | 1996 OR <sub>1</sub>  | 1996 09 22.84238 | 04 33 17.85 | +27 19 03.4 | 18.5 V | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 03.68420 | 00 46 45.46 | +01 07 38.7 |        | 327 | 1996 OR <sub>1</sub>  | 1996 09 22.85146 | 04 33 18.12 | +27 19 06.2 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 03.70030 | 00 46 44.67 | +01 07 28.9 |        | 327 | 1996 OR <sub>1</sub>  | 1996 09 22.86034 | 04 33 18.41 | +27 19 08.8 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 09.66451 | 00 41 57.58 | +00 07 20.6 |        | 327 | 1996 PA <sub>1</sub>  | 1996 09 19.50786 | 20 41 15.34 | -21 33 54.6 |        | 327 |
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| 1981 QA <sub>1</sub>                                                  | 1996 10 09.69538 | 00 41 56.01 | +00 07 02.2 |        | 327 | 1996 PA <sub>1</sub>  | 1996 09 19.54411 | 20 41 15.62 | -21 34 00.0 | 18.0   | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 14.63560 | 00 38 06.32 | -00 40 11.2 | 16.7 V | 327 | 1996 PW <sub>2</sub>  | 1996 10 07.56409 | 21 56 09.80 | -16 16 12.4 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 14.64863 | 00 38 05.67 | -00 40 18.0 |        | 327 | 1996 PW <sub>2</sub>  | 1996 10 07.57865 | 21 56 10.08 | -16 16 10.6 |        | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 14.66211 | 00 38 05.04 | -00 40 25.2 |        | 327 | 1996 PW <sub>2</sub>  | 1996 10 07.59179 | 21 56 10.26 | -16 16 08.0 | 20.5 V | 327 |
| 1981 QA <sub>1</sub>                                                  | 1996 10 14.66925 | 00 38 04.68 | -00 40 29.7 |        | 327 | 1996 PW <sub>2</sub>  | 1996 10 09.57259 | 21 56 42.96 | -16 10 28.7 |        | 327 |
| 1983 CY <sub>2</sub>                                                  | 1996 09 18.66934 | 01 00 10.44 | +16 59 25.5 | 16.9 V | 327 | 1996 PW <sub>2</sub>  | 1996 10 09.58863 | 21 56 43.19 | -16 10 26.0 |        | 327 |
| 1983 CY <sub>2</sub>                                                  | 1996 09 18.67865 | 01 00 10.04 | +16 59 25.6 |        | 327 | 1996 PW <sub>2</sub>  | 1996 10 09.60220 | 21 56 43.38 | -16 10 23.4 | 19.2 V | 327 |
| 1983 CY <sub>2</sub>                                                  | 1996 09 18.68750 | 01 00 09.65 | +16 59 25.0 |        | 327 | 1996 RG <sub>1</sub>  | 1996 09 22.82793 | 04 16 15.25 | +25 27 16.7 |        | 327 |
| 1989 RT                                                               | 1996 10 03.44797 | 20 51 18.60 | -15 27 39.5 |        | 327 | 1996 RG <sub>1</sub>  | 1996 09 22.83740 | 04 16 15.69 | +25 27 21.9 | 16.9 V | 327 |
| 1989 RT                                                               | 1996 10 03.46235 | 20 51 18.97 | -15 27 34.9 | 18.8 V | 327 | 1996 RG <sub>1</sub>  | 1996 09 22.84671 | 04 16 16.19 | +25 27 26.3 |        | 327 |
| 1989 RT                                                               | 1996 10 03.47581 | 20 51 19.33 | -15 27 31.4 |        | 327 | 1996 RG <sub>1</sub>  | 1996 09 22.85598 | 04 16 16.64 | +25 27 30.4 |        | 327 |
| 1991 PP <sub>11</sub>                                                 | 1996 09 21.65821 | 00 57 49.21 | +05 21 17.6 | 16.7 V | 327 | 1996 RG <sub>1</sub>  | 1996 10 05.84559 | 04 25 02.94 | +27 02 35.9 |        | 327 |
| 1991 PP <sub>11</sub>                                                 | 1996 09 21.67271 | 00 57 48.62 | +05 21 09.1 |        | 327 | 1996 RG <sub>1</sub>  | 1996 10 05.85927 | 04 25 03.26 | +27 02 41.3 | 17.1 V | 327 |
| 1991 PP <sub>11</sub>                                                 | 1996 09 21.68275 | 00 57 48.19 | +05 21 02.8 |        | 327 | 1996 RG <sub>1</sub>  | 1996 10 05.87399 | 04 25 03.62 | +27 02 47.7 |        | 327 |
| 1991 PP <sub>11</sub>                                                 | 1996 09 22.72624 | 00 57 06.00 | +05 10 34.0 |        | 327 | 1996 RE <sub>4</sub>  | 1996 10 05.76549 | 02 50 38.99 | +18 31 09.1 | 16.7 V | 327 |

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| 1996 RE <sub>4</sub> | 1996 10 05.79231 | 02 50 37.72 | +18 31 14.7 | 327        | 1996 SA <sub>4</sub> | 1996 09 20.59931 | 22 02 04.22 | -13 18 01.2 |        | 327 |
| 1996 RM <sub>5</sub> | 1996 10 07.46479 | 21 52 57.12 | -12 01 31.3 | 327        | 1996 SA <sub>4</sub> | 1996 09 20.61003 | 22 02 03.86 | -13 17 58.0 |        | 327 |
| 1996 RM <sub>5</sub> | 1996 10 07.47469 | 21 52 57.23 | -12 01 34.6 | 327        | 1996 SE <sub>4</sub> | 1996 09 22.82793 | 04 14 29.11 | +24 58 43.5 | 19.2 V | 327 |
| 1996 RM <sub>5</sub> | 1996 10 07.48338 | 21 52 57.23 | -12 01 38.2 | 19.0 V 327 | 1996 SE <sub>4</sub> | 1996 09 22.83740 | 04 14 29.42 | +24 58 42.1 |        | 327 |
| 1996 RM <sub>5</sub> | 1996 10 09.56731 | 21 53 15.66 | -12 13 28.0 | 19.2 V 327 | 1996 SE <sub>4</sub> | 1996 09 22.84671 | 04 14 29.78 | +24 58 42.1 |        | 327 |
| 1996 RM <sub>5</sub> | 1996 10 09.58348 | 21 53 15.82 | -12 13 32.4 | 327        | 1996 SE <sub>4</sub> | 1996 09 22.85598 | 04 14 30.06 | +24 58 40.9 |        | 327 |
| 1996 RO <sub>5</sub> | 1996 09 18.60707 | 22 05 19.03 | -13 14 12.0 | 18.1 V 327 | 1996 SE <sub>4</sub> | 1996 10 05.80550 | 04 19 31.44 | +24 30 02.5 |        | 327 |
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| 1996 RO <sub>5</sub> | 1996 09 18.64345 | 22 05 17.96 | -13 14 28.1 | 327        | 1996 SE <sub>4</sub> | 1996 10 05.83234 | 04 19 31.70 | +24 29 56.9 |        | 327 |
| 1996 RO <sub>5</sub> | 1996 09 21.60740 | 22 03 57.28 | -13 35 55.5 | 327        | 1996 SE <sub>4</sub> | 1996 10 07.78981 | 04 19 49.33 | +24 23 36.3 |        | 327 |
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| 1996 RP <sub>5</sub> | 1996 09 18.66494 | 00 55 19.38 | +17 22 01.1 | 327        | 1996 SF <sub>4</sub> | 1996 09 22.82793 | 04 15 24.68 | +25 10 36.7 |        | 327 |
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| 1996 RP <sub>5</sub> | 1996 09 18.68308 | 00 55 18.68 | +17 21 57.4 | 327        | 1996 SF <sub>4</sub> | 1996 09 22.84671 | 04 15 25.28 | +25 10 43.0 | 18.2 V | 327 |
| 1996 RP <sub>5</sub> | 1996 09 21.64875 | 00 53 23.71 | +17 11 49.5 | 327        | 1996 SF <sub>4</sub> | 1996 09 22.85598 | 04 15 25.56 | +25 10 45.4 |        | 327 |
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| 1996 RT <sub>5</sub> | 1996 09 18.73759 | 01 57 43.31 | +12 29 43.2 | 327        | 1996 SG <sub>4</sub> | 1996 09 22.84671 | 04 16 35.28 | +24 47 52.4 | 18.8 V | 327 |
| 1996 RT <sub>5</sub> | 1996 09 18.75074 | 01 57 42.69 | +12 29 44.0 | 18.1 V 327 | 1996 SG <sub>4</sub> | 1996 09 22.85598 | 04 16 35.77 | +24 47 53.8 |        | 327 |
| 1996 RT <sub>5</sub> | 1996 09 18.76388 | 01 57 42.18 | +12 29 45.3 | 327        | 1996 SG <sub>4</sub> | 1996 10 05.84116 | 04 24 24.38 | +25 11 24.4 | 18.9 V | 327 |
| 1996 ST              | 1996 10 09.47831 | 21 56 45.67 | -10 07 09.3 | 327        | 1996 SG <sub>4</sub> | 1996 10 05.85439 | 04 24 24.69 | +25 11 26.1 |        | 327 |
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| 1996 ST              | 1996 10 09.50694 | 21 56 46.20 | -10 07 09.7 | 327        | 1996 SG <sub>4</sub> | 1996 10 07.79539 | 04 25 07.84 | +25 13 37.6 |        | 327 |
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| 1996 SA <sub>1</sub> | 1996 09 23.70933 | 00 53 25.89 | +04 32 47.5 | 327        | 1996 SH <sub>4</sub> | 1996 10 05.80993 | 04 13 14.58 | +27 58 59.0 |        | 327 |
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| 1996 SA <sub>1</sub> | 1996 10 03.70900 | 00 42 16.62 | +04 19 19.0 | 17.4 V 327 | 1996 SJ <sub>4</sub> | 1996 10 07.47903 | 21 55 36.64 | -11 24 22.0 | 18.0 V | 327 |
| 1996 SB <sub>1</sub> | 1996 09 23.70933 | 00 56 04.24 | +04 40 06.7 | 327        | 1996 SJ <sub>4</sub> | 1996 10 07.48772 | 21 55 36.78 | -11 24 19.3 |        | 327 |
| 1996 SB <sub>1</sub> | 1996 09 23.71860 | 00 56 03.78 | +04 40 04.5 | 18.2 V 327 | 1996 SK <sub>4</sub> | 1996 09 23.70933 | 00 53 33.39 | +04 17 00.8 |        | 327 |
| 1996 SB <sub>1</sub> | 1996 09 23.72862 | 00 56 03.38 | +04 40 01.4 | 327        | 1996 SK <sub>4</sub> | 1996 09 23.71860 | 00 53 32.77 | +04 16 59.8 |        | 327 |
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| 1996 SC <sub>1</sub> | 1996 09 22.74024 | 00 55 09.16 | +05 25 10.4 | 327        | 1996 SK <sub>4</sub> | 1996 10 03.67985 | 00 43 24.02 | +04 08 38.4 |        | 327 |
| 1996 SC <sub>1</sub> | 1996 09 22.74994 | 00 55 08.68 | +05 25 06.9 | 327        | 1996 SK <sub>4</sub> | 1996 10 03.69593 | 00 43 23.00 | +04 08 37.8 |        | 327 |
| 1996 SC <sub>1</sub> | 1996 09 22.75472 | 00 55 08.39 | +05 25 04.6 | 18.9 V 327 | 1996 SK <sub>4</sub> | 1996 10 03.70900 | 00 43 22.15 | +04 08 37.3 | 16.9 V | 327 |
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| 1996 SL <sub>4</sub> | 1996 10 05.70858   | 00 41 49.97 | +03 51 26.6 | 18.2 V | 327 | 1996 SW <sub>5</sub> | * 1996 09 18.66494 | 00 52 50.55 | +17 21 49.4 | 19.2 V | 327 |
| 1996 SO <sub>4</sub> | 1996 09 23.70933   | 00 54 45.41 | +04 54 11.1 |        | 327 | 1996 SW <sub>5</sub> | 1996 09 18.67377   | 00 52 50.19 | +17 21 46.0 |        | 327 |
| 1996 SO <sub>4</sub> | 1996 09 23.71860   | 00 54 44.50 | +04 54 16.4 |        | 327 | 1996 SW <sub>5</sub> | 1996 09 18.68308   | 00 52 49.86 | +17 21 42.5 |        | 327 |
| 1996 SO <sub>4</sub> | 1996 09 23.72862   | 00 54 43.54 | +04 54 21.9 |        | 327 | 1996 SW <sub>5</sub> | 1996 09 21.64875   | 00 51 00.54 | +17 01 21.1 |        | 327 |
| 1996 SO <sub>4</sub> | 1996 09 23.74008   | 00 54 42.35 | +04 54 28.4 | 17.9 V | 327 | 1996 SW <sub>5</sub> | 1996 09 21.66265   | 00 51 00.00 | +17 01 15.0 |        | 327 |
| 1996 SQ <sub>4</sub> | 1996 09 21.75032   | 01 59 50.11 | +12 18 50.2 |        | 327 | 1996 SW <sub>5</sub> | 1996 09 21.67730   | 00 50 59.47 | +17 01 09.2 | 19.6 V | 327 |
| 1996 SQ <sub>4</sub> | 1996 09 21.76428   | 01 59 49.77 | +12 18 40.2 | 19.0 V | 327 | 1996 SX <sub>5</sub> | * 1996 09 18.66494 | 00 56 17.92 | +16 48 46.4 |        | 327 |
| 1996 SQ <sub>4</sub> | 1996 09 21.77817   | 01 59 49.41 | +12 18 30.1 |        | 327 | 1996 SX <sub>5</sub> | 1996 09 18.66934   | 00 56 17.78 | +16 48 47.7 |        | 327 |
| 1996 SQ <sub>4</sub> | 1996 09 22.76832   | 01 59 24.16 | +12 06 08.1 |        | 327 | 1996 SX <sub>5</sub> | 1996 09 18.67377   | 00 56 17.38 | +16 48 49.3 | 18.4 V | 327 |
| 1996 SQ <sub>4</sub> | 1996 09 22.77769   | 01 59 23.94 | +12 06 00.4 |        | 327 | 1996 SX <sub>5</sub> | 1996 09 18.67865   | 00 56 17.22 | +16 48 50.0 | 18.7 V | 327 |
| 1996 SQ <sub>4</sub> | 1996 09 22.78873   | 01 59 23.63 | +12 05 52.6 | 19.5 V | 327 | 1996 SX <sub>5</sub> | 1996 09 18.68308   | 00 56 16.88 | +16 48 51.1 |        | 327 |
| 1996 SQ <sub>4</sub> | 1996 10 05.71295   | 01 52 05.24 | +09 05 57.7 |        | 327 | 1996 SX <sub>5</sub> | 1996 09 18.68750   | 00 56 16.76 | +16 48 51.7 |        | 327 |
| 1996 SQ <sub>4</sub> | 1996 10 05.72625   | 01 52 04.69 | +09 05 45.8 | 18.5 V | 327 | 1996 SX <sub>5</sub> | 1996 09 21.64875   | 00 53 34.74 | +16 59 50.2 |        | 327 |
| 1996 SQ <sub>4</sub> | 1996 10 05.74179   | 01 52 03.96 | +09 05 31.4 |        | 327 | 1996 SX <sub>5</sub> | 1996 09 21.66265   | 00 53 33.97 | +16 59 51.7 | 17.9 V | 327 |
| 1996 SR <sub>4</sub> | 1996 09 18.73311   | 02 01 56.47 | +12 20 35.2 | 19.0 V | 327 | 1996 SX <sub>5</sub> | 1996 09 21.67730   | 00 53 33.09 | +16 59 55.0 |        | 327 |
| 1996 SR <sub>4</sub> | 1996 09 18.74637   | 02 01 56.08 | +12 20 35.5 |        | 327 | 1996 SY <sub>5</sub> | 1996 09 18.69192   | 00 58 35.15 | +05 29 52.0 |        | 327 |
| 1996 SR <sub>4</sub> | 1996 09 18.75950   | 02 01 55.60 | +12 20 35.7 |        | 327 | 1996 SY <sub>5</sub> | * 1996 09 18.69631 | 00 58 35.06 | +05 29 49.5 | 18.5 V | 327 |
| 1996 SR <sub>4</sub> | 1996 09 21.75032   | 02 00 12.81 | +12 22 15.2 | 18.6 V | 327 | 1996 SY <sub>5</sub> | 1996 09 18.70656   | 00 58 34.55 | +05 29 47.0 | 18.4 V | 327 |
| 1996 SR <sub>4</sub> | 1996 09 21.76428   | 02 00 12.26 | +12 22 15.3 |        | 327 | 1996 SY <sub>5</sub> | 1996 09 18.71094   | 00 58 34.49 | +05 29 45.1 |        | 327 |
| 1996 SR <sub>4</sub> | 1996 09 21.77817   | 02 00 11.72 | +12 22 15.7 |        | 327 | 1996 SY <sub>5</sub> | 1996 09 18.71979   | 00 58 34.04 | +05 29 43.1 |        | 327 |
| 1996 SR <sub>4</sub> | 1996 09 22.76832   | 01 59 33.90 | +12 22 30.8 |        | 327 | 1996 SY <sub>5</sub> | 1996 09 18.72432   | 00 58 33.92 | +05 29 40.9 |        | 327 |
| 1996 SR <sub>4</sub> | 1996 09 22.77769   | 01 59 33.48 | +12 22 30.7 |        | 327 | 1996 SY <sub>5</sub> | 1996 09 22.72624   | 00 56 01.41 | +05 10 00.1 |        | 327 |
| 1996 SR <sub>4</sub> | 1996 09 22.78873   | 01 59 33.04 | +12 22 31.1 | 18.5 V | 327 | 1996 SY <sub>5</sub> | 1996 09 22.74024   | 00 56 00.81 | +05 09 56.5 |        | 327 |
| 1996 SS <sub>4</sub> | 1996 09 21.75032   | 02 00 18.12 | +12 32 31.7 | 18.5 V | 327 | 1996 SY <sub>5</sub> | 1996 09 22.74994   | 00 56 00.42 | +05 09 53.0 |        | 327 |
| 1996 SS <sub>4</sub> | 1996 09 21.76428   | 02 00 17.68 | +12 32 28.0 |        | 327 | 1996 SY <sub>5</sub> | 1996 09 22.75472   | 00 56 00.23 | +05 09 51.9 | 18.5 V | 327 |
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| 1996 SS <sub>4</sub> | 1996 09 22.77769   | 01 59 43.26 | +12 27 52.4 | 18.8 V | 327 | 1996 SZ <sub>5</sub> | 1996 09 18.72432   | 01 00 38.57 | +06 02 25.6 |        | 327 |
| 1996 SS <sub>4</sub> | 1996 09 22.78873   | 01 59 42.84 | +12 27 48.7 |        | 327 | 1996 SZ <sub>5</sub> | 1996 09 21.65821   | 00 58 22.22 | +05 59 03.0 |        | 327 |
| 1996 SS <sub>4</sub> | 1996 10 05.71735   | 01 50 25.68 | +11 16 17.0 | 18.0 V | 327 | 1996 SZ <sub>5</sub> | 1996 09 21.67271   | 00 58 21.54 | +05 59 02.5 | 18.6 V | 327 |
| 1996 SS <sub>4</sub> | 1996 10 05.73149   | 01 50 24.94 | +11 16 11.0 |        | 327 | 1996 SZ <sub>5</sub> | 1996 09 21.68275   | 00 58 20.99 | +05 59 02.3 |        | 327 |
| 1996 SS <sub>4</sub> | 1996 10 05.74618   | 01 50 24.20 | +11 16 05.8 |        | 327 | 1996 SZ <sub>5</sub> | 1996 09 22.72624   | 00 57 30.77 | +05 57 39.7 |        | 327 |
| 1996 SS <sub>4</sub> | 1996 10 14.68416   | 01 42 26.22 | +10 16 17.8 |        | 327 | 1996 SZ <sub>5</sub> | 1996 09 22.74024   | 00 57 30.01 | +05 57 39.4 | 18.6 V | 327 |
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| 1996 SS <sub>4</sub> | 1996 10 14.72137   | 01 42 24.08 | +10 16 02.2 | 18.0 V | 327 | 1996 SZ <sub>5</sub> | 1996 09 22.75472   | 00 57 29.27 | +05 57 37.5 |        | 327 |
| 1996 ST <sub>4</sub> | 1996 09 21.74063   | 02 00 47.95 | +11 53 08.7 | 19.1 V | 327 | 1996 SA <sub>6</sub> | * 1996 09 18.69631 | 01 01 31.49 | +06 19 37.3 |        | 327 |
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| 1996 ST <sub>4</sub> | 1996 09 21.76906   | 02 00 46.85 | +11 53 05.5 |        | 327 | 1996 SA <sub>6</sub> | 1996 09 18.72432   | 01 01 30.42 | +06 19 25.8 | 18.6 V | 327 |
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| 1996 SU <sub>4</sub> | 1996 10 05.73725   | 01 51 32.42 | +12 04 44.9 |        | 327 | 1996 SA <sub>6</sub> | 1996 09 23.66786   | 00 58 20.01 | +05 43 46.2 |        | 327 |
| 1996 SU <sub>4</sub> | 1996 10 05.75096   | 01 51 31.65 | +12 04 43.5 | 17.5 V | 327 | 1996 SA <sub>6</sub> | 1996 09 23.68958   | 00 58 19.04 | +05 43 35.6 | 19.0 V | 327 |
| 1996 SV <sub>4</sub> | 1996 10 05.72174   | 01 54 18.60 | +11 39 36.3 |        | 327 | 1996 SA <sub>6</sub> | 1996 09 23.70266   | 00 58 18.49 | +05 43 30.5 |        | 327 |
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| 1996 SV <sub>4</sub> | 1996 10 05.75096   | 01 54 17.35 | +11 39 31.0 | 18.0 V | 327 | 1996 SB <sub>6</sub> | 1996 09 18.71094   | 01 01 41.12 | +06 02 11.3 |        | 327 |
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| 1996 SV <sub>5</sub> | 1996 09 17.70662   | 00 55 26.49 | +17 12 22.0 |        | 327 | 1996 SB <sub>6</sub> | 1996 09 21.65821   | 00 59 28.50 | +05 53 13.8 |        | 327 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 SB <sub>6</sub> | 1996 09 21.67271   | 00 59 27.77 | +05 53 11.2 |        | 327 | 1996 SG <sub>6</sub> | 1996 09 22.76832   | 01 59 21.61 | +11 32 51.1 |        | 327 |
| 1996 SB <sub>6</sub> | 1996 09 21.68275   | 00 59 27.28 | +05 53 09.4 | 18.2 V | 327 | 1996 SG <sub>6</sub> | 1996 09 22.77769   | 01 59 21.27 | +11 32 50.5 |        | 327 |
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| 1996 SB <sub>6</sub> | 1996 09 23.65419   | 00 57 53.52 | +05 46 41.6 | 18.0 V | 327 | 1996 SH <sub>6</sub> | 1996 09 21.74063   | 02 00 02.11 | +11 19 55.9 |        | 327 |
| 1996 SB <sub>6</sub> | 1996 09 23.66786   | 00 57 52.76 | +05 46 38.8 |        | 327 | 1996 SH <sub>6</sub> | 1996 09 21.75476   | 02 00 01.59 | +11 19 50.3 | 17.8 V | 327 |
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| 1996 SC <sub>6</sub> | * 1996 09 18.69631 | 01 01 53.70 | +05 57 01.0 |        | 327 | 1996 SH <sub>6</sub> | 1996 10 05.72625   | 01 50 30.29 | +09 33 39.0 |        | 327 |
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| 1996 SD <sub>6</sub> | 1996 09 18.72432   | 01 01 55.98 | +05 42 04.7 |        | 327 | 1996 SJ <sub>6</sub> | 1996 09 21.74063   | 02 00 00.80 | +11 50 59.3 | 17.8 V | 327 |
| 1996 SD <sub>6</sub> | 1996 09 21.65821   | 00 59 41.33 | +05 29 32.1 | 18.1 V | 327 | 1996 SJ <sub>6</sub> | 1996 09 21.75476   | 02 00 00.27 | +11 51 01.3 |        | 327 |
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| 1996 SD <sub>6</sub> | 1996 09 22.72624   | 00 58 50.01 | +05 24 46.6 |        | 327 | 1996 SJ <sub>6</sub> | 1996 09 22.77769   | 01 59 23.85 | +11 53 15.0 | 17.7 V | 327 |
| 1996 SD <sub>6</sub> | 1996 09 22.74024   | 00 58 49.28 | +05 24 43.0 |        | 327 | 1996 SJ <sub>6</sub> | 1996 09 22.78873   | 01 59 23.43 | +11 53 16.2 |        | 327 |
| 1996 SD <sub>6</sub> | 1996 09 22.74994   | 00 58 48.81 | +05 24 40.6 |        | 327 | 1996 SK <sub>6</sub> | * 1996 09 20.85005 | 02 03 01.06 | +12 24 56.3 | 18.2 V | 327 |
| 1996 SD <sub>6</sub> | 1996 09 22.75472   | 00 58 48.58 | +05 24 39.4 | 18.1 V | 327 | 1996 SK <sub>6</sub> | 1996 09 20.85442   | 02 03 01.00 | +12 24 54.5 |        | 327 |
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| 1996 SD <sub>6</sub> | 1996 09 23.66786   | 00 58 04.29 | +05 20 29.5 |        | 327 | 1996 SK <sub>6</sub> | 1996 09 20.86340   | 02 03 00.84 | +12 24 51.8 |        | 327 |
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| 1996 SE <sub>6</sub> | * 1996 09 18.70080 | 00 59 17.45 | +07 15 25.9 |        | 327 | 1996 SK <sub>6</sub> | 1996 09 22.78286   | 02 02 28.02 | +12 15 25.9 | 18.1 V | 327 |
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| 1996 SE <sub>6</sub> | 1996 09 21.72061   | 00 57 12.31 | +06 49 04.2 |        | 327 | 1996 SL <sub>6</sub> | 1996 09 22.72624   | 00 58 39.08 | +05 28 22.1 |        | 327 |
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| 1996 SF <sub>6</sub> | 1996 09 21.73498   | 00 57 29.82 | +06 38 04.2 |        | 327 | 1996 SM <sub>6</sub> | 1996 09 22.72624   | 00 58 56.28 | +05 34 44.7 |        | 327 |
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| 1996 SG <sub>6</sub> | 1996 09 21.75476   | 01 59 56.16 | +11 33 57.2 |        | 327 | 1996 SN <sub>6</sub> | 1996 09 21.68275   | 00 57 33.90 | +05 35 38.8 |        | 327 |
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| 1996 SO <sub>6</sub> | 1996 09 21.68275   | 00 59 32.48 | +05 48 17.4 |        | 327 | 1996 SW <sub>6</sub> | 1996 09 22.83740   | 04 14 14.26 | +24 56 50.2 |        | 327 |
| 1996 SO <sub>6</sub> | 1996 09 22.72624   | 00 58 39.86 | +05 42 01.4 |        | 327 | 1996 SW <sub>6</sub> | 1996 09 22.84671   | 04 14 14.58 | +24 56 50.8 |        | 327 |
| 1996 SO <sub>6</sub> | 1996 09 22.74024   | 00 58 39.09 | +05 41 56.2 |        | 327 | 1996 SW <sub>6</sub> | 1996 09 22.85598   | 04 14 14.92 | +24 56 51.0 |        | 327 |
| 1996 SO <sub>6</sub> | 1996 09 22.75472   | 00 58 38.31 | +05 41 51.2 | 20.0 V | 327 | 1996 SX <sub>6</sub> | * 1996 09 21.83699 | 04 15 20.84 | +24 48 37.2 |        | 327 |
| 1996 SP <sub>6</sub> | * 1996 09 21.75032 | 01 59 06.47 | +12 06 44.2 |        | 327 | 1996 SX <sub>6</sub> | 1996 09 21.84568   | 04 15 21.10 | +24 48 37.2 | 19.9 V | 327 |
| 1996 SP <sub>6</sub> | 1996 09 21.76428   | 01 59 05.89 | +12 06 43.3 |        | 327 | 1996 SX <sub>6</sub> | 1996 09 21.85486   | 04 15 21.34 | +24 48 37.3 |        | 327 |
| 1996 SP <sub>6</sub> | 1996 09 21.77817   | 01 59 05.32 | +12 06 43.1 | 19.7 V | 327 | 1996 SX <sub>6</sub> | 1996 09 22.82793   | 04 15 48.41 | +24 48 56.5 |        | 327 |
| 1996 SP <sub>6</sub> | 1996 09 22.76832   | 01 58 23.46 | +12 06 17.3 |        | 327 | 1996 SX <sub>6</sub> | 1996 09 22.83740   | 04 15 48.78 | +24 48 56.8 |        | 327 |
| 1996 SP <sub>6</sub> | 1996 09 22.77769   | 01 58 23.02 | +12 06 16.7 | 19.6 V | 327 | 1996 SX <sub>6</sub> | 1996 09 22.84671   | 04 15 48.93 | +24 48 56.7 |        | 327 |
| 1996 SP <sub>6</sub> | 1996 09 22.78873   | 01 58 22.54 | +12 06 16.9 |        | 327 | 1996 SX <sub>6</sub> | 1996 09 22.85598   | 04 15 49.18 | +24 48 56.9 | 19.6 V | 327 |
| 1996 SQ <sub>6</sub> | * 1996 09 21.79222 | 02 58 53.63 | +14 14 00.1 | 19.9 V | 327 | 1996 SY <sub>6</sub> | * 1996 09 21.83699 | 04 15 46.70 | +25 24 49.6 |        | 327 |
| 1996 SQ <sub>6</sub> | 1996 09 21.80558   | 02 58 53.45 | +14 13 55.1 |        | 327 | 1996 SY <sub>6</sub> | 1996 09 21.84568   | 04 15 46.99 | +25 24 50.4 |        | 327 |
| 1996 SQ <sub>6</sub> | 1996 09 21.82090   | 02 58 53.26 | +14 13 49.4 |        | 327 | 1996 SY <sub>6</sub> | 1996 09 21.85486   | 04 15 47.32 | +25 24 52.4 | 20.0 V | 327 |
| 1996 SQ <sub>6</sub> | 1996 09 22.79465   | 02 58 41.94 | +14 08 10.5 |        | 327 | 1996 SY <sub>6</sub> | 1996 09 22.82793   | 04 16 23.57 | +25 28 11.6 |        | 327 |
| 1996 SQ <sub>6</sub> | 1996 09 22.80374   | 02 58 41.84 | +14 08 07.5 | 20.3 V | 327 | 1996 SY <sub>6</sub> | 1996 09 22.83740   | 04 16 23.88 | +25 28 14.1 |        | 327 |
| 1996 SQ <sub>6</sub> | 1996 09 22.81759   | 02 58 41.68 | +14 08 02.7 |        | 327 | 1996 SY <sub>6</sub> | 1996 09 22.84671   | 04 16 24.22 | +25 28 15.7 | 19.9 V | 327 |
| 1996 SR <sub>6</sub> | * 1996 09 21.79222 | 02 59 20.22 | +14 19 34.7 |        | 327 | 1996 SY <sub>6</sub> | 1996 09 22.85598   | 04 16 24.46 | +25 28 18.2 |        | 327 |
| 1996 SR <sub>6</sub> | 1996 09 21.80558   | 02 59 19.88 | +14 19 34.3 | 20.4 V | 327 | 1996 SZ <sub>6</sub> | * 1996 09 19.84178 | 04 32 02.00 | +26 38 49.7 |        | 327 |
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| 1996 SR <sub>6</sub> | 1996 09 22.80374   | 02 58 58.99 | +14 18 08.7 |        | 327 | 1996 SZ <sub>6</sub> | 1996 09 19.87183   | 04 32 02.58 | +26 38 50.5 |        | 327 |
| 1996 SR <sub>6</sub> | 1996 09 22.81759   | 02 58 58.66 | +14 18 07.7 |        | 327 | 1996 SZ <sub>6</sub> | 1996 09 22.83231   | 04 32 57.56 | +26 40 03.3 | 18.8 V | 327 |
| 1996 SS <sub>6</sub> | * 1996 09 21.79222 | 02 59 42.26 | +14 27 39.8 | 18.7 V | 327 | 1996 SZ <sub>6</sub> | 1996 09 22.84238   | 04 32 57.69 | +26 40 03.4 |        | 327 |
| 1996 SS <sub>6</sub> | 1996 09 21.80558   | 02 59 42.08 | +14 27 39.3 |        | 327 | 1996 SZ <sub>6</sub> | 1996 09 22.85146   | 04 32 57.87 | +26 40 04.4 |        | 327 |
| 1996 SS <sub>6</sub> | 1996 09 21.82090   | 02 59 41.84 | +14 27 38.6 |        | 327 | 1996 SZ <sub>6</sub> | 1996 09 22.86034   | 04 32 58.00 | +26 40 03.9 |        | 327 |
| 1996 SS <sub>6</sub> | 1996 09 22.79465   | 02 59 28.17 | +14 26 43.0 |        | 327 | 1996 SA <sub>7</sub> | * 1996 09 21.65821 | 00 59 02.95 | +05 10 14.8 | 19.2 V | 327 |
| 1996 SS <sub>6</sub> | 1996 09 22.80374   | 02 59 28.01 | +14 26 43.3 | 18.9 V | 327 | 1996 SA <sub>7</sub> | 1996 09 21.68275   | 00 59 02.01 | +05 10 10.7 |        | 327 |
| 1996 SS <sub>6</sub> | 1996 09 22.81759   | 02 59 27.81 | +14 26 41.8 |        | 327 | 1996 SA <sub>7</sub> | 1996 09 22.72624   | 00 58 18.80 | +05 06 33.8 |        | 327 |
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| 1996 ST <sub>6</sub> | 1996 09 21.80558   | 03 00 17.10 | +14 50 34.6 |        | 327 | 1996 SA <sub>7</sub> | 1996 09 22.74994   | 00 58 17.76 | +05 06 28.6 | 19.1 V | 327 |
| 1996 ST <sub>6</sub> | 1996 09 21.82090   | 03 00 17.21 | +14 50 30.1 | 21.3 V | 327 | 1996 SA <sub>7</sub> | 1996 09 22.75472   | 00 58 17.56 | +05 06 27.5 |        | 327 |
| 1996 ST <sub>6</sub> | 1996 09 22.79465   | 03 00 29.67 | +14 45 18.9 | 20.3 V | 327 | 1996 SB <sub>7</sub> | * 1996 09 21.75032 | 01 59 12.17 | +12 09 14.8 |        | 327 |
| 1996 ST <sub>6</sub> | 1996 09 22.80374   | 03 00 29.64 | +14 45 16.3 |        | 327 | 1996 SB <sub>7</sub> | 1996 09 21.76428   | 01 59 11.95 | +12 09 03.2 | 18.0 V | 327 |
| 1996 ST <sub>6</sub> | 1996 09 22.81759   | 03 00 29.85 | +14 45 11.9 |        | 327 | 1996 SB <sub>7</sub> | 1996 09 21.77817   | 01 59 11.73 | +12 08 51.4 |        | 327 |
| 1996 SU <sub>6</sub> | * 1996 09 21.80113 | 03 02 22.55 | +14 15 37.2 | 19.1 V | 327 | 1996 SB <sub>7</sub> | 1996 09 22.76832   | 01 58 58.52 | +11 54 51.5 | 17.8 V | 327 |
| 1996 SU <sub>6</sub> | 1996 09 21.81656   | 03 02 22.31 | +14 15 34.5 |        | 327 | 1996 SC <sub>7</sub> | * 1996 09 21.83699 | 04 15 04.99 | +24 44 04.3 |        | 327 |
| 1996 SU <sub>6</sub> | 1996 09 21.83147   | 03 02 22.14 | +14 15 31.2 |        | 327 | 1996 SC <sub>7</sub> | 1996 09 21.84568   | 04 15 05.33 | +24 44 09.2 | 17.3 V | 327 |
| 1996 SU <sub>6</sub> | 1996 09 23.75579   | 03 01 55.09 | +14 09 17.6 |        | 327 | 1996 SC <sub>7</sub> | 1996 09 21.85486   | 04 15 05.66 | +24 44 13.8 |        | 327 |
| 1996 SU <sub>6</sub> | 1996 09 23.77175   | 03 01 54.81 | +14 09 15.2 |        | 327 | 1996 SC <sub>7</sub> | 1996 09 22.82793   | 04 15 41.57 | +24 53 22.6 |        | 327 |
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| 1996 SU <sub>6</sub> | 1996 09 23.80215   | 03 01 54.23 | +14 09 09.5 | 19.2 V | 327 | 1996 SC <sub>7</sub> | 1996 09 22.85598   | 04 15 42.58 | +24 53 38.8 |        | 327 |
| 1996 SV <sub>6</sub> | * 1996 09 21.80113 | 03 02 32.88 | +13 52 28.3 | 18.5 V | 327 | 1996 SS <sub>7</sub> | * 1996 09 23.60087 | 23 04 37.91 | +12 32 06.3 | 17.0 V | 327 |
| 1996 SV <sub>6</sub> | 1996 09 21.81656   | 03 02 32.71 | +13 52 24.4 |        | 327 | 1996 SS <sub>7</sub> | 1996 09 23.61545   | 23 04 37.22 | +12 32 00.3 |        | 327 |
| 1996 SV <sub>6</sub> | 1996 09 21.83147   | 03 02 32.51 | +13 52 20.4 |        | 327 | 1996 SS <sub>7</sub> | 1996 09 23.63126   | 23 04 36.49 | +12 31 52.3 |        | 327 |
| 1996 SV <sub>6</sub> | 1996 09 23.75579   | 03 02 07.95 | +13 44 32.5 |        | 327 | 1996 SS <sub>7</sub> | 1996 10 03.65134   | 22 57 23.36 | +11 14 40.4 |        | 327 |
| 1996 SV <sub>6</sub> | 1996 09 23.77175   | 03 02 07.70 | +13 44 29.0 |        | 327 | 1996 SS <sub>7</sub> | 1996 10 03.65588   | 22 57 23.25 | +11 14 37.7 |        | 327 |
| 1996 SV <sub>6</sub> | 1996 09 23.78634   | 03 02 07.47 | +13 44 25.2 | 19.1 V | 327 | 1996 SS <sub>7</sub> | 1996 10 03.66037   | 22 57 23.12 | +11 14 35.0 | 17.5 V | 327 |

|                      |                    |             |             |            |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 SS <sub>7</sub> | 1996 10 03.66567   | 22 57 22.95 | +11 14 31.8 | 327        | 1996 SA <sub>8</sub> | 1996 09 23.66786   | 00 59 34.74 | +05 45 43.4 |        | 327 |
| 1996 ST <sub>7</sub> | * 1996 09 17.69796 | 00 54 44.89 | +17 12 08.3 | 327        | 1996 SA <sub>8</sub> | 1996 09 23.68958   | 00 59 33.54 | +05 45 46.4 | 17.6 V | 327 |
| 1996 ST <sub>7</sub> | 1996 09 17.70662   | 00 54 44.51 | +17 12 07.1 | 327        | 1996 SA <sub>8</sub> | 1996 09 23.70266   | 00 59 32.81 | +05 45 48.2 |        | 327 |
| 1996 ST <sub>7</sub> | 1996 09 17.71534   | 00 54 44.17 | +17 12 06.9 | 18.8 V 327 | 1996 SB <sub>8</sub> | * 1996 09 21.70509 | 00 57 20.29 | +06 04 02.9 |        | 327 |
| 1996 ST <sub>7</sub> | 1996 09 21.64875   | 00 52 05.04 | +17 02 46.1 | 327        | 1996 SB <sub>8</sub> | 1996 09 21.72061   | 00 57 19.63 | +06 03 50.5 |        | 327 |
| 1996 ST <sub>7</sub> | 1996 09 21.66265   | 00 52 04.46 | +17 02 44.1 | 19.1 V 327 | 1996 SB <sub>8</sub> | 1996 09 21.73498   | 00 57 19.08 | +06 03 39.1 | 19.1 V | 327 |
| 1996 ST <sub>7</sub> | 1996 09 21.67730   | 00 52 03.82 | +17 02 41.6 | 327        | 1996 SB <sub>8</sub> | 1996 09 22.72624   | 00 56 41.08 | +05 50 37.5 |        | 327 |
| 1996 SU <sub>7</sub> | * 1996 09 18.57959 | 22 05 32.93 | -13 08 59.6 | 18.1 V 327 | 1996 SB <sub>8</sub> | 1996 09 22.74024   | 00 56 40.49 | +05 50 26.2 |        | 327 |
| 1996 SU <sub>7</sub> | 1996 09 18.58892   | 22 05 32.51 | -13 08 58.5 | 327        | 1996 SB <sub>8</sub> | 1996 09 22.74994   | 00 56 40.11 | +05 50 19.1 | 18.7 V | 327 |
| 1996 SU <sub>7</sub> | 1996 09 18.59933   | 22 05 32.09 | -13 08 57.7 | 327        | 1996 SB <sub>8</sub> | 1996 09 22.75472   | 00 56 39.90 | +05 50 14.9 |        | 327 |
| 1996 SU <sub>7</sub> | 1996 09 21.60740   | 22 03 40.56 | -13 03 50.9 | 18.4 327   | 1996 SC <sub>8</sub> | * 1996 09 21.74063 | 01 58 42.35 | +11 41 50.7 | 19.1 V | 327 |
| 1996 SU <sub>7</sub> | 1996 09 21.62113   | 22 03 40.04 | -13 03 49.3 | 327        | 1996 SC <sub>8</sub> | 1996 09 21.75476   | 01 58 41.96 | +11 41 51.5 |        | 327 |
| 1996 SU <sub>7</sub> | 1996 09 21.63438   | 22 03 39.57 | -13 03 47.3 | 327        | 1996 SC <sub>8</sub> | 1996 09 21.76906   | 01 58 41.59 | +11 41 51.0 |        | 327 |
| 1996 SV <sub>7</sub> | * 1996 09 18.66934 | 00 56 30.23 | +16 39 21.0 | 17.1 V 327 | 1996 SC <sub>8</sub> | 1996 09 22.76832   | 01 58 17.12 | +11 41 53.3 |        | 327 |
| 1996 SV <sub>7</sub> | 1996 09 18.67865   | 00 56 29.81 | +16 39 20.7 | 327        | 1996 SC <sub>8</sub> | 1996 09 22.77769   | 01 58 16.85 | +11 41 52.7 |        | 327 |
| 1996 SV <sub>7</sub> | 1996 09 18.68750   | 00 56 29.35 | +16 39 20.2 | 327        | 1996 SC <sub>8</sub> | 1996 09 22.78873   | 01 58 16.55 | +11 41 52.9 | 18.8 V | 327 |
| 1996 SV <sub>7</sub> | 1996 09 21.64875   | 00 54 15.16 | +16 34 36.0 | 327        | 1996 SD <sub>8</sub> | * 1996 09 21.74063 | 01 59 14.63 | +11 42 43.1 | 19.4 V | 327 |
| 1996 SV <sub>7</sub> | 1996 09 21.66265   | 00 54 14.53 | +16 34 34.6 | 327        | 1996 SD <sub>8</sub> | 1996 09 21.75476   | 01 59 14.07 | +11 42 46.5 |        | 327 |
| 1996 SV <sub>7</sub> | 1996 09 21.67730   | 00 54 13.74 | +16 34 33.0 | 17.0 V 327 | 1996 SD <sub>8</sub> | 1996 09 21.76906   | 01 59 13.39 | +11 42 49.6 |        | 327 |
| 1996 SW <sub>7</sub> | * 1996 09 18.69631 | 01 01 53.95 | +06 05 08.8 | 327        | 1996 SD <sub>8</sub> | 1996 09 22.76832   | 01 58 31.09 | +11 46 53.5 |        | 327 |
| 1996 SW <sub>7</sub> | 1996 09 18.71094   | 01 01 53.29 | +06 05 01.2 | 327        | 1996 SD <sub>8</sub> | 1996 09 22.77769   | 01 58 30.67 | +11 46 56.5 | 19.2 V | 327 |
| 1996 SW <sub>7</sub> | 1996 09 18.72432   | 01 01 52.73 | +06 04 55.1 | 17.6 V 327 | 1996 SD <sub>8</sub> | 1996 09 22.78873   | 01 58 30.18 | +11 46 59.0 |        | 327 |
| 1996 SW <sub>7</sub> | 1996 09 21.65821   | 00 59 47.33 | +05 40 42.8 | 17.5 V 327 | 1996 SE <sub>8</sub> | * 1996 09 21.74063 | 02 01 26.66 | +11 53 13.6 |        | 327 |
| 1996 SW <sub>7</sub> | 1996 09 21.67271   | 00 59 46.63 | +05 40 35.2 | 327        | 1996 SE <sub>8</sub> | 1996 09 21.75476   | 02 01 26.20 | +11 53 10.4 | 18.5 V | 327 |
| 1996 SW <sub>7</sub> | 1996 09 21.68275   | 00 59 46.16 | +05 40 30.2 | 327        | 1996 SE <sub>8</sub> | 1996 09 21.76906   | 02 01 25.74 | +11 53 08.1 |        | 327 |
| 1996 SW <sub>7</sub> | 1996 09 23.65419   | 00 58 17.27 | +05 23 43.0 | 17.7 V 327 | 1996 SE <sub>8</sub> | 1996 09 22.76280   | 02 00 55.17 | +11 49 51.5 | 18.7 V | 327 |
| 1996 SW <sub>7</sub> | 1996 09 23.66786   | 00 58 16.63 | +05 23 35.9 | 327        | 1996 SE <sub>8</sub> | 1996 09 22.77331   | 02 00 54.81 | +11 49 49.0 |        | 327 |
| 1996 SW <sub>7</sub> | 1996 09 23.68958   | 00 58 15.57 | +05 23 24.4 | 327        | 1996 SE <sub>8</sub> | 1996 09 22.78286   | 02 00 54.54 | +11 49 47.2 |        | 327 |
| 1996 SW <sub>7</sub> | 1996 09 23.70266   | 00 58 14.96 | +05 23 18.3 | 327        | 1996 SF <sub>8</sub> | * 1996 09 21.75032 | 02 01 05.32 | +12 19 12.4 |        | 327 |
| 1996 SX <sub>7</sub> | * 1996 09 18.73311 | 01 59 13.14 | +12 09 30.3 | 327        | 1996 SF <sub>8</sub> | 1996 09 21.76428   | 02 01 05.09 | +12 19 10.1 | 17.5 V | 327 |
| 1996 SX <sub>7</sub> | 1996 09 18.74637   | 01 59 12.86 | +12 09 25.4 | 19.0 V 327 | 1996 SF <sub>8</sub> | 1996 09 21.77817   | 02 01 04.85 | +12 19 09.2 |        | 327 |
| 1996 SX <sub>7</sub> | 1996 09 18.75950   | 01 59 12.58 | +12 09 20.4 | 327        | 1996 SF <sub>8</sub> | 1996 09 22.76280   | 02 00 50.27 | +12 16 54.7 |        | 327 |
| 1996 SX <sub>7</sub> | 1996 09 22.76832   | 01 57 39.70 | +11 43 05.5 | 327        | 1996 SF <sub>8</sub> | 1996 09 22.77331   | 02 00 50.05 | +12 16 52.9 |        | 327 |
| 1996 SX <sub>7</sub> | 1996 09 22.77769   | 01 57 39.43 | +11 43 01.3 | 327        | 1996 SF <sub>8</sub> | 1996 09 22.78286   | 02 00 49.88 | +12 16 51.9 | 18.0 V | 327 |
| 1996 SX <sub>7</sub> | 1996 09 22.78873   | 01 57 39.12 | +11 42 56.5 | 19.1 V 327 | 1996 SG <sub>8</sub> | * 1996 09 21.75032 | 02 01 37.66 | +12 09 46.3 | 18.4 V | 327 |
| 1996 SY <sub>7</sub> | * 1996 09 20.59486 | 22 01 34.37 | -15 17 11.7 | 327        | 1996 SG <sub>8</sub> | 1996 09 21.76428   | 02 01 37.21 | +12 09 44.4 |        | 327 |
| 1996 SY <sub>7</sub> | 1996 09 20.60559   | 22 01 34.14 | -15 17 12.4 | 19.6 327   | 1996 SG <sub>8</sub> | 1996 09 21.77817   | 02 01 36.74 | +12 09 41.7 |        | 327 |
| 1996 SY <sub>7</sub> | 1996 09 20.61459   | 22 01 33.88 | -15 17 12.8 | 327        | 1996 SG <sub>8</sub> | 1996 09 22.76280   | 02 01 04.73 | +12 07 11.5 | 18.4 V | 327 |
| 1996 SY <sub>7</sub> | 1996 10 07.56409   | 21 56 24.03 | -15 26 49.5 | 19.7 V 327 | 1996 SG <sub>8</sub> | 1996 09 22.77331   | 02 01 04.33 | +12 07 09.4 |        | 327 |
| 1996 SY <sub>7</sub> | 1996 10 07.57865   | 21 56 23.82 | -15 26 49.8 | 327        | 1996 SG <sub>8</sub> | 1996 09 22.78286   | 02 01 03.99 | +12 07 08.2 |        | 327 |
| 1996 SY <sub>7</sub> | 1996 10 07.59179   | 21 56 23.68 | -15 26 49.3 | 327        | 1996 SG <sub>8</sub> | 1996 10 05.71735   | 01 51 22.04 | +11 19 14.5 |        | 327 |
| 1996 SZ <sub>7</sub> | * 1996 09 21.65821 | 01 00 50.63 | +05 18 14.7 | 327        | 1996 SG <sub>8</sub> | 1996 10 05.73149   | 01 51 21.22 | +11 19 10.6 |        | 327 |
| 1996 SZ <sub>7</sub> | 1996 09 21.67271   | 01 00 49.85 | +05 18 16.3 | 327        | 1996 SG <sub>8</sub> | 1996 10 05.74618   | 01 51 20.34 | +11 19 05.9 | 17.8 V | 327 |
| 1996 SZ <sub>7</sub> | 1996 09 21.68275   | 01 00 49.32 | +05 18 17.9 | 18.1 V 327 | 1996 SG <sub>8</sub> | 1996 10 14.68416   | 01 42 42.86 | +10 34 32.3 |        | 327 |
| 1996 SZ <sub>7</sub> | 1996 09 23.65419   | 00 58 59.97 | +05 21 33.1 | 327        | 1996 SG <sub>8</sub> | 1996 10 14.70149   | 01 42 41.73 | +10 34 26.6 | 17.9 V | 327 |
| 1996 SZ <sub>7</sub> | 1996 09 23.66786   | 00 58 59.18 | +05 21 34.9 | 327        | 1996 SG <sub>8</sub> | 1996 10 14.72137   | 01 42 40.53 | +10 34 20.4 |        | 327 |
| 1996 SZ <sub>7</sub> | 1996 09 23.68958   | 00 58 57.92 | +05 21 36.9 | 18.2 V 327 | 1996 TE              | 1996 10 03.67053   | 00 46 49.74 | +01 25 58.1 |        | 327 |
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| 1996 SA <sub>8</sub> | * 1996 09 21.65821 | 01 01 17.01 | +05 41 07.6 | 327        | 1996 TE              | 1996 10 03.70030   | 00 46 48.24 | +01 25 50.5 | 17.8 V | 327 |
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| 1996 SA <sub>8</sub> | 1996 09 21.68275   | 01 01 15.67 | +05 41 11.7 | 18.4 V 327 | 1996 TE              | 1996 10 05.68581   | 00 45 09.42 | +01 17 23.5 | 17.8 V | 327 |
| 1996 SA <sub>8</sub> | 1996 09 23.65419   | 00 59 35.55 | +05 45 41.2 | 327        | 1996 TE              | 1996 10 05.69961   | 00 45 08.71 | +01 17 20.0 |        | 327 |

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| 1996 TB <sub>1</sub> | 1996 09 18.73759   | 01 55 14.80 | +12 08 27.6 |        | 327 | 1996 TW <sub>1</sub> | 1996 10 05.69961   | 00 45 55.16 | +01 19 01.5 | 18.6 V | 327 |
| 1996 TB <sub>1</sub> | 1996 09 18.75074   | 01 55 14.39 | +12 08 24.9 |        | 327 | 1996 TX <sub>1</sub> | 1996 09 22.71692   | 00 54 59.51 | +03 55 56.0 | 18.1 V | 327 |
| 1996 TB <sub>1</sub> | 1996 09 18.76388   | 01 55 14.02 | +12 08 23.0 | 18.7 V | 327 | 1996 TX <sub>1</sub> | 1996 09 22.72185   | 00 54 59.33 | +03 55 53.5 |        | 327 |
| 1996 TR <sub>1</sub> | * 1996 10 03.67053 | 00 46 18.07 | +01 07 02.3 | 17.6 V | 327 | 1996 TX <sub>1</sub> | 1996 09 22.73110   | 00 54 58.98 | +03 55 47.2 |        | 327 |
| 1996 TR <sub>1</sub> | 1996 10 03.68420   | 00 46 17.41 | +01 06 56.8 |        | 327 | 1996 TX <sub>1</sub> | 1996 09 22.74479   | 00 54 58.45 | +03 55 38.1 |        | 327 |
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| 1996 TR <sub>1</sub> | 1996 10 05.67238   | 00 44 43.46 | +00 53 36.6 |        | 327 | 1996 TX <sub>1</sub> | 1996 10 03.68420   | 00 47 36.28 | +01 55 46.1 |        | 327 |
| 1996 TR <sub>1</sub> | 1996 10 05.68581   | 00 44 42.80 | +00 53 31.0 | 17.5 V | 327 | 1996 TX <sub>1</sub> | 1996 10 03.70030   | 00 47 35.54 | +01 55 35.4 | 17.7 V | 327 |
| 1996 TR <sub>1</sub> | 1996 10 05.69961   | 00 44 42.17 | +00 53 25.4 |        | 327 | 1996 TX <sub>1</sub> | 1996 10 05.67238   | 00 46 11.79 | +01 33 50.4 | 17.9 V | 327 |
| 1996 TR <sub>1</sub> | 1996 10 09.66451   | 00 41 35.60 | +00 27 21.2 |        | 327 | 1996 TX <sub>1</sub> | 1996 10 05.68581   | 00 46 11.18 | +01 33 41.7 |        | 327 |
| 1996 TR <sub>1</sub> | 1996 10 09.68104   | 00 41 34.83 | +00 27 15.4 |        | 327 | 1996 TX <sub>1</sub> | 1996 10 05.69961   | 00 46 10.55 | +01 33 32.2 |        | 327 |
| 1996 TR <sub>1</sub> | 1996 10 09.69538   | 00 41 34.09 | +00 27 09.8 | 17.3 V | 327 | 1996 TY <sub>1</sub> | * 1996 10 03.67053 | 00 47 38.80 | +01 16 27.4 | 20.3 V | 327 |
| 1996 TR <sub>1</sub> | 1996 10 14.63125   | 00 37 48.13 | -00 03 44.3 |        | 327 | 1996 TY <sub>1</sub> | 1996 10 03.68420   | 00 47 38.09 | +01 16 27.0 |        | 327 |
| 1996 TR <sub>1</sub> | 1996 10 14.64427   | 00 37 47.53 | -00 03 49.1 | 17.4 V | 327 | 1996 TY <sub>1</sub> | 1996 10 03.70030   | 00 47 37.28 | +01 16 23.8 |        | 327 |
| 1996 TR <sub>1</sub> | 1996 10 14.65730   | 00 37 46.95 | -00 03 53.7 |        | 327 | 1996 TY <sub>1</sub> | 1996 10 05.67238   | 00 45 57.04 | +01 12 34.0 | 18.0 V | 327 |
| 1996 TS <sub>1</sub> | * 1996 10 03.67053 | 00 46 18.16 | +01 42 31.7 |        | 327 | 1996 TY <sub>1</sub> | 1996 10 05.68581   | 00 45 56.36 | +01 12 32.0 |        | 327 |
| 1996 TS <sub>1</sub> | 1996 10 03.68420   | 00 46 17.35 | +01 42 26.0 | 19.5 V | 327 | 1996 TY <sub>1</sub> | 1996 10 05.69961   | 00 45 55.59 | +01 12 30.9 |        | 327 |
| 1996 TS <sub>1</sub> | 1996 10 03.70030   | 00 46 16.53 | +01 42 19.8 |        | 327 | 1996 TZ <sub>1</sub> | * 1996 10 03.67053 | 00 48 02.92 | +01 16 43.9 |        | 327 |
| 1996 TS <sub>1</sub> | 1996 10 05.67238   | 00 44 31.95 | +01 29 30.5 |        | 327 | 1996 TZ <sub>1</sub> | 1996 10 03.68420   | 00 48 01.53 | +01 16 48.5 | 18.3 V | 327 |
| 1996 TS <sub>1</sub> | 1996 10 05.68581   | 00 44 31.21 | +01 29 24.4 | 19.4 V | 327 | 1996 TZ <sub>1</sub> | 1996 10 03.70030   | 00 47 59.94 | +01 16 53.6 |        | 327 |
| 1996 TS <sub>1</sub> | 1996 10 05.69961   | 00 44 30.51 | +01 29 19.7 |        | 327 | 1996 TZ <sub>1</sub> | 1996 10 05.67238   | 00 44 46.28 | +01 27 37.7 | 18.4 V | 327 |
| 1996 TT <sub>1</sub> | * 1996 10 03.67053 | 00 46 31.61 | +01 48 37.3 |        | 327 | 1996 TZ <sub>1</sub> | 1996 10 05.68581   | 00 44 45.00 | +01 27 42.1 |        | 327 |
| 1996 TT <sub>1</sub> | 1996 10 03.68420   | 00 46 30.80 | +01 48 33.5 | 18.6 V | 327 | 1996 TZ <sub>1</sub> | 1996 10 05.69961   | 00 44 43.53 | +01 27 46.8 |        | 327 |
| 1996 TT <sub>1</sub> | 1996 10 03.70030   | 00 46 29.92 | +01 48 29.6 |        | 327 | 1996 TA <sub>2</sub> | * 1996 10 03.67053 | 00 48 24.87 | +01 34 55.7 |        | 327 |
| 1996 TT <sub>1</sub> | 1996 10 05.67238   | 00 44 40.17 | +01 40 32.0 |        | 327 | 1996 TA <sub>2</sub> | 1996 10 03.68420   | 00 48 24.19 | +01 34 51.3 |        | 327 |
| 1996 TT <sub>1</sub> | 1996 10 05.68581   | 00 44 39.36 | +01 40 28.7 |        | 327 | 1996 TA <sub>2</sub> | 1996 10 03.70030   | 00 48 23.47 | +01 34 47.5 | 18.5 V | 327 |
| 1996 TT <sub>1</sub> | 1996 10 05.69961   | 00 44 38.55 | +01 40 24.6 | 18.4 V | 327 | 1996 TA <sub>2</sub> | 1996 10 05.67238   | 00 46 51.24 | +01 25 33.5 | 19.1 V | 327 |
| 1996 TU <sub>1</sub> | * 1996 10 03.67053 | 00 47 05.10 | +01 13 47.2 |        | 327 | 1996 TA <sub>2</sub> | 1996 10 05.68581   | 00 46 50.57 | +01 25 29.9 |        | 327 |
| 1996 TU <sub>1</sub> | 1996 10 03.68420   | 00 47 04.54 | +01 13 43.3 | 18.5 V | 327 | 1996 TA <sub>2</sub> | 1996 10 05.69961   | 00 46 49.91 | +01 25 26.2 |        | 327 |
| 1996 TU <sub>1</sub> | 1996 10 03.70030   | 00 47 03.81 | +01 13 38.2 |        | 327 | 1996 TB <sub>2</sub> | * 1996 10 03.67053 | 00 48 43.45 | +01 55 41.4 |        | 327 |
| 1996 TU <sub>1</sub> | 1996 10 05.67238   | 00 45 37.44 | +01 04 16.5 |        | 327 | 1996 TB <sub>2</sub> | 1996 10 03.68420   | 00 48 42.80 | +01 55 36.1 | 18.8 V | 327 |
| 1996 TU <sub>1</sub> | 1996 10 05.68581   | 00 45 36.85 | +01 04 12.5 | 18.7 V | 327 | 1996 TB <sub>2</sub> | 1996 10 03.70030   | 00 48 41.95 | +01 55 30.4 |        | 327 |
| 1996 TU <sub>1</sub> | 1996 10 05.69961   | 00 45 36.21 | +01 04 08.8 |        | 327 | 1996 TB <sub>2</sub> | 1996 10 05.67238   | 00 47 05.33 | +01 42 25.8 |        | 327 |
| 1996 TV <sub>1</sub> | 1996 09 23.71396   | 00 56 11.68 | +02 34 33.7 |        | 327 | 1996 TB <sub>2</sub> | 1996 10 05.68581   | 00 47 04.60 | +01 42 20.9 | 18.7 V | 327 |
| 1996 TV <sub>1</sub> | 1996 09 23.72360   | 00 56 11.21 | +02 34 29.3 |        | 327 | 1996 TB <sub>2</sub> | 1996 10 05.69961   | 00 47 03.92 | +01 42 15.5 |        | 327 |
| 1996 TV <sub>1</sub> | 1996 09 23.73343   | 00 56 10.77 | +02 34 25.1 |        | 327 | 1996 TC <sub>2</sub> | * 1996 10 03.67053 | 00 48 52.04 | +01 49 55.4 |        | 327 |
| 1996 TV <sub>1</sub> | 1996 09 23.74559   | 00 56 10.08 | +02 34 19.8 | 18.1 V | 327 | 1996 TC <sub>2</sub> | 1996 10 03.68420   | 00 48 51.42 | +01 49 47.4 |        | 327 |
| 1996 TV <sub>1</sub> | * 1996 10 03.67053 | 00 47 14.50 | +01 20 05.9 |        | 327 | 1996 TC <sub>2</sub> | 1996 10 03.70030   | 00 48 50.69 | +01 49 37.0 | 18.9 V | 327 |
| 1996 TV <sub>1</sub> | 1996 10 03.68420   | 00 47 13.74 | +01 19 59.7 | 18.1 V | 327 | 1996 TC <sub>2</sub> | 1996 10 05.67238   | 00 47 22.47 | +01 29 30.9 |        | 327 |
| 1996 TV <sub>1</sub> | 1996 10 03.70030   | 00 47 12.81 | +01 19 52.3 |        | 327 | 1996 TC <sub>2</sub> | 1996 10 05.68581   | 00 47 21.84 | +01 29 22.9 |        | 327 |
| 1996 TV <sub>1</sub> | 1996 10 05.67238   | 00 45 23.76 | +01 05 18.7 |        | 327 | 1996 TC <sub>2</sub> | 1996 10 05.69961   | 00 47 21.13 | +01 29 14.2 | 19.1 V | 327 |
| 1996 TV <sub>1</sub> | 1996 10 05.68581   | 00 45 22.99 | +01 05 12.8 |        | 327 | 1996 TD <sub>2</sub> | * 1996 10 03.67053 | 00 49 00.15 | +01 42 27.4 |        | 327 |
| 1996 TV <sub>1</sub> | 1996 10 05.69961   | 00 45 22.20 | +01 05 06.7 | 18.2 V | 327 | 1996 TD <sub>2</sub> | 1996 10 03.68420   | 00 48 59.28 | +01 42 25.1 | 17.9 V | 327 |
| 1996 TW <sub>1</sub> | 1996 09 23.71396   | 00 54 59.21 | +02 28 50.0 |        | 327 | 1996 TD <sub>2</sub> | 1996 10 03.70030   | 00 48 58.22 | +01 42 21.7 |        | 327 |
| 1996 TW <sub>1</sub> | 1996 09 23.72360   | 00 54 58.67 | +02 28 46.3 |        | 327 | 1996 TD <sub>2</sub> | 1996 10 05.67238   | 00 46 56.14 | +01 36 14.2 |        | 327 |
| 1996 TW <sub>1</sub> | 1996 09 23.73343   | 00 54 58.30 | +02 28 43.4 | 17.8 V | 327 | 1996 TD <sub>2</sub> | 1996 10 05.68581   | 00 46 55.24 | +01 36 12.0 | 17.8 V | 327 |
| 1996 TW <sub>1</sub> | 1996 09 23.74559   | 00 54 57.75 | +02 28 38.7 |        | 327 | 1996 TD <sub>2</sub> | 1996 10 05.69961   | 00 46 54.35 | +01 36 09.4 |        | 327 |
| 1996 TW <sub>1</sub> | * 1996 10 03.67053 | 00 47 30.37 | +01 30 34.3 | 18.4 V | 327 | 1996 TE <sub>2</sub> | * 1996 10 03.67053 | 00 49 13.28 | +01 41 33.0 |        | 327 |
| 1996 TW <sub>1</sub> | 1996 10 03.68420   | 00 47 29.70 | +01 30 29.4 |        | 327 | 1996 TE <sub>2</sub> | 1996 10 03.68420   | 00 49 12.38 | +01 41 31.8 | 19.5 V | 327 |
| 1996 TW <sub>1</sub> | 1996 10 03.70030   | 00 47 28.86 | +01 30 24.0 |        | 327 | 1996 TE <sub>2</sub> | 1996 10 03.70030   | 00 49 11.39 | +01 41 30.7 |        | 327 |
| 1996 TW <sub>1</sub> | 1996 10 05.67238   | 00 45 56.49 | +01 19 10.1 |        | 327 | 1996 TE <sub>2</sub> | 1996 10 05.67238   | 00 47 09.68 | +01 38 37.7 |        | 327 |
| 1996 TW <sub>1</sub> | 1996 10 05.68581   | 00 45 55.84 | +01 19 05.9 |        | 327 | 1996 TE <sub>2</sub> | 1996 10 05.68581   | 00 47 08.75 | +01 38 35.8 | 19.2 V | 327 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TE <sub>2</sub> | 1996 10 05.69961   | 00 47 07.92 | +01 38 34.5 |        | 327 | 1996 TO <sub>2</sub> | 1996 10 05.67676   | 00 42 10.82 | −00 05 16.1 |        | 327 |
| 1996 TF <sub>2</sub> | * 1996 10 03.67551 | 00 42 50.86 | +00 14 22.5 |        | 327 | 1996 TO <sub>2</sub> | 1996 10 05.69020   | 00 42 10.00 | −00 05 19.7 | 18.7 V | 327 |
| 1996 TF <sub>2</sub> | 1996 10 03.68856   | 00 42 50.21 | +00 14 20.8 | 16.9 V | 327 | 1996 TO <sub>2</sub> | 1996 10 05.70414   | 00 42 09.13 | −00 05 23.8 |        | 327 |
| 1996 TF <sub>2</sub> | 1996 10 03.70466   | 00 42 49.39 | +00 14 17.9 |        | 327 | 1996 TP <sub>2</sub> | * 1996 10 03.67551 | 00 44 24.38 | +00 25 45.4 | 19.6 V | 327 |
| 1996 TF <sub>2</sub> | 1996 10 05.67676   | 00 41 13.11 | +00 09 28.2 |        | 327 | 1996 TP <sub>2</sub> | 1996 10 03.68856   | 00 44 23.70 | +00 25 41.0 |        | 327 |
| 1996 TF <sub>2</sub> | 1996 10 05.69020   | 00 41 12.47 | +00 09 26.7 |        | 327 | 1996 TP <sub>2</sub> | 1996 10 03.70466   | 00 44 22.87 | +00 25 35.3 |        | 327 |
| 1996 TF <sub>2</sub> | 1996 10 05.70414   | 00 41 11.78 | +00 09 24.4 | 16.9 V | 327 | 1996 TP <sub>2</sub> | 1996 10 05.67676   | 00 42 41.49 | +00 15 06.2 |        | 327 |
| 1996 TG <sub>2</sub> | * 1996 10 03.67551 | 00 43 10.50 | +00 20 27.1 |        | 327 | 1996 TP <sub>2</sub> | 1996 10 05.69020   | 00 42 40.70 | +00 15 00.7 | 18.6 V | 327 |
| 1996 TG <sub>2</sub> | 1996 10 03.68856   | 00 43 09.70 | +00 20 23.3 |        | 327 | 1996 TP <sub>2</sub> | 1996 10 05.70414   | 00 42 39.92 | +00 14 57.2 |        | 327 |
| 1996 TG <sub>2</sub> | 1996 10 03.70466   | 00 43 08.69 | +00 20 17.7 | 20.0 V | 327 | 1996 TQ <sub>2</sub> | * 1996 10 03.67551 | 00 44 33.92 | +00 10 19.4 | 19.5 V | 327 |
| 1996 TG <sub>2</sub> | 1996 10 05.67676   | 00 41 08.51 | +00 10 52.4 |        | 327 | 1996 TQ <sub>2</sub> | 1996 10 03.68856   | 00 44 33.35 | +00 10 15.0 |        | 327 |
| 1996 TG <sub>2</sub> | 1996 10 05.69020   | 00 41 07.63 | +00 10 47.4 |        | 327 | 1996 TQ <sub>2</sub> | 1996 10 03.70466   | 00 44 32.63 | +00 10 10.0 |        | 327 |
| 1996 TG <sub>2</sub> | 1996 10 05.70414   | 00 41 06.91 | +00 10 43.5 | 19.1 V | 327 | 1996 TQ <sub>2</sub> | 1996 10 05.67676   | 00 43 08.42 | −00 00 26.0 | 19.3 V | 327 |
| 1996 TH <sub>2</sub> | * 1996 10 03.67551 | 00 43 18.55 | +00 35 13.7 |        | 327 | 1996 TQ <sub>2</sub> | 1996 10 05.69020   | 00 43 07.79 | −00 00 31.3 |        | 327 |
| 1996 TH <sub>2</sub> | 1996 10 03.68856   | 00 43 17.90 | +00 35 08.4 |        | 327 | 1996 TQ <sub>2</sub> | 1996 10 05.70414   | 00 43 07.20 | −00 00 35.7 |        | 327 |
| 1996 TH <sub>2</sub> | 1996 10 03.70466   | 00 43 17.07 | +00 35 00.7 | 18.7 V | 327 | 1996 TR <sub>2</sub> | * 1996 10 03.67985 | 00 41 27.28 | +04 14 59.6 |        | 327 |
| 1996 TH <sub>2</sub> | 1996 10 05.67676   | 00 41 40.04 | +00 20 21.9 |        | 327 | 1996 TR <sub>2</sub> | 1996 10 03.69593   | 00 41 26.43 | +04 14 54.0 | 18.7 V | 327 |
| 1996 TH <sub>2</sub> | 1996 10 05.69020   | 00 41 39.38 | +00 20 16.5 | 18.5 V | 327 | 1996 TR <sub>2</sub> | 1996 10 03.70900   | 00 41 25.79 | +04 14 50.4 |        | 327 |
| 1996 TH <sub>2</sub> | 1996 10 05.70414   | 00 41 38.69 | +00 20 09.7 |        | 327 | 1996 TR <sub>2</sub> | 1996 10 05.68113   | 00 39 49.47 | +04 05 21.0 |        | 327 |
| 1996 TJ <sub>2</sub> | * 1996 10 03.67551 | 00 43 25.36 | +00 38 19.3 |        | 327 | 1996 TR <sub>2</sub> | 1996 10 05.69458   | 00 39 48.78 | +04 05 17.5 |        | 327 |
| 1996 TJ <sub>2</sub> | 1996 10 03.68856   | 00 43 24.67 | +00 38 13.9 |        | 327 | 1996 TR <sub>2</sub> | 1996 10 05.70858   | 00 39 48.11 | +04 05 12.9 | 19.0 V | 327 |
| 1996 TJ <sub>2</sub> | 1996 10 03.70466   | 00 43 23.79 | +00 38 07.2 | 18.2 V | 327 | 1996 TS <sub>2</sub> | * 1996 10 03.67985 | 00 42 18.00 | +04 04 26.2 |        | 327 |
| 1996 TJ <sub>2</sub> | 1996 10 05.67676   | 00 41 44.33 | +00 25 36.7 |        | 327 | 1996 TS <sub>2</sub> | 1996 10 03.69593   | 00 42 17.22 | +04 04 21.3 | 20.0 V | 327 |
| 1996 TJ <sub>2</sub> | 1996 10 05.69020   | 00 41 43.62 | +00 25 31.4 | 18.1 V | 327 | 1996 TS <sub>2</sub> | 1996 10 03.70900   | 00 42 16.65 | +04 04 17.8 |        | 327 |
| 1996 TJ <sub>2</sub> | 1996 10 05.70414   | 00 41 42.87 | +00 25 26.5 |        | 327 | 1996 TS <sub>2</sub> | 1996 10 05.68113   | 00 40 48.48 | +03 55 18.9 |        | 327 |
| 1996 TK <sub>2</sub> | * 1996 10 03.67551 | 00 43 32.22 | +00 52 38.2 |        | 327 | 1996 TS <sub>2</sub> | 1996 10 05.69458   | 00 40 47.87 | +03 55 15.9 |        | 327 |
| 1996 TK <sub>2</sub> | 1996 10 03.68856   | 00 43 31.54 | +00 52 36.5 |        | 327 | 1996 TS <sub>2</sub> | 1996 10 05.70858   | 00 40 47.30 | +03 55 12.2 | 19.6 V | 327 |
| 1996 TK <sub>2</sub> | 1996 10 03.70466   | 00 43 30.70 | +00 52 33.7 | 19.3 V | 327 | 1996 TT <sub>2</sub> | * 1996 10 03.67985 | 00 42 18.31 | +03 43 52.4 | 17.8 V | 327 |
| 1996 TK <sub>2</sub> | 1996 10 05.67676   | 00 41 52.42 | +00 47 25.0 |        | 327 | 1996 TT <sub>2</sub> | 1996 10 03.69593   | 00 42 17.38 | +03 43 50.7 |        | 327 |
| 1996 TK <sub>2</sub> | 1996 10 05.69020   | 00 41 51.66 | +00 47 23.9 |        | 327 | 1996 TT <sub>2</sub> | 1996 10 03.70900   | 00 42 16.61 | +03 43 49.0 |        | 327 |
| 1996 TK <sub>2</sub> | 1996 10 05.70414   | 00 41 51.04 | +00 47 20.8 | 19.1 V | 327 | 1996 TT <sub>2</sub> | 1996 10 05.68113   | 00 40 23.94 | +03 39 27.6 | 18.0 V | 327 |
| 1996 TL <sub>2</sub> | * 1996 10 03.67551 | 00 43 32.43 | +00 38 13.9 |        | 327 | 1996 TT <sub>2</sub> | 1996 10 05.69458   | 00 40 23.17 | +03 39 25.6 |        | 327 |
| 1996 TL <sub>2</sub> | 1996 10 03.68856   | 00 43 31.59 | +00 38 09.3 | 19.6 V | 327 | 1996 TT <sub>2</sub> | 1996 10 05.70858   | 00 40 22.37 | +03 39 23.6 |        | 327 |
| 1996 TL <sub>2</sub> | 1996 10 03.70466   | 00 43 30.59 | +00 38 04.7 |        | 327 | 1996 TU <sub>2</sub> | * 1996 10 03.67985 | 00 42 27.58 | +03 56 00.2 |        | 327 |
| 1996 TL <sub>2</sub> | 1996 10 05.67676   | 00 41 32.75 | +00 28 08.1 |        | 327 | 1996 TU <sub>2</sub> | 1996 10 03.69593   | 00 42 26.61 | +03 55 54.5 | 19.2 V | 327 |
| 1996 TL <sub>2</sub> | 1996 10 05.69020   | 00 41 31.96 | +00 28 04.1 |        | 327 | 1996 TU <sub>2</sub> | 1996 10 03.70900   | 00 42 25.92 | +03 55 49.0 |        | 327 |
| 1996 TL <sub>2</sub> | 1996 10 05.70414   | 00 41 31.10 | +00 27 59.7 | 19.1 V | 327 | 1996 TU <sub>2</sub> | 1996 10 05.68113   | 00 40 37.60 | +03 42 18.7 | 19.0 V | 327 |
| 1996 TM <sub>2</sub> | * 1996 10 03.67551 | 00 43 39.03 | +00 27 33.5 | 17.9 V | 327 | 1996 TU <sub>2</sub> | 1996 10 05.69458   | 00 40 36.87 | +03 42 13.4 |        | 327 |
| 1996 TM <sub>2</sub> | 1996 10 03.68856   | 00 43 38.19 | +00 27 30.6 |        | 327 | 1996 TU <sub>2</sub> | 1996 10 05.70858   | 00 40 36.03 | +03 42 07.2 |        | 327 |
| 1996 TM <sub>2</sub> | 1996 10 03.70466   | 00 43 37.16 | +00 27 26.6 |        | 327 | 1996 TV <sub>2</sub> | * 1996 10 03.67985 | 00 42 44.45 | +04 36 43.5 |        | 327 |
| 1996 TM <sub>2</sub> | 1996 10 05.67676   | 00 41 34.47 | +00 19 54.3 | 17.9 V | 327 | 1996 TV <sub>2</sub> | 1996 10 03.69593   | 00 42 43.54 | +04 36 38.7 |        | 327 |
| 1996 TM <sub>2</sub> | 1996 10 05.69020   | 00 41 33.57 | +00 19 50.9 |        | 327 | 1996 TV <sub>2</sub> | 1996 10 03.70900   | 00 42 42.76 | +04 36 34.6 | 17.6 V | 327 |
| 1996 TM <sub>2</sub> | 1996 10 05.70414   | 00 41 32.71 | +00 19 47.8 |        | 327 | 1996 TV <sub>2</sub> | 1996 10 05.68113   | 00 40 53.09 | +04 26 54.0 | 17.5 V | 327 |
| 1996 TN <sub>2</sub> | * 1996 10 03.67551 | 00 43 49.39 | +00 36 05.1 |        | 327 | 1996 TV <sub>2</sub> | 1996 10 05.69458   | 00 40 52.27 | +04 26 49.7 |        | 327 |
| 1996 TN <sub>2</sub> | 1996 10 03.68856   | 00 43 48.47 | +00 36 02.1 |        | 327 | 1996 TV <sub>2</sub> | 1996 10 05.70858   | 00 40 51.45 | +04 26 45.4 |        | 327 |
| 1996 TN <sub>2</sub> | 1996 10 03.70466   | 00 43 47.51 | +00 35 58.4 | 20.0 V | 327 | 1996 TW <sub>2</sub> | * 1996 10 03.67985 | 00 42 45.05 | +04 23 01.1 | 19.3 V | 327 |
| 1996 TN <sub>2</sub> | 1996 10 05.67676   | 00 41 42.47 | +00 29 38.8 |        | 327 | 1996 TW <sub>2</sub> | 1996 10 03.69593   | 00 42 44.20 | +04 22 56.7 |        | 327 |
| 1996 TN <sub>2</sub> | 1996 10 05.69020   | 00 41 41.57 | +00 29 37.1 | 19.8 V | 327 | 1996 TW <sub>2</sub> | 1996 10 03.70900   | 00 42 43.52 | +04 22 52.9 |        | 327 |
| 1996 TN <sub>2</sub> | 1996 10 05.70414   | 00 41 40.65 | +00 29 34.0 |        | 327 | 1996 TW <sub>2</sub> | 1996 10 05.68113   | 00 41 02.26 | +04 14 26.5 |        | 327 |
| 1996 TO <sub>2</sub> | * 1996 10 03.67551 | 00 44 08.58 | +00 03 52.6 |        | 327 | 1996 TW <sub>2</sub> | 1996 10 05.69458   | 00 41 01.53 | +04 14 21.9 | 19.6 V | 327 |
| 1996 TO <sub>2</sub> | 1996 10 03.68856   | 00 44 07.82 | +00 03 50.0 |        | 327 | 1996 TW <sub>2</sub> | 1996 10 05.70858   | 00 41 00.85 | +04 14 19.5 |        | 327 |
| 1996 TO <sub>2</sub> | 1996 10 03.70466   | 00 44 06.79 | +00 03 45.8 | 18.2 V | 327 | 1996 TX <sub>2</sub> | * 1996 10 03.67985 | 00 43 12.63 | +03 54 01.3 | 19.6 V | 327 |

|                      |                    |             |             |            |                      |                    |             |             |            |
|----------------------|--------------------|-------------|-------------|------------|----------------------|--------------------|-------------|-------------|------------|
| 1996 TX <sub>2</sub> | 1996 10 03.69593   | 00 43 11.60 | +03 54 01.0 | 327        | 1996 TF <sub>3</sub> | 1996 10 05.70858   | 00 43 00.78 | +04 15 16.2 | 327        |
| 1996 TX <sub>2</sub> | 1996 10 03.70900   | 00 43 10.73 | +03 54 00.6 | 327        | 1996 TG <sub>3</sub> | * 1996 10 03.67985 | 00 44 56.75 | +04 33 20.0 | 327        |
| 1996 TX <sub>2</sub> | 1996 10 05.68113   | 00 41 10.15 | +03 52 19.9 | 327        | 1996 TG <sub>3</sub> | 1996 10 03.69593   | 00 44 55.85 | +04 33 08.4 | 19.1 V 327 |
| 1996 TX <sub>2</sub> | 1996 10 05.69458   | 00 41 09.27 | +03 52 19.3 | 327        | 1996 TG <sub>3</sub> | 1996 10 03.70900   | 00 44 55.17 | +04 32 59.8 | 327        |
| 1996 TX <sub>2</sub> | 1996 10 05.70858   | 00 41 08.33 | +03 52 19.6 | 19.7 V 327 | 1996 TG <sub>3</sub> | 1996 10 05.68113   | 00 43 19.15 | +04 11 09.5 | 327        |
| 1996 TY <sub>2</sub> | * 1996 10 03.67985 | 00 43 27.59 | +04 11 50.9 | 327        | 1996 TG <sub>3</sub> | 1996 10 05.69458   | 00 43 18.45 | +04 11 00.6 | 327        |
| 1996 TY <sub>2</sub> | 1996 10 03.69593   | 00 43 26.87 | +04 11 45.8 | 18.7 V 327 | 1996 TG <sub>3</sub> | 1996 10 05.70858   | 00 43 17.67 | +04 10 50.7 | 19.3 V 327 |
| 1996 TY <sub>2</sub> | 1996 10 03.70900   | 00 43 26.29 | +04 11 42.0 | 327        | 1996 TH <sub>3</sub> | * 1996 10 03.67985 | 00 45 03.85 | +04 25 03.4 | 327        |
| 1996 TY <sub>2</sub> | 1996 10 05.68113   | 00 42 00.77 | +04 01 31.4 | 327        | 1996 TH <sub>3</sub> | 1996 10 03.69593   | 00 45 03.07 | +04 24 59.2 | 17.6 V 327 |
| 1996 TY <sub>2</sub> | 1996 10 05.69458   | 00 42 00.14 | +04 01 27.1 | 327        | 1996 TH <sub>3</sub> | 1996 10 03.70900   | 00 45 02.39 | +04 24 55.6 | 327        |
| 1996 TY <sub>2</sub> | 1996 10 05.70858   | 00 41 59.56 | +04 01 22.8 | 18.8 V 327 | 1996 TH <sub>3</sub> | 1996 10 05.68113   | 00 43 26.55 | +04 16 14.6 | 327        |
| 1996 TZ <sub>2</sub> | * 1996 10 03.67985 | 00 43 39.13 | +03 59 47.4 | 19.2 V 327 | 1996 TH <sub>3</sub> | 1996 10 05.69458   | 00 43 25.93 | +04 16 10.6 | 17.6 V 327 |
| 1996 TZ <sub>2</sub> | 1996 10 03.69593   | 00 43 38.22 | +03 59 46.3 | 327        | 1996 TH <sub>3</sub> | 1996 10 05.70858   | 00 43 25.21 | +04 16 07.5 | 327        |
| 1996 TZ <sub>2</sub> | 1996 10 03.70900   | 00 43 37.55 | +03 59 46.1 | 327        | 1996 TU <sub>5</sub> | * 1996 10 03.84500 | 02 54 54.27 | +16 02 44.3 | 327        |
| 1996 TZ <sub>2</sub> | 1996 10 05.68113   | 00 41 49.61 | +03 57 21.1 | 327        | 1996 TU <sub>5</sub> | 1996 10 03.85442   | 02 54 54.04 | +16 02 43.4 | 19.3 V 327 |
| 1996 TZ <sub>2</sub> | 1996 10 05.69458   | 00 41 48.87 | +03 57 19.7 | 327        | 1996 TU <sub>5</sub> | 1996 10 03.86309   | 02 54 53.77 | +16 02 41.5 | 327        |
| 1996 TZ <sub>2</sub> | 1996 10 05.70858   | 00 41 48.09 | +03 57 19.6 | 19.2 V 327 | 1996 TU <sub>5</sub> | 1996 10 05.75624   | 02 54 10.21 | +15 57 12.5 | 19.3 V 327 |
| 1996 TA <sub>3</sub> | * 1996 10 03.67985 | 00 43 42.94 | +04 01 49.3 | 327        | 1996 TU <sub>5</sub> | 1996 10 05.76991   | 02 54 09.80 | +15 57 10.7 | 327        |
| 1996 TA <sub>3</sub> | 1996 10 03.69593   | 00 43 42.03 | +04 01 44.0 | 19.3 V 327 | 1996 TU <sub>5</sub> | 1996 10 05.78326   | 02 54 09.45 | +15 57 07.4 | 327        |
| 1996 TA <sub>3</sub> | 1996 10 03.70900   | 00 43 41.26 | +04 01 41.8 | 327        | 1996 TV <sub>5</sub> | * 1996 10 03.84500 | 02 56 43.03 | +16 17 46.7 | 18.5 V 327 |
| 1996 TA <sub>3</sub> | 1996 10 05.68113   | 00 41 47.82 | +03 52 41.6 | 327        | 1996 TV <sub>5</sub> | 1996 10 03.85442   | 02 56 42.74 | +16 17 45.6 | 327        |
| 1996 TA <sub>3</sub> | 1996 10 05.69458   | 00 41 46.92 | +03 52 37.0 | 19.8 V 327 | 1996 TV <sub>5</sub> | 1996 10 03.86309   | 02 56 42.51 | +16 17 44.7 | 327        |
| 1996 TA <sub>3</sub> | 1996 10 05.70858   | 00 41 46.08 | +03 52 33.5 | 327        | 1996 TV <sub>5</sub> | 1996 10 05.75624   | 02 55 49.96 | +16 14 15.6 | 18.7 V 327 |
| 1996 TB <sub>3</sub> | * 1996 10 03.67985 | 00 43 43.73 | +03 56 13.7 | 327        | 1996 TV <sub>5</sub> | 1996 10 05.76991   | 02 55 49.51 | +16 14 13.8 | 327        |
| 1996 TB <sub>3</sub> | 1996 10 03.69593   | 00 43 42.95 | +03 56 09.7 | 20.3 V 327 | 1996 TV <sub>5</sub> | 1996 10 05.78326   | 02 55 49.15 | +16 14 11.8 | 327        |
| 1996 TB <sub>3</sub> | 1996 10 03.70900   | 00 43 42.27 | +03 56 05.2 | 327        | 1996 TX <sub>5</sub> | * 1996 10 03.84500 | 02 57 42.53 | +16 12 13.3 | 327        |
| 1996 TB <sub>3</sub> | 1996 10 05.68113   | 00 42 06.04 | +03 45 52.2 | 327        | 1996 TX <sub>5</sub> | 1996 10 03.85442   | 02 57 42.27 | +16 12 13.4 | 327        |
| 1996 TB <sub>3</sub> | 1996 10 05.69458   | 00 42 05.24 | +03 45 48.3 | 327        | 1996 TX <sub>5</sub> | 1996 10 03.86309   | 02 57 41.99 | +16 12 12.4 | 17.9 V 327 |
| 1996 TB <sub>3</sub> | 1996 10 05.70858   | 00 42 04.63 | +03 45 43.5 | 19.5 V 327 | 1996 TX <sub>5</sub> | 1996 10 05.75624   | 02 56 47.05 | +16 11 01.9 | 327        |
| 1996 TC <sub>3</sub> | * 1996 10 03.67985 | 00 44 06.15 | +04 12 53.9 | 327        | 1996 TX <sub>5</sub> | 1996 10 05.76991   | 02 56 46.62 | +16 11 01.3 | 17.8 V 327 |
| 1996 TC <sub>3</sub> | 1996 10 03.69593   | 00 44 05.14 | +04 12 49.5 | 327        | 1996 TX <sub>5</sub> | 1996 10 05.78326   | 02 56 46.18 | +16 11 00.7 | 327        |
| 1996 TC <sub>3</sub> | 1996 10 03.70900   | 00 44 04.33 | +04 12 46.2 | 19.4 V 327 | 1996 TZ <sub>5</sub> | * 1996 10 03.85000 | 02 56 41.21 | +15 31 44.9 | 327        |
| 1996 TC <sub>3</sub> | 1996 10 05.68113   | 00 42 07.42 | +04 02 30.1 | 19.1 V 327 | 1996 TZ <sub>5</sub> | 1996 10 03.85876   | 02 56 40.94 | +15 31 43.1 | 327        |
| 1996 TC <sub>3</sub> | 1996 10 05.69458   | 00 42 06.65 | +04 02 25.7 | 327        | 1996 TZ <sub>5</sub> | 1996 10 03.86742   | 02 56 40.66 | +15 31 41.8 | 17.6 V 327 |
| 1996 TC <sub>3</sub> | 1996 10 05.70858   | 00 42 05.77 | +04 02 21.5 | 327        | 1996 TZ <sub>5</sub> | 1996 10 05.76103   | 02 55 44.75 | +15 26 11.5 | 18.7 V 327 |
| 1996 TD <sub>3</sub> | * 1996 10 03.67985 | 00 44 06.48 | +04 08 29.7 | 19.1 V 327 | 1996 TZ <sub>5</sub> | 1996 10 05.77450   | 02 55 44.32 | +15 26 08.6 | 327        |
| 1996 TD <sub>3</sub> | 1996 10 03.69593   | 00 44 05.60 | +04 08 19.8 | 327        | 1996 TZ <sub>5</sub> | 1996 10 05.78767   | 02 55 43.89 | +15 26 06.1 | 327        |
| 1996 TD <sub>3</sub> | 1996 10 03.70900   | 00 44 04.90 | +04 08 12.2 | 327        | 1996 TA <sub>6</sub> | 1996 09 21.79222   | 02 59 23.65 | +14 47 48.4 | 20.3 V 327 |
| 1996 TD <sub>3</sub> | 1996 10 05.68113   | 00 42 25.89 | +03 48 20.0 | 327        | 1996 TA <sub>6</sub> | 1996 09 21.80558   | 02 59 23.65 | +14 47 52.7 | 327        |
| 1996 TD <sub>3</sub> | 1996 10 05.69458   | 00 42 25.25 | +03 48 12.0 | 18.7 V 327 | 1996 TA <sub>6</sub> | 1996 09 21.82090   | 02 59 23.62 | +14 47 58.0 | 327        |
| 1996 TD <sub>3</sub> | 1996 10 05.70858   | 00 42 24.52 | +03 48 03.9 | 327        | 1996 TA <sub>6</sub> | 1996 10 03.84500   | 02 56 52.08 | +15 47 22.9 | 327        |
| 1996 TE <sub>3</sub> | * 1996 10 03.67985 | 00 44 13.35 | +04 09 39.8 | 327        | 1996 TA <sub>6</sub> | * 1996 10 03.85000 | 02 56 51.95 | +15 47 22.7 | 19.4 V 327 |
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| 1996 TE <sub>3</sub> | 1996 10 03.70900   | 00 44 11.92 | +04 09 27.3 | 18.8 V 327 | 1996 TA <sub>6</sub> | 1996 10 03.85876   | 02 56 51.66 | +15 47 25.3 | 327        |
| 1996 TE <sub>3</sub> | 1996 10 05.68113   | 00 42 40.34 | +03 56 01.8 | 327        | 1996 TA <sub>6</sub> | 1996 10 03.86309   | 02 56 51.57 | +15 47 27.2 | 19.1 V 327 |
| 1996 TE <sub>3</sub> | 1996 10 05.69458   | 00 42 39.72 | +03 55 56.6 | 18.7 V 327 | 1996 TA <sub>6</sub> | 1996 10 03.86742   | 02 56 51.40 | +15 47 27.6 | 327        |
| 1996 TE <sub>3</sub> | 1996 10 05.70858   | 00 42 39.10 | +03 55 50.3 | 327        | 1996 TA <sub>6</sub> | 1996 10 05.75624   | 02 55 54.95 | +15 55 25.9 | 327        |
| 1996 TF <sub>3</sub> | * 1996 10 03.67985 | 00 44 44.46 | +04 27 28.1 | 327        | 1996 TA <sub>6</sub> | 1996 10 05.76103   | 02 55 54.77 | +15 55 27.7 | 327        |
| 1996 TF <sub>3</sub> | 1996 10 03.69593   | 00 44 43.57 | +04 27 21.9 | 19.5 V 327 | 1996 TA <sub>6</sub> | 1996 10 05.76991   | 02 55 54.50 | +15 55 29.2 | 19.3 V 327 |
| 1996 TF <sub>3</sub> | 1996 10 03.70900   | 00 44 42.90 | +04 27 17.8 | 327        | 1996 TA <sub>6</sub> | 1996 10 05.77450   | 02 55 54.31 | +15 55 31.1 | 19.2 V 327 |
| 1996 TF <sub>3</sub> | 1996 10 05.68113   | 00 43 02.25 | +04 15 26.8 | 327        | 1996 TA <sub>6</sub> | 1996 10 05.78326   | 02 55 54.01 | +15 55 32.4 | 327        |
| 1996 TF <sub>3</sub> | 1996 10 05.69458   | 00 43 01.56 | +04 15 21.6 | 19.4 V 327 | 1996 TA <sub>6</sub> | 1996 10 05.78767   | 02 55 53.82 | +15 55 34.4 | 327        |

|                      |                    |             |             |        |     |                       |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TB <sub>6</sub> | 1996 09 23.75579   | 03 01 00.22 | +14 10 02.2 |        | 327 | 1996 TJ <sub>6</sub>  | * 1996 10 05.80550 | 04 19 06.85 | +24 31 00.4 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 09 23.77175   | 03 01 00.10 | +14 10 10.5 |        | 327 | 1996 TJ <sub>6</sub>  | 1996 10 05.81869   | 04 19 06.70 | +24 30 58.7 | 19.4 V | 327 |
| 1996 TB <sub>6</sub> | 1996 09 23.78634   | 03 01 00.05 | +14 10 18.2 | 16.8 V | 327 | 1996 TJ <sub>6</sub>  | 1996 10 05.83234   | 04 19 06.54 | +24 30 57.1 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 09 23.80215   | 03 00 59.96 | +14 10 26.7 |        | 327 | 1996 TJ <sub>6</sub>  | 1996 10 07.78981   | 04 18 42.78 | +24 26 51.9 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 03.84500   | 02 58 33.40 | +15 38 13.9 | 15.8 V | 327 | 1996 TJ <sub>6</sub>  | 1996 10 07.80502   | 04 18 42.55 | +24 26 50.9 | 18.9 V | 327 |
| 1996 TB <sub>6</sub> | * 1996 10 03.85000 | 02 58 33.23 | +15 38 17.0 | 16.0 V | 327 | 1996 TJ <sub>6</sub>  | 1996 10 07.81854   | 04 18 42.35 | +24 26 49.1 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 03.85442   | 02 58 33.10 | +15 38 19.5 |        | 327 | 1996 TK <sub>6</sub>  | * 1996 10 07.46479 | 21 53 27.77 | -12 28 16.9 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 03.85876   | 02 58 32.96 | +15 38 21.4 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 07.47469   | 21 53 27.76 | -12 28 19.2 | 18.5 V | 327 |
| 1996 TB <sub>6</sub> | 1996 10 03.86309   | 02 58 32.87 | +15 38 23.6 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 07.48338   | 21 53 27.76 | -12 28 22.0 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 03.86742   | 02 58 32.73 | +15 38 25.5 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 09.56731   | 21 53 30.37 | -12 36 41.5 | 19.2 V | 327 |
| 1996 TB <sub>6</sub> | 1996 10 05.75624   | 02 57 38.47 | +15 54 28.6 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 09.58348   | 21 53 30.42 | -12 36 44.9 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 05.76103   | 02 57 38.34 | +15 54 30.9 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 09.59787   | 21 53 30.43 | -12 36 48.6 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 05.76991   | 02 57 38.00 | +15 54 35.5 | 15.8 V | 327 | 1996 TK <sub>6</sub>  | 1996 10 18.48377   | 21 54 52.47 | -13 04 06.6 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 05.77450   | 02 57 37.84 | +15 54 38.0 | 16.0 V | 327 | 1996 TK <sub>6</sub>  | 1996 10 18.49244   | 21 54 52.55 | -13 04 07.5 | 19.0 V | 327 |
| 1996 TB <sub>6</sub> | 1996 10 05.78326   | 02 57 37.55 | +15 54 42.5 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 18.50111   | 21 54 52.66 | -13 04 09.0 |        | 327 |
| 1996 TB <sub>6</sub> | 1996 10 05.78767   | 02 57 37.41 | +15 54 44.8 |        | 327 | 1996 TK <sub>6</sub>  | 1996 10 18.50983   | 21 54 52.81 | -13 04 09.6 |        | 327 |
| 1996 TC <sub>6</sub> | * 1996 10 03.85000 | 02 58 59.73 | +15 21 07.7 |        | 327 | 1996 TL <sub>6</sub>  | * 1996 10 07.56409 | 21 54 57.09 | -15 26 33.8 |        | 327 |
| 1996 TC <sub>6</sub> | 1996 10 03.85876   | 02 58 59.48 | +15 21 04.8 | 18.9 V | 327 | 1996 TL <sub>6</sub>  | 1996 10 07.57865   | 21 54 57.22 | -15 26 37.7 |        | 327 |
| 1996 TC <sub>6</sub> | 1996 10 03.86742   | 02 58 59.25 | +15 21 01.4 |        | 327 | 1996 TL <sub>6</sub>  | 1996 10 07.59179   | 21 54 57.39 | -15 26 40.9 | 19.2 V | 327 |
| 1996 TC <sub>6</sub> | 1996 10 05.76103   | 02 57 58.87 | +15 10 02.7 | 19.3 V | 327 | 1996 TL <sub>6</sub>  | 1996 10 09.57259   | 21 55 22.03 | -15 35 03.0 |        | 327 |
| 1996 TC <sub>6</sub> | 1996 10 05.77450   | 02 57 58.37 | +15 09 58.6 |        | 327 | 1996 TL <sub>6</sub>  | 1996 10 09.58863   | 21 55 22.21 | -15 35 06.4 | 19.2 V | 327 |
| 1996 TC <sub>6</sub> | 1996 10 05.78767   | 02 57 57.84 | +15 09 53.7 |        | 327 | 1996 TL <sub>6</sub>  | 1996 10 09.60220   | 21 55 22.36 | -15 35 09.8 |        | 327 |
| 1996 TD <sub>6</sub> | * 1996 10 03.85000 | 02 59 35.94 | +15 28 32.0 | 18.3 V | 327 | 1996 TM <sub>6</sub>  | * 1996 10 07.56409 | 21 55 11.94 | -16 01 11.3 |        | 327 |
| 1996 TD <sub>6</sub> | 1996 10 03.85876   | 02 59 35.65 | +15 28 28.4 |        | 327 | 1996 TM <sub>6</sub>  | 1996 10 07.57865   | 21 55 12.05 | -16 01 08.9 |        | 327 |
| 1996 TD <sub>6</sub> | 1996 10 03.86742   | 02 59 35.35 | +15 28 25.4 |        | 327 | 1996 TM <sub>6</sub>  | 1996 10 07.59179   | 21 55 12.12 | -16 01 05.9 | 19.0 V | 327 |
| 1996 TD <sub>6</sub> | 1996 10 05.76103   | 02 58 34.54 | +15 17 29.3 |        | 327 | 1996 TM <sub>6</sub>  | 1996 10 09.57259   | 21 55 27.64 | -15 55 21.0 | 19.2 V | 327 |
| 1996 TD <sub>6</sub> | 1996 10 05.77450   | 02 58 34.06 | +15 17 24.2 |        | 327 | 1996 TM <sub>6</sub>  | 1996 10 09.58863   | 21 55 27.82 | -15 55 18.3 |        | 327 |
| 1996 TD <sub>6</sub> | 1996 10 05.78767   | 02 58 33.61 | +15 17 19.2 | 18.9 V | 327 | 1996 TM <sub>6</sub>  | 1996 10 09.60220   | 21 55 27.81 | -15 55 15.8 |        | 327 |
| 1996 TE <sub>6</sub> | * 1996 10 03.85000 | 03 00 19.41 | +15 54 42.5 | 17.4 V | 327 | 1996 TM <sub>6</sub>  | 1996 10 18.48810   | 21 58 19.72 | -15 20 34.2 |        | 327 |
| 1996 TE <sub>6</sub> | 1996 10 03.85876   | 03 00 19.23 | +15 54 39.9 |        | 327 | 1996 TM <sub>6</sub>  | 1996 10 18.49677   | 21 58 19.98 | -15 20 31.5 |        | 327 |
| 1996 TE <sub>6</sub> | 1996 10 03.86742   | 03 00 18.99 | +15 54 37.2 |        | 327 | 1996 TM <sub>6</sub>  | 1996 10 18.50546   | 21 58 20.15 | -15 20 29.3 |        | 327 |
| 1996 TE <sub>6</sub> | 1996 10 05.76103   | 02 59 34.74 | +15 44 38.3 | 17.7 V | 327 | 1996 TM <sub>6</sub>  | 1996 10 18.51416   | 21 58 20.38 | -15 20 26.6 | 19.6 V | 327 |
| 1996 TE <sub>6</sub> | 1996 10 05.77450   | 02 59 34.40 | +15 44 33.7 |        | 327 | 1996 TZ <sub>11</sub> | * 1996 10 03.65134 | 22 59 09.66 | +11 02 19.7 | 17.1 V | 327 |
| 1996 TE <sub>6</sub> | 1996 10 05.78767   | 02 59 34.05 | +15 44 29.6 |        | 327 | 1996 TZ <sub>11</sub> | 1996 10 03.65588   | 22 59 09.56 | +11 02 17.1 |        | 327 |
| 1996 TF <sub>6</sub> | * 1996 10 05.79670 | 04 12 16.58 | +28 08 22.0 |        | 327 | 1996 TZ <sub>11</sub> | 1996 10 03.66037   | 22 59 09.40 | +11 02 14.6 |        | 327 |
| 1996 TF <sub>6</sub> | 1996 10 05.80993   | 04 12 16.37 | +28 08 23.8 | 20.0 V | 327 | 1996 TZ <sub>11</sub> | 1996 10 03.66567   | 22 59 09.24 | +11 02 10.9 |        | 327 |
| 1996 TF <sub>6</sub> | 1996 10 05.82341   | 04 12 16.18 | +28 08 26.4 |        | 327 | 1996 TZ <sub>11</sub> | 1996 10 09.61638   | 22 56 37.13 | +10 01 02.3 |        | 327 |
| 1996 TF <sub>6</sub> | 1996 10 07.78549   | 04 11 49.68 | +28 13 46.1 |        | 327 | 1996 TZ <sub>11</sub> | 1996 10 09.63253   | 22 56 36.77 | +10 00 52.4 | 17.2 V | 327 |
| 1996 TF <sub>6</sub> | 1996 10 07.80067   | 04 11 49.38 | +28 13 48.8 | 20.5 V | 327 | 1996 TZ <sub>11</sub> | 1996 10 09.64737   | 22 56 36.35 | +10 00 43.9 |        | 327 |
| 1996 TF <sub>6</sub> | 1996 10 07.81419   | 04 11 49.21 | +28 13 51.1 |        | 327 | 1996 TA <sub>12</sub> | * 1996 10 03.67985 | 00 41 33.09 | +04 21 05.8 |        | 327 |
| 1996 TG <sub>6</sub> | * 1996 10 05.79670 | 04 12 51.95 | +28 01 16.9 | 19.2 V | 327 | 1996 TA <sub>12</sub> | 1996 10 03.69593   | 00 41 32.25 | +04 21 02.0 | 19.1 V | 327 |
| 1996 TG <sub>6</sub> | 1996 10 05.80993   | 04 12 51.78 | +28 01 19.1 |        | 327 | 1996 TA <sub>12</sub> | 1996 10 03.70900   | 00 41 31.63 | +04 20 58.4 |        | 327 |
| 1996 TG <sub>6</sub> | 1996 10 05.82341   | 04 12 51.60 | +28 01 21.5 |        | 327 | 1996 TA <sub>12</sub> | 1996 10 05.68113   | 00 39 55.36 | +04 12 06.6 |        | 327 |
| 1996 TG <sub>6</sub> | 1996 10 07.78549   | 04 12 29.95 | +28 07 11.4 |        | 327 | 1996 TA <sub>12</sub> | 1996 10 05.69458   | 00 39 54.62 | +04 12 02.4 |        | 327 |
| 1996 TG <sub>6</sub> | 1996 10 07.80067   | 04 12 29.72 | +28 07 14.2 |        | 327 | 1996 TA <sub>12</sub> | 1996 10 05.70858   | 00 39 53.99 | +04 11 59.3 | 18.6 V | 327 |
| 1996 TG <sub>6</sub> | 1996 10 07.81419   | 04 12 29.50 | +28 07 16.9 | 19.1 V | 327 | 1996 TB <sub>12</sub> | * 1996 10 03.67985 | 00 42 31.78 | +04 25 22.5 |        | 327 |
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| 1996 TH <sub>6</sub> | 1996 10 05.82341   | 04 14 49.24 | +28 23 44.9 |        | 327 | 1996 TB <sub>12</sub> | 1996 10 05.69458   | 00 40 35.20 | +04 17 02.5 |        | 327 |
| 1996 TH <sub>6</sub> | 1996 10 07.78549   | 04 15 13.02 | +28 15 00.5 | 18.6 V | 327 | 1996 TB <sub>12</sub> | 1996 10 05.70858   | 00 40 34.35 | +04 16 58.5 |        | 327 |
| 1996 TH <sub>6</sub> | 1996 10 07.80067   | 04 15 13.05 | +28 14 56.6 |        | 327 | 1996 TC <sub>12</sub> | * 1996 10 03.67985 | 00 44 35.99 | +03 55 33.7 | 19.5 V | 327 |
| 1996 TH <sub>6</sub> | 1996 10 07.81419   | 04 15 13.13 | +28 14 52.1 |        | 327 | 1996 TC <sub>12</sub> | 1996 10 03.69593   | 00 44 35.11 | +03 55 29.5 |        | 327 |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TC <sub>12</sub> | 1996 10 03.70900   | 00 44 34.50 | +03 55 25.3 |        | 327 | 1996 TP <sub>13</sub> | 1996 10 14.72137   | 01 42 49.24 | +10 30 14.0 |        | 327 |
| 1996 TC <sub>12</sub> | 1996 10 05.68113   | 00 42 58.47 | +03 45 06.4 | 19.3 V | 327 | 1996 TQ <sub>13</sub> | * 1996 10 05.71735 | 01 52 50.19 | +11 03 57.8 | 19.1 V | 327 |
| 1996 TC <sub>12</sub> | 1996 10 05.69458   | 00 42 57.71 | +03 45 02.6 |        | 327 | 1996 TQ <sub>13</sub> | 1996 10 05.73149   | 01 52 49.43 | +11 03 54.2 |        | 327 |
| 1996 TC <sub>12</sub> | 1996 10 05.70858   | 00 42 57.04 | +03 44 57.4 |        | 327 | 1996 TQ <sub>13</sub> | 1996 10 05.74618   | 01 52 48.72 | +11 03 52.0 |        | 327 |
| 1996 TG <sub>12</sub> | * 1996 10 03.65134 | 22 58 01.05 | +11 12 52.2 |        | 327 | 1996 TQ <sub>13</sub> | 1996 10 14.68850   | 01 45 15.68 | +10 34 30.4 | 18.8 V | 327 |
| 1996 TG <sub>12</sub> | 1996 10 03.65588   | 22 58 00.91 | +11 12 50.4 |        | 327 | 1996 TQ <sub>13</sub> | 1996 10 14.70582   | 01 45 14.67 | +10 34 26.9 |        | 327 |
| 1996 TG <sub>12</sub> | 1996 10 03.66037   | 22 58 00.71 | +11 12 48.0 | 17.4 V | 327 | 1996 TQ <sub>13</sub> | 1996 10 14.72572   | 01 45 13.55 | +10 34 22.6 |        | 327 |
| 1996 TG <sub>12</sub> | 1996 10 03.66567   | 22 58 00.54 | +11 12 45.3 |        | 327 | 1996 TR <sub>13</sub> | * 1996 10 05.80110 | 04 12 07.06 | +26 06 01.6 |        | 327 |
| 1996 TG <sub>12</sub> | 1996 10 09.61638   | 22 55 06.12 | +10 24 12.4 | 17.8 V | 327 | 1996 TR <sub>13</sub> | 1996 10 05.81432   | 04 12 07.17 | +26 06 06.4 | 16.7 V | 327 |
| 1996 TG <sub>12</sub> | 1996 10 09.63253   | 22 55 05.70 | +10 24 04.6 |        | 327 | 1996 TR <sub>13</sub> | 1996 10 05.82778   | 04 12 07.12 | +26 06 11.0 |        | 327 |
| 1996 TG <sub>12</sub> | 1996 10 09.64737   | 22 55 05.33 | +10 23 57.3 |        | 327 | 1996 TR <sub>13</sub> | 1996 10 13.86506   | 04 11 29.77 | +26 54 32.7 | 16.9 V | 327 |
| 1996 TJ <sub>13</sub> | * 1996 10 05.71295 | 01 51 31.21 | +09 24 04.9 |        | 327 | 1996 TR <sub>13</sub> | 1996 10 13.87373   | 04 11 29.62 | +26 54 35.6 |        | 327 |
| 1996 TJ <sub>13</sub> | 1996 10 05.72625   | 01 51 30.52 | +09 24 00.6 | 19.5 V | 327 | 1996 TR <sub>13</sub> | 1996 10 13.88241   | 04 11 29.53 | +26 54 39.2 |        | 327 |
| 1996 TJ <sub>13</sub> | 1996 10 05.74179   | 01 51 29.80 | +09 23 54.2 |        | 327 | 1996 TS <sub>13</sub> | * 1996 10 09.48270 | 21 56 02.28 | -17 41 19.2 |        | 327 |
| 1996 TJ <sub>13</sub> | 1996 10 14.67550   | 01 43 48.91 | +08 26 27.6 | 19.9 V | 327 | 1996 TS <sub>13</sub> | 1996 10 09.49745   | 21 56 02.15 | -17 41 15.5 | 18.3 V | 327 |
| 1996 TJ <sub>13</sub> | 1996 10 14.69282   | 01 43 48.02 | +08 26 20.6 |        | 327 | 1996 TS <sub>13</sub> | 1996 10 09.51240   | 21 56 02.01 | -17 41 11.9 |        | 327 |
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| 1996 TK <sub>13</sub> | 1996 10 05.74179   | 01 52 19.42 | +08 58 03.5 | 18.9 V | 327 | 1996 TT <sub>13</sub> | * 1996 10 09.62130 | 22 57 21.32 | +10 23 39.9 |        | 327 |
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| 1996 TM <sub>13</sub> | 1996 10 05.72625   | 01 53 18.99 | +08 52 00.3 |        | 327 | 1996 TU <sub>13</sub> | 1996 10 14.65297   | 00 36 13.00 | +02 55 34.9 |        | 327 |
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| 1996 TO <sub>13</sub> | 1996 10 14.72137   | 01 43 13.75 | +10 12 40.7 |        | 327 | 1996 TX <sub>13</sub> | 1996 10 14.58390   | 23 33 41.90 | +01 45 00.7 |        | 327 |
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|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TY <sub>13</sub> | 1996 10 14.58390   | 23 34 40.90 | +01 52 32.5 |        | 327 | 1996 TF <sub>14</sub> | 1996 10 14.55358   | 22 49 34.50 | +06 18 07.2 | 19.4 V | 327 |
| 1996 TY <sub>13</sub> | 1996 10 14.59263   | 23 34 40.56 | +01 52 31.5 | 20.0 V | 327 | 1996 TF <sub>14</sub> | 1996 10 14.56657   | 22 49 34.25 | +06 18 02.5 |        | 327 |
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| 1996 TA <sub>14</sub> | * 1996 10 10.62222 | 22 51 06.47 | +07 05 00.9 |        | 327 | 1996 TG <sub>14</sub> | 1996 10 18.55818   | 22 48 46.71 | +06 14 27.1 |        | 327 |
| 1996 TA <sub>14</sub> | 1996 10 10.63635   | 22 51 06.34 | +07 04 48.7 |        | 327 | 1996 TG <sub>14</sub> | 1996 10 18.58008   | 22 48 46.33 | +06 14 24.4 | 19.1 V | 327 |
| 1996 TA <sub>14</sub> | 1996 10 10.65229   | 22 51 06.12 | +07 04 34.5 | 18.1 V | 327 | 6600 P-L              | 1996 10 03.85000   | 02 58 15.98 | +15 09 16.5 | 18.3 V | 327 |
| 1996 TA <sub>14</sub> | 1996 10 14.53817   | 22 50 43.69 | +06 09 32.4 |        | 327 | 6600 P-L              | 1996 10 03.85876   | 02 58 15.69 | +15 09 15.9 |        | 327 |
| 1996 TA <sub>14</sub> | 1996 10 14.55358   | 22 50 43.60 | +06 09 19.3 |        | 327 | 6600 P-L              | 1996 10 03.86742   | 02 58 15.40 | +15 09 14.9 |        | 327 |
| 1996 TA <sub>14</sub> | 1996 10 14.56657   | 22 50 43.56 | +06 09 09.3 |        | 327 | 6600 P-L              | 1996 10 05.76103   | 02 57 07.89 | +15 04 56.2 | 18.5 V | 327 |
| 1996 TA <sub>14</sub> | 1996 10 18.53161   | 22 50 47.15 | +05 15 33.5 |        | 327 | 6629 P-L              | 1996 09 23.76615   | 03 05 41.48 | +13 09 41.0 |        | 327 |
| 1996 TA <sub>14</sub> | 1996 10 18.55359   | 22 50 47.21 | +05 15 16.3 |        | 327 | 6629 P-L              | 1996 09 23.78156   | 03 05 41.27 | +13 09 39.4 | 17.7 V | 327 |
| 1996 TA <sub>14</sub> | 1996 10 18.57572   | 22 50 47.26 | +05 14 58.6 | 17.5 V | 327 | 6629 P-L              | 1996 09 23.79731   | 03 05 41.03 | +13 09 37.6 |        | 327 |
| 1996 TB <sub>14</sub> | * 1996 10 10.62222 | 22 51 12.40 | +07 06 02.0 |        | 327 | 1125 T-2              | 1996 09 21.74571   | 02 35 13.80 | +14 51 03.5 |        | 327 |
| 1996 TB <sub>14</sub> | 1996 10 10.63635   | 22 51 11.96 | +07 05 57.8 |        | 327 | 1125 T-2              | 1996 09 21.75933   | 02 35 13.58 | +14 51 02.4 | 18.3 V | 327 |
| 1996 TB <sub>14</sub> | 1996 10 10.65229   | 22 51 11.32 | +07 05 52.9 | 19.1 V | 327 | 1125 T-2              | 1996 09 21.77368   | 02 35 13.37 | +14 51 00.7 |        | 327 |
| 1996 TB <sub>14</sub> | 1996 10 14.53817   | 22 49 13.53 | +06 47 26.4 |        | 327 | 2908 T-2              | 1996 09 21.74063   | 01 59 19.18 | +11 21 55.7 |        | 327 |
| 1996 TB <sub>14</sub> | 1996 10 14.55358   | 22 49 13.10 | +06 47 22.9 |        | 327 | 2908 T-2              | 1996 09 21.75476   | 01 59 18.69 | +11 21 50.9 | 17.3 V | 327 |
| 1996 TB <sub>14</sub> | 1996 10 14.56657   | 22 49 12.70 | +06 47 18.7 |        | 327 | 2908 T-2              | 1996 09 21.76906   | 01 59 18.23 | +11 21 47.0 |        | 327 |
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| 1996 TB <sub>14</sub> | 1996 10 18.58008   | 22 47 33.42 | +06 29 13.9 |        | 327 | 3060 T-2              | 1996 10 05.70414   | 00 44 33.29 | +00 15 41.0 |        | 327 |
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| 1996 TC <sub>14</sub> | 1996 10 14.53817   | 22 51 04.18 | +06 55 00.5 |        | 327 | 3196 T-3              | 1996 09 21.80113   | 03 03 31.94 | +14 19 44.0 |        | 327 |
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| 1996 TC <sub>14</sub> | 1996 10 18.53596   | 22 49 59.47 | +06 33 15.1 |        | 327 | 3196 T-3              | 1996 09 23.75579   | 03 03 03.83 | +14 17 13.6 |        | 327 |
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| 1996 TC <sub>14</sub> | 1996 10 18.58008   | 22 49 58.81 | +06 33 01.0 | 16.7 V | 327 | 3196 T-3              | 1996 09 23.78634   | 03 03 03.32 | +14 17 11.5 | 19.4 V | 327 |
| 1996 TD <sub>14</sub> | * 1996 10 10.62222 | 22 52 29.43 | +07 35 24.4 |        | 327 | 3196 T-3              | 1996 09 23.80215   | 03 03 02.96 | +14 17 09.7 |        | 327 |
| 1996 TD <sub>14</sub> | 1996 10 10.63635   | 22 52 29.05 | +07 35 16.7 | 19.2 V | 327 | (1077)                | 1996 10 14.47032   | 20 49 49.41 | -18 46 36.7 | 16.2 V | 327 |
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| 1996 TD <sub>14</sub> | 1996 10 14.56657   | 22 51 04.29 | +06 58 34.7 | 19.1 V | 327 | (1435)                | 1996 10 14.69715   | 01 41 01.93 | +08 33 55.9 | 15.8 V | 327 |
| 1996 TD <sub>14</sub> | 1996 10 18.53596   | 22 50 00.28 | +06 23 01.8 |        | 327 | (1435)                | 1996 10 14.71615   | 01 41 00.93 | +08 33 47.3 |        | 327 |
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| (4917) | 1996 09 22.80374 | 03 01 05.37 | +14 23 04.2 |        | 327 |
| (4917) | 1996 09 22.81759 | 03 01 05.26 | +14 23 01.7 |        | 327 |
| (4917) | 1996 09 23.75579 | 03 00 59.35 | +14 20 27.4 |        | 327 |
| (4917) | 1996 09 23.77175 | 03 00 59.20 | +14 20 24.6 |        | 327 |
| (4917) | 1996 09 23.78634 | 03 00 59.05 | +14 20 22.2 |        | 327 |
| (4917) | 1996 09 23.80215 | 03 00 58.91 | +14 20 18.9 | 17.4 V | 327 |
| (4920) | 1996 09 21.74063 | 02 01 09.50 | +11 42 05.9 |        | 327 |
| (4920) | 1996 09 21.75476 | 02 01 09.06 | +11 42 02.9 |        | 327 |
| (4920) | 1996 09 21.76906 | 02 01 08.67 | +11 41 59.5 | 16.7 V | 327 |
| (5342) | 1996 10 07.56980 | 21 58 08.92 | -12 25 41.7 | 17.8 V | 327 |
| (5342) | 1996 10 07.58312 | 21 58 09.11 | -12 25 47.1 |        | 327 |
| (5342) | 1996 10 07.59612 | 21 58 09.22 | -12 25 51.7 |        | 327 |
| (5342) | 1996 10 09.57903 | 21 58 39.78 | -12 38 27.6 |        | 327 |
| (5342) | 1996 10 09.59348 | 21 58 40.03 | -12 38 32.8 | 17.7 V | 327 |
| (5342) | 1996 10 09.60654 | 21 58 40.20 | -12 38 37.4 |        | 327 |
| (5355) | 1996 09 21.74063 | 01 58 42.60 | +11 58 22.5 |        | 327 |
| (5355) | 1996 09 21.75476 | 01 58 42.02 | +11 58 19.6 | 17.1 V | 327 |
| (5355) | 1996 09 21.76906 | 01 58 41.46 | +11 58 16.1 |        | 327 |
| (5355) | 1996 09 22.76832 | 01 58 02.71 | +11 54 28.7 |        | 327 |
| (5355) | 1996 09 22.77769 | 01 58 02.37 | +11 54 26.7 | 17.1 V | 327 |
| (5355) | 1996 09 22.78873 | 01 58 01.91 | +11 54 24.3 |        | 327 |

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (5363) | 1996 10 14.85809 | 06 23 05.07 | +23 16 33.2 | 16.9 V | 327 |
| (5363) | 1996 10 14.86675 | 06 23 05.54 | +23 16 31.7 |        | 327 |
| (5363) | 1996 10 14.87544 | 06 23 06.06 | +23 16 30.6 |        | 327 |
| (5603) | 1996 09 21.70509 | 00 59 51.43 | +06 52 45.3 | 16.7 V | 327 |
| (5603) | 1996 09 21.72061 | 00 59 50.90 | +06 52 41.4 |        | 327 |
| (5603) | 1996 09 21.73498 | 00 59 50.45 | +06 52 38.1 |        | 327 |
| (5859) | 1996 09 21.80113 | 03 05 38.08 | +13 44 14.7 |        | 327 |
| (5859) | 1996 09 21.81656 | 03 05 37.84 | +13 44 12.2 |        | 327 |
| (5859) | 1996 09 21.83147 | 03 05 37.68 | +13 44 10.4 | 18.8 V | 327 |
| (5859) | 1996 09 23.76106 | 03 05 13.71 | +13 39 38.2 |        | 327 |
| (5859) | 1996 09 23.77657 | 03 05 13.47 | +13 39 36.4 |        | 327 |
| (5859) | 1996 09 23.79226 | 03 05 13.23 | +13 39 34.0 | 17.1 V | 327 |
| (5974) | 1996 10 14.62692 | 00 36 29.96 | +02 21 58.1 |        | 327 |
| (5974) | 1996 10 14.63994 | 00 36 29.41 | +02 21 54.4 | 17.9 V | 327 |
| (5974) | 1996 10 14.65297 | 00 36 28.89 | +02 21 50.3 |        | 327 |
| (6266) | 1996 10 03.44797 | 20 49 39.55 | -15 41 35.8 |        | 327 |
| (6266) | 1996 10 03.46235 | 20 49 40.21 | -15 41 36.5 |        | 327 |
| (6266) | 1996 10 03.47581 | 20 49 40.86 | -15 41 37.2 | 17.6 V | 327 |
| (7122) | 1996 10 07.56980 | 21 56 40.05 | -12 16 22.2 |        | 327 |
| (7122) | 1996 10 07.58312 | 21 56 40.06 | -12 16 20.9 | 18.8 V | 327 |
| (7122) | 1996 10 07.59612 | 21 56 40.13 | -12 16 19.8 |        | 327 |
| (7122) | 1996 10 09.57903 | 21 56 56.32 | -12 13 09.1 | 18.3 V | 327 |
| (7122) | 1996 10 09.59348 | 21 56 56.43 | -12 13 08.2 |        | 327 |
| (7122) | 1996 10 09.60654 | 21 56 56.59 | -12 13 06.3 |        | 327 |

**353 Nishi Kobe**

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

GSC

|         |                  |             |             |  |     |
|---------|------------------|-------------|-------------|--|-----|
| 1996 UK | 1996 10 20.58926 | 02 10 52.63 | +13 19 43.0 |  | 353 |
| 1996 UK | 1996 10 20.59147 | 02 10 52.55 | +13 19 40.4 |  | 353 |
| 1996 UK | 1996 10 20.59341 | 02 10 52.51 | +13 19 38.1 |  | 353 |
| 1996 UK | 1996 10 21.52238 | 02 10 29.55 | +13 01 35.9 |  | 353 |
| 1996 UK | 1996 10 21.52407 | 02 10 29.49 | +13 01 33.6 |  | 353 |
| 1996 UK | 1996 10 21.52707 | 02 10 29.37 | +13 01 30.1 |  | 353 |
| 1996 UL | 1996 10 20.56238 | 00 55 24.30 | +06 53 45.5 |  | 353 |
| 1996 UL | 1996 10 20.56803 | 00 55 23.96 | +06 53 47.5 |  | 353 |
| 1996 UL | 1996 10 20.57508 | 00 55 23.45 | +06 53 50.3 |  | 353 |
| (1287)  | 1996 10 20.56437 | 00 55 24.74 | +06 53 27.0 |  | 353 |
| (1287)  | 1996 10 20.56803 | 00 55 24.59 | +06 53 25.4 |  | 353 |
| (1287)  | 1996 10 20.57002 | 00 55 24.50 | +06 53 24.5 |  | 353 |
| (1287)  | 1996 10 20.57508 | 00 55 24.29 | +06 53 22.4 |  | 353 |

**355 Hadano**

A. Asami, 28-1 Nishitawara, Hadano, Kanagawa-Ken, Japan 257

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0.2-m  $f/4.0$  reflector + CCD

GSC

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1996 TE <sub>11</sub> | 1996 10 17.62353 | 03 48 21.99 | -20 57 20.7 | 17.5 V | 355 |
| 1996 TE <sub>11</sub> | 1996 10 17.62678 | 03 48 22.25 | -20 57 29.0 |        | 355 |
| 1996 TE <sub>11</sub> | 1996 10 17.63653 | 03 48 22.77 | -20 57 54.3 |        | 355 |
| 1996 TE <sub>11</sub> | 1996 10 21.63304 | 03 52 20.32 | -23 49 57.1 |        | 355 |

|                       |                  |             |             |     |
|-----------------------|------------------|-------------|-------------|-----|
| 1996 TE <sub>11</sub> | 1996 10 21.63646 | 03 52 20.48 | −23 50 05.5 | 355 |
| 1996 UK               | 1996 10 19.64177 | 02 11 15.71 | +13 38 14.0 | 355 |
| 1996 UK               | 1996 10 19.64501 | 02 11 15.64 | +13 38 10.5 | 355 |
| 1996 UK               | 1996 10 21.57306 | 02 10 28.03 | +13 00 37.4 | 355 |
| 1996 UK               | 1996 10 21.57591 | 02 10 27.94 | +13 00 33.8 | 355 |
| 1996 UL               | 1996 10 19.60105 | 00 56 25.84 | +06 47 11.0 | 355 |
| 1996 UL               | 1996 10 19.60429 | 00 56 25.60 | +06 47 11.7 | 355 |
| 1996 UL               | 1996 10 21.55176 | 00 54 22.43 | +07 00 29.6 | 355 |
| 1996 UL               | 1996 10 21.55531 | 00 54 22.25 | +07 00 31.3 | 355 |

**358 Nanyou**

T. Okuni, 158-28, Mitsuma-dori, Nanyou, Yamagata-Ken, 999-22 Japan

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

GSC

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1981 EY <sub>35</sub> | 1996 10 09.71075   | 01 46 11.80 | +13 32 23.6 | 17.0 V | 358 |
| 1981 EY <sub>35</sub> | 1996 10 09.73287   | 01 46 10.39 | +13 32 19.8 |        | 358 |
| 1981 EY <sub>35</sub> | 1996 10 10.73700   | 01 45 09.34 | +13 28 20.9 | 17.2 V | 358 |
| 1981 EY <sub>35</sub> | 1996 10 10.75644   | 01 45 08.11 | +13 28 14.1 |        | 358 |
| 1985 RJ <sub>3</sub>  | 1996 09 07.67382   | 00 00 21.56 | −00 01 15.1 | 17.5 V | 358 |
| 1985 RJ <sub>3</sub>  | 1996 09 07.71941   | 00 00 19.64 | −00 01 30.1 |        | 358 |
| 1985 RJ <sub>3</sub>  | 1996 09 10.70370   | 23 58 14.34 | −00 16 49.6 | 17.4 V | 358 |
| 1985 RJ <sub>3</sub>  | 1996 09 10.72013   | 23 58 13.68 | −00 16 54.0 |        | 358 |
| 1996 JD <sub>1</sub>  | 1996 06 09.55354   | 14 36 26.86 | −08 41 50.5 | 17.7 V | 358 |
| 1996 JD <sub>1</sub>  | 1996 06 09.57797   | 14 36 26.31 | −08 41 50.0 |        | 358 |
| 1996 JD <sub>1</sub>  | 1996 06 09.58366   | 14 36 26.07 | −08 41 49.3 |        | 358 |
| 1996 JW <sub>2</sub>  | 1996 06 13.65691   | 16 38 25.65 | −07 51 25.5 | 17.5 V | 358 |
| 1996 JW <sub>2</sub>  | 1996 06 13.67329   | 16 38 24.82 | −07 51 28.0 |        | 358 |
| 1996 JW <sub>2</sub>  | 1996 06 13.68441   | 16 38 24.19 | −07 51 26.0 |        | 358 |
| 1996 KU <sub>1</sub>  | 1996 06 12.64624   | 16 44 26.70 | −05 51 06.9 | 17.7 V | 358 |
| 1996 KU <sub>1</sub>  | 1996 06 12.65973   | 16 44 26.31 | −05 51 02.6 |        | 358 |
| 1996 KU <sub>1</sub>  | 1996 06 12.66789   | 16 44 25.96 | −05 51 00.1 |        | 358 |
| 1996 NR <sub>5</sub>  | * 1996 07 12.64578 | 20 55 53.95 | −06 40 29.2 | 17.6 V | 358 |
| 1996 NR <sub>5</sub>  | 1996 07 12.70410   | 20 55 51.04 | −06 40 10.1 |        | 358 |
| 1996 NR <sub>5</sub>  | 1996 07 16.71639   | 20 52 35.39 | −06 19 47.0 | 17.8 V | 358 |
| 1996 NR <sub>5</sub>  | 1996 07 16.73618   | 20 52 34.42 | −06 19 45.8 |        | 358 |
| 1996 NR <sub>5</sub>  | 1996 07 18.58396   | 20 50 58.71 | −06 11 12.5 | 17.3 V | 358 |
| 1996 NR <sub>5</sub>  | 1996 07 18.61666   | 20 50 56.76 | −06 11 02.1 |        | 358 |
| 1996 NS <sub>5</sub>  | * 1996 07 12.68464 | 20 55 53.11 | −05 20 03.9 | 17.5 V | 358 |
| 1996 NS <sub>5</sub>  | 1996 07 12.70823   | 20 55 52.00 | −05 20 01.2 |        | 358 |
| 1996 NS <sub>5</sub>  | 1996 07 16.71954   | 20 52 55.69 | −05 13 48.0 | 17.5 V | 358 |
| 1996 NS <sub>5</sub>  | 1996 07 16.73867   | 20 52 54.58 | −05 13 44.0 |        | 358 |
| 1996 NS <sub>5</sub>  | 1996 07 18.60081   | 20 51 26.46 | −05 12 07.0 | 17.3 V | 358 |
| 1996 NS <sub>5</sub>  | 1996 07 18.62326   | 20 51 25.18 | −05 12 06.1 |        | 358 |
| 1996 OD <sub>3</sub>  | * 1996 07 19.65031 | 20 52 26.44 | −10 45 13.8 | 17.2 V | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 19.66699   | 20 52 25.53 | −10 45 11.9 |        | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 19.72521   | 20 52 22.47 | −10 45 09.9 |        | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 23.61295   | 20 48 54.23 | −10 42 23.7 | 17.4 V | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 23.66681   | 20 48 50.99 | −10 42 23.5 |        | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 25.62835   | 20 47 00.45 | −10 41 47.4 | 17.2 V | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 25.64368   | 20 46 59.73 | −10 41 46.7 |        | 358 |
| 1996 OD <sub>3</sub>  | 1996 07 25.66038   | 20 46 58.51 | −10 41 46.1 |        | 358 |
| 1996 PP <sub>9</sub>  | * 1996 08 06.60970 | 22 09 37.79 | −07 16 17.1 | 17.7 V | 358 |
| 1996 PP <sub>9</sub>  | 1996 08 06.62630   | 22 09 36.96 | −07 16 22.5 |        | 358 |

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 PP <sub>9</sub>  | 1996 08 06.64304   | 22 09 36.38 | −07 16 29.8 |        | 358 |
| 1996 PP <sub>9</sub>  | 1996 08 07.63363   | 22 09 00.94 | −07 22 44.4 | 17.6 V | 358 |
| 1996 PP <sub>9</sub>  | 1996 08 07.66956   | 22 08 59.56 | −07 22 57.2 |        | 358 |
| 1996 PQ <sub>9</sub>  | * 1996 08 09.67914 | 23 11 02.23 | −01 31 54.6 | 17.7 V | 358 |
| 1996 PQ <sub>9</sub>  | 1996 08 09.70405   | 23 11 00.69 | −01 31 41.9 |        | 358 |
| 1996 PQ <sub>9</sub>  | 1996 08 09.72898   | 23 10 59.57 | −01 31 29.4 |        | 358 |
| 1996 PQ <sub>9</sub>  | 1996 08 11.62888   | 23 09 15.64 | −01 15 01.7 | 17.7 V | 358 |
| 1996 PQ <sub>9</sub>  | 1996 08 11.67192   | 23 09 13.10 | −01 14 40.0 |        | 358 |
| 1996 PR <sub>9</sub>  | * 1996 08 09.68051 | 23 10 49.14 | −00 53 29.7 | 18.1 V | 358 |
| 1996 PR <sub>9</sub>  | 1996 08 09.70542   | 23 10 48.42 | −00 53 37.7 |        | 358 |
| 1996 PR <sub>9</sub>  | 1996 08 09.72760   | 23 10 47.71 | −00 53 50.2 |        | 358 |
| 1996 PR <sub>9</sub>  | 1996 08 11.64693   | 23 09 59.21 | −01 08 33.3 | 18.7 V | 358 |
| 1996 PR <sub>9</sub>  | 1996 08 11.67192   | 23 09 58.38 | −01 08 45.3 |        | 358 |
| 1996 PS <sub>9</sub>  | * 1996 08 09.71091 | 23 09 27.98 | +00 35 09.7 | 16.9 V | 358 |
| 1996 PS <sub>9</sub>  | 1996 08 09.72348   | 23 09 27.60 | +00 35 06.8 |        | 358 |
| 1996 PS <sub>9</sub>  | 1996 08 11.63436   | 23 08 31.57 | +00 29 07.7 | 16.7 V | 358 |
| 1996 PS <sub>9</sub>  | 1996 08 11.67743   | 23 08 30.15 | +00 28 59.0 |        | 358 |
| 1996 PT <sub>9</sub>  | * 1996 08 09.68188 | 23 09 50.35 | −00 27 31.1 | 18.6 V | 358 |
| 1996 PT <sub>9</sub>  | 1996 08 09.72624   | 23 09 49.15 | −00 27 37.2 |        | 358 |
| 1996 PT <sub>9</sub>  | 1996 08 11.63024   | 23 08 52.83 | −00 33 36.1 | 18.5 V | 358 |
| 1996 PT <sub>9</sub>  | 1996 08 11.67330   | 23 08 51.32 | −00 33 42.4 |        | 358 |
| 1996 PU <sub>9</sub>  | * 1996 08 11.63297 | 23 09 36.23 | +00 22 10.4 | 18.4 V | 358 |
| 1996 PU <sub>9</sub>  | 1996 08 11.67606   | 23 09 35.69 | +00 21 59.6 |        | 358 |
| 1996 PU <sub>9</sub>  | 1996 08 12.68171   | 23 09 24.74 | +00 18 53.4 | 18.2 V | 358 |
| 1996 PU <sub>9</sub>  | 1996 08 12.71399   | 23 09 24.21 | +00 18 42.3 |        | 358 |
| 1996 PU <sub>9</sub>  | 1996 08 24.59979   | 23 05 17.55 | −00 39 53.7 | 18.4 V | 358 |
| 1996 PU <sub>9</sub>  | 1996 08 24.62990   | 23 05 16.63 | −00 40 04.3 |        | 358 |
| 1996 PV <sub>9</sub>  | * 1996 08 11.63436 | 23 09 19.42 | +00 47 29.0 | 18.1 V | 358 |
| 1996 PV <sub>9</sub>  | 1996 08 11.67744   | 23 09 18.04 | +00 47 20.8 |        | 358 |
| 1996 PV <sub>9</sub>  | 1996 08 12.68606   | 23 08 49.53 | +00 43 27.5 | 17.8 V | 358 |
| 1996 PV <sub>9</sub>  | 1996 08 12.73950   | 23 08 47.73 | +00 43 16.0 |        | 358 |
| 1996 PV <sub>9</sub>  | 1996 08 18.69856   | 23 05 33.02 | +00 16 29.2 | 18.0 V | 358 |
| 1996 PV <sub>9</sub>  | 1996 08 18.72234   | 23 05 32.17 | +00 16 20.6 |        | 358 |
| 1996 QE               | 1996 09 07.67656   | 23 59 48.91 | +00 42 40.0 | 17.4 V | 358 |
| 1996 QE               | 1996 09 07.72215   | 23 59 47.26 | +00 42 03.1 |        | 358 |
| 1996 QE               | 1996 09 10.70810   | 23 57 59.70 | +00 01 57.6 | 17.7 V | 358 |
| 1996 QE               | 1996 09 10.72536   | 23 57 59.06 | +00 01 44.8 |        | 358 |
| 1996 QN <sub>1</sub>  | 1996 08 09.64444   | 23 10 31.23 | −06 07 21.3 | 17.6 V | 358 |
| 1996 QN <sub>1</sub>  | 1996 08 09.68742   | 23 10 29.65 | −06 07 22.7 |        | 358 |
| 1996 QN <sub>1</sub>  | 1996 08 10.72628   | 23 09 50.14 | −06 07 51.8 | 17.5 V | 358 |
| 1996 QN <sub>1</sub>  | 1996 08 10.77091   | 23 09 48.36 | −06 07 54.6 |        | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 07.66552   | 00 00 15.47 | −02 47 48.9 | 18.3 V | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 07.70979   | 00 00 12.66 | −02 47 38.7 |        | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 10.64809   | 23 57 01.22 | −02 37 19.6 | 17.8 V | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 10.66755   | 23 56 59.83 | −02 37 14.1 |        | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 10.68559   | 23 56 58.54 | −02 37 08.9 |        | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 11.73016   | 23 55 48.99 | −02 33 33.6 | 18.0 V | 358 |
| 1996 RV <sub>3</sub>  | 1996 09 11.74822   | 23 55 47.83 | −02 33 30.7 |        | 358 |
| 1996 RC <sub>24</sub> | * 1996 09 03.70861 | 00 02 29.37 | −01 42 30.2 | 17.6 V | 358 |
| 1996 RC <sub>24</sub> | 1996 09 03.72528   | 00 02 28.61 | −01 42 39.2 |        | 358 |
| 1996 RC <sub>24</sub> | 1996 09 07.66690   | 00 00 00.59 | −02 07 01.4 | 18.1 V | 358 |
| 1996 RC <sub>24</sub> | 1996 09 07.71118   | 23 59 58.91 | −02 07 17.4 |        | 358 |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RD <sub>24</sub> | * 1996 09 07.66413 | 00 00 03.78 | -02 51 20.6 | 17.9 V | 358 | 1996 SK <sub>7</sub>  | * 1996 09 23.75440 | 02 04 34.37 | +11 17 39.2 | 17.5 V | 358 |
| 1996 RD <sub>24</sub> | 1996 09 07.70841   | 00 00 01.46 | -02 51 34.1 |        | 358 | 1996 SK <sub>7</sub>  | 1996 09 23.78757   | 02 04 32.56 | +11 17 47.3 |        | 358 |
| 1996 RD <sub>24</sub> | 1996 09 10.64671   | 23 57 28.47 | -03 06 11.4 | 18.1 V | 358 | 1996 SK <sub>7</sub>  | 1996 09 24.70115   | 02 03 44.47 | +11 22 13.7 | 17.1 V | 358 |
| 1996 RD <sub>24</sub> | 1996 09 10.68422   | 23 57 26.42 | -03 06 23.0 |        | 358 | 1996 SK <sub>7</sub>  | 1996 09 24.73031   | 02 03 42.71 | +11 22 21.8 |        | 358 |
| 1996 RE <sub>24</sub> | * 1996 09 07.66416 | 23 58 31.74 | -03 10 45.9 | 18.3 V | 358 | 1996 SL <sub>7</sub>  | * 1996 09 23.75586 | 02 05 44.16 | +11 43 46.5 | 17.7 V | 358 |
| 1996 RE <sub>24</sub> | 1996 09 07.70841   | 23 58 29.60 | -03 10 46.0 |        | 358 | 1996 SL <sub>7</sub>  | 1996 09 23.78891   | 02 05 42.81 | +11 43 49.2 |        | 358 |
| 1996 RE <sub>24</sub> | 1996 09 10.64671   | 23 56 06.59 | -03 10 25.4 | 17.8 V | 358 | 1996 SL <sub>7</sub>  | 1996 09 24.70254   | 02 05 10.26 | +11 43 56.6 | 17.5 V | 358 |
| 1996 RE <sub>24</sub> | 1996 09 10.68422   | 23 56 04.41 | -03 10 24.6 |        | 358 | 1996 SL <sub>7</sub>  | 1996 09 24.73168   | 02 05 09.25 | +11 43 57.0 |        | 358 |
| 1996 RF <sub>24</sub> | * 1996 09 07.66968 | 00 00 21.96 | -01 14 47.7 | 18.8 V | 358 | 1996 SF <sub>8</sub>  | 1996 10 09.63993   | 01 52 16.48 | +11 13 31.7 | 16.5 V | 358 |
| 1996 RF <sub>24</sub> | 1996 09 07.71529   | 00 00 19.31 | -01 15 00.1 |        | 358 | 1996 SF <sub>8</sub>  | 1996 10 09.68022   | 01 52 14.69 | +11 13 20.8 |        | 358 |
| 1996 RF <sub>24</sub> | 1996 09 10.65220   | 23 57 27.55 | -01 26 44.9 | 18.3 V | 358 | 1996 SF <sub>8</sub>  | 1996 10 10.67611   | 01 51 32.09 | +11 08 24.1 | 16.7 V | 358 |
| 1996 RF <sub>24</sub> | 1996 09 10.68971   | 23 57 25.30 | -01 26 55.8 |        | 358 | 1996 SF <sub>8</sub>  | 1996 10 10.71216   | 01 51 30.36 | +11 08 11.2 |        | 358 |
| 1996 RG <sub>24</sub> | * 1996 09 07.67242 | 23 58 31.35 | -00 26 14.6 | 18.1 V | 358 | 1996 TC <sub>10</sub> | * 1996 10 08.70269 | 01 54 52.27 | +12 15 03.3 | 16.6 V | 358 |
| 1996 RG <sub>24</sub> | 1996 09 07.71802   | 23 58 29.34 | -00 26 08.7 |        | 358 | 1996 TC <sub>10</sub> | 1996 10 08.73634   | 01 54 50.13 | +12 14 58.7 |        | 358 |
| 1996 RG <sub>24</sub> | 1996 09 10.67580   | 23 56 15.94 | -00 20 32.4 | 18.8 V | 358 | 1996 TC <sub>10</sub> | 1996 10 09.59267   | 01 53 57.52 | +12 13 37.9 | 16.9 V | 358 |
| 1996 RG <sub>24</sub> | 1996 09 10.69381   | 23 56 15.16 | -00 20 29.8 |        | 358 | 1996 TC <sub>10</sub> | 1996 10 09.62737   | 01 53 55.17 | +12 13 32.5 |        | 358 |
| 1996 RH <sub>24</sub> | * 1996 09 10.67855 | 23 57 09.72 | +00 36 03.1 | 18.4 V | 358 | 1996 TD <sub>10</sub> | * 1996 10 08.71516 | 01 54 31.25 | +11 58 22.6 | 17.1 V | 358 |
| 1996 RH <sub>24</sub> | 1996 09 10.69657   | 23 57 08.66 | +00 35 59.9 |        | 358 | 1996 TD <sub>10</sub> | 1996 10 08.73329   | 01 54 30.47 | +11 58 19.9 |        | 358 |
| 1996 RH <sub>24</sub> | 1996 09 11.69611   | 23 56 18.57 | +00 31 11.7 | 17.9 V | 358 | 1996 TD <sub>10</sub> | 1996 10 09.59130   | 01 53 50.96 | +11 55 14.9 | 17.0 V | 358 |
| 1996 RH <sub>24</sub> | 1996 09 11.72098   | 23 56 17.32 | +00 31 04.3 |        | 358 | 1996 TD <sub>10</sub> | 1996 10 09.62601   | 01 53 49.34 | +11 55 07.6 |        | 358 |
| 1996 RJ <sub>24</sub> | * 1996 09 02.64145 | 22 52 40.83 | -01 30 04.6 | 18.2 V | 358 | 1996 TM <sub>14</sub> | * 1996 10 09.58442 | 01 54 42.51 | +09 54 13.4 | 16.7 V | 358 |
| 1996 RJ <sub>24</sub> | 1996 09 02.65806   | 22 52 39.98 | -01 30 08.3 |        | 358 | 1996 TM <sub>14</sub> | 1996 10 09.61915   | 01 54 40.92 | +09 54 03.3 |        | 358 |
| 1996 RJ <sub>24</sub> | 1996 09 03.61256   | 22 51 48.36 | -01 34 28.4 | 18.3 V | 358 | 1996 TM <sub>14</sub> | 1996 10 10.59185   | 01 54 00.18 | +09 48 51.9 | 16.1 V | 358 |
| 1996 RJ <sub>24</sub> | 1996 09 03.63463   | 22 51 47.09 | -01 34 30.4 |        | 358 | 1996 TM <sub>14</sub> | 1996 10 10.61608   | 01 53 59.16 | +09 48 44.8 |        | 358 |
| 1996 RK <sub>24</sub> | * 1996 09 02.69410 | 22 53 12.49 | -02 16 59.7 | 18.5 V | 358 | 1996 TN <sub>14</sub> | * 1996 10 09.58580 | 01 53 40.43 | +10 30 51.8 | 17.5 V | 358 |
| 1996 RK <sub>24</sub> | 1996 09 02.71140   | 22 53 11.62 | -02 17 05.6 |        | 358 | 1996 TN <sub>14</sub> | 1996 10 09.62052   | 01 53 38.45 | +10 30 39.4 |        | 358 |
| 1996 RK <sub>24</sub> | 1996 09 03.61955   | 22 52 22.90 | -02 22 31.7 | 18.1 V | 358 | 1996 TN <sub>14</sub> | 1996 10 10.62043   | 01 52 46.04 | +10 23 20.2 | 16.9 V | 358 |
| 1996 RK <sub>24</sub> | 1996 09 03.64595   | 22 52 21.45 | -02 22 41.0 |        | 358 | 1996 TN <sub>14</sub> | 1996 10 10.65608   | 01 52 43.90 | +10 23 02.7 |        | 358 |
| 1996 RL <sub>24</sub> | * 1996 09 02.72605 | 22 50 38.55 | -06 23 02.5 | 17.5 V | 358 | 1996 TO <sub>14</sub> | * 1996 10 09.59130 | 01 52 53.37 | +11 55 09.0 | 17.6 V | 358 |
| 1996 RL <sub>24</sub> | 1996 09 02.74271   | 22 50 38.14 | -06 23 10.8 |        | 358 | 1996 TO <sub>14</sub> | 1996 10 09.62601   | 01 52 51.72 | +11 55 01.1 |        | 358 |
| 1996 RL <sub>24</sub> | 1996 09 03.66574   | 22 49 56.53 | -06 32 30.1 | 17.9 V | 358 | 1996 TO <sub>14</sub> | 1996 10 10.67748   | 01 51 57.73 | +11 50 51.1 | 17.2 V | 358 |
| 1996 RL <sub>24</sub> | 1996 09 03.68791   | 22 49 55.65 | -06 32 44.7 |        | 358 | 1996 TO <sub>14</sub> | 1996 10 10.71355   | 01 51 55.60 | +11 50 40.6 |        | 358 |
| 1996 SU <sub>4</sub>  | 1996 10 09.70525   | 01 47 44.66 | +11 56 23.2 | 17.5 V | 358 | 1996 TR <sub>14</sub> | * 1996 10 09.63854 | 01 51 17.51 | +10 43 19.8 | 16.8 V | 358 |
| 1996 SU <sub>4</sub>  | 1996 10 09.72740   | 01 47 43.35 | +11 56 16.8 |        | 358 | 1996 TR <sub>14</sub> | 1996 10 09.67885   | 01 51 15.37 | +10 43 15.4 |        | 358 |
| 1996 SU <sub>4</sub>  | 1996 10 10.72874   | 01 46 43.73 | +11 54 00.4 | 17.5 V | 358 | 1996 TR <sub>14</sub> | 1996 10 10.68834   | 01 50 24.97 | +10 40 50.1 | 16.7 V | 358 |
| 1996 SU <sub>4</sub>  | 1996 10 10.75091   | 01 46 42.34 | +11 53 56.3 |        | 358 | 1996 TR <sub>14</sub> | 1996 10 10.70942   | 01 50 23.92 | +10 40 45.4 |        | 358 |
| 1996 SV <sub>4</sub>  | 1996 10 09.64130   | 01 51 20.26 | +11 26 03.8 | 17.0 V | 358 | 1996 TR <sub>14</sub> | 1996 10 13.64410   | 01 47 55.29 | +10 33 30.5 | 16.6 V | 358 |
| 1996 SV <sub>4</sub>  | 1996 10 09.68159   | 01 51 18.09 | +11 25 53.4 |        | 358 | 1996 TR <sub>14</sub> | 1996 10 13.65669   | 01 47 54.70 | +10 33 28.5 |        | 358 |
| 1996 SV <sub>4</sub>  | 1996 10 10.67611   | 01 50 31.44 | +11 22 17.9 | 17.3 V | 358 | 1996 TS <sub>14</sub> | * 1996 10 09.64543 | 01 52 54.35 | +12 57 15.1 | 16.4 V | 358 |
| 1996 SV <sub>4</sub>  | 1996 10 10.71216   | 01 50 29.62 | +11 22 09.5 |        | 358 | 1996 TS <sub>14</sub> | 1996 10 09.68572   | 01 52 52.49 | +12 57 06.4 |        | 358 |
| 1996 SK <sub>6</sub>  | 1996 10 09.58580   | 01 54 18.33 | +10 31 18.2 | 16.8 V | 358 | 1996 TS <sub>14</sub> | 1996 10 10.69659   | 01 52 04.12 | +12 53 21.3 | 17.2 V | 358 |
| 1996 SK <sub>6</sub>  | 1996 10 09.62052   | 01 54 17.00 | +10 31 03.9 |        | 358 | 1996 TS <sub>14</sub> | 1996 10 10.72367   | 01 52 02.83 | +12 53 16.6 |        | 358 |
| 1996 SK <sub>6</sub>  | 1996 10 10.62044   | 01 53 38.87 | +10 23 58.3 | 16.6 V | 358 | 1996 TU <sub>14</sub> | * 1996 10 09.70663 | 01 46 34.86 | +12 03 17.1 | 17.7 V | 358 |
| 1996 SK <sub>6</sub>  | 1996 10 10.65608   | 01 53 37.41 | +10 23 43.4 |        | 358 | 1996 TU <sub>14</sub> | 1996 10 09.71766   | 01 46 34.39 | +12 03 11.6 |        | 358 |
| 1996 SH <sub>7</sub>  | * 1996 09 23.75302 | 02 04 13.08 | +10 58 07.4 | 17.1 V | 358 | 1996 TU <sub>14</sub> | 1996 10 09.72876   | 01 46 33.93 | +12 03 05.2 |        | 358 |
| 1996 SH <sub>7</sub>  | 1996 09 23.78606   | 02 04 11.81 | +10 58 06.6 |        | 358 | 1996 TU <sub>14</sub> | 1996 10 10.72874   | 01 45 51.14 | +11 53 20.3 | 17.3 V | 358 |
| 1996 SH <sub>7</sub>  | 1996 09 24.69976   | 02 03 38.98 | +10 56 45.8 | 17.0 V | 358 | 1996 TV <sub>14</sub> | 1996 10 10.75091   | 01 45 50.21 | +11 53 08.7 |        | 358 |
| 1996 SH <sub>7</sub>  | 1996 09 24.75115   | 02 03 36.97 | +10 56 40.9 |        | 358 | 1996 TV <sub>14</sub> | * 1996 10 09.70801 | 01 45 48.60 | +12 37 59.8 | 18.0 V | 358 |
| 1996 SJ <sub>7</sub>  | * 1996 09 23.75440 | 02 04 05.36 | +11 37 54.6 | 18.2 V | 358 | 1996 TV <sub>14</sub> | 1996 10 09.73014   | 01 45 47.37 | +12 37 55.3 |        | 358 |
| 1996 SJ <sub>7</sub>  | 1996 09 23.78757   | 02 04 04.21 | +11 37 52.1 |        | 358 | 1996 TV <sub>14</sub> | 1996 10 10.73148   | 01 44 58.73 | +12 33 51.6 | 17.7 V | 358 |
| 1996 SJ <sub>7</sub>  | 1996 09 24.67737   | 02 03 34.12 | +11 35 48.3 |        | 358 | 1996 TV <sub>14</sub> | 1996 10 10.75367   | 01 44 57.57 | +12 33 45.1 |        | 358 |
| 1996 SJ <sub>7</sub>  | 1996 09 24.70254   | 02 03 33.24 | +11 35 45.9 | 17.9 V | 358 | 1996 TW <sub>14</sub> | * 1996 10 09.71075 | 01 46 27.21 | +13 25 33.1 | 17.4 V | 358 |

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 1996 TW<sub>14</sub> 1996 10 10.73422 01 45 32.23 +13 22 50.2 17.4 V 358  
 1996 TW<sub>14</sub> 1996 10 10.75644 01 45 31.13 +13 22 47.0 358

**360 Kuma Kogen Astronomical Observatory**

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0.60-m  $f/6.0$  Ritchey-Chrétien + CCD

GSC

1989 RS<sub>1</sub> 1996 10 04.61962 23 53 16.14 -11 19 18.7 360  
 1989 RS<sub>1</sub> 1996 10 04.62274 23 53 16.65 -11 19 21.3 360  
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 1994 JE<sub>1</sub> 1996 10 10.67743 04 12 00.24 +17 57 27.0 18.3 V 360  
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 1995 OX 1996 10 10.58533 00 31 37.74 +32 40 32.5 20.2 V 360  
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 1996 TJ<sub>7</sub> 1996 10 10.63628 02 36 15.83 +13 25 53.3 360  
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 1996 TK<sub>7</sub> 1996 10 19.64063 02 30 13.28 +12 55 50.4 360  
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 1996 TA<sub>9</sub> 1996 10 16.66024 01 44 33.59 +13 06 45.5 360

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| 1996 TD <sub>9</sub>  | 1996 10 16.63941   | 01 35 59.05 | +12 28 57.2 |        | 360 |
| 1996 TD <sub>9</sub>  | 1996 10 16.64340   | 01 35 58.65 | +12 28 41.3 |        | 360 |
| 1996 TE <sub>9</sub>  | 1996 10 16.54340   | 23 04 54.53 | -01 04 43.8 | 17.7 V | 360 |
| 1996 TE <sub>9</sub>  | 1996 10 16.54670   | 23 04 54.18 | -01 04 26.8 |        | 360 |
| 1996 TE <sub>9</sub>  | 1996 10 16.54965   | 23 04 53.87 | -01 04 12.0 |        | 360 |
| 1996 TF <sub>12</sub> | * 1996 10 11.48342 | 00 30 28.74 | +32 38 31.8 | 18.2 V | 360 |
| 1996 TF <sub>12</sub> | 1996 10 11.49401   | 00 30 28.25 | +32 38 26.0 |        | 360 |
| 1996 TF <sub>12</sub> | 1996 10 11.50530   | 00 30 27.71 | +32 38 20.3 |        | 360 |
| 1996 TF <sub>12</sub> | 1996 10 16.58750   | 00 26 54.61 | +31 50 00.3 | 18.3 V | 360 |
| 1996 TF <sub>12</sub> | 1996 10 16.59323   | 00 26 54.35 | +31 49 57.0 |        | 360 |
| 1996 TF <sub>12</sub> | 1996 10 16.59722   | 00 26 54.18 | +31 49 54.7 |        | 360 |
| 1996 TF <sub>12</sub> | 1996 10 19.57292   | 00 25 02.13 | +31 19 04.5 |        | 360 |
| 1996 TF <sub>12</sub> | 1996 10 19.57969   | 00 25 01.85 | +31 19 00.2 |        | 360 |
| 1996 TF <sub>12</sub> | 1996 10 19.59340   | 00 25 01.35 | +31 18 51.6 |        | 360 |
| 1996 UC               | * 1996 10 16.61840 | 00 41 56.76 | -00 53 45.5 | 16.3 V | 360 |
| 1996 UC               | 1996 10 16.62240   | 00 41 56.59 | -00 53 46.2 |        | 360 |
| 1996 UC               | 1996 10 17.47535   | 00 41 23.07 | -00 56 21.8 |        | 360 |
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| 1996 UC               | 1996 10 17.48403   | 00 41 22.71 | -00 56 23.4 |        | 360 |
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| 1996 UC               | 1996 10 19.56215   | 00 40 02.72 | -01 02 16.9 |        | 360 |
| 1996 UC               | 1996 10 19.56667   | 00 40 02.55 | -01 02 17.7 |        | 360 |
| 1996 UL               | 1996 10 19.60521   | 00 56 25.57 | +06 47 14.0 |        | 360 |
| 1996 UL               | 1996 10 19.60903   | 00 56 25.32 | +06 47 15.4 |        | 360 |
| 1996 UL               | 1996 10 19.62049   | 00 56 24.53 | +06 47 20.0 |        | 360 |
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| (1324)                | 1996 10 10.69306   | 02 22 49.03 | +22 19 30.1 |        | 360 |
| (1324)                | 1996 10 16.68976   | 02 16 33.96 | +21 56 53.1 |        | 360 |
| (1324)                | 1996 10 16.69444   | 02 16 33.65 | +21 56 51.9 |        | 360 |
| (1634)                | 1996 10 10.70069   | 02 27 30.73 | +02 10 20.5 | 15.9 V | 360 |
| (1634)                | 1996 10 10.70521   | 02 27 30.46 | +02 10 19.3 |        | 360 |
| (2339)                | 1996 10 04.55538   | 22 23 41.77 | -13 23 17.6 | 16.5 V | 360 |
| (2339)                | 1996 10 04.58299   | 22 23 41.30 | -13 23 12.3 |        | 360 |
| (2339)                | 1996 10 04.58750   | 22 23 41.22 | -13 23 11.5 |        | 360 |
| (2435)                | 1996 10 16.61840   | 00 41 41.14 | -00 53 37.7 | 16.3 V | 360 |
| (2435)                | 1996 10 16.62240   | 00 41 40.98 | -00 53 39.2 |        | 360 |
| (2435)                | 1996 10 17.47535   | 00 41 08.72 | -00 59 04.8 |        | 360 |
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| (3531)                | 1996 10 10.71128   | 02 44 19.07 | +08 39 09.5 | 16.8 V | 360 |
| (3531)                | 1996 10 10.71719   | 02 44 18.85 | +08 39 06.2 |        | 360 |
| (4197)                | 1996 10 04.65694   | 02 11 24.04 | +20 23 28.6 | 14.1 V | 360 |
| (4197)                | 1996 10 04.66007   | 02 11 23.88 | +20 23 36.8 |        | 360 |
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| (5143)                | 1996 10 10.66563   | 02 14 54.70 | +31 01 59.7 |        | 360 |
| (5626)                | 1996 10 09.46615   | 20 33 38.02 | -18 06 20.1 | 16.0 V | 360 |
| (5626)                | 1996 10 09.46910   | 20 33 38.21 | -18 06 20.5 |        | 360 |

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 0.26-m  $f/6.0$  reflector + CCD  
 GSC

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1991 XC <sub>1</sub>  | 1996 10 05.56041   | 00 33 51.24 | -11 13 02.7 | 15.6 V | 367 |
| 1991 XC <sub>1</sub>  | 1996 10 05.56457   | 00 33 51.04 | -11 13 03.6 |        | 367 |
| 1991 XC <sub>1</sub>  | 1996 10 14.53473   | 00 27 17.06 | -11 30 32.9 | 16.2 V | 367 |
| 1991 XC <sub>1</sub>  | 1996 10 14.54167   | 00 27 16.77 | -11 30 33.3 |        | 367 |
| 1992 AK <sub>1</sub>  | 1996 10 05.58089   | 02 08 45.42 | +08 22 10.5 | 16.2 V | 367 |
| 1992 AK <sub>1</sub>  | 1996 10 05.58784   | 02 08 45.14 | +08 22 09.2 |        | 367 |
| 1992 AK <sub>1</sub>  | 1996 10 09.53264   | 02 06 11.51 | +08 07 23.2 | 15.8 V | 367 |
| 1992 AK <sub>1</sub>  | 1996 10 09.56053   | 02 06 10.37 | +08 07 17.0 |        | 367 |
| 1992 AK <sub>1</sub>  | 1996 10 11.58157   | 02 04 46.56 | +07 59 30.8 | 16.4 V | 367 |
| 1992 AK <sub>1</sub>  | 1996 10 11.58801   | 02 04 46.27 | +07 59 29.2 |        | 367 |
| 1992 UZ               | 1996 10 05.55172   | 23 59 51.63 | -25 21 28.1 | 15.6 V | 367 |
| 1992 UZ               | 1996 10 05.55589   | 23 59 51.43 | -25 21 26.0 |        | 367 |
| 1992 UZ               | 1996 10 14.52328   | 23 53 42.94 | -23 48 20.3 | 16.3 V | 367 |
| 1992 UZ               | 1996 10 14.53021   | 23 53 42.69 | -23 48 15.4 |        | 367 |
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| 1992 WR <sub>3</sub>  | 1996 10 05.59685   | 02 07 49.84 | -09 10 18.3 |        | 367 |
| 1992 WR <sub>3</sub>  | 1996 10 14.55035   | 02 00 21.66 | -09 51 26.5 | 16.9 V | 367 |
| 1992 WR <sub>3</sub>  | 1996 10 14.55729   | 02 00 21.29 | -09 51 28.3 |        | 367 |
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| 1992 YV <sub>2</sub>  | 1996 10 05.57642   | 02 13 22.02 | +30 15 36.9 |        | 367 |
| 1992 YV <sub>2</sub>  | 1996 10 14.56215   | 02 06 53.12 | +29 42 11.9 | 16.0 V | 367 |
| 1992 YV <sub>2</sub>  | 1996 10 14.56910   | 02 06 52.76 | +29 42 09.8 |        | 367 |
| 1996 TG <sub>5</sub>  | * 1996 10 05.58089 | 02 09 11.86 | +08 21 14.4 | 16.5 V | 367 |
| 1996 TG <sub>5</sub>  | 1996 10 05.58784   | 02 09 11.53 | +08 21 12.6 |        | 367 |
| 1996 TG <sub>5</sub>  | 1996 10 09.53264   | 02 05 58.52 | +08 04 27.2 | 16.7 V | 367 |
| 1996 TG <sub>5</sub>  | 1996 10 09.56053   | 02 05 57.03 | +08 04 19.8 |        | 367 |
| 1996 TG <sub>5</sub>  | 1996 10 11.58157   | 02 04 09.49 | +07 55 24.0 | 16.5 V | 367 |
| 1996 TG <sub>5</sub>  | 1996 10 11.58801   | 02 04 09.10 | +07 55 22.5 |        | 367 |
| 1996 TY <sub>7</sub>  | * 1996 10 11.58157 | 02 04 50.11 | +08 00 45.2 | 16.8 V | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 11.58801   | 02 04 49.77 | +08 00 46.4 |        | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 12.70383   | 02 03 53.52 | +08 01 55.8 | 16.9 V | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 12.71076   | 02 03 53.14 | +08 01 56.1 |        | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 13.54479   | 02 03 10.89 | +08 02 48.8 | 16.9 V | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 13.55174   | 02 03 10.50 | +08 02 49.6 |        | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 14.57361   | 02 02 17.11 | +08 03 53.9 | 16.9 V | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 14.58056   | 02 02 16.73 | +08 03 54.6 |        | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 16.58229   | 02 00 29.43 | +08 06 02.6 | 16.7 V | 367 |
| 1996 TY <sub>7</sub>  | 1996 10 16.58646   | 02 00 29.20 | +08 06 03.0 |        | 367 |
| 1996 TP <sub>9</sub>  | * 1996 10 14.55035 | 02 00 44.51 | -09 59 06.3 | 17.9 V | 367 |
| 1996 TP <sub>9</sub>  | 1996 10 14.55729   | 02 00 44.10 | -09 59 08.3 |        | 367 |
| 1996 TP <sub>9</sub>  | 1996 10 15.55208   | 01 59 51.02 | -10 03 57.6 | 18.0 V | 367 |
| 1996 TP <sub>9</sub>  | 1996 10 15.55833   | 01 59 50.66 | -10 03 59.3 |        | 367 |
| 1996 TP <sub>9</sub>  | 1996 10 16.59340   | 01 58 54.99 | -10 08 46.6 | 18.4 V | 367 |
| 1996 TP <sub>9</sub>  | 1996 10 16.59757   | 01 58 54.85 | -10 08 47.8 |        | 367 |
| 1996 TE <sub>11</sub> | 1996 10 16.60278   | 03 47 17.47 | -20 12 56.5 | 17.1 V | 367 |
| 1996 TE <sub>11</sub> | 1996 10 16.60625   | 03 47 17.70 | -20 13 05.7 |        | 367 |
| 1996 TE <sub>11</sub> | 1996 10 16.60972   | 03 47 17.90 | -20 13 14.7 |        | 367 |
| (2339)                | 1996 10 05.52916   | 22 23 28.53 | -13 20 09.9 | 16.9 V | 367 |
| (2339)                | 1996 10 05.54564   | 22 23 28.28 | -13 20 06.5 |        | 367 |

**381 Kiso**

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 [davidas@cc.nao.ac.jp]

Observers S. Isobe, Y. Asakura, D. J. Asher

Measurers Y. Asakura, D. J. Asher

1.05-m  $f/3.1$  Schmidt + CCD

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1989 UQ | 1996 09 18.53523 | 03 08 49.40 | +16 51 47.7 | 18.1 V | 381 |
| 1989 UQ | 1996 09 18.61529 | 03 08 44.01 | +16 51 04.2 | 18.0 V | 381 |
| 1989 UQ | 1996 09 18.66875 | 03 08 40.12 | +16 50 34.9 | 18.0 V | 381 |
| 1989 UQ | 1996 09 18.77742 | 03 08 31.81 | +16 49 31.7 | 17.9 V | 381 |
| 1989 UQ | 1996 09 19.53208 | 03 07 44.65 | +16 41 41.6 | 17.8 R | 381 |
| 1989 UQ | 1996 09 19.55696 | 03 07 42.81 | +16 41 28.1 | 18.0 R | 381 |
| 1989 UQ | 1996 09 19.58654 | 03 07 40.62 | +16 41 11.3 | 18.0 R | 381 |
| 1989 UQ | 1996 09 19.60909 | 03 07 38.89 | +16 40 58.1 | 18.0 R | 381 |
| (4197)  | 1996 09 16.60522 | 02 12 03.53 | +12 45 19.5 | 16.2 V | 381 |
| (4197)  | 1996 09 16.61280 | 02 12 03.67 | +12 45 26.5 | 16.2 V | 381 |
| (4197)  | 1996 09 16.62043 | 02 12 03.80 | +12 45 33.5 | 16.2 V | 381 |
| (6338)  | 1996 09 18.41964 | 16 44 45.38 | -27 07 31.8 | 18.2 V | 381 |
| (6338)  | 1996 09 18.42208 | 16 44 45.52 | -27 07 32.4 | 18.2 V | 381 |
| (6338)  | 1996 09 18.42444 | 16 44 45.67 | -27 07 33.6 | 18.3 V | 381 |
| (6338)  | 1996 09 18.42645 | 16 44 45.85 | -27 07 33.7 | 18.0 V | 381 |
| (6338)  | 1996 09 18.42851 | 16 44 45.95 | -27 07 34.1 | 18.1 V | 381 |
| (7152)  | 1996 09 19.45203 | 22 29 28.45 | -12 57 50.6 | 16.8 V | 381 |
| (7152)  | 1996 09 19.45676 | 22 29 28.32 | -12 57 51.1 | 16.5 V | 381 |
| (7152)  | 1996 09 19.46384 | 22 29 28.14 | -12 57 52.2 | 16.6 V | 381 |

**385 Nihondaira Observatory**

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

0.31-m  $f/4.7$  reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1990 FG              | 1996 10 04.56013 | 22 34 20.42 | -11 53 53.2 | 15.8 V | 385 |
| 1990 FG              | 1996 10 04.56648 | 22 34 19.95 | -11 53 47.1 |        | 385 |
| 1990 FG              | 1996 10 04.56956 | 22 34 19.74 | -11 53 44.0 |        | 385 |
| 1992 UZ              | 1996 10 15.54877 | 23 53 09.64 | -23 35 59.6 | 16 V   | 385 |
| 1992 UZ              | 1996 10 15.55587 | 23 53 09.34 | -23 35 54.4 |        | 385 |
| 1992 UZ              | 1996 10 15.55939 | 23 53 09.28 | -23 35 51.5 |        | 385 |
| 1992 YV <sub>2</sub> | 1996 10 11.71045 | 02 09 05.65 | +29 55 17.8 | 16 V   | 385 |
| 1992 YV <sub>2</sub> | 1996 10 11.71610 | 02 09 05.37 | +29 55 16.2 |        | 385 |
| 1992 YV <sub>2</sub> | 1996 10 11.72169 | 02 09 05.03 | +29 55 13.6 |        | 385 |
| 1992 YV <sub>2</sub> | 1996 10 15.61653 | 02 06 02.00 | +29 36 46.4 | 16 V   | 385 |
| 1992 YV <sub>2</sub> | 1996 10 15.62005 | 02 06 01.84 | +29 36 45.5 |        | 385 |
| 1992 YV <sub>2</sub> | 1996 10 15.62358 | 02 06 01.66 | +29 36 44.3 |        | 385 |
| 1993 UN              | 1996 10 16.50221 | 22 15 31.29 | -11 39 58.0 | 17 V   | 385 |
| 1993 UN              | 1996 10 16.50908 | 22 15 31.51 | -11 39 57.2 |        | 385 |
| 1993 UN              | 1996 10 16.51580 | 22 15 31.59 | -11 39 56.0 |        | 385 |
| 1994 AL <sub>3</sub> | 1996 10 11.72598 | 02 13 33.53 | +09 27 18.5 | 16.5 V | 385 |
| 1994 AL <sub>3</sub> | 1996 10 11.73426 | 02 13 33.13 | +09 27 14.0 |        | 385 |
| 1994 AL <sub>3</sub> | 1996 10 11.73708 | 02 13 33.01 | +09 27 12.4 |        | 385 |
| 1994 AL <sub>3</sub> | 1996 10 15.62888 | 02 10 19.63 | +08 55 25.5 | 16.5 V | 385 |
| 1994 AL <sub>3</sub> | 1996 10 15.63242 | 02 10 19.39 | +08 55 23.8 |        | 385 |
| 1994 AL <sub>3</sub> | 1996 10 15.63596 | 02 10 19.25 | +08 55 21.4 |        | 385 |
| 1994 BY              | 1996 10 11.75277 | 04 28 11.34 | +23 33 02.4 | 17 V   | 385 |
| 1994 BY              | 1996 10 11.76137 | 04 28 11.22 | +23 33 04.0 |        | 385 |
| 1994 BY              | 1996 10 11.76564 | 04 28 11.26 | +23 33 04.9 |        | 385 |
| 1994 BY              | 1996 10 17.58979 | 04 27 18.77 | +23 49 55.6 | 17.5 V | 385 |

1994 BY

1994 BY

1994 EG<sub>1</sub>1994 EG<sub>1</sub>1994 EG<sub>1</sub>1994 GT<sub>9</sub>1994 GT<sub>9</sub>1994 GT<sub>9</sub>1994 GT<sub>9</sub>1994 GT<sub>9</sub>1994 GT<sub>9</sub>

1995 FK

1995 FK

1995 FK

1996 PW<sub>6</sub>1996 PW<sub>6</sub>1996 PW<sub>6</sub>1996 PW<sub>6</sub>1996 QG<sub>1</sub>1996 QG<sub>1</sub>1996 QG<sub>1</sub>1996 QG<sub>1</sub>1996 QG<sub>1</sub>1996 QG<sub>1</sub>1996 QP<sub>1</sub>1996 QP<sub>1</sub>1996 QP<sub>1</sub>1996 TF<sub>7</sub>1996 TF<sub>7</sub>1996 TF<sub>7</sub>1996 TF<sub>7</sub>1996 TF<sub>7</sub>1996 TF<sub>7</sub>1996 TG<sub>7</sub>1996 TG<sub>7</sub>1996 TG<sub>7</sub>1996 TG<sub>7</sub>1996 TG<sub>7</sub>1996 TH<sub>7</sub>1996 TH<sub>7</sub>1996 TH<sub>7</sub>1996 TH<sub>7</sub>1996 TH<sub>7</sub>1996 TO<sub>11</sub>1996 TO<sub>11</sub>1996 TO<sub>11</sub>1996 TO<sub>11</sub>1996 TO<sub>11</sub>1996 TO<sub>11</sub>1996 TO<sub>11</sub>

|                    |             |             |        |     |
|--------------------|-------------|-------------|--------|-----|
| 1996 10 17.59664   | 04 27 18.66 | +23 49 56.1 |        | 385 |
| 1996 10 17.60329   | 04 27 18.57 | +23 49 57.5 |        | 385 |
| 1996 10 15.53494   | 23 30 56.77 | -08 33 34.1 | 17 V   | 385 |
| 1996 10 15.53922   | 23 30 56.71 | -08 33 36.8 |        | 385 |
| 1996 10 15.54345   | 23 30 56.55 | -08 33 37.2 |        | 385 |
| 1996 10 11.74178   | 02 38 53.54 | +13 39 39.2 | 16 V   | 385 |
| 1996 10 11.74468   | 02 38 53.41 | +13 39 38.8 |        | 385 |
| 1996 10 11.74758   | 02 38 53.26 | +13 39 38.5 |        | 385 |
| 1996 10 15.64579   | 02 35 48.08 | +13 32 44.3 | 16 V   | 385 |
| 1996 10 15.65001   | 02 35 47.88 | +13 32 43.8 |        | 385 |
| 1996 10 15.65419   | 02 35 47.66 | +13 32 43.1 |        | 385 |
| 1996 10 15.60235   | 00 20 09.49 | +00 42 44.1 | 17 V   | 385 |
| 1996 10 15.60668   | 00 20 09.31 | +00 42 43.0 |        | 385 |
| 1996 10 15.61101   | 00 20 09.02 | +00 42 41.1 |        | 385 |
| 1996 10 15.46862   | 22 11 11.56 | -10 29 11.5 | 17 V   | 385 |
| 1996 10 15.47715   | 22 11 11.73 | -10 29 11.8 |        | 385 |
| 1996 10 15.48142   | 22 11 11.77 | -10 29 10.5 |        | 385 |
| 1996 10 15.48576   | 22 11 11.73 | -10 29 09.7 |        | 385 |
| 1996 10 15.49569   | 22 15 23.40 | -11 36 05.1 | 18 V   | 385 |
| 1996 10 15.50469   | 22 15 23.46 | -11 36 04.7 |        | 385 |
| 1996 10 15.51339   | 22 15 23.72 | -11 36 01.7 |        | 385 |
| 1996 10 16.50221   | 22 15 46.11 | -11 34 14.5 | 17.5 V | 385 |
| 1996 10 16.50908   | 22 15 46.26 | -11 34 13.2 |        | 385 |
| 1996 10 16.51580   | 22 15 46.35 | -11 34 13.0 |        | 385 |
| 1996 10 16.47241   | 22 21 44.96 | -11 29 35.6 | 17.5 V | 385 |
| 1996 10 16.48236   | 22 21 45.23 | -11 29 35.3 |        | 385 |
| 1996 10 16.49215   | 22 21 45.52 | -11 29 34.3 |        | 385 |
| 1996 10 11.67764   | 00 21 00.74 | +02 00 02.9 | 15.5 V | 385 |
| 1996 10 11.68341   | 00 21 00.51 | +02 00 00.1 |        | 385 |
| 1996 10 11.68618   | 00 21 00.40 | +01 59 58.5 |        | 385 |
| 1996 10 15.57608   | 00 18 38.14 | +01 28 54.7 | 15.5 V | 385 |
| 1996 10 15.57956   | 00 18 38.03 | +01 28 53.0 |        | 385 |
| 1996 10 15.58307   | 00 18 37.92 | +01 28 51.6 |        | 385 |
| 1996 10 11.69019   | 00 20 11.19 | +00 44 16.5 | 16 V   | 385 |
| 1996 10 11.69303   | 00 20 11.02 | +00 44 15.7 |        | 385 |
| 1996 10 11.69581   | 00 20 10.86 | +00 44 15.5 |        | 385 |
| 1996 10 15.56428   | 00 17 14.35 | +00 33 52.0 | 16.5 V | 385 |
| 1996 10 15.56788   | 00 17 14.28 | +00 33 51.2 |        | 385 |
| 1996 10 15.57140   | 00 17 14.09 | +00 33 50.7 |        | 385 |
| 1996 10 11.69986   | 00 23 53.54 | +01 41 34.1 | 16.5 V | 385 |
| 1996 10 11.70270   | 00 23 53.45 | +01 41 34.1 |        | 385 |
| 1996 10 11.70594   | 00 23 53.23 | +01 41 32.9 |        | 385 |
| 1996 10 15.58830   | 00 20 51.81 | +01 27 29.8 | 16.5 V | 385 |
| 1996 10 15.59255   | 00 20 51.56 | +01 27 29.0 |        | 385 |
| 1996 10 15.59683   | 00 20 51.38 | +01 27 27.8 |        | 385 |
| * 1996 10 11.74178 | 02 39 22.18 | +13 37 39.7 | 17 V   | 385 |
| 1996 10 11.74468   | 02 39 22.06 | +13 37 40.9 |        | 385 |
| 1996 10 11.74758   | 02 39 21.85 | +13 37 42.9 |        | 385 |
| 1996 10 15.65972   | 02 35 59.05 | +14 15 37.1 | 17 V   | 385 |
| 1996 10 15.66395   | 02 35 58.78 | +14 15 39.7 |        | 385 |
| 1996 10 15.66810   | 02 35 58.53 | +14 15 41.0 |        | 385 |
| 1996 10 17.54633   | 02 34 11.18 | +14 33 15.3 | 17.5 V | 385 |

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TO <sub>11</sub> | 1996 10 17.55318   | 02 34 10.82 | +14 33 19.4 |        | 385 |
| 1996 TO <sub>11</sub> | 1996 10 17.56010   | 02 34 10.36 | +14 33 23.0 |        | 385 |
| 1996 TO <sub>11</sub> | 1996 10 19.60659   | 02 32 06.15 | +14 52 02.9 | 17.5 V | 385 |
| 1996 TO <sub>11</sub> | 1996 10 19.61507   | 02 32 05.57 | +14 52 07.1 |        | 385 |
| 1996 TO <sub>11</sub> | 1996 10 19.61927   | 02 32 05.26 | +14 52 09.8 |        | 385 |
| 1996 TH <sub>12</sub> | 1996 10 17.51846   | 02 33 29.26 | +12 25 22.6 | 15.5 V | 385 |
| 1996 TH <sub>12</sub> | 1996 10 17.52200   | 02 33 29.06 | +12 25 23.6 |        | 385 |
| 1996 TH <sub>12</sub> | 1996 10 17.52550   | 02 33 28.82 | +12 25 23.8 |        | 385 |
| 1996 TJ <sub>12</sub> | 1996 10 17.53133   | 02 34 16.48 | +13 58 01.2 | 16.5 V | 385 |
| 1996 TJ <sub>12</sub> | 1996 10 17.53478   | 02 34 16.28 | +13 58 00.8 |        | 385 |
| 1996 TJ <sub>12</sub> | 1996 10 17.53822   | 02 34 16.14 | +13 58 01.1 |        | 385 |
| 1996 TK <sub>12</sub> | 1996 10 17.49019   | 02 23 46.25 | +14 38 14.9 | 16.5 V | 385 |
| 1996 TK <sub>12</sub> | 1996 10 17.49731   | 02 23 45.86 | +14 38 13.8 |        | 385 |
| 1996 TK <sub>12</sub> | 1996 10 17.50081   | 02 23 45.64 | +14 38 13.2 |        | 385 |
| 1996 TL <sub>12</sub> | 1996 10 17.50612   | 02 25 49.38 | +12 51 36.5 | 15 V   | 385 |
| 1996 TL <sub>12</sub> | 1996 10 17.50959   | 02 25 49.16 | +12 51 36.9 |        | 385 |
| 1996 TL <sub>12</sub> | 1996 10 17.51323   | 02 25 48.91 | +12 51 37.3 |        | 385 |
| 1996 TM <sub>12</sub> | * 1996 10 15.64579 | 02 36 11.10 | +13 28 18.7 | 17.5 V | 385 |
| 1996 TM <sub>12</sub> | 1996 10 15.65001   | 02 36 11.02 | +13 28 16.9 |        | 385 |
| 1996 TM <sub>12</sub> | 1996 10 15.65419   | 02 36 10.67 | +13 28 14.1 |        | 385 |
| 1996 TM <sub>12</sub> | 1996 10 17.56810   | 02 34 59.01 | +13 09 27.2 | 17.5 V | 385 |
| 1996 TM <sub>12</sub> | 1996 10 17.57491   | 02 34 58.62 | +13 09 23.9 |        | 385 |
| 1996 TM <sub>12</sub> | 1996 10 17.58163   | 02 34 58.36 | +13 09 19.4 |        | 385 |
| 1996 UK               | 1996 10 19.56550   | 02 11 17.99 | +13 39 43.7 | 16.5 V | 385 |
| 1996 UK               | 1996 10 19.57263   | 02 11 17.79 | +13 39 35.9 |        | 385 |
| 1996 UK               | 1996 10 19.57744   | 02 11 17.63 | +13 39 29.9 |        | 385 |
| 1996 UR               | 1996 10 19.58229   | 01 57 57.91 | +09 15 40.3 | 16 V   | 385 |
| 1996 UR               | 1996 10 19.58582   | 01 57 57.73 | +09 15 38.6 |        | 385 |
| 1996 UR               | 1996 10 19.58927   | 01 57 57.59 | +09 15 36.9 |        | 385 |
| 1996 US               | 1996 10 19.59411   | 02 09 09.76 | +14 57 40.2 | 16 V   | 385 |
| 1996 US               | 1996 10 19.59760   | 02 09 09.56 | +14 57 39.8 |        | 385 |
| 1996 US               | 1996 10 19.60115   | 02 09 09.34 | +14 57 39.8 |        | 385 |
| 1996 UT               | 1996 10 19.62392   | 02 38 49.95 | +13 39 46.2 | 15.5 V | 385 |
| 1996 UT               | 1996 10 19.62957   | 02 38 49.71 | +13 39 44.7 |        | 385 |
| 1996 UT               | 1996 10 19.63230   | 02 38 49.57 | +13 39 44.3 |        | 385 |
| 1996 UU               | 1996 10 19.63667   | 02 41 33.74 | +13 31 09.0 | 15.8 V | 385 |
| 1996 UU               | 1996 10 19.64020   | 02 41 33.59 | +13 31 06.7 |        | 385 |
| 1996 UU               | 1996 10 19.64362   | 02 41 33.45 | +13 31 04.4 |        | 385 |
| (124)                 | 1996 10 11.67764   | 00 20 32.48 | +02 03 14.4 | 11.8 V | 385 |
| (124)                 | 1996 10 11.68341   | 00 20 32.20 | +02 03 12.3 |        | 385 |
| (124)                 | 1996 10 11.68618   | 00 20 32.07 | +02 03 11.4 |        | 385 |
| (1332)                | 1996 10 11.67764   | 00 21 18.35 | +02 02 06.5 | 14.1 V | 385 |
| (1332)                | 1996 10 11.68341   | 00 21 18.04 | +02 02 05.4 |        | 385 |
| (1332)                | 1996 10 11.68618   | 00 21 17.94 | +02 02 04.8 |        | 385 |
| (2795)                | 1996 10 19.56550   | 02 11 02.68 | +13 37 31.3 | 16 V   | 385 |
| (2795)                | 1996 10 19.57263   | 02 11 02.28 | +13 37 28.0 |        | 385 |
| (2795)                | 1996 10 19.57744   | 02 11 01.98 | +13 37 25.7 |        | 385 |

**392 JCPM Sapporo Station**

K. Watanabe, 3-8-B203, Ashibetsu Chuo 3 Jo 4 Chome, Shiroishi-Ku, Sapporo 005,  
Japan

0.30-m  $f/2.7$  Schmidt camera  
AGK3, SAOC

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 QV <sub>1</sub> | * 1996 08 18.59940 | 22 21 37.45 | -06 45 10.5 | 15.4 V | 392 |
| 1996 QV <sub>1</sub> | 1996 08 18.60186   | 22 21 37.37 | -06 45 12.0 |        | 392 |
| 1996 QV <sub>1</sub> | 1996 08 18.61881   | 22 21 36.67 | -06 45 23.8 |        | 392 |
| 1996 QV <sub>1</sub> | 1996 08 19.52676   | 22 21 04.69 | -06 55 41.7 | 15.1 V | 392 |
| 1996 QV <sub>1</sub> | 1996 08 19.54633   | 22 21 03.92 | -06 55 55.3 |        | 392 |

**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

|                      |                    |             |             |      |     |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1991 RQ <sub>7</sub> | 1996 08 24.66806   | 22 12 06.20 | -02 12 08.0 | 16   | 399 |
| 1991 RQ <sub>7</sub> | 1996 08 24.68229   | 22 12 05.34 | -02 12 06.5 |      | 399 |
| 1991 RQ <sub>7</sub> | 1996 08 25.65729   | 22 11 14.10 | -02 11 11.1 | 15.5 | 399 |
| 1991 RQ <sub>7</sub> | 1996 08 25.67222   | 22 11 13.16 | -02 11 11.0 |      | 399 |
| 1991 RQ <sub>7</sub> | 1996 09 07.43854   | 22 00 46.19 | -02 07 12.1 | 16.5 | 399 |
| 1991 RQ <sub>7</sub> | 1996 09 07.45278   | 22 00 45.44 | -02 07 11.3 |      | 399 |
| 1991 SG <sub>1</sub> | 1996 09 07.51771   | 23 25 11.10 | -06 25 01.2 | 16.7 | 399 |
| 1992 SG <sub>1</sub> | 1996 09 07.53194   | 23 25 10.47 | -06 25 15.7 |      | 399 |
| 1992 UQ              | 1996 10 09.61927   | 01 49 42.43 | +07 22 26.3 | 16.5 | 399 |
| 1992 UQ              | 1996 10 09.64028   | 01 49 41.27 | +07 22 18.5 |      | 399 |
| 1992 UQ              | 1996 10 10.65868   | 01 48 48.65 | +07 15 17.6 | 16.6 | 399 |
| 1992 UQ              | 1996 10 10.67292   | 01 48 48.03 | +07 15 11.9 |      | 399 |
| 1992 UO <sub>3</sub> | 1996 10 09.61927   | 01 52 15.50 | +08 50 44.9 | 16.2 | 399 |
| 1992 UO <sub>3</sub> | 1996 10 09.64028   | 01 52 14.27 | +08 50 46.7 |      | 399 |
| 1992 UO <sub>3</sub> | 1996 10 10.65868   | 01 51 08.16 | +08 51 52.6 | 16.6 | 399 |
| 1992 UO <sub>3</sub> | 1996 10 10.67292   | 01 51 07.18 | +08 51 54.6 |      | 399 |
| 1992 WR <sub>2</sub> | 1996 08 24.70314   | 23 26 55.40 | -08 38 57.2 | 16.8 | 399 |
| 1992 WR <sub>2</sub> | 1996 08 24.71736   | 23 26 54.74 | -08 39 00.3 |      | 399 |
| 1992 WR <sub>2</sub> | 1996 08 25.69375   | 23 26 13.73 | -08 43 49.8 | 16.8 | 399 |
| 1992 WR <sub>2</sub> | 1996 08 25.70833   | 23 26 13.20 | -08 43 52.4 |      | 399 |
| 1992 WR <sub>2</sub> | 1996 09 07.51771   | 23 16 25.13 | -09 47 48.5 | 16.8 | 399 |
| 1992 WR <sub>2</sub> | 1996 09 07.53194   | 23 16 24.34 | -09 47 53.2 |      | 399 |
| 1996 QW <sub>1</sub> | * 1996 08 24.66806 | 22 05 32.15 | -01 38 24.1 | 15.5 | 399 |
| 1996 QW <sub>1</sub> | 1996 08 24.68229   | 22 05 31.39 | -01 38 25.2 |      | 399 |
| 1996 QW <sub>1</sub> | 1996 08 25.65729   | 22 04 41.90 | -01 39 53.5 | 15.5 | 399 |
| 1996 QW <sub>1</sub> | 1996 08 25.67222   | 22 04 41.07 | -01 39 53.9 |      | 399 |
| 1996 QX <sub>1</sub> | * 1996 08 24.66806 | 22 12 20.98 | -03 10 35.2 | 16.8 | 399 |
| 1996 QX <sub>1</sub> | 1996 08 24.68229   | 22 12 20.21 | -03 10 36.2 |      | 399 |
| 1996 QX <sub>1</sub> | 1996 08 25.65729   | 22 11 21.19 | -03 10 14.8 | 16.7 | 399 |
| 1996 QX <sub>1</sub> | 1996 08 25.67222   | 22 11 20.17 | -03 10 13.1 |      | 399 |
| 1996 QY <sub>1</sub> | * 1996 08 24.66806 | 22 17 08.31 | -04 29 21.3 | 16   | 399 |
| 1996 QY <sub>1</sub> | 1996 08 24.68229   | 22 17 07.75 | -04 29 29.4 |      | 399 |
| 1996 QY <sub>1</sub> | 1996 08 25.65729   | 22 16 28.80 | -04 39 37.2 | 16.5 | 399 |
| 1996 QY <sub>1</sub> | 1996 08 25.67222   | 22 16 27.97 | -04 39 48.4 |      | 399 |
| 1996 QZ <sub>1</sub> | * 1996 08 24.70314 | 23 35 08.44 | -06 52 38.7 | 16.7 | 399 |
| 1996 QZ <sub>1</sub> | 1996 08 24.71736   | 23 35 07.83 | -06 52 43.1 |      | 399 |
| 1996 QZ <sub>1</sub> | 1996 08 25.69375   | 23 34 33.99 | -06 57 21.1 | 16.8 | 399 |
| 1996 QZ <sub>1</sub> | 1996 08 25.70833   | 23 34 33.50 | -06 57 25.7 |      | 399 |
| 1996 QA <sub>2</sub> | * 1996 08 24.70314 | 23 25 36.50 | -08 41 41.9 | 16.8 | 399 |
| 1996 QA <sub>2</sub> | 1996 08 24.71736   | 23 25 35.76 | -08 41 47.3 |      | 399 |

|                       |                    |             |             |      |     |                       |                    |             |             |          |
|-----------------------|--------------------|-------------|-------------|------|-----|-----------------------|--------------------|-------------|-------------|----------|
| 1996 QA <sub>2</sub>  | 1996 08 25.69375   | 23 25 00.01 | -08 50 02.0 | 16.8 | 399 | 1996 TN <sub>10</sub> | 1996 10 10.60453   | 01 32 12.53 | +16 15 57.2 | 399      |
| 1996 QA <sub>2</sub>  | 1996 08 25.70833   | 23 24 59.37 | -08 50 09.8 |      | 399 | 1996 TO <sub>10</sub> | * 1996 10 09.55486 | 01 04 57.71 | -06 48 06.0 | 15.5 399 |
| 1996 QB <sub>2</sub>  | * 1996 08 24.70314 | 23 27 36.47 | -07 23 30.7 | 16.7 | 399 | 1996 TO <sub>10</sub> | 1996 10 09.56910   | 01 04 56.95 | -06 48 08.9 | 399      |
| 1996 QB <sub>2</sub>  | 1996 08 24.71736   | 23 27 35.89 | -07 23 36.1 |      | 399 | 1996 TO <sub>10</sub> | 1996 10 10.54965   | 01 04 02.43 | -06 51 32.6 | 16 399   |
| 1996 QB <sub>2</sub>  | 1996 08 25.69375   | 23 27 06.04 | -07 27 49.6 | 16.8 | 399 | 1996 TO <sub>10</sub> | 1996 10 10.56389   | 01 04 01.51 | -06 51 35.4 | 399      |
| 1996 QB <sub>2</sub>  | 1996 08 25.70833   | 23 27 05.44 | -07 27 53.5 |      | 399 | 1996 TP <sub>10</sub> | * 1996 10 09.55486 | 01 05 57.65 | -08 33 19.2 | 16.8 399 |
| 1996 QC <sub>2</sub>  | * 1996 08 24.70314 | 23 33 23.91 | -05 45 07.2 | 16.8 | 399 | 1996 TP <sub>10</sub> | 1996 10 09.56910   | 01 05 56.90 | -08 33 23.5 | 399      |
| 1996 QC <sub>2</sub>  | 1996 08 24.71736   | 23 33 23.25 | -05 45 10.0 |      | 399 | 1996 TP <sub>10</sub> | 1996 10 10.54965   | 01 05 08.88 | -08 36 11.2 | 17 399   |
| 1996 QC <sub>2</sub>  | 1996 08 25.69375   | 23 32 38.68 | -05 47 15.8 | 16.7 | 399 | 1996 TP <sub>10</sub> | 1996 10 10.56389   | 01 05 08.18 | -08 36 14.9 | 399      |
| 1996 QC <sub>2</sub>  | 1996 08 25.70833   | 23 32 37.94 | -05 47 17.4 |      | 399 | 1996 TQ <sub>10</sub> | * 1996 10 09.55486 | 01 10 58.18 | -07 17 45.2 | 17 399   |
| 1996 QD <sub>2</sub>  | * 1996 08 24.73657 | 00 00 56.78 | -14 30 39.4 | 16.7 | 399 | 1996 TQ <sub>10</sub> | 1996 10 09.56910   | 01 10 57.55 | -07 17 49.6 | 399      |
| 1996 QD <sub>2</sub>  | 1996 08 24.75069   | 00 00 56.35 | -14 30 46.4 |      | 399 | 1996 TQ <sub>10</sub> | 1996 10 10.54965   | 01 10 14.91 | -07 23 21.9 | 17 399   |
| 1996 QD <sub>2</sub>  | 1996 08 25.72917   | 00 00 27.76 | -14 36 49.3 | 16.7 | 399 | 1996 TQ <sub>10</sub> | 1996 10 10.56389   | 01 10 14.27 | -07 23 26.0 | 399      |
| 1996 QD <sub>2</sub>  | 1996 08 25.74340   | 00 00 27.24 | -14 36 55.6 |      | 399 | 1996 TR <sub>10</sub> | * 1996 10 09.55486 | 01 12 26.83 | -05 04 53.7 | 16 399   |
| 1996 TN               | 1996 10 09.58819   | 01 35 43.95 | +04 45 22.8 | 16   | 399 | 1996 TR <sub>10</sub> | 1996 10 09.56910   | 01 12 26.08 | -05 05 03.3 | 399      |
| 1996 TN               | 1996 10 09.60243   | 01 35 43.07 | +04 45 20.1 |      | 399 | 1996 TR <sub>10</sub> | 1996 10 10.54965   | 01 11 36.94 | -05 14 57.8 | 16 399   |
| 1996 TN               | 1996 10 10.62604   | 01 34 39.78 | +04 42 57.8 | 16.6 | 399 | 1996 TR <sub>10</sub> | 1996 10 10.56389   | 01 11 36.22 | -05 15 07.6 | 399      |
| 1996 TN               | 1996 10 10.64034   | 01 34 38.83 | +04 42 56.4 |      | 399 | 1996 TS <sub>10</sub> | * 1996 10 09.58819 | 01 33 14.59 | +05 34 37.5 | 16.6 399 |
| 1996 TE <sub>10</sub> | * 1996 10 09.48611 | 00 36 10.99 | +08 01 07.9 | 16.7 | 399 | 1996 TS <sub>10</sub> | 1996 10 09.60243   | 01 33 13.67 | +05 34 37.2 | 399      |
| 1996 TE <sub>10</sub> | 1996 10 09.50035   | 00 36 10.12 | +08 01 06.0 |      | 399 | 1996 TS <sub>10</sub> | 1996 10 10.62604   | 01 32 10.11 | +05 33 17.1 | 16.5 399 |
| 1996 TE <sub>10</sub> | 1996 10 10.51667   | 00 35 05.79 | +08 00 26.3 | 17   | 399 | 1996 TS <sub>10</sub> | 1996 10 10.64034   | 01 32 09.25 | +05 33 16.3 | 399      |
| 1996 TE <sub>10</sub> | 1996 10 10.53090   | 00 35 04.68 | +08 00 26.3 |      | 399 | 1996 TT <sub>10</sub> | * 1996 10 09.58819 | 01 34 05.08 | +03 55 35.1 | 16.8 399 |
| 1996 TF <sub>10</sub> | * 1996 10 09.48611 | 00 38 09.46 | +08 33 55.9 | 16.8 | 399 | 1996 TT <sub>10</sub> | 1996 10 09.60243   | 01 34 04.56 | +03 55 24.8 | 399      |
| 1996 TF <sub>10</sub> | 1996 10 09.50035   | 00 38 08.64 | +08 33 53.2 |      | 399 | 1996 TT <sub>10</sub> | 1996 10 10.62604   | 01 33 23.24 | +03 41 16.3 | 16.8 399 |
| 1996 TF <sub>10</sub> | 1996 10 10.51667   | 00 37 09.38 | +08 30 13.9 | 16.8 | 399 | 1996 TT <sub>10</sub> | 1996 10 10.64034   | 01 33 22.58 | +03 41 02.4 | 399      |
| 1996 TF <sub>10</sub> | 1996 10 10.53090   | 00 37 08.56 | +08 30 11.8 |      | 399 | 1996 TU <sub>10</sub> | * 1996 10 09.58819 | 01 34 55.04 | +06 21 23.0 | 16.7 399 |
| 1996 TG <sub>10</sub> | * 1996 10 09.48611 | 00 43 44.43 | +09 11 24.6 | 16.8 | 399 | 1996 TU <sub>10</sub> | 1996 10 09.60243   | 01 34 54.32 | +06 21 18.0 | 399      |
| 1996 TG <sub>10</sub> | 1996 10 09.50035   | 00 43 43.63 | +09 11 20.8 |      | 399 | 1996 TU <sub>10</sub> | 1996 10 10.62604   | 01 34 09.89 | +06 16 07.0 | 16.6 399 |
| 1996 TG <sub>10</sub> | 1996 10 10.53090   | 00 42 50.03 | +09 06 20.9 | 16.8 | 399 | 1996 TU <sub>10</sub> | 1996 10 10.64034   | 01 34 09.25 | +06 16 02.0 | 399      |
| 1996 TH <sub>10</sub> | * 1996 10 09.52014 | 01 22 40.31 | +17 43 52.3 | 16.5 | 399 | 1996 TV <sub>10</sub> | * 1996 10 09.58819 | 01 35 33.29 | +05 36 37.9 | 16.6 399 |
| 1996 TH <sub>10</sub> | 1996 10 09.53438   | 01 22 39.24 | +17 43 56.3 |      | 399 | 1996 TV <sub>10</sub> | 1996 10 09.60243   | 01 35 32.39 | +05 36 35.0 | 399      |
| 1996 TH <sub>10</sub> | 1996 10 10.58681   | 01 21 23.05 | +17 48 38.7 | 16.5 | 399 | 1996 TV <sub>10</sub> | 1996 10 10.62604   | 01 34 26.23 | +05 32 58.0 | 16.7 399 |
| 1996 TH <sub>10</sub> | 1996 10 10.60453   | 01 21 21.80 | +17 48 43.1 |      | 399 | 1996 TV <sub>10</sub> | 1996 10 10.64034   | 01 34 25.22 | +05 32 53.6 | 399      |
| 1996 TJ <sub>10</sub> | * 1996 10 09.52014 | 01 26 45.86 | +15 49 33.3 | 16.7 | 399 | 1996 TW <sub>10</sub> | * 1996 10 09.58819 | 01 35 39.70 | +05 52 59.0 | 16 399   |
| 1996 TJ <sub>10</sub> | 1996 10 09.53438   | 01 26 44.47 | +15 49 37.6 |      | 399 | 1996 TW <sub>10</sub> | 1996 10 09.60243   | 01 35 38.99 | +05 52 53.5 | 399      |
| 1996 TJ <sub>10</sub> | 1996 10 10.58681   | 01 24 57.68 | +15 58 00.8 | 16.7 | 399 | 1996 TW <sub>10</sub> | 1996 10 10.62604   | 01 34 42.30 | +05 46 52.9 | 16.2 399 |
| 1996 TJ <sub>10</sub> | 1996 10 10.60453   | 01 24 55.76 | +15 58 09.5 |      | 399 | 1996 TW <sub>10</sub> | 1996 10 10.64034   | 01 34 41.50 | +05 46 48.9 | 399      |
| 1996 TK <sub>10</sub> | * 1996 10 09.52014 | 01 29 11.29 | +18 05 21.4 | 17   | 399 | 1996 TX <sub>10</sub> | * 1996 10 09.58819 | 01 38 23.72 | +06 44 17.7 | 17 399   |
| 1996 TK <sub>10</sub> | 1996 10 09.53438   | 01 29 10.44 | +18 05 21.5 |      | 399 | 1996 TX <sub>10</sub> | 1996 10 09.60243   | 01 38 22.88 | +06 44 13.4 | 399      |
| 1996 TK <sub>10</sub> | 1996 10 10.58681   | 01 28 07.02 | +18 03 13.9 | 16.7 | 399 | 1996 TX <sub>10</sub> | 1996 10 10.62604   | 01 37 23.91 | +06 40 18.7 | 16.9 399 |
| 1996 TK <sub>10</sub> | 1996 10 10.60453   | 01 28 05.84 | +18 03 11.5 |      | 399 | 1996 TX <sub>10</sub> | 1996 10 10.64034   | 01 37 23.03 | +06 40 14.6 | 399      |
| 1996 TL <sub>10</sub> | * 1996 10 09.52014 | 01 31 09.14 | +19 07 11.3 | 16.8 | 399 | 1996 TY <sub>10</sub> | * 1996 10 09.58819 | 01 40 16.59 | +07 42 05.4 | 15.7 399 |
| 1996 TL <sub>10</sub> | 1996 10 09.53438   | 01 31 08.43 | +19 07 10.0 |      | 399 | 1996 TY <sub>10</sub> | 1996 10 09.60243   | 01 40 15.72 | +07 42 08.0 | 399      |
| 1996 TL <sub>10</sub> | 1996 10 10.58681   | 01 30 07.43 | +19 04 43.7 | 16.6 | 399 | 1996 TY <sub>10</sub> | 1996 10 10.62604   | 01 39 09.32 | +07 45 51.2 | 15.7 399 |
| 1996 TL <sub>10</sub> | 1996 10 10.60453   | 01 30 06.40 | +19 04 43.0 |      | 399 | 1996 TY <sub>10</sub> | 1996 10 10.64034   | 01 39 08.27 | +07 45 54.0 | 399      |
| 1996 TM <sub>10</sub> | * 1996 10 09.52014 | 01 31 51.87 | +17 10 38.4 | 16.3 | 399 | 1996 TZ <sub>10</sub> | * 1996 10 09.61927 | 01 51 14.16 | +05 08 34.5 | 16.8 399 |
| 1996 TM <sub>10</sub> | 1996 10 09.53438   | 01 31 50.94 | +17 10 37.3 |      | 399 | 1996 TZ <sub>10</sub> | 1996 10 09.64028   | 01 51 13.14 | +05 08 17.6 | 399      |
| 1996 TM <sub>10</sub> | 1996 10 10.58681   | 01 30 49.96 | +17 10 02.7 | 16.6 | 399 | 1996 TZ <sub>10</sub> | 1996 10 10.65868   | 01 50 34.96 | +04 56 01.5 | 17 399   |
| 1996 TM <sub>10</sub> | 1996 10 10.60453   | 01 30 48.88 | +17 10 01.3 |      | 399 | 1996 TZ <sub>10</sub> | 1996 10 10.67292   | 01 50 34.43 | +04 55 49.5 | 399      |
| 1996 TN <sub>10</sub> | * 1996 10 09.52014 | 01 33 10.44 | +16 17 14.2 | 16.8 | 399 | 1996 TA <sub>11</sub> | * 1996 10 09.65764 | 02 36 05.69 | +08 17 17.6 | 16.2 399 |
| 1996 TN <sub>10</sub> | 1996 10 09.53438   | 01 33 09.71 | +16 17 14.2 |      | 399 | 1996 TA <sub>11</sub> | 1996 10 09.67189   | 02 36 04.96 | +08 17 13.8 | 399      |
| 1996 TN <sub>10</sub> | 1996 10 10.58681   | 01 32 13.40 | +16 15 58.5 | 16.8 | 399 | 1996 TA <sub>11</sub> | 1996 10 10.69201   | 02 35 18.87 | +08 12 53.7 | 16.3 399 |

|                                                                          |                    |             |             |        |     |                       |                    |             |             |        |     |
|--------------------------------------------------------------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TA <sub>11</sub>                                                    | 1996 10 10.70625   | 02 35 18.07 | +08 12 48.7 |        | 399 | 1996 TE <sub>11</sub> | 1996 10 17.59477   | 03 48 20.29 | -20 56 06.6 |        | 400 |
| 1996 TH <sub>14</sub>                                                    | * 1996 10 09.52014 | 01 24 35.54 | +18 05 45.1 | 17.2   | 399 | 1996 TE <sub>11</sub> | 1996 10 17.59970   | 03 48 20.54 | -20 56 18.9 |        | 400 |
| 1996 TH <sub>14</sub>                                                    | 1996 10 09.53438   | 01 24 34.68 | +18 05 45.3 |        | 399 | 1996 TF <sub>11</sub> | * 1996 10 11.53910 | 01 39 18.95 | +14 37 42.9 | 17.2 V | 400 |
| 1996 TH <sub>14</sub>                                                    | 1996 10 10.58681   | 01 23 31.49 | +18 05 46.0 | 17.2   | 399 | 1996 TF <sub>11</sub> | 1996 10 11.56308   | 01 39 17.50 | +14 37 35.6 |        | 400 |
| 1996 TH <sub>14</sub>                                                    | 1996 10 10.60453   | 01 23 30.35 | +18 05 47.4 |        | 399 | 1996 TF <sub>11</sub> | 1996 10 14.55786   | 01 36 22.59 | +14 19 46.4 | 16.4 V | 400 |
| 1996 TJ <sub>14</sub>                                                    | * 1996 10 09.52014 | 01 25 57.70 | +20 00 19.4 | 17.2   | 399 | 1996 TF <sub>11</sub> | 1996 10 14.58900   | 01 36 20.69 | +14 19 34.1 |        | 400 |
| 1996 TJ <sub>14</sub>                                                    | 1996 10 09.53438   | 01 25 56.85 | +20 00 17.3 |        | 399 | 1996 TG <sub>11</sub> | * 1996 10 11.54319 | 01 40 42.96 | +13 28 38.5 | 17.4 V | 400 |
| 1996 TJ <sub>14</sub>                                                    | 1996 10 10.58681   | 01 25 00.47 | +19 58 32.6 | 17.2   | 399 | 1996 TG <sub>11</sub> | 1996 10 11.56771   | 01 40 41.63 | +13 28 21.0 |        | 400 |
| 1996 TJ <sub>14</sub>                                                    | 1996 10 10.60453   | 01 24 59.36 | +19 58 31.3 |        | 399 | 1996 TG <sub>11</sub> | 1996 10 14.56206   | 01 38 05.73 | +12 48 50.9 | 16.9 V | 400 |
| 1996 TK <sub>14</sub>                                                    | * 1996 10 09.52014 | 01 30 02.39 | +15 53 27.3 | 17.2   | 399 | 1996 TG <sub>11</sub> | 1996 10 14.59317   | 01 38 04.02 | +12 48 26.5 |        | 400 |
| 1996 TK <sub>14</sub>                                                    | 1996 10 09.53438   | 01 30 01.60 | +15 53 22.4 |        | 399 | 1996 TH <sub>11</sub> | * 1996 10 11.55108 | 01 39 18.08 | +11 54 32.7 | 17.4 V | 400 |
| 1996 TK <sub>14</sub>                                                    | 1996 10 10.58681   | 01 29 12.32 | +15 49 12.4 | 17.2   | 399 | 1996 TH <sub>11</sub> | 1996 10 11.57421   | 01 39 17.04 | +11 54 22.8 |        | 400 |
| 1996 TK <sub>14</sub>                                                    | 1996 10 10.60453   | 01 29 11.35 | +15 49 06.8 |        | 399 | 1996 TH <sub>11</sub> | 1996 10 14.59943   | 01 36 58.99 | +11 33 46.2 | 17.1 V | 400 |
| 1996 TL <sub>14</sub>                                                    | * 1996 10 09.52014 | 01 35 09.94 | +17 35 30.5 | 17     | 399 | 1996 TH <sub>11</sub> | 1996 10 14.63333   | 01 36 57.32 | +11 33 32.4 |        | 400 |
| 1996 TL <sub>14</sub>                                                    | 1996 10 09.53438   | 01 35 09.01 | +17 35 32.3 |        | 399 | 1996 TJ <sub>11</sub> | * 1996 10 11.55108 | 01 39 32.29 | +12 06 57.9 | 17.3 V | 400 |
| 1996 TL <sub>14</sub>                                                    | 1996 10 10.58681   | 01 34 04.02 | +17 36 23.4 | 17     | 399 | 1996 TJ <sub>11</sub> | 1996 10 11.57421   | 01 39 30.86 | +12 06 52.4 |        | 400 |
| 1996 TL <sub>14</sub>                                                    | 1996 10 10.60453   | 01 34 02.73 | +17 36 22.8 |        | 399 | 1996 TJ <sub>11</sub> | 1996 10 14.56624   | 01 36 37.37 | +11 51 27.6 | 16.8 V | 400 |
| 1996 TP <sub>14</sub>                                                    | * 1996 10 09.61927 | 01 52 08.06 | +08 30 18.0 | 17.2   | 399 | 1996 TJ <sub>11</sub> | 1996 10 14.59734   | 01 36 35.48 | +11 51 18.3 |        | 400 |
| 1996 TP <sub>14</sub>                                                    | 1996 10 09.64028   | 01 52 06.86 | +08 30 12.1 |        | 399 | 1996 TJ <sub>11</sub> | 1996 10 14.63972   | 01 36 32.79 | +11 51 06.1 |        | 400 |
| 1996 TP <sub>14</sub>                                                    | 1996 10 10.65868   | 01 51 18.10 | +08 24 35.6 | 17.1   | 399 | 1996 TK <sub>11</sub> | * 1996 10 11.58807 | 01 59 49.66 | +11 43 23.0 | 18.1 V | 400 |
| 1996 TP <sub>14</sub>                                                    | 1996 10 10.67292   | 01 51 17.47 | +08 24 31.0 |        | 399 | 1996 TK <sub>11</sub> | 1996 10 11.62041   | 01 59 48.01 | +11 43 18.3 |        | 400 |
| 1996 TQ <sub>14</sub>                                                    | * 1996 10 09.61927 | 01 55 15.77 | +07 23 52.4 | 17.2   | 399 | 1996 TK <sub>11</sub> | 1996 10 14.57336   | 01 57 22.83 | +11 35 21.9 | 17.6 V | 400 |
| 1996 TQ <sub>14</sub>                                                    | 1996 10 09.64028   | 01 55 14.77 | +07 23 41.1 |        | 399 | 1996 TK <sub>11</sub> | 1996 10 14.60370   | 01 57 21.31 | +11 35 17.9 |        | 400 |
| 1996 TQ <sub>14</sub>                                                    | 1996 10 10.65868   | 01 54 28.56 | +07 14 25.6 | 17.2   | 399 | 1996 TL <sub>11</sub> | * 1996 10 11.59020 | 01 59 17.64 | +11 02 11.1 | 17.4 V | 400 |
| 1996 TQ <sub>14</sub>                                                    | 1996 10 10.67292   | 01 54 27.71 | +07 14 16.4 |        | 399 | 1996 TL <sub>11</sub> | 1996 10 11.62263   | 01 59 15.49 | +11 02 05.6 |        | 400 |
| 1996 TT <sub>14</sub>                                                    | * 1996 10 09.65764 | 02 30 41.78 | +07 06 10.0 | 16.5   | 399 | 1996 TL <sub>11</sub> | 1996 10 14.57847   | 01 56 01.39 | +10 53 07.9 | 16.8 V | 400 |
| 1996 TT <sub>14</sub>                                                    | 1996 10 09.67189   | 02 30 41.09 | +07 06 05.0 |        | 399 | 1996 TL <sub>11</sub> | 1996 10 14.60793   | 01 55 59.33 | +10 53 02.7 |        | 400 |
| 1996 TT <sub>14</sub>                                                    | 1996 10 10.69201   | 02 29 57.98 | +07 00 45.8 | 16.5   | 399 | 1996 TM <sub>11</sub> | * 1996 10 11.59020 | 01 59 33.21 | +11 03 00.3 | 17.2 V | 400 |
| 1996 TT <sub>14</sub>                                                    | 1996 10 10.70625   | 02 29 57.33 | +07 00 40.4 |        | 399 | 1996 TM <sub>11</sub> | 1996 10 11.62263   | 01 59 31.91 | +11 02 43.0 |        | 400 |
| (7206)                                                                   | 1996 08 24.73657   | 00 00 30.04 | -13 05 30.9 | 16.8   | 399 | 1996 TM <sub>11</sub> | 1996 10 14.60579   | 01 57 33.88 | +10 34 51.9 | 17.3 V | 400 |
| (7206)                                                                   | 1996 08 24.75069   | 00 00 29.64 | -13 05 38.8 |        | 399 | 1996 TM <sub>11</sub> | 1996 10 14.63549   | 01 57 32.66 | +10 34 36.4 |        | 400 |
| (7206)                                                                   | 1996 08 25.72917   | 00 00 00.71 | -13 13 38.5 | 16.8   | 399 | 1996 TN <sub>11</sub> | * 1996 10 11.60294 | 02 00 35.92 | +07 51 52.8 | 17.6 V | 400 |
| (7206)                                                                   | 1996 08 25.74340   | 00 00 00.34 | -13 13 44.7 |        | 399 | 1996 TN <sub>11</sub> | 1996 10 11.63550   | 02 00 34.25 | +07 51 42.5 |        | 400 |
| <b>400 Kitami</b>                                                        |                    |             |             |        |     | 1996 TN <sub>11</sub> | 1996 10 14.55575   | 01 58 03.15 | +07 36 58.9 | 17.1 V | 400 |
| K. Endate, 3-17, Hinode 1 Chome, Mihoro Cho, Abashiri-Gun, Hokkaido, 092 |                    |             |             |        |     | 1996 TN <sub>11</sub> | 1996 10 14.58693   | 01 58 01.37 | +07 36 48.9 |        | 400 |
| Japan                                                                    |                    |             |             |        |     | 1996 TD <sub>13</sub> | * 1996 10 14.55135 | 01 00 41.58 | +06 46 45.5 | 16.9 V | 400 |
| Observer K. Endate                                                       |                    |             |             |        |     | 1996 TD <sub>13</sub> | 1996 10 14.58274   | 01 00 39.70 | +06 46 36.4 |        | 400 |
| 0.25-m $f/3.4$ hyperboloid astrocamera + CCD                             |                    |             |             |        |     | 1996 TD <sub>13</sub> | 1996 10 17.52483   | 00 57 47.39 | +06 34 05.4 | 17.3 V | 400 |
| GSC                                                                      |                    |             |             |        |     | 1996 TD <sub>13</sub> | 1996 10 17.55236   | 00 57 45.74 | +06 33 57.6 |        | 400 |
| 1996 TP <sub>1</sub>                                                     | * 1996 10 05.56434 | 01 09 06.90 | +07 02 27.8 | 16.3 V | 400 | 1996 TD <sub>13</sub> | 1996 10 17.62197   | 00 57 41.62 | +06 33 39.4 |        | 400 |
| 1996 TP <sub>1</sub>                                                     | 1996 10 05.58395   | 01 09 05.79 | +07 02 27.9 |        | 400 | 1996 TE <sub>13</sub> | * 1996 10 14.55135 | 01 00 47.35 | +06 51 52.3 | 17.2 V | 400 |
| 1996 TP <sub>1</sub>                                                     | 1996 10 08.56597   | 01 06 21.04 | +06 56 15.3 | 16.4 V | 400 | 1996 TE <sub>13</sub> | 1996 10 14.58274   | 01 00 45.62 | +06 51 41.1 |        | 400 |
| 1996 TP <sub>1</sub>                                                     | 1996 10 08.58993   | 01 06 19.60 | +06 56 11.9 |        | 400 | 1996 TE <sub>13</sub> | 1996 10 17.52483   | 00 58 19.68 | +06 34 31.7 | 16.8 V | 400 |
| 1996 TP <sub>1</sub>                                                     | 1996 10 14.55135   | 01 00 45.93 | +06 43 23.1 | 16.7 V | 400 | 1996 TE <sub>13</sub> | 1996 10 17.55236   | 00 58 18.30 | +06 34 21.7 |        | 400 |
| 1996 TP <sub>1</sub>                                                     | 1996 10 14.58274   | 01 00 44.12 | +06 43 18.0 |        | 400 | 1996 TE <sub>13</sub> | 1996 10 17.62197   | 00 58 14.81 | +06 33 57.5 |        | 400 |
| 1996 TQ <sub>1</sub>                                                     | * 1996 10 05.56645 | 01 09 59.07 | +06 40 34.5 | 16.3 V | 400 | 1996 TF <sub>13</sub> | * 1996 10 14.55358 | 01 03 45.26 | +05 36 51.9 | 16.5 V | 400 |
| 1996 TQ <sub>1</sub>                                                     | 1996 10 05.58610   | 01 09 58.24 | +06 40 27.9 |        | 400 | 1996 TF <sub>13</sub> | 1996 10 14.58486   | 01 03 43.33 | +05 36 45.7 |        | 400 |
| 1996 TQ <sub>1</sub>                                                     | 1996 10 08.56817   | 01 07 40.87 | +06 19 57.4 | 16.1 V | 400 | 1996 TF <sub>13</sub> | 1996 10 17.52732   | 01 00 54.64 | +05 24 31.2 | 17.0 V | 400 |
| 1996 TQ <sub>1</sub>                                                     | 1996 10 08.59221   | 01 07 39.65 | +06 19 48.4 |        | 400 | 1996 TF <sub>13</sub> | 1996 10 17.55446   | 01 00 53.07 | +05 24 24.4 |        | 400 |
| 1996 TQ <sub>1</sub>                                                     | 1996 10 14.55358   | 01 03 02.60 | +05 38 46.8 | 16.0 V | 400 | 1996 TG <sub>13</sub> | * 1996 10 14.56206 | 01 38 59.74 | +13 00 52.5 | 17.3 V | 400 |
| 1996 TQ <sub>1</sub>                                                     | 1996 10 14.58486   | 01 03 01.06 | +05 38 36.4 |        | 400 | 1996 TG <sub>13</sub> | 1996 10 14.59317   | 01 38 57.84 | +13 00 41.5 |        | 400 |
| 1996 TE <sub>11</sub>                                                    | 1996 10 17.58770   | 03 48 19.60 | -20 55 47.7 | 16.7 V | 400 | 1996 TG <sub>13</sub> | 1996 10 17.54604   | 01 36 06.59 | +12 47 31.7 | 17.4 V | 400 |

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TG <sub>13</sub> | 1996 10 17.57308   | 01 36 05.06 | +12 47 23.9 |        | 400 |
| 1996 TH <sub>13</sub> | * 1996 10 14.59108 | 01 36 19.75 | +13 43 48.0 | 17.2 V | 400 |
| 1996 TH <sub>13</sub> | 1996 10 14.62911   | 01 36 17.71 | +13 43 33.8 |        | 400 |
| 1996 TH <sub>13</sub> | 1996 10 17.54816   | 01 33 43.78 | +13 26 13.4 | 17.0 V | 400 |
| 1996 TH <sub>13</sub> | 1996 10 17.57519   | 01 33 42.22 | +13 26 01.6 |        | 400 |
| 1996 UL               | * 1996 10 17.52483 | 00 58 44.19 | +06 32 56.9 | 16.9 V | 400 |
| 1996 UL               | 1996 10 17.55236   | 00 58 42.20 | +06 33 08.5 |        | 400 |
| 1996 UL               | 1996 10 17.62197   | 00 58 37.23 | +06 33 37.2 |        | 400 |

**411 Oizumi**

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0.25-m  $f/4.4$  reflector + CCD

GSC

|                      |                    |             |             |      |     |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1994 AH <sub>1</sub> | 1996 09 22.53650   | 00 52 49.41 | +12 27 14.7 |      | 411 |
| 1994 AH <sub>1</sub> | 1996 09 22.54912   | 00 52 48.83 | +12 27 09.9 |      | 411 |
| 1994 AH <sub>1</sub> | 1996 10 16.46466   | 00 31 32.90 | +09 58 17.0 |      | 411 |
| 1994 AH <sub>1</sub> | 1996 10 16.47188   | 00 31 32.51 | +09 58 14.2 |      | 411 |
| 1994 GZ              | 1996 09 22.57661   | 02 22 45.96 | +08 43 06.0 |      | 411 |
| 1994 GZ              | 1996 09 22.59170   | 02 22 45.66 | +08 42 57.7 |      | 411 |
| 1994 GZ              | 1996 10 16.54030   | 02 09 50.64 | +04 48 30.2 |      | 411 |
| 1994 GZ              | 1996 10 16.54789   | 02 09 50.29 | +04 48 25.0 |      | 411 |
| 1995 BX <sub>1</sub> | 1996 09 22.50400   | 23 44 43.94 | -20 06 27.6 |      | 411 |
| 1995 BX <sub>1</sub> | 1996 09 22.51175   | 23 44 43.48 | -20 06 29.7 |      | 411 |
| 1996 UB              | * 1996 10 16.58370 | 02 59 22.72 | +17 44 44.4 | 17.5 | 411 |
| 1996 UB              | 1996 10 16.59557   | 02 59 22.17 | +17 44 42.6 |      | 411 |
| 1996 UB              | 1996 10 17.56915   | 02 58 41.03 | +17 41 39.2 |      | 411 |
| 1996 UB              | 1996 10 17.59486   | 02 58 39.91 | +17 41 35.5 |      | 411 |
| 1996 UB              | 1996 10 17.59925   | 02 58 39.71 | +17 41 34.1 |      | 411 |
| 1996 UD              | * 1996 10 16.62714 | 03 04 11.70 | +14 44 21.3 | 15.5 | 411 |
| 1996 UD              | 1996 10 16.63900   | 03 04 11.16 | +14 44 21.7 |      | 411 |
| 1996 UD              | 1996 10 17.53900   | 03 03 31.14 | +14 45 40.6 |      | 411 |
| 1996 UD              | 1996 10 17.55112   | 03 03 30.58 | +14 45 42.0 |      | 411 |
| 1996 UE              | * 1996 10 16.63105 | 03 04 17.18 | +15 57 34.4 | 16   | 411 |
| 1996 UE              | 1996 10 16.64292   | 03 04 16.54 | +15 57 35.8 |      | 411 |
| 1996 UE              | 1996 10 17.53701   | 03 03 29.21 | +15 58 27.5 |      | 411 |
| 1996 UE              | 1996 10 17.54914   | 03 03 28.55 | +15 58 28.4 |      | 411 |
| 1996 UF              | * 1996 10 16.65277 | 03 08 41.68 | +14 37 50.5 | 16.5 | 411 |
| 1996 UF              | 1996 10 16.66464   | 03 08 41.11 | +14 37 47.0 |      | 411 |
| 1996 UF              | 1996 10 17.54101   | 03 08 01.61 | +14 34 00.0 |      | 411 |
| 1996 UF              | 1996 10 17.55313   | 03 08 00.97 | +14 33 55.7 |      | 411 |
| 1996 UG              | * 1996 10 16.65864 | 03 07 22.45 | +16 55 02.7 | 17   | 411 |
| 1996 UG              | 1996 10 16.67052   | 03 07 21.78 | +16 55 05.4 |      | 411 |
| 1996 UG              | 1996 10 17.52179   | 03 06 41.01 | +16 58 20.8 |      | 411 |
| 1996 UG              | 1996 10 17.52748   | 03 06 40.85 | +16 58 22.6 |      | 411 |
| 1996 UG              | 1996 10 17.52938   | 03 06 40.66 | +16 58 23.1 |      | 411 |
| 1996 UH              | * 1996 10 16.68819 | 03 11 54.41 | +18 00 57.3 | 17   | 411 |
| 1996 UH              | 1996 10 16.70006   | 03 11 53.92 | +18 00 52.7 |      | 411 |
| 1996 UH              | 1996 10 17.54306   | 03 11 19.91 | +17 56 03.0 |      | 411 |
| 1996 UH              | 1996 10 17.55519   | 03 11 19.37 | +17 56 00.5 |      | 411 |
| 1996 UW              | * 1996 10 20.60473 | 03 39 52.50 | +20 12 03.3 | 17   | 411 |
| 1996 UW              | 1996 10 20.61774   | 03 39 51.75 | +20 12 02.7 |      | 411 |
| 1996 UW              | 1996 10 21.58362   | 03 38 57.41 | +20 12 25.2 |      | 411 |

|                      |                    |             |             |      |     |
|----------------------|--------------------|-------------|-------------|------|-----|
| 1996 UW              | 1996 10 21.58742   | 03 38 57.14 | +20 12 25.5 |      | 411 |
| 1996 UW              | 1996 10 21.59504   | 03 38 56.65 | +20 12 25.2 |      | 411 |
| 1996 UX              | * 1996 10 20.60689 | 03 40 53.97 | +20 29 34.7 | 16.5 | 411 |
| 1996 UX              | 1996 10 20.61990   | 03 40 53.47 | +20 29 34.4 |      | 411 |
| 1996 UX              | 1996 10 21.59774   | 03 40 18.38 | +20 27 32.0 |      | 411 |
| 1996 UX              | 1996 10 21.60782   | 03 40 17.94 | +20 27 30.5 |      | 411 |
| 1996 UY              | * 1996 10 20.63069 | 03 43 19.80 | +19 11 06.1 | 15.5 | 411 |
| 1996 UY              | 1996 10 20.64370   | 03 43 19.31 | +19 11 05.9 |      | 411 |
| 1996 UY              | 1996 10 21.60396   | 03 42 44.35 | +19 11 17.4 |      | 411 |
| 1996 UY              | 1996 10 21.61406   | 03 42 43.98 | +19 11 17.8 |      | 411 |
| 1996 UZ              | * 1996 10 20.68689 | 03 49 56.27 | +19 20 33.1 | 17   | 411 |
| 1996 UZ              | 1996 10 20.69990   | 03 49 55.74 | +19 20 30.0 |      | 411 |
| 1996 UZ              | 1996 10 21.63238   | 03 49 25.93 | +19 16 35.4 |      | 411 |
| 1996 UZ              | 1996 10 21.64211   | 03 49 25.56 | +19 16 32.6 |      | 411 |
| 1996 UA <sub>1</sub> | * 1996 10 20.69333 | 03 48 45.84 | +21 20 04.3 | 17   | 411 |
| 1996 UA <sub>1</sub> | 1996 10 20.70634   | 03 48 45.47 | +21 19 59.2 |      | 411 |
| 1996 UA <sub>1</sub> | 1996 10 21.62018   | 03 48 17.68 | +21 13 44.0 |      | 411 |
| 1996 UA <sub>1</sub> | 1996 10 21.63038   | 03 48 17.33 | +21 13 38.6 |      | 411 |
| 1996 UB <sub>1</sub> | * 1996 10 20.71714 | 03 52 15.83 | +19 48 44.5 | 16.5 | 411 |
| 1996 UB <sub>1</sub> | 1996 10 20.73015   | 03 52 15.33 | +19 48 48.6 |      | 411 |
| 1996 UB <sub>1</sub> | 1996 10 21.60183   | 03 51 45.23 | +19 51 37.6 |      | 411 |
| 1996 UB <sub>1</sub> | 1996 10 21.61193   | 03 51 44.82 | +19 51 40.0 |      | 411 |

**413 Siding Spring**

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Observers G. J. Garradd, J. Shobbrook, M. Hartley, R. H. McNaught, S. D. Ryder

Measurers R. H. McNaught, G. J. Garradd

1.0-m reflector + CCD, 1.2-m U.K. Schmidt

GSC, AGK3, Perth 70

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1987 QX               | 1996 10 01.54936   | 18 44 56.69 | -34 37 07.2 |        | 413 |
| 1987 QX               | 1996 10 01.55180   | 18 44 57.05 | -34 37 06.5 | I      | 413 |
| 1989 RC               | 1996 10 01.63510   | 20 43 45.78 | -32 57 04.0 |        | 413 |
| 1989 RC               | 1996 10 01.63691   | 20 43 46.41 | -32 57 03.7 |        | 413 |
| 1989 RC               | 1996 10 01.63882   | 20 43 47.14 | -32 57 01.9 |        | 413 |
| 1994 TF <sub>2</sub>  | 1996 10 01.71459   | 02 00 34.25 | -23 11 46.9 |        | 413 |
| 1994 TF <sub>2</sub>  | 1996 10 01.71636   | 02 00 34.08 | -23 11 57.6 |        | 413 |
| 1994 TF <sub>2</sub>  | 1996 10 01.71807   | 02 00 33.93 | -23 12 07.3 |        | 413 |
| 1995 CN               | 1984 11 15.46284   | 01 03 51.75 | -05 06 01.4 | 19 V   | 413 |
| 1995 CN               | 1989 12 20.50730   | 04 23 43.67 | +13 18 07.2 | 19 V   | 413 |
| 1995 CN               | 1996 05 26.53817   | 13 42 06.64 | +00 17 05.6 |        | 413 |
| 1995 CN               | 1996 05 26.54181   | 13 42 06.55 | +00 17 05.3 |        | 413 |
| 1995 CN               | 1996 05 28.53893   | 13 41 20.56 | +00 15 32.2 |        | 413 |
| 1996 EN               | 1996 10 01.62874   | 20 25 22.41 | -63 54 06.8 |        | 413 |
| 1996 EN               | 1996 10 01.63042   | 20 25 23.76 | -63 54 09.3 |        | 413 |
| 1996 EN               | 1996 10 01.63207   | 20 25 25.11 | -63 54 11.9 |        | 413 |
| 1996 RG <sub>3</sub>  | 1996 10 01.67493   | 22 25 07.94 | -13 23 34.8 |        | 413 |
| 1996 RG <sub>3</sub>  | 1996 10 01.67712   | 22 25 07.67 | -13 23 37.0 |        | 413 |
| 1996 RG <sub>3</sub>  | 1996 10 01.67931   | 22 25 07.38 | -13 23 39.2 |        | 413 |
| 1996 RY <sub>3</sub>  | 1996 10 01.69184   | 23 35 30.73 | -39 33 38.6 |        | 413 |
| 1996 RY <sub>3</sub>  | 1996 10 01.69409   | 23 35 30.60 | -39 33 53.8 |        | 413 |
| 1996 RY <sub>3</sub>  | 1996 10 01.69625   | 23 35 30.47 | -39 34 07.6 |        | 413 |
| 1996 RE <sub>26</sub> | * 1996 09 06.47286 | 22 47 06.28 | -06 15 30.4 | 18.5 V | 413 |

## M.P.C. 27987

1996 OCT. 26

|                       |                    |             |             |          |
|-----------------------|--------------------|-------------|-------------|----------|
| 1996 RE <sub>26</sub> | 1996 09 06.54230   | 22 46 57.66 | -06 14 38.7 | 413      |
| 1996 SK               | 1996 10 01.68218   | 22 25 23.26 | -08 00 04.1 | 413      |
| 1996 SK               | 1996 10 01.68433   | 22 25 22.96 | -08 00 06.3 | 413      |
| 1996 SK               | 1996 10 01.68703   | 22 25 22.56 | -08 00 08.4 | 413      |
| 1996 TE <sub>11</sub> | * 1996 10 14.66516 | 03 45 09.83 | -18 48 15.8 | 17 V 413 |
| 1996 TE <sub>11</sub> | 1996 10 14.70683   | 03 45 12.30 | -18 50 01.8 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 15.56738   | 03 46 10.21 | -19 27 34.3 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 15.61500   | 03 46 13.13 | -19 29 39.9 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 15.65278   | 03 46 15.41 | -19 31 18.9 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 15.66990   | 03 46 16.44 | -19 32 03.5 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 15.77067   | 03 46 22.53 | -19 36 26.0 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 16.65594   | 03 47 20.44 | -20 15 01.4 | 413      |
| 1996 TE <sub>11</sub> | 1996 10 16.66535   | 03 47 21.00 | -20 15 26.2 | 413      |

**422 Loomberah**

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0.25-m  $f/4.1$  reflector + CCD

GSC

|                       |                  |             |             |        |       |
|-----------------------|------------------|-------------|-------------|--------|-------|
| 1996 PA               | 1996 09 14.61514 | 23 07 30.41 | -31 18 28.2 | 16.8 R | 422   |
| 1996 PA               | 1996 09 14.61770 | 23 07 30.40 | -31 18 31.3 | 16.7 R | 422   |
| 1996 PA               | 1996 09 14.61985 | 23 07 30.38 | -31 18 34.1 | 16.6 R | 422   |
| 1996 RE <sub>26</sub> | 1996 09 14.58173 | 22 31 12.26 | -04 32 57.2 | 18.1 R | 422   |
| 1996 RE <sub>26</sub> | 1996 09 14.58445 | 22 31 11.94 | -04 32 55.2 | 17.8 R | 422   |
| 1996 RE <sub>26</sub> | 1996 09 14.58885 | 22 31 11.41 | -04 32 51.7 | 17.6 R | 422   |
| 1996 TR <sub>6</sub>  | 1996 10 20.69030 | 03 48 19.92 | -02 09 28.9 | 19.0 R | V 422 |
| 1996 TR <sub>6</sub>  | 1996 10 20.69673 | 03 48 19.63 | -02 09 42.6 | 19.2 R | V 422 |
| 1996 TE <sub>11</sub> | 1996 10 20.70895 | 03 51 27.03 | -23 10 16.8 | 16.9 R | 422   |
| 1996 TE <sub>11</sub> | 1996 10 20.71088 | 03 51 27.14 | -23 10 21.6 | 17.1 R | 422   |
| 1996 TE <sub>11</sub> | 1996 10 20.71238 | 03 51 27.20 | -23 10 25.6 | 17.1 R | 422   |
| (816)                 | 1996 09 13.46477 | 20 45 05.86 | -22 07 28.2 | 16.4 R | 422   |
| (816)                 | 1996 09 13.46579 | 20 45 05.84 | -22 07 28.6 | 16.3 R | 422   |
| (816)                 | 1996 09 13.46670 | 20 45 05.81 | -22 07 28.7 | 16.4 R | 422   |
| (816)                 | 1996 09 13.46745 | 20 45 05.80 | -22 07 28.8 | 16.4 R | 422   |
| (816)                 | 1996 09 13.46834 | 20 45 05.78 | -22 07 29.1 | 16.4 R | 422   |
| (816)                 | 1996 09 13.46915 | 20 45 05.77 | -22 07 29.1 | 16.2 R | 422   |
| (4078)                | 1996 09 13.47718 | 20 48 43.61 | -32 24 17.7 | 16.1 R | 422   |
| (4078)                | 1996 09 13.47837 | 20 48 43.61 | -32 24 17.6 | 16.1 R | 422   |
| (4078)                | 1996 09 14.53869 | 20 48 30.55 | -32 22 49.7 | 15.7 R | 422   |
| (4078)                | 1996 09 14.53969 | 20 48 30.49 | -32 22 49.5 |        | 422   |

**423 North Ryde**

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

GSC

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1992 UZ | 1996 09 22.53175 | 00 11 39.37 | -26 40 51.9 | 15.7 V | 423 |
| 1992 UZ | 1996 09 22.53883 | 00 11 38.97 | -26 40 50.4 |        | 423 |
| 1992 UZ | 1996 09 22.54760 | 00 11 38.38 | -26 40 49.2 |        | 423 |
| 1992 UZ | 1996 09 22.55420 | 00 11 37.96 | -26 40 47.7 |        | 423 |
| 1992 UZ | 1996 09 22.56429 | 00 11 37.35 | -26 40 45.3 |        | 423 |
| 1992 UZ | 1996 09 22.57380 | 00 11 36.81 | -26 40 43.3 |        | 423 |
| 1992 UZ | 1996 09 22.57925 | 00 11 36.46 | -26 40 42.3 |        | 423 |

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1992 UZ | 1996 09 22.58809 | 00 11 35.91 | -26 40 41.3 |        | 423 |
| 1992 UZ | 1996 09 22.59808 | 00 11 35.23 | -26 40 39.0 |        | 423 |
| 1992 UZ | 1996 09 22.61600 | 00 11 34.13 | -26 40 35.7 |        | 423 |
| 1992 UZ | 1996 09 22.62604 | 00 11 33.49 | -26 40 33.4 |        | 423 |
| 1992 UZ | 1996 09 22.63381 | 00 11 33.07 | -26 40 31.2 |        | 423 |
| 1992 UZ | 1996 09 22.64226 | 00 11 32.51 | -26 40 29.1 |        | 423 |
| 1992 UZ | 1996 09 22.65334 | 00 11 31.78 | -26 40 27.5 |        | 423 |
| 1992 UZ | 1996 09 22.66029 | 00 11 31.47 | -26 40 25.5 |        | 423 |
| 1992 UZ | 1996 09 23.54348 | 00 10 40.76 | -26 37 14.0 | 15.5 V | 423 |
| 1992 UZ | 1996 09 23.55264 | 00 10 40.22 | -26 37 12.1 |        | 423 |
| 1992 UZ | 1996 09 23.56093 | 00 10 39.69 | -26 37 09.9 |        | 423 |
| 1992 UZ | 1996 09 23.56966 | 00 10 39.15 | -26 37 08.3 |        | 423 |
| 1992 UZ | 1996 09 23.57716 | 00 10 38.70 | -26 37 07.0 |        | 423 |
| 1992 UZ | 1996 09 23.58329 | 00 10 38.29 | -26 37 05.4 |        | 423 |
| 1992 UZ | 1996 09 24.55567 | 00 09 42.25 | -26 33 11.4 |        | 423 |
| 1992 UZ | 1996 09 24.58227 | 00 09 40.73 | -26 33 03.7 |        | 423 |
| 1992 UZ | 1996 09 24.61119 | 00 09 38.96 | -26 32 56.3 |        | 423 |
| 1992 UZ | 1996 09 24.62116 | 00 09 38.24 | -26 32 54.5 |        | 423 |
| 1992 UZ | 1996 09 24.63078 | 00 09 37.79 | -26 32 51.1 |        | 423 |
| 1992 UZ | 1996 09 24.63883 | 00 09 37.27 | -26 32 48.8 |        | 423 |
| 1992 UZ | 1996 09 24.64479 | 00 09 36.72 | -26 32 47.7 |        | 423 |
| 1992 UZ | 1996 10 15.50634 | 23 53 11.06 | -23 36 21.8 | 16.1 V | 423 |
| 1992 UZ | 1996 10 15.54051 | 23 53 09.88 | -23 35 56.2 |        | 423 |
| 1992 UZ | 1996 10 15.54745 | 23 53 09.62 | -23 35 51.5 |        | 423 |
| 1992 UZ | 1996 10 15.55672 | 23 53 09.30 | -23 35 44.7 |        | 423 |
| 1992 UZ | 1996 10 15.57282 | 23 53 08.76 | -23 35 32.9 |        | 423 |
| 1992 UZ | 1996 10 15.58049 | 23 53 08.50 | -23 35 26.9 |        | 423 |
| (1703)  | 1996 10 13.47145 | 00 28 30.14 | -06 44 12.4 | 14.2 V | 423 |
| (1703)  | 1996 10 13.51520 | 00 28 28.01 | -06 44 21.6 |        | 423 |
| (1703)  | 1996 10 13.54542 | 00 28 26.52 | -06 44 27.4 |        | 423 |
| (1703)  | 1996 10 14.49428 | 00 27 43.50 | -06 47 22.9 | 14.8 V | 423 |
| (1703)  | 1996 10 14.51189 | 00 27 42.67 | -06 47 26.2 |        | 423 |
| (1703)  | 1996 10 14.53848 | 00 27 41.36 | -06 47 30.9 |        | 423 |
| (3850)  | 1996 10 11.49870 | 01 27 58.89 | -01 51 36.0 | 15.8 V | 423 |
| (3850)  | 1996 10 11.51078 | 01 27 58.17 | -01 51 41.0 |        | 423 |
| (3850)  | 1996 10 11.51988 | 01 27 57.64 | -01 51 44.2 |        | 423 |
| (3850)  | 1996 10 11.54863 | 01 27 55.93 | -01 51 54.9 |        | 423 |
| (3850)  | 1996 10 11.55646 | 01 27 55.50 | -01 51 58.0 |        | 423 |
| (3850)  | 1996 10 12.51230 | 01 27 02.08 | -01 57 54.0 | 15.9 V | 423 |
| (3850)  | 1996 10 12.52836 | 01 27 01.15 | -01 57 59.4 |        | 423 |
| (3850)  | 1996 10 12.56019 | 01 26 59.24 | -01 58 11.2 |        | 423 |
| (3850)  | 1996 10 12.58664 | 01 26 57.68 | -01 58 21.5 |        | 423 |
| (3850)  | 1996 10 12.60109 | 01 26 56.84 | -01 58 26.2 |        | 423 |

**424 Macquarie, near Canberra**

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Observer J. B. Child

Measurers J. B. Child, J. E. Rogers

0.32-m  $f/4.8$  reflector + CCD

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1992 SE <sub>1</sub> | 1996 10 12.47118 | 22 05 59.51 | -29 56 19.8 | 17.4 V | 424 |
| 1992 SE <sub>1</sub> | 1996 10 12.53229 | 22 05 59.54 | -29 55 45.5 | 17.4 V | 424 |
| 1996 PY <sub>6</sub> | 1996 10 12.54896 | 23 02 14.45 | -32 02 03.4 | 17.4 V | 424 |

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1996 PY <sub>6</sub>  | 1996 10 12.56007 | 23 02 14.14 | -32 01 46.8 | 17.3 V | 424 |
| 1996 PZ <sub>6</sub>  | 1996 10 12.58507 | 23 21 11.40 | -51 27 00.4 | 18.4 V | 424 |
| 1996 PZ <sub>6</sub>  | 1996 10 12.59826 | 23 21 11.01 | -51 26 46.2 | 18.2 V | 424 |
| 1996 PA <sub>7</sub>  | 1996 10 12.61545 | 02 18 01.14 | -49 01 26.3 | 15.9 V | 424 |
| 1996 PA <sub>7</sub>  | 1996 10 12.62378 | 02 18 00.51 | -49 01 22.3 | 15.7 V | 424 |
| 1996 PA <sub>7</sub>  | 1996 10 12.63628 | 02 17 59.68 | -49 01 16.6 | 15.8 V | 424 |
| 1996 PA <sub>7</sub>  | 1996 10 18.45573 | 02 11 02.75 | -48 00 42.6 | 15.6 V | 424 |
| 1996 PA <sub>7</sub>  | 1996 10 18.48073 | 02 11 00.78 | -48 00 24.2 | 15.4 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 18.55035 | 00 57 08.22 | +06 35 21.2 | 16.9 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 18.56979 | 00 57 07.13 | +06 35 19.1 | 17.1 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 18.60590 | 00 57 05.13 | +06 35 14.4 | 16.7 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 20.50729 | 00 55 26.07 | +06 31 38.8 | 16.4 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 20.51354 | 00 55 25.70 | +06 31 37.8 | 16.8 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 20.51639 | 00 55 25.60 | +06 31 36.5 | 16.9 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 20.52745 | 00 55 25.01 | +06 31 35.6 | 16.8 V | 424 |
| 1996 TP <sub>1</sub>  | 1996 10 20.53854 | 00 55 24.36 | +06 31 34.3 | 16.8 V | 424 |
| 1996 TE <sub>11</sub> | 1996 10 18.58090 | 03 49 21.37 | -21 38 35.9 | 17.4 V | 424 |
| 1996 TE <sub>11</sub> | 1996 10 18.59201 | 03 49 21.93 | -21 39 04.9 | 17.4 V | 424 |
| 1996 UL               | 1996 10 18.55035 | 00 57 34.93 | +06 40 14.4 | 17.0 V | 424 |
| 1996 UL               | 1996 10 18.56979 | 00 57 33.60 | +06 40 21.9 | 17.2 V | 424 |
| 1996 UL               | 1996 10 18.60590 | 00 57 31.08 | +06 40 36.7 | 17.1 V | 424 |
| 1996 UL               | 1996 10 20.55521 | 00 55 24.66 | +06 53 55.6 | 17.2 V | 424 |
| 1996 UL               | 1996 10 20.56910 | 00 55 23.69 | +06 54 01.2 | 17.6 V | 424 |
| (1287)                | 1996 10 20.55521 | 00 55 25.07 | +06 53 35.9 | 15.6 V | 424 |
| (1287)                | 1996 10 20.56910 | 00 55 24.48 | +06 53 29.3 | 15.4 V | 424 |

**476 Grange Observatory**

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0.30-m  $f/4.0$  reflector + CCD

GSC

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (3200) | 1996 10 18.93160 | 00 40 48.20 | +53 37 09.2 | 14.8 V | 476 |
| (3908) | 1996 10 03.80382 | 21 09 36.21 | +07 43 09.1 | 13.6 V | 476 |
| (3908) | 1996 10 03.81319 | 21 09 37.39 | +07 43 31.1 | 13.6 V | 476 |
| (3908) | 1996 10 03.81806 | 21 09 37.97 | +07 43 42.1 | 13.6 V | 476 |
| (3908) | 1996 10 03.82257 | 21 09 38.55 | +07 43 53.8 | 13.6 V | 476 |
| (3908) | 1996 10 18.84618 | 22 25 05.33 | +21 56 00.6 | 12.8 V | 476 |
| (3908) | 1996 10 18.85278 | 22 25 08.46 | +21 56 29.1 | 12.7 V | 476 |
| (3908) | 1996 10 18.85903 | 22 25 11.28 | +21 56 56.8 | 12.8 V | 476 |
| (3908) | 1996 10 18.86701 | 22 25 15.18 | +21 57 32.2 | 12.7 V | 476 |
| (3908) | 1996 10 18.88924 | 22 25 25.77 | +21 59 10.0 | 12.8 V | 476 |

**491 Yebes**

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Observers J. F. Lahulla, J. García

0.40-m  $f/5$  astrograph + CCD

GSC

|       |                  |             |             |  |     |
|-------|------------------|-------------|-------------|--|-----|
| (30)  | 1996 09 18.86139 | 21 30 47.25 | -12 56 25.3 |  | 491 |
| (30)  | 1996 09 18.89846 | 21 30 46.17 | -12 56 29.4 |  | 491 |
| (129) | 1996 09 18.87576 | 22 02 52.56 | -18 49 45.4 |  | 491 |
| (129) | 1996 09 18.93913 | 22 02 50.62 | -18 50 03.9 |  | 491 |
| (178) | 1996 09 18.95333 | 21 42 15.53 | -16 52 20.8 |  | 491 |

|        |                  |             |             |  |     |
|--------|------------------|-------------|-------------|--|-----|
| (178)  | 1996 09 18.97155 | 21 42 14.95 | -16 52 23.2 |  | 491 |
| (1241) | 1996 09 18.84438 | 21 28 41.80 | -07 58 05.8 |  | 491 |
| (1241) | 1996 09 18.88885 | 21 28 40.08 | -07 58 00.6 |  | 491 |
| (1241) | 1996 09 18.91459 | 21 28 39.14 | -07 57 55.9 |  | 491 |

**494 Stakenbridge**

B. G. W. Manning, Moonrakers, Stakenbridge, Churchill, Kidderminster, Worcs.

DY10 3LS, England [bgwm@star.sr.bham.ac.uk]

0.26-m  $f/7.3$  reflector + CCD

PPM

|                      |                  |             |             |  |     |
|----------------------|------------------|-------------|-------------|--|-----|
| 1989 TE              | 1996 10 03.81262 | 22 34 00.76 | -00 32 01.5 |  | 494 |
| 1989 TE              | 1996 10 03.83053 | 22 34 00.73 | -00 32 03.8 |  | 494 |
| 1989 TE              | 1996 10 03.84843 | 22 34 00.67 | -00 32 07.3 |  | 494 |
| 1989 TE              | 1996 10 13.83729 | 22 35 41.31 | -00 57 10.9 |  | 494 |
| 1989 TE              | 1996 10 13.86225 | 22 35 41.75 | -00 57 13.2 |  | 494 |
| 1994 AM <sub>1</sub> | 1996 09 27.91553 | 22 20 38.90 | +00 33 38.5 |  | 494 |
| 1994 AM <sub>1</sub> | 1996 09 27.92387 | 22 20 38.57 | +00 33 35.2 |  | 494 |
| 1994 AM <sub>1</sub> | 1996 10 15.87955 | 22 16 08.23 | -00 41 49.7 |  | 494 |
| 1994 AM <sub>1</sub> | 1996 10 15.89420 | 22 16 08.24 | -00 41 53.1 |  | 494 |
| 1995 HR              | 1996 10 03.81262 | 22 34 06.82 | -00 28 42.7 |  | 494 |
| 1995 HR              | 1996 10 03.83053 | 22 34 06.56 | -00 28 47.7 |  | 494 |
| 1995 HR              | 1996 10 03.84843 | 22 34 06.20 | -00 28 56.0 |  | 494 |
| 1996 RB              | 1996 09 27.87737 | 21 14 11.88 | -12 00 41.3 |  | 494 |
| 1996 RB              | 1996 09 27.88851 | 21 14 12.05 | -12 00 38.6 |  | 494 |
| 1996 RB              | 1996 10 13.89476 | 21 22 25.63 | -10 27 10.5 |  | 494 |

**540 Linz**

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Observers E. Mayer, H. Raab

0.30-m  $f/5.2$  Schmidt Cassegrain + CCD

GSC

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1991 VK | 1996 10 08.80281 | 00 25 26.93 | +22 37 15.2 | 16.7 R | 540 |
| 1991 VK | 1996 10 08.80648 | 00 25 26.48 | +22 37 16.3 |        | 540 |
| 1991 VK | 1996 10 08.81008 | 00 25 26.00 | +22 37 17.1 |        | 540 |

**549 Uppsala**

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Observers L. Kamél, K. Lundgren

Measurer L. Kamél

0.41-m  $f/9$  reflector + CCD

DSS

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 SM <sub>7</sub> | 1996 09 24.84057   | 23 46 58.14 | +07 09 06.1 |        | 549 |
| 1996 SM <sub>7</sub> | 1996 09 24.86810   | 23 46 56.55 | +07 08 56.0 |        | 549 |
| 1996 SM <sub>7</sub> | 1996 09 24.88918   | 23 46 55.25 | +07 08 47.1 |        | 549 |
| 1996 SM <sub>7</sub> | 1996 09 24.92950   | 23 46 52.98 | +07 08 32.4 |        | 549 |
| 1996 SM <sub>7</sub> | 1996 09 24.99291   | 23 46 49.25 | +07 08 07.0 |        | 549 |
| 1996 SM <sub>7</sub> | * 1996 09 30.90238 | 23 41 20.28 | +06 30 04.5 |        | 549 |
| 1996 SM <sub>7</sub> | 1996 09 30.91192   | 23 41 19.71 | +06 30 01.2 |        | 549 |
| 1996 SM <sub>7</sub> | 1996 10 01.96223   | 23 40 24.80 | +06 23 10.8 | 16.5 I | 549 |
| 1996 SM <sub>7</sub> | 1996 10 01.97280   | 23 40 24.23 | +06 23 06.7 | 16.5 I | 549 |
| 1996 SQ <sub>7</sub> | * 1996 09 30.93819 | 23 43 13.77 | +06 50 13.9 |        | 549 |

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 SQ <sub>7</sub> | 1996 09 30.94774   | 23 43 13.50 | +06 50 11.6 |        | 549 |
| 1996 SQ <sub>7</sub> | 1996 10 04.95868   | 23 41 16.35 | +06 39 50.9 |        | 549 |
| 1996 SQ <sub>7</sub> | 1996 10 04.97003   | 23 41 16.04 | +06 39 48.8 |        | 549 |
| 1996 TD              | * 1996 10 01.92807 | 23 42 27.68 | +06 39 05.7 | 16.4 I | 549 |
| 1996 TD              | 1996 10 01.95148   | 23 42 26.34 | +06 38 56.5 | 16.0 I | 549 |
| 1996 TD              | 1996 10 01.99951   | 23 42 23.75 | +06 38 40.0 |        | 549 |
| 1996 TD              | 1996 10 02.01851   | 23 42 22.80 | +06 38 34.4 | 15.8 I | 549 |
| 1996 TD              | 1996 10 03.01138   | 23 41 32.30 | +06 33 06.4 |        | 549 |
| 1996 TD              | 1996 10 03.01969   | 23 41 31.84 | +06 33 03.8 |        | 549 |

**552 San Vittore**

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

[astrofil@astbo1.bo.cnr.it]

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0.45-m  $f/3.3$  reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1983 TC              | 1996 10 18.83426 | 20 50 10.52 | -02 26 47.9 | 16.7 V | 552 |
| 1983 TC              | 1996 10 18.84531 | 20 50 11.10 | -02 26 50.1 |        | 552 |
| 1983 TC              | 1996 10 18.85373 | 20 50 11.59 | -02 26 52.3 |        | 552 |
| 1989 JF              | 1996 10 18.89661 | 00 18 48.42 | +04 13 28.1 | 16.4 V | 552 |
| 1989 JF              | 1996 10 18.90872 | 00 18 47.79 | +04 13 25.9 |        | 552 |
| 1995 KC              | 1996 09 16.88882 | 00 46 56.57 | +07 07 44.6 | 18.8 V | 552 |
| 1995 KC              | 1996 09 16.93948 | 00 46 54.21 | +07 07 19.5 |        | 552 |
| 1995 KC              | 1996 10 18.86455 | 00 21 10.06 | +02 31 24.8 | 17.8 V | 552 |
| 1995 KC              | 1996 10 18.87888 | 00 21 09.43 | +02 31 16.1 |        | 552 |
| 1996 RO <sub>2</sub> | 1996 09 16.89821 | 00 48 09.42 | +06 55 00.7 | 19.0 V | 552 |
| 1996 RO <sub>2</sub> | 1996 09 16.94825 | 00 48 07.52 | +06 54 23.4 |        | 552 |
| 1996 RP <sub>2</sub> | 1996 09 16.91242 | 00 48 32.67 | +07 25 23.2 | 18.2 V | 552 |
| 1996 RP <sub>2</sub> | 1996 09 16.92756 | 00 48 32.06 | +07 25 21.7 |        | 552 |
| 1996 RP <sub>2</sub> | 1996 09 16.96059 | 00 48 30.64 | +07 25 17.0 |        | 552 |
| 1996 RQ <sub>2</sub> | 1996 09 16.91942 | 00 49 19.05 | +07 21 45.6 | 18.6 V | 552 |
| 1996 RQ <sub>2</sub> | 1996 09 16.96729 | 00 49 16.65 | +07 21 32.7 |        | 552 |
| (417)                | 1996 09 16.88882 | 00 46 14.90 | +07 11 42.2 | 14.2 V | 552 |
| (417)                | 1996 09 16.93948 | 00 46 12.80 | +07 11 25.1 |        | 552 |

**557 Ondřejov**

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0.65-m  $f/3.6$  reflector + CCD

GSC

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1989 UQ | 1996 10 11.90865 | 02 08 31.24 | +09 11 45.5 |        | 557 |
| 1989 UQ | 1996 10 11.95488 | 02 08 18.93 | +09 10 19.4 |        | 557 |
| 1989 UQ | 1996 10 12.01634 | 02 08 02.49 | +09 08 25.0 |        | 557 |
| 1989 UQ | 1996 10 12.05049 | 02 07 53.34 | +09 07 20.8 |        | 557 |
| 1991 VK | 1996 10 03.97458 | 00 34 32.82 | +22 17 45.6 | 16.9 V | 557 |
| 1991 VK | 1996 10 04.01127 | 00 34 28.77 | +22 17 56.1 | 16.8 V | 557 |
| 1991 VK | 1996 10 04.04095 | 00 34 25.50 | +22 18 04.5 | 16.8 V | 557 |
| 1991 VK | 1996 10 15.79326 | 00 10 11.42 | +22 47 18.9 |        | 557 |
| 1991 VK | 1996 10 16.02498 | 00 09 37.67 | +22 47 14.6 |        | 557 |
| 1991 VK | 1996 10 16.06920 | 00 09 31.30 | +22 47 12.2 |        | 557 |
| 1995 HC | 1995 05 24.85670 | 11 12 17.26 | +05 43 15.4 | 19.0 V | 557 |
| 1995 HC | 1995 05 24.90017 | 11 12 18.59 | +05 43 09.1 |        | 557 |

|                      |                  |             |             |        |       |
|----------------------|------------------|-------------|-------------|--------|-------|
| 1995 OD <sub>1</sub> | 1996 10 12.05998 | 03 51 29.29 | +03 54 08.4 |        | 557   |
| 1995 OD <sub>1</sub> | 1996 10 12.06292 | 03 51 29.21 | +03 54 06.9 | 19.4 V | 557   |
| 1995 OD <sub>1</sub> | 1996 10 12.08378 | 03 51 28.73 | +03 53 59.4 |        | 557   |
| 1995 OD <sub>1</sub> | 1996 10 13.02365 | 03 51 08.00 | +03 48 26.8 |        | 557   |
| 1995 OD <sub>1</sub> | 1996 10 13.08480 | 03 51 06.56 | +03 48 05.2 |        | 557   |
| 1995 OE <sub>1</sub> | 1996 10 12.15397 | 06 03 37.36 | +20 24 51.2 |        | 557   |
| 1995 OE <sub>1</sub> | 1996 10 12.15709 | 06 03 37.50 | +20 24 51.0 |        | 557   |
| 1995 OE <sub>1</sub> | 1996 10 12.17300 | 06 03 37.93 | +20 24 50.0 |        | 557   |
| 1995 OE <sub>1</sub> | 1996 10 13.14738 | 06 04 05.29 | +20 23 52.1 |        | 557   |
| 1995 OE <sub>1</sub> | 1996 10 13.15074 | 06 04 05.39 | +20 23 51.5 |        | 557   |
| 1996 OO              | 1996 10 11.78515 | 20 18 54.10 | -07 51 50.3 |        | 557   |
| 1996 OO              | 1996 10 11.79574 | 20 18 54.31 | -07 51 51.2 |        | 557   |
| 1996 OO              | 1996 10 11.79881 | 20 18 54.36 | -07 51 51.2 |        | 557   |
| 1996 OO              | 1996 10 12.74188 | 20 19 12.73 | -07 53 28.0 |        | 557   |
| 1996 OO              | 1996 10 12.74759 | 20 19 12.83 | -07 53 28.5 |        | 557   |
| 1996 QD              | 1996 10 08.83209 | 21 22 41.64 | -02 33 11.4 |        | 557   |
| 1996 QD              | 1996 10 08.83455 | 21 22 41.70 | -02 33 12.3 |        | 557   |
| 1996 QD              | 1996 10 12.82272 | 21 24 31.60 | -02 58 32.2 |        | 557   |
| 1996 QD              | 1996 10 12.82584 | 21 24 31.68 | -02 58 34.0 |        | 557   |
| 1996 SK              | 1996 10 12.81140 | 22 00 39.84 | -10 38 53.7 |        | 557   |
| 1996 SK              | 1996 10 12.81449 | 22 00 39.42 | -10 38 56.1 |        | 557   |
| 1996 SK              | 1996 10 12.81778 | 22 00 38.97 | -10 38 58.6 |        | 557   |
| 1996 TO <sub>5</sub> | 1996 10 11.77789 | 20 54 11.36 | -19 16 27.3 | S      | 557   |
| 1996 TO <sub>5</sub> | 1996 10 11.78912 | 20 54 11.98 | -19 16 43.1 | S      | 557   |
| 1996 TO <sub>5</sub> | 1996 10 11.79203 | 20 54 12.01 | -19 16 45.7 | 19.0 V | S 557 |
| 1996 TQ <sub>6</sub> | 1996 10 11.88171 | 01 54 21.13 | +00 16 07.6 | r      | 557   |
| 1996 TQ <sub>6</sub> | 1996 10 11.88487 | 01 54 21.22 | +00 16 06.2 | r      | 557   |
| 1996 TQ <sub>6</sub> | 1996 10 11.88804 | 01 54 21.30 | +00 16 03.1 | r      | 557   |
| 1996 TQ <sub>6</sub> | 1996 10 11.89119 | 01 54 21.41 | +00 16 00.6 | r      | 557   |
| 1996 TQ <sub>6</sub> | 1996 10 12.92013 | 01 54 50.58 | +00 01 50.2 |        | 557   |
| 1996 TQ <sub>6</sub> | 1996 10 12.92652 | 01 54 50.72 | +00 01 44.7 |        | 557   |
| 1996 TQ <sub>6</sub> | 1996 10 12.92964 | 01 54 50.79 | +00 01 42.0 |        | 557   |
| 1996 TR <sub>6</sub> | 1996 10 11.93532 | 03 53 47.62 | +03 24 18.6 | r      | 557   |
| 1996 TR <sub>6</sub> | 1996 10 11.93855 | 03 53 47.48 | +03 24 11.9 | r      | 557   |
| 1996 TR <sub>6</sub> | 1996 10 11.94169 | 03 53 47.44 | +03 24 04.6 | r      | 557   |
| 1996 TR <sub>6</sub> | 1996 10 11.94498 | 03 53 47.37 | +03 23 55.7 | 19.5 V | r 557 |
| 1996 TV <sub>6</sub> | 1996 10 11.80422 | 01 26 03.63 | +13 11 24.3 | S      | 557   |
| 1996 TV <sub>6</sub> | 1996 10 11.80755 | 01 26 03.35 | +13 11 23.8 | S      | 557   |
| 1996 TV <sub>6</sub> | 1996 10 11.81069 | 01 26 03.22 | +13 11 21.9 | S      | 557   |
| 1996 TV <sub>6</sub> | 1996 10 11.81372 | 01 26 02.98 | +13 11 21.9 | 18.6 V | S 557 |
| 1996 TD <sub>8</sub> | 1996 10 13.80041 | 01 41 16.72 | +16 32 26.2 |        | 557   |
| 1996 TD <sub>8</sub> | 1996 10 13.80243 | 01 41 16.71 | +16 32 23.6 | 16.9 V | 557   |
| 1996 TD <sub>8</sub> | 1996 10 13.80435 | 01 41 16.68 | +16 32 20.7 |        | 557   |
| 1996 TD <sub>8</sub> | 1996 10 13.80644 | 01 41 16.67 | +16 32 18.1 |        | 557   |
| 1996 TA <sub>9</sub> | 1996 10 12.95932 | 01 47 53.16 | +11 17 40.4 |        | 557   |
| 1996 TA <sub>9</sub> | 1996 10 12.96229 | 01 47 53.00 | +11 17 45.7 |        | 557   |
| 1996 TA <sub>9</sub> | 1996 10 12.96525 | 01 47 52.82 | +11 17 51.3 |        | 557   |
| 1996 TD <sub>9</sub> | 1996 10 13.04503 | 01 40 50.15 | +17 34 00.7 | r      | 557   |
| 1996 TD <sub>9</sub> | 1996 10 13.04691 | 01 40 49.84 | +17 33 49.8 | r      | 557   |
| 1996 TD <sub>9</sub> | 1996 10 13.05281 | 01 40 49.10 | +17 33 10.9 | r      | 557   |
| 1996 TD <sub>9</sub> | 1996 10 13.05475 | 01 40 48.87 | +17 32 57.2 | 19.1 V | r 557 |
| 1996 TD <sub>9</sub> | 1996 10 13.92395 | 01 39 26.86 | +16 04 33.6 |        | 557   |

## M.P.C. 27990

1996 OCT. 26

|                      |                  |             |             |        |       |
|----------------------|------------------|-------------|-------------|--------|-------|
| 1996 TD <sub>9</sub> | 1996 10 13.92584 | 01 39 26.64 | +16 04 22.9 |        | 557   |
| 1996 TD <sub>9</sub> | 1996 10 13.92868 | 01 39 26.30 | +16 04 06.8 |        | 557   |
| 1996 TD <sub>9</sub> | 1996 10 13.93125 | 01 39 25.94 | +16 03 52.5 | 19.3 V | 557   |
| 1996 TD <sub>9</sub> | 1996 10 15.11014 | 01 37 42.29 | +14 20 19.3 |        | S 557 |
| 1996 TD <sub>9</sub> | 1996 10 15.11338 | 01 37 42.06 | +14 20 01.5 |        | S 557 |
| 1996 TD <sub>9</sub> | 1996 10 15.11674 | 01 37 41.71 | +14 19 45.2 |        | S 557 |
| 1996 TD <sub>9</sub> | 1996 10 15.11968 | 01 37 41.44 | +14 19 32.2 |        | S 557 |
| 1996 TD <sub>9</sub> | 1996 10 15.12302 | 01 37 41.04 | +14 19 14.9 |        | S 557 |
| 1996 TE <sub>9</sub> | 1996 10 13.96801 | 23 09 21.09 | -04 48 03.4 |        | 557   |
| 1996 TE <sub>9</sub> | 1996 10 13.97000 | 23 09 20.84 | -04 47 53.4 |        | 557   |
| 1996 TE <sub>9</sub> | 1996 10 14.90716 | 23 07 39.32 | -03 25 43.3 |        | 557   |
| 1996 TE <sub>9</sub> | 1996 10 14.91003 | 23 07 39.01 | -03 25 28.5 |        | 557   |
| 1996 TE <sub>9</sub> | 1996 10 14.91156 | 23 07 38.82 | -03 25 20.4 |        | 557   |
| (626)                | 1996 10 13.72414 | 23 12 21.30 | +20 43 48.9 |        | 557   |
| (626)                | 1996 10 13.73150 | 23 12 20.80 | +20 43 51.1 |        | 557   |
| (626)                | 1996 10 13.73885 | 23 12 20.28 | +20 43 53.3 |        | 557   |
| (626)                | 1996 10 13.74729 | 23 12 19.68 | +20 43 55.9 |        | 557   |
| (3122)               | 1996 10 04.06713 | 08 58 38.13 | +40 29 14.2 | 16.8 V | 557   |
| (3122)               | 1996 10 04.11953 | 08 58 47.55 | +40 28 50.4 | 16.9 V | 557   |
| (3122)               | 1996 10 04.15022 | 08 58 53.06 | +40 28 36.6 | 16.8 V | 557   |
| (3908)               | 1996 09 30.74300 | 21 02 49.39 | +05 49 59.2 |        | 557   |
| (3908)               | 1996 09 30.76218 | 21 02 51.20 | +05 50 39.1 |        | 557   |
| (3908)               | 1996 09 30.80389 | 21 02 55.11 | +05 52 05.4 |        | 557   |
| (3908)               | 1996 09 30.83297 | 21 02 57.84 | +05 53 05.5 |        | 557   |
| (3908)               | 1996 10 03.76977 | 21 09 31.27 | +07 41 41.5 | 14.2 V | 557   |
| (3908)               | 1996 10 03.83087 | 21 09 39.11 | +07 44 06.8 | 14.1 V | 557   |
| (3908)               | 1996 10 03.90267 | 21 09 48.52 | +07 46 56.7 | 14.2 V | 557   |
| (3908)               | 1996 10 03.96513 | 21 09 57.11 | +07 49 24.0 | 14.3 V | 557   |
| (4197)               | 1996 10 08.79815 | 02 07 32.55 | +24 04 01.9 | 13.2 R | 557   |
| (4197)               | 1996 10 08.82343 | 02 07 30.49 | +24 05 41.2 | 13.4 V | 557   |
| (4197)               | 1996 10 08.86583 | 02 07 26.95 | +24 08 28.2 | 13.6 V | 557   |
| (4197)               | 1996 10 08.89987 | 02 07 24.03 | +24 10 42.4 | 13.0 R | 557   |
| (4197)               | 1996 10 08.92933 | 02 07 21.46 | +24 12 38.7 | 13.6 V | 557   |
| (4197)               | 1996 10 08.96047 | 02 07 18.69 | +24 14 41.6 | 13.5 V | 557   |
| (5143)               | 1996 10 14.95383 | 02 06 43.32 | +31 00 02.3 |        | 557   |
| (5143)               | 1996 10 14.97258 | 02 06 40.98 | +31 00 00.8 |        | 557   |
| (5143)               | 1996 10 14.98561 | 02 06 39.35 | +30 59 59.7 |        | 557   |

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0.40-m  $f/3.5$  reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1983 RE              | 1996 09 13.84214 | 21 48 30.45 | -04 50 47.1 | 17.8 V | 560 |
| 1983 RE              | 1996 09 13.85139 | 21 48 30.13 | -04 50 50.2 |        | 560 |
| 1983 RE              | 1996 09 13.85991 | 21 48 29.67 | -04 50 51.5 |        | 560 |
| 1985 RV              | 1996 08 04.90154 | 19 38 11.95 | -05 32 26.1 | 17.9 V | 560 |
| 1985 RV              | 1996 08 04.90898 | 19 38 11.59 | -05 32 25.1 |        | 560 |
| 1985 RV              | 1996 08 04.91977 | 19 38 11.27 | -05 32 23.8 |        | 560 |
| 1988 RB <sub>6</sub> | 1996 08 04.90641 | 19 35 37.59 | -05 23 37.3 | 17.0 V | 560 |
| 1988 RB <sub>6</sub> | 1996 08 04.91175 | 19 35 37.44 | -05 23 40.2 |        | 560 |
| 1988 RB <sub>6</sub> | 1996 08 04.91719 | 19 35 37.21 | -05 23 44.4 |        | 560 |

|          |                  |             |             |        |     |
|----------|------------------|-------------|-------------|--------|-----|
| 4025 P-L | 1996 09 13.84723 | 21 47 26.47 | -04 29 12.2 | 17.2 V | 560 |
| 4025 P-L | 1996 09 13.85570 | 21 47 26.01 | -04 29 16.7 |        | 560 |
| 4025 P-L | 1996 09 13.86396 | 21 47 25.84 | -04 29 22.4 |        | 560 |
| (801)    | 1996 08 09.91049 | 19 45 23.23 | -01 55 38.7 | 16.2 V | 560 |
| (801)    | 1996 08 09.91553 | 19 45 23.04 | -01 55 40.2 |        | 560 |
| (801)    | 1996 08 09.92071 | 19 45 22.83 | -01 55 41.9 |        | 560 |
| (801)    | 1996 08 13.86726 | 19 42 51.56 | -02 24 36.2 | 16.3 V | 560 |
| (801)    | 1996 08 13.87621 | 19 42 51.26 | -02 24 40.4 |        | 560 |
| (801)    | 1996 08 13.88451 | 19 42 50.92 | -02 24 43.6 |        | 560 |
| (3333)   | 1996 08 09.90760 | 19 43 55.15 | -01 44 50.0 | 16.0 V | 560 |
| (3333)   | 1996 08 09.91308 | 19 43 54.96 | -01 44 50.7 |        | 560 |
| (3333)   | 1996 08 09.91808 | 19 43 54.84 | -01 44 52.1 |        | 560 |
| (5744)   | 1996 08 20.91921 | 21 36 14.30 | -07 40 46.3 | 16.3 V | 560 |
| (5744)   | 1996 08 20.92602 | 21 36 13.88 | -07 40 50.8 |        | 560 |
| (5744)   | 1996 08 20.93050 | 21 36 13.60 | -07 40 52.9 |        | 560 |
| (5893)   | 1996 09 14.92121 | 22 42 51.92 | -05 02 39.0 | 17.6 V | 560 |
| (5893)   | 1996 09 14.92958 | 22 42 51.45 | -05 02 45.2 |        | 560 |
| (5893)   | 1996 09 14.93749 | 22 42 51.03 | -05 02 49.2 |        | 560 |
| (7093)   | 1996 08 20.91921 | 21 36 27.03 | -07 45 41.8 | 15.8 V | 560 |
| (7093)   | 1996 08 20.92602 | 21 36 26.73 | -07 45 47.5 |        | 560 |
| (7093)   | 1996 08 20.93050 | 21 36 26.55 | -07 45 52.9 |        | 560 |

## 563 Seewalchen

M. Bressler, Sachsenstrasse 40, A-4863 Seewalchen a. A., Austria

0.25-m  $f/6$  reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1980 WE <sub>5</sub> | 1996 09 19.87723 | 23 48 13.71 | +16 17 35.2 | 16.7 R | 563 |
| 1980 WE <sub>5</sub> | 1996 09 19.87988 | 23 48 13.57 | +16 17 32.7 | 16.6 R | 563 |
| 1980 WE <sub>5</sub> | 1996 09 19.89230 | 23 48 13.15 | +16 17 29.2 | 16.7 R | 563 |
| 1980 WE <sub>5</sub> | 1996 09 19.90073 | 23 48 12.69 | +16 17 25.6 | 16.6 R | 563 |
| 1988 VH <sub>1</sub> | 1996 09 19.92325 | 23 47 11.16 | +06 59 36.2 | 15.2 R | 563 |
| 1988 VH <sub>1</sub> | 1996 09 19.92963 | 23 47 10.79 | +06 59 34.3 | 15.2 R | 563 |
| 1988 VH <sub>1</sub> | 1996 09 19.93404 | 23 47 10.58 | +06 59 32.5 | 15.2 R | 563 |
| 1988 VH <sub>1</sub> | 1996 09 19.94515 | 23 47 10.03 | +06 59 28.6 | 15.0 R | 563 |
| (1583)               | 1996 09 18.99266 | 22 47 07.47 | +22 04 21.8 | 14.6 R | 563 |
| (1583)               | 1996 09 18.99745 | 22 47 07.29 | +22 04 19.8 | 14.6 R | 563 |
| (1583)               | 1996 09 19.00212 | 22 47 07.16 | +22 04 17.7 | 14.6 R | 563 |
| (1583)               | 1996 09 19.00843 | 22 47 06.99 | +22 04 15.5 | 14.6 R | 563 |
| (7109)               | 1996 09 17.90799 | 22 38 15.44 | +01 59 01.9 | 15.6 R | 563 |
| (7109)               | 1996 09 17.91083 | 22 38 15.31 | +01 58 59.5 | 15.9 R | 563 |
| (7109)               | 1996 09 17.92096 | 22 38 14.94 | +01 58 52.9 | 16.0 R | 563 |
| (7151)               | 1996 09 17.86745 | 23 16 50.69 | +02 45 40.8 | 14.9 R | 563 |
| (7151)               | 1996 09 17.87021 | 23 16 50.60 | +02 45 39.7 | 15.0 R | 563 |
| (7151)               | 1996 09 17.87297 | 23 16 50.46 | +02 45 38.1 | 15.1 R | 563 |
| (7151)               | 1996 09 17.87575 | 23 16 50.34 | +02 45 36.1 | 15.2 R | 563 |
| (7170)               | 1996 09 18.91181 | 22 56 25.44 | +01 39 22.5 | 15.5 R | 563 |
| (7170)               | 1996 09 18.91602 | 22 56 25.20 | +01 39 22.9 | 15.8 R | 563 |
| (7170)               | 1996 09 18.92021 | 22 56 24.97 | +01 39 22.6 | 16.0 R | 563 |
| (7170)               | 1996 09 18.92439 | 22 56 24.74 | +01 39 22.7 | 16.2 R | 563 |

## 566 Haleakala-NEAT/GEODSS

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C. Clark, R. Bamberg, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel,  
C. Cotton, D. Bascon

1-m  $f/2.2$  Ritchey-Chrétien + CCD

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1973 SM <sub>1</sub>  | 1996 10 09.49980 | 00 30 49.98 | +04 58 09.0 | 19.8 V | 566 |
| 1973 SM <sub>1</sub>  | 1996 10 09.51015 | 00 30 49.72 | +04 58 05.5 | 19.8 V | 566 |
| 1973 SM <sub>1</sub>  | 1996 10 09.51858 | 00 30 49.47 | +04 58 02.9 | 19.3 V | 566 |
| 1981 EC <sub>21</sub> | 1996 10 11.30844 | 22 58 23.26 | -08 50 31.7 | 20.3 V | 566 |
| 1981 EC <sub>21</sub> | 1996 10 11.34521 | 22 58 22.06 | -08 50 33.8 | 18.8 V | 566 |
| 1981 EC <sub>21</sub> | 1996 10 11.35580 | 22 58 21.70 | -08 50 34.4 | 19.1 V | 566 |
| 1982 KK <sub>1</sub>  | 1996 06 17.55986 | 19 38 22.79 | -22 05 59.2 | 17.7 V | 566 |
| 1982 KK <sub>1</sub>  | 1996 06 17.57832 | 19 38 22.05 | -22 06 04.9 | 17.8 V | 566 |
| 1982 KK <sub>1</sub>  | 1996 06 17.59661 | 19 38 21.33 | -22 06 10.2 | 17.7 V | 566 |
| 1984 EU <sub>1</sub>  | 1996 10 09.58996 | 01 54 10.46 | +16 47 28.2 | 18.2 V | 566 |
| 1984 EU <sub>1</sub>  | 1996 10 09.59839 | 01 54 09.95 | +16 47 26.5 | 18.1 V | 566 |
| 1984 EU <sub>1</sub>  | 1996 10 09.60679 | 01 54 09.45 | +16 47 24.7 | 17.9 V | 566 |
| 1986 RF <sub>7</sub>  | 1996 10 18.49969 | 02 32 38.53 | +11 06 44.2 | 17.2 V | 566 |
| 1986 RF <sub>7</sub>  | 1996 10 18.51033 | 02 32 37.87 | +11 06 40.4 | 17.3 V | 566 |
| 1986 RF <sub>7</sub>  | 1996 10 18.51890 | 02 32 37.34 | +11 06 37.5 | 17.2 V | 566 |
| 1988 RB <sub>6</sub>  | 1996 10 18.22649 | 20 21 42.18 | -17 04 37.5 | 18.9 V | 566 |
| 1988 RB <sub>6</sub>  | 1996 10 18.23494 | 20 21 42.95 | -17 04 38.4 | 18.3 V | 566 |
| 1988 RB <sub>6</sub>  | 1996 10 18.24343 | 20 21 43.76 | -17 04 39.7 | 18.3 V | 566 |
| 1988 SZ <sub>2</sub>  | 1996 10 13.38827 | 23 58 55.95 | -03 44 51.7 | 19.5 V | 566 |
| 1988 SZ <sub>2</sub>  | 1996 10 13.39669 | 23 58 55.70 | -03 44 53.6 | 19.1 V | 566 |
| 1988 SZ <sub>2</sub>  | 1996 10 13.40511 | 23 58 55.40 | -03 44 54.8 | 19.2 V | 566 |
| 1989 JA               | 1996 10 19.35495 | 00 38 54.64 | -36 50 32.2 | 17.9 V | 566 |
| 1989 JA               | 1996 10 19.36350 | 00 38 54.19 | -36 49 56.9 | 17.9 V | 566 |
| 1989 JA               | 1996 10 19.37203 | 00 38 53.71 | -36 49 22.1 | 17.8 V | 566 |
| 1991 GC <sub>1</sub>  | 1996 10 13.38827 | 23 57 31.64 | -04 00 47.4 | 18.9 V | 566 |
| 1991 GC <sub>1</sub>  | 1996 10 13.39669 | 23 57 31.18 | -04 00 47.1 | 19.0 V | 566 |
| 1991 GC <sub>1</sub>  | 1996 10 13.40511 | 23 57 30.72 | -04 00 46.9 | 18.9 V | 566 |
| 1991 GP <sub>6</sub>  | 1996 10 08.58780 | 02 01 09.47 | +11 37 03.8 | 20.4 V | 566 |
| 1991 GP <sub>6</sub>  | 1996 10 08.59621 | 02 01 09.01 | +11 37 01.3 | 20.1 V | 566 |
| 1991 GP <sub>6</sub>  | 1996 10 08.60458 | 02 01 08.55 | +11 36 58.2 | 20.4 V | 566 |
| 1991 GP <sub>6</sub>  | 1996 10 09.58792 | 02 00 17.17 | +11 31 39.3 | 19.5 V | 566 |
| 1991 GP <sub>6</sub>  | 1996 10 09.59630 | 02 00 16.78 | +11 31 36.0 | 19.5 V | 566 |
| 1991 GP <sub>6</sub>  | 1996 10 09.60472 | 02 00 16.31 | +11 31 33.3 | 19.8 V | 566 |
| 1991 GA <sub>9</sub>  | 1996 10 11.45367 | 00 16 31.02 | +04 34 59.9 | 18.1 V | 566 |
| 1991 GA <sub>9</sub>  | 1996 10 11.46429 | 00 16 30.46 | +04 34 54.7 | 18.2 V | 566 |
| 1991 GA <sub>9</sub>  | 1996 10 11.47425 | 00 16 29.96 | +04 34 49.9 | 18.1 V | 566 |
| 1991 GG <sub>10</sub> | 1996 10 18.47637 | 01 28 39.18 | +01 17 42.8 | 17.7 V | 566 |
| 1991 GG <sub>10</sub> | 1996 10 18.48478 | 01 28 38.68 | +01 17 39.8 | 17.6 V | 566 |
| 1991 GG <sub>10</sub> | 1996 10 18.49322 | 01 28 38.14 | +01 17 37.0 | 17.7 V | 566 |
| 1992 RJ <sub>3</sub>  | 1996 10 12.54431 | 01 38 04.80 | +18 35 32.8 | 17.9 V | 566 |
| 1992 RJ <sub>3</sub>  | 1996 10 12.55291 | 01 38 04.24 | +18 35 31.2 | 17.9 V | 566 |
| 1992 RJ <sub>3</sub>  | 1996 10 12.56131 | 01 38 03.69 | +18 35 29.7 | 17.8 V | 566 |
| 1992 ST <sub>1</sub>  | 1996 10 19.24768 | 20 15 13.05 | -17 54 04.1 | 17.7 V | 566 |
| 1992 ST <sub>1</sub>  | 1996 10 19.25620 | 20 15 13.65 | -17 54 01.0 | 17.9 V | 566 |
| 1992 ST <sub>1</sub>  | 1996 10 19.26468 | 20 15 14.23 | -17 53 58.0 | 17.9 V | 566 |
| 1993 FM <sub>16</sub> | 1996 10 08.61086 | 03 18 44.59 | +14 04 21.5 | 18.7 V | 566 |
| 1993 FM <sub>16</sub> | 1996 10 08.62142 | 03 18 44.27 | +14 04 21.0 | 18.7 V | 566 |
| 1993 FM <sub>16</sub> | 1996 10 08.63177 | 03 18 44.01 | +14 04 20.7 | 18.8 V | 566 |

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1993 VN <sub>2</sub> | 1996 10 17.25318 | 21 21 57.23 | -16 17 56.3 | 19.0 V | 566 |
| 1993 VN <sub>2</sub> | 1996 10 17.26163 | 21 21 57.73 | -16 17 55.0 | 19.7 V | 566 |
| 1993 VN <sub>2</sub> | 1996 10 17.27004 | 21 21 58.19 | -16 17 54.2 | 20.0 V | 566 |
| 1994 AD              | 1996 10 18.29465 | 23 36 41.72 | -02 39 45.2 | 19.8 V | 566 |
| 1994 AD              | 1996 10 18.30734 | 23 36 41.27 | -02 39 47.7 | 19.6 V | 566 |
| 1994 AD              | 1996 10 18.31581 | 23 36 40.92 | -02 39 49.6 | 19.5 V | 566 |
| 1994 CQ              | 1996 10 09.49980 | 00 29 51.29 | +05 46 01.6 | 18.2 V | 566 |
| 1994 CQ              | 1996 10 09.51015 | 00 29 50.71 | +05 45 58.1 | 18.2 V | 566 |
| 1994 CQ              | 1996 10 09.51858 | 00 29 50.19 | +05 45 54.9 | 18.0 V | 566 |
| 1995 AO <sub>4</sub> | 1996 03 23.38531 | 12 13 11.24 | -06 27 18.6 | 17.5 V | 566 |
| 1995 AO <sub>4</sub> | 1996 03 23.40613 | 12 13 10.14 | -06 27 12.6 | 17.6 V | 566 |
| 1995 AO <sub>4</sub> | 1996 03 23.42830 | 12 13 08.98 | -06 27 06.2 | 17.9 V | 566 |
| 1995 FT              | 1996 10 11.29372 | 23 01 37.01 | -09 20 27.2 | 19.1 V | 566 |
| 1995 FT              | 1996 10 11.30436 | 23 01 36.60 | -09 20 29.4 | 20.0 V | 566 |
| 1995 FT              | 1996 10 11.34323 | 23 01 35.49 | -09 20 36.6 | 19.1 V | 566 |
| 1995 KH              | 1996 10 18.32594 | 00 21 39.04 | -00 10 40.8 | 19.3 V | 566 |
| 1995 KH              | 1996 10 18.33459 | 00 21 38.59 | -00 10 43.5 | 19.1 V | 566 |
| 1995 KH              | 1996 10 18.34304 | 00 21 38.13 | -00 10 46.3 | 19.2 V | 566 |
| 1996 ND <sub>5</sub> | 1996 08 19.43769 | 22 02 59.63 | -11 37 57.4 | 17.9 V | 566 |
| 1996 ND <sub>5</sub> | 1996 08 19.44612 | 22 02 59.23 | -11 37 59.8 | 18.0 V | 566 |
| 1996 ND <sub>5</sub> | 1996 08 19.45646 | 22 02 58.73 | -11 38 02.1 | 18.1 V | 566 |
| 1996 NE <sub>5</sub> | 1996 09 11.52273 | 21 44 50.63 | -11 52 28.7 | 18.5 V | 566 |
| 1996 NE <sub>5</sub> | 1996 09 11.53111 | 21 44 50.31 | -11 52 30.6 | 19.1 V | 566 |
| 1996 NE <sub>5</sub> | 1996 09 11.55153 | 21 44 49.63 | -11 52 33.7 | 19.3 V | 566 |
| 1996 NG <sub>5</sub> | 1996 08 12.47776 | 22 08 07.88 | -12 42 55.6 | 18.2 V | 566 |
| 1996 NG <sub>5</sub> | 1996 08 12.48620 | 22 08 07.37 | -12 42 57.2 | 18.2 V | 566 |
| 1996 NG <sub>5</sub> | 1996 08 12.49461 | 22 08 06.82 | -12 42 59.3 | 18.2 V | 566 |
| 1996 NK <sub>5</sub> | 1996 09 17.33868 | 21 46 59.61 | -12 55 05.3 | 18.9 V | 566 |
| 1996 NK <sub>5</sub> | 1996 09 17.34711 | 21 46 59.35 | -12 55 06.9 | 18.9 V | 566 |
| 1996 NK <sub>5</sub> | 1996 09 17.35554 | 21 46 59.09 | -12 55 07.9 | 19.1 V | 566 |
| 1996 PK              | 1996 10 11.53926 | 00 56 53.35 | +06 57 35.5 | 18.7 V | 566 |
| 1996 PK              | 1996 10 11.54785 | 00 56 52.84 | +06 57 33.2 | 18.6 V | 566 |
| 1996 PK              | 1996 10 11.55636 | 00 56 52.37 | +06 57 30.5 | 18.7 V | 566 |
| 1996 PW              | 1996 10 11.28530 | 22 23 30.45 | -27 07 53.3 | 19.3 V | 566 |
| 1996 PW              | 1996 10 11.30216 | 22 23 30.92 | -27 07 58.8 | 19.2 V | 566 |
| 1996 PW              | 1996 10 11.34730 | 22 23 32.07 | -27 08 12.9 | 19.7 V | 566 |
| 1996 PW <sub>2</sub> | 1996 09 13.31494 | 21 59 38.67 | -16 26 04.7 | 18.6 V | 566 |
| 1996 PW <sub>2</sub> | 1996 09 13.32651 | 21 59 38.30 | -16 26 05.9 | 18.9 V | 566 |
| 1996 PW <sub>2</sub> | 1996 09 13.33560 | 21 59 37.96 | -16 26 07.8 | 19.0 V | 566 |
| 1996 PB <sub>5</sub> | 1996 09 14.31195 | 21 41 34.31 | -10 15 42.7 | 19.5 V | 566 |
| 1996 PB <sub>5</sub> | 1996 09 14.31391 | 21 41 34.25 | -10 15 43.2 | 18.2 V | 566 |
| 1996 PB <sub>5</sub> | 1996 09 14.32402 | 21 41 33.79 | -10 15 44.9 | 18.6 V | 566 |
| 1996 PB <sub>5</sub> | 1996 09 14.32775 | 21 41 33.69 | -10 15 44.6 | 18.4 V | 566 |
| 1996 PB <sub>5</sub> | 1996 09 14.33334 | 21 41 33.40 | -10 15 45.1 | 19.0 V | 566 |
| 1996 PB <sub>5</sub> | 1996 09 14.33813 | 21 41 33.24 | -10 15 45.8 | 18.4 V | 566 |
| 1996 QG <sub>1</sub> | 1996 06 22.56072 | 22 36 02.59 | -08 16 27.7 | 19.9 V | 566 |
| 1996 QG <sub>1</sub> | 1996 06 22.57755 | 22 36 03.43 | -08 16 22.7 | 19.9 V | 566 |
| 1996 QG <sub>1</sub> | 1996 06 22.59430 | 22 36 04.28 | -08 16 17.8 | 20.1 V | 566 |
| 1996 RV              | 1996 10 17.28514 | 23 22 32.25 | +20 32 26.8 | 18.2 V | 566 |
| 1996 RV              | 1996 10 17.29420 | 23 22 32.19 | +20 32 09.0 | 18.1 V | 566 |
| 1996 RV              | 1996 10 17.30300 | 23 22 32.11 | +20 31 52.2 | 18.2 V | 566 |
| 1996 RB <sub>1</sub> | 1996 10 08.38491 | 23 16 16.81 | -06 23 04.8 | 20.2 V | 566 |

|                       |                  |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RB <sub>1</sub>  | 1996 10 08.39332 | 23 16 16.45 | -06 23 05.1 | 19.8 V | 566 | 1996 RK <sub>24</sub> | 1996 09 18.38520   | 22 39 48.10 | -03 54 41.0 | 18.6 V | 566 |
| 1996 RB <sub>1</sub>  | 1996 10 08.40211 | 23 16 16.11 | -06 23 05.4 | 19.8 V | 566 | 1996 RM <sub>24</sub> | 1996 09 14.39923   | 23 17 24.69 | -04 27 58.2 | 18.1 V | 566 |
| 1996 RP <sub>2</sub>  | 1996 10 09.50404 | 00 32 05.90 | +06 05 41.9 | 19.6 V | 566 | 1996 RM <sub>24</sub> | 1996 09 14.40772   | 23 17 24.33 | -04 28 02.0 | 18.2 V | 566 |
| 1996 RP <sub>2</sub>  | 1996 10 09.51244 | 00 32 05.57 | +06 05 40.2 | 19.5 V | 566 | 1996 RM <sub>24</sub> | 1996 09 14.41746   | 23 17 23.92 | -04 28 06.2 | 18.2 V | 566 |
| 1996 RP <sub>2</sub>  | 1996 10 09.52086 | 00 32 05.16 | +06 05 37.9 | 19.6 V | 566 | 1996 RN <sub>24</sub> | 1996 09 18.36242   | 22 55 57.67 | -04 31 34.9 | 19.0 V | 566 |
| 1996 RB <sub>3</sub>  | 1996 10 08.35466 | 23 01 42.13 | +07 44 30.0 | 19.3 V | 566 | 1996 RN <sub>24</sub> | 1996 09 18.37227   | 22 55 57.16 | -04 31 36.9 | 18.6 V | 566 |
| 1996 RB <sub>3</sub>  | 1996 10 08.36312 | 23 01 41.19 | +07 44 36.9 | 19.3 V | 566 | 1996 RN <sub>24</sub> | 1996 09 18.38083   | 22 55 56.75 | -04 31 39.1 | 19.0 V | 566 |
| 1996 RB <sub>3</sub>  | 1996 10 08.37158 | 23 01 40.26 | +07 44 44.0 | 18.9 V | 566 | 1996 RO <sub>24</sub> | 1996 09 10.43548   | 22 53 08.66 | -08 46 23.8 | 18.0 V | 566 |
| 1996 RS <sub>3</sub>  | 1996 10 10.37301 | 23 29 12.46 | -03 43 05.2 | 19.2 V | 566 | 1996 RO <sub>24</sub> | 1996 09 10.44390   | 22 53 08.34 | -08 46 30.3 | 18.1 V | 566 |
| 1996 RS <sub>3</sub>  | 1996 10 10.38140 | 23 29 12.10 | -03 43 06.7 | 19.4 V | 566 | 1996 RO <sub>24</sub> | 1996 09 10.45231   | 22 53 08.01 | -08 46 36.6 | 17.9 V | 566 |
| 1996 RS <sub>3</sub>  | 1996 10 10.38980 | 23 29 11.77 | -03 43 07.8 | 19.6 V | 566 | 1996 RP <sub>24</sub> | 1996 09 10.43548   | 22 54 44.17 | -08 08 48.1 | 18.0 V | 566 |
| 1996 RC <sub>4</sub>  | 1996 10 08.46132 | 00 32 17.21 | -16 29 00.5 | 18.6 V | 566 | 1996 RP <sub>24</sub> | 1996 09 10.44390   | 22 54 43.68 | -08 08 50.1 | 18.2 V | 566 |
| 1996 RC <sub>4</sub>  | 1996 10 08.47197 | 00 32 16.75 | -16 29 34.7 | 18.3 V | 566 | 1996 RP <sub>24</sub> | 1996 09 10.45231   | 22 54 43.18 | -08 08 52.1 | 18.1 V | 566 |
| 1996 RC <sub>4</sub>  | 1996 10 08.48091 | 00 32 16.38 | -16 30 03.9 | 18.3 V | 566 | 1996 RQ <sub>24</sub> | 1996 09 14.39923   | 23 14 16.34 | -04 23 25.7 | 18.0 V | 566 |
| 1996 RC <sub>4</sub>  | 1996 10 18.31317 | 00 27 14.91 | -24 34 10.0 | 18.1 V | 566 | 1996 RQ <sub>24</sub> | 1996 09 14.40772   | 23 14 15.81 | -04 23 27.1 | 18.1 V | 566 |
| 1996 RC <sub>4</sub>  | 1996 10 18.32192 | 00 27 14.65 | -24 34 33.2 | 18.1 V | 566 | 1996 RQ <sub>24</sub> | 1996 09 14.41746   | 23 14 15.15 | -04 23 27.8 | 18.3 V | 566 |
| 1996 RC <sub>4</sub>  | 1996 10 18.33043 | 00 27 14.35 | -24 34 55.2 | 17.9 V | 566 | 1996 RR <sub>24</sub> | 1996 09 17.46797   | 23 31 43.04 | -02 23 04.6 | 18.9 V | 566 |
| 1996 RO <sub>5</sub>  | 1996 08 15.61035 | 22 29 20.78 | -07 48 42.6 | 17.4 V | 566 | 1996 RR <sub>24</sub> | 1996 09 17.47638   | 23 31 42.68 | -02 23 09.3 | 18.9 V | 566 |
| 1996 RO <sub>5</sub>  | 1996 08 15.62256 | 22 29 20.23 | -07 48 50.1 | 17.4 V | 566 | 1996 RR <sub>24</sub> | 1996 09 17.48858   | 23 31 42.12 | -02 23 16.4 | 18.9 V | 566 |
| 1996 RO <sub>5</sub>  | 1996 08 15.63511 | 22 29 19.60 | -07 48 57.3 | 17.7 V | 566 | 1996 RS <sub>24</sub> | 1996 09 14.44580   | 23 59 44.10 | -01 33 10.0 | 18.0 V | 566 |
| 1996 RT <sub>5</sub>  | 1996 10 11.60275 | 01 37 18.61 | +12 37 23.8 | 19.0 V | 566 | 1996 RS <sub>24</sub> | 1996 09 14.45424   | 23 59 43.66 | -01 33 14.8 | 18.1 V | 566 |
| 1996 RT <sub>5</sub>  | 1996 10 11.61114 | 01 37 18.06 | +12 37 23.8 | 18.7 V | 566 | 1996 RS <sub>24</sub> | 1996 09 14.46274   | 23 59 43.23 | -01 33 19.7 | 18.5 V | 566 |
| 1996 RT <sub>5</sub>  | 1996 10 11.61953 | 01 37 17.53 | +12 37 22.9 | 19.0 V | 566 | 1996 RT <sub>24</sub> | * 1996 09 08.61323 | 00 04 38.80 | +00 13 01.3 | 19.4 V | 566 |
| 1996 RF <sub>17</sub> | 1996 10 11.40198 | 23 35 54.31 | -01 39 06.6 | 19.0 V | 566 | 1996 RT <sub>24</sub> | 1996 09 08.62254   | 00 04 38.39 | +00 12 58.5 | 19.1 V | 566 |
| 1996 RF <sub>17</sub> | 1996 10 11.41040 | 23 35 53.94 | -01 39 07.9 | 19.1 V | 566 | 1996 RT <sub>24</sub> | 1996 09 08.63094   | 00 04 37.98 | +00 12 56.4 | 19.1 V | 566 |
| 1996 RF <sub>17</sub> | 1996 10 11.42100 | 23 35 53.46 | -01 39 08.9 | 19.2 V | 566 | 1996 RT <sub>24</sub> | 1996 10 11.38299   | 23 38 37.88 | -02 19 03.5 | 19.4 V | 566 |
| 1996 RZ <sub>18</sub> | 1996 10 11.38299 | 23 38 46.08 | -03 06 10.3 | 19.1 V | 566 | 1996 RT <sub>24</sub> | 1996 10 11.39310   | 23 38 37.46 | -02 19 06.0 | 19.4 V | 566 |
| 1996 RZ <sub>18</sub> | 1996 10 11.39310 | 23 38 45.74 | -03 06 12.9 | 19.8 V | 566 | 1996 RT <sub>24</sub> | 1996 10 11.40405   | 23 38 37.02 | -02 19 08.8 | 19.3 V | 566 |
| 1996 RZ <sub>18</sub> | 1996 10 11.40405 | 23 38 45.35 | -03 06 16.0 | 19.4 V | 566 | 1996 RU <sub>24</sub> | * 1996 09 08.61892 | 00 03 20.33 | +01 20 16.7 | 19.6 V | 566 |
| 1996 RA <sub>19</sub> | 1996 10 11.38299 | 23 38 55.69 | -01 47 06.6 | 19.9 V | 566 | 1996 RU <sub>24</sub> | 1996 09 08.62731   | 00 03 19.92 | +01 20 11.9 | 19.2 V | 566 |
| 1996 RA <sub>19</sub> | 1996 10 11.39310 | 23 38 55.26 | -01 47 07.5 | 19.9 V | 566 | 1996 RU <sub>24</sub> | 1996 09 08.63570   | 00 03 19.57 | +01 20 07.3 | 19.7 V | 566 |
| 1996 RA <sub>19</sub> | 1996 10 11.40405 | 23 38 54.84 | -01 47 09.1 | 19.9 V | 566 | 1996 RV <sub>24</sub> | * 1996 09 09.58734 | 22 53 51.11 | -09 46 30.0 | 19.1 V | 566 |
| 1996 RE <sub>20</sub> | 1996 09 17.37226 | 23 05 17.75 | -09 42 33.3 | 19.0 V | 566 | 1996 RV <sub>24</sub> | 1996 09 09.59573   | 22 53 50.67 | -09 46 31.8 | 19.5 V | 566 |
| 1996 RE <sub>20</sub> | 1996 09 17.38069 | 23 05 17.41 | -09 42 35.2 | 19.1 V | 566 | 1996 RV <sub>24</sub> | 1996 09 09.60413   | 22 53 50.25 | -09 46 34.2 | 19.6 V | 566 |
| 1996 RE <sub>20</sub> | 1996 09 17.38912 | 23 05 16.98 | -09 42 37.3 | 19.1 V | 566 | 1996 RW <sub>24</sub> | * 1996 09 09.59133 | 22 51 10.44 | -07 49 31.6 | 18.5 V | 566 |
| 1996 RZ <sub>20</sub> | 1996 09 13.44307 | 23 45 20.41 | -00 16 04.3 | 17.9 V | 566 | 1996 RW <sub>24</sub> | 1996 09 09.59974   | 22 51 10.13 | -07 49 37.1 | 19.1 V | 566 |
| 1996 RZ <sub>20</sub> | 1996 09 13.45355 | 23 45 19.69 | -00 16 05.2 | 17.9 V | 566 | 1996 RW <sub>24</sub> | 1996 09 09.60813   | 22 51 09.81 | -07 49 42.7 | 18.9 V | 566 |
| 1996 RZ <sub>20</sub> | 1996 09 13.46291 | 23 45 19.03 | -00 16 06.0 | 17.9 V | 566 | 1996 RX <sub>24</sub> | 1996 09 16.34399   | 22 55 30.09 | -10 09 33.9 | 17.2 V | 566 |
| 1996 RO <sub>22</sub> | 1996 09 17.36857 | 22 56 05.66 | -09 21 55.8 | 19.1 V | 566 | 1996 RX <sub>24</sub> | 1996 09 16.35838   | 22 55 29.49 | -10 09 38.5 | 17.3 V | 566 |
| 1996 RO <sub>22</sub> | 1996 09 17.37759 | 22 56 05.18 | -09 21 56.8 | 19.1 V | 566 | 1996 RX <sub>24</sub> | 1996 09 16.37992   | 22 55 28.61 | -10 09 45.3 | 17.3 V | 566 |
| 1996 RO <sub>22</sub> | 1996 09 17.38627 | 22 56 04.70 | -09 21 57.7 | 19.0 V | 566 | 1996 RY <sub>24</sub> | 1996 09 16.34399   | 22 57 05.81 | -10 17 33.9 | 18.4 V | 566 |
| 1996 RJ <sub>23</sub> | 1996 09 17.39093 | 23 02 04.86 | -08 42 50.1 | 18.4 V | 566 | 1996 RY <sub>24</sub> | 1996 09 16.35838   | 22 57 05.18 | -10 17 37.7 | 18.7 V | 566 |
| 1996 RJ <sub>23</sub> | 1996 09 17.40144 | 23 02 04.34 | -08 42 53.2 | 18.4 V | 566 | 1996 RY <sub>24</sub> | 1996 09 16.37992   | 22 57 04.25 | -10 17 42.5 | 18.4 V | 566 |
| 1996 RJ <sub>23</sub> | 1996 09 17.41239 | 23 02 03.78 | -08 42 56.8 | 18.5 V | 566 | 1996 RZ <sub>24</sub> | 1996 09 13.40360   | 23 07 28.68 | -04 57 13.7 | 19.3 V | 566 |
| 1996 RE <sub>24</sub> | 1996 09 13.42993 | 23 53 43.48 | -03 10 13.9 | 17.9 V | 566 | 1996 RZ <sub>24</sub> | 1996 09 13.41402   | 23 07 28.02 | -04 57 14.4 | 19.4 V | 566 |
| 1996 RE <sub>24</sub> | 1996 09 13.43948 | 23 53 42.94 | -03 10 13.8 | 17.9 V | 566 | 1996 RZ <sub>24</sub> | 1996 09 13.42251   | 23 07 27.49 | -04 57 14.9 | 19.2 V | 566 |
| 1996 RE <sub>24</sub> | 1996 09 13.44800 | 23 53 42.45 | -03 10 13.7 | 17.9 V | 566 | 1996 RA <sub>25</sub> | 1996 09 14.39923   | 23 16 12.11 | -05 03 51.9 | 18.4 V | 566 |
| 1996 RF <sub>24</sub> | 1996 09 16.41423 | 23 51 38.69 | -01 50 35.6 | 18.4 V | 566 | 1996 RA <sub>25</sub> | 1996 09 14.40772   | 23 16 11.69 | -05 03 53.4 | 18.3 V | 566 |
| 1996 RF <sub>24</sub> | 1996 09 16.42277 | 23 51 38.17 | -01 50 37.9 | 18.5 V | 566 | 1996 RA <sub>25</sub> | 1996 09 14.41746   | 23 16 11.22 | -05 03 54.3 | 18.6 V | 566 |
| 1996 RF <sub>24</sub> | 1996 09 16.43120 | 23 51 37.62 | -01 50 40.1 | 18.8 V | 566 | 1996 RB <sub>25</sub> | 1996 09 15.43470   | 23 27 43.63 | -04 50 03.8 | 18.8 V | 566 |
| 1996 RK <sub>24</sub> | 1996 09 18.36641 | 22 39 48.90 | -03 54 34.5 | 19.5 V | 566 | 1996 RB <sub>25</sub> | 1996 09 15.44320   | 23 27 43.10 | -04 50 06.1 | 19.5 V | 566 |
| 1996 RK <sub>24</sub> | 1996 09 18.37484 | 22 39 48.46 | -03 54 37.2 | 19.7 V | 566 | 1996 RB <sub>25</sub> | 1996 09 15.45160   | 23 27 42.59 | -04 50 08.5 | 19.1 V | 566 |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RC <sub>25</sub> | * 1996 09 11.55699 | 23 04 41.04 | -09 07 48.5 | 18.3 V | 566 | 1996 RU <sub>25</sub> | 1996 09 13.45173   | 23 45 45.78 | -01 26 27.7 | 18.5 V | 566 |
| 1996 RC <sub>25</sub> | 1996 09 11.56701   | 23 04 40.51 | -09 07 50.4 | 17.8 V | 566 | 1996 RU <sub>25</sub> | 1996 09 13.46123   | 23 45 45.35 | -01 26 31.1 | 18.8 V | 566 |
| 1996 RC <sub>25</sub> | 1996 09 11.57761   | 23 04 39.95 | -09 07 52.1 | 18.0 V | 566 | 1996 RV <sub>25</sub> | * 1996 09 13.44127 | 23 47 12.69 | -00 36 00.3 | 18.9 V | 566 |
| 1996 RD <sub>25</sub> | * 1996 09 11.55879 | 23 02 35.62 | -08 09 37.3 | 18.6 V | 566 | 1996 RV <sub>25</sub> | 1996 09 13.45173   | 23 47 12.03 | -00 36 03.4 | 18.9 V | 566 |
| 1996 RD <sub>25</sub> | 1996 09 11.56878   | 23 02 35.11 | -08 09 40.1 | 18.4 V | 566 | 1996 RV <sub>25</sub> | 1996 09 13.46123   | 23 47 11.43 | -00 36 05.9 | 18.8 V | 566 |
| 1996 RD <sub>25</sub> | 1996 09 11.57933   | 23 02 34.66 | -08 09 43.3 | 18.2 V | 566 | 1996 RW <sub>25</sub> | * 1996 09 13.44307 | 23 48 15.72 | +00 33 28.4 | 19.1 V | 566 |
| 1996 RE <sub>25</sub> | * 1996 09 11.55879 | 23 03 32.14 | -07 58 16.7 | 18.4 V | 566 | 1996 RW <sub>25</sub> | 1996 09 13.45355   | 23 48 15.36 | +00 33 21.7 | 19.2 V | 566 |
| 1996 RE <sub>25</sub> | 1996 09 11.56878   | 23 03 31.65 | -07 58 22.5 | 18.0 V | 566 | 1996 RW <sub>25</sub> | 1996 09 13.46291   | 23 48 15.05 | +00 33 16.0 | 19.0 V | 566 |
| 1996 RE <sub>25</sub> | 1996 09 11.57933   | 23 03 31.16 | -07 58 29.0 | 17.8 V | 566 | 1996 RX <sub>25</sub> | * 1996 09 13.44307 | 23 48 40.51 | +00 28 06.8 | 18.2 V | 566 |
| 1996 RF <sub>25</sub> | * 1996 09 11.55879 | 23 03 40.15 | -08 14 18.4 | 17.4 V | 566 | 1996 RX <sub>25</sub> | 1996 09 13.45355   | 23 48 40.06 | +00 28 04.9 | 18.3 V | 566 |
| 1996 RF <sub>25</sub> | 1996 09 11.56878   | 23 03 39.59 | -08 14 21.3 | 17.3 V | 566 | 1996 RX <sub>25</sub> | 1996 09 13.46291   | 23 48 39.56 | +00 28 02.6 | 18.4 V | 566 |
| 1996 RF <sub>25</sub> | 1996 09 11.57933   | 23 03 38.98 | -08 14 24.4 | 17.3 V | 566 | 1996 RY <sub>25</sub> | * 1996 09 13.48575 | 00 25 46.03 | +04 49 56.9 | 18.9 V | 566 |
| 1996 RG <sub>25</sub> | * 1996 09 11.58112 | 23 01 12.06 | -07 01 03.3 | 19.3 V | 566 | 1996 RY <sub>25</sub> | 1996 09 13.49606   | 00 25 45.38 | +04 49 57.9 | 19.1 V | 566 |
| 1996 RG <sub>25</sub> | 1996 09 11.58956   | 23 01 11.60 | -07 01 07.3 | 19.5 V | 566 | 1996 RY <sub>25</sub> | 1996 09 13.50616   | 00 25 44.75 | +04 49 59.6 | 18.7 V | 566 |
| 1996 RG <sub>25</sub> | 1996 09 11.59857   | 23 01 11.15 | -07 01 12.5 | 19.4 V | 566 | 1996 RZ <sub>25</sub> | 1996 09 17.36857   | 22 52 51.95 | -08 23 53.2 | 17.5 V | 566 |
| 1996 RH <sub>25</sub> | * 1996 09 11.61561 | 23 41 04.55 | -01 41 51.2 | 18.8 V | 566 | 1996 RZ <sub>25</sub> | 1996 09 17.37759   | 22 52 51.51 | -08 23 57.5 | 17.5 V | 566 |
| 1996 RH <sub>25</sub> | 1996 09 11.62401   | 23 41 04.04 | -01 41 53.8 | 19.1 V | 566 | 1996 RZ <sub>25</sub> | 1996 09 17.38627   | 22 52 51.08 | -08 24 01.9 | 17.5 V | 566 |
| 1996 RH <sub>25</sub> | 1996 09 11.63239   | 23 41 03.57 | -01 41 55.6 | 19.1 V | 566 | 1996 RA <sub>26</sub> | 1996 09 17.39093   | 23 03 42.44 | -08 08 10.7 | 17.2 V | 566 |
| 1996 RJ <sub>25</sub> | * 1996 09 11.61561 | 23 42 23.31 | -01 47 50.6 | 19.2 V | 566 | 1996 RA <sub>26</sub> | 1996 09 17.40144   | 23 03 41.77 | -08 08 11.0 | 17.1 V | 566 |
| 1996 RJ <sub>25</sub> | 1996 09 11.62401   | 23 42 22.98 | -01 47 54.7 | 19.0 V | 566 | 1996 RA <sub>26</sub> | 1996 09 17.41239   | 23 03 41.07 | -08 08 11.6 | 17.2 V | 566 |
| 1996 RJ <sub>25</sub> | 1996 09 11.63239   | 23 42 22.68 | -01 47 58.8 | 19.1 V | 566 | 1996 RB <sub>26</sub> | * 1996 09 14.50179 | 00 35 56.22 | +05 59 42.1 | 19.3 V | 566 |
| 1996 RK <sub>25</sub> | 1996 09 13.37526   | 23 24 17.12 | -01 00 48.3 | 16.9 V | 566 | 1996 RB <sub>26</sub> | 1996 09 14.51215   | 00 35 55.72 | +05 59 37.0 | 18.5 V | 566 |
| 1996 RK <sub>25</sub> | 1996 09 13.38375   | 23 24 16.73 | -01 00 54.4 | 16.6 V | 566 | 1996 RB <sub>26</sub> | 1996 09 14.52116   | 00 35 55.22 | +05 59 32.5 | 18.3 V | 566 |
| 1996 RK <sub>25</sub> | 1996 09 13.39450   | 23 24 16.24 | -01 01 02.5 | 16.6 V | 566 | 1996 RC <sub>26</sub> | 1996 09 18.42211   | 23 41 18.21 | -01 20 07.5 | 19.6 V | 566 |
| 1996 RL <sub>25</sub> | 1996 09 13.37526   | 23 25 54.36 | -00 50 07.5 | 16.8 V | 566 | 1996 RC <sub>26</sub> | 1996 09 18.43191   | 23 41 17.69 | -01 20 13.9 | 19.8 V | 566 |
| 1996 RL <sub>25</sub> | 1996 09 13.38375   | 23 25 53.91 | -00 50 12.0 | 16.5 V | 566 | 1996 RC <sub>26</sub> | 1996 09 18.44227   | 23 41 17.17 | -01 20 19.5 | 20.0 V | 566 |
| 1996 RL <sub>25</sub> | 1996 09 13.39450   | 23 25 53.33 | -00 50 17.6 | 16.5 V | 566 | 1996 RD <sub>26</sub> | * 1996 09 15.52911 | 00 44 29.95 | +06 04 06.6 | 18.9 V | 566 |
| 1996 RM <sub>25</sub> | 1996 09 18.42211   | 23 37 41.01 | -02 11 40.1 | 18.8 V | 566 | 1996 RD <sub>26</sub> | 1996 09 15.53750   | 00 44 29.49 | +06 04 04.8 | 18.9 V | 566 |
| 1996 RM <sub>25</sub> | 1996 09 18.43191   | 23 37 40.47 | -02 11 45.2 | 18.6 V | 566 | 1996 RD <sub>26</sub> | 1996 09 15.54597   | 00 44 29.09 | +06 04 02.9 | 18.6 V | 566 |
| 1996 RM <sub>25</sub> | 1996 09 18.44227   | 23 37 39.79 | -02 11 49.3 | 18.6 V | 566 | 1996 RF <sub>26</sub> | * 1996 09 12.40312 | 23 11 01.65 | -08 36 47.1 | 19.0 V | 566 |
| 1996 RN <sub>25</sub> | 1996 09 17.36503   | 23 47 16.04 | -02 36 15.4 | 18.7 V | 566 | 1996 RF <sub>26</sub> | 1996 09 12.41164   | 23 11 01.25 | -08 36 51.4 | 19.0 V | 566 |
| 1996 RN <sub>25</sub> | 1996 09 17.37411   | 23 47 15.57 | -02 36 20.8 | 19.0 V | 566 | 1996 RF <sub>26</sub> | 1996 09 12.42396   | 23 11 00.66 | -08 36 58.0 | 19.2 V | 566 |
| 1996 RN <sub>25</sub> | 1996 09 17.38255   | 23 47 15.13 | -02 36 25.0 | 19.0 V | 566 | 1996 RG <sub>26</sub> | * 1996 09 13.44127 | 23 45 46.71 | -01 18 54.1 | 19.1 V | 566 |
| 1996 RO <sub>25</sub> | * 1996 09 12.40312 | 23 10 17.32 | -08 27 31.4 | 17.0 V | 566 | 1996 RG <sub>26</sub> | 1996 09 13.45173   | 23 45 46.42 | -01 18 56.5 | 18.8 V | 566 |
| 1996 RO <sub>25</sub> | 1996 09 12.41164   | 23 10 16.86 | -08 27 34.7 | 16.9 V | 566 | 1996 RG <sub>26</sub> | 1996 09 13.46123   | 23 45 46.12 | -01 18 55.5 | 19.4 V | 566 |
| 1996 RO <sub>25</sub> | 1996 09 12.42396   | 23 10 16.21 | -08 27 38.7 | 16.9 V | 566 | 1996 RH <sub>26</sub> | * 1996 09 14.44580 | 23 59 55.69 | -01 40 30.6 | 18.1 V | 566 |
| 1996 RP <sub>25</sub> | * 1996 09 12.40312 | 23 10 24.43 | -08 16 44.4 | 18.4 V | 566 | 1996 RH <sub>26</sub> | 1996 09 14.45424   | 23 59 55.18 | -01 40 30.7 | 17.9 V | 566 |
| 1996 RP <sub>25</sub> | 1996 09 12.41164   | 23 10 24.04 | -08 16 47.4 | 18.2 V | 566 | 1996 RH <sub>26</sub> | 1996 09 14.46274   | 23 59 54.64 | -01 40 30.9 | 18.4 V | 566 |
| 1996 RP <sub>25</sub> | 1996 09 12.42396   | 23 10 23.45 | -08 16 51.3 | 18.0 V | 566 | 1996 RJ <sub>26</sub> | * 1996 09 14.44580 | 00 01 00.89 | -01 17 53.1 | 18.7 V | 566 |
| 1996 RQ <sub>25</sub> | * 1996 09 13.38733 | 23 14 45.10 | -09 12 23.1 | 18.0 V | 566 | 1996 RJ <sub>26</sub> | 1996 09 14.45424   | 00 01 00.51 | -01 17 57.8 | 18.6 V | 566 |
| 1996 RQ <sub>25</sub> | 1996 09 13.39806   | 23 14 44.58 | -09 12 26.0 | 18.4 V | 566 | 1996 RJ <sub>26</sub> | 1996 09 14.46274   | 00 00 59.97 | -01 18 01.8 | 19.3 V | 566 |
| 1996 RQ <sub>25</sub> | 1996 09 13.40650   | 23 14 44.21 | -09 12 28.6 | 18.2 V | 566 | 1996 RK <sub>26</sub> | * 1996 09 15.35008 | 23 53 52.56 | +00 56 19.9 | 19.6 V | 566 |
| 1996 RR <sub>25</sub> | * 1996 09 13.40179 | 23 09 43.36 | -07 20 13.3 | 17.0 V | 566 | 1996 RK <sub>26</sub> | 1996 09 15.39916   | 23 53 50.42 | +00 55 30.9 | 19.8 V | 566 |
| 1996 RR <sub>25</sub> | 1996 09 13.41214   | 23 09 42.83 | -07 20 19.8 | 17.1 V | 566 | 1996 RK <sub>26</sub> | 1996 09 15.41033   | 23 53 49.98 | +00 55 19.8 | 19.6 V | 566 |
| 1996 RR <sub>25</sub> | 1996 09 13.42069   | 23 09 42.41 | -07 20 24.8 | 17.1 V | 566 | 1996 SK               | 1996 10 11.28311   | 22 03 51.34 | -10 18 27.7 | 18.9 V | 566 |
| 1996 RS <sub>25</sub> | * 1996 09 13.40179 | 23 10 11.61 | -07 44 04.0 | 18.8 V | 566 | 1996 SK               | 1996 10 11.29155   | 22 03 50.29 | -10 18 34.5 | 19.2 V | 566 |
| 1996 RS <sub>25</sub> | 1996 09 13.41214   | 23 10 11.28 | -07 44 05.2 | 18.5 V | 566 | 1996 SK               | 1996 10 11.30003   | 22 03 49.15 | -10 18 41.2 | 19.1 V | 566 |
| 1996 RS <sub>25</sub> | 1996 09 13.42069   | 23 10 10.99 | -07 44 05.8 | 18.6 V | 566 | 1996 SR               | 1996 08 12.53209   | 22 43 03.44 | -05 36 49.1 | 18.7 V | 566 |
| 1996 RT <sub>25</sub> | * 1996 09 13.40179 | 23 10 32.91 | -07 44 41.9 | 17.5 V | 566 | 1996 SR               | 1996 08 12.54304   | 22 43 03.05 | -05 36 53.5 | 18.5 V | 566 |
| 1996 RT <sub>25</sub> | 1996 09 13.41214   | 23 10 32.51 | -07 44 49.5 | 17.7 V | 566 | 1996 SR               | 1996 08 12.55346   | 22 43 02.69 | -05 36 57.3 | 18.6 V | 566 |
| 1996 RT <sub>25</sub> | 1996 09 13.42069   | 23 10 32.17 | -07 44 55.2 | 17.5 V | 566 | 1996 SA <sub>1</sub>  | 1996 10 08.48733   | 00 36 45.48 | +04 12 09.6 | 18.4 V | 566 |
| 1996 RU <sub>25</sub> | * 1996 09 13.44127 | 23 45 46.25 | -01 26 26.0 | 19.7 V | 566 | 1996 SA <sub>1</sub>  | 1996 10 08.49801   | 00 36 44.74 | +04 12 08.5 | 17.9 V | 566 |

|                      |                  |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 SA <sub>1</sub> | 1996 10 08.50639 | 00 36 44.16 | +04 12 07.7 | 17.9 V | 566 | 1996 SB <sub>7</sub> | 1996 10 11.56276   | 01 50 05.92 | +06 54 49.1 | 17.7 V | 566 |
| 1996 SA <sub>1</sub> | 1996 10 13.45506 | 00 31 08.76 | +04 05 10.8 | 19.0 V | 566 | 1996 SB <sub>7</sub> | 1996 10 11.57346   | 01 50 05.45 | +06 54 37.9 | 17.8 V | 566 |
| 1996 SA <sub>1</sub> | 1996 10 13.46562 | 00 31 08.05 | +04 05 09.6 | 18.8 V | 566 | 1996 SB <sub>7</sub> | 1996 10 11.58186   | 01 50 05.11 | +06 54 29.7 | 17.8 V | 566 |
| 1996 SA <sub>1</sub> | 1996 10 13.47452 | 00 31 07.43 | +04 05 08.7 | 18.8 V | 566 | 1996 SB <sub>7</sub> | 1996 10 12.51331   | 01 49 29.18 | +06 38 52.8 | 17.7 V | 566 |
| 1996 SC <sub>1</sub> | 1996 10 13.45305 | 00 35 26.65 | +03 00 31.2 | 19.3 V | 566 | 1996 SB <sub>7</sub> | 1996 10 12.52173   | 01 49 28.81 | +06 38 44.4 | 17.5 V | 566 |
| 1996 SC <sub>1</sub> | 1996 10 13.46368 | 00 35 26.04 | +03 00 26.7 | 19.3 V | 566 | 1996 SB <sub>7</sub> | 1996 10 12.53014   | 01 49 28.43 | +06 38 36.0 | 17.7 V | 566 |
| 1996 SC <sub>1</sub> | 1996 10 13.47213 | 00 35 25.53 | +03 00 23.2 | 19.1 V | 566 | 1996 SE <sub>7</sub> | * 1996 09 16.38357 | 22 49 39.06 | −08 02 06.0 | 19.0 V | 566 |
| 1996 SB <sub>2</sub> | 1996 10 11.43492 | 00 18 46.38 | +02 19 40.2 | 18.8 V | 566 | 1996 SE <sub>7</sub> | 1996 09 16.39208   | 22 49 38.69 | −08 02 08.5 | 19.3 V | 566 |
| 1996 SB <sub>2</sub> | 1996 10 11.44335 | 00 18 45.94 | +02 19 35.9 | 18.7 V | 566 | 1996 SE <sub>7</sub> | 1996 09 16.40149   | 22 49 38.25 | −08 02 11.3 | 19.1 V | 566 |
| 1996 SB <sub>2</sub> | 1996 10 11.45174 | 00 18 45.60 | +02 19 31.3 | 18.7 V | 566 | 1996 SF <sub>7</sub> | * 1996 09 17.39093 | 23 03 32.28 | −08 11 37.8 | 19.3 V | 566 |
| 1996 SB <sub>2</sub> | 1996 10 12.43018 | 00 18 06.02 | +02 10 46.3 | 18.9 V | 566 | 1996 SF <sub>7</sub> | 1996 09 17.40144   | 23 03 31.87 | −08 11 44.6 | 19.0 V | 566 |
| 1996 SB <sub>2</sub> | 1996 10 12.43860 | 00 18 05.66 | +02 10 41.7 | 19.0 V | 566 | 1996 SF <sub>7</sub> | 1996 09 17.41239   | 23 03 31.43 | −08 11 52.2 | 19.9 V | 566 |
| 1996 SB <sub>2</sub> | 1996 10 12.44704 | 00 18 05.19 | +02 10 37.2 | 18.6 V | 566 | 1996 SC <sub>8</sub> | 1996 10 18.46815   | 01 39 09.88 | +10 58 37.5 | 19.6 V | 566 |
| 1996 SK <sub>4</sub> | 1996 10 13.45506 | 00 33 27.95 | +04 00 05.2 | 17.7 V | 566 | 1996 SC <sub>8</sub> | 1996 10 18.47835   | 01 39 09.27 | +10 58 36.3 | 19.0 V | 566 |
| 1996 SK <sub>4</sub> | 1996 10 13.46562 | 00 33 27.33 | +04 00 04.7 | 17.8 V | 566 | 1996 SC <sub>8</sub> | 1996 10 18.48680   | 01 39 08.82 | +10 58 35.5 | 18.9 V | 566 |
| 1996 SK <sub>4</sub> | 1996 10 13.47452 | 00 33 26.77 | +04 00 04.4 | 17.6 V | 566 | 1996 TY              | 1996 10 13.45506   | 00 32 41.85 | +05 11 00.6 | 19.6 V | 566 |
| 1996 SL <sub>4</sub> | 1996 10 13.45305 | 00 33 51.55 | +03 31 50.4 | 19.0 V | 566 | 1996 TY              | 1996 10 13.46562   | 00 32 41.42 | +05 10 57.3 | 19.8 V | 566 |
| 1996 SL <sub>4</sub> | 1996 10 13.46368 | 00 33 50.86 | +03 31 48.6 | 19.2 V | 566 | 1996 TY              | 1996 10 13.47452   | 00 32 40.98 | +05 10 54.3 | 19.8 V | 566 |
| 1996 SL <sub>4</sub> | 1996 10 13.47213 | 00 33 50.33 | +03 31 47.8 | 19.1 V | 566 | 1996 TZ              | 1996 10 09.49980   | 00 35 00.60 | +05 44 38.9 | 18.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 08.51065 | 00 30 35.87 | +07 10 26.3 | 18.3 V | 566 | 1996 TZ              | 1996 10 09.51015   | 00 35 00.11 | +05 44 35.5 | 18.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 08.51906 | 00 30 35.02 | +07 10 30.6 | 18.0 V | 566 | 1996 TZ              | 1996 10 09.51858   | 00 34 59.67 | +05 44 32.7 | 18.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 08.52746 | 00 30 34.20 | +07 10 35.1 | 18.1 V | 566 | 1996 TP <sub>1</sub> | 1996 10 18.40142   | 00 57 16.12 | +06 35 29.8 | 18.0 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 09.47474 | 00 29 02.93 | +07 18 48.4 | 17.7 V | 566 | 1996 TP <sub>1</sub> | 1996 10 18.41243   | 00 57 15.49 | +06 35 28.8 | 17.8 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 09.48324 | 00 29 02.10 | +07 18 52.8 | 17.7 V | 566 | 1996 TP <sub>1</sub> | 1996 10 18.42153   | 00 57 14.94 | +06 35 27.6 | 17.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 09.49170 | 00 29 01.28 | +07 18 57.3 | 17.7 V | 566 | 1996 TZ <sub>1</sub> | 1996 10 09.49575   | 00 38 32.53 | +01 48 58.2 | 18.5 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 09.50404 | 00 29 00.04 | +07 19 03.5 | 17.5 V | 566 | 1996 TZ <sub>1</sub> | 1996 10 09.50605   | 00 38 31.48 | +01 49 01.7 | 18.5 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 09.51244 | 00 28 59.22 | +07 19 07.8 | 17.6 V | 566 | 1996 TZ <sub>1</sub> | 1996 10 09.51445   | 00 38 30.67 | +01 49 04.7 | 18.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 09.52086 | 00 28 58.44 | +07 19 11.5 | 17.2 V | 566 | 1996 TB <sub>2</sub> | 1996 10 13.43425   | 00 40 52.44 | +00 53 18.0 | 19.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 11.51236 | 00 25 48.76 | +07 36 15.4 | 18.3 V | 566 | 1996 TB <sub>2</sub> | 1996 10 13.44905   | 00 40 51.77 | +00 53 12.7 | 19.7 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 11.52080 | 00 25 47.97 | +07 36 19.8 | 18.1 V | 566 | 1996 TB <sub>2</sub> | 1996 10 13.45744   | 00 40 51.36 | +00 53 09.7 | 19.4 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 11.52923 | 00 25 47.13 | +07 36 23.7 | 18.1 V | 566 | 1996 TD <sub>2</sub> | 1996 10 13.43425   | 00 39 06.28 | +01 14 35.2 | 18.4 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 12.36892 | 00 24 28.68 | +07 43 30.6 | 18.1 V | 566 | 1996 TD <sub>2</sub> | 1996 10 13.44905   | 00 39 05.38 | +01 14 32.9 | 18.4 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 12.37741 | 00 24 27.89 | +07 43 34.8 | 18.0 V | 566 | 1996 TD <sub>2</sub> | 1996 10 13.45744   | 00 39 04.88 | +01 14 31.9 | 18.2 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 12.38584 | 00 24 27.13 | +07 43 39.0 | 18.1 V | 566 | 1996 TV <sub>2</sub> | 1996 10 13.45506   | 00 33 48.87 | +03 49 21.3 | 18.0 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 13.42388 | 00 22 50.64 | +07 52 21.9 | 18.2 V | 566 | 1996 TV <sub>2</sub> | 1996 10 13.46562   | 00 33 48.32 | +03 49 18.1 | 18.0 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 13.43228 | 00 22 49.80 | +07 52 25.8 | 18.1 V | 566 | 1996 TV <sub>2</sub> | 1996 10 13.47452   | 00 33 47.80 | +03 49 15.9 | 18.0 V | 566 |
| 1996 SO <sub>4</sub> | 1996 10 13.44507 | 00 22 48.59 | +07 52 32.3 | 18.1 V | 566 | 1996 TY <sub>2</sub> | 1996 10 13.45305   | 00 36 30.72 | +03 22 17.6 | 19.4 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 11.57961 | 01 47 52.81 | +07 35 45.7 | 19.0 V | 566 | 1996 TY <sub>2</sub> | 1996 10 13.46368   | 00 36 30.24 | +03 22 14.7 | 19.6 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 11.58801 | 01 47 52.42 | +07 35 37.8 | 19.2 V | 566 | 1996 TY <sub>2</sub> | 1996 10 13.47213   | 00 36 29.89 | +03 22 11.6 | 19.5 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 11.59644 | 01 47 52.07 | +07 35 29.9 | 19.1 V | 566 | 1996 TZ <sub>2</sub> | 1996 10 13.45506   | 00 34 47.29 | +03 48 20.1 | 19.9 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 12.50282 | 01 47 11.21 | +07 21 15.2 | 19.7 V | 566 | 1996 TZ <sub>2</sub> | 1996 10 13.46562   | 00 34 46.74 | +03 48 19.2 | 19.8 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 12.51123 | 01 47 10.85 | +07 21 08.2 | 19.3 V | 566 | 1996 TZ <sub>2</sub> | 1996 10 13.47452   | 00 34 46.24 | +03 48 18.8 | 20.0 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 12.51331 | 01 47 10.77 | +07 21 06.4 | 18.5 V | 566 | 1996 TL <sub>3</sub> | 1996 09 10.55119   | 00 57 47.41 | +04 58 50.7 | 19.7 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 12.51965 | 01 47 10.43 | +07 21 00.6 | 19.8 V | 566 | 1996 TL <sub>3</sub> | 1996 09 10.55972   | 00 57 47.17 | +04 58 48.1 | 19.3 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 12.52173 | 01 47 10.38 | +07 20 58.8 | 18.4 V | 566 | 1996 TL <sub>3</sub> | 1996 09 10.56813   | 00 57 46.98 | +04 58 45.5 | 19.3 V | 566 |
| 1996 SQ <sub>4</sub> | 1996 10 12.53014 | 01 47 09.92 | +07 20 50.9 | 18.7 V | 566 | 1996 TL <sub>3</sub> | 1996 10 08.48523   | 00 39 05.48 | +01 57 17.4 | 19.6 V | 566 |
| 1996 SR <sub>4</sub> | 1996 10 16.59445 | 01 37 35.28 | +11 50 42.9 | 18.4 V | 566 | 1996 TL <sub>3</sub> | 1996 10 08.49592   | 00 39 05.05 | +01 57 12.5 | 19.5 V | 566 |
| 1996 SR <sub>4</sub> | 1996 10 16.60284 | 01 37 34.75 | +11 50 41.8 | 18.3 V | 566 | 1996 TL <sub>3</sub> | 1996 10 08.50432   | 00 39 04.51 | +01 57 09.1 | 18.7 V | 566 |
| 1996 SR <sub>4</sub> | 1996 10 16.61124 | 01 37 34.18 | +11 50 40.6 | 18.3 V | 566 | 1996 TL <sub>3</sub> | 1996 10 09.49575   | 00 38 17.41 | +01 50 13.8 | 18.2 V | 566 |
| 1996 SP <sub>6</sub> | 1996 10 11.58998 | 01 41 34.73 | +11 38 46.6 | 19.5 V | 566 | 1996 TL <sub>3</sub> | 1996 10 09.50605   | 00 38 16.89 | +01 50 09.7 | 18.1 V | 566 |
| 1996 SP <sub>6</sub> | 1996 10 11.59845 | 01 41 34.08 | +11 38 46.3 | 19.1 V | 566 | 1996 TL <sub>3</sub> | 1996 10 09.51445   | 00 38 16.47 | +01 50 06.1 | 18.1 V | 566 |
| 1996 SP <sub>6</sub> | 1996 10 11.60684 | 01 41 33.65 | +11 38 45.6 | 19.0 V | 566 | 1996 TN <sub>3</sub> | 1996 10 09.44559   | 23 58 20.90 | −03 40 25.6 | 18.2 V | 566 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TN <sub>3</sub> | 1996 10 09.45410   | 23 58 20.53 | -03 40 31.3 | 18.5 V | 566 | 1996 TV <sub>3</sub> | 1996 10 13.56402   | 01 17 15.17 | +05 12 37.2 | 18.8 V | 566 |
| 1996 TN <sub>3</sub> | 1996 10 09.46251   | 23 58 20.24 | -03 40 37.1 | 18.3 V | 566 | 1996 TW <sub>3</sub> | * 1996 10 08.51498 | 01 22 29.47 | +04 50 18.7 | 19.2 V | 566 |
| 1996 TN <sub>3</sub> | 1996 10 13.38827   | 23 56 11.59 | -04 23 29.4 | 19.4 V | 566 | 1996 TW <sub>3</sub> | 1996 10 08.52339   | 01 22 29.07 | +04 50 16.2 | 19.3 V | 566 |
| 1996 TN <sub>3</sub> | 1996 10 13.39669   | 23 56 11.29 | -04 23 34.6 | 19.3 V | 566 | 1996 TW <sub>3</sub> | 1996 10 08.53184   | 01 22 28.77 | +04 50 13.3 | 19.5 V | 566 |
| 1996 TN <sub>3</sub> | 1996 10 13.40511   | 23 56 11.04 | -04 23 39.8 | 19.2 V | 566 | 1996 TW <sub>3</sub> | 1996 10 09.52495   | 01 21 43.47 | +04 45 01.2 | 19.7 V | 566 |
| 1996 TQ <sub>3</sub> | * 1996 10 08.48733 | 00 34 49.02 | +04 27 45.7 | 18.7 V | 566 | 1996 TW <sub>3</sub> | 1996 10 09.53556   | 01 21 42.90 | +04 44 57.5 | 19.1 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 08.48955   | 00 34 49.02 | +04 27 45.6 | 19.1 V | 566 | 1996 TW <sub>3</sub> | 1996 10 09.54400   | 01 21 42.48 | +04 44 54.8 | 19.1 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 08.49801   | 00 34 48.33 | +04 27 42.7 | 18.6 V | 566 | 1996 TW <sub>3</sub> | 1996 10 13.54497   | 01 18 38.39 | +04 24 03.1 | 19.9 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 08.50016   | 00 34 48.25 | +04 27 42.3 | 19.0 V | 566 | 1996 TW <sub>3</sub> | 1996 10 13.55562   | 01 18 37.88 | +04 23 59.8 | 19.3 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 08.50639   | 00 34 47.79 | +04 27 39.9 | 18.4 V | 566 | 1996 TW <sub>3</sub> | 1996 10 13.56402   | 01 18 37.49 | +04 23 57.2 | 19.6 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 08.50858   | 00 34 47.71 | +04 27 39.3 | 18.7 V | 566 | 1996 TX <sub>3</sub> | * 1996 10 08.51498 | 01 22 34.04 | +05 20 52.5 | 17.5 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 09.49980   | 00 33 46.35 | +04 22 32.4 | 18.4 V | 566 | 1996 TX <sub>3</sub> | 1996 10 08.52339   | 01 22 33.49 | +05 20 50.9 | 17.6 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 09.51015   | 00 33 45.71 | +04 22 29.4 | 18.5 V | 566 | 1996 TX <sub>3</sub> | 1996 10 08.53184   | 01 22 32.97 | +05 20 49.1 | 17.6 V | 566 |
| 1996 TQ <sub>3</sub> | 1996 10 09.51858   | 00 33 45.17 | +04 22 26.6 | 18.5 V | 566 | 1996 TX <sub>3</sub> | 1996 10 09.52495   | 01 21 30.70 | +05 17 36.2 | 17.6 V | 566 |
| 1996 TR <sub>3</sub> | * 1996 10 08.48955 | 00 33 35.09 | +05 26 04.3 | 20.1 V | 566 | 1996 TX <sub>3</sub> | 1996 10 09.53556   | 01 21 29.97 | +05 17 34.2 | 17.6 V | 566 |
| 1996 TR <sub>3</sub> | 1996 10 08.50016   | 00 33 34.44 | +05 26 01.5 | 20.4 V | 566 | 1996 TX <sub>3</sub> | 1996 10 09.54400   | 01 21 29.42 | +05 17 32.4 | 17.5 V | 566 |
| 1996 TR <sub>3</sub> | 1996 10 08.50858   | 00 33 33.97 | +05 25 58.1 | 20.1 V | 566 | 1996 TX <sub>3</sub> | 1996 10 13.54497   | 01 17 17.31 | +05 04 43.8 | 17.6 V | 566 |
| 1996 TR <sub>3</sub> | 1996 10 09.49980   | 00 32 44.23 | +05 19 49.0 | 19.8 V | 566 | 1996 TX <sub>3</sub> | 1996 10 13.55562   | 01 17 16.59 | +05 04 41.7 | 17.5 V | 566 |
| 1996 TR <sub>3</sub> | 1996 10 09.51015   | 00 32 43.72 | +05 19 45.2 | 19.8 V | 566 | 1996 TX <sub>3</sub> | 1996 10 13.56402   | 01 17 16.03 | +05 04 40.1 | 17.4 V | 566 |
| 1996 TR <sub>3</sub> | 1996 10 09.51858   | 00 32 43.28 | +05 19 42.3 | 20.0 V | 566 | 1996 TX <sub>3</sub> | 1996 10 13.56832   | 01 17 15.73 | +05 04 38.6 | 18.7 V | 566 |
| 1996 TS <sub>3</sub> | * 1996 10 08.51065 | 00 28 17.84 | +06 46 57.8 | 18.8 V | 566 | 1996 TX <sub>3</sub> | 1996 10 13.57675   | 01 17 15.16 | +05 04 37.5 | 19.3 V | 566 |
| 1996 TS <sub>3</sub> | 1996 10 08.51906   | 00 28 17.31 | +06 46 57.4 | 18.7 V | 566 | 1996 TX <sub>3</sub> | 1996 10 13.58514   | 01 17 14.73 | +05 04 36.4 | 19.7 V | 566 |
| 1996 TS <sub>3</sub> | 1996 10 08.52746   | 00 28 16.76 | +06 46 56.1 | 18.4 V | 566 | 1996 TY <sub>3</sub> | * 1996 10 08.51498 | 01 22 50.03 | +05 35 49.3 | 18.6 V | 566 |
| 1996 TS <sub>3</sub> | 1996 10 09.50404   | 00 27 15.99 | +06 45 05.3 | 18.6 V | 566 | 1996 TY <sub>3</sub> | 1996 10 08.52339   | 01 22 49.60 | +05 35 47.9 | 18.7 V | 566 |
| 1996 TS <sub>3</sub> | 1996 10 09.51244   | 00 27 15.49 | +06 45 04.5 | 18.9 V | 566 | 1996 TY <sub>3</sub> | 1996 10 08.53184   | 01 22 49.16 | +05 35 45.7 | 18.6 V | 566 |
| 1996 TS <sub>3</sub> | 1996 10 09.52086   | 00 27 14.93 | +06 45 03.5 | 18.7 V | 566 | 1996 TY <sub>3</sub> | 1996 10 09.52495   | 01 21 57.34 | +05 32 04.7 | 18.4 V | 566 |
| 1996 TT <sub>3</sub> | * 1996 10 08.51065 | 00 30 14.22 | +06 51 24.3 | 20.0 V | 566 | 1996 TY <sub>3</sub> | 1996 10 09.53556   | 01 21 56.71 | +05 32 02.5 | 18.4 V | 566 |
| 1996 TT <sub>3</sub> | 1996 10 08.51906   | 00 30 13.83 | +06 51 21.9 | 20.1 V | 566 | 1996 TY <sub>3</sub> | 1996 10 09.54400   | 01 21 56.26 | +05 32 00.7 | 18.4 V | 566 |
| 1996 TT <sub>3</sub> | 1996 10 08.52746   | 00 30 13.38 | +06 51 19.0 | 19.6 V | 566 | 1996 TY <sub>3</sub> | 1996 10 13.54497   | 01 18 25.23 | +05 17 14.5 | 18.5 V | 566 |
| 1996 TT <sub>3</sub> | 1996 10 09.50404   | 00 29 26.11 | +06 45 59.3 | 20.0 V | 566 | 1996 TY <sub>3</sub> | 1996 10 13.55562   | 01 18 24.65 | +05 17 12.3 | 18.5 V | 566 |
| 1996 TT <sub>3</sub> | 1996 10 09.51244   | 00 29 25.72 | +06 45 56.2 | 19.8 V | 566 | 1996 TY <sub>3</sub> | 1996 10 13.56402   | 01 18 24.20 | +05 17 10.3 | 18.7 V | 566 |
| 1996 TT <sub>3</sub> | 1996 10 09.52086   | 00 29 25.28 | +06 45 53.7 | 19.9 V | 566 | 1996 TY <sub>3</sub> | 1996 10 13.56832   | 01 18 23.99 | +05 17 08.4 | 19.5 V | 566 |
| 1996 TU <sub>3</sub> | * 1996 10 08.51498 | 01 19 40.73 | +05 49 46.5 | 18.9 V | 566 | 1996 TY <sub>3</sub> | 1996 10 13.57675   | 01 18 23.44 | +05 17 08.2 | 19.6 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 08.52339   | 01 19 40.19 | +05 49 45.5 | 19.1 V | 566 | 1996 TY <sub>3</sub> | 1996 10 13.58514   | 01 18 23.07 | +05 17 05.1 | 20.1 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 08.53184   | 01 19 39.74 | +05 49 44.0 | 19.3 V | 566 | 1996 TZ <sub>3</sub> | * 1996 10 08.51498 | 01 23 51.63 | +04 21 39.6 | 19.2 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 08.53403   | 01 19 39.51 | +05 49 43.3 | 19.2 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 08.52339   | 01 23 51.12 | +04 21 37.7 | 19.4 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 08.54244   | 01 19 38.98 | +05 49 42.4 | 19.2 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 08.53184   | 01 23 50.72 | +04 21 35.9 | 19.9 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 08.55084   | 01 19 38.42 | +05 49 40.9 | 19.0 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 09.52495   | 01 22 53.09 | +04 17 31.8 | 19.9 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 09.52495   | 01 18 38.44 | +05 47 21.7 | 19.5 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 09.53556   | 01 22 52.33 | +04 17 29.4 | 19.1 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 09.52703   | 01 18 38.22 | +05 47 21.0 | 19.3 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 09.54400   | 01 22 51.79 | +04 17 27.2 | 18.7 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 09.53556   | 01 18 37.70 | +05 47 20.4 | 19.0 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 13.54497   | 01 18 58.64 | +04 01 32.6 | 19.1 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 09.53767   | 01 18 37.52 | +05 47 19.6 | 19.3 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 13.55562   | 01 18 57.99 | +04 01 29.6 | 18.7 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 09.54400   | 01 18 37.13 | +05 47 18.8 | 19.4 V | 566 | 1996 TZ <sub>3</sub> | 1996 10 13.56402   | 01 18 57.47 | +04 01 28.1 | 18.9 V | 566 |
| 1996 TU <sub>3</sub> | 1996 10 09.54610   | 01 18 37.01 | +05 47 18.4 | 19.2 V | 566 | 1996 TA <sub>4</sub> | * 1996 10 08.53403 | 01 17 42.93 | +07 14 40.8 | 18.9 V | 566 |
| 1996 TV <sub>3</sub> | * 1996 10 08.51498 | 01 21 49.57 | +05 29 23.8 | 18.9 V | 566 | 1996 TA <sub>4</sub> | 1996 10 08.54244   | 01 17 42.44 | +07 14 37.0 | 19.0 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 08.52339   | 01 21 49.10 | +05 29 21.9 | 19.4 V | 566 | 1996 TA <sub>4</sub> | 1996 10 08.55084   | 01 17 41.99 | +07 14 33.3 | 19.1 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 08.53184   | 01 21 48.70 | +05 29 20.3 | 19.2 V | 566 | 1996 TA <sub>4</sub> | 1996 10 09.52703   | 01 16 49.85 | +07 07 32.4 | 18.9 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 09.52495   | 01 20 55.26 | +05 26 02.0 | 19.1 V | 566 | 1996 TA <sub>4</sub> | 1996 10 09.53767   | 01 16 49.27 | +07 07 27.8 | 19.1 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 09.53556   | 01 20 54.65 | +05 26 00.1 | 19.0 V | 566 | 1996 TA <sub>4</sub> | 1996 10 09.54610   | 01 16 48.81 | +07 07 24.0 | 19.2 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 09.54400   | 01 20 54.18 | +05 25 58.5 | 19.1 V | 566 | 1996 TB <sub>4</sub> | * 1996 10 08.53403 | 01 19 29.43 | +06 11 06.4 | 19.8 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 13.54497   | 01 17 16.35 | +05 12 40.1 | 18.8 V | 566 | 1996 TB <sub>4</sub> | 1996 10 08.54244   | 01 19 29.04 | +06 11 04.0 | 19.9 V | 566 |
| 1996 TV <sub>3</sub> | 1996 10 13.55562   | 01 17 15.66 | +05 12 38.6 | 18.7 V | 566 | 1996 TB <sub>4</sub> | 1996 10 08.55084   | 01 19 28.66 | +06 11 01.5 | 20.2 V | 566 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TB <sub>4</sub> | 1996 10 09.52703   | 01 18 43.66 | +06 06 18.4 | 20.1 V | 566 | 1996 TK <sub>4</sub> | 1996 10 08.57008   | 01 06 09.51 | +13 46 10.3 | 19.3 V | 566 |
| 1996 TB <sub>4</sub> | 1996 10 09.53767   | 01 18 43.15 | +06 06 14.9 | 19.9 V | 566 | 1996 TK <sub>4</sub> | 1996 10 08.57849   | 01 06 09.06 | +13 46 09.0 | 20.1 V | 566 |
| 1996 TB <sub>4</sub> | 1996 10 09.54610   | 01 18 42.79 | +06 06 12.2 | 19.8 V | 566 | 1996 TK <sub>4</sub> | 1996 10 09.55417   | 01 05 09.52 | +13 42 31.0 | 19.9 V | 566 |
| 1996 TC <sub>4</sub> | * 1996 10 08.53403 | 01 20 00.29 | +07 17 44.5 | 18.6 V | 566 | 1996 TK <sub>4</sub> | 1996 10 09.56266   | 01 05 09.04 | +13 42 29.1 | 19.5 V | 566 |
| 1996 TC <sub>4</sub> | 1996 10 08.54244   | 01 19 59.87 | +07 17 42.0 | 18.8 V | 566 | 1996 TK <sub>4</sub> | 1996 10 09.57103   | 01 05 08.48 | +13 42 27.1 | 19.7 V | 566 |
| 1996 TC <sub>4</sub> | 1996 10 08.55084   | 01 19 59.38 | +07 17 39.4 | 19.2 V | 566 | 1996 TL <sub>4</sub> | * 1996 10 08.56166 | 01 06 41.08 | +13 40 37.4 | 17.4 V | 566 |
| 1996 TC <sub>4</sub> | 1996 10 09.52703   | 01 19 11.18 | +07 12 49.7 | 18.6 V | 566 | 1996 TL <sub>4</sub> | 1996 10 08.57008   | 01 06 40.77 | +13 40 30.4 | 17.3 V | 566 |
| 1996 TC <sub>4</sub> | 1996 10 09.53767   | 01 19 10.64 | +07 12 46.5 | 18.7 V | 566 | 1996 TL <sub>4</sub> | 1996 10 08.57849   | 01 06 40.45 | +13 40 23.8 | 17.4 V | 566 |
| 1996 TC <sub>4</sub> | 1996 10 09.54610   | 01 19 10.19 | +07 12 44.0 | 18.6 V | 566 | 1996 TL <sub>4</sub> | 1996 10 09.55417   | 01 06 03.97 | +13 27 20.1 | 17.8 V | 566 |
| 1996 TD <sub>4</sub> | * 1996 10 08.53403 | 01 20 04.35 | +07 16 25.3 | 18.5 V | 566 | 1996 TL <sub>4</sub> | 1996 10 09.56266   | 01 06 03.63 | +13 27 13.1 | 17.9 V | 566 |
| 1996 TD <sub>4</sub> | 1996 10 08.54244   | 01 20 03.91 | +07 16 20.5 | 18.5 V | 566 | 1996 TL <sub>4</sub> | 1996 10 09.57103   | 01 06 03.30 | +13 27 06.4 | 17.9 V | 566 |
| 1996 TD <sub>4</sub> | 1996 10 08.55084   | 01 20 03.48 | +07 16 15.6 | 18.4 V | 566 | 1996 TM <sub>4</sub> | * 1996 10 08.56166 | 01 09 26.35 | +14 11 10.5 | 19.6 V | 566 |
| 1996 TD <sub>4</sub> | 1996 10 09.52703   | 01 19 14.33 | +07 06 46.4 | 18.3 V | 566 | 1996 TM <sub>4</sub> | 1996 10 08.57008   | 01 09 25.81 | +14 11 12.2 | 18.8 V | 566 |
| 1996 TD <sub>4</sub> | 1996 10 09.53767   | 01 19 13.77 | +07 06 40.2 | 18.2 V | 566 | 1996 TM <sub>4</sub> | 1996 10 08.57849   | 01 09 25.28 | +14 11 14.3 | 19.1 V | 566 |
| 1996 TD <sub>4</sub> | 1996 10 09.54610   | 01 19 13.33 | +07 06 35.4 | 18.3 V | 566 | 1996 TM <sub>4</sub> | 1996 10 09.55417   | 01 08 22.11 | +14 14 51.2 | 19.1 V | 566 |
| 1996 TE <sub>4</sub> | * 1996 10 08.53403 | 01 20 52.34 | +06 59 53.2 | 19.9 V | 566 | 1996 TM <sub>4</sub> | 1996 10 09.56266   | 01 08 21.55 | +14 14 53.2 | 18.8 V | 566 |
| 1996 TE <sub>4</sub> | 1996 10 08.54244   | 01 20 51.98 | +06 59 47.4 | 20.0 V | 566 | 1996 TM <sub>4</sub> | 1996 10 09.57103   | 01 08 21.00 | +14 14 55.4 | 18.9 V | 566 |
| 1996 TE <sub>4</sub> | 1996 10 08.55084   | 01 20 51.56 | +06 59 41.0 | 19.7 V | 566 | 1996 TN <sub>4</sub> | * 1996 10 08.56623 | 02 03 23.13 | +09 11 39.8 | 19.8 V | 566 |
| 1996 TE <sub>4</sub> | 1996 10 09.52703   | 01 20 07.45 | +06 47 26.9 | 19.7 V | 566 | 1996 TN <sub>4</sub> | 1996 10 08.57463   | 02 03 22.70 | +09 11 37.0 | 19.6 V | 566 |
| 1996 TE <sub>4</sub> | 1996 10 09.53767   | 01 20 06.94 | +06 47 18.9 | 19.4 V | 566 | 1996 TN <sub>4</sub> | 1996 10 08.58308   | 02 03 22.28 | +09 11 34.3 | 19.9 V | 566 |
| 1996 TE <sub>4</sub> | 1996 10 09.54610   | 01 20 06.56 | +06 47 12.8 | 19.5 V | 566 | 1996 TN <sub>4</sub> | 1996 10 09.56489   | 02 02 36.19 | +09 06 30.3 | 18.7 V | 566 |
| 1996 TF <sub>4</sub> | * 1996 10 08.53609 | 01 09 46.22 | +11 31 54.0 | 18.6 V | 566 | 1996 TN <sub>4</sub> | 1996 10 09.57328   | 02 02 35.77 | +09 06 27.4 | 19.1 V | 566 |
| 1996 TF <sub>4</sub> | 1996 10 08.54457   | 01 09 45.91 | +11 31 47.5 | 18.6 V | 566 | 1996 TN <sub>4</sub> | 1996 10 09.58382   | 02 02 35.23 | +09 06 24.4 | 19.0 V | 566 |
| 1996 TF <sub>4</sub> | 1996 10 08.55527   | 01 09 45.48 | +11 31 39.9 | 18.5 V | 566 | 1996 TO <sub>4</sub> | * 1996 10 08.56623 | 02 03 28.95 | +09 37 29.2 | 20.1 V | 566 |
| 1996 TF <sub>4</sub> | 1996 10 09.53965   | 01 09 11.27 | +11 19 44.3 | 18.5 V | 566 | 1996 TO <sub>4</sub> | 1996 10 08.57463   | 02 03 28.43 | +09 37 28.9 | 20.3 V | 566 |
| 1996 TF <sub>4</sub> | 1996 10 09.54823   | 01 09 10.95 | +11 19 37.9 | 18.3 V | 566 | 1996 TO <sub>4</sub> | 1996 10 08.58308   | 02 03 27.99 | +09 37 28.8 | 20.1 V | 566 |
| 1996 TF <sub>4</sub> | 1996 10 09.55661   | 01 09 10.61 | +11 19 31.7 | 18.6 V | 566 | 1996 TO <sub>4</sub> | 1996 10 09.56489   | 02 02 33.29 | +09 37 25.4 | 19.7 V | 566 |
| 1996 TG <sub>4</sub> | * 1996 10 08.53609 | 01 13 25.51 | +10 43 11.6 | 18.4 V | 566 | 1996 TO <sub>4</sub> | 1996 10 09.57328   | 02 02 32.79 | +09 37 25.5 | 20.0 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 08.54457   | 01 13 25.32 | +10 43 04.3 | 18.6 V | 566 | 1996 TO <sub>4</sub> | 1996 10 09.58382   | 02 02 32.18 | +09 37 25.2 | 20.2 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 08.55527   | 01 13 24.89 | +10 42 55.0 | 18.4 V | 566 | 1996 TP <sub>4</sub> | * 1996 10 08.56623 | 02 04 22.17 | +08 44 15.1 | 18.7 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 09.53965   | 01 12 57.90 | +10 28 44.5 | 18.5 V | 566 | 1996 TP <sub>4</sub> | 1996 10 08.57463   | 02 04 21.73 | +08 44 13.8 | 18.6 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 09.54823   | 01 12 57.62 | +10 28 37.2 | 18.4 V | 566 | 1996 TP <sub>4</sub> | 1996 10 08.58308   | 02 04 21.30 | +08 44 12.3 | 18.5 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 09.55661   | 01 12 57.36 | +10 28 29.9 | 18.4 V | 566 | 1996 TP <sub>4</sub> | 1996 10 09.56489   | 02 03 33.48 | +08 41 41.2 | 18.9 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 11.51433   | 01 12 03.18 | +10 00 05.8 | 18.2 V | 566 | 1996 TP <sub>4</sub> | 1996 10 09.57328   | 02 03 33.05 | +08 41 39.6 | 18.8 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 11.52289   | 01 12 02.92 | +09 59 58.5 | 18.2 V | 566 | 1996 TP <sub>4</sub> | 1996 10 09.58382   | 02 03 32.48 | +08 41 37.7 | 18.7 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 11.53130   | 01 12 02.63 | +09 59 51.3 | 18.2 V | 566 | 1996 TQ <sub>4</sub> | * 1996 10 08.56623 | 02 04 25.40 | +09 07 22.7 | 18.9 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 13.57246   | 01 11 05.67 | +09 30 01.7 | 18.1 V | 566 | 1996 TQ <sub>4</sub> | 1996 10 08.57463   | 02 04 24.86 | +09 07 21.9 | 18.7 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 13.58091   | 01 11 05.41 | +09 29 54.8 | 18.2 V | 566 | 1996 TQ <sub>4</sub> | 1996 10 08.58308   | 02 04 24.37 | +09 07 21.4 | 18.7 V | 566 |
| 1996 TG <sub>4</sub> | 1996 10 13.58937   | 01 11 05.18 | +09 29 46.9 | 18.3 V | 566 | 1996 TQ <sub>4</sub> | 1996 10 09.56489   | 02 03 25.98 | +09 06 46.6 | 18.7 V | 566 |
| 1996 TH <sub>4</sub> | * 1996 10 08.53829 | 01 10 13.27 | +12 23 18.0 | 19.5 V | 566 | 1996 TQ <sub>4</sub> | 1996 10 09.57328   | 02 03 25.44 | +09 06 46.3 | 18.9 V | 566 |
| 1996 TH <sub>4</sub> | 1996 10 08.54675   | 01 10 12.75 | +12 23 15.4 | 19.2 V | 566 | 1996 TQ <sub>4</sub> | 1996 10 09.58382   | 02 03 24.79 | +09 06 45.6 | 18.8 V | 566 |
| 1996 TH <sub>4</sub> | 1996 10 08.55742   | 01 10 12.13 | +12 23 12.2 | 19.6 V | 566 | 1996 TR <sub>4</sub> | * 1996 10 08.56623 | 02 04 35.62 | +08 22 16.6 | 18.8 V | 566 |
| 1996 TH <sub>4</sub> | 1996 10 09.55221   | 01 09 11.29 | +12 18 30.3 | 18.8 V | 566 | 1996 TR <sub>4</sub> | 1996 10 08.57463   | 02 04 35.12 | +08 22 14.3 | 18.7 V | 566 |
| 1996 TH <sub>4</sub> | 1996 10 09.56058   | 01 09 10.76 | +12 18 28.0 | 18.8 V | 566 | 1996 TR <sub>4</sub> | 1996 10 08.58308   | 02 04 34.62 | +08 22 12.1 | 18.7 V | 566 |
| 1996 TH <sub>4</sub> | 1996 10 09.56897   | 01 09 10.23 | +12 18 25.3 | 18.7 V | 566 | 1996 TR <sub>4</sub> | 1996 10 09.56489   | 02 03 39.66 | +08 17 45.3 | 18.6 V | 566 |
| 1996 TJ <sub>4</sub> | * 1996 10 08.53829 | 01 11 10.72 | +12 01 45.7 | 18.3 V | 566 | 1996 TR <sub>4</sub> | 1996 10 09.57328   | 02 03 39.16 | +08 17 43.0 | 18.8 V | 566 |
| 1996 TJ <sub>4</sub> | 1996 10 08.54675   | 01 11 10.26 | +12 01 45.0 | 18.3 V | 566 | 1996 TR <sub>4</sub> | 1996 10 09.58382   | 02 03 38.51 | +08 17 39.9 | 18.6 V | 566 |
| 1996 TJ <sub>4</sub> | 1996 10 08.55742   | 01 11 09.66 | +12 01 43.8 | 18.5 V | 566 | 1996 TS <sub>4</sub> | * 1996 10 08.56623 | 02 05 08.34 | +08 41 58.2 | 18.8 V | 566 |
| 1996 TJ <sub>4</sub> | 1996 10 09.55221   | 01 10 15.27 | +12 00 09.0 | 18.2 V | 566 | 1996 TS <sub>4</sub> | 1996 10 08.57463   | 02 05 07.81 | +08 41 57.3 | 18.7 V | 566 |
| 1996 TJ <sub>4</sub> | 1996 10 09.56058   | 01 10 14.81 | +12 00 07.8 | 18.1 V | 566 | 1996 TS <sub>4</sub> | 1996 10 08.58308   | 02 05 07.34 | +08 41 56.7 | 19.0 V | 566 |
| 1996 TJ <sub>4</sub> | 1996 10 09.56897   | 01 10 14.33 | +12 00 07.3 | 18.2 V | 566 | 1996 TS <sub>4</sub> | 1996 10 09.56489   | 02 04 11.60 | +08 40 43.1 | 18.8 V | 566 |
| 1996 TK <sub>4</sub> | * 1996 10 08.56166 | 01 06 09.99 | +13 46 12.4 | 19.7 V | 566 | 1996 TS <sub>4</sub> | 1996 10 09.57328   | 02 04 11.08 | +08 40 42.1 | 18.8 V | 566 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TS <sub>4</sub> | 1996 10 09.58382   | 02 04 10.44 | +08 40 41.2 | 18.8 V | 566 | 1996 TK <sub>5</sub> | 1996 10 10.48996   | 01 54 28.23 | +00 54 08.8 | 19.5 V | 566 |
| 1996 TT <sub>4</sub> | * 1996 10 08.56623 | 02 05 45.31 | +08 37 51.7 | 19.2 V | 566 | 1996 TK <sub>5</sub> | 1996 10 10.49843   | 01 54 27.86 | +00 54 03.3 | 19.5 V | 566 |
| 1996 TT <sub>4</sub> | 1996 10 08.57463   | 02 05 44.91 | +08 37 49.5 | 19.8 V | 566 | 1996 TK <sub>5</sub> | 1996 10 10.50688   | 01 54 27.54 | +00 53 58.1 | 19.6 V | 566 |
| 1996 TT <sub>4</sub> | 1996 10 08.58308   | 02 05 44.52 | +08 37 47.8 | 19.6 V | 566 | 1996 TL <sub>5</sub> | * 1996 10 09.52289 | 01 55 33.33 | +01 41 18.2 | 20.0 V | 566 |
| 1996 TT <sub>4</sub> | 1996 10 09.56489   | 02 04 59.44 | +08 33 52.1 | 19.3 V | 566 | 1996 TL <sub>5</sub> | 1996 10 09.53350   | 01 55 32.61 | +01 41 13.7 | 19.4 V | 566 |
| 1996 TT <sub>4</sub> | 1996 10 09.57328   | 02 04 59.03 | +08 33 50.0 | 19.4 V | 566 | 1996 TL <sub>5</sub> | 1996 10 09.54191   | 01 55 32.19 | +01 41 09.7 | 19.4 V | 566 |
| 1996 TT <sub>4</sub> | 1996 10 09.58382   | 02 04 58.53 | +08 33 47.3 | 19.4 V | 566 | 1996 TL <sub>5</sub> | 1996 10 10.48996   | 01 54 41.37 | +01 34 53.0 | 19.4 V | 566 |
| 1996 TU <sub>4</sub> | * 1996 10 08.58524 | 02 04 12.06 | +09 53 29.2 | 20.2 V | 566 | 1996 TL <sub>5</sub> | 1996 10 10.49843   | 01 54 40.89 | +01 34 49.5 | 19.3 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 08.59367   | 02 04 11.52 | +09 53 27.4 | 19.8 V | 566 | 1996 TL <sub>5</sub> | 1996 10 10.50688   | 01 54 40.47 | +01 34 45.9 | 19.7 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 08.60210   | 02 04 10.98 | +09 53 25.8 | 19.3 V | 566 | 1996 TM <sub>5</sub> | * 1996 10 09.58792 | 01 58 10.28 | +12 34 17.0 | 18.4 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 09.56489   | 02 03 16.27 | +09 50 39.5 | 18.6 V | 566 | 1996 TM <sub>5</sub> | 1996 10 09.59630   | 01 58 09.97 | +12 34 09.3 | 18.6 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 09.57328   | 02 03 15.78 | +09 50 38.0 | 18.5 V | 566 | 1996 TM <sub>5</sub> | 1996 10 09.60472   | 01 58 09.61 | +12 34 02.0 | 18.5 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 09.57746   | 02 03 15.59 | +09 50 37.0 | 18.8 V | 566 | 1996 TM <sub>5</sub> | 1996 10 10.48788   | 01 57 37.45 | +12 20 53.9 | 18.3 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 09.58382   | 02 03 15.13 | +09 50 36.3 | 18.5 V | 566 | 1996 TM <sub>5</sub> | 1996 10 10.49638   | 01 57 37.09 | +12 20 46.2 | 18.4 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 09.58583   | 02 03 15.10 | +09 50 35.9 | 18.8 V | 566 | 1996 TM <sub>5</sub> | 1996 10 10.50483   | 01 57 36.77 | +12 20 38.9 | 18.7 V | 566 |
| 1996 TU <sub>4</sub> | 1996 10 09.59426   | 02 03 14.66 | +09 50 34.2 | 18.6 V | 566 | 1996 TN <sub>5</sub> | * 1996 10 09.58792 | 01 58 35.50 | +12 39 07.7 | 18.8 V | 566 |
| 1996 TV <sub>4</sub> | * 1996 10 08.58780 | 02 01 55.10 | +12 29 25.1 | 20.2 V | 566 | 1996 TN <sub>5</sub> | 1996 10 09.59630   | 01 58 34.66 | +12 39 17.6 | 19.1 V | 566 |
| 1996 TV <sub>4</sub> | 1996 10 08.59621   | 02 01 54.53 | +12 29 22.7 | 20.1 V | 566 | 1996 TN <sub>5</sub> | 1996 10 09.60472   | 01 58 33.80 | +12 39 28.3 | 19.1 V | 566 |
| 1996 TV <sub>4</sub> | 1996 10 08.60458   | 02 01 54.16 | +12 29 21.3 | 19.7 V | 566 | 1996 TN <sub>5</sub> | 1996 10 10.48788   | 01 57 07.07 | +12 58 02.2 | 19.1 V | 566 |
| 1996 TV <sub>4</sub> | 1996 10 09.58792   | 02 01 06.08 | +12 25 56.3 | 19.2 V | 566 | 1996 TN <sub>5</sub> | 1996 10 10.49638   | 01 57 06.17 | +12 58 12.8 | 19.3 V | 566 |
| 1996 TV <sub>4</sub> | 1996 10 09.59630   | 02 01 05.67 | +12 25 54.4 | 19.1 V | 566 | 1996 TN <sub>5</sub> | 1996 10 10.50483   | 01 57 05.30 | +12 58 23.7 | 19.2 V | 566 |
| 1996 TV <sub>4</sub> | 1996 10 09.60472   | 02 01 05.20 | +12 25 52.5 | 19.4 V | 566 | 1996 TN <sub>5</sub> | 1996 10 11.49980   | 01 55 25.08 | +13 19 21.1 | 20.2 V | 566 |
| 1996 TW <sub>4</sub> | * 1996 10 08.59007 | 01 50 19.13 | +16 58 23.8 | 19.4 V | 566 | 1996 TN <sub>5</sub> | 1996 10 11.51037   | 01 55 23.94 | +13 19 34.8 | 19.5 V | 566 |
| 1996 TW <sub>4</sub> | 1996 10 08.59848   | 01 50 18.62 | +16 58 23.9 | 19.4 V | 566 | 1996 TN <sub>5</sub> | 1996 10 11.51880   | 01 55 23.06 | +13 19 45.0 | 19.6 V | 566 |
| 1996 TW <sub>4</sub> | 1996 10 08.60691   | 01 50 18.08 | +16 58 24.5 | 19.3 V | 566 | 1996 TO <sub>5</sub> | * 1996 10 09.25359 | 20 52 17.70 | -18 18 20.3 | 19.0 V | 566 |
| 1996 TW <sub>4</sub> | 1996 10 09.58996   | 01 49 21.53 | +16 59 22.3 | 19.5 V | 566 | 1996 TO <sub>5</sub> | 1996 10 09.26451   | 20 52 18.05 | -18 18 36.0 | 19.1 V | 566 |
| 1996 TW <sub>4</sub> | 1996 10 09.59839   | 01 49 21.01 | +16 59 22.7 | 19.4 V | 566 | 1996 TO <sub>5</sub> | 1996 10 09.27321   | 20 52 18.52 | -18 18 47.7 | 19.1 V | 566 |
| 1996 TW <sub>4</sub> | 1996 10 09.60679   | 01 49 20.46 | +16 59 22.7 | 19.4 V | 566 | 1996 TO <sub>5</sub> | 1996 10 10.23289   | 20 52 59.11 | -18 41 08.8 | 19.9 V | 566 |
| 1996 TX <sub>4</sub> | * 1996 10 08.59007 | 01 53 27.63 | +15 55 59.8 | 19.5 V | 566 | 1996 TO <sub>5</sub> | 1996 10 10.24163   | 20 52 59.61 | -18 41 21.3 | 18.7 V | 566 |
| 1996 TX <sub>4</sub> | 1996 10 08.59848   | 01 53 27.18 | +15 55 58.3 | 19.7 V | 566 | 1996 TO <sub>5</sub> | 1996 10 10.25459   | 20 53 00.13 | -18 41 39.3 | 18.4 V | 566 |
| 1996 TX <sub>4</sub> | 1996 10 08.60691   | 01 53 26.68 | +15 55 56.6 | 19.8 V | 566 | 1996 TP <sub>5</sub> | * 1996 10 09.31819 | 22 20 09.15 | -26 42 39.5 | 19.0 V | 566 |
| 1996 TX <sub>4</sub> | 1996 10 09.58996   | 01 52 33.03 | +15 52 45.9 | 19.2 V | 566 | 1996 TP <sub>5</sub> | 1996 10 09.32665   | 22 20 09.27 | -26 42 30.9 | 19.1 V | 566 |
| 1996 TX <sub>4</sub> | 1996 10 09.59839   | 01 52 32.57 | +15 52 44.1 | 19.0 V | 566 | 1996 TP <sub>5</sub> | 1996 10 09.33510   | 22 20 09.46 | -26 42 22.0 | 19.7 V | 566 |
| 1996 TX <sub>4</sub> | 1996 10 09.60679   | 01 52 32.05 | +15 52 42.6 | 19.0 V | 566 | 1996 TP <sub>5</sub> | 1996 10 10.30383   | 22 20 20.90 | -26 25 26.8 | 19.6 V | 566 |
| 1996 TY <sub>4</sub> | 1996 10 11.53926   | 01 00 21.67 | +06 37 11.2 | 17.7 V | 566 | 1996 TP <sub>5</sub> | 1996 10 10.31225   | 22 20 20.99 | -26 25 17.8 | 19.5 V | 566 |
| 1996 TY <sub>4</sub> | 1996 10 11.54785   | 01 00 21.14 | +06 37 10.6 | 17.7 V | 566 | 1996 TP <sub>5</sub> | 1996 10 10.32072   | 22 20 21.10 | -26 25 09.2 | 18.6 V | 566 |
| 1996 TY <sub>4</sub> | 1996 10 11.55636   | 01 00 20.61 | +06 37 09.7 | 17.8 V | 566 | 1996 TM <sub>6</sub> | 1996 09 13.31494   | 22 03 03.83 | -16 08 46.9 | 18.6 V | 566 |
| 1996 TF <sub>5</sub> | 1996 10 11.53725   | 01 01 16.49 | +06 10 43.3 | 18.2 V | 566 | 1996 TM <sub>6</sub> | 1996 09 13.32651   | 22 03 03.23 | -16 08 49.2 | 19.2 V | 566 |
| 1996 TF <sub>5</sub> | 1996 10 11.54575   | 01 01 16.03 | +06 10 38.7 | 18.1 V | 566 | 1996 TM <sub>6</sub> | 1996 09 13.33560   | 22 03 02.84 | -16 08 50.1 | 18.9 V | 566 |
| 1996 TF <sub>5</sub> | 1996 10 11.55438   | 01 01 15.54 | +06 10 34.6 | 18.2 V | 566 | 1996 TT <sub>6</sub> | * 1996 10 09.47474 | 00 30 49.88 | +07 55 18.2 | 18.6 V | 566 |
| 1996 TH <sub>5</sub> | 1996 10 18.29465   | 23 39 14.81 | -03 01 58.7 | 19.9 V | 566 | 1996 TT <sub>6</sub> | 1996 10 09.48324   | 00 30 49.36 | +07 55 06.4 | 18.6 V | 566 |
| 1996 TH <sub>5</sub> | 1996 10 18.30734   | 23 39 14.33 | -03 02 00.0 | 19.8 V | 566 | 1996 TT <sub>6</sub> | 1996 10 09.49170   | 00 30 48.91 | +07 54 54.6 | 18.7 V | 566 |
| 1996 TH <sub>5</sub> | 1996 10 18.31581   | 23 39 13.99 | -03 02 00.9 | 19.4 V | 566 | 1996 TT <sub>6</sub> | 1996 10 11.51236   | 00 28 53.46 | +07 07 00.3 | 18.6 V | 566 |
| 1996 TJ <sub>5</sub> | * 1996 10 09.52289 | 01 54 26.48 | +01 48 53.8 | 18.0 V | 566 | 1996 TT <sub>6</sub> | 1996 10 11.52080   | 00 28 52.94 | +07 06 48.1 | 18.9 V | 566 |
| 1996 TJ <sub>5</sub> | 1996 10 09.53350   | 01 54 25.87 | +01 48 50.4 | 18.1 V | 566 | 1996 TT <sub>6</sub> | 1996 10 11.52923   | 00 28 52.45 | +07 06 36.3 | 19.0 V | 566 |
| 1996 TJ <sub>5</sub> | 1996 10 09.54191   | 01 54 25.39 | +01 48 47.7 | 18.1 V | 566 | 1996 TU <sub>6</sub> | * 1996 10 10.30383 | 22 22 51.82 | -25 57 24.0 | 20.0 V | 566 |
| 1996 TJ <sub>5</sub> | 1996 10 10.48996   | 01 53 34.44 | +01 43 31.4 | 17.8 V | 566 | 1996 TU <sub>6</sub> | 1996 10 10.31225   | 22 22 51.88 | -25 57 17.5 | 19.7 V | 566 |
| 1996 TJ <sub>5</sub> | 1996 10 10.49843   | 01 53 33.98 | +01 43 28.4 | 17.9 V | 566 | 1996 TU <sub>6</sub> | 1996 10 10.32072   | 22 22 52.00 | -25 57 09.5 | 19.7 V | 566 |
| 1996 TJ <sub>5</sub> | 1996 10 10.50688   | 01 53 33.51 | +01 43 25.5 | 17.9 V | 566 | 1996 TU <sub>6</sub> | 1996 10 11.45778   | 22 23 09.11 | -25 40 25.2 | 19.6 V | 566 |
| 1996 TK <sub>5</sub> | * 1996 10 09.52289 | 01 55 11.29 | +01 04 17.5 | 19.7 V | 566 | 1996 TU <sub>6</sub> | 1996 10 11.46828   | 22 23 09.28 | -25 40 15.9 | 19.0 V | 566 |
| 1996 TK <sub>5</sub> | 1996 10 09.53350   | 01 55 10.69 | +01 04 10.9 | 19.1 V | 566 | 1996 TU <sub>6</sub> | 1996 10 11.47844   | 22 23 09.37 | -25 40 06.8 | 19.5 V | 566 |
| 1996 TK <sub>5</sub> | 1996 10 09.54191   | 01 55 10.30 | +01 04 05.2 | 19.1 V | 566 | 1996 TV <sub>6</sub> | * 1996 10 10.58604 | 01 27 20.29 | +13 18 13.9 | 19.6 V | 566 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TV <sub>6</sub> | 1996 10 10.62752   | 01 27 17.44 | +13 17 58.8 | 19.0 V | 566 | 1996 TL <sub>7</sub> | 1996 10 11.58186   | 01 48 47.44 | +06 57 22.3 | 19.0 V | 566 |
| 1996 TV <sub>6</sub> | 1996 10 10.63595   | 01 27 16.91 | +13 17 55.9 | 19.3 V | 566 | 1996 TL <sub>7</sub> | 1996 10 12.51331   | 01 47 55.59 | +06 53 07.3 | 19.3 V | 566 |
| 1996 TV <sub>6</sub> | 1996 10 11.45981   | 01 26 25.09 | +13 13 24.9 | 19.2 V | 566 | 1996 TL <sub>7</sub> | 1996 10 12.52173   | 01 47 55.09 | +06 53 05.1 | 19.3 V | 566 |
| 1996 TV <sub>6</sub> | 1996 10 11.47029   | 01 26 24.41 | +13 13 21.0 | 19.3 V | 566 | 1996 TL <sub>7</sub> | 1996 10 12.53014   | 01 47 54.47 | +06 53 02.4 | 19.2 V | 566 |
| 1996 TV <sub>6</sub> | 1996 10 11.48065   | 01 26 23.68 | +13 13 17.6 | 19.6 V | 566 | 1996 TM <sub>7</sub> | * 1996 10 08.51281 | 01 55 33.11 | +01 06 28.2 | 19.4 V | 566 |
| 1996 TW <sub>6</sub> | * 1996 10 09.58792 | 01 57 10.12 | +12 46 09.4 | 20.1 V | 566 | 1996 TM <sub>7</sub> | 1996 10 08.52121   | 01 55 32.35 | +01 06 32.6 | 19.0 V | 566 |
| 1996 TW <sub>6</sub> | 1996 10 09.59630   | 01 57 09.67 | +12 46 08.8 | 19.9 V | 566 | 1996 TM <sub>7</sub> | 1996 10 08.52965   | 01 55 31.62 | +01 06 36.7 | 19.3 V | 566 |
| 1996 TW <sub>6</sub> | 1996 10 09.60472   | 01 57 09.22 | +12 46 08.7 | 20.0 V | 566 | 1996 TM <sub>7</sub> | 1996 10 12.48401   | 01 49 09.89 | +01 40 14.9 | 18.5 V | 566 |
| 1996 TW <sub>6</sub> | 1996 10 11.49980   | 01 55 32.85 | +12 44 14.5 | 19.7 V | 566 | 1996 TM <sub>7</sub> | 1996 10 12.49241   | 01 49 09.07 | +01 40 19.3 | 18.6 V | 566 |
| 1996 TW <sub>6</sub> | 1996 10 11.51037   | 01 55 32.26 | +12 44 13.8 | 19.9 V | 566 | 1996 TM <sub>7</sub> | 1996 10 12.50082   | 01 49 08.23 | +01 40 23.6 | 18.6 V | 566 |
| 1996 TW <sub>6</sub> | 1996 10 11.51880   | 01 55 31.77 | +12 44 13.4 | 20.0 V | 566 | 1996 TN <sub>7</sub> | * 1996 10 08.51281 | 01 58 53.13 | +00 18 58.6 | 19.0 V | 566 |
| 1996 TX <sub>6</sub> | * 1996 10 10.48788 | 01 55 18.84 | +13 36 29.4 | 20.0 V | 566 | 1996 TN <sub>7</sub> | 1996 10 08.52121   | 01 58 52.73 | +00 18 52.9 | 18.9 V | 566 |
| 1996 TX <sub>6</sub> | 1996 10 10.49638   | 01 55 18.39 | +13 36 27.9 | 19.9 V | 566 | 1996 TN <sub>7</sub> | 1996 10 08.52965   | 01 58 52.34 | +00 18 47.3 | 19.0 V | 566 |
| 1996 TX <sub>6</sub> | 1996 10 10.50483   | 01 55 17.97 | +13 36 26.5 | 20.3 V | 566 | 1996 TN <sub>7</sub> | 1996 10 12.49015   | 01 55 55.45 | -00 25 27.1 | 18.9 V | 566 |
| 1996 TX <sub>6</sub> | 1996 10 11.49980   | 01 54 26.82 | +13 33 12.3 | 20.0 V | 566 | 1996 TN <sub>7</sub> | 1996 10 12.49860   | 01 55 54.98 | -00 25 32.9 | 18.9 V | 566 |
| 1996 TX <sub>6</sub> | 1996 10 11.51037   | 01 54 26.16 | +13 33 10.0 | 20.0 V | 566 | 1996 TN <sub>7</sub> | 1996 10 12.50703   | 01 55 54.55 | -00 25 38.5 | 18.7 V | 566 |
| 1996 TX <sub>6</sub> | 1996 10 11.51880   | 01 54 25.73 | +13 33 08.5 | 20.3 V | 566 | 1996 TN <sub>7</sub> | 1996 10 13.54296   | 01 55 06.06 | -00 36 57.8 | 18.8 V | 566 |
| 1996 TY <sub>6</sub> | * 1996 10 10.48788 | 01 56 46.13 | +13 15 55.5 | 19.3 V | 566 | 1996 TN <sub>7</sub> | 1996 10 13.55135   | 01 55 05.64 | -00 37 03.4 | 18.8 V | 566 |
| 1996 TY <sub>6</sub> | 1996 10 10.49638   | 01 56 45.50 | +13 15 53.6 | 19.7 V | 566 | 1996 TN <sub>7</sub> | 1996 10 13.55978   | 01 55 05.27 | -00 37 09.0 | 18.6 V | 566 |
| 1996 TY <sub>6</sub> | 1996 10 10.50483   | 01 56 45.03 | +13 15 52.5 | 19.5 V | 566 | 1996 TO <sub>7</sub> | * 1996 10 08.51498 | 01 18 00.53 | +04 25 29.6 | 19.4 V | 566 |
| 1996 TY <sub>6</sub> | 1996 10 11.49980   | 01 55 39.93 | +13 13 02.1 | 19.4 V | 566 | 1996 TO <sub>7</sub> | 1996 10 08.52339   | 01 18 00.01 | +04 25 26.9 | 19.1 V | 566 |
| 1996 TY <sub>6</sub> | 1996 10 11.51037   | 01 55 39.18 | +13 13 00.2 | 19.6 V | 566 | 1996 TO <sub>7</sub> | 1996 10 08.53184   | 01 17 59.62 | +04 25 24.3 | 19.4 V | 566 |
| 1996 TY <sub>6</sub> | 1996 10 11.51880   | 01 55 38.64 | +13 12 58.6 | 19.8 V | 566 | 1996 TO <sub>7</sub> | 1996 10 12.43593   | 01 14 09.28 | +04 06 30.4 | 18.5 V | 566 |
| 1996 TZ <sub>6</sub> | * 1996 10 10.48788 | 01 57 52.87 | +12 46 50.9 | 19.1 V | 566 | 1996 TO <sub>7</sub> | 1996 10 12.44435   | 01 14 08.72 | +04 06 27.9 | 18.3 V | 566 |
| 1996 TZ <sub>6</sub> | 1996 10 10.49638   | 01 57 52.38 | +12 46 47.5 | 19.3 V | 566 | 1996 TO <sub>7</sub> | 1996 10 12.45275   | 01 14 08.21 | +04 06 25.6 | 18.3 V | 566 |
| 1996 TZ <sub>6</sub> | 1996 10 10.50483   | 01 57 51.93 | +12 46 43.4 | 19.3 V | 566 | 1996 TP <sub>7</sub> | * 1996 10 09.47474 | 00 26 38.89 | +06 59 34.8 | 19.2 V | 566 |
| 1996 TZ <sub>6</sub> | 1996 10 11.49980   | 01 57 00.77 | +12 39 38.8 | 19.4 V | 566 | 1996 TP <sub>7</sub> | 1996 10 09.48324   | 00 26 38.40 | +06 59 34.7 | 19.2 V | 566 |
| 1996 TZ <sub>6</sub> | 1996 10 11.51037   | 01 57 00.16 | +12 39 34.4 | 19.2 V | 566 | 1996 TP <sub>7</sub> | 1996 10 09.49170   | 00 26 37.93 | +06 59 35.7 | 20.2 V | 566 |
| 1996 TZ <sub>6</sub> | 1996 10 11.51880   | 01 56 59.73 | +12 39 30.8 | 19.5 V | 566 | 1996 TP <sub>7</sub> | 1996 10 12.36892   | 00 23 54.23 | +07 01 44.7 | 18.5 V | 566 |
| 1996 TA <sub>7</sub> | * 1996 10 10.58604 | 01 28 11.78 | +13 41 21.7 | 18.7 V | 566 | 1996 TP <sub>7</sub> | 1996 10 12.37741   | 00 23 53.74 | +07 01 45.2 | 18.5 V | 566 |
| 1996 TA <sub>7</sub> | 1996 10 10.62752   | 01 28 09.02 | +13 41 19.8 | 18.9 V | 566 | 1996 TP <sub>7</sub> | 1996 10 12.38584   | 00 23 53.28 | +07 01 45.0 | 19.0 V | 566 |
| 1996 TA <sub>7</sub> | 1996 10 10.63595   | 01 28 08.48 | +13 41 19.1 | 19.0 V | 566 | 1996 TQ <sub>7</sub> | * 1996 10 09.52289 | 01 52 35.20 | +01 48 44.1 | 20.1 V | 566 |
| 1996 TA <sub>7</sub> | 1996 10 11.45981   | 01 27 15.44 | +13 40 47.0 | 18.6 V | 566 | 1996 TQ <sub>7</sub> | 1996 10 09.53350   | 01 52 34.44 | +01 48 40.5 | 19.6 V | 566 |
| 1996 TA <sub>7</sub> | 1996 10 11.47029   | 01 27 14.72 | +13 40 46.6 | 18.7 V | 566 | 1996 TQ <sub>7</sub> | 1996 10 09.54191   | 01 52 33.92 | +01 48 38.1 | 19.4 V | 566 |
| 1996 TA <sub>7</sub> | 1996 10 11.48065   | 01 27 14.01 | +13 40 46.3 | 18.6 V | 566 | 1996 TQ <sub>7</sub> | 1996 10 12.48401   | 01 49 46.94 | +01 32 24.8 | 19.4 V | 566 |
| 1996 TB <sub>7</sub> | * 1996 10 10.58604 | 01 28 58.49 | +12 58 11.8 | 19.1 V | 566 | 1996 TQ <sub>7</sub> | 1996 10 12.49241   | 01 49 46.44 | +01 32 21.7 | 19.4 V | 566 |
| 1996 TB <sub>7</sub> | 1996 10 10.62752   | 01 28 56.55 | +12 57 43.5 | 18.7 V | 566 | 1996 TQ <sub>7</sub> | 1996 10 12.50082   | 01 49 45.97 | +01 32 19.1 | 19.5 V | 566 |
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| 1996 TB <sub>7</sub> | 1996 10 11.47029   | 01 28 19.01 | +12 48 17.9 | 18.8 V | 566 | 1996 TR <sub>7</sub> | 1996 10 12.49015   | 01 53 16.73 | +00 48 58.0 | 19.2 V | 566 |
| 1996 TB <sub>7</sub> | 1996 10 11.48065   | 01 28 18.48 | +12 48 10.5 | 18.7 V | 566 | 1996 TR <sub>7</sub> | 1996 10 12.49860   | 01 53 16.29 | +00 48 54.1 | 19.2 V | 566 |
| 1996 TG <sub>7</sub> | 1996 09 17.27253   | 00 41 49.64 | +02 13 40.7 | 17.4 V | 566 | 1996 TR <sub>7</sub> | 1996 10 12.50703   | 01 53 15.87 | +00 48 50.4 | 19.1 V | 566 |
| 1996 TG <sub>7</sub> | 1996 09 17.28337   | 00 41 49.05 | +02 13 38.5 | 17.4 V | 566 | 1996 TS <sub>7</sub> | * 1996 10 11.56276 | 01 44 27.63 | +07 21 56.3 | 19.1 V | 566 |
| 1996 TG <sub>7</sub> | 1996 09 17.29357   | 00 41 48.54 | +02 13 36.4 | 17.2 V | 566 | 1996 TS <sub>7</sub> | 1996 10 11.57346   | 01 44 26.91 | +07 21 51.5 | 18.8 V | 566 |
| 1996 TH <sub>7</sub> | 1996 09 17.27078   | 00 44 12.28 | +03 20 42.0 | 18.3 V | 566 | 1996 TS <sub>7</sub> | 1996 10 11.58186   | 01 44 26.43 | +07 21 48.6 | 18.4 V | 566 |
| 1996 TH <sub>7</sub> | 1996 09 17.27253   | 00 44 12.20 | +03 20 40.6 | 18.1 V | 566 | 1996 TS <sub>7</sub> | 1996 10 12.50282   | 01 43 36.05 | +07 15 53.6 | 19.0 V | 566 |
| 1996 TH <sub>7</sub> | 1996 09 17.28148   | 00 44 11.79 | +03 20 39.2 | 18.1 V | 566 | 1996 TS <sub>7</sub> | 1996 10 12.51123   | 01 43 35.55 | +07 15 50.5 | 19.1 V | 566 |
| 1996 TH <sub>7</sub> | 1996 09 17.28337   | 00 44 11.70 | +03 20 38.1 | 18.1 V | 566 | 1996 TS <sub>7</sub> | 1996 10 12.51965   | 01 43 35.03 | +07 15 46.9 | 18.9 V | 566 |
| 1996 TH <sub>7</sub> | 1996 09 17.29172   | 00 44 11.35 | +03 20 37.0 | 17.9 V | 566 | 1996 TT <sub>7</sub> | * 1996 10 11.56276 | 01 45 05.90 | +06 48 39.7 | 19.8 V | 566 |
| 1996 TH <sub>7</sub> | 1996 09 17.29357   | 00 44 11.21 | +03 20 36.0 | 18.2 V | 566 | 1996 TT <sub>7</sub> | 1996 10 11.57346   | 01 45 05.14 | +06 48 35.5 | 19.7 V | 566 |
| 1996 TL <sub>7</sub> | * 1996 10 11.56276 | 01 48 48.56 | +06 57 27.4 | 19.1 V | 566 | 1996 TT <sub>7</sub> | 1996 10 11.58186   | 01 45 04.71 | +06 48 32.1 | 19.2 V | 566 |
| 1996 TL <sub>7</sub> | 1996 10 11.57346   | 01 48 47.93 | +06 57 24.5 | 19.1 V | 566 | 1996 TT <sub>7</sub> | 1996 10 12.50282   | 01 44 15.72 | +06 42 11.5 | 18.7 V | 566 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TT <sub>7</sub> | 1996 10 12.51123   | 01 44 15.26 | +06 42 07.8 | 18.6 V | 566 | 1996 TH <sub>8</sub> | 1996 10 19.34645   | 23 48 32.01 | −02 39 31.3 | 18.7 V | 566 |
| 1996 TT <sub>7</sub> | 1996 10 12.51965   | 01 44 14.77 | +06 42 04.6 | 19.0 V | 566 | 1996 TJ <sub>8</sub> | * 1996 10 09.50404 | 00 30 54.66 | +07 04 45.3 | 18.1 V | 566 |
| 1996 TU <sub>7</sub> | * 1996 10 11.56276 | 01 45 53.08 | +07 19 51.9 | 19.1 V | 566 | 1996 TJ <sub>8</sub> | 1996 10 09.51244   | 00 30 54.22 | +07 04 45.2 | 18.0 V | 566 |
| 1996 TU <sub>7</sub> | 1996 10 11.57346   | 01 45 52.56 | +07 19 47.1 | 18.9 V | 566 | 1996 TJ <sub>8</sub> | 1996 10 09.52086   | 00 30 53.77 | +07 04 45.1 | 18.0 V | 566 |
| 1996 TU <sub>7</sub> | 1996 10 11.58186   | 01 45 52.17 | +07 19 43.0 | 19.3 V | 566 | 1996 TJ <sub>8</sub> | 1996 10 13.46973   | 00 27 37.47 | +07 02 54.1 | 19.2 V | 566 |
| 1996 TU <sub>7</sub> | 1996 10 12.50282   | 01 45 13.77 | +07 12 43.6 | 19.2 V | 566 | 1996 TJ <sub>8</sub> | 1996 10 13.47859   | 00 27 36.99 | +07 02 54.0 | 19.3 V | 566 |
| 1996 TU <sub>7</sub> | 1996 10 12.51123   | 01 45 13.40 | +07 12 39.9 | 19.3 V | 566 | 1996 TJ <sub>8</sub> | 1996 10 13.48708   | 00 27 36.58 | +07 02 53.8 | 19.1 V | 566 |
| 1996 TU <sub>7</sub> | 1996 10 12.51965   | 01 45 13.03 | +07 12 36.0 | 19.5 V | 566 | 1996 TK <sub>8</sub> | * 1996 10 09.52495 | 01 20 16.95 | +05 30 54.0 | 19.2 V | 566 |
| 1996 TV <sub>7</sub> | * 1996 10 11.56276 | 01 47 22.62 | +07 19 03.1 | 19.6 V | 566 | 1996 TK <sub>8</sub> | 1996 10 09.53556   | 01 20 16.43 | +05 30 51.2 | 18.8 V | 566 |
| 1996 TV <sub>7</sub> | 1996 10 11.57346   | 01 47 21.93 | +07 19 02.6 | 19.2 V | 566 | 1996 TK <sub>8</sub> | 1996 10 09.54400   | 01 20 16.01 | +05 30 48.9 | 19.1 V | 566 |
| 1996 TV <sub>7</sub> | 1996 10 11.58186   | 01 47 21.37 | +07 19 01.4 | 19.5 V | 566 | 1996 TK <sub>8</sub> | 1996 10 13.54497   | 01 17 12.58 | +05 12 58.2 | 19.8 V | 566 |
| 1996 TV <sub>7</sub> | 1996 10 12.50282   | 01 46 26.66 | +07 17 43.7 | 19.8 V | 566 | 1996 TK <sub>8</sub> | 1996 10 13.55562   | 01 17 12.06 | +05 12 55.4 | 19.2 V | 566 |
| 1996 TV <sub>7</sub> | 1996 10 12.51123   | 01 46 26.10 | +07 17 42.8 | 20.2 V | 566 | 1996 TK <sub>8</sub> | 1996 10 13.56402   | 01 17 11.66 | +05 12 53.3 | 19.2 V | 566 |
| 1996 TV <sub>7</sub> | 1996 10 12.51965   | 01 46 25.67 | +07 17 42.5 | 20.2 V | 566 | 1996 TL <sub>8</sub> | * 1996 10 09.52495 | 01 23 37.76 | +04 27 11.8 | 19.8 V | 566 |
| 1996 TW <sub>7</sub> | * 1996 10 11.56276 | 01 48 19.00 | +07 11 59.2 | 18.9 V | 566 | 1996 TL <sub>8</sub> | 1996 10 09.53556   | 01 23 37.18 | +04 27 09.1 | 19.2 V | 566 |
| 1996 TW <sub>7</sub> | 1996 10 11.57346   | 01 48 18.34 | +07 11 55.7 | 18.7 V | 566 | 1996 TL <sub>8</sub> | 1996 10 09.54400   | 01 23 36.79 | +04 27 07.1 | 19.5 V | 566 |
| 1996 TW <sub>7</sub> | 1996 10 11.58186   | 01 48 17.86 | +07 11 53.0 | 18.7 V | 566 | 1996 TL <sub>8</sub> | 1996 10 13.54497   | 01 20 41.36 | +04 11 06.9 | 20.4 V | 566 |
| 1996 TW <sub>7</sub> | 1996 10 12.50282   | 01 47 27.60 | +07 07 00.1 | 18.8 V | 566 | 1996 TL <sub>8</sub> | 1996 10 13.55562   | 01 20 40.82 | +04 11 04.3 | 19.5 V | 566 |
| 1996 TW <sub>7</sub> | 1996 10 12.51123   | 01 47 27.18 | +07 06 57.8 | 19.1 V | 566 | 1996 TL <sub>8</sub> | 1996 10 13.56402   | 01 20 40.43 | +04 11 02.8 | 20.4 V | 566 |
| 1996 TW <sub>7</sub> | 1996 10 12.51965   | 01 47 26.61 | +07 06 54.8 | 18.9 V | 566 | 1996 TM <sub>8</sub> | * 1996 10 09.52703 | 01 18 40.14 | +07 14 02.4 | 18.7 V | 566 |
| 1996 TZ <sub>7</sub> | 1996 10 12.45478   | 01 09 49.87 | +07 00 52.0 | 18.9 V | 566 | 1996 TM <sub>8</sub> | 1996 10 09.53767   | 01 18 39.51 | +07 13 58.3 | 18.6 V | 566 |
| 1996 TZ <sub>7</sub> | 1996 10 12.46321   | 01 09 49.49 | +07 00 50.0 | 18.8 V | 566 | 1996 TM <sub>8</sub> | 1996 10 09.54610   | 01 18 39.03 | +07 13 54.9 | 18.2 V | 566 |
| 1996 TZ <sub>7</sub> | 1996 10 12.47162   | 01 09 49.09 | +07 00 48.1 | 18.9 V | 566 | 1996 TM <sub>8</sub> | 1996 10 13.57039   | 01 14 48.43 | +06 47 46.0 | 20.3 V | 566 |
| 1996 TC <sub>8</sub> | 1996 10 16.59839   | 01 06 06.64 | +07 21 02.3 | 19.2 V | 566 | 1996 TM <sub>8</sub> | 1996 10 13.57883   | 01 14 47.92 | +06 47 44.4 | 19.7 V | 566 |
| 1996 TC <sub>8</sub> | 1996 10 16.60694   | 01 06 06.09 | +07 20 58.7 | 19.2 V | 566 | 1996 TM <sub>8</sub> | 1996 10 13.58722   | 01 14 47.39 | +06 47 40.9 | 19.8 V | 566 |
| 1996 TC <sub>8</sub> | 1996 10 16.61535   | 01 06 05.59 | +07 20 55.6 | 19.3 V | 566 | 1996 TN <sub>8</sub> | * 1996 10 09.52703 | 01 19 58.16 | +06 57 39.1 | 17.9 V | 566 |
| 1996 TD <sub>8</sub> | * 1996 10 12.54237 | 01 41 26.01 | +17 00 39.6 | 16.8 V | 566 | 1996 TN <sub>8</sub> | 1996 10 09.53767   | 01 19 57.60 | +06 57 37.4 | 17.9 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 12.55085   | 01 41 25.90 | +17 00 28.1 | 16.8 V | 566 | 1996 TN <sub>8</sub> | 1996 10 09.54610   | 01 19 57.17 | +06 57 36.1 | 18.2 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 12.55926   | 01 41 25.78 | +17 00 16.8 | 16.8 V | 566 | 1996 TN <sub>8</sub> | 1996 10 13.57039   | 01 16 33.47 | +06 46 57.5 | 18.9 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 13.49327   | 01 41 18.54 | +16 39 27.8 | 17.2 V | 566 | 1996 TN <sub>8</sub> | 1996 10 13.57883   | 01 16 32.97 | +06 46 56.0 | 19.0 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 13.50171   | 01 41 18.43 | +16 39 16.1 | 17.1 V | 566 | 1996 TN <sub>8</sub> | 1996 10 13.58722   | 01 16 32.58 | +06 46 54.9 | 19.7 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 13.53475   | 01 41 17.99 | +16 38 31.1 | 17.0 V | 566 | 1996 TO <sub>8</sub> | * 1996 10 09.53965 | 01 11 01.56 | +11 09 37.3 | 19.5 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 16.59641   | 01 40 49.98 | +15 28 42.9 | 16.9 V | 566 | 1996 TO <sub>8</sub> | 1996 10 09.54823   | 01 11 01.19 | +11 09 33.6 | 19.2 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 16.60484   | 01 40 49.85 | +15 28 31.0 | 16.9 V | 566 | 1996 TO <sub>8</sub> | 1996 10 09.55661   | 01 11 00.77 | +11 09 30.1 | 19.2 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 16.61325   | 01 40 49.75 | +15 28 19.0 | 16.9 V | 566 | 1996 TO <sub>8</sub> | 1996 10 13.57246   | 01 08 00.76 | +10 43 55.5 | 19.8 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 18.36177   | 01 40 33.82 | +14 47 42.4 | 16.9 V | 566 | 1996 TO <sub>8</sub> | 1996 10 13.58091   | 01 08 00.37 | +10 43 53.2 | 20.3 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 18.37220   | 01 40 33.69 | +14 47 27.7 | 16.8 V | 566 | 1996 TO <sub>8</sub> | 1996 10 13.58937   | 01 07 59.99 | +10 43 50.1 | 19.9 V | 566 |
| 1996 TD <sub>8</sub> | 1996 10 18.38060   | 01 40 33.55 | +14 47 16.1 | 16.8 V | 566 | 1996 TP <sub>8</sub> | * 1996 10 09.53965 | 01 13 53.56 | +10 44 53.9 | 18.7 V | 566 |
| 1996 TG <sub>8</sub> | * 1996 10 08.41044 | 23 07 58.00 | −02 04 40.9 | 18.9 V | 566 | 1996 TP <sub>8</sub> | 1996 10 09.54823   | 01 13 53.13 | +10 44 53.1 | 18.6 V | 566 |
| 1996 TG <sub>8</sub> | 1996 10 08.41882   | 23 07 57.80 | −02 04 45.4 | 20.0 V | 566 | 1996 TP <sub>8</sub> | 1996 10 09.55661   | 01 13 52.65 | +10 44 52.3 | 19.3 V | 566 |
| 1996 TG <sub>8</sub> | 1996 10 08.42953   | 23 07 57.46 | −02 04 51.3 | 19.8 V | 566 | 1996 TP <sub>8</sub> | 1996 10 13.57246   | 01 10 20.05 | +10 37 58.9 | 19.2 V | 566 |
| 1996 TG <sub>8</sub> | 1996 10 13.37371   | 23 06 13.98 | −02 46 50.3 | 19.5 V | 566 | 1996 TP <sub>8</sub> | 1996 10 13.58091   | 01 10 19.60 | +10 37 58.4 | 19.4 V | 566 |
| 1996 TG <sub>8</sub> | 1996 10 13.38424   | 23 06 13.64 | −02 46 55.4 | 19.9 V | 566 | 1996 TP <sub>8</sub> | 1996 10 13.58937   | 01 10 19.12 | +10 37 57.1 | 19.3 V | 566 |
| 1996 TG <sub>8</sub> | 1996 10 13.39269   | 23 06 13.59 | −02 46 59.2 | 20.0 V | 566 | 1996 TQ <sub>8</sub> | * 1996 10 09.53965 | 01 13 55.30 | +11 36 19.5 | 20.3 V | 566 |
| 1996 TH <sub>8</sub> | * 1996 10 09.44559 | 23 58 08.63 | −03 10 54.0 | 18.7 V | 566 | 1996 TQ <sub>8</sub> | 1996 10 09.54823   | 01 13 54.75 | +11 36 08.5 | 20.4 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 09.45410   | 23 58 07.97 | −03 10 52.2 | 18.5 V | 566 | 1996 TQ <sub>8</sub> | 1996 10 09.55661   | 01 13 54.26 | +11 35 56.2 | 20.3 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 09.46251   | 23 58 07.43 | −03 10 51.0 | 18.4 V | 566 | 1996 TQ <sub>8</sub> | 1996 10 13.57246   | 01 10 10.00 | +09 59 00.0 | 19.3 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 13.39877   | 23 54 04.25 | −02 59 29.3 | 20.2 V | 566 | 1996 TQ <sub>8</sub> | 1996 10 13.58091   | 01 10 09.47 | +09 58 47.4 | 19.4 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 13.40719   | 23 54 03.78 | −02 59 27.5 | 19.5 V | 566 | 1996 TQ <sub>8</sub> | 1996 10 13.58937   | 01 10 09.00 | +09 58 34.9 | 19.6 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 13.41562   | 23 54 03.19 | −02 59 25.1 | 20.1 V | 566 | 1996 TR <sub>8</sub> | * 1996 10 09.55221 | 01 08 54.14 | +12 55 10.2 | 17.6 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 19.32947   | 23 48 32.96 | −02 39 35.3 | 19.5 V | 566 | 1996 TR <sub>8</sub> | 1996 10 09.56058   | 01 08 53.65 | +12 55 06.5 | 17.7 V | 566 |
| 1996 TH <sub>8</sub> | 1996 10 19.33803   | 23 48 32.48 | −02 39 33.4 | 19.1 V | 566 | 1996 TR <sub>8</sub> | 1996 10 09.56897   | 01 08 53.17 | +12 55 02.9 | 17.8 V | 566 |

|                      |                    |             |             |        |     |                       |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TR <sub>8</sub> | 1996 10 13.57439   | 01 05 06.12 | +12 25 34.5 | 18.9 V | 566 | 1996 TO <sub>9</sub>  | 1996 09 15.51150   | 00 53 11.01 | +01 43 26.0 | 18.7 V | 566 |
| 1996 TR <sub>8</sub> | 1996 10 13.58282   | 01 05 05.64 | +12 25 32.2 | 19.4 V | 566 | 1996 TO <sub>9</sub>  | 1996 09 15.51994   | 00 53 10.49 | +01 43 26.9 | 18.5 V | 566 |
| 1996 TR <sub>8</sub> | 1996 10 13.59140   | 01 05 05.04 | +12 25 28.2 | 20.0 V | 566 | 1996 TT <sub>9</sub>  | 1996 10 18.47215   | 01 35 20.21 | +14 26 32.9 | 18.5 V | 566 |
| 1996 TS <sub>8</sub> | * 1996 10 09.55417 | 01 09 14.69 | +14 27 19.2 | 18.5 V | 566 | 1996 TT <sub>9</sub>  | 1996 10 18.48215   | 01 35 19.69 | +14 26 31.6 | 18.7 V | 566 |
| 1996 TS <sub>8</sub> | 1996 10 09.56266   | 01 09 14.22 | +14 27 16.1 | 18.5 V | 566 | 1996 TT <sub>9</sub>  | 1996 10 18.49099   | 01 35 19.20 | +14 26 30.2 | 18.6 V | 566 |
| 1996 TS <sub>8</sub> | 1996 10 09.57103   | 01 09 13.72 | +14 27 13.4 | 18.3 V | 566 | 1996 TX <sub>9</sub>  | 1996 10 18.40333   | 00 54 00.60 | +09 01 33.0 | 18.3 V | 566 |
| 1996 TS <sub>8</sub> | 1996 10 13.59344   | 01 05 15.68 | +14 01 07.8 | 20.2 V | 566 | 1996 TX <sub>9</sub>  | 1996 10 18.41950   | 00 53 59.83 | +09 01 27.0 | 17.9 V | 566 |
| 1996 TS <sub>8</sub> | 1996 10 13.60181   | 01 05 15.13 | +14 01 05.1 | 18.6 V | 566 | 1996 TX <sub>9</sub>  | 1996 10 18.43015   | 00 53 59.35 | +09 01 22.8 | 17.9 V | 566 |
| 1996 TS <sub>8</sub> | 1996 10 13.61023   | 01 05 14.61 | +14 01 01.3 | 18.6 V | 566 | 1996 TG <sub>10</sub> | 1996 10 10.47729   | 00 42 52.58 | +09 06 37.0 | 18.4 V | 566 |
| 1996 TT <sub>8</sub> | * 1996 10 09.56489 | 02 04 44.83 | +09 49 00.6 | 18.8 V | 566 | 1996 TG <sub>10</sub> | 1996 10 10.48581   | 00 42 52.08 | +09 06 34.5 | 18.5 V | 566 |
| 1996 TT <sub>8</sub> | 1996 10 09.57328   | 02 04 44.44 | +09 48 58.6 | 18.7 V | 566 | 1996 TG <sub>10</sub> | 1996 10 10.49425   | 00 42 51.64 | +09 06 31.9 | 18.4 V | 566 |
| 1996 TT <sub>8</sub> | 1996 10 09.58382   | 02 04 43.92 | +09 48 55.9 | 18.8 V | 566 | 1996 TX <sub>10</sub> | 1996 10 10.50251   | 01 37 31.05 | +06 40 49.9 | 16.9 V | 566 |
| 1996 TT <sub>8</sub> | 1996 10 13.59754   | 02 01 31.90 | +09 31 42.2 | 19.3 V | 566 | 1996 TX <sub>10</sub> | 1996 10 10.51102   | 01 37 30.53 | +06 40 48.0 | 16.9 V | 566 |
| 1996 TT <sub>8</sub> | 1996 10 13.60593   | 02 01 31.43 | +09 31 39.6 | 19.2 V | 566 | 1996 TX <sub>10</sub> | 1996 10 10.58005   | 01 37 26.35 | +06 40 32.1 | 16.8 V | 566 |
| 1996 TT <sub>8</sub> | 1996 10 13.61431   | 02 01 31.07 | +09 31 37.6 | 19.4 V | 566 | 1996 TE <sub>11</sub> | 1996 10 18.49749   | 03 49 15.93 | -21 35 13.1 | 16.7 V | 566 |
| 1996 TU <sub>8</sub> | * 1996 10 09.56489 | 02 05 20.07 | +09 38 47.8 | 19.8 V | 566 | 1996 TE <sub>11</sub> | 1996 10 18.50814   | 03 49 16.52 | -21 35 40.8 | 16.7 V | 566 |
| 1996 TU <sub>8</sub> | 1996 10 09.57328   | 02 05 19.68 | +09 38 45.7 | 19.9 V | 566 | 1996 TE <sub>11</sub> | 1996 10 18.51671   | 03 49 16.99 | -21 36 03.1 | 16.7 V | 566 |
| 1996 TU <sub>8</sub> | 1996 10 09.58382   | 02 05 19.19 | +09 38 43.7 | 20.1 V | 566 | 1996 TG <sub>11</sub> | 1996 10 11.60275   | 01 40 39.15 | +13 27 55.1 | 17.7 V | 566 |
| 1996 TU <sub>8</sub> | 1996 10 13.59754   | 02 02 08.30 | +09 25 42.9 | 20.1 V | 566 | 1996 TG <sub>11</sub> | 1996 10 11.61114   | 01 40 38.69 | +13 27 48.5 | 17.6 V | 566 |
| 1996 TU <sub>8</sub> | 1996 10 13.60593   | 02 02 07.82 | +09 25 41.6 | 19.7 V | 566 | 1996 TG <sub>11</sub> | 1996 10 11.61953   | 01 40 38.22 | +13 27 41.8 | 17.7 V | 566 |
| 1996 TU <sub>8</sub> | 1996 10 13.61431   | 02 02 07.42 | +09 25 39.9 | 20.2 V | 566 | 1996 TH <sub>11</sub> | 1996 10 18.35127   | 01 34 05.49 | +11 07 34.9 | 18.1 V | 566 |
| 1996 TV <sub>8</sub> | * 1996 10 09.60051 | 01 50 58.90 | +17 53 02.5 | 18.4 V | 566 | 1996 TH <sub>11</sub> | 1996 10 18.35976   | 01 34 05.11 | +11 07 31.4 | 18.1 V | 566 |
| 1996 TV <sub>8</sub> | 1996 10 09.61114   | 01 50 58.26 | +17 52 59.4 | 18.4 V | 566 | 1996 TH <sub>11</sub> | 1996 10 18.37015   | 01 34 04.60 | +11 07 27.2 | 18.0 V | 566 |
| 1996 TV <sub>8</sub> | 1996 10 09.61953   | 01 50 57.78 | +17 52 56.7 | 18.6 V | 566 | 1996 TJ <sub>11</sub> | 1996 10 11.60275   | 01 39 28.64 | +12 06 46.5 | 18.0 V | 566 |
| 1996 TV <sub>8</sub> | 1996 10 13.48262   | 01 47 07.13 | +17 31 36.7 | 18.7 V | 566 | 1996 TJ <sub>11</sub> | 1996 10 11.61114   | 01 39 28.12 | +12 06 43.8 | 17.9 V | 566 |
| 1996 TV <sub>8</sub> | 1996 10 13.49123   | 01 47 06.56 | +17 31 33.6 | 19.0 V | 566 | 1996 TJ <sub>11</sub> | 1996 10 11.61953   | 01 39 27.63 | +12 06 41.2 | 17.9 V | 566 |
| 1996 TV <sub>8</sub> | 1996 10 13.49967   | 01 47 06.04 | +17 31 30.5 | 18.8 V | 566 | 1996 TL <sub>11</sub> | 1996 10 08.58524   | 02 02 27.45 | +11 10 44.2 | 18.4 V | 566 |
| 1996 TA <sub>9</sub> | * 1996 10 12.52778 | 01 48 15.21 | +11 04 44.4 | 18.9 V | 566 | 1996 TL <sub>11</sub> | 1996 10 08.59367   | 02 02 26.89 | +11 10 42.5 | 18.1 V | 566 |
| 1996 TA <sub>9</sub> | 1996 10 12.53836   | 01 48 14.59 | +11 05 04.1 | 19.2 V | 566 | 1996 TL <sub>11</sub> | 1996 10 08.60210   | 02 02 26.37 | +11 10 41.2 | 18.2 V | 566 |
| 1996 TA <sub>9</sub> | 1996 10 12.54681   | 01 48 14.09 | +11 05 18.0 | 19.6 V | 566 | 1996 TM <sub>11</sub> | 1996 10 09.58792   | 02 00 49.54 | +11 21 24.8 | 18.1 V | 566 |
| 1996 TD <sub>9</sub> | * 1996 10 12.54431 | 01 41 43.27 | +18 31 23.1 | 19.8 V | 566 | 1996 TM <sub>11</sub> | 1996 10 09.59630   | 02 00 49.21 | +11 21 20.3 | 18.1 V | 566 |
| 1996 TD <sub>9</sub> | 1996 10 12.55291   | 01 41 42.04 | +18 30 20.9 | 20.0 V | 566 | 1996 TM <sub>11</sub> | 1996 10 09.60472   | 02 00 48.86 | +11 21 15.6 | 18.0 V | 566 |
| 1996 TD <sub>9</sub> | 1996 10 12.56131   | 01 41 40.74 | +18 29 21.7 | 19.9 V | 566 | 1996 TP <sub>11</sub> | * 1996 10 11.60275 | 01 39 44.13 | +12 40 29.2 | 18.9 V | 566 |
| 1996 TE <sub>9</sub> | * 1996 10 13.36947 | 23 10 29.52 | -05 40 47.9 | 18.0 V | 566 | 1996 TP <sub>11</sub> | 1996 10 11.61114   | 01 39 43.74 | +12 40 25.2 | 18.8 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 13.37786   | 23 10 28.44 | -05 40 03.4 | 17.9 V | 566 | 1996 TP <sub>11</sub> | 1996 10 11.61953   | 01 39 43.37 | +12 40 21.0 | 18.7 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 13.38626   | 23 10 27.35 | -05 39 18.5 | 18.1 V | 566 | 1996 TP <sub>11</sub> | 1996 10 16.59445   | 01 36 04.00 | +11 58 44.8 | 18.7 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 14.36443   | 23 08 37.76 | -04 12 57.3 | 17.9 V | 566 | 1996 TP <sub>11</sub> | 1996 10 16.60284   | 01 36 03.61 | +11 58 40.7 | 18.7 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 14.37297   | 23 08 36.72 | -04 12 12.1 | 17.8 V | 566 | 1996 TP <sub>11</sub> | 1996 10 16.61124   | 01 36 03.21 | +11 58 36.2 | 18.8 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 14.46267   | 23 08 25.86 | -04 04 19.8 | 17.8 V | 566 | 1996 TQ <sub>11</sub> | * 1996 10 12.45478 | 01 11 28.58 | +06 49 03.8 | 19.3 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 18.25205   | 23 02 21.17 | +01 18 22.6 | 18.0 V | 566 | 1996 TQ <sub>11</sub> | 1996 10 12.46321   | 01 11 28.25 | +06 49 00.4 | 18.8 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 18.26060   | 23 02 20.35 | +01 19 04.7 | 17.9 V | 566 | 1996 TQ <sub>11</sub> | 1996 10 12.47162   | 01 11 27.90 | +06 48 56.3 | 19.2 V | 566 |
| 1996 TE <sub>9</sub> | 1996 10 18.26913   | 23 02 19.53 | +01 19 47.0 | 18.3 V | 566 | 1996 TQ <sub>11</sub> | 1996 10 16.59839   | 01 08 23.35 | +06 19 46.2 | 18.9 V | 566 |
| 1996 TJ <sub>9</sub> | 1996 10 18.46815   | 01 42 23.66 | +10 47 47.8 | 19.3 V | 566 | 1996 TQ <sub>11</sub> | 1996 10 16.60694   | 01 08 22.80 | +06 19 42.6 | 19.4 V | 566 |
| 1996 TJ <sub>9</sub> | 1996 10 18.47835   | 01 42 23.03 | +10 47 43.9 | 19.2 V | 566 | 1996 TQ <sub>11</sub> | 1996 10 16.61535   | 01 08 22.44 | +06 19 39.2 | 19.1 V | 566 |
| 1996 TJ <sub>9</sub> | 1996 10 18.48680   | 01 42 22.58 | +10 47 41.1 | 19.7 V | 566 | 1996 TR <sub>11</sub> | * 1996 10 14.36249 | 23 15 01.81 | -00 58 07.5 | 19.8 V | 566 |
| 1996 TM <sub>9</sub> | 1996 10 18.46815   | 01 42 13.26 | +11 22 24.6 | 17.9 V | 566 | 1996 TR <sub>11</sub> | 1996 10 14.37092   | 23 15 01.55 | -00 58 10.7 | 19.4 V | 566 |
| 1996 TM <sub>9</sub> | 1996 10 18.47835   | 01 42 12.56 | +11 22 21.1 | 18.0 V | 566 | 1996 TR <sub>11</sub> | 1996 10 14.46062   | 23 14 59.53 | -00 58 43.8 | 20.0 V | 566 |
| 1996 TM <sub>9</sub> | 1996 10 18.48680   | 01 42 12.02 | +11 22 18.9 | 18.0 V | 566 | 1996 TR <sub>11</sub> | 1996 10 16.31533   | 23 14 23.86 | -01 09 55.8 | 19.9 V | 566 |
| 1996 TN <sub>9</sub> | 1996 10 12.45478   | 01 10 22.54 | +06 59 19.6 | 19.6 V | 566 | 1996 TR <sub>11</sub> | 1996 10 16.32377   | 23 14 23.58 | -01 09 58.1 | 18.8 V | 566 |
| 1996 TN <sub>9</sub> | 1996 10 12.46321   | 01 10 22.09 | +06 59 18.8 | 19.6 V | 566 | 1996 TR <sub>11</sub> | 1996 10 16.33218   | 23 14 23.52 | -01 10 01.6 | 19.6 V | 566 |
| 1996 TN <sub>9</sub> | 1996 10 12.47162   | 01 10 21.53 | +06 59 18.0 | 19.6 V | 566 | 1996 TS <sub>11</sub> | 1996 10 11.53926   | 01 00 04.65 | +07 04 14.4 | 18.0 V | 566 |
| 1996 TO <sub>9</sub> | 1996 09 15.49905   | 00 53 11.77 | +01 43 24.6 | 18.4 V | 566 | 1996 TS <sub>11</sub> | 1996 10 11.54785   | 01 00 04.12 | +07 04 12.3 | 18.1 V | 566 |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TS <sub>11</sub> | 1996 10 11.55636   | 01 00 03.65 | +07 04 10.1 | 18.4 V | 566 | 1996 TV <sub>12</sub> | * 1996 10 12.38782 | 00 27 26.16 | +00 58 02.1 | 18.9 V | 566 |
| 1996 TD <sub>12</sub> | * 1996 10 08.43370 | 23 57 27.54 | -02 14 11.4 | 18.9 V | 566 | 1996 TV <sub>12</sub> | 1996 10 12.39622   | 00 27 25.78 | +00 57 58.3 | 19.6 V | 566 |
| 1996 TD <sub>12</sub> | 1996 10 08.44210   | 23 57 27.15 | -02 14 12.4 | 19.0 V | 566 | 1996 TV <sub>12</sub> | 1996 10 12.40463   | 00 27 25.35 | +00 57 54.3 | 19.0 V | 566 |
| 1996 TD <sub>12</sub> | 1996 10 08.45278   | 23 57 26.66 | -02 14 13.6 | 18.4 V | 566 | 1996 TV <sub>12</sub> | 1996 10 18.32594   | 00 23 10.98 | +00 13 26.0 | 19.0 V | 566 |
| 1996 TD <sub>12</sub> | 1996 10 17.35274   | 23 51 22.57 | -02 28 02.2 | 19.8 V | 566 | 1996 TV <sub>12</sub> | 1996 10 18.33459   | 00 23 10.68 | +00 13 22.2 | 19.0 V | 566 |
| 1996 TD <sub>12</sub> | 1996 10 17.37457   | 23 51 21.72 | -02 28 03.0 | 20.0 V | 566 | 1996 TV <sub>12</sub> | 1996 10 18.34304   | 00 23 10.25 | +00 13 18.4 | 19.3 V | 566 |
| 1996 TD <sub>12</sub> | 1996 10 17.39493   | 23 51 21.05 | -02 28 03.8 | 19.8 V | 566 | 1996 TW <sub>12</sub> | * 1996 10 12.38782 | 00 27 49.91 | +00 52 44.2 | 18.9 V | 566 |
| 1996 TE <sub>12</sub> | * 1996 10 11.52484 | 01 05 25.85 | +02 13 11.4 | 19.3 V | 566 | 1996 TW <sub>12</sub> | 1996 10 12.39622   | 00 27 49.43 | +00 52 44.1 | 19.0 V | 566 |
| 1996 TE <sub>12</sub> | 1996 10 11.53329   | 01 05 25.26 | +02 13 10.5 | 19.5 V | 566 | 1996 TW <sub>12</sub> | 1996 10 12.40463   | 00 27 48.84 | +00 52 44.9 | 18.7 V | 566 |
| 1996 TE <sub>12</sub> | 1996 10 11.54170   | 01 05 24.69 | +02 13 10.3 | 19.5 V | 566 | 1996 TW <sub>12</sub> | 1996 10 18.32594   | 00 22 00.87 | +00 59 25.0 | 19.3 V | 566 |
| 1996 TE <sub>12</sub> | 1996 10 17.57573   | 00 59 06.52 | +02 09 34.9 | 18.9 V | 566 | 1996 TW <sub>12</sub> | 1996 10 18.33459   | 00 22 00.42 | +00 59 26.1 | 18.9 V | 566 |
| 1996 TE <sub>12</sub> | 1996 10 17.58416   | 00 59 05.94 | +02 09 34.8 | 19.1 V | 566 | 1996 TW <sub>12</sub> | 1996 10 18.34304   | 00 21 59.90 | +00 59 26.3 | 19.0 V | 566 |
| 1996 TE <sub>12</sub> | 1996 10 17.59877   | 00 59 05.07 | +02 09 34.5 | 19.1 V | 566 | 1996 TX <sub>12</sub> | * 1996 10 12.44065 | 01 10 52.42 | +05 06 45.1 | 19.1 V | 566 |
| 1996 TP <sub>12</sub> | * 1996 10 11.37873 | 23 39 09.04 | -03 35 17.2 | 17.9 V | 566 | 1996 TX <sub>12</sub> | 1996 10 12.44906   | 01 10 51.90 | +05 06 40.9 | 19.1 V | 566 |
| 1996 TP <sub>12</sub> | 1996 10 11.38716   | 23 39 08.38 | -03 35 14.8 | 17.9 V | 566 | 1996 TX <sub>12</sub> | 1996 10 12.45746   | 01 10 51.41 | +05 06 36.5 | 19.3 V | 566 |
| 1996 TP <sub>12</sub> | 1996 10 11.39555   | 23 39 07.74 | -03 35 12.4 | 18.0 V | 566 | 1996 TX <sub>12</sub> | 1996 10 18.38894   | 01 05 18.57 | +04 16 16.2 | 20.0 V | 566 |
| 1996 TP <sub>12</sub> | 1996 10 18.27130   | 23 31 01.32 | -02 58 47.3 | 18.2 V | 566 | 1996 TX <sub>12</sub> | 1996 10 18.39732   | 01 05 18.03 | +04 16 12.4 | 19.7 V | 566 |
| 1996 TP <sub>12</sub> | 1996 10 18.27967   | 23 31 00.78 | -02 58 44.5 | 18.5 V | 566 | 1996 TX <sub>12</sub> | 1996 10 18.40571   | 01 05 17.58 | +04 16 07.6 | 19.8 V | 566 |
| 1996 TP <sub>12</sub> | 1996 10 18.28806   | 23 31 00.22 | -02 58 41.7 | 18.5 V | 566 | 1996 TY <sub>12</sub> | * 1996 10 12.45478 | 01 07 13.43 | +06 36 56.1 | 18.5 V | 566 |
| 1996 TQ <sub>12</sub> | * 1996 10 11.40598 | 23 31 13.25 | -00 06 28.9 | 17.8 V | 566 | 1996 TY <sub>12</sub> | 1996 10 12.46321   | 01 07 12.96 | +06 36 51.6 | 18.5 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 11.41435   | 23 31 13.09 | -00 06 44.2 | 17.7 V | 566 | 1996 TY <sub>12</sub> | 1996 10 12.47162   | 01 07 12.47 | +06 36 47.4 | 18.5 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 11.42291   | 23 31 12.92 | -00 07 00.0 | 17.9 V | 566 | 1996 TY <sub>12</sub> | 1996 10 18.39100   | 01 01 47.54 | +05 47 57.7 | 20.1 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 18.27130   | 23 29 51.57 | -03 23 37.6 | 17.5 V | 566 | 1996 TY <sub>12</sub> | 1996 10 18.39939   | 01 01 47.13 | +05 47 53.4 | 19.8 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 18.27967   | 23 29 51.54 | -03 23 50.9 | 17.7 V | 566 | 1996 TY <sub>12</sub> | 1996 10 18.40776   | 01 01 46.66 | +05 47 49.2 | 19.4 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 18.28806   | 23 29 51.44 | -03 24 04.5 | 17.5 V | 566 | 1996 TZ <sub>12</sub> | * 1996 10 12.45478 | 01 07 18.89 | +06 45 26.8 | 18.7 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 19.31619   | 23 29 47.53 | -03 51 10.1 | 18.0 V | 566 | 1996 TZ <sub>12</sub> | 1996 10 12.46321   | 01 07 18.44 | +06 45 22.0 | 18.7 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 19.32547   | 23 29 47.48 | -03 51 24.9 | 17.9 V | 566 | 1996 TZ <sub>12</sub> | 1996 10 12.47162   | 01 07 17.98 | +06 45 16.6 | 18.9 V | 566 |
| 1996 TQ <sub>12</sub> | 1996 10 19.33389   | 23 29 47.42 | -03 51 38.3 | 17.9 V | 566 | 1996 TZ <sub>12</sub> | 1996 10 18.39100   | 01 02 18.07 | +05 48 02.3 | 19.5 V | 566 |
| 1996 TR <sub>12</sub> | * 1996 10 11.58391 | 01 40 47.76 | +10 12 36.4 | 19.4 V | 566 | 1996 TZ <sub>12</sub> | 1996 10 18.39939   | 01 02 17.66 | +05 47 57.7 | 19.2 V | 566 |
| 1996 TR <sub>12</sub> | 1996 10 11.59233   | 01 40 47.17 | +10 12 33.6 | 20.0 V | 566 | 1996 TZ <sub>12</sub> | 1996 10 18.40776   | 01 02 17.25 | +05 47 52.8 | 19.2 V | 566 |
| 1996 TR <sub>12</sub> | 1996 10 11.60072   | 01 40 46.68 | +10 12 31.0 | 19.2 V | 566 | 1996 TA <sub>13</sub> | * 1996 10 12.45478 | 01 07 31.11 | +06 36 06.3 | 18.4 V | 566 |
| 1996 TR <sub>12</sub> | 1996 10 18.35127   | 01 33 54.82 | +09 42 46.5 | 19.1 V | 566 | 1996 TA <sub>13</sub> | 1996 10 12.46321   | 01 07 30.64 | +06 36 01.4 | 18.3 V | 566 |
| 1996 TR <sub>12</sub> | 1996 10 18.35976   | 01 33 54.30 | +09 42 44.0 | 19.2 V | 566 | 1996 TA <sub>13</sub> | 1996 10 12.47162   | 01 07 30.18 | +06 35 56.6 | 18.7 V | 566 |
| 1996 TR <sub>12</sub> | 1996 10 18.37015   | 01 33 53.72 | +09 42 41.6 | 19.2 V | 566 | 1996 TA <sub>13</sub> | 1996 10 18.39100   | 01 02 21.96 | +05 40 37.9 | 19.6 V | 566 |
| 1996 TS <sub>12</sub> | * 1996 10 11.58391 | 01 42 04.32 | +10 08 48.4 | 18.9 V | 566 | 1996 TA <sub>13</sub> | 1996 10 18.39939   | 01 02 21.53 | +05 40 33.5 | 19.4 V | 566 |
| 1996 TS <sub>12</sub> | 1996 10 11.59233   | 01 42 03.73 | +10 08 48.4 | 18.7 V | 566 | 1996 TA <sub>13</sub> | 1996 10 18.40776   | 01 02 21.10 | +05 40 28.7 | 19.2 V | 566 |
| 1996 TS <sub>12</sub> | 1996 10 11.60072   | 01 42 03.15 | +10 08 48.0 | 18.9 V | 566 | 1996 TB <sub>13</sub> | * 1996 10 12.45944 | 01 07 59.68 | +07 14 32.0 | 18.4 V | 566 |
| 1996 TS <sub>12</sub> | 1996 10 18.35127   | 01 34 34.32 | +10 06 54.8 | 18.5 V | 566 | 1996 TB <sub>13</sub> | 1996 10 12.46785   | 01 07 59.01 | +07 14 35.0 | 18.3 V | 566 |
| 1996 TS <sub>12</sub> | 1996 10 18.35976   | 01 34 33.77 | +10 06 54.5 | 18.8 V | 566 | 1996 TB <sub>13</sub> | 1996 10 12.47771   | 01 07 58.29 | +07 14 38.7 | 18.5 V | 566 |
| 1996 TS <sub>12</sub> | 1996 10 18.37015   | 01 34 33.09 | +10 06 54.4 | 18.5 V | 566 | 1996 TB <sub>13</sub> | 1996 10 18.40142   | 01 00 37.59 | +07 50 07.6 | 19.0 V | 566 |
| 1996 TT <sub>12</sub> | * 1996 10 11.58998 | 01 40 43.50 | +10 41 24.9 | 19.2 V | 566 | 1996 TB <sub>13</sub> | 1996 10 18.41243   | 01 00 36.70 | +07 50 11.7 | 19.1 V | 566 |
| 1996 TT <sub>12</sub> | 1996 10 11.59845   | 01 40 42.99 | +10 41 23.6 | 19.0 V | 566 | 1996 TB <sub>13</sub> | 1996 10 18.42153   | 01 00 36.05 | +07 50 14.2 | 19.6 V | 566 |
| 1996 TT <sub>12</sub> | 1996 10 11.60684   | 01 40 42.46 | +10 41 22.3 | 19.0 V | 566 | 1996 UA               | 1996 09 14.52466   | 01 25 07.50 | +05 43 52.2 | 18.1   | 566 |
| 1996 TT <sub>12</sub> | 1996 10 18.35127   | 01 33 42.25 | +10 22 17.7 | 18.5 V | 566 | 1996 UA               | 1996 09 14.53499   | 01 25 07.07 | +05 43 52.5 | 17.7   | 566 |
| 1996 TT <sub>12</sub> | 1996 10 18.35976   | 01 33 41.70 | +10 22 16.2 | 18.5 V | 566 | 1996 UA               | 1996 09 14.54340   | 01 25 06.68 | +05 43 53.5 | 18.0   | 566 |
| 1996 TT <sub>12</sub> | 1996 10 18.37015   | 01 33 41.04 | +10 22 14.6 | 18.2 V | 566 | 1996 UL               | 1996 10 18.40142   | 00 57 44.91 | +06 39 02.3 | 18.0 V | 566 |
| 1996 TU <sub>12</sub> | * 1996 10 11.58998 | 01 41 47.16 | +11 00 17.6 | 19.5 V | 566 | 1996 UL               | 1996 10 18.41243   | 00 57 44.11 | +06 39 06.6 | 18.0 V | 566 |
| 1996 TU <sub>12</sub> | 1996 10 11.59845   | 01 41 46.76 | +11 00 12.2 | 19.1 V | 566 | 1996 UL               | 1996 10 18.42153   | 00 57 43.45 | +06 39 10.4 | 18.1 V | 566 |
| 1996 TU <sub>12</sub> | 1996 10 11.60684   | 01 41 46.32 | +11 00 06.7 | 19.1 V | 566 | 4072 P-L              | 1996 10 18.40333   | 00 57 56.81 | +08 52 11.4 | 18.6 V | 566 |
| 1996 TU <sub>12</sub> | 1996 10 18.35127   | 01 35 41.45 | +09 49 01.9 | 18.6 V | 566 | 4072 P-L              | 1996 10 18.41950   | 00 57 55.92 | +08 52 04.5 | 18.8 V | 566 |
| 1996 TU <sub>12</sub> | 1996 10 18.35976   | 01 35 40.96 | +09 48 56.7 | 18.6 V | 566 | 4072 P-L              | 1996 10 18.43015   | 00 57 55.29 | +08 52 00.2 | 18.8 V | 566 |
| 1996 TU <sub>12</sub> | 1996 10 18.37015   | 01 35 40.44 | +09 48 50.0 | 19.0 V | 566 | 5016 P-L              | 1996 10 11.49980   | 01 57 43.92 | +13 52 53.9 | 19.0 V | 566 |

|          |                  |             |             |        |     |
|----------|------------------|-------------|-------------|--------|-----|
| 5016 P-L | 1996 10 11.51037 | 01 57 43.21 | +13 52 52.1 | 19.5 V | 566 |
| 5016 P-L | 1996 10 11.51880 | 01 57 42.67 | +13 52 50.6 | 19.4 V | 566 |
| 6531 P-L | 1996 10 18.57711 | 03 07 04.03 | +20 56 31.2 | 17.4 V | 566 |
| 6531 P-L | 1996 10 18.58742 | 03 07 03.48 | +20 56 31.5 | 17.3 V | 566 |
| 6531 P-L | 1996 10 18.59589 | 03 07 03.01 | +20 56 31.6 | 17.5 V | 566 |
| 1166 T-2 | 1996 10 09.50404 | 00 30 50.57 | +07 04 45.6 | 18.3 V | 566 |
| 1166 T-2 | 1996 10 09.51244 | 00 30 50.04 | +07 04 43.9 | 18.4 V | 566 |
| 1166 T-2 | 1996 10 09.52086 | 00 30 49.55 | +07 04 42.3 | 18.4 V | 566 |
| 1166 T-2 | 1996 10 13.46973 | 00 27 01.13 | +06 52 07.4 | 19.5 V | 566 |
| 1166 T-2 | 1996 10 13.47859 | 00 27 00.62 | +06 52 05.6 | 18.9 V | 566 |
| 1166 T-2 | 1996 10 13.48708 | 00 27 00.14 | +06 52 04.2 | 19.5 V | 566 |
| 2908 T-2 | 1996 10 11.58391 | 01 45 00.33 | +09 13 20.7 | 18.0 V | 566 |
| 2908 T-2 | 1996 10 11.59233 | 01 44 59.88 | +09 13 17.0 | 18.0 V | 566 |
| 2908 T-2 | 1996 10 11.60072 | 01 44 59.45 | +09 13 13.3 | 18.0 V | 566 |
| 3290 T-2 | 1996 10 13.57039 | 01 19 48.64 | +06 35 33.9 | 18.4 V | 566 |
| 3290 T-2 | 1996 10 13.57883 | 01 19 48.19 | +06 35 32.3 | 18.4 V | 566 |
| 3290 T-2 | 1996 10 13.58722 | 01 19 47.75 | +06 35 31.2 | 18.6 V | 566 |
| 4270 T-2 | 1996 10 17.57778 | 00 56 01.27 | +03 20 02.4 | 19.1 V | 566 |
| 4270 T-2 | 1996 10 17.59486 | 00 56 00.27 | +03 19 57.8 | 19.0 V | 566 |
| 4270 T-2 | 1996 10 17.60502 | 00 55 59.76 | +03 19 55.1 | 19.2 V | 566 |
| 4272 T-2 | 1996 10 16.62140 | 02 14 11.97 | +08 28 26.8 | 17.9 V | 566 |
| 4272 T-2 | 1996 10 16.63001 | 02 14 11.44 | +08 28 23.7 | 18.1 V | 566 |
| 4272 T-2 | 1996 10 16.63840 | 02 14 10.95 | +08 28 21.1 | 18.3 V | 566 |
| 3134 T-3 | 1996 10 18.55216 | 03 14 40.61 | +14 27 11.3 | 17.3 V | 566 |
| 3134 T-3 | 1996 10 18.56056 | 03 14 40.16 | +14 27 08.1 | 17.3 V | 566 |
| 3134 T-3 | 1996 10 18.56896 | 03 14 39.70 | +14 27 04.8 | 17.3 V | 566 |
| 3474 T-3 | 1996 10 11.62769 | 02 28 30.16 | +12 14 22.7 | 19.2 V | 566 |
| 3474 T-3 | 1996 10 11.63608 | 02 28 29.69 | +12 14 20.9 | 19.0 V | 566 |
| 3474 T-3 | 1996 10 11.64447 | 02 28 29.25 | +12 14 18.5 | 19.7 V | 566 |
| (2096)   | 1996 10 19.24564 | 20 17 11.34 | -19 05 37.4 | 18.0 V | 566 |
| (2096)   | 1996 10 19.25413 | 20 17 12.11 | -19 05 34.7 | 18.0 V | 566 |
| (2096)   | 1996 10 19.26255 | 20 17 12.93 | -19 05 31.9 | 17.9 V | 566 |
| (2925)   | 1996 10 09.49980 | 00 32 17.21 | +05 09 50.9 | 17.2 V | 566 |
| (2925)   | 1996 10 09.51015 | 00 32 16.62 | +05 09 46.6 | 17.2 V | 566 |
| (2925)   | 1996 10 09.51858 | 00 32 16.13 | +05 09 43.0 | 17.2 V | 566 |
| (4111)   | 1996 10 09.47279 | 23 48 12.85 | +02 55 29.3 | 18.8 V | 566 |
| (4111)   | 1996 10 09.48118 | 23 48 12.45 | +02 55 25.8 | 18.9 V | 566 |
| (4111)   | 1996 10 09.48959 | 23 48 12.10 | +02 55 22.9 | 19.3 V | 566 |
| (4404)   | 1996 10 19.24768 | 20 16 22.31 | -18 14 19.1 | 19.6 V | 566 |
| (4404)   | 1996 10 19.25620 | 20 16 22.70 | -18 14 21.8 | 19.3 V | 566 |
| (4404)   | 1996 10 19.26468 | 20 16 23.17 | -18 14 23.9 | 19.0 V | 566 |
| (4733)   | 1996 10 09.56489 | 02 01 22.68 | +09 41 47.4 | 16.7 V | 566 |
| (4733)   | 1996 10 09.57328 | 02 01 22.16 | +09 41 45.6 | 16.9 V | 566 |
| (4733)   | 1996 10 09.58382 | 02 01 21.50 | +09 41 43.3 | 17.0 V | 566 |
| (5408)   | 1996 10 11.45367 | 00 15 29.82 | +03 48 11.8 | 17.6 V | 566 |
| (5408)   | 1996 10 11.46429 | 00 15 29.24 | +03 48 07.4 | 17.6 V | 566 |
| (5408)   | 1996 10 11.47425 | 00 15 28.71 | +03 48 02.7 | 17.8 V | 566 |
| (5753)   | 1996 10 18.22649 | 20 25 53.67 | -18 07 33.2 | 17.8 V | 566 |
| (5753)   | 1996 10 18.23494 | 20 25 54.28 | -18 07 29.2 | 17.1 V | 566 |
| (5753)   | 1996 10 18.24343 | 20 25 54.91 | -18 07 25.4 | 17.1 V | 566 |

**568 Mauna Kea Observatory**

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Measurer O. R. Hainaut

3.60-m  $f/3.77$  reflector + CCD

|                      |                  |             |             |       |
|----------------------|------------------|-------------|-------------|-------|
| 1996 SP <sub>2</sub> | 1996 09 16.36701 | 22 53 37.51 | -02 19 38.0 | t 568 |
| 1996 SP <sub>2</sub> | 1996 09 16.38333 | 22 53 36.73 | -02 19 42.5 | t 568 |
| 1996 SP <sub>2</sub> | 1996 09 16.39995 | 22 53 35.92 | -02 19 47.3 | t 568 |
| 1996 SP <sub>2</sub> | 1996 09 16.41909 | 22 53 35.05 | -02 19 52.3 | t 568 |
| 1996 SP <sub>2</sub> | 1996 09 16.43407 | 22 53 34.24 | -02 19 57.5 | t 568 |
| 1996 SP <sub>2</sub> | 1996 09 16.45450 | 22 53 33.25 | -02 20 03.4 | t 568 |

**573 Eldagsen**

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0.20-m  $f/3.5$  FFC + CCD

GSC

|        |                  |             |             |     |
|--------|------------------|-------------|-------------|-----|
| (172)  | 1996 10 06.77215 | 00 14 20.92 | +14 22 22.4 | 573 |
| (172)  | 1996 10 06.77632 | 00 14 20.66 | +14 22 22.0 | 573 |
| (172)  | 1996 10 11.75012 | 00 09 23.55 | +14 08 45.4 | 573 |
| (172)  | 1996 10 11.75428 | 00 09 23.32 | +14 08 44.8 | 573 |
| (241)  | 1996 10 13.78527 | 00 52 02.98 | +14 26 23.2 | 573 |
| (241)  | 1996 10 13.78943 | 00 52 02.80 | +14 26 21.7 | 573 |
| (241)  | 1996 10 14.77769 | 00 51 17.93 | +14 20 41.7 | 573 |
| (241)  | 1996 10 14.78185 | 00 51 17.73 | +14 20 40.2 | 573 |
| (382)  | 1996 10 06.79205 | 01 21 57.38 | +18 52 08.5 | 573 |
| (382)  | 1996 10 06.79622 | 01 21 57.19 | +18 52 07.6 | 573 |
| (382)  | 1996 10 11.77380 | 01 18 06.00 | +18 34 35.4 | 573 |
| (382)  | 1996 10 11.77796 | 01 18 05.81 | +18 34 34.9 | 573 |
| (493)  | 1996 10 13.79429 | 00 58 55.55 | +16 37 32.4 | 573 |
| (493)  | 1996 10 13.80263 | 00 58 55.07 | +16 37 32.7 | 573 |
| (493)  | 1996 10 14.78730 | 00 57 57.10 | +16 37 36.6 | 573 |
| (493)  | 1996 10 14.79564 | 00 57 56.60 | +16 37 37.0 | 573 |
| (602)  | 1996 10 13.82228 | 01 38 02.95 | +33 20 54.9 | 573 |
| (602)  | 1996 10 13.82645 | 01 38 02.70 | +33 20 55.4 | 573 |
| (602)  | 1996 10 14.80357 | 01 37 03.37 | +33 22 17.5 | 573 |
| (602)  | 1996 10 14.80773 | 01 37 03.12 | +33 22 17.9 | 573 |
| (1246) | 1996 10 13.76824 | 00 11 11.39 | +36 51 45.7 | 573 |
| (1246) | 1996 10 13.77241 | 00 11 11.19 | +36 51 43.5 | 573 |
| (1246) | 1996 10 14.76095 | 00 10 28.80 | +36 43 47.2 | 573 |
| (1246) | 1996 10 14.76512 | 00 10 28.63 | +36 43 45.4 | 573 |
| (2866) | 1996 10 06.80058 | 01 42 53.37 | +24 09 01.1 | 573 |
| (2866) | 1996 10 06.80475 | 01 42 53.16 | +24 09 02.0 | 573 |
| (2866) | 1996 10 13.81292 | 01 36 39.56 | +23 54 36.0 | 573 |
| (2866) | 1996 10 13.81708 | 01 36 39.38 | +23 54 35.5 | 573 |
| (3560) | 1996 10 06.75589 | 01 00 04.90 | +19 09 54.0 | 573 |
| (3560) | 1996 10 06.76006 | 01 00 04.65 | +19 09 53.4 | 573 |
| (3560) | 1996 10 11.76059 | 00 55 41.53 | +18 56 37.3 | 573 |
| (3560) | 1996 10 11.76892 | 00 55 41.10 | +18 56 35.1 | 573 |
| (5433) | 1996 10 06.82545 | 01 57 26.74 | +25 47 27.8 | 573 |
| (5433) | 1996 10 06.82962 | 01 57 26.61 | +25 47 27.0 | 573 |

(5433) 1996 10 11.80174 01 53 48.50 +25 31 20.6 573  
 (5433) 1996 10 11.80590 01 53 48.39 +25 31 19.3 573

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0.5-m reflector + CCD

GSC

|                      |                    |             |             |            |
|----------------------|--------------------|-------------|-------------|------------|
| 1996 PW              | 1996 10 02.82465   | 22 20 11.63 | -26 12 12.9 | 587        |
| 1996 PW              | 1996 10 02.83854   | 22 20 11.92 | -26 12 20.5 | 587        |
| 1996 PW              | 1996 10 02.84358   | 22 20 11.85 | -26 12 21.9 | 587        |
| 1996 QE              | 1996 10 04.88877   | 23 42 43.13 | -05 22 41.7 | 587        |
| 1996 QE              | 1996 10 04.89224   | 23 42 43.10 | -05 22 44.5 | 587        |
| 1996 QE              | 1996 10 04.89571   | 23 42 42.93 | -05 22 47.2 | 587        |
| 1996 QE              | 1996 10 04.90462   | 23 42 42.62 | -05 22 54.0 | 587        |
| 1996 RL              | 1996 10 02.90526   | 00 43 52.79 | +07 32 28.1 | 587        |
| 1996 RL              | 1996 10 02.91840   | 00 43 52.12 | +07 32 21.5 | 587        |
| 1996 RM              | 1996 10 02.89392   | 00 39 27.02 | +13 01 56.8 | 587        |
| 1996 RM              | 1996 10 02.90958   | 00 39 26.06 | +13 01 58.1 | 17.3 V 587 |
| 1996 RN              | 1996 10 02.90167   | 00 38 32.43 | +09 32 37.0 | 587        |
| 1996 RN              | 1996 10 02.93275   | 00 38 30.44 | +09 32 31.9 | 16.8 V 587 |
| 1996 RG <sub>3</sub> | 1996 10 02.85750   | 22 22 38.78 | -13 45 15.4 | 587        |
| 1996 RG <sub>3</sub> | 1996 10 02.86053   | 22 22 38.27 | -13 45 20.9 | 18.5 V 587 |
| 1996 RG <sub>3</sub> | 1996 10 02.86493   | 22 22 37.81 | -13 45 24.9 | 587        |
| 1996 TP              | * 1996 10 02.87280 | 22 24 22.06 | -13 17 55.4 | 17.0 V 587 |
| 1996 TP              | 1996 10 02.88657   | 22 24 21.52 | -13 17 53.1 | 587        |
| 1996 TP              | 1996 10 02.92476   | 22 24 20.04 | -13 17 47.2 | 587        |
| 1996 TP              | 1996 10 04.82484   | 22 23 11.57 | -13 12 22.7 | 587        |
| 1996 TP              | 1996 10 04.84407   | 22 23 10.89 | -13 12 20.6 | 587        |
| 1996 TP              | 1996 10 18.77987   | 22 17 45.55 | -12 19 31.0 | 587        |
| 1996 TP              | 1996 10 18.83872   | 22 17 44.83 | -12 19 13.9 | 587        |
| 1996 TE <sub>9</sub> | 1996 10 18.88409   | 23 01 27.54 | +02 09 51.5 | 587        |
| 1996 TE <sub>9</sub> | 1996 10 18.88687   | 23 01 27.26 | +02 10 05.7 | 587        |
| 1996 UQ              | * 1996 10 18.86956 | 00 23 53.74 | +08 38 45.2 | 17.5 V 587 |
| 1996 UQ              | 1996 10 18.94331   | 00 23 49.59 | +08 38 42.4 | 587        |
| 1996 UQ              | 1996 10 19.95365   | 00 22 57.04 | +08 38 36.5 | 587        |
| 1996 UQ              | 1996 10 19.96292   | 00 22 56.55 | +08 38 36.2 | 587        |
| (7152)               | 1996 10 02.87280   | 22 24 27.39 | -13 25 26.7 | 587        |
| (7152)               | 1996 10 02.88657   | 22 24 27.08 | -13 25 27.4 | 587        |
| (7152)               | 1996 10 02.92476   | 22 24 26.39 | -13 25 31.8 | 587        |

**589 Santa Lucia Stroncone**

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[vagnozzi@freenet.hut.fi]

Observers A. Vagnozzi, G. Bernabei, V. Risoldi, E. Gregori, F. Lombardi

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

GSC

|         |                  |             |             |            |
|---------|------------------|-------------|-------------|------------|
| 1994 EF | 1996 10 02.76863 | 21 41 10.62 | -02 35 01.7 | 18.6 V 589 |
| 1994 EF | 1996 10 02.77856 | 21 41 10.37 | -02 35 03.8 | 589        |
| 1994 EF | 1996 10 02.78543 | 21 41 10.29 | -02 35 05.3 | 589        |
| 1994 EF | 1996 10 02.79229 | 21 41 10.08 | -02 35 04.7 | 589        |
| 1994 FN | 1996 09 30.86499 | 23 25 32.20 | -07 44 52.6 | 17.0 V 589 |

|                       |                    |             |             |              |
|-----------------------|--------------------|-------------|-------------|--------------|
| 1994 FN               | 1996 09 30.87158   | 23 25 31.90 | -07 44 54.1 | 589          |
| 1994 FN               | 1996 09 30.88485   | 23 25 31.32 | -07 44 57.1 | 589          |
| 1994 FN               | 1996 10 01.80720   | 23 24 52.97 | -07 48 02.5 | 17.2 V 589   |
| 1994 FN               | 1996 10 01.81488   | 23 24 52.70 | -07 48 03.7 | 589          |
| 1994 FN               | 1996 10 01.82142   | 23 24 52.46 | -07 48 05.8 | 589          |
| 1994 FN               | 1996 10 02.80241   | 23 24 12.42 | -07 51 16.8 | 17.6 V 589   |
| 1994 FN               | 1996 10 02.81803   | 23 24 11.75 | -07 51 19.5 | 589          |
| 1994 FN               | 1996 10 09.85407   | 23 19 49.42 | -08 10 42.0 | 17.9 V 589   |
| 1994 FN               | 1996 10 09.86334   | 23 19 49.14 | -08 10 44.2 | 589          |
| 1994 FN               | 1996 10 09.87290   | 23 19 48.81 | -08 10 45.2 | 589          |
| 1995 SK <sub>5</sub>  | 1996 10 12.86040   | 03 27 32.80 | +35 20 36.4 | 18.0 V 589   |
| 1995 SK <sub>5</sub>  | 1996 10 12.88024   | 03 27 32.00 | +35 20 37.8 | 589          |
| 1995 SK <sub>5</sub>  | 1996 10 12.89108   | 03 27 31.69 | +35 20 38.9 | 589          |
| 1995 SK <sub>5</sub>  | 1996 10 12.90059   | 03 27 31.28 | +35 20 39.9 | 589          |
| 1996 PF <sub>1</sub>  | 1996 09 30.75957   | 20 57 30.37 | -20 45 04.8 | 19.2 V 589   |
| 1996 PF <sub>1</sub>  | 1996 09 30.78323   | 20 57 30.43 | -20 45 00.9 | 589          |
| 1996 PF <sub>1</sub>  | 1996 09 30.81412   | 20 57 30.57 | -20 44 57.0 | 589          |
| 1996 PF <sub>1</sub>  | 1996 10 09.81652   | 20 59 02.21 | -20 18 40.1 | 19.3 V 589   |
| 1996 PF <sub>1</sub>  | 1996 10 09.82733   | 20 59 02.24 | -20 18 38.6 | 589          |
| 1996 PF <sub>1</sub>  | 1996 10 09.83589   | 20 59 02.48 | -20 18 36.5 | 589          |
| 1996 RU <sub>5</sub>  | 1996 09 30.93422   | 23 26 05.32 | -07 48 19.4 | 18.3 V 589   |
| 1996 RU <sub>5</sub>  | 1996 09 30.94141   | 23 26 05.05 | -07 48 19.6 | 589          |
| 1996 RU <sub>5</sub>  | 1996 10 09.88338   | 23 21 55.07 | -08 06 55.0 | 19.0 V 589   |
| 1996 RU <sub>5</sub>  | 1996 10 09.89395   | 23 21 54.87 | -08 06 57.7 | 589          |
| 1996 SD <sub>7</sub>  | 1996 10 14.82890   | 22 54 42.39 | +05 38 33.9 | 16.8 V 589   |
| 1996 SD <sub>7</sub>  | 1996 10 14.83805   | 22 54 42.31 | +05 38 29.4 | 589          |
| 1996 SD <sub>7</sub>  | 1996 10 14.84488   | 22 54 42.07 | +05 38 26.5 | 589          |
| 1996 SG <sub>7</sub>  | * 1996 09 30.86499 | 23 25 11.04 | -07 45 09.7 | 19.0 V 589   |
| 1996 SG <sub>7</sub>  | 1996 09 30.87158   | 23 25 10.78 | -07 45 11.8 | 589          |
| 1996 SG <sub>7</sub>  | 1996 09 30.88485   | 23 25 10.23 | -07 45 14.4 | 589          |
| 1996 SG <sub>7</sub>  | 1996 10 01.80720   | 23 24 35.73 | -07 48 08.1 | 589          |
| 1996 SG <sub>7</sub>  | 1996 10 01.81488   | 23 24 35.47 | -07 48 11.2 | 589          |
| 1996 SG <sub>7</sub>  | 1996 10 01.82142   | 23 24 35.24 | -07 48 11.2 | 589          |
| 1996 SG <sub>7</sub>  | 1996 10 02.80241   | 23 23 59.26 | -07 51 10.2 | 19.2 V 589   |
| 1996 SG <sub>7</sub>  | 1996 10 02.81803   | 23 23 58.74 | -07 51 13.2 | 589          |
| 1996 SG <sub>7</sub>  | 1996 10 09.86334   | 23 20 07.96 | -08 08 50.5 | 19.2 V 589   |
| 1996 SG <sub>7</sub>  | 1996 10 09.87290   | 23 20 07.65 | -08 08 52.7 | 589          |
| 1996 TN <sub>12</sub> | * 1996 10 12.91477 | 02 03 25.50 | +14 03 25.4 | 18.1 V 589   |
| 1996 TN <sub>12</sub> | 1996 10 12.92235   | 02 03 25.03 | +14 03 23.3 | 589          |
| 1996 TN <sub>12</sub> | 1996 10 12.93876   | 02 03 24.12 | +14 03 17.6 | 589          |
| 1996 TN <sub>12</sub> | 1996 10 12.95213   | 02 03 23.38 | +14 03 13.2 | 589          |
| 1996 TN <sub>12</sub> | 1996 10 18.81420   | 01 57 57.07 | +13 31 04.5 | 17.5 V r 589 |
| 1996 TN <sub>12</sub> | 1996 10 18.82453   | 01 57 56.45 | +13 31 00.8 | r 589        |
| 1996 TN <sub>12</sub> | 1996 10 18.83831   | 01 57 55.70 | +13 30 56.0 | r 589        |
| 1996 TN <sub>12</sub> | 1996 10 18.85859   | 01 57 54.44 | +13 30 49.2 | 589          |
| 1996 TN <sub>12</sub> | 1996 10 18.87234   | 01 57 53.66 | +13 30 44.3 | 589          |
| 1996 TN <sub>12</sub> | 1996 10 18.88178   | 01 57 53.12 | +13 30 40.5 | 589          |
| 1996 TN <sub>12</sub> | 1996 10 19.77557   | 01 57 01.47 | +13 25 27.4 | 18.3 V 589   |
| 1996 TN <sub>12</sub> | 1996 10 19.81197   | 01 56 59.30 | +13 25 15.4 | 589          |
| 1996 TO <sub>12</sub> | * 1996 10 12.91477 | 02 03 25.52 | +14 06 37.0 | 18.0 V 589   |
| 1996 TO <sub>12</sub> | 1996 10 12.92235   | 02 03 25.05 | +14 06 32.4 | 589          |
| 1996 TO <sub>12</sub> | 1996 10 12.93876   | 02 03 24.23 | +14 06 26.0 | 589          |

## M.P.C. 28004

1996 OCT. 26

|                       |                    |             |             |        |       |
|-----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 TO <sub>12</sub> | 1996 10 12.95213   | 02 03 23.38 | +14 06 20.5 |        | 589   |
| 1996 TO <sub>12</sub> | 1996 10 18.78327   | 01 58 04.81 | +13 23 16.9 | 17.6 V | 589   |
| 1996 TO <sub>12</sub> | 1996 10 18.79663   | 01 58 04.10 | +13 23 10.6 |        | 589   |
| 1996 TO <sub>12</sub> | 1996 10 18.80693   | 01 58 03.49 | +13 23 05.6 |        | 589   |
| 1996 UV               | * 1996 10 18.81420 | 01 57 49.68 | +13 34 13.7 | 18.0 V | r 589 |
| 1996 UV               | 1996 10 18.82453   | 01 57 49.17 | +13 34 12.1 |        | r 589 |
| 1996 UV               | 1996 10 18.83831   | 01 57 48.38 | +13 34 09.4 |        | r 589 |
| 1996 UV               | 1996 10 18.85859   | 01 57 47.23 | +13 34 05.8 |        | 589   |
| 1996 UV               | 1996 10 18.87234   | 01 57 46.49 | +13 34 02.9 |        | 589   |
| 1996 UV               | 1996 10 18.88178   | 01 57 45.98 | +13 34 01.4 |        | 589   |
| 1996 UV               | 1996 10 19.77557   | 01 56 57.55 | +13 31 03.0 | 17.9 V | 589   |
| 1996 UV               | 1996 10 19.81197   | 01 56 55.55 | +13 30 57.0 |        | 589   |
| (3209)                | 1996 10 09.81652   | 20 58 34.33 | -20 23 12.3 | 17.9 V | 589   |
| (3209)                | 1996 10 09.82733   | 20 58 34.54 | -20 23 11.3 |        | 589   |
| (3209)                | 1996 10 09.83589   | 20 58 34.78 | -20 23 09.7 |        | 589   |

## 595 Farra d'Isonzo

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0.4-m *f*/4.5 reflector + CCD  
GSC

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1993 XY              | 1996 10 09.98088   | 01 25 37.98 | +07 11 50.6 |        | 595 |
| 1993 XY              | 1996 10 09.98800   | 01 25 37.53 | +07 11 47.3 | 19.1 V | 595 |
| 1993 XY              | 1996 10 11.88737   | 01 23 52.49 | +06 57 58.8 |        | 595 |
| 1993 XY              | 1996 10 11.90427   | 01 23 51.54 | +06 57 52.2 |        | 595 |
| 1994 DA              | 1996 10 12.83544   | 00 46 26.18 | -02 57 23.7 |        | 595 |
| 1994 DA              | 1996 10 12.85414   | 00 46 25.33 | -02 57 31.6 | 18.6 V | 595 |
| 1994 DA              | 1996 10 13.81200   | 00 45 41.51 | -03 04 04.4 |        | 595 |
| 1994 DA              | 1996 10 13.84185   | 00 45 40.12 | -03 04 15.2 |        | 595 |
| 1994 DA              | 1996 10 13.85755   | 00 45 39.41 | -03 04 21.8 |        | 595 |
| 1994 GZ              | 1996 10 12.90550   | 02 12 29.35 | +05 26 59.3 |        | 595 |
| 1994 GZ              | 1996 10 12.92079   | 02 12 28.67 | +05 26 49.8 | 15.6 V | 595 |
| 1995 JG              | 1996 10 12.97875   | 02 13 25.92 | +05 35 43.9 |        | 595 |
| 1995 JG              | 1996 10 12.98887   | 02 13 24.92 | +05 35 49.0 |        | 595 |
| 1995 JG              | 1996 10 13.89647   | 02 12 00.12 | +05 43 21.0 |        | 595 |
| 1995 JG              | 1996 10 13.90920   | 02 11 58.90 | +05 43 27.3 | 15.8 V | 595 |
| 1996 PS <sub>1</sub> | 1996 10 09.79668   | 21 19 01.35 | +04 01 31.7 |        | 595 |
| 1996 PS <sub>1</sub> | 1996 10 09.82104   | 21 19 01.34 | +04 01 24.3 |        | 595 |
| 1996 PS <sub>1</sub> | 1996 10 09.83146   | 21 19 01.31 | +04 01 20.7 | 17.6 V | 595 |
| 1996 PS <sub>1</sub> | 1996 10 11.78973   | 21 19 00.34 | +03 51 17.1 |        | 595 |
| 1996 PS <sub>1</sub> | 1996 10 11.80934   | 21 19 00.35 | +03 51 11.3 |        | 595 |
| 1996 PS <sub>1</sub> | 1996 10 11.82697   | 21 19 00.36 | +03 51 05.9 |        | 595 |
| 1996 QV              | 1996 09 13.85815   | 22 01 58.92 | -10 24 37.6 |        | 595 |
| 1996 QV              | 1996 09 13.88204   | 22 01 58.01 | -10 24 39.7 |        | 595 |
| 1996 QV              | 1996 09 13.89712   | 22 01 57.51 | -10 24 41.3 | 19.6 V | 595 |
| 1996 TN              | 1996 10 03.97809   | 01 41 17.19 | +04 58 33.9 |        | 595 |
| 1996 TN              | * 1996 10 03.99128 | 01 41 16.43 | +04 58 32.0 |        | 595 |
| 1996 TN              | 1996 10 04.00656   | 01 41 15.51 | +04 58 30.1 |        | 595 |
| 1996 TN              | 1996 10 04.83148   | 01 40 28.59 | +04 56 34.2 | 15.6 V | 595 |
| 1996 TN              | 1996 10 04.85390   | 01 40 27.29 | +04 56 31.2 |        | 595 |
| 1996 TN              | 1996 10 09.87322   | 01 35 26.64 | +04 44 42.9 |        | 595 |

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TN               | 1996 10 09.89990   | 01 35 24.94 | +04 44 39.3 | 15.7 V | 595 |
| 1996 TO               | 1996 10 03.97809   | 01 41 38.18 | +04 59 52.7 |        | 595 |
| 1996 TO               | * 1996 10 03.99128 | 01 41 37.49 | +04 59 46.9 |        | 595 |
| 1996 TO               | 1996 10 04.00656   | 01 41 36.68 | +04 59 40.3 |        | 595 |
| 1996 TO               | 1996 10 04.83148   | 01 40 52.87 | +04 54 04.1 |        | 595 |
| 1996 TO               | 1996 10 04.85390   | 01 40 51.64 | +04 53 55.4 | 17.6 V | 595 |
| 1996 TO               | 1996 10 09.89529   | 01 36 12.54 | +04 19 39.1 |        | 595 |
| 1996 TO               | 1996 10 09.90720   | 01 36 11.97 | +04 19 33.8 | 17.4 V | 595 |
| 1996 TQ               | 1996 10 03.99694   | 01 43 07.99 | +04 58 30.0 | 17.8 V | 595 |
| 1996 TQ               | * 1996 10 04.00978 | 01 43 07.30 | +04 58 25.8 |        | 595 |
| 1996 TQ               | 1996 10 04.83546   | 01 42 26.94 | +04 54 20.5 |        | 595 |
| 1996 TQ               | 1996 10 04.85792   | 01 42 25.87 | +04 54 14.3 |        | 595 |
| 1996 TQ               | 1996 10 09.91244   | 01 38 00.69 | +04 28 47.6 | 18.0 V | 595 |
| 1996 TQ               | 1996 10 09.92885   | 01 37 59.77 | +04 28 43.9 |        | 595 |
| 1996 TR               | 1996 10 04.02999   | 01 45 09.15 | +05 03 12.4 |        | 595 |
| 1996 TR               | * 1996 10 04.05663 | 01 45 07.96 | +05 02 57.0 | 17 V   | 595 |
| 1996 TR               | 1996 10 04.84134   | 01 44 35.50 | +04 55 19.4 |        | 595 |
| 1996 TR               | 1996 10 04.86315   | 01 44 34.54 | +04 55 07.1 |        | 595 |
| 1996 TR               | 1996 10 09.91953   | 01 40 48.34 | +04 05 34.8 |        | 595 |
| 1996 TR               | 1996 10 09.93635   | 01 40 47.54 | +04 05 25.3 | 17.2 V | 595 |
| 1996 TX <sub>7</sub>  | 1996 10 04.05296   | 01 47 07.49 | +04 54 00.8 | 18.2 V | 595 |
| 1996 TX <sub>7</sub>  | * 1996 10 04.06339 | 01 47 07.01 | +04 53 57.0 |        | 595 |
| 1996 TX <sub>7</sub>  | 1996 10 09.92319   | 01 41 38.30 | +04 11 32.5 |        | 595 |
| 1996 TX <sub>7</sub>  | 1996 10 09.94970   | 01 41 36.75 | +04 11 25.8 |        | 595 |
| 1996 TX <sub>7</sub>  | 1996 10 11.92312   | 01 39 41.32 | +03 57 19.3 |        | 595 |
| 1996 TX <sub>7</sub>  | 1996 10 11.95525   | 01 39 39.52 | +03 57 05.2 |        | 595 |
| 1996 TC <sub>13</sub> | 1996 10 12.90230   | 02 11 55.46 | +05 33 08.0 |        | 595 |
| 1996 TC <sub>13</sub> | * 1996 10 12.91772 | 02 11 54.73 | +05 33 02.8 | 17.8 V | 595 |
| 1996 TC <sub>13</sub> | 1996 10 18.97889   | 02 07 25.99 | +04 53 06.5 |        | 595 |
| 1996 TC <sub>13</sub> | 1996 10 18.99767   | 02 07 25.14 | +04 52 59.7 |        | 595 |
| (2597)                | 1996 10 11.88737   | 01 23 54.31 | +06 55 48.3 | 15.2 V | 595 |
| (2597)                | 1996 10 11.90427   | 01 23 53.50 | +06 55 43.3 |        | 595 |
| (6501)                | 1996 09 10.88236   | 21 51 56.78 | -14 30 44.3 | 17.2 V | 595 |
| (6501)                | 1996 09 10.90897   | 21 51 55.72 | -14 30 56.4 |        | 595 |
| (6501)                | 1996 10 09.78235   | 21 46 06.21 | -16 36 52.5 |        | 595 |
| (6501)                | 1996 10 09.85560   | 21 46 07.33 | -16 36 58.1 |        | 595 |
| (6501)                | 1996 10 12.77877   | 21 47 02.44 | -16 39 17.9 |        | 595 |
| (6501)                | 1996 10 12.79360   | 21 47 02.75 | -16 39 18.7 | 18.3 V | 595 |
| (6501)                | 1996 10 12.81394   | 21 47 03.14 | -16 39 19.5 |        | 595 |

## 596 Colleverde di Guidonia

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0.40-m *f*/2.95 reflector + CCD  
GSC

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1981 EY <sub>28</sub> | 1996 09 29.76339 | 21 40 48.20 | -10 53 43.4 | 18.3 V | 596 |
| 1981 EY <sub>28</sub> | 1996 09 29.77369 | 21 40 47.97 | -10 53 39.5 |        | 596 |
| 1981 EY <sub>28</sub> | 1996 09 29.77947 | 21 40 47.90 | -10 53 37.6 |        | 596 |
| 1996 PL               | 1996 10 03.75858 | 22 02 35.16 | +04 05 51.4 | 16.7 V | 596 |
| 1996 PL               | 1996 10 03.76645 | 22 02 35.10 | +04 05 47.2 |        | 596 |
| 1996 PL               | 1996 10 03.77762 | 22 02 35.03 | +04 05 40.6 |        | 596 |
| 1996 RZ <sub>3</sub>  | 1996 09 29.79391 | 23 01 17.58 | +07 31 30.6 | 16.7 V | 596 |
| 1996 RZ <sub>3</sub>  | 1996 09 29.80816 | 23 01 16.89 | +07 31 29.5 |        | 596 |

|                      |                    |             |             |            |
|----------------------|--------------------|-------------|-------------|------------|
| 1996 RZ <sub>3</sub> | 1996 09 29.82170   | 23 01 16.18 | +07 31 27.6 | 596        |
| 1996 RZ <sub>3</sub> | 1996 09 30.79749   | 23 00 29.23 | +07 29 32.3 | 596        |
| 1996 RZ <sub>3</sub> | 1996 09 30.81042   | 23 00 28.59 | +07 29 30.3 | 596        |
| 1996 RZ <sub>3</sub> | 1996 09 30.82447   | 23 00 27.89 | +07 29 28.9 | 596        |
| 1996 RA <sub>4</sub> | 1996 09 17.83966   | 23 13 54.90 | +06 29 59.2 | 17.7 V 596 |
| 1996 RA <sub>4</sub> | 1996 09 17.85023   | 23 13 54.44 | +06 29 52.9 | 596        |
| 1996 RB <sub>4</sub> | 1996 09 20.86213   | 01 43 42.89 | +31 34 57.9 | 16.2 V 596 |
| 1996 RB <sub>4</sub> | 1996 09 20.88999   | 01 43 41.98 | +31 35 03.6 | 596        |
| 1996 RB <sub>4</sub> | 1996 09 20.90639   | 01 43 41.47 | +31 35 07.1 | 596        |
| 1996 RB <sub>4</sub> | 1996 09 30.83677   | 01 37 10.55 | +31 52 47.5 | 16.0 V 596 |
| 1996 RB <sub>4</sub> | 1996 09 30.85794   | 01 37 09.54 | +31 52 48.7 | 596        |
| 1996 RB <sub>4</sub> | 1996 09 30.87625   | 01 37 08.61 | +31 52 48.1 | 596        |
| 1996 SD <sub>7</sub> | * 1996 09 29.79391 | 23 01 54.70 | +07 33 46.2 | 17.4 V 596 |
| 1996 SD <sub>7</sub> | 1996 09 29.80816   | 23 01 54.16 | +07 33 40.1 | 596        |
| 1996 SD <sub>7</sub> | 1996 09 29.82170   | 23 01 53.62 | +07 33 34.2 | 596        |
| 1996 SD <sub>7</sub> | 1996 09 30.79749   | 23 01 14.57 | +07 25 56.7 | 596        |
| 1996 SD <sub>7</sub> | 1996 09 30.81042   | 23 01 14.02 | +07 25 52.1 | 596        |
| 1996 SD <sub>7</sub> | 1996 09 30.82447   | 23 01 13.40 | +07 25 45.2 | 596        |
| 1996 SD <sub>7</sub> | 1996 10 03.78657   | 22 59 23.08 | +07 02 34.9 | 17.8 V 596 |
| 1996 SD <sub>7</sub> | 1996 10 03.79610   | 22 59 22.59 | +07 02 29.3 | 596        |
| 1996 SD <sub>7</sub> | 1996 10 03.81019   | 22 59 22.19 | +07 02 23.5 | 596        |
| 1996 TF              | * 1996 10 01.85159 | 01 29 18.19 | +15 25 51.6 | 17.1 V 596 |
| 1996 TF              | 1996 10 01.87219   | 01 29 17.07 | +15 25 45.0 | 596        |
| 1996 TF              | 1996 10 01.88756   | 01 29 16.18 | +15 25 41.2 | 596        |
| 1996 TF              | 1996 10 02.89095   | 01 28 20.67 | +15 20 26.3 | 596        |
| 1996 TF              | 1996 10 02.89863   | 01 28 20.10 | +15 20 23.6 | 596        |
| 1996 TG              | * 1996 10 01.85159 | 01 29 35.67 | +15 17 45.2 | 16.1 V 596 |
| 1996 TG              | 1996 10 01.87219   | 01 29 34.52 | +15 17 42.7 | 596        |
| 1996 TG              | 1996 10 01.89652   | 01 29 33.14 | +15 17 39.3 | 596        |
| 1996 TG              | 1996 10 02.89095   | 01 28 39.18 | +15 14 53.5 | 596        |
| 1996 TG              | 1996 10 02.89863   | 01 28 38.72 | +15 14 52.0 | 596        |
| 1996 TH              | * 1996 10 02.89095 | 01 28 18.33 | +15 27 08.9 | 17.8 V 596 |
| 1996 TH              | 1996 10 02.89863   | 01 28 17.91 | +15 27 06.2 | 596        |
| 1996 TH              | 1996 10 03.83135   | 01 27 34.49 | +15 20 31.3 | 596        |
| 1996 TH              | 1996 10 03.85194   | 01 27 33.61 | +15 20 23.2 | 596        |
| 1996 TH              | 1996 10 03.86979   | 01 27 32.82 | +15 20 15.8 | 596        |

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Measurers D. O'Connell, P. Kervin, B. Kraszewski, V. Soo Hoo, G. Fricke,  
K. Imada, J. Africano, P. Sydney, D. Nishimoto

1.2-m reflector + CCD

|                      |                  |             |             |     |
|----------------------|------------------|-------------|-------------|-----|
| 1996 PM <sub>4</sub> | 1996 07 29.44127 | 22 27 03.34 | -11 43 41.9 | 608 |
| 1996 PM <sub>4</sub> | 1996 07 29.47459 | 22 27 02.16 | -11 43 48.9 | 608 |

**610 Pianoro**

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

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1981 EU <sub>19</sub> | 1996 09 14.94725   | 23 26 29.09 | -02 31 55.6 | 17.0 V | 610 |
| 1981 EU <sub>19</sub> | 1996 09 14.95741   | 23 26 28.47 | -02 31 57.1 |        | 610 |
| 1981 EU <sub>19</sub> | 1996 09 14.97155   | 23 26 27.60 | -02 31 59.1 |        | 610 |
| 1987 BO <sub>1</sub>  | 1996 07 19.94456   | 20 35 04.92 | +00 55 14.3 | 16.6 V | 610 |
| 1987 BO <sub>1</sub>  | 1996 07 19.95277   | 20 35 04.35 | +00 55 17.7 |        | 610 |
| 1987 BO <sub>1</sub>  | 1996 07 19.96200   | 20 35 03.70 | +00 55 21.6 |        | 610 |
| 1989 RS <sub>1</sub>  | 1996 09 08.96420   | 22 30 53.24 | -01 37 20.6 |        | 610 |
| 1989 RS <sub>1</sub>  | 1996 09 08.97500   | 22 30 55.00 | -01 37 36.8 |        | 610 |
| 1989 RS <sub>1</sub>  | 1996 09 08.99103   | 22 30 57.62 | -01 38 00.7 |        | 610 |
| 1996 NS               | 1996 07 10.06836   | 20 50 14.25 | -14 09 57.9 | 18.0 V | 610 |
| 1996 NS               | 1996 07 10.07807   | 20 50 13.88 | -14 10 00.7 |        | 610 |
| 1996 NS               | 1996 07 10.09052   | 20 50 13.41 | -14 10 04.3 |        | 610 |
| 1996 RD <sub>1</sub>  | 1996 09 16.89882   | 23 25 32.45 | -02 50 56.9 | 17.0 V | 610 |
| 1996 RD <sub>1</sub>  | 1996 09 16.92410   | 23 25 31.13 | -02 51 09.4 |        | 610 |
| 1996 RD <sub>1</sub>  | 1996 09 16.93650   | 23 25 30.49 | -02 51 15.5 |        | 610 |
| 1996 RD <sub>1</sub>  | 1996 10 03.81315   | 23 13 34.11 | -04 59 06.3 | 17.2 V | 610 |
| 1996 RD <sub>1</sub>  | 1996 10 03.83220   | 23 13 33.49 | -04 59 13.1 |        | 610 |
| 1996 RD <sub>1</sub>  | 1996 10 03.86004   | 23 13 32.58 | -04 59 22.9 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 03.89727   | 00 32 44.37 | -03 42 01.6 | 17.5 V | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 03.91949   | 00 32 43.45 | -03 42 18.0 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 03.93200   | 00 32 42.93 | -03 42 27.2 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 18.88890   | 00 23 24.28 | -06 31 48.6 | 17.8 V | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 18.91420   | 00 23 23.39 | -06 32 04.8 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 18.93009   | 00 23 22.83 | -06 32 14.9 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 18.94475   | 00 23 22.31 | -06 32 24.2 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 19.86561   | 00 22 52.34 | -06 41 36.5 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 19.88465   | 00 22 51.62 | -06 41 47.4 |        | 610 |
| 1996 RF <sub>4</sub>  | 1996 10 19.91319   | 00 22 50.54 | -06 42 03.9 |        | 610 |
| 1996 TE <sub>8</sub>  | * 1996 10 03.93645 | 00 32 28.47 | -03 30 43.6 | 17.0 V | 610 |
| 1996 TE <sub>8</sub>  | 1996 10 03.94721   | 00 32 28.05 | -03 30 51.0 |        | 610 |
| 1996 TE <sub>8</sub>  | 1996 10 03.96331   | 00 32 27.42 | -03 31 02.0 |        | 610 |
| 1996 TE <sub>8</sub>  | 1996 10 12.88091   | 00 26 52.43 | -05 09 30.5 |        | 610 |
| 1996 TE <sub>8</sub>  | 1996 10 12.90019   | 00 26 51.71 | -05 09 42.1 |        | 610 |
| 1996 TE <sub>8</sub>  | 1996 10 12.90773   | 00 26 51.43 | -05 09 46.6 |        | 610 |
| 1996 TF <sub>8</sub>  | * 1996 10 12.00148 | 01 22 22.99 | +06 40 39.6 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 12.01413   | 01 22 22.44 | +06 40 35.0 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 12.96203   | 01 21 36.38 | +06 33 57.4 | 16.5 V | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 12.98138   | 01 21 35.34 | +06 33 49.7 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 12.98490   | 01 21 35.16 | +06 33 48.3 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 13.00255   | 01 21 34.21 | +06 33 41.2 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 18.94950   | 01 16 49.58 | +05 53 32.3 | 17.3 V | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 18.96549   | 01 16 48.81 | +05 53 26.3 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 18.97927   | 01 16 48.15 | +05 53 21.2 |        | 610 |
| 1996 TF <sub>8</sub>  | 1996 10 18.98609   | 01 16 47.83 | +05 53 18.6 |        | 610 |
| 1996 UO               | * 1996 10 18.83861 | 23 09 36.32 | -06 07 47.6 | 17.7 V | 610 |
| 1996 UO               | 1996 10 18.85299   | 23 09 36.02 | -06 07 48.7 |        | 610 |
| 1996 UO               | 1996 10 18.86986   | 23 09 35.68 | -06 07 49.9 |        | 610 |
| 1996 UO               | 1996 10 19.80538   | 23 09 18.79 | -06 08 46.6 |        | 610 |
| 1996 UO               | 1996 10 19.83101   | 23 09 18.33 | -06 08 47.4 |        | 610 |
| 1996 UO               | 1996 10 19.85720   | 23 09 17.87 | -06 08 48.3 |        | 610 |

## M.P.C. 28006

1996 OCT. 26

|         |                    |             |             |        |     |        |                  |             |             |        |     |
|---------|--------------------|-------------|-------------|--------|-----|--------|------------------|-------------|-------------|--------|-----|
| 1996 UP | * 1996 10 18.88890 | 00 22 49.41 | -06 30 12.6 | 17.3 V | 610 | (3302) | 1996 09 29.79789 | 22 29 43.41 | -10 56 48.5 | 16.0 V | 610 |
| 1996 UP | 1996 10 18.91420   | 00 22 48.43 | -06 30 21.5 |        | 610 | (3302) | 1996 09 29.82116 | 22 29 42.71 | -10 56 53.0 |        | 610 |
| 1996 UP | 1996 10 18.93009   | 00 22 47.81 | -06 30 27.1 |        | 610 | (3302) | 1996 09 29.84304 | 22 29 42.06 | -10 56 57.3 |        | 610 |
| 1996 UP | 1996 10 18.94475   | 00 22 47.24 | -06 30 32.3 |        | 610 | (3322) | 1996 07 11.92149 | 19 09 54.04 | +00 40 25.2 | 17.0 V | 610 |
| 1996 UP | 1996 10 19.86561   | 00 22 11.92 | -06 35 30.3 |        | 610 | (3322) | 1996 07 11.93402 | 19 09 53.30 | +00 40 27.8 |        | 610 |
| 1996 UP | 1996 10 19.88465   | 00 22 11.15 | -06 35 35.9 |        | 610 | (3322) | 1996 07 11.95046 | 19 09 52.32 | +00 40 31.1 |        | 610 |
| 1996 UP | 1996 10 19.91319   | 00 22 09.98 | -06 35 44.4 |        | 610 | (3351) | 1996 09 15.94649 | 23 22 08.20 | +02 05 39.2 | 15.5 V | 610 |
| (392)   | 1996 07 10.01596   | 19 58 05.89 | +01 39 37.7 | 13.9 V | 610 | (3351) | 1996 09 15.95663 | 23 22 07.83 | +02 05 31.7 |        | 610 |
| (392)   | 1996 07 10.02313   | 19 58 05.52 | +01 39 37.7 |        | 610 | (3351) | 1996 09 15.96391 | 23 22 07.56 | +02 05 26.2 |        | 610 |
| (392)   | 1996 07 10.02646   | 19 58 05.34 | +01 39 37.7 |        | 610 | (3527) | 1996 09 07.86148 | 21 08 14.13 | -07 31 33.1 | 16.4 V | 610 |
| (496)   | 1996 09 08.90657   | 21 21 20.58 | -09 51 09.5 | 14.8 V | 610 | (3527) | 1996 09 07.89490 | 21 08 12.94 | -07 31 45.0 |        | 610 |
| (496)   | 1996 09 08.91526   | 21 21 20.20 | -09 51 12.3 |        | 610 | (3527) | 1996 09 07.90436 | 21 08 12.60 | -07 31 48.4 |        | 610 |
| (496)   | 1996 09 08.93615   | 21 21 19.29 | -09 51 19.3 |        | 610 | (3908) | 1996 09 06.89923 | 20 52 42.59 | -02 50 18.4 | 15.1 V | 610 |
| (716)   | 1996 09 10.87242   | 22 15 26.51 | -13 17 33.9 | 15.1 V | 610 | (3908) | 1996 09 06.90546 | 20 52 42.24 | -02 50 13.1 |        | 610 |
| (716)   | 1996 09 10.90853   | 22 15 24.98 | -13 17 47.0 |        | 610 | (3908) | 1996 09 06.91080 | 20 52 41.94 | -02 50 08.6 |        | 610 |
| (716)   | 1996 09 10.92514   | 22 15 24.27 | -13 17 53.0 |        | 610 | (3908) | 1996 09 07.83411 | 20 52 12.79 | -02 37 08.2 |        | 610 |
| (837)   | 1996 09 07.91852   | 21 57 15.45 | -03 39 40.7 | 14.5 V | 610 | (3908) | 1996 09 07.86587 | 20 52 11.32 | -02 36 41.1 |        | 610 |
| (837)   | 1996 09 07.93134   | 21 57 14.84 | -03 39 47.2 |        | 610 | (3908) | 1996 09 07.91103 | 20 52 09.24 | -02 36 02.5 |        | 610 |
| (837)   | 1996 09 07.94530   | 21 57 14.18 | -03 39 54.2 |        | 610 | (3940) | 1996 09 08.80013 | 19 19 33.28 | +08 24 54.2 | 16.2 V | 610 |
| (1019)  | 1996 09 11.86498   | 20 23 33.74 | -21 14 28.8 | 15.0 V | 610 | (3940) | 1996 09 08.82007 | 19 19 33.62 | +08 24 34.4 |        | 610 |
| (1019)  | 1996 09 11.87135   | 20 23 33.78 | -21 14 36.3 |        | 610 | (3940) | 1996 09 08.83652 | 19 19 33.90 | +08 24 18.0 |        | 610 |
| (1019)  | 1996 09 11.88073   | 20 23 33.84 | -21 14 47.4 |        | 610 | (4179) | 1996 09 10.79751 | 19 16 06.29 | -22 54 27.0 | 14.1 V | 610 |
| (1152)  | 1996 09 10.94444   | 23 25 49.35 | -00 48 20.1 | 14.4 V | 610 | (4179) | 1996 09 10.80370 | 19 16 05.77 | -22 54 28.2 |        | 610 |
| (1152)  | 1996 09 10.97446   | 23 25 47.58 | -00 48 27.0 |        | 610 | (4179) | 1996 09 10.82936 | 19 16 03.58 | -22 54 33.0 |        | 610 |
| (1152)  | 1996 09 10.97993   | 23 25 47.25 | -00 48 28.2 |        | 610 | (4206) | 1996 09 10.93765 | 23 20 48.01 | -02 17 22.8 | 15.6 V | 610 |
| (1443)  | 1996 09 13.82676   | 22 31 54.06 | -08 29 32.0 | 14.7 V | 610 | (4206) | 1996 09 10.96476 | 23 20 46.63 | -02 17 31.1 |        | 610 |
| (1443)  | 1996 09 13.83510   | 22 31 53.70 | -08 29 34.5 |        | 610 | (4206) | 1996 09 10.97019 | 23 20 46.35 | -02 17 32.7 |        | 610 |
| (1443)  | 1996 09 13.85002   | 22 31 53.05 | -08 29 39.0 |        | 610 | (4228) | 1996 09 06.85959 | 20 26 50.34 | -09 33 42.7 | 16.5 V | 610 |
| (1505)  | 1996 07 10.02943   | 20 52 40.00 | +02 26 24.6 | 14.8 V | 610 | (4228) | 1996 09 06.87104 | 20 26 50.18 | -09 33 45.9 |        | 610 |
| (1505)  | 1996 07 10.03711   | 20 52 39.66 | +02 26 26.6 |        | 610 | (4228) | 1996 09 06.89422 | 20 26 49.87 | -09 33 52.1 |        | 610 |
| (1505)  | 1996 07 10.04617   | 20 52 39.25 | +02 26 28.9 |        | 610 | (4328) | 1996 09 11.06162 | 01 49 01.57 | +12 01 35.4 | 16.8 V | 610 |
| (1675)  | 1996 09 14.91019   | 22 44 12.24 | -17 36 12.4 | 14.7 V | 610 | (4328) | 1996 09 11.07027 | 01 49 01.44 | +12 01 32.7 |        | 610 |
| (1675)  | 1996 09 14.91681   | 22 44 11.82 | -17 36 13.4 |        | 610 | (4328) | 1996 09 11.08135 | 01 49 01.27 | +12 01 29.3 |        | 610 |
| (1675)  | 1996 09 14.92792   | 22 44 11.10 | -17 36 14.9 |        | 610 | (4400) | 1996 09 13.79981 | 22 31 29.75 | -10 43 44.1 | 16.1 V | 610 |
| (1987)  | 1996 09 08.84160   | 20 17 02.10 | -10 40 17.6 | 13.8 V | 610 | (4400) | 1996 09 13.81281 | 22 31 29.04 | -10 43 45.5 |        | 610 |
| (1987)  | 1996 09 08.86772   | 20 17 01.25 | -10 39 56.4 |        | 610 | (4400) | 1996 09 13.88634 | 22 31 25.02 | -10 43 53.7 |        | 610 |
| (1987)  | 1996 09 08.89440   | 20 17 00.38 | -10 39 34.8 |        | 610 | (4466) | 1996 09 14.98922 | 00 01 39.67 | -00 13 35.5 | 15.9 V | 610 |
| (2502)  | 1996 09 15.01716   | 00 44 29.79 | -00 05 48.4 | 16.7 V | 610 | (4466) | 1996 09 15.00250 | 00 01 39.06 | -00 13 39.9 |        | 610 |
| (2502)  | 1996 09 15.02301   | 00 44 29.49 | -00 05 48.9 |        | 610 | (4466) | 1996 09 15.01095 | 00 01 38.67 | -00 13 42.6 |        | 610 |
| (2502)  | 1996 09 15.02638   | 00 44 29.33 | -00 05 49.2 |        | 610 | (4490) | 1996 07 11.95630 | 20 05 18.97 | -01 59 09.4 | 14.9 V | 610 |
| (2502)  | 1996 09 16.94311   | 00 42 56.14 | -00 09 06.8 |        | 610 | (4490) | 1996 07 11.97431 | 20 05 17.79 | -01 59 28.4 |        | 610 |
| (2502)  | 1996 09 16.96473   | 00 42 55.07 | -00 09 09.3 |        | 610 | (4490) | 1996 07 11.99688 | 20 05 16.32 | -01 59 52.2 |        | 610 |
| (2502)  | 1996 09 16.97611   | 00 42 54.50 | -00 09 10.7 |        | 610 | (4490) | 1996 09 11.82942 | 19 24 30.30 | -23 21 36.0 | 15.7 V | 610 |
| (3218)  | 1996 09 13.92147   | 23 28 09.84 | -02 21 06.6 | 17.0 V | 610 | (4490) | 1996 09 11.84388 | 19 24 30.61 | -23 21 48.4 |        | 610 |
| (3218)  | 1996 09 13.96560   | 23 28 07.48 | -02 21 25.7 |        | 610 | (4490) | 1996 09 11.85589 | 19 24 30.87 | -23 21 58.8 |        | 610 |
| (3218)  | 1996 09 14.00288   | 23 28 05.52 | -02 21 41.8 |        | 610 | (4542) | 1996 07 08.99478 | 20 08 02.59 | -23 24 18.4 | 15.1 V | 610 |
| (3218)  | 1996 09 14.94725   | 23 27 17.03 | -02 28 24.1 |        | 610 | (4542) | 1996 07 09.00646 | 20 08 02.01 | -23 24 22.7 |        | 610 |
| (3218)  | 1996 09 14.95741   | 23 27 16.48 | -02 28 28.6 |        | 610 | (4542) | 1996 07 09.01918 | 20 08 01.39 | -23 24 27.4 |        | 610 |
| (3218)  | 1996 09 14.97155   | 23 27 15.73 | -02 28 34.9 |        | 610 | (4617) | 1996 09 11.90539 | 22 19 59.15 | +16 06 59.3 | 16.3 V | 610 |
| (3223)  | 1996 07 19.88838   | 19 31 08.66 | -09 20 38.0 | 15.4 V | 610 | (4617) | 1996 09 11.91253 | 22 19 58.85 | +16 06 56.2 |        | 610 |
| (3223)  | 1996 07 19.90145   | 19 31 07.95 | -09 20 41.3 |        | 610 | (4617) | 1996 09 11.92191 | 22 19 58.45 | +16 06 52.2 |        | 610 |
| (3223)  | 1996 07 19.91264   | 19 31 07.34 | -09 20 44.1 |        | 610 | (4776) | 1996 09 15.96907 | 23 52 10.65 | -02 50 12.3 | 15.3 V | 610 |

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (4776) | 1996 09 15.97964 | 23 52 10.02 | -02 50 12.0 |        | 610 |
| (4776) | 1996 09 15.98711 | 23 52 09.58 | -02 50 11.7 |        | 610 |
| (4856) | 1996 09 11.88586 | 21 09 35.68 | -00 52 44.1 | 16.1 V | 610 |
| (4856) | 1996 09 11.89258 | 21 09 35.53 | -00 52 48.4 |        | 610 |
| (4856) | 1996 09 11.90128 | 21 09 35.34 | -00 52 54.0 |        | 610 |
| (4926) | 1996 09 13.89432 | 22 58 47.15 | -06 01 54.7 | 16.5 V | 610 |
| (4926) | 1996 09 13.90387 | 22 58 46.68 | -06 01 57.0 |        | 610 |
| (4926) | 1996 09 13.91529 | 22 58 46.12 | -06 01 59.7 |        | 610 |
| (4959) | 1996 07 31.93774 | 19 42 20.53 | -18 56 56.4 | 15.3 V | 610 |
| (4959) | 1996 07 31.94369 | 19 42 20.24 | -18 56 57.8 |        | 610 |
| (4959) | 1996 07 31.95461 | 19 42 19.70 | -18 57 00.3 |        | 610 |
| (4976) | 1996 09 08.85108 | 20 01 55.47 | -10 15 26.6 | 15.6 V | 610 |
| (4976) | 1996 09 08.88012 | 20 01 55.18 | -10 15 30.2 |        | 610 |
| (4976) | 1996 09 08.88664 | 20 01 55.11 | -10 15 31.1 |        | 610 |
| (5175) | 1996 09 08.92030 | 21 53 55.63 | +19 56 30.6 | 16.4 V | 610 |
| (5175) | 1996 09 08.92801 | 21 53 55.20 | +19 56 25.2 |        | 610 |
| (5175) | 1996 09 08.94762 | 21 53 54.12 | +19 56 11.4 |        | 610 |
| (5176) | 1996 07 31.96684 | 20 18 08.57 | -27 24 09.1 | 13.7 V | 610 |
| (5176) | 1996 07 31.97557 | 20 18 08.09 | -27 24 12.6 |        | 610 |
| (5176) | 1996 07 31.98231 | 20 18 07.72 | -27 24 15.3 |        | 610 |
| (5270) | 1996 07 09.88986 | 17 44 06.58 | -04 10 14.0 | 16.2 V | 610 |
| (5270) | 1996 07 09.90270 | 17 44 06.13 | -04 10 16.2 |        | 610 |
| (5270) | 1996 07 09.90912 | 17 44 05.91 | -04 10 17.4 |        | 610 |
| (5270) | 1996 07 31.82441 | 17 36 19.52 | -05 36 22.5 | 16.6 V | 610 |
| (5270) | 1996 07 31.83478 | 17 36 19.46 | -05 36 26.2 |        | 610 |
| (5270) | 1996 07 31.85030 | 17 36 19.37 | -05 36 31.6 |        | 610 |
| (5333) | 1996 07 09.91347 | 17 54 20.15 | -06 43 05.1 | 16.7 V | 610 |
| (5333) | 1996 07 09.92377 | 17 54 19.60 | -06 43 06.3 |        | 610 |
| (5333) | 1996 07 09.93545 | 17 54 18.98 | -06 43 07.8 |        | 610 |
| (5519) | 1996 09 15.01716 | 00 44 18.04 | -00 02 42.7 | 17.0 V | 610 |
| (5519) | 1996 09 15.02301 | 00 44 17.86 | -00 02 45.2 |        | 610 |
| (5519) | 1996 09 15.02638 | 00 44 17.76 | -00 02 46.7 |        | 610 |
| (5519) | 1996 09 15.03440 | 00 44 17.51 | -00 02 50.1 |        | 610 |
| (5519) | 1996 09 16.94311 | 00 43 07.88 | -00 14 30.7 |        | 610 |
| (5519) | 1996 09 16.96473 | 00 43 07.03 | -00 14 38.9 |        | 610 |
| (5519) | 1996 09 16.97611 | 00 43 06.58 | -00 14 43.2 |        | 610 |
| (5626) | 1996 09 07.80883 | 20 25 10.88 | -15 27 20.6 | 16.0 V | 610 |
| (5626) | 1996 09 07.81655 | 20 25 10.56 | -15 27 24.2 |        | 610 |
| (5626) | 1996 09 07.82777 | 20 25 10.10 | -15 27 29.4 |        | 610 |
| (5719) | 1996 09 10.80659 | 19 22 19.56 | -22 29 23.3 | 16.4 V | 610 |
| (5719) | 1996 09 10.81222 | 19 22 19.81 | -22 29 21.6 |        | 610 |
| (5719) | 1996 09 10.83757 | 19 22 20.94 | -22 29 13.7 |        | 610 |
| (6368) | 1996 07 21.96860 | 20 22 39.04 | -22 33 51.3 | 16.7 V | 610 |
| (6368) | 1996 07 21.97578 | 20 22 38.54 | -22 33 51.8 |        | 610 |
| (6368) | 1996 07 21.98457 | 20 22 37.93 | -22 33 52.4 |        | 610 |
| (6401) | 1996 07 22.00823 | 21 06 07.95 | -13 30 52.0 | 16.3 V | 610 |
| (6401) | 1996 07 22.01484 | 21 06 07.63 | -13 30 55.1 |        | 610 |
| (6401) | 1996 07 22.02378 | 21 06 07.21 | -13 30 59.3 |        | 610 |
| (6467) | 1996 09 10.95113 | 23 26 43.94 | -00 46 44.7 | 16.7 V | 610 |
| (6467) | 1996 09 10.98618 | 23 26 42.16 | -00 46 59.9 |        | 610 |
| (6467) | 1996 09 10.99133 | 23 26 41.90 | -00 47 02.0 |        | 610 |
| (7047) | 1996 07 21.87147 | 18 22 51.86 | +14 17 44.0 | 16.6 V | 610 |

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (7047) | 1996 07 21.87462 | 18 22 51.80 | +14 17 41.1 |        | 610 |
| (7083) | 1996 07 21.94520 | 19 52 23.40 | -11 38 06.9 | 16.6 V | 610 |
| (7083) | 1996 07 21.95229 | 19 52 22.94 | -11 38 07.3 |        | 610 |
| (7083) | 1996 07 21.96118 | 19 52 22.36 | -11 38 07.7 |        | 610 |
| (7133) | 1996 07 21.98847 | 20 54 06.35 | +06 28 24.1 | 16.2 V | 610 |
| (7133) | 1996 07 21.99517 | 20 54 06.05 | +06 28 22.6 |        | 610 |
| (7133) | 1996 07 22.00435 | 20 54 05.63 | +06 28 20.5 |        | 610 |

**619 Sabadell**

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[astrosab@redestb.es]

Observers F. Casarramona, P. Abellan, J. Puig, E. Vigil

Measurer F. Casarramona

0.51-m  $f/3.9$  reflector + CCD

GSC

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (2435) | 1996 09 10.02640 | 01 05 29.53 | +04 06 45.2 | 15.9 V | 619 |
| (2435) | 1996 09 10.04873 | 01 05 28.98 | +04 06 35.9 | 15.9 V | 619 |
| (2435) | 1996 09 24.02137 | 00 58 19.59 | +02 13 03.7 | 15.8 I | 619 |
| (2435) | 1996 09 24.03058 | 00 58 19.16 | +02 12 58.8 | 15.8 I | 619 |
| (2435) | 1996 09 24.06400 | 00 58 17.68 | +02 12 40.7 | 15.8 I | 619 |
| (3200) | 1996 10 04.97889 | 02 15 48.84 | +62 56 48.4 |        | 619 |
| (3200) | 1996 10 04.98941 | 02 15 42.85 | +62 56 32.2 | 15.3 R | 619 |
| (3200) | 1996 10 04.99397 | 02 15 40.47 | +62 56 25.4 |        | 619 |
| (3200) | 1996 10 11.97771 | 01 19 39.85 | +58 54 49.8 |        | 619 |
| (3200) | 1996 10 11.98618 | 01 19 36.13 | +58 54 28.5 | 15.1 V | 619 |
| (3200) | 1996 10 11.99787 | 01 19 31.27 | +58 53 59.5 |        | 619 |

**621 Bergisch Gladbach**

W. Bickel, Schau ins Land 21, D-51429 Bergisch Gladbach, Germany [0220455671-0001@t-online.de]

0.60-m  $f/5$  reflector + CCD

GSC, PPM

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RL <sub>26</sub> | * 1996 09 05.88610 | 23 15 00.70 | +04 28 45.8 | 18.7 V | 621 |
| 1996 RL <sub>26</sub> | 1996 09 05.89096   | 23 15 00.44 | +04 28 43.2 | 18.9 V | 621 |
| 1996 RL <sub>26</sub> | 1996 09 05.89582   | 23 15 00.21 | +04 28 41.6 | 18.7 V | 621 |
| 1996 RL <sub>26</sub> | 1996 09 05.92707   | 23 14 58.51 | +04 28 28.2 | 18.8 V | 621 |
| 1996 RL <sub>26</sub> | 1996 09 05.93193   | 23 14 58.22 | +04 28 26.1 | 18.9 V | 621 |
| 1996 RL <sub>26</sub> | 1996 09 05.93679   | 23 14 57.95 | +04 28 23.3 | 19.0 V | 621 |
| 1996 RL <sub>26</sub> | 1996 09 08.02912   | 23 13 08.08 | +04 12 49.1 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 08.04023   | 23 13 07.49 | +04 12 44.1 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 09.93513   | 23 11 28.28 | +03 58 07.2 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 09.94138   | 23 11 27.92 | +03 58 04.7 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 09.94763   | 23 11 27.57 | +03 58 01.6 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 09.95284   | 23 11 27.30 | +03 57 58.6 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 09.97297   | 23 11 26.17 | +03 57 49.4 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 16.87278   | 23 05 32.98 | +03 01 42.4 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 16.87764   | 23 05 32.72 | +03 01 39.9 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 09 16.92694   | 23 05 30.22 | +03 01 15.6 | 18.9 V | 621 |
| 1996 RL <sub>26</sub> | 1996 10 02.80701   | 22 54 43.21 | +00 51 47.0 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 10 02.81396   | 22 54 43.03 | +00 51 44.8 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 10 02.82090   | 22 54 42.75 | +00 51 40.3 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 10 02.82715   | 22 54 42.51 | +00 51 37.4 |        | 621 |
| 1996 RL <sub>26</sub> | 1996 10 04.86289   | 22 53 44.97 | +00 36 30.8 | 19.2 V | 621 |

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1996 RL <sub>26</sub> | 1996 10 04.86845 | 22 53 44.78 | +00 36 28.3 | 19.5 V | 621 |
| 1996 RL <sub>26</sub> | 1996 10 04.87539 | 22 53 44.68 | +00 36 25.7 | 19.4 V | 621 |

**626 Geel**

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

GSC

|       |                  |             |             |        |     |
|-------|------------------|-------------|-------------|--------|-----|
| (266) | 1996 10 07.85970 | 22 10 38.37 | +08 43 48.4 | 12.5 R | 626 |
| (266) | 1996 10 07.90759 | 22 10 37.90 | +08 43 21.6 | 12.2 R | 626 |
| (441) | 1996 10 07.87405 | 22 58 03.90 | +06 09 40.7 | 12.9 R | 626 |
| (441) | 1996 10 07.92554 | 22 58 02.25 | +06 09 21.4 | 12.9 R | 626 |
| (685) | 1996 10 07.88591 | 23 08 08.16 | +00 47 55.8 | 13.7 R | 626 |
| (685) | 1996 10 07.93819 | 23 08 06.97 | +00 47 36.2 | 13.7 R | 626 |
| (694) | 1996 10 07.83560 | 22 02 31.01 | +14 27 25.5 | 11.7 R | 626 |
| (694) | 1996 10 07.89358 | 22 02 32.75 | +14 26 31.8 | 11.3 R | 626 |
| (702) | 1996 10 04.92892 | 22 19 35.26 | +17 17 04.0 | 12.0 R | 626 |
| (702) | 1996 10 04.93539 | 22 19 35.04 | +17 17 01.9 | 12.1 R | 626 |

**657 Victoria, Climenhaga Observatory**

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V8W 3P6, Canada [universe@uvvm.uvic.ca]

Observer D. D. Balam

0.5-m reflector + CCD

GSC

|                      |                  |             |             |     |
|----------------------|------------------|-------------|-------------|-----|
| 1996 TW <sub>8</sub> | 1996 10 17.26243 | 23 36 07.06 | +34 04 49.7 | 657 |
| 1996 TW <sub>8</sub> | 1996 10 17.26446 | 23 36 06.93 | +34 04 49.6 | 657 |
| 1996 TW <sub>8</sub> | 1996 10 17.26670 | 23 36 06.81 | +34 04 48.7 | 657 |
| 1996 TW <sub>8</sub> | 1996 10 17.26862 | 23 36 06.80 | +34 04 47.5 | 657 |
| 1996 TX <sub>8</sub> | 1996 10 17.25223 | 23 29 38.54 | +35 07 52.1 | 657 |
| 1996 TX <sub>8</sub> | 1996 10 17.25551 | 23 29 38.38 | +35 07 52.5 | 657 |
| 1996 TX <sub>8</sub> | 1996 10 17.25723 | 23 29 38.21 | +35 07 50.7 | 657 |
| 1996 TX <sub>8</sub> | 1996 10 17.25922 | 23 29 37.95 | +35 07 51.5 | 657 |

**658 Dominion Astrophysical Observatory, Victoria**

J. B. Tatum, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC

V8W 3P6, Canada [universe@uvvm.uvic.ca]

Observer G. C. L. Aikman

Measurers D. D. Balam, G. C. L. Aikman

1.82-m Plaskett telescope + CCD

GSC

|                      |                  |             |             |     |
|----------------------|------------------|-------------|-------------|-----|
| 1989 RS <sub>1</sub> | 1996 09 22.32905 | 23 13 08.27 | -07 21 09.0 | 658 |
| 1989 RS <sub>1</sub> | 1996 09 22.33043 | 23 13 08.53 | -07 21 11.1 | 658 |
| 1989 RS <sub>1</sub> | 1996 09 22.33267 | 23 13 08.93 | -07 21 14.5 | 658 |
| 1989 UQ              | 1996 09 22.34015 | 03 04 03.71 | +16 09 38.3 | 658 |
| 1989 UQ              | 1996 09 22.34277 | 03 04 03.44 | +16 09 36.3 | 658 |
| 1989 UQ              | 1996 09 22.35275 | 03 04 02.50 | +16 09 29.0 | 658 |
| 1991 BB              | 1996 09 25.13861 | 16 12 35.89 | -07 16 30.0 | 658 |
| 1991 BB              | 1996 09 25.14222 | 16 12 36.88 | -07 16 22.9 | 658 |
| 1996 OE <sub>2</sub> | 1996 09 25.33123 | 23 36 27.93 | +19 25 51.7 | 658 |
| 1996 OE <sub>2</sub> | 1996 09 25.33691 | 23 36 27.62 | +19 25 50.1 | 658 |
| 1996 OE <sub>2</sub> | 1996 09 25.35906 | 23 36 26.41 | +19 25 44.3 | 658 |
| 1996 OM <sub>2</sub> | 1996 09 25.16307 | 19 46 51.58 | -12 03 08.9 | 658 |
| 1996 RJ              | 1996 09 25.25854 | 21 53 32.95 | +27 04 43.2 | 658 |

|                      |                    |             |             |            |
|----------------------|--------------------|-------------|-------------|------------|
| 1996 RJ              | 1996 09 25.26466   | 21 53 32.83 | +27 04 41.3 | 658        |
| 1996 RJ              | 1996 09 25.27566   | 21 53 32.56 | +27 04 37.8 | 658        |
| 1996 RQ              | 1996 09 25.22696   | 21 43 15.11 | +25 07 22.1 | 658        |
| 1996 RQ              | 1996 09 25.23725   | 21 43 14.80 | +25 07 15.6 | 658        |
| 1996 RQ              | 1996 09 25.24897   | 21 43 14.42 | +25 07 08.3 | 658        |
| 1996 RQ              | 1996 09 26.26634   | 21 42 47.67 | +24 56 31.6 | 658        |
| 1996 RQ              | 1996 09 26.32207   | 21 42 46.15 | +24 55 56.2 | 658        |
| 1996 RN <sub>2</sub> | 1996 09 25.28611   | 22 47 35.72 | +32 59 52.6 | 658        |
| 1996 RN <sub>2</sub> | 1996 09 25.29098   | 22 47 35.43 | +32 59 50.8 | 658        |
| 1996 RN <sub>2</sub> | 1996 09 25.29364   | 22 47 35.21 | +32 59 49.4 | 658        |
| 1996 RN <sub>2</sub> | 1996 09 25.30140   | 22 47 34.69 | +32 59 46.2 | 658        |
| 1996 RR <sub>2</sub> | 1996 09 25.30626   | 23 28 03.96 | +36 33 23.9 | 658        |
| 1996 RR <sub>2</sub> | 1996 09 25.32061   | 23 28 02.53 | +36 33 23.0 | 658        |
| 1996 RR <sub>2</sub> | 1996 09 25.32279   | 23 28 02.34 | +36 33 23.1 | 658        |
| 1996 RR <sub>2</sub> | 1996 09 25.32692   | 23 28 01.93 | +36 33 22.8 | 658        |
| 1996 RF <sub>4</sub> | 1996 09 25.38625   | 00 38 20.20 | -01 55 38.0 | 658        |
| 1996 RF <sub>4</sub> | 1996 09 25.39241   | 00 38 19.96 | -01 55 42.7 | 658        |
| 1996 RF <sub>4</sub> | 1996 09 25.40655   | 00 38 19.41 | -01 55 53.3 | 658        |
| 1996 RF <sub>4</sub> | 1996 09 25.43052   | 00 38 18.43 | -01 56 11.5 | 658        |
| 1996 RR <sub>5</sub> | 1996 09 25.18235   | 20 27 27.06 | +20 06 37.7 | 658        |
| 1996 RR <sub>5</sub> | 1996 09 25.18682   | 20 27 27.20 | +20 06 35.2 | 658        |
| 1996 RR <sub>5</sub> | 1996 09 25.19949   | 20 27 27.55 | +20 06 29.1 | 658        |
| 1996 RR <sub>5</sub> | 1996 09 26.22524   | 20 27 59.50 | +19 57 57.6 | 658        |
| 1996 RR <sub>5</sub> | 1996 09 26.23679   | 20 27 59.82 | +19 57 52.0 | 658        |
| 1996 RR <sub>5</sub> | 1996 09 26.23935   | 20 27 59.93 | +19 57 50.7 | 658        |
| 1996 RR <sub>5</sub> | 1996 10 17.11531   | 20 46 25.93 | +17 05 29.8 | 658        |
| 1996 RR <sub>5</sub> | 1996 10 17.11764   | 20 46 26.09 | +17 05 28.9 | 658        |
| 1996 RR <sub>5</sub> | 1996 10 17.12141   | 20 46 26.34 | +17 05 26.6 | 658        |
| 1996 SK              | 1996 09 22.25199   | 22 47 22.62 | -05 37 48.1 | 658        |
| 1996 SK              | 1996 09 22.26363   | 22 47 20.92 | -05 37 58.2 | 658        |
| 1996 SK              | 1996 09 22.26741   | 22 47 20.42 | -05 38 02.8 | 658        |
| 1996 SY <sub>4</sub> | * 1996 09 25.36693 | 00 38 31.33 | -01 55 35.4 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 25.36926   | 00 38 31.19 | -01 55 35.9 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 25.37630   | 00 38 30.83 | -01 55 37.8 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 25.38625   | 00 38 30.27 | -01 55 41.1 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 25.39241   | 00 38 29.93 | -01 55 42.7 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 25.40655   | 00 38 29.17 | -01 55 46.2 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 25.43052   | 00 38 27.89 | -01 55 52.7 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 26.33227   | 00 37 42.13 | -01 59 44.7 | 17.0 R 658 |
| 1996 SY <sub>4</sub> | 1996 09 26.33963   | 00 37 41.69 | -01 59 46.9 | 658        |
| 1996 SY <sub>4</sub> | 1996 09 26.34619   | 00 37 41.42 | -01 59 48.4 | 658        |
| 1996 SY <sub>4</sub> | 1996 10 17.21433   | 00 20 54.45 | -03 02 59.5 | 658        |
| 1996 SY <sub>4</sub> | 1996 10 17.21656   | 00 20 54.35 | -03 02 59.6 | 658        |
| 1996 SY <sub>4</sub> | 1996 10 17.22760   | 00 20 53.89 | -03 03 00.6 | 658        |
| 1996 TY <sub>9</sub> | 1996 10 17.31321   | 00 47 37.67 | +50 11 42.4 | 658        |
| 1996 TY <sub>9</sub> | 1996 10 17.31771   | 00 47 37.30 | +50 11 38.7 | 658        |
| 1996 TY <sub>9</sub> | 1996 10 17.32395   | 00 47 36.79 | +50 11 33.7 | 658        |
| (3908)               | 1996 09 25.20473   | 20 54 41.38 | +03 01 35.1 | 658        |
| (3908)               | 1996 09 25.21433   | 20 54 41.80 | +03 01 50.5 | 658        |

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0.6-m reflector + CCD

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 RG <sub>3</sub> | 1996 10 14.17737 | 22 00 34.37 | -16 52 10.1 | 19.6 R | 673 |
| 1996 RG <sub>3</sub> | 1996 10 14.18900 | 22 00 33.12 | -16 52 20.2 |        | 673 |
| 1996 SK              | 1996 10 13.17517 | 21 59 54.89 | -10 43 37.7 |        | 673 |
| 1996 SK              | 1996 10 13.18171 | 21 59 54.20 | -10 43 41.7 |        | 673 |
| 1996 TQ <sub>6</sub> | 1996 10 14.43900 | 01 55 30.70 | -00 18 36.2 | 19.9 R | 673 |
| 1996 TQ <sub>6</sub> | 1996 10 14.44525 | 01 55 30.80 | -00 18 41.2 |        | 673 |
| 1996 TR <sub>6</sub> | 1996 10 14.47118 | 03 52 36.29 | +01 46 58.4 | 20.0 R | 673 |
| 1996 TR <sub>6</sub> | 1996 10 14.47662 | 03 52 36.04 | +01 46 45.7 |        | 673 |
| 1996 TD <sub>8</sub> | 1996 10 13.41938 | 01 41 19.05 | +16 41 02.3 | 16.6 R | 673 |
| 1996 TD <sub>8</sub> | 1996 10 13.43044 | 01 41 18.90 | +16 40 46.8 |        | 673 |
| 1996 TA <sub>9</sub> | 1996 10 13.44497 | 01 47 26.62 | +11 32 25.3 | 18.9 V | 673 |
| 1996 TA <sub>9</sub> | 1996 10 13.45104 | 01 47 26.26 | +11 32 35.7 |        | 673 |
| 1996 TA <sub>9</sub> | 1996 10 14.39074 | 01 46 36.34 | +12 00 38.7 | 19.7 R | 673 |
| 1996 TA <sub>9</sub> | 1996 10 14.40567 | 01 46 35.46 | +12 01 06.6 | 19.6 R | 673 |
| 1996 TE <sub>9</sub> | 1996 10 14.22755 | 23 08 53.25 | -04 25 05.8 | 17.5 R | 673 |
| 1996 TE <sub>9</sub> | 1996 10 14.23119 | 23 08 52.85 | -04 24 47.5 |        | 673 |
| 1996 TQ <sub>9</sub> | 1996 10 14.32569 | 01 34 35.92 | +02 10 07.6 | 18.1 R | 673 |
| 1996 TQ <sub>9</sub> | 1996 10 14.33414 | 01 34 34.97 | +02 10 11.1 |        | 673 |

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Observers D. Brown (2, H), T. Gehrels (4, L), E. F. Helin (2, H), D. L. Rabinowitz (2, H)

Measurers D. L. Rabinowitz (2), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4)

5-m Hale reflector (H), 1.2-m Oschin Schmidt (L)

|                       |                    |             |             |        |       |
|-----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 RQ <sub>20</sub> | * 1996 09 06.23421 | 00 43 56.23 | +04 27 44.6 | 22.6 R | 2 675 |
| 1996 RQ <sub>20</sub> | 1996 09 06.28925   | 00 43 56.00 | +04 27 43.5 |        | 2 675 |
| 1996 RQ <sub>20</sub> | 1996 09 06.36167   | 00 43 55.65 | +04 27 42.1 |        | 2 675 |
| 1996 RQ <sub>20</sub> | 1996 09 06.42944   | 00 43 55.34 | +04 27 41.2 |        | 2 675 |
| 2607 P-L              | * 1960 09 24.46184 | 00 41 40.27 | +05 38 56.5 | 17.7   | 4 675 |
| 2607 P-L              | 1960 09 26.37988   | 00 40 19.65 | +05 23 17.5 |        | 4 675 |
| 2607 P-L              | 1960 09 28.36808   | 00 38 54.08 | +05 06 45.7 |        | 4 675 |
| 2607 P-L              | 1960 09 28.43822   | 00 38 50.87 | +05 06 10.1 |        | 4 675 |
| 2607 P-L              | 1960 10 17.31529   | 00 25 29.42 | +02 27 05.8 |        | 4 675 |
| 2607 P-L              | 1960 10 22.26809   | 00 22 37.38 | +01 49 47.9 |        | 4 675 |
| 2607 P-L              | 1960 10 25.30351   | 00 21 06.50 | +01 28 51.6 |        | 4 675 |
| 2607 P-L              | 1960 10 26.35766   | 00 20 37.76 | +01 21 57.5 |        | 4 675 |
| 4522 P-L              | * 1960 09 24.41183 | 00 32 55.07 | +03 26 03.7 | 18.1   | 4 675 |
| 4522 P-L              | 1960 09 26.31530   | 00 31 14.88 | +03 19 53.8 |        | 4 675 |
| 4522 P-L              | 1960 09 27.40836   | 00 30 16.64 | +03 16 19.0 |        | 4 675 |
| 4522 P-L              | 1960 09 28.39725   | 00 29 23.98 | +03 13 02.7 |        | 4 675 |
| 4522 P-L              | 1960 10 17.27085   | 00 13 38.10 | +02 14 57.8 |        | 4 675 |
| 4522 P-L              | 1960 10 22.22293   | 00 10 16.93 | +02 03 39.2 |        | 4 675 |
| 4522 P-L              | 1960 10 24.35836   | 00 08 59.24 | +01 59 37.0 |        | 4 675 |
| 4522 P-L              | 1960 10 26.32573   | 00 07 53.39 | +01 56 22.6 |        | 4 675 |
| 6700 P-L              | * 1960 09 24.35002 | 23 57 28.93 | -01 44 02.5 | 19.4   | 4 675 |

|          |                    |             |             |      |       |
|----------|--------------------|-------------|-------------|------|-------|
| 6700 P-L | 1960 09 26.28543   | 23 55 49.01 | -01 52 00.5 |      | 4 675 |
| 6700 P-L | 1960 09 27.34237   | 23 54 54.71 | -01 56 16.5 |      | 4 675 |
| 6700 P-L | 1960 09 28.33822   | 23 54 03.80 | -02 00 16.9 |      | 4 675 |
| 6700 P-L | 1960 10 17.22501   | 23 40 13.40 | -02 59 49.5 |      | 4 675 |
| 6700 P-L | 1960 10 22.16324   | 23 37 41.83 | -03 08 12.9 |      | 4 675 |
| 6700 P-L | 1960 10 26.27157   | 23 36 02.66 | -03 12 25.5 |      | 4 675 |
| 6809 P-L | * 1960 09 24.35002 | 00 12 10.62 | -00 40 45.4 | 19.3 | 4 675 |
| 6809 P-L | 1960 09 26.28543   | 00 10 16.07 | -00 52 41.3 |      | 4 675 |
| 6809 P-L | 1960 09 27.34237   | 00 09 13.64 | -00 59 05.4 |      | 4 675 |
| 6809 P-L | 1960 09 28.33822   | 00 08 15.39 | -01 05 05.6 |      | 4 675 |
| 6809 P-L | 1960 10 26.27157   | 23 48 02.43 | -02 58 50.3 |      | 4 675 |
| 1055 T-2 | 1973 09 19.18611   | 00 10 01.41 | +01 39 04.5 |      | 4 675 |
| 1055 T-2 | 1973 09 19.23785   | 00 09 58.76 | +01 38 53.2 |      | 4 675 |
| 1055 T-2 | 1973 09 20.22847   | 00 09 09.31 | +01 34 41.9 |      | 4 675 |
| 1055 T-2 | 1973 09 24.34688   | 00 05 41.19 | +01 17 05.4 |      | 4 675 |
| 1055 T-2 | 1973 09 24.41597   | 00 05 37.52 | +01 16 48.0 |      | 4 675 |
| 1055 T-2 | 1973 09 25.24375   | 00 04 55.86 | +01 13 15.2 |      | 4 675 |
| 1055 T-2 | 1973 09 25.30729   | 00 04 52.73 | +01 12 58.4 |      | 4 675 |
| 1055 T-2 | * 1973 09 29.25330 | 00 01 35.08 | +00 56 02.7 | 18.7 | 4 675 |
| 1055 T-2 | 1973 09 29.31806   | 00 01 31.78 | +00 55 45.3 |      | 4 675 |
| 1055 T-2 | 1973 09 30.21007   | 00 00 47.87 | +00 52 00.4 |      | 4 675 |
| 1055 T-2 | 1973 09 30.27431   | 00 00 44.60 | +00 51 43.7 |      | 4 675 |
| 1055 T-2 | 1973 10 04.28958   | 23 57 31.83 | +00 35 10.1 |      | 4 675 |
| 1055 T-2 | 1973 10 04.35208   | 23 57 28.83 | +00 34 54.5 |      | 4 675 |
| 1055 T-2 | 1973 10 05.31684   | 23 56 44.07 | +00 31 05.9 |      | 4 675 |
| 1055 T-2 | 1973 10 05.37917   | 23 56 41.03 | +00 30 49.7 |      | 4 675 |
| 2034 T-2 | 1973 09 19.19948   | 00 31 09.71 | +02 08 39.6 |      | 4 675 |
| 2034 T-2 | 1973 09 19.22500   | 00 31 08.52 | +02 08 33.0 |      | 4 675 |
| 2034 T-2 | 1973 09 19.25006   | 00 31 07.52 | +02 08 26.1 |      | 4 675 |
| 2034 T-2 | 1973 09 19.27865   | 00 31 06.14 | +02 08 17.8 |      | 4 675 |
| 2034 T-2 | 1973 09 20.30278   | 00 30 23.49 | +02 03 47.5 |      | 4 675 |
| 2034 T-2 | 1973 09 24.36181   | 00 27 30.11 | +01 45 32.0 |      | 4 675 |
| 2034 T-2 | 1973 09 24.38750   | 00 27 28.97 | +01 45 26.4 |      | 4 675 |
| 2034 T-2 | 1973 09 24.42847   | 00 27 27.20 | +01 45 14.0 |      | 4 675 |
| 2034 T-2 | 1973 09 24.45434   | 00 27 26.02 | +01 45 07.7 |      | 4 675 |
| 2034 T-2 | 1973 09 25.25642   | 00 26 51.53 | +01 41 27.7 |      | 4 675 |
| 2034 T-2 | 1973 09 25.28125   | 00 26 50.20 | +01 41 21.4 |      | 4 675 |
| 2034 T-2 | 1973 09 25.32031   | 00 26 48.62 | +01 41 09.7 |      | 4 675 |
| 2034 T-2 | 1973 09 25.34601   | 00 26 47.29 | +01 41 04.0 |      | 4 675 |
| 2034 T-2 | 1973 09 29.26632   | 00 23 55.71 | +01 23 08.4 |      | 4 675 |
| 2034 T-2 | 1973 09 29.29219   | 00 23 54.64 | +01 22 58.8 |      | 4 675 |
| 2034 T-2 | * 1973 09 29.33073 | 00 23 52.80 | +01 22 51.0 | 18.9 | 4 675 |
| 2034 T-2 | 1973 09 29.35694   | 00 23 51.72 | +01 22 42.1 |      | 4 675 |
| 2034 T-2 | 1973 09 30.21007   | 00 23 14.24 | +01 18 48.8 |      | 4 675 |
| 2034 T-2 | 1973 09 30.22257   | 00 23 13.86 | +01 18 47.5 |      | 4 675 |
| 2034 T-2 | 1973 09 30.24826   | 00 23 12.59 | +01 18 39.9 |      | 4 675 |
| 2034 T-2 | 1973 09 30.27431   | 00 23 11.28 | +01 18 31.6 |      | 4 675 |
| 2034 T-2 | 1973 09 30.28785   | 00 23 10.86 | +01 18 27.9 |      | 4 675 |
| 2034 T-2 | 1973 09 30.31476   | 00 23 09.64 | +01 18 22.6 |      | 4 675 |
| 2034 T-2 | 1973 10 04.30208   | 00 20 14.94 | +01 00 19.5 |      | 4 675 |
| 2034 T-2 | 1973 10 04.32708   | 00 20 13.68 | +01 00 09.9 |      | 4 675 |
| 2034 T-2 | 1973 10 04.36476   | 00 20 12.25 | +00 59 59.5 |      | 4 675 |

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|----------|--------------------|-------------|-------------|------------|
| 2034 T-2 | 1973 10 04.38889   | 00 20 11.03 | +00 59 55.3 | 4 675      |
| 2034 T-2 | 1973 10 05.31684   | 00 19 30.80 | +00 55 42.7 | 4 675      |
| 2034 T-2 | 1973 10 05.32917   | 00 19 30.34 | +00 55 41.2 | 4 675      |
| 2034 T-2 | 1973 10 05.35382   | 00 19 29.05 | +00 55 35.7 | 4 675      |
| 2034 T-2 | 1973 10 05.37917   | 00 19 28.07 | +00 55 26.7 | 4 675      |
| 2034 T-2 | 1973 10 05.39132   | 00 19 27.43 | +00 55 25.1 | 4 675      |
| 2034 T-2 | 1973 10 05.41597   | 00 19 26.32 | +00 55 18.3 | 4 675      |
| 3163 T-2 | 1973 09 19.21250   | 00 18 27.15 | -03 09 07.0 | 4 675      |
| 3163 T-2 | 1973 09 19.26354   | 00 18 24.91 | -03 09 19.7 | 4 675      |
| 3163 T-2 | 1973 09 20.27795   | 00 17 42.26 | -03 13 55.3 | 4 675      |
| 3163 T-2 | 1973 09 24.37431   | 00 14 47.73 | -03 32 06.4 | 4 675      |
| 3163 T-2 | 1973 09 24.44167   | 00 14 44.91 | -03 32 24.5 | 4 675      |
| 3163 T-2 | 1973 09 25.26875   | 00 14 09.70 | -03 36 02.2 | 4 675      |
| 3163 T-2 | 1973 09 25.33299   | 00 14 06.78 | -03 36 18.3 | 4 675      |
| 3163 T-2 | 1973 09 29.27986   | 00 11 18.18 | -03 53 11.3 | 4 675      |
| 3163 T-2 | 1973 09 29.34375   | 00 11 15.31 | -03 53 28.1 | 4 675      |
| 3163 T-2 | 1973 09 30.23524   | 00 10 37.66 | -03 57 10.9 | 4 675      |
| 3163 T-2 | * 1973 09 30.30174 | 00 10 34.60 | -03 57 28.3 | 19.2 4 675 |
| 3163 T-2 | 1973 10 04.31493   | 00 07 46.23 | -04 13 33.2 | 4 675      |
| 3163 T-2 | 1973 10 04.37674   | 00 07 43.54 | -04 13 49.4 | 4 675      |
| 3163 T-2 | 1973 10 05.34167   | 00 07 03.82 | -04 17 30.6 | 4 675      |
| 3163 T-2 | 1973 10 05.40347   | 00 07 01.22 | -04 17 43.9 | 4 675      |
| 4283 T-2 | 1973 09 19.19948   | 00 48 48.22 | +01 31 59.6 | 4 675      |
| 4283 T-2 | 1973 09 19.22500   | 00 48 47.26 | +01 31 53.8 | 4 675      |
| 4283 T-2 | 1973 09 19.25006   | 00 48 46.25 | +01 31 45.6 | 4 675      |
| 4283 T-2 | 1973 09 19.27865   | 00 48 45.06 | +01 31 38.7 | 4 675      |
| 4283 T-2 | 1973 09 20.30278   | 00 48 04.87 | +01 26 52.2 | 4 675      |
| 4283 T-2 | 1973 09 24.38750   | 00 45 19.13 | +01 07 32.8 | 4 675      |
| 4283 T-2 | 1973 09 24.45434   | 00 45 16.26 | +01 07 14.2 | 4 675      |
| 4283 T-2 | 1973 09 25.28125   | 00 44 42.02 | +01 03 16.8 | 4 675      |
| 4283 T-2 | 1973 09 25.34601   | 00 44 39.24 | +01 02 56.7 | 4 675      |
| 4283 T-2 | * 1973 09 29.29219 | 00 41 51.64 | +00 43 55.3 | 19.0 4 675 |
| 4283 T-2 | 1973 09 29.35694   | 00 41 48.82 | +00 43 38.6 | 4 675      |
| 4283 T-2 | 1973 09 30.31476   | 00 41 07.67 | +00 39 02.0 | 4 675      |
| 4283 T-2 | 1973 10 04.32708   | 00 38 13.68 | +00 19 54.1 | 4 675      |
| 4283 T-2 | 1973 10 04.38889   | 00 38 10.81 | +00 19 37.4 | 4 675      |
| 4283 T-2 | 1973 10 05.35382   | 00 37 28.84 | +00 15 04.3 | 4 675      |
| 4283 T-2 | 1973 10 05.41597   | 00 37 26.06 | +00 14 46.9 | 4 675      |
| 5159 T-2 | 1973 09 20.21458   | 00 26 01.05 | +12 52 10.6 | 4 675      |
| 5159 T-2 | 1973 09 20.29253   | 00 25 58.65 | +12 52 00.9 | 4 675      |
| 5159 T-2 | 1973 09 24.40035   | 00 23 51.27 | +12 43 51.3 | 4 675      |
| 5159 T-2 | 1973 09 24.47986   | 00 23 48.83 | +12 43 40.9 | 4 675      |
| 5159 T-2 | * 1973 09 25.29375 | 00 23 23.45 | +12 41 55.8 | 18.7 4 675 |
| 5159 T-2 | 1973 09 25.35903   | 00 23 21.29 | +12 41 46.7 | 4 675      |
| 5159 T-2 | 1973 09 29.24062   | 00 21 19.61 | +12 32 56.4 | 4 675      |
| 5159 T-2 | 1973 09 29.30486   | 00 21 17.54 | +12 32 47.3 | 4 675      |
| 5159 T-2 | 1973 09 30.19722   | 00 20 49.60 | +12 30 37.3 | 4 675      |
| 5159 T-2 | 1973 09 30.35295   | 00 20 44.55 | +12 30 15.0 | 4 675      |
| 5159 T-2 | 1973 10 04.27708   | 00 18 41.76 | +12 20 24.4 | 4 675      |
| 5159 T-2 | 1973 10 04.33906   | 00 18 39.79 | +12 20 15.2 | 4 675      |
| 5159 T-2 | 1973 10 05.36632   | 00 18 08.01 | +12 17 36.9 | 4 675      |
| 5159 T-2 | 1973 10 05.42847   | 00 18 06.04 | +12 17 25.6 | 4 675      |

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0.46-m *f*/4.5 reflector + CCD

GSC

|                       |                  |             |             |        |       |
|-----------------------|------------------|-------------|-------------|--------|-------|
| 1976 UB <sub>2</sub>  | 1996 10 11.30981 | 03 26 46.27 | +19 57 36.6 | 17.0 R | 684   |
| 1976 UB <sub>2</sub>  | 1996 10 11.31463 | 03 26 46.11 | +19 57 36.2 |        | 684   |
| 1976 UB <sub>2</sub>  | 1996 10 11.31918 | 03 26 45.97 | +19 57 35.7 |        | 684   |
| 1976 UB <sub>2</sub>  | 1996 10 12.30471 | 03 26 15.38 | +19 55 52.0 |        | 684   |
| 1976 UB <sub>2</sub>  | 1996 10 12.30973 | 03 26 15.21 | +19 55 51.4 | 17.1 R | 684   |
| 1976 UB <sub>2</sub>  | 1996 10 12.31453 | 03 26 15.05 | +19 55 50.8 |        | 684   |
| 1976 UP <sub>2</sub>  | 1996 10 09.35891 | 03 15 48.70 | +19 17 41.6 | 16.9 R | 684   |
| 1976 UP <sub>2</sub>  | 1996 10 09.36498 | 03 15 48.53 | +19 17 42.9 |        | 684   |
| 1976 UP <sub>2</sub>  | 1996 10 09.37991 | 03 15 48.11 | +19 17 46.4 |        | 684   |
| 1976 UP <sub>2</sub>  | 1996 10 10.27535 | 03 15 24.93 | +19 21 03.6 | 16.3 R | 684   |
| 1976 UP <sub>2</sub>  | 1996 10 10.28205 | 03 15 24.73 | +19 21 05.1 |        | 684   |
| 1977 FN               | 1996 09 23.39596 | 01 26 47.39 | +27 15 37.5 |        | I 684 |
| 1977 FN               | 1996 09 23.41424 | 01 26 46.55 | +27 15 34.4 |        | I 684 |
| 1977 FN               | 1996 10 01.21259 | 01 20 34.55 | +26 50 12.6 | 17.3 R | 684   |
| 1977 FN               | 1996 10 01.21659 | 01 20 34.35 | +26 50 11.7 |        | 684   |
| 1977 FN               | 1996 10 01.22053 | 01 20 34.13 | +26 50 10.7 |        | 684   |
| 1984 SR <sub>5</sub>  | 1996 10 07.31284 | 01 04 23.36 | +06 39 41.9 | 16.5 R | 684   |
| 1984 SR <sub>5</sub>  | 1996 10 07.34079 | 01 04 21.99 | +06 39 37.1 |        | 684   |
| 1984 SR <sub>5</sub>  | 1996 10 08.30690 | 01 03 35.99 | +06 36 49.2 | 16.5 R | 684   |
| 1984 SR <sub>5</sub>  | 1996 10 08.31470 | 01 03 35.60 | +06 36 47.7 |        | 684   |
| 1984 SR <sub>5</sub>  | 1996 10 08.32875 | 01 03 34.91 | +06 36 45.3 |        | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 05.30213 | 02 42 51.05 | +05 04 05.6 | 16.0 R | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 05.30913 | 02 42 50.80 | +05 04 04.1 |        | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 05.31552 | 02 42 50.57 | +05 04 02.6 |        | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 06.32814 | 02 42 15.62 | +05 00 06.9 | 16.1 R | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 06.33435 | 02 42 15.39 | +05 00 05.4 |        | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 06.34179 | 02 42 15.12 | +05 00 03.7 |        | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 07.35210 | 02 41 39.03 | +04 56 07.7 | 16.2 R | 684   |
| 1985 UW <sub>4</sub>  | 1996 10 07.36067 | 02 41 38.70 | +04 56 05.7 |        | 684   |
| 1991 GY <sub>3</sub>  | 1996 10 08.24735 | 23 48 05.38 | -02 34 19.8 | 18.8 R | 684   |
| 1991 GY <sub>3</sub>  | 1996 10 08.25914 | 23 48 04.79 | -02 34 22.5 |        | 684   |
| 1991 GY <sub>3</sub>  | 1996 10 08.26602 | 23 48 04.44 | -02 34 24.2 |        | 684   |
| 1991 GY <sub>3</sub>  | 1996 10 09.24346 | 23 47 16.62 | -02 38 22.0 | 18.9 R | 684   |
| 1991 GY <sub>3</sub>  | 1996 10 09.24969 | 23 47 16.28 | -02 38 23.4 |        | 684   |
| 1991 GY <sub>3</sub>  | 1996 10 09.25558 | 23 47 16.02 | -02 38 25.0 |        | 684   |
| 1992 WX <sub>2</sub>  | 1996 10 07.32725 | 01 42 40.95 | +10 54 26.8 | 17.2 R | 684   |
| 1992 WX <sub>2</sub>  | 1996 10 07.33319 | 01 42 40.66 | +10 54 24.7 |        | 684   |
| 1994 GC <sub>1</sub>  | 1996 10 06.24807 | 23 55 16.96 | -04 09 36.4 | 17.6 R | E 684 |
| 1994 GC <sub>1</sub>  | 1996 10 06.25647 | 23 55 16.60 | -04 09 38.4 |        | E 684 |
| 1994 GC <sub>1</sub>  | 1996 10 07.29406 | 23 54 34.96 | -04 13 40.1 | 17.7 R | 684   |
| 1994 GC <sub>1</sub>  | 1996 10 07.30286 | 23 54 34.59 | -04 13 42.2 |        | 684   |
| 1995 FX <sub>14</sub> | 1996 10 01.12394 | 20 41 04.04 | -24 44 11.0 | 17.9 R | 684   |
| 1995 FX <sub>14</sub> | 1996 10 01.13207 | 20 41 04.34 | -24 44 09.0 |        | 684   |
| 1995 FX <sub>14</sub> | 1996 10 01.13992 | 20 41 04.66 | -24 44 07.2 |        | 684   |
| 1995 FX <sub>14</sub> | 1996 10 02.14645 | 20 41 46.38 | -24 39 32.7 |        | I 684 |
| 1995 FX <sub>14</sub> | 1996 10 02.15378 | 20 41 46.64 | -24 39 31.0 |        | I 684 |
| 1995 FX <sub>14</sub> | 1996 10 02.16134 | 20 41 46.94 | -24 39 28.1 |        | 684   |

|                      |                    |             |             |        |     |                      |                    |             |             |        |       |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-------|
| 1995 ON              | 1996 10 13.33434   | 04 57 25.62 | +13 21 43.0 | 18.4 R | 684 | 1996 SN <sub>7</sub> | 1996 10 02.21176   | 01 18 45.87 | +27 03 49.3 |        | 684   |
| 1995 ON              | 1996 10 13.34185   | 04 57 25.58 | +13 21 41.8 |        | 684 | 1996 SN <sub>7</sub> | 1996 10 02.21980   | 01 18 45.48 | +27 03 47.9 | 19.2 R | 684   |
| 1995 ON              | 1996 10 13.34762   | 04 57 25.55 | +13 21 41.0 |        | 684 | 1996 SN <sub>7</sub> | 1996 10 02.22706   | 01 18 45.09 | +27 03 47.0 |        | 684   |
| 1996 PD              | 1996 10 01.10325   | 20 44 54.19 | -26 07 55.7 | 17.0 R | 684 | 1996 TJ              | * 1996 10 03.18252 | 23 50 52.15 | -03 03 36.3 | 18.5 R | E 684 |
| 1996 PD              | 1996 10 01.10927   | 20 44 54.38 | -26 07 54.9 |        | 684 | 1996 TJ              | 1996 10 03.18881   | 23 50 51.78 | -03 03 34.0 |        | E 684 |
| 1996 PD              | 1996 10 01.11389   | 20 44 54.53 | -26 07 54.3 |        | 684 | 1996 TJ              | 1996 10 03.19442   | 23 50 51.47 | -03 03 32.3 |        | E 684 |
| 1996 PE              | 1996 10 02.11947   | 20 41 08.87 | -22 22 03.5 | 18.1 R | 684 | 1996 TJ              | 1996 10 04.30734   | 23 49 53.79 | -02 57 49.9 |        | 684   |
| 1996 PE              | 1996 10 02.12734   | 20 41 09.08 | -22 22 02.5 |        | 684 | 1996 TJ              | 1996 10 04.32318   | 23 49 52.94 | -02 57 44.8 |        | 684   |
| 1996 PE              | 1996 10 02.13447   | 20 41 09.24 | -22 22 01.7 |        | 684 | 1996 TJ              | 1996 10 09.28517   | 23 46 06.51 | -02 31 05.4 | 18.7 R | 684   |
| 1996 PA <sub>1</sub> | 1996 10 02.17388   | 20 46 14.12 | -21 49 35.0 | 17.4 R | 684 | 1996 TJ              | 1996 10 09.29159   | 23 46 06.17 | -02 31 03.3 |        | 684   |
| 1996 PA <sub>1</sub> | 1996 10 02.18786   | 20 46 14.58 | -21 49 35.2 |        | 684 | 1996 TJ              | 1996 10 09.29911   | 23 46 05.85 | -02 31 00.8 |        | 684   |
| 1996 PA <sub>1</sub> | 1996 10 02.19463   | 20 46 14.82 | -21 49 35.2 |        | 684 | 1996 TK              | * 1996 10 03.20459 | 23 52 53.06 | -04 06 48.7 | 18.7 R | 684   |
| 1996 RH <sub>3</sub> | 1996 10 03.24318   | 23 58 00.86 | -03 32 19.3 | 19.1 R | 684 | 1996 TK              | 1996 10 03.21391   | 23 52 52.60 | -04 06 51.4 |        | 684   |
| 1996 RH <sub>3</sub> | 1996 10 03.25197   | 23 58 00.51 | -03 32 21.6 |        | 684 | 1996 TK              | 1996 10 04.19759   | 23 52 06.50 | -04 10 05.7 |        | 684   |
| 1996 RH <sub>3</sub> | 1996 10 04.25912   | 23 57 20.62 | -03 37 24.3 |        | 684 | 1996 TK              | 1996 10 04.20678   | 23 52 06.04 | -04 10 07.3 |        | 684   |
| 1996 RH <sub>3</sub> | 1996 10 04.29238   | 23 57 19.27 | -03 37 34.4 |        | 684 | 1996 TK              | 1996 10 08.27350   | 23 49 06.17 | -04 21 50.6 | 19.3 R | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 01.14792   | 20 37 45.75 | -23 44 31.0 | 17.4 R | 684 | 1996 TK              | 1996 10 08.27975   | 23 49 05.91 | -04 21 51.4 |        | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 01.15299   | 20 37 45.97 | -23 44 28.6 |        | 684 | 1996 TK              | 1996 10 08.28598   | 23 49 05.61 | -04 21 52.3 |        | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 01.15735   | 20 37 46.15 | -23 44 26.6 |        | 684 | 1996 TK              | 1996 10 09.26508   | 23 48 25.50 | -04 24 15.8 |        | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 02.10064   | 20 38 30.13 | -23 37 04.1 | 17.2 R | 684 | 1996 TK              | 1996 10 09.27063   | 23 48 25.28 | -04 24 16.7 | 19.2 R | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 02.10509   | 20 38 30.32 | -23 37 02.1 |        | 684 | 1996 TK              | 1996 10 09.27606   | 23 48 25.00 | -04 24 17.7 |        | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 02.10957   | 20 38 30.52 | -23 37 00.0 |        | 684 | 1996 TL              | * 1996 10 03.24318 | 23 56 58.49 | -03 35 58.9 | 18.8 R | E 684 |
| 1996 RJ <sub>3</sub> | 1996 10 17.10081   | 20 53 08.95 | -21 31 36.3 |        | 684 | 1996 TL              | 1996 10 03.25197   | 23 56 58.10 | -03 36 06.7 |        | E 684 |
| 1996 RJ <sub>3</sub> | 1996 10 17.10666   | 20 53 09.33 | -21 31 33.4 |        | 684 | 1996 TL              | 1996 10 04.24970   | 23 56 23.71 | -03 49 16.3 |        | 684   |
| 1996 RJ <sub>3</sub> | 1996 10 17.14604   | 20 53 11.94 | -21 31 12.6 | I      | 684 | 1996 TL              | 1996 10 04.27929   | 23 56 22.64 | -03 49 39.5 |        | 684   |
| 1996 RK <sub>3</sub> | 1996 10 01.12394   | 20 40 52.27 | -24 49 24.3 | 19.1 R | 684 | 1996 TL              | 1996 10 06.24807   | 23 55 16.47 | -04 15 15.9 | 18.5 R | 684   |
| 1996 RK <sub>3</sub> | 1996 10 01.13207   | 20 40 52.68 | -24 49 22.0 |        | 684 | 1996 TL              | 1996 10 06.25647   | 23 55 16.17 | -04 15 22.4 |        | 684   |
| 1996 RK <sub>3</sub> | 1996 10 01.13992   | 20 40 53.09 | -24 49 19.9 |        | 684 | 1996 TM              | * 1996 10 03.24318 | 23 57 11.52 | -03 38 11.2 | 18.8 R | E 684 |
| 1996 RK <sub>3</sub> | 1996 10 02.14645   | 20 41 48.47 | -24 44 57.5 | 18.3 R | 684 | 1996 TM              | 1996 10 03.25197   | 23 57 10.96 | -03 38 09.4 |        | E 684 |
| 1996 RK <sub>3</sub> | 1996 10 02.15378   | 20 41 48.80 | -24 44 55.7 |        | 684 | 1996 TM              | 1996 10 04.24075   | 23 56 07.09 | -03 38 07.7 |        | 684   |
| 1996 RK <sub>3</sub> | 1996 10 02.16134   | 20 41 49.21 | -24 44 53.7 |        | 684 | 1996 TM              | 1996 10 04.27081   | 23 56 05.03 | -03 38 07.7 |        | 684   |
| 1996 RK <sub>3</sub> | 1996 10 17.11646   | 20 58 19.08 | -23 24 09.6 |        | 684 | 1996 TM              | 1996 10 06.22902   | 23 54 01.51 | -03 37 41.4 | 19.5 R | 684   |
| 1996 RK <sub>3</sub> | 1996 10 17.12831   | 20 58 20.00 | -23 24 05.2 |        | 684 | 1996 TM              | 1996 10 06.23737   | 23 54 00.87 | -03 37 40.8 |        | 684   |
| 1996 RK <sub>3</sub> | 1996 10 17.13563   | 20 58 20.48 | -23 24 02.4 |        | 684 | 1996 TB <sub>1</sub> | 1996 10 07.32725   | 01 42 56.54 | +10 55 45.8 | 18.7 R | 684   |
| 1996 SO              | 1996 10 03.18252   | 23 51 17.80 | -03 10 16.1 | 18.4 R | 684 | 1996 TB <sub>1</sub> | 1996 10 07.33319   | 01 42 56.26 | +10 55 44.1 |        | 684   |
| 1996 SO              | 1996 10 03.18881   | 23 51 17.41 | -03 10 16.7 |        | 684 | 1996 TE <sub>1</sub> | * 1996 10 05.30213 | 02 43 05.58 | +05 08 40.4 | 18.8 R | 684   |
| 1996 SO              | 1996 10 03.19442   | 23 51 17.08 | -03 10 17.1 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 05.30913   | 02 43 05.23 | +05 08 39.4 |        | 684   |
| 1996 SO              | 1996 10 04.31514   | 23 50 12.68 | -03 11 36.1 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 05.31552   | 02 43 04.98 | +05 08 38.8 |        | 684   |
| 1996 SO              | 1996 10 04.33096   | 23 50 11.74 | -03 11 37.1 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 06.32814   | 02 42 19.99 | +05 06 08.9 | 18.8 R | 684   |
| 1996 SO              | 1996 10 16.26085   | 23 40 25.92 | -03 14 37.9 | 18.6 R | 684 | 1996 TE <sub>1</sub> | 1996 10 06.33435   | 02 42 19.70 | +05 06 08.1 |        | 684   |
| 1996 SO              | 1996 10 16.28101   | 23 40 25.08 | -03 14 36.9 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 06.34179   | 02 42 19.35 | +05 06 07.1 |        | 684   |
| 1996 SP              | 1996 10 03.20459   | 23 53 18.53 | -04 05 36.3 | 19.1 R | 684 | 1996 TE <sub>1</sub> | 1996 10 07.35210   | 02 41 32.85 | +05 03 37.3 |        | 684   |
| 1996 SP              | 1996 10 03.21391   | 23 53 18.13 | -04 05 40.5 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 07.36067   | 02 41 32.43 | +05 03 35.4 |        | 684   |
| 1996 SP              | 1996 10 04.19759   | 23 52 37.20 | -04 13 39.7 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 13.31366   | 02 36 29.28 | +04 48 59.3 | 18.5 R | 684   |
| 1996 SP              | 1996 10 04.20678   | 23 52 36.78 | -04 13 43.8 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 13.32197   | 02 36 28.81 | +04 48 58.1 |        | 684   |
| 1996 SR              | 1996 09 23.36077   | 22 16 43.89 | -10 44 32.2 |        | 684 | 1996 TE <sub>1</sub> | 1996 10 14.33772   | 02 35 32.55 | +04 46 32.1 | 18.6 R | 684   |
| 1996 SR              | 1996 09 23.36944   | 22 16 43.67 | -10 44 34.9 | 17.9 R | 684 | 1996 TE <sub>1</sub> | 1996 10 14.34329   | 02 35 32.24 | +04 46 31.8 |        | 684   |
| 1996 SR              | 1996 09 23.37662   | 22 16 43.49 | -10 44 37.2 | 18.1 R | 684 | 1996 TE <sub>1</sub> | 1996 10 14.34806   | 02 35 31.97 | +04 46 31.0 |        | 684   |
| 1996 SN <sub>7</sub> | * 1996 09 23.40862 | 01 25 39.82 | +27 16 34.0 | 19.0 R | 684 | 1996 TH <sub>1</sub> | * 1996 10 06.22902 | 23 53 34.89 | -03 43 01.2 | 19.5 R | 684   |
| 1996 SN <sub>7</sub> | 1996 09 23.42808   | 01 25 39.03 | +27 16 33.1 |        | 684 | 1996 TH <sub>1</sub> | 1996 10 06.23737   | 23 53 34.45 | -03 42 59.9 |        | 684   |
| 1996 SN <sub>7</sub> | 1996 10 01.19122   | 01 19 37.76 | +27 06 27.2 |        | 684 | 1996 TH <sub>1</sub> | 1996 10 07.27172   | 23 52 38.81 | -03 40 29.8 | 19.5 R | 684   |
| 1996 SN <sub>7</sub> | 1996 10 01.20223   | 01 19 37.08 | +27 06 25.9 | 18.7 R | 684 | 1996 TH <sub>1</sub> | 1996 10 07.28029   | 23 52 38.35 | -03 40 28.5 |        | 684   |

|                      |                    |             |             |        |       |                      |                    |             |             |        |       |
|----------------------|--------------------|-------------|-------------|--------|-------|----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 TJ <sub>1</sub> | * 1996 10 06.22902 | 23 53 45.07 | −03 39 34.2 | 19.6 R | 684   | 1996 TC <sub>5</sub> | 1996 10 09.27063   | 23 48 17.64 | −04 28 06.1 | 19.4 R | 684   |
| 1996 TJ <sub>1</sub> | 1996 10 06.23737   | 23 53 44.72 | −03 39 37.9 |        | 684   | 1996 TC <sub>5</sub> | 1996 10 09.27606   | 23 48 17.42 | −04 28 07.3 |        | 684   |
| 1996 TJ <sub>1</sub> | 1996 10 07.27172   | 23 53 06.47 | −03 46 47.5 | 19.7 R | 684   | 1996 TD <sub>5</sub> | * 1996 10 08.30690 | 01 03 13.82 | +06 38 39.4 |        | 684   |
| 1996 TJ <sub>1</sub> | 1996 10 07.28029   | 23 53 06.18 | −03 46 50.7 |        | 684   | 1996 TD <sub>5</sub> | 1996 10 08.31470   | 01 03 13.35 | +06 38 37.1 |        | 684   |
| 1996 TK <sub>1</sub> | * 1996 10 06.24807 | 23 55 04.17 | −04 15 59.7 | 19.2 R | 684   | 1996 TD <sub>5</sub> | 1996 10 08.32875   | 01 03 12.50 | +06 38 33.9 | 18.7 R | 684   |
| 1996 TK <sub>1</sub> | 1996 10 06.25647   | 23 55 03.74 | −04 16 02.8 |        | 684   | 1996 TD <sub>5</sub> | 1996 10 09.31983   | 01 02 12.78 | +06 34 19.2 | 18.4 R | 684   |
| 1996 TK <sub>1</sub> | 1996 10 07.29406   | 23 54 23.47 | −04 22 29.7 | 18.9 R | 684   | 1996 TD <sub>5</sub> | 1996 10 09.33093   | 01 02 12.18 | +06 34 16.6 |        | 684   |
| 1996 TK <sub>1</sub> | 1996 10 07.30286   | 23 54 23.17 | −04 22 33.7 |        | 684   | 1996 TD <sub>5</sub> | 1996 10 09.33969   | 01 02 11.56 | +06 34 13.5 |        | 684   |
| 1996 TL <sub>1</sub> | * 1996 10 06.32814 | 02 41 59.58 | +05 02 15.2 | 19.5 R | 684   | 1996 TD <sub>5</sub> | 1996 10 14.32191   | 00 57 13.25 | +06 12 52.6 | 18.9 R | 684   |
| 1996 TL <sub>1</sub> | 1996 10 06.33435   | 02 41 59.43 | +05 02 12.9 |        | 684   | 1996 TD <sub>5</sub> | 1996 10 14.32934   | 00 57 12.80 | +06 12 50.3 |        | 684   |
| 1996 TL <sub>1</sub> | 1996 10 06.34179   | 02 41 59.17 | +05 02 11.0 |        | 684   | 1996 TE <sub>5</sub> | * 1996 10 08.30690 | 01 03 49.10 | +06 37 50.1 | 18.8 R | 684   |
| 1996 TL <sub>1</sub> | 1996 10 07.35210   | 02 41 25.84 | +04 55 30.3 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 08.31470   | 01 03 48.57 | +06 37 51.6 |        | 684   |
| 1996 TL <sub>1</sub> | 1996 10 07.36067   | 02 41 25.54 | +04 55 27.0 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 08.32875   | 01 03 47.54 | +06 37 54.9 |        | 684   |
| 1996 TM <sub>1</sub> | * 1996 10 06.32814 | 02 43 07.29 | +05 05 52.4 | 19.5 R | 684   | 1996 TE <sub>5</sub> | 1996 10 09.31983   | 01 02 39.41 | +06 41 28.4 |        | 684   |
| 1996 TM <sub>1</sub> | 1996 10 06.33435   | 02 43 07.11 | +05 05 50.1 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 09.33093   | 01 02 38.65 | +06 41 30.5 |        | 684   |
| 1996 TM <sub>1</sub> | 1996 10 06.34179   | 02 43 06.85 | +05 05 48.3 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 09.33969   | 01 02 38.02 | +06 41 32.9 | 17.9 R | 684   |
| 1996 TM <sub>1</sub> | 1996 10 07.36948   | 02 42 38.56 | +04 59 14.6 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 13.26314   | 00 58 09.32 | +06 55 27.8 | 19.3 R | 684   |
| 1996 TM <sub>1</sub> | 1996 10 07.37732   | 02 42 38.30 | +04 59 10.7 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 13.26902   | 00 58 08.92 | +06 55 29.3 |        | 684   |
| 1996 TJ <sub>3</sub> | * 1996 10 07.31284 | 01 04 07.53 | +06 39 37.8 | 18.8 R | 684   | 1996 TE <sub>5</sub> | 1996 10 16.28781   | 00 54 44.86 | +07 06 07.1 |        | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 07.34079   | 01 04 06.13 | +06 39 30.6 |        | 684   | 1996 TE <sub>5</sub> | 1996 10 16.29540   | 00 54 44.34 | +07 06 08.8 | 19.0 R | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 08.30690   | 01 03 20.38 | +06 35 19.9 |        | 684   | 1996 TF <sub>5</sub> | * 1996 10 08.30690 | 01 04 01.52 | +06 38 50.1 | 17.5 R | E 684 |
| 1996 TJ <sub>3</sub> | 1996 10 08.31470   | 01 03 19.98 | +06 35 17.8 |        | 684   | 1996 TF <sub>5</sub> | 1996 10 08.31470   | 01 04 01.11 | +06 38 46.0 |        | E 684 |
| 1996 TJ <sub>3</sub> | 1996 10 08.32875   | 01 03 19.31 | +06 35 14.6 | 18.9 R | 684   | 1996 TF <sub>5</sub> | 1996 10 08.32875   | 01 04 00.35 | +06 38 38.6 |        | E 684 |
| 1996 TJ <sub>3</sub> | 1996 10 09.31983   | 01 02 32.37 | +06 30 57.0 | 18.8 R | 684   | 1996 TF <sub>5</sub> | 1996 10 09.31027   | 01 03 10.38 | +06 30 07.2 | 17.6 R | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 09.33093   | 01 02 31.80 | +06 30 54.0 |        | 684   | 1996 TF <sub>5</sub> | 1996 10 09.34857   | 01 03 08.32 | +06 29 47.0 |        | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 09.33969   | 01 02 31.40 | +06 30 51.8 |        | 684   | 1996 TF <sub>5</sub> | 1996 10 13.28620   | 00 59 48.09 | +05 55 28.6 | 17.5 R | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 16.31943   | 00 57 04.86 | +06 00 54.2 | 19.1 R | 684   | 1996 TF <sub>5</sub> | 1996 10 13.30169   | 00 59 47.25 | +05 55 20.5 |        | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 16.32546   | 00 57 04.56 | +06 00 52.8 |        | 684   | 1996 TF <sub>5</sub> | 1996 10 16.34965   | 00 57 14.86 | +05 29 05.3 | 18.2 R | 684   |
| 1996 TJ <sub>3</sub> | 1996 10 16.33160   | 00 57 04.28 | +06 00 51.5 |        | 684   | 1996 TF <sub>5</sub> | 1996 10 16.35317   | 00 57 14.69 | +05 29 03.3 |        | 684   |
| 1996 TK <sub>3</sub> | * 1996 10 07.31284 | 01 04 16.33 | +06 41 15.4 | 19.1 R | 684   | 1996 TH <sub>5</sub> | * 1996 10 09.28517 | 23 45 37.54 | −02 38 02.0 | 18.4 R | 684   |
| 1996 TK <sub>3</sub> | 1996 10 07.34079   | 01 04 14.80 | +06 41 08.4 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 09.29159   | 23 45 37.19 | −02 38 03.4 |        | 684   |
| 1996 TK <sub>3</sub> | 1996 10 08.30690   | 01 03 22.84 | +06 37 18.0 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 09.29911   | 23 45 36.81 | −02 38 04.9 |        | 684   |
| 1996 TK <sub>3</sub> | 1996 10 08.31470   | 01 03 22.38 | +06 37 15.7 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 10.25039   | 23 44 51.14 | −02 41 12.3 | 18.3 R | 684   |
| 1996 TK <sub>3</sub> | 1996 10 08.32875   | 01 03 21.60 | +06 37 12.6 | 18.8 R | 684   | 1996 TH <sub>5</sub> | 1996 10 10.25685   | 23 44 50.82 | −02 41 13.1 |        | 684   |
| 1996 TK <sub>3</sub> | 1996 10 09.31983   | 01 02 28.13 | +06 33 15.6 | 19.0 R | 684   | 1996 TH <sub>5</sub> | 1996 10 10.26291   | 23 44 50.53 | −02 41 14.5 |        | 684   |
| 1996 TK <sub>3</sub> | 1996 10 09.33093   | 01 02 27.55 | +06 33 12.7 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 11.25343   | 23 44 04.12 | −02 44 20.8 | 18.3 R | 684   |
| 1996 TK <sub>3</sub> | 1996 10 09.33969   | 01 02 27.05 | +06 33 10.6 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 11.26069   | 23 44 03.78 | −02 44 22.1 |        | 684   |
| 1996 TK <sub>3</sub> | 1996 10 17.29240   | 00 55 25.32 | +06 01 52.5 | 19.5 R | 684   | 1996 TH <sub>5</sub> | 1996 10 11.26657   | 23 44 03.47 | −02 44 23.2 |        | 684   |
| 1996 TK <sub>3</sub> | 1996 10 17.29986   | 00 55 24.90 | +06 01 50.9 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 12.23745   | 23 43 19.29 | −02 47 17.8 | 18.4 R | 684   |
| 1996 TK <sub>3</sub> | 1996 10 17.30722   | 00 55 24.51 | +06 01 49.1 |        | 684   | 1996 TH <sub>5</sub> | 1996 10 12.25413   | 23 43 18.51 | −02 47 20.7 |        | 684   |
| 1996 TY <sub>4</sub> | 1996 10 08.30690   | 01 03 42.26 | +06 41 19.5 | 17.1 R | E 684 | 1996 TH <sub>5</sub> | 1996 10 15.21505   | 23 41 11.97 | −02 55 17.2 | 18.7 R | 684   |
| 1996 TY <sub>4</sub> | 1996 10 08.31470   | 01 03 41.76 | +06 41 18.9 |        | E 684 | 1996 TH <sub>5</sub> | 1996 10 15.22278   | 23 41 11.64 | −02 55 18.4 |        | 684   |
| 1996 TY <sub>4</sub> | 1996 10 08.32875   | 01 03 40.87 | +06 41 17.8 |        | E 684 | 1996 TH <sub>5</sub> | 1996 10 16.23509   | 23 40 31.36 | −02 57 41.2 |        | 684   |
| 1996 TY <sub>4</sub> | 1996 10 09.31983   | 01 02 39.46 | +06 40 02.6 | 17.0 R | 684   | 1996 TH <sub>5</sub> | 1996 10 16.24193   | 23 40 31.07 | −02 57 42.2 | 18.4 R | 684   |
| 1996 TY <sub>4</sub> | 1996 10 09.33093   | 01 02 38.77 | +06 40 01.4 |        | 684   | 1996 TC <sub>7</sub> | * 1996 10 11.25343 | 23 43 23.08 | −02 49 15.1 | 18.9 R | 684   |
| 1996 TY <sub>4</sub> | 1996 10 09.33969   | 01 02 38.21 | +06 40 00.9 |        | 684   | 1996 TC <sub>7</sub> | 1996 10 11.26069   | 23 43 22.77 | −02 49 16.0 |        | 684   |
| 1996 TB <sub>5</sub> | 1996 10 07.32725   | 01 42 33.01 | +10 55 15.5 | 18.2 R | 684   | 1996 TC <sub>7</sub> | 1996 10 11.26657   | 23 43 22.58 | −02 49 16.8 |        | 684   |
| 1996 TB <sub>5</sub> | 1996 10 07.33319   | 01 42 32.78 | +10 55 11.6 |        | 684   | 1996 TC <sub>7</sub> | 1996 10 12.23745   | 23 42 47.76 | −02 51 12.0 | 18.8 R | 684   |
| 1996 TC <sub>5</sub> | * 1996 10 08.27350 | 23 48 55.98 | −04 24 41.6 | 18.4 R | 684   | 1996 TC <sub>7</sub> | 1996 10 12.25413   | 23 42 47.16 | −02 51 14.2 |        | 684   |
| 1996 TC <sub>5</sub> | 1996 10 08.27975   | 23 48 55.73 | −04 24 43.0 |        | 684   | 1996 TD <sub>7</sub> | * 1996 10 11.30981 | 03 27 03.03 | +20 03 28.5 | 18.5 R | 684   |
| 1996 TC <sub>5</sub> | 1996 10 08.28598   | 23 48 55.49 | −04 24 44.1 |        | 684   | 1996 TD <sub>7</sub> | 1996 10 11.31463   | 03 27 02.84 | +20 03 28.9 |        | 684   |
| 1996 TC <sub>5</sub> | 1996 10 09.26508   | 23 48 17.88 | −04 28 04.9 |        | 684   | 1996 TD <sub>7</sub> | 1996 10 11.31918   | 03 27 02.67 | +20 03 29.1 |        | 684   |

|                       |                    |             |             |        |       |
|-----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 TD <sub>7</sub>  | 1996 10 12.30471   | 03 26 25.00 | +20 04 11.2 |        | 684   |
| 1996 TD <sub>7</sub>  | 1996 10 12.30973   | 03 26 24.78 | +20 04 11.5 | 18.6 R | 684   |
| 1996 TD <sub>7</sub>  | 1996 10 12.31453   | 03 26 24.58 | +20 04 11.3 |        | 684   |
| 1996 TD <sub>7</sub>  | 1996 10 15.28478   | 03 24 20.36 | +20 05 44.4 | 18.6 R | 684   |
| 1996 TD <sub>7</sub>  | 1996 10 15.29058   | 03 24 20.10 | +20 05 44.5 |        | 684   |
| 1996 TS <sub>11</sub> | * 1996 10 13.26314 | 00 58 25.68 | +06 56 57.6 | 17.5 R | 684   |
| 1996 TS <sub>11</sub> | 1996 10 13.26902   | 00 58 25.34 | +06 56 56.5 |        | 684   |
| 1996 TS <sub>11</sub> | 1996 10 14.30576   | 00 57 26.32 | +06 52 37.6 | 17.5 R | 684   |
| 1996 TS <sub>11</sub> | 1996 10 14.31137   | 00 57 26.00 | +06 52 36.3 |        | 684   |
| 1996 TS <sub>11</sub> | 1996 10 15.24781   | 00 56 33.74 | +06 48 45.1 | I      | 684   |
| 1996 TS <sub>11</sub> | 1996 10 15.25602   | 00 56 33.25 | +06 48 43.1 | 17.7 R | 684   |
| 1996 TT <sub>11</sub> | * 1996 10 13.27862 | 00 57 42.02 | +06 14 58.1 |        | 684   |
| 1996 TT <sub>11</sub> | 1996 10 13.29358   | 00 57 41.25 | +06 14 52.5 | 16.7 R | 684   |
| 1996 TT <sub>11</sub> | 1996 10 14.32191   | 00 56 51.08 | +06 08 38.5 | 16.9 R | 684   |
| 1996 TT <sub>11</sub> | 1996 10 14.32934   | 00 56 50.71 | +06 08 35.8 |        | 684   |
| 1996 TT <sub>11</sub> | 1996 10 15.23238   | 00 56 07.38 | +06 03 10.2 |        | 684   |
| 1996 TT <sub>11</sub> | 1996 10 15.23532   | 00 56 07.23 | +06 03 09.1 | 16.8 R | 684   |
| 1996 TT <sub>11</sub> | 1996 10 15.23799   | 00 56 07.10 | +06 03 08.1 |        | 684   |
| 1996 TT <sub>11</sub> | 1996 10 16.30645   | 00 55 15.98 | +05 56 45.4 | 17.1 R | 684   |
| 1996 TT <sub>11</sub> | 1996 10 16.36732   | 00 55 12.96 | +05 56 23.8 |        | 684   |
| 1996 TT <sub>11</sub> | 1996 10 16.37024   | 00 55 12.82 | +05 56 22.8 |        | 684   |
| 1996 TU <sub>11</sub> | * 1996 10 13.31366 | 02 35 53.73 | +04 46 53.2 | 17.3 R | 684   |
| 1996 TU <sub>11</sub> | 1996 10 13.32197   | 02 35 53.27 | +04 46 52.1 |        | 684   |
| 1996 TU <sub>11</sub> | 1996 10 14.33772   | 02 34 59.15 | +04 44 51.9 | 17.6 R | 684   |
| 1996 TU <sub>11</sub> | 1996 10 14.34329   | 02 34 58.84 | +04 44 51.1 |        | 684   |
| 1996 TU <sub>11</sub> | 1996 10 14.34806   | 02 34 58.57 | +04 44 50.7 |        | 684   |
| 1996 TU <sub>11</sub> | 1996 10 15.26625   | 02 34 08.65 | +04 43 03.8 | 17.4 R | 684   |
| 1996 TU <sub>11</sub> | 1996 10 15.27240   | 02 34 08.31 | +04 43 03.3 |        | 684   |
| 1996 TV <sub>11</sub> | * 1996 10 15.21505 | 23 41 11.36 | -02 56 03.9 | 19.5 R | 684   |
| 1996 TV <sub>11</sub> | 1996 10 15.22278   | 23 41 11.06 | -02 56 04.9 |        | 684   |
| 1996 TV <sub>11</sub> | 1996 10 16.23509   | 23 40 41.94 | -02 57 21.4 |        | 684   |
| 1996 TV <sub>11</sub> | 1996 10 16.24193   | 23 40 41.75 | -02 57 22.1 | 19.2 R | 684   |
| 1996 TW <sub>11</sub> | * 1996 10 15.21505 | 23 41 12.61 | -03 01 58.7 | 18.7 R | 684   |
| 1996 TW <sub>11</sub> | 1996 10 15.22278   | 23 41 12.37 | -03 01 58.6 |        | 684   |
| 1996 TW <sub>11</sub> | 1996 10 16.23509   | 23 40 39.47 | -03 01 41.1 |        | 684   |
| 1996 TW <sub>11</sub> | 1996 10 16.24193   | 23 40 39.27 | -03 01 40.8 | 19.0 R | 684   |
| 1996 UA               | * 1996 10 16.30645 | 00 54 26.74 | +05 52 00.8 | 17.2 R | 684   |
| 1996 UA               | 1996 10 16.36732   | 00 54 22.89 | +05 52 00.9 |        | 684   |
| 1996 UA               | 1996 10 16.37024   | 00 54 22.72 | +05 52 00.9 |        | 684   |
| 1996 UA               | 1996 10 17.27551   | 00 53 28.00 | +05 52 02.4 |        | 684   |
| 1996 UA               | 1996 10 17.27935   | 00 53 27.76 | +05 52 02.3 | 16.9 R | 684   |
| 1996 UA               | 1996 10 17.28245   | 00 53 27.56 | +05 52 02.3 |        | 684   |
| 1996 UA               | 1996 10 18.18559   | 00 52 33.62 | +05 52 05.9 | 16.9 R | 684   |
| 1996 UA               | 1996 10 18.20904   | 00 52 32.19 | +05 52 06.0 |        | 684   |
| 1996 UA               | 1996 10 18.21305   | 00 52 31.95 | +05 52 06.0 |        | 684   |
| 1996 UJ               | * 1996 10 17.29240 | 00 54 40.22 | +05 56 43.8 | 18.2 R | E 684 |
| 1996 UJ               | 1996 10 17.29986   | 00 54 39.41 | +05 56 48.3 |        | E 684 |
| 1996 UJ               | 1996 10 17.30722   | 00 54 38.61 | +05 56 52.8 |        | E 684 |
| 1996 UJ               | 1996 10 18.19377   | 00 53 04.62 | +06 06 07.9 | 17.9 R | 684   |
| 1996 UJ               | 1996 10 18.19859   | 00 53 04.08 | +06 06 11.2 |        | 684   |
| 1996 UJ               | 1996 10 18.20348   | 00 53 03.54 | +06 06 14.5 |        | 684   |
| 1996 UJ               | 1996 10 19.25792   | 00 51 11.44 | +06 17 21.9 | 18.1 R | 684   |

|         |                  |             |             |        |       |
|---------|------------------|-------------|-------------|--------|-------|
| 1996 UJ | 1996 10 19.26293 | 00 51 10.88 | +06 17 25.0 |        | 684   |
| 1996 UJ | 1996 10 19.26825 | 00 51 10.30 | +06 17 28.3 |        | 684   |
| (1863)  | 1996 10 05.34127 | 02 47 55.22 | +37 34 58.7 | F      | 684   |
| (1863)  | 1996 10 05.35212 | 02 47 54.28 | +37 35 00.2 | F      | 684   |
| (1863)  | 1996 10 05.36361 | 02 47 53.27 | +37 35 02.2 | F      | 684   |
| (1863)  | 1996 10 06.28742 | 02 46 44.58 | +37 37 09.4 | 19.5 R | 684   |
| (1863)  | 1996 10 06.29963 | 02 46 43.50 | +37 37 11.3 | F      | 684   |
| (1863)  | 1996 10 06.31045 | 02 46 42.73 | +37 37 13.0 | 19.6 R | 684   |
| (2366)  | 1996 10 03.16000 | 22 01 42.05 | -10 52 49.9 | 16.6 R | 684   |
| (2366)  | 1996 10 03.16387 | 22 01 41.98 | -10 52 50.1 |        | 684   |
| (2366)  | 1996 10 03.16697 | 22 01 41.92 | -10 52 50.6 |        | 684   |
| (2366)  | 1996 10 04.18200 | 22 01 25.13 | -10 54 15.9 |        | 684   |
| (2366)  | 1996 10 04.18502 | 22 01 25.08 | -10 54 16.1 |        | 684   |
| (3993)  | 1996 10 19.25792 | 00 51 13.41 | +06 10 55.7 | 15.9 R | E 684 |
| (3993)  | 1996 10 19.26293 | 00 51 13.17 | +06 10 53.7 |        | E 684 |
| (3993)  | 1996 10 19.26825 | 00 51 12.90 | +06 10 51.7 |        | E 684 |
| (4466)  | 1996 10 16.23509 | 23 40 11.63 | -02 54 12.9 |        | 684   |
| (4466)  | 1996 10 16.24193 | 23 40 11.44 | -02 54 15.1 | 16.6 R | 684   |
| (6458)  | 1996 10 14.32191 | 00 57 23.66 | +06 15 48.2 | 15.7 R | E 684 |
| (6458)  | 1996 10 14.32934 | 00 57 23.33 | +06 15 41.7 |        | E 684 |

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Observers A. K. B. Monet, R. C. Stone

Measurer A. K. B. Monet

0.20-m transit telescope + CCD

GSC

|                      |                  |             |             |  |     |
|----------------------|------------------|-------------|-------------|--|-----|
| 1943 DF              | 1996 10 12.47570 | 05 23 32.11 | +51 30 48.5 |  | 689 |
| 1943 DF              | 1996 10 13.47397 | 05 24 58.38 | +51 52 14.4 |  | 689 |
| 1972 TF              | 1996 10 12.41603 | 03 57 24.70 | +14 53 16.3 |  | 689 |
| 1972 TF              | 1996 10 13.41318 | 03 57 14.34 | +14 48 03.1 |  | 689 |
| 1975 SF <sub>1</sub> | 1996 09 30.39373 | 02 37 44.19 | +15 21 22.1 |  | 689 |
| 1975 SF <sub>1</sub> | 1996 10 12.35429 | 02 28 16.35 | +15 13 45.2 |  | 689 |
| 1976 SA <sub>6</sub> | 1996 10 12.24009 | 23 43 21.55 | -04 00 35.3 |  | 689 |
| 1976 SA <sub>6</sub> | 1996 10 13.23687 | 23 42 39.57 | -04 03 12.9 |  | 689 |
| 1977 DX <sub>3</sub> | 1996 09 15.37026 | 01 04 42.40 | +03 20 56.9 |  | 689 |
| 1977 EX              | 1996 09 16.30020 | 23 27 39.21 | +12 11 08.2 |  | 689 |
| 1977 EX              | 1996 09 29.25696 | 23 16 17.11 | +11 19 25.1 |  | 689 |
| 1977 EX              | 1996 09 30.25367 | 23 15 28.55 | +11 14 51.2 |  | 689 |
| 1977 FS              | 1996 10 13.12279 | 20 57 55.77 | -11 24 43.6 |  | 689 |
| 1979 MZ <sub>2</sub> | 1996 10 12.32725 | 01 49 13.40 | +08 10 59.6 |  | 689 |
| 1979 MZ <sub>2</sub> | 1996 10 13.32393 | 01 48 21.67 | +08 05 16.8 |  | 689 |
| 1979 SR <sub>2</sub> | 1996 10 13.47752 | 05 30 07.84 | +27 12 19.2 |  | 689 |
| 1980 VO              | 1996 09 29.15194 | 20 44 41.58 | -32 44 14.9 |  | 689 |
| 1980 VO              | 1996 09 30.14950 | 20 45 06.12 | -32 34 24.8 |  | 689 |
| 1980 VO              | 1996 10 12.12206 | 20 52 55.27 | -30 25 37.4 |  | 689 |
| 1980 VO              | 1996 10 13.11993 | 20 53 47.97 | -30 14 03.7 |  | 689 |
| 1980 VX <sub>2</sub> | 1996 09 30.31428 | 00 42 59.98 | +26 51 22.0 |  | 689 |
| 1980 VX <sub>2</sub> | 1996 10 12.27461 | 00 33 12.11 | +24 21 25.7 |  | 689 |
| 1981 QE              | 1996 09 15.29179 | 23 11 34.27 | -03 43 48.0 |  | 689 |

|                       |                  |             |             |     |                       |                  |             |             |     |
|-----------------------|------------------|-------------|-------------|-----|-----------------------|------------------|-------------|-------------|-----|
| 1981 QE               | 1996 09 16.28853 | 23 10 48.05 | -03 49 35.7 | 689 | 1989 TO               | 1996 10 13.18613 | 22 29 23.24 | +04 14 03.5 | 689 |
| 1981 QE               | 1996 10 12.20825 | 22 57 23.86 | -05 42 52.3 | 689 | 1989 TY <sub>10</sub> | 1996 09 30.47962 | 04 41 46.19 | +19 01 12.9 | 689 |
| 1981 QE               | 1996 10 13.20543 | 22 57 15.64 | -05 44 55.0 | 689 | 1989 TX <sub>15</sub> | 1996 10 12.34016 | 02 07 51.31 | +15 07 12.2 | 689 |
| 1981 RF               | 1996 09 29.16924 | 21 09 39.03 | -20 04 17.6 | 689 | 1989 TX <sub>15</sub> | 1996 10 13.33673 | 02 06 50.82 | +15 04 57.7 | 689 |
| 1981 VU               | 1996 10 12.22906 | 23 27 26.46 | -02 24 50.0 | 689 | 1990 EX <sub>2</sub>  | 1996 09 16.44574 | 02 57 23.92 | +10 47 16.5 | 689 |
| 1981 VU               | 1996 10 13.22598 | 23 26 55.93 | -02 29 46.9 | 689 | 1990 FG               | 1996 10 12.18712 | 22 26 52.43 | -09 51 15.9 | 689 |
| 1982 HJ               | 1996 10 12.13334 | 21 09 13.11 | -27 31 15.8 | 689 | 1990 QZ <sub>4</sub>  | 1996 09 29.43230 | 03 29 28.53 | -03 22 10.5 | 689 |
| 1982 HJ               | 1996 10 13.13116 | 21 10 00.42 | -27 22 31.0 | 689 | 1990 VF <sub>3</sub>  | 1996 09 30.10755 | 19 44 32.26 | -25 00 45.3 | 689 |
| 1982 SA <sub>4</sub>  | 1996 10 12.48950 | 05 43 29.83 | +26 31 26.9 | 689 | 1990 VG <sub>3</sub>  | 1996 09 16.21846 | 21 29 37.56 | -20 22 58.5 | 689 |
| 1982 SL <sub>6</sub>  | 1996 10 12.42251 | 04 06 45.92 | +25 58 45.0 | 689 | 1990 VG <sub>3</sub>  | 1996 09 29.18188 | 21 27 54.06 | -20 38 47.0 | 689 |
| 1982 SL <sub>6</sub>  | 1996 10 13.41954 | 04 06 25.02 | +26 00 48.0 | 689 | 1990 VV <sub>3</sub>  | 1996 09 29.12030 | 19 58 59.56 | -21 39 44.5 | 689 |
| 1982 TK <sub>3</sub>  | 1996 09 29.38992 | 02 28 16.53 | +28 20 42.5 | 689 | 1991 GR               | 1996 10 12.10024 | 20 21 24.86 | -35 20 23.6 | 689 |
| 1983 BH               | 1996 09 16.45774 | 03 15 07.11 | +27 23 48.5 | 689 | 1991 GR               | 1996 10 13.09809 | 20 22 15.41 | -35 08 58.8 | 689 |
| 1983 BH               | 1996 10 12.38586 | 03 13 50.40 | +28 13 53.0 | 689 | 1991 JT <sub>1</sub>  | 1996 10 12.28252 | 00 44 38.02 | -01 26 48.7 | 689 |
| 1983 BH               | 1996 10 13.38277 | 03 13 19.62 | +28 13 18.9 | 689 | 1991 JT <sub>1</sub>  | 1996 10 13.27927 | 00 43 52.94 | -01 36 59.6 | 689 |
| 1983 RZ <sub>1</sub>  | 1996 09 29.19669 | 21 49 16.97 | -17 08 13.2 | 689 | 1991 PQ <sub>1</sub>  | 1996 09 29.20603 | 22 02 45.92 | -12 54 23.3 | 689 |
| 1983 RZ <sub>1</sub>  | 1996 09 30.19402 | 21 49 22.05 | -17 03 01.1 | 689 | 1991 PQ <sub>1</sub>  | 1996 09 30.20310 | 22 02 28.21 | -12 56 43.3 | 689 |
| 1983 RZ <sub>1</sub>  | 1996 10 12.16376 | 21 53 09.23 | -15 49 12.1 | 689 | 1991 PE <sub>10</sub> | 1996 09 16.42640 | 02 29 52.29 | +24 38 48.1 | 689 |
| 1983 RZ <sub>1</sub>  | 1996 10 13.16140 | 21 53 41.24 | -15 42 11.4 | 689 | 1991 PK <sub>11</sub> | 1996 10 13.41620 | 04 01 34.37 | +31 22 15.2 | 689 |
| 1983 RM <sub>2</sub>  | 1996 10 12.35147 | 02 24 11.91 | +07 35 21.3 | 689 | 1991 RL <sub>5</sub>  | 1996 10 12.15923 | 21 46 35.81 | -22 48 18.1 | 689 |
| 1984 SH <sub>6</sub>  | 1996 09 30.41576 | 03 09 32.29 | +11 47 20.2 | 689 | 1991 RN <sub>10</sub> | 1996 09 29.47927 | 04 37 19.37 | +27 35 03.1 | 689 |
| 1985 GK               | 1996 10 12.43154 | 04 19 48.18 | +13 23 30.0 | 689 | 1991 RN <sub>10</sub> | 1996 09 30.47675 | 04 37 38.08 | +27 38 58.1 | 689 |
| 1985 GK               | 1996 10 13.42866 | 04 19 35.66 | +13 17 08.3 | 689 | 1991 RN <sub>10</sub> | 1996 10 12.44485 | 04 39 00.76 | +28 21 57.4 | 689 |
| 1985 GO               | 1996 09 15.32465 | 23 59 00.79 | -08 05 00.0 | 689 | 1991 RN <sub>10</sub> | 1996 10 13.44206 | 04 38 55.34 | +28 25 12.1 | 689 |
| 1985 GO               | 1996 09 29.27736 | 23 45 44.60 | -09 30 31.7 | 689 | 1991 RA <sub>16</sub> | 1996 10 12.46428 | 05 07 04.55 | +17 14 18.3 | 689 |
| 1985 RZ <sub>1</sub>  | 1996 09 15.33634 | 00 15 54.25 | -01 25 48.4 | 689 | 1991 RP <sub>25</sub> | 1996 09 29.23047 | 22 38 03.74 | -23 50 05.9 | 689 |
| 1985 RZ <sub>1</sub>  | 1996 10 13.24446 | 23 53 37.16 | -02 15 35.4 | 689 | 1991 RP <sub>25</sub> | 1996 10 12.19035 | 22 31 32.17 | -23 16 59.9 | 689 |
| 1985 TD               | 1996 09 29.42235 | 03 15 06.82 | +06 11 16.8 | 689 | 1991 RT <sub>40</sub> | 1996 09 29.32794 | 00 58 47.16 | +04 54 48.3 | 689 |
| 1985 TD               | 1996 10 12.38870 | 03 17 57.08 | +00 59 19.8 | 689 | 1991 SL <sub>2</sub>  | 1996 10 12.09644 | 20 15 55.82 | -30 57 56.9 | 689 |
| 1985 TD               | 1996 10 13.38596 | 03 17 55.98 | +00 33 08.9 | 689 | 1991 SL <sub>2</sub>  | 1996 10 13.09411 | 20 16 30.25 | -30 53 36.2 | 689 |
| 1985 TV               | 1996 09 15.32800 | 00 03 51.53 | -19 15 01.3 | 689 | 1991 TD <sub>1</sub>  | 1996 09 30.12859 | 20 14 52.45 | +02 57 52.1 | 689 |
| 1985 TV               | 1996 09 29.28056 | 23 50 21.92 | -19 03 27.1 | 689 | 1991 TD <sub>1</sub>  | 1996 10 12.10522 | 20 28 37.29 | -00 56 00.8 | 689 |
| 1985 TV               | 1996 09 30.27718 | 23 49 26.30 | -19 01 21.0 | 689 | 1991 TD <sub>1</sub>  | 1996 10 13.10342 | 20 29 57.89 | -01 13 27.6 | 689 |
| 1985 TQ <sub>1</sub>  | 1996 09 15.29512 | 23 16 22.76 | -13 29 49.2 | 689 | 1992 EV <sub>21</sub> | 1996 09 29.12867 | 20 11 04.90 | -23 53 47.6 | 689 |
| 1985 TQ <sub>1</sub>  | 1996 09 16.29182 | 23 15 33.70 | -13 31 30.5 | 689 | 1992 LP               | 1996 09 29.34533 | 01 23 53.33 | +02 09 55.5 | 689 |
| 1985 VF <sub>1</sub>  | 1996 09 30.45102 | 04 00 28.08 | +22 19 01.0 | 689 | 1992 LP               | 1996 09 30.34203 | 01 23 04.46 | +02 04 26.8 | 689 |
| 1986 QN <sub>3</sub>  | 1996 10 12.21692 | 23 09 54.26 | -11 44 19.0 | 689 | 1992 LP               | 1996 10 12.30179 | 01 12 27.27 | +01 01 31.9 | 689 |
| 1986 QN <sub>3</sub>  | 1996 10 13.21396 | 23 09 34.52 | -11 43 39.6 | 689 | 1992 PY <sub>2</sub>  | 1996 09 29.10909 | 19 42 48.63 | -12 33 38.7 | 689 |
| 1986 QV <sub>3</sub>  | 1996 09 29.14599 | 20 36 05.75 | -23 21 11.3 | 689 | 1992 QN               | 1996 10 13.22946 | 23 31 57.70 | +03 21 01.1 | 689 |
| 1987 MA <sub>1</sub>  | 1996 10 13.13457 | 21 14 56.72 | -18 25 01.2 | 689 | 1992 ST <sub>1</sub>  | 1996 09 16.14761 | 19 47 19.32 | -20 46 45.0 | 689 |
| 1988 RX <sub>4</sub>  | 1996 10 12.47906 | 05 28 25.26 | -19 34 04.0 | 689 | 1992 SW <sub>17</sub> | 1996 09 16.15381 | 19 56 16.28 | -08 10 17.7 | 689 |
| 1988 RB <sub>12</sub> | 1996 09 16.19017 | 20 48 46.28 | -21 19 06.2 | 689 | 1992 SW <sub>17</sub> | 1996 10 13.08747 | 20 06 56.12 | -07 52 16.7 | 689 |
| 1988 VJ <sub>2</sub>  | 1996 10 12.35731 | 02 32 37.03 | +15 49 22.3 | 689 | 1992 ST <sub>26</sub> | 1996 09 30.14366 | 20 36 39.02 | -13 22 31.4 | 689 |
| 1988 VR <sub>5</sub>  | 1996 10 12.21994 | 23 14 16.24 | +10 10 32.0 | 689 | 1992 UG               | 1996 10 12.23217 | 23 31 55.88 | -16 30 25.3 | 689 |
| 1988 VR <sub>5</sub>  | 1996 10 13.21700 | 23 13 57.97 | +09 58 04.0 | 689 | 1992 UQ               | 1996 09 30.36559 | 01 57 05.32 | +08 24 08.8 | 689 |
| 1988 VE <sub>7</sub>  | 1996 10 12.45990 | 05 00 44.76 | +12 04 51.1 | 689 | 1992 WM <sub>5</sub>  | 1996 09 29.49400 | 04 58 35.33 | +15 56 53.5 | 689 |
| 1988 XX <sub>1</sub>  | 1996 09 29.41589 | 03 05 47.12 | +19 45 48.1 | 689 | 1992 WM <sub>5</sub>  | 1996 09 30.49168 | 04 59 10.71 | +15 57 49.7 | 689 |
| 1988 XX <sub>1</sub>  | 1996 09 30.41287 | 03 05 22.57 | +19 53 55.4 | 689 | 1993 AB               | 1996 10 12.45661 | 04 55 59.80 | +16 27 52.9 | 689 |
| 1989 OA               | 1996 10 12.08953 | 20 05 57.70 | -14 38 41.0 | 689 | 1993 AB               | 1996 10 13.45408 | 04 56 17.85 | +16 30 14.5 | 689 |
| 1989 RC               | 1996 09 16.11723 | 19 03 27.18 | -31 54 21.3 | 689 | 1993 CQ               | 1996 10 12.40341 | 03 39 11.24 | +02 54 45.8 | 689 |
| 1989 RS <sub>1</sub>  | 1996 10 12.26262 | 00 15 53.81 | -12 37 22.6 | 689 | 1993 DQ <sub>2</sub>  | 1996 09 29.44287 | 03 44 45.33 | +15 22 16.3 | 689 |
| 1989 SJ <sub>5</sub>  | 1996 10 13.25888 | 00 14 26.16 | -06 34 56.6 | 689 | 1993 VY <sub>1</sub>  | 1996 09 15.34023 | 00 21 31.17 | -03 32 14.4 | 689 |

|                      |                  |             |             |     |        |                  |             |             |     |
|----------------------|------------------|-------------|-------------|-----|--------|------------------|-------------|-------------|-----|
| 1993 VJ <sub>4</sub> | 1996 09 29.16559 | 21 04 23.10 | -19 40 42.0 | 689 | (1359) | 1996 10 13.21019 | 23 04 07.52 | -21 47 50.8 | 689 |
| 1993 VJ <sub>4</sub> | 1996 09 30.16323 | 21 04 55.62 | -19 35 17.9 | 689 | (1642) | 1996 09 29.10008 | 19 29 49.13 | -28 15 42.6 | 689 |
| 1993 VJ <sub>4</sub> | 1996 10 12.13666 | 21 14 00.83 | -18 20 42.0 | 689 | (1642) | 1996 09 30.09770 | 19 30 19.31 | -28 10 29.3 | 689 |
| 1994 FN              | 1996 09 29.26415 | 23 26 40.11 | -07 39 16.3 | 689 | (1665) | 1996 09 29.44876 | 03 53 15.16 | +05 38 38.1 | 689 |
| 1994 FN              | 1996 09 30.26093 | 23 25 57.46 | -07 42 46.6 | 689 | (1665) | 1996 09 30.44616 | 03 53 26.69 | +05 36 44.2 | 689 |
| 1994 GZ              | 1996 10 12.34364 | 02 12 52.81 | +05 32 55.7 | 689 | (1665) | 1996 10 12.41306 | 03 53 07.23 | +05 12 32.4 | 689 |
| 1994 GZ              | 1996 10 13.34042 | 02 12 10.74 | +05 22 24.8 | 689 | (1665) | 1996 10 13.41015 | 03 52 52.04 | +05 10 30.9 | 689 |
| 1995 EH              | 1996 10 13.11314 | 20 43 59.09 | -24 33 10.5 | 689 | (1945) | 1996 09 29.47600 | 04 32 35.40 | +16 04 47.8 | 689 |
| 1995 FU              | 1996 09 30.40546 | 02 54 40.36 | +15 06 18.0 | 689 | (1945) | 1996 10 12.44103 | 04 33 30.22 | +15 37 19.3 | 689 |
| 1995 FU              | 1996 10 13.36282 | 02 44 31.14 | +14 47 40.7 | 689 | (1945) | 1996 10 13.43819 | 04 33 20.76 | +15 34 49.7 | 689 |
| 1995 HN <sub>2</sub> | 1996 09 29.43877 | 03 38 49.75 | +13 25 22.3 | 689 | (2081) | 1996 09 16.11335 | 18 57 51.22 | -27 36 50.6 | 689 |
| 1996 PA              | 1996 09 15.28899 | 23 07 30.89 | -31 33 11.6 | 689 | (2093) | 1996 10 12.47223 | 05 18 33.33 | +14 59 27.2 | 689 |
| 1996 SD <sub>1</sub> | 1996 10 12.32448 | 01 45 12.98 | +12 00 34.0 | 689 | (2093) | 1996 10 13.46952 | 05 18 35.15 | +14 56 30.2 | 689 |
| 1996 SD <sub>1</sub> | 1996 10 13.32113 | 01 44 19.60 | +11 59 11.7 | 689 | (2285) | 1996 09 30.34936 | 01 33 39.17 | +02 20 54.1 | 689 |
| 2561 P-L             | 1996 10 12.34804 | 02 19 13.66 | +16 42 07.7 | 689 | (2285) | 1996 10 12.30998 | 01 24 17.04 | +00 30 33.0 | 689 |
| 2561 P-L             | 1996 10 13.34467 | 02 18 18.58 | +16 42 09.3 | 689 | (2285) | 1996 10 13.30668 | 01 23 27.47 | +00 22 04.0 | 689 |
| 3074 P-L             | 1996 10 12.29574 | 01 03 43.43 | +13 41 13.6 | 689 | (2366) | 1996 10 12.16881 | 22 00 26.40 | -10 59 12.0 | 689 |
| 3074 P-L             | 1996 10 13.29250 | 01 02 58.94 | +13 34 13.2 | 689 | (2366) | 1996 10 13.16610 | 22 00 28.23 | -10 59 03.2 | 689 |
| 4116 P-L             | 1996 10 12.40875 | 03 46 53.59 | +20 14 31.6 | 689 | (2435) | 1996 09 29.32499 | 00 54 31.31 | +01 25 31.5 | 689 |
| 4116 P-L             | 1996 10 13.40570 | 03 46 26.01 | +20 12 12.2 | 689 | (2435) | 1996 09 30.32174 | 00 53 46.07 | +01 16 37.1 | 689 |
| 2213 T-1             | 1996 10 13.35365 | 02 31 16.85 | +21 20 57.6 | 689 | (2467) | 1996 09 29.47037 | 04 24 28.62 | +30 12 21.2 | 689 |
| 5006 T-2             | 1996 10 12.49228 | 05 47 30.28 | +33 36 46.9 | 689 | (2467) | 1996 09 30.46786 | 04 24 47.66 | +30 16 11.0 | 689 |
| 5069 T-2             | 1996 10 12.17736 | 22 12 46.53 | -00 03 29.3 | 689 | (2467) | 1996 10 12.43548 | 04 25 29.05 | +30 54 24.5 | 689 |
| (255)                | 1996 09 16.12758 | 19 18 23.01 | -33 10 34.4 | 689 | (2467) | 1996 10 13.43260 | 04 25 16.47 | +30 56 50.2 | 689 |
| (255)                | 1996 09 29.09628 | 19 24 20.17 | -32 04 26.5 | 689 | (2488) | 1996 09 29.13585 | 20 21 27.33 | -30 36 06.5 | 689 |
| (255)                | 1996 09 30.09398 | 19 24 57.13 | -31 59 11.5 | 689 | (2488) | 1996 09 30.13378 | 20 22 24.41 | -30 28 26.7 | 689 |
| (583)                | 1996 09 16.44917 | 03 02 45.43 | +24 30 24.3 | 689 | (2488) | 1996 10 12.11053 | 20 36 16.65 | -28 46 20.5 | 689 |
| (583)                | 1996 09 30.40887 | 02 59 36.23 | +24 24 49.0 | 689 | (2488) | 1996 10 13.10873 | 20 37 37.19 | -28 36 59.6 | 689 |
| (583)                | 1996 10 12.37192 | 02 53 42.57 | +24 01 12.9 | 689 | (2502) | 1996 09 30.30615 | 00 31 15.10 | -00 32 57.7 | 689 |
| (583)                | 1996 10 13.36877 | 02 53 06.01 | +23 58 25.2 | 689 | (2572) | 1996 10 12.37753 | 03 01 48.76 | +14 50 22.0 | 689 |
| (694)                | 1996 10 12.17209 | 22 05 10.75 | +13 21 10.7 | 689 | (2572) | 1996 10 13.37429 | 03 01 04.88 | +14 45 05.7 | 689 |
| (694)                | 1996 10 13.16985 | 22 05 52.78 | +13 06 17.8 | 689 | (2660) | 1996 09 29.32208 | 00 50 19.42 | +10 17 17.1 | 689 |
| (712)                | 1996 09 16.15060 | 19 51 38.82 | -02 45 47.0 | 689 | (2660) | 1996 09 30.31882 | 00 49 32.79 | +10 06 49.5 | 689 |
| (712)                | 1996 09 29.11720 | 19 54 30.09 | -03 54 00.2 | 689 | (2660) | 1996 10 12.27951 | 00 40 17.37 | +07 58 12.4 | 689 |
| (712)                | 1996 09 30.11475 | 19 54 54.63 | -03 58 45.6 | 689 | (2660) | 1996 10 13.27628 | 00 39 33.54 | +07 47 30.6 | 689 |
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| (712)                | 1996 10 13.08441 | 20 02 30.94 | -04 52 15.9 | 689 | (2703) | 1996 09 30.23105 | 22 42 49.85 | -17 38 29.1 | 689 |
| (739)                | 1996 09 16.21529 | 21 25 03.03 | -21 27 43.7 | 689 | (2703) | 1996 10 12.19411 | 22 36 57.78 | -17 16 56.0 | 689 |
| (739)                | 1996 10 12.14144 | 21 20 55.25 | -23 01 18.7 | 689 | (2703) | 1996 10 13.19118 | 22 36 40.47 | -17 13 49.0 | 689 |
| (739)                | 1996 10 13.13882 | 21 21 04.12 | -23 02 46.2 | 689 | (2866) | 1996 10 12.31949 | 01 38 00.80 | +23 58 34.7 | 689 |
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| (953)                | 1996 10 12.08094 | 19 53 33.08 | -30 51 23.6 | 689 | (2920) | 1996 10 12.15263 | 21 37 04.47 | +10 26 59.3 | 689 |
| (955)                | 1996 09 29.10288 | 19 33 51.14 | -29 20 16.1 | 689 | (2920) | 1996 10 13.14985 | 21 37 00.18 | +10 22 00.9 | 689 |
| (955)                | 1996 09 30.10117 | 19 35 19.78 | -29 08 51.8 | 689 | (3057) | 1996 09 30.33406 | 01 11 33.71 | -04 21 24.0 | 689 |
| (1211)               | 1996 09 29.46086 | 04 10 43.46 | +03 28 41.7 | 689 | (3057) | 1996 10 13.28940 | 00 58 30.34 | -05 19 43.5 | 689 |
| (1211)               | 1996 09 30.45815 | 04 10 44.86 | +03 23 41.3 | 689 | (3075) | 1996 10 12.36313 | 02 41 01.28 | +32 05 39.9 | 689 |
| (1359)               | 1996 09 15.29937 | 23 22 30.56 | -21 38 40.6 | 689 | (3075) | 1996 10 13.35974 | 02 40 04.12 | +32 08 52.1 | 689 |
| (1359)               | 1996 09 16.29609 | 23 21 42.72 | -21 41 34.5 | 689 | (3209) | 1996 09 16.19530 | 20 56 10.50 | -20 11 38.8 | 689 |
| (1359)               | 1996 09 29.25399 | 23 12 00.27 | -22 02 12.0 | 689 | (3209) | 1996 09 29.15935 | 20 55 22.09 | -20 28 39.8 | 689 |
| (1359)               | 1996 09 30.25079 | 23 11 19.89 | -22 02 26.8 | 689 | (3257) | 1996 10 12.12949 | 21 03 40.04 | -23 21 45.9 | 689 |
| (1359)               | 1996 10 12.21322 | 23 04 33.93 | -21 50 06.3 | 689 | (3257) | 1996 10 13.12744 | 21 04 38.73 | -23 12 28.9 | 689 |

|        |                  |             |             |     |                                                                               |                  |             |             |            |
|--------|------------------|-------------|-------------|-----|-------------------------------------------------------------------------------|------------------|-------------|-------------|------------|
| (3354) | 1996 09 29.35974 | 01 44 41.86 | +20 50 08.3 | 689 | (5829)                                                                        | 1996 10 12.38110 | 03 06 58.09 | +25 12 28.7 | 689        |
| (3354) | 1996 09 30.35639 | 01 43 48.59 | +20 48 55.3 | 689 | (5829)                                                                        | 1996 10 13.37786 | 03 06 14.27 | +25 13 55.8 | 689        |
| (3354) | 1996 10 12.31526 | 01 31 54.49 | +20 17 43.0 | 689 | (5831)                                                                        | 1996 09 29.11260 | 19 47 53.61 | -36 01 10.8 | 689        |
| (3354) | 1996 10 13.31180 | 01 30 51.15 | +20 13 50.9 | 689 | (5831)                                                                        | 1996 09 30.11036 | 19 48 36.85 | -35 55 34.1 | 689        |
| (3376) | 1996 09 29.21729 | 22 19 00.39 | +00 17 05.4 | 689 | (5897)                                                                        | 1996 09 30.15257 | 20 49 31.25 | -16 00 39.0 | 689        |
| (3376) | 1996 09 30.21422 | 22 18 31.27 | +00 10 58.5 | 689 | (5971)                                                                        | 1996 09 29.48576 | 04 46 42.20 | +35 08 17.1 | 689        |
| (3422) | 1996 09 30.29829 | 00 19 54.41 | -21 44 41.4 | 689 | (5971)                                                                        | 1996 09 30.48316 | 04 46 54.25 | +35 10 55.0 | 689        |
| (3422) | 1996 10 12.25922 | 00 10 58.89 | -22 18 03.7 | 689 | (5971)                                                                        | 1996 10 12.45033 | 04 46 55.81 | +35 37 05.1 | 689        |
| (3512) | 1996 09 30.23423 | 22 47 25.01 | -21 10 44.2 | 689 | (6027)                                                                        | 1996 09 16.21159 | 21 19 42.44 | -23 25 13.7 | 689        |
| (3517) | 1996 10 12.14898 | 21 31 48.53 | -12 45 10.5 | 689 | (6027)                                                                        | 1996 09 29.17677 | 21 20 31.43 | -23 11 00.2 | 689        |
| (3517) | 1996 10 13.14657 | 21 32 15.94 | -12 45 27.8 | 689 | (6027)                                                                        | 1996 09 30.17424 | 21 20 49.30 | -23 08 29.8 | 689        |
| (3531) | 1996 09 30.40178 | 02 49 20.94 | +10 07 10.7 | 689 | (6027)                                                                        | 1996 10 13.14325 | 21 27 28.33 | -22 20 01.9 | 689        |
| (3643) | 1996 09 16.17645 | 20 28 56.81 | -39 21 59.9 | 689 | (6266)                                                                        | 1996 10 12.12544 | 20 57 49.05 | -15 43 10.7 | 689        |
| (3643) | 1996 09 30.13908 | 20 30 04.52 | -37 48 12.9 | 689 | (6333)                                                                        | 1996 09 15.34431 | 00 27 24.02 | -02 33 54.3 | 689        |
| (3753) | 1996 10 13.46598 | 05 13 27.57 | -39 27 55.1 | 689 | (6333)                                                                        | 1996 09 29.29690 | 00 13 57.45 | -04 10 07.9 | 689        |
| (3908) | 1996 09 29.16256 | 20 59 59.16 | +04 57 51.7 | 689 | (6333)                                                                        | 1996 09 30.29349 | 00 12 59.14 | -04 16 31.4 | 689        |
| (3995) | 1996 10 13.23227 | 23 36 00.82 | -18 31 59.7 | 689 | (6333)                                                                        | 1996 10 12.25304 | 00 02 03.49 | -05 22 30.7 | 689        |
| (4007) | 1996 09 15.30330 | 23 28 11.30 | -07 42 55.3 | 689 | (6333)                                                                        | 1996 10 13.24974 | 00 01 14.82 | -05 26 55.4 | 689        |
| (4057) | 1996 09 29.24214 | 22 54 53.72 | -09 16 31.4 | 689 | (6379)                                                                        | 1996 09 16.19833 | 21 00 32.64 | -35 22 39.7 | 689        |
| (4057) | 1996 09 30.23913 | 22 54 29.41 | -09 18 34.0 | 689 | (6379)                                                                        | 1996 09 30.15831 | 20 57 49.23 | -34 05 31.9 | 689        |
| (4057) | 1996 10 12.20329 | 22 50 13.94 | -09 38 14.9 | 689 | (6452)                                                                        | 1996 09 29.29379 | 00 09 27.75 | +01 40 05.4 | 689        |
| (4057) | 1996 10 13.20036 | 22 49 56.18 | -09 39 29.2 | 689 | (6452)                                                                        | 1996 09 30.29045 | 00 08 35.47 | +01 33 40.0 | 689        |
| (4078) | 1996 09 29.15473 | 20 48 42.75 | -31 45 09.6 | 689 | (7156)                                                                        | 1996 09 29.20074 | 21 55 06.81 | -06 52 57.5 | 689        |
| (4179) | 1996 09 16.12182 | 19 10 04.35 | -23 11 14.2 | 689 | (7162)                                                                        | 1996 09 29.21389 | 22 14 05.95 | -01 59 15.7 | 689        |
| (4194) | 1996 09 29.46486 | 04 16 30.72 | +11 49 29.7 | 689 | (7162)                                                                        | 1996 09 30.21096 | 22 13 48.95 | -02 06 13.9 | 689        |
| (4194) | 1996 10 12.42871 | 04 15 43.24 | +10 57 44.2 | 689 | (7164)                                                                        | 1996 09 29.18487 | 21 32 13.09 | -17 53 31.9 | 689        |
| (4194) | 1996 10 13.42581 | 04 15 28.39 | +10 53 24.3 | 689 | (7164)                                                                        | 1996 09 30.18208 | 21 32 07.59 | -17 54 14.9 | 689        |
| (4297) | 1996 09 29.31446 | 00 39 18.37 | -06 51 28.0 | 689 | (7170)                                                                        | 1996 09 29.23705 | 22 47 32.66 | +01 46 48.6 | 689        |
| (4297) | 1996 09 30.31110 | 00 38 24.61 | -06 58 18.0 | 689 | (7196)                                                                        | 1996 09 29.33268 | 01 05 37.64 | -05 25 36.6 | 689        |
| (4297) | 1996 10 12.27109 | 00 28 07.34 | -08 03 58.4 | 689 | <b>691 Kitt Peak, Steward Observatory</b>                                     |                  |             |             |            |
| (4297) | 1996 10 13.26782 | 00 27 20.75 | -08 07 53.4 | 689 | T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721, |                  |             |             |            |
| (4319) | 1996 09 29.17391 | 21 16 22.76 | -11 10 12.1 | 689 | U.S.A. [tgehrels@lpl.arizona.edu]                                             |                  |             |             |            |
| (4433) | 1996 09 29.25004 | 23 06 18.34 | -23 46 22.1 | 689 | Observers T. Gehrels, R. Jedicke, J. V. Scotti, J. Montani                    |                  |             |             |            |
| (4467) | 1996 09 30.19047 | 21 44 15.44 | -31 44 39.3 | 689 | Measurer J. V. Scotti                                                         |                  |             |             |            |
| (4743) | 1996 10 12.19767 | 22 42 06.32 | -09 54 34.9 | 689 | 0.91-m Spacewatch telescope + CCD                                             |                  |             |             |            |
| (4743) | 1996 10 13.19464 | 22 41 41.11 | -09 54 38.9 | 689 | GSC                                                                           |                  |             |             |            |
| (4776) | 1996 09 15.32051 | 23 52 46.74 | -02 50 26.3 | 689 | 1978 VH <sub>10</sub>                                                         | 1995 02 04.49094 | 11 51 04.14 | +05 34 44.3 | 691        |
| (4845) | 1996 09 30.28185 | 23 56 10.04 | -06 52 04.4 | 689 | 1978 VH <sub>10</sub>                                                         | 1995 02 04.52035 | 11 51 03.51 | +05 34 50.5 | 691        |
| (4878) | 1996 10 12.28779 | 00 52 14.43 | +11 35 40.7 | 689 | 1978 VH <sub>10</sub>                                                         | 1995 02 04.54239 | 11 51 03.05 | +05 34 54.7 | 18.9 V 691 |
| (4878) | 1996 10 13.28451 | 00 51 26.47 | +11 25 29.7 | 689 | 1979 MG <sub>4</sub>                                                          | 1996 09 08.39652 | 00 00 01.41 | -00 35 24.0 | 18.5 V 691 |
| (4943) | 1996 09 16.42336 | 02 25 28.42 | +27 06 52.6 | 689 | 1979 MG <sub>4</sub>                                                          | 1996 09 08.41765 | 00 00 00.51 | -00 35 30.0 | 691        |
| (4943) | 1996 09 30.38340 | 02 22 48.70 | +26 32 47.2 | 689 | 1981 GO                                                                       | 1995 02 07.21396 | 09 06 27.14 | +13 54 56.4 | 16.5 V 691 |
| (5023) | 1996 09 29.20951 | 22 07 46.74 | -03 49 02.3 | 689 | 1981 GO                                                                       | 1995 02 07.23629 | 09 06 25.72 | +13 55 04.8 | 691        |
| (5068) | 1996 09 29.43578 | 03 34 30.60 | +16 03 34.5 | 689 | 1981 GO                                                                       | 1995 02 07.27604 | 09 06 23.28 | +13 55 20.0 | 691        |
| (5068) | 1996 09 30.43296 | 03 34 23.17 | +15 58 49.3 | 689 | 1985 SG <sub>3</sub>                                                          | 1991 11 29.29681 | 03 23 46.41 | +15 29 21.8 | 18.2 V 691 |
| (5072) | 1996 10 12.45365 | 04 51 43.54 | +24 28 04.5 | 689 | 1985 SG <sub>3</sub>                                                          | 1991 11 29.31882 | 03 23 45.42 | +15 29 15.4 | 691        |
| (5209) | 1996 10 12.26751 | 00 22 56.09 | +11 50 32.6 | 689 | 1985 SG <sub>3</sub>                                                          | 1991 11 29.33978 | 03 23 44.43 | +15 29 07.4 | 691        |
| (5433) | 1996 10 12.33014 | 01 53 23.23 | +25 29 15.4 | 689 | 1988 RA <sub>3</sub>                                                          | 1995 04 05.40538 | 12 44 59.03 | -03 54 52.2 | 18.7 V 691 |
| (5433) | 1996 10 13.32686 | 01 52 35.70 | +25 24 59.9 | 689 | 1988 RA <sub>3</sub>                                                          | 1995 04 05.42767 | 12 44 57.86 | -03 54 43.9 | 691        |
| (5629) | 1996 10 12.33682 | 02 03 01.94 | -01 28 54.1 | 689 | 1989 CO <sub>5</sub>                                                          | 1994 05 15.22151 | 15 03 29.76 | -11 59 20.0 | 691        |
| (5629) | 1996 10 13.33360 | 02 02 19.94 | -01 35 23.5 | 689 | 1989 CO <sub>5</sub>                                                          | 1994 05 15.28859 | 15 03 25.95 | -11 59 04.9 | 17.1 V 691 |
| (5746) | 1996 09 16.10446 | 18 44 59.82 | -28 10 27.0 | 689 | 1989 CO <sub>5</sub>                                                          | 1994 05 15.35470 | 15 03 22.13 | -11 58 51.1 | 691        |

|                       |                    |             |             |        |     |                       |                  |             |             |            |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|------------------|-------------|-------------|------------|
| 1991 EJ <sub>1</sub>  | 1995 06 22.24141   | 15 16 50.31 | −06 34 11.1 | 17.5 V | 691 | 1996 RZ <sub>1</sub>  | 1996 09 14.21774 | 23 09 44.43 | −08 09 08.7 | 691        |
| 1991 EJ <sub>1</sub>  | 1995 06 22.27035   | 15 16 49.69 | −06 34 16.1 |        | 691 | 1996 RZ <sub>1</sub>  | 1996 09 14.23893 | 23 09 43.39 | −08 09 17.2 | 19.2 V 691 |
| 1991 EJ <sub>1</sub>  | 1995 06 22.29835   | 15 16 49.10 | −06 34 22.2 |        | 691 | 1996 RA <sub>2</sub>  | 1996 09 11.18942 | 23 13 16.52 | −09 09 56.5 | 17.9 V 691 |
| 1991 FB <sub>4</sub>  | 1995 02 02.25289   | 09 57 30.44 | +16 08 05.2 | 16.8 V | 691 | 1996 RA <sub>2</sub>  | 1996 09 11.23233 | 23 13 14.44 | −09 10 10.4 | 691        |
| 1991 FB <sub>4</sub>  | 1995 02 02.27569   | 09 57 29.25 | +16 08 10.2 |        | 691 | 1996 RA <sub>2</sub>  | 1996 09 17.34647 | 23 08 29.93 | −09 42 47.5 | 691        |
| 1991 FB <sub>4</sub>  | 1995 02 02.29871   | 09 57 28.03 | +16 08 15.6 |        | 691 | 1996 RA <sub>2</sub>  | 1996 09 17.36827 | 23 08 28.88 | −09 42 54.2 | 18.4 V 691 |
| 1991 GY <sub>4</sub>  | 1993 01 24.14013   | 01 13 18.22 | +07 10 11.2 | 20.0 V | 691 | 1996 RG <sub>2</sub>  | 1996 09 11.33034 | 23 19 44.79 | −04 52 24.5 | 17.6 V 691 |
| 1991 GY <sub>4</sub>  | 1993 01 24.14768   | 01 13 18.80 | +07 10 15.4 |        | 691 | 1996 RG <sub>2</sub>  | 1996 09 11.35174 | 23 19 43.78 | −04 52 31.9 | 691        |
| 1991 GA <sub>6</sub>  | 1993 12 08.15570   | 02 26 04.76 | +15 36 34.0 |        | 691 | 1996 RG <sub>2</sub>  | 1996 09 11.37344 | 23 19 42.75 | −04 52 39.2 | 691        |
| 1991 GA <sub>6</sub>  | 1993 12 08.17650   | 02 26 04.20 | +15 36 31.1 | 18.3 V | 691 | 1996 RU <sub>2</sub>  | 1996 09 11.33842 | 23 31 25.18 | −04 37 12.0 | 17.4 V 691 |
| 1991 GA <sub>6</sub>  | 1993 12 08.19716   | 02 26 03.67 | +15 36 28.4 |        | 691 | 1996 RU <sub>2</sub>  | 1996 09 11.35982 | 23 31 23.84 | −04 37 19.9 | 691        |
| 1991 RK <sub>36</sub> | 1991 10 05.11448   | 23 28 24.21 | +02 22 40.5 |        | 691 | 1996 RU <sub>2</sub>  | 1996 09 11.38152 | 23 31 22.50 | −04 37 27.6 | 691        |
| 1991 RK <sub>36</sub> | 1991 10 05.13625   | 23 28 23.23 | +02 22 37.2 |        | 691 | 1996 RY <sub>2</sub>  | 1996 09 12.24509 | 23 10 31.48 | −00 33 12.1 | 18.1 V 691 |
| 1991 RK <sub>36</sub> | 1991 10 05.15917   | 23 28 22.20 | +02 22 34.2 | 18.1 V | 691 | 1996 RY <sub>2</sub>  | 1996 09 12.26617 | 23 10 30.63 | −00 33 31.1 | 691        |
| 1992 EM <sub>18</sub> | 1994 10 26.29513   | 02 27 29.17 | +12 54 37.4 |        | 691 | 1996 RY <sub>2</sub>  | 1996 09 12.28727 | 23 10 29.79 | −00 33 50.1 | 691        |
| 1992 EM <sub>18</sub> | 1994 10 26.31730   | 02 27 27.96 | +12 54 28.1 | 17.5 V | 691 | 1996 RG <sub>3</sub>  | 1996 10 05.12388 | 22 17 55.15 | −14 25 21.3 | 18.9 V 691 |
| 1992 EM <sub>18</sub> | 1994 10 26.34750   | 02 27 26.34 | +12 54 15.6 |        | 691 | 1996 RG <sub>3</sub>  | 1996 10 05.13002 | 22 17 54.36 | −14 25 27.8 | 18.8 V 691 |
| 1992 JW <sub>4</sub>  | * 1992 05 07.43300 | 15 45 49.80 | −06 22 10.8 |        | 691 | 1996 RG <sub>3</sub>  | 1996 10 05.13741 | 22 17 53.40 | −14 25 35.5 | 18.8 V 691 |
| 1992 JW <sub>4</sub>  | 1992 05 07.44564   | 15 45 49.13 | −06 22 06.3 | 17.9 V | 691 | 1996 RM <sub>3</sub>  | 1996 09 11.24837 | 23 01 39.92 | −09 48 53.0 | 691        |
| 1992 JW <sub>4</sub>  | 1992 05 07.45907   | 15 45 48.44 | −06 22 02.0 |        | 691 | 1996 RM <sub>3</sub>  | 1996 09 11.26990 | 23 01 38.57 | −09 48 50.9 | 16.7 V 691 |
| 1992 WQ <sub>9</sub>  | * 1992 11 17.32705 | 03 13 31.18 | +11 51 32.2 | 17.6 V | 691 | 1996 RM <sub>3</sub>  | 1996 09 11.29163 | 23 01 37.21 | −09 48 48.9 | 691        |
| 1992 WQ <sub>9</sub>  | 1992 11 17.35258   | 03 13 29.73 | +11 51 29.1 |        | 691 | 1996 RS <sub>3</sub>  | 1996 09 12.31694 | 23 52 01.88 | −01 54 55.2 | 691        |
| 1992 WQ <sub>9</sub>  | 1992 11 17.37824   | 03 13 28.28 | +11 51 25.7 |        | 691 | 1996 RS <sub>3</sub>  | 1996 09 12.33842 | 23 52 00.72 | −01 55 00.5 | 18.3 V 691 |
| 1993 FF <sub>76</sub> | 1995 11 14.09105   | 01 14 19.07 | +08 39 11.0 |        | 691 | 1996 RS <sub>3</sub>  | 1996 09 12.36513 | 23 51 59.28 | −01 55 07.3 | 691        |
| 1993 FF <sub>76</sub> | 1995 11 14.11222   | 01 14 18.38 | +08 39 06.6 | 19.2 V | 691 | 1996 RW <sub>3</sub>  | 1996 09 12.31690 | 23 51 58.30 | −01 45 33.4 | 691        |
| 1993 FF <sub>76</sub> | 1995 11 14.13355   | 01 14 17.66 | +08 39 02.1 |        | 691 | 1996 RW <sub>3</sub>  | 1996 09 12.33839 | 23 51 57.28 | −01 45 43.8 | 18.1 V 691 |
| 1994 CV <sub>16</sub> | 1992 11 26.44644   | 04 59 23.47 | +19 58 12.1 |        | 691 | 1996 RW <sub>3</sub>  | 1996 09 12.36509 | 23 51 55.99 | −01 45 57.2 | 691        |
| 1994 CV <sub>16</sub> | 1992 11 26.47095   | 04 59 22.10 | +19 58 09.5 |        | 691 | 1996 RL <sub>4</sub>  | 1992 09 29.21194 | 23 56 21.33 | +02 35 38.5 | 691        |
| 1994 CV <sub>16</sub> | 1992 11 26.49371   | 04 59 20.83 | +19 58 09.0 | 18.2 V | 691 | 1996 RL <sub>4</sub>  | 1992 09 29.23591 | 23 56 19.74 | +02 35 40.2 | 16.8 V 691 |
| 1995 BZ <sub>1</sub>  | 1992 04 27.19500   | 13 37 48.01 | −03 01 17.9 | 20.7 V | 691 | 1996 RL <sub>4</sub>  | 1992 09 29.25881 | 23 56 18.18 | +02 35 42.3 | 691        |
| 1995 BZ <sub>1</sub>  | 1992 04 27.22093   | 13 37 46.73 | −03 01 10.8 |        | 691 | 1996 RL <sub>4</sub>  | 1996 09 21.23898 | 23 01 24.77 | −08 33 59.4 | 691        |
| 1995 BZ <sub>1</sub>  | 1992 04 27.24494   | 13 37 45.32 | −03 01 06.1 |        | 691 | 1996 RL <sub>4</sub>  | 1996 09 21.26025 | 23 01 23.46 | −08 33 56.7 | 18.0 V 691 |
| 1995 CA <sub>1</sub>  | 1996 09 21.30072   | 22 57 18.07 | −08 58 29.4 |        | 691 | 1996 RL <sub>4</sub>  | 1996 09 21.28126 | 23 01 22.14 | −08 33 53.6 | 691        |
| 1995 CA <sub>1</sub>  | 1996 09 21.32198   | 22 57 16.84 | −08 58 32.8 | 18.5 V | 691 | 1996 RP <sub>4</sub>  | 1996 09 12.31740 | 23 52 41.82 | −01 59 06.2 | 691        |
| 1995 CA <sub>1</sub>  | 1996 09 21.34310   | 22 57 15.64 | −08 58 35.6 |        | 691 | 1996 RP <sub>4</sub>  | 1996 09 12.33888 | 23 52 40.52 | −01 59 03.1 | 18.7 V 691 |
| 1995 CU <sub>10</sub> | * 1995 02 08.33844 | 09 14 38.54 | +12 48 04.5 | 17.5 V | 691 | 1996 RP <sub>4</sub>  | 1996 09 12.36559 | 23 52 38.89 | −01 58 59.8 | 691        |
| 1995 CU <sub>10</sub> | 1995 02 08.38207   | 09 14 35.69 | +12 48 20.7 |        | 691 | 1996 RX <sub>6</sub>  | 1996 09 19.24884 | 23 45 23.09 | −01 16 51.0 | 18.4 V 691 |
| 1995 DR <sub>6</sub>  | 1994 01 16.24436   | 08 05 36.39 | +22 57 54.2 |        | 691 | 1996 RX <sub>6</sub>  | 1996 09 19.27135 | 23 45 21.96 | −01 16 59.3 | 691        |
| 1995 DR <sub>6</sub>  | 1994 01 16.25323   | 08 05 35.94 | +22 57 56.4 |        | 691 | 1996 RO <sub>7</sub>  | 1996 09 15.38203 | 23 55 17.06 | −00 34 23.1 | 691        |
| 1995 DR <sub>6</sub>  | 1994 01 16.26225   | 08 05 35.46 | +22 57 57.9 | 19.2 V | 691 | 1996 RO <sub>7</sub>  | 1996 09 15.40307 | 23 55 15.96 | −00 34 28.1 | 20.8 V 691 |
| 1995 HO <sub>5</sub>  | * 1995 04 23.33415 | 13 49 05.58 | −04 29 37.7 | 18.6 V | 691 | 1996 RO <sub>7</sub>  | 1996 09 15.42444 | 23 55 14.82 | −00 34 34.7 | 691        |
| 1995 HO <sub>5</sub>  | 1995 04 23.35558   | 13 49 04.50 | −04 29 32.4 |        | 691 | 1996 RQ <sub>7</sub>  | 1996 09 22.37341 | 23 47 52.53 | −01 00 26.9 | 691        |
| 1995 HO <sub>5</sub>  | 1995 04 23.37705   | 13 49 03.42 | −04 29 26.8 |        | 691 | 1996 RQ <sub>7</sub>  | 1996 09 22.40326 | 23 47 50.70 | −01 00 30.5 | 21.2 V 691 |
| 1996 OO <sub>2</sub>  | 1992 01 29.23719   | 08 32 18.34 | +24 00 35.0 | 17.8 V | 691 | 1996 RQ <sub>7</sub>  | 1996 09 22.42782 | 23 47 49.24 | −01 00 34.0 | 691        |
| 1996 OO <sub>2</sub>  | 1992 01 29.26321   | 08 32 16.84 | +24 00 35.8 |        | 691 | 1996 RE <sub>11</sub> | 1996 09 21.31874 | 22 52 35.85 | −09 16 10.5 | 20.5 V 691 |
| 1996 OO <sub>2</sub>  | 1992 01 29.28932   | 08 32 15.33 | +24 00 36.5 |        | 691 | 1996 RE <sub>11</sub> | 1996 09 21.33987 | 22 52 35.26 | −09 16 13.6 | 691        |
| 1996 QE               | 1996 09 19.32627   | 23 52 23.76 | −01 57 22.0 |        | 691 | 1996 RR <sub>11</sub> | 1996 09 11.18270 | 23 03 33.94 | −09 02 12.2 | 19.2 V 691 |
| 1996 QE               | 1996 09 19.34778   | 23 52 22.85 | −01 57 40.0 | 16.8 V | 691 | 1996 RR <sub>11</sub> | 1996 09 11.22560 | 23 03 31.61 | −09 02 23.0 | 691        |
| 1996 QE               | 1996 09 19.37188   | 23 52 21.83 | −01 58 00.0 |        | 691 | 1996 RT <sub>11</sub> | 1996 09 21.30155 | 22 58 29.70 | −09 23 17.4 | 19.3 V 691 |
| 1996 RS               | 1996 09 11.24124   | 22 51 22.63 | −09 34 48.7 | 16.9 V | 691 | 1996 RT <sub>11</sub> | 1996 09 21.32281 | 22 58 28.73 | −09 23 21.6 | 691        |
| 1996 RS               | 1996 09 11.26277   | 22 51 21.16 | −09 34 41.5 |        | 691 | 1996 RX <sub>11</sub> | 1996 09 11.18704 | 23 09 50.29 | −09 04 09.7 | 19.7 V 691 |
| 1996 RS               | 1996 09 11.28450   | 22 51 19.68 | −09 34 33.4 |        | 691 | 1996 RX <sub>11</sub> | 1996 09 11.22995 | 23 09 48.12 | −09 04 30.7 | 691        |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RA <sub>12</sub> | 1996 09 11.18772   | 23 10 48.82 | -09 08 13.0 | 19.5 V | 691 | 1996 RK <sub>19</sub> | 1996 09 11.18252   | 23 03 18.79 | -09 03 38.0 | 18.7 V | 691 |
| 1996 RA <sub>12</sub> | 1996 09 11.23063   | 23 10 46.85 | -09 08 26.8 |        | 691 | 1996 RK <sub>19</sub> | 1996 09 11.22543   | 23 03 17.06 | -09 04 12.3 |        | 691 |
| 1996 RB <sub>12</sub> | 1996 09 11.18743   | 23 10 23.56 | -09 04 04.2 | 19.8 V | 691 | 1996 RL <sub>19</sub> | * 1996 09 07.21534 | 23 05 55.54 | -08 15 14.8 | 21.1 V | 691 |
| 1996 RB <sub>12</sub> | 1996 09 11.23033   | 23 10 20.74 | -09 04 17.5 |        | 691 | 1996 RL <sub>19</sub> | 1996 09 07.23761   | 23 05 54.52 | -08 15 22.4 |        | 691 |
| 1996 RC <sub>12</sub> | 1996 09 11.18797   | 23 11 10.55 | -09 09 08.1 | 19.0 V | 691 | 1996 RL <sub>19</sub> | 1996 09 07.25866   | 23 05 53.54 | -08 15 28.9 |        | 691 |
| 1996 RC <sub>12</sub> | 1996 09 11.23087   | 23 11 08.08 | -09 09 28.2 |        | 691 | 1996 RL <sub>19</sub> | 1996 09 17.23045   | 22 58 35.79 | -09 06 42.2 | 21.4 V | 691 |
| 1996 RD <sub>12</sub> | 1996 09 11.18890   | 23 12 31.31 | -08 59 59.4 | 19.6 V | 691 | 1996 RL <sub>19</sub> | 1996 09 17.25585   | 22 58 34.62 | -09 06 49.1 |        | 691 |
| 1996 RD <sub>12</sub> | 1996 09 11.23182   | 23 12 29.98 | -09 00 04.7 |        | 691 | 1996 RM <sub>19</sub> | * 1996 09 07.21587 | 23 06 40.88 | -08 24 21.8 | 18.6 V | 691 |
| 1996 RD <sub>12</sub> | 1996 09 17.23795   | 23 09 25.89 | -09 12 21.8 |        | 691 | 1996 RM <sub>19</sub> | 1996 09 07.23813   | 23 06 39.89 | -08 24 39.4 |        | 691 |
| 1996 RD <sub>12</sub> | 1996 09 17.26336   | 23 09 25.13 | -09 12 24.9 | 19.5 V | 691 | 1996 RM <sub>19</sub> | 1996 09 07.25918   | 23 06 38.96 | -08 24 55.0 |        | 691 |
| 1996 RQ <sub>13</sub> | 1996 09 05.36238   | 23 51 27.99 | -00 21 42.8 |        | 691 | 1996 RM <sub>19</sub> | 1996 09 08.28675   | 23 05 55.78 | -08 38 01.9 | 18.6 V | 691 |
| 1996 RQ <sub>13</sub> | 1996 09 05.38333   | 23 51 27.13 | -00 21 46.0 |        | 691 | 1996 RM <sub>19</sub> | 1996 09 08.30873   | 23 05 54.80 | -08 38 18.8 |        | 691 |
| 1996 RQ <sub>13</sub> | 1996 09 05.40567   | 23 51 26.17 | -00 21 51.7 | 17.9 V | 691 | 1996 RM <sub>19</sub> | 1996 09 11.18294   | 23 03 55.01 | -09 14 31.7 | 18.9 V | 691 |
| 1996 RY <sub>13</sub> | 1996 09 19.25059   | 23 47 55.29 | -01 12 36.9 |        | 691 | 1996 RM <sub>19</sub> | 1996 09 11.22585   | 23 03 53.15 | -09 15 03.8 |        | 691 |
| 1996 RY <sub>13</sub> | 1996 09 19.27311   | 23 47 54.12 | -01 12 41.9 | 20.0 V | 691 | 1996 RN <sub>19</sub> | * 1996 09 07.21663 | 23 07 47.33 | -08 07 41.6 | 20.7 V | 691 |
| 1996 RY <sub>13</sub> | 1996 09 19.29914   | 23 47 52.74 | -01 12 48.2 |        | 691 | 1996 RN <sub>19</sub> | 1996 09 07.23890   | 23 07 46.73 | -08 08 00.3 |        | 691 |
| 1996 RE <sub>14</sub> | 1996 09 19.27722   | 23 53 50.35 | -01 07 12.1 | 20.2 V | 691 | 1996 RN <sub>19</sub> | 1996 09 07.25996   | 23 07 46.16 | -08 08 17.9 |        | 691 |
| 1996 RE <sub>14</sub> | 1996 09 19.30326   | 23 53 49.61 | -01 07 17.6 |        | 691 | 1996 RN <sub>19</sub> | 1996 09 11.18456   | 23 06 15.36 | -09 02 27.2 | 20.7 V | 691 |
| 1996 RO <sub>14</sub> | 1996 09 08.25818   | 22 55 09.29 | -08 56 56.9 | 18.7 V | 691 | 1996 RN <sub>19</sub> | 1996 09 11.22748   | 23 06 14.19 | -09 03 02.7 |        | 691 |
| 1996 RO <sub>14</sub> | 1996 09 08.30126   | 22 55 07.98 | -08 57 02.7 |        | 691 | 1996 RO <sub>19</sub> | * 1996 09 07.23971 | 23 08 56.71 | -07 57 03.2 | 21.0 V | 691 |
| 1996 RT <sub>14</sub> | 1996 09 21.29432   | 22 48 02.67 | -08 59 24.3 | 19.7 V | 691 | 1996 RO <sub>19</sub> | 1996 09 07.26076   | 23 08 55.47 | -07 57 09.9 |        | 691 |
| 1996 RT <sub>14</sub> | 1996 09 21.33672   | 22 48 00.75 | -08 59 17.6 |        | 691 | 1996 RO <sub>19</sub> | 1996 09 21.30006   | 22 56 20.91 | -09 05 45.4 | 21.1 V | 691 |
| 1996 RF <sub>16</sub> | 1996 09 15.37779   | 23 49 09.47 | -00 31 35.3 | 20.8 V | 691 | 1996 RO <sub>19</sub> | 1996 09 21.32132   | 22 56 19.84 | -09 05 50.5 |        | 691 |
| 1996 RF <sub>16</sub> | 1996 09 15.42020   | 23 49 07.44 | -00 31 59.2 |        | 691 | 1996 RO <sub>19</sub> | 1996 09 21.34245   | 22 56 18.76 | -09 05 56.0 |        | 691 |
| 1996 RG <sub>16</sub> | 1996 09 19.24984   | 23 46 49.90 | -01 04 58.6 |        | 691 | 1996 RP <sub>19</sub> | * 1996 09 08.25557 | 22 51 22.99 | -08 55 28.5 |        | 691 |
| 1996 RG <sub>16</sub> | 1996 09 19.27235   | 23 46 48.90 | -01 05 09.6 | 19.6 V | 691 | 1996 RP <sub>19</sub> | 1996 09 08.27666   | 22 51 22.00 | -08 55 35.7 | 18.6 V | 691 |
| 1996 RG <sub>16</sub> | 1996 09 19.29839   | 23 46 47.77 | -01 05 22.4 |        | 691 | 1996 RP <sub>19</sub> | 1996 09 08.29864   | 22 51 20.95 | -08 55 43.2 |        | 691 |
| 1996 RH <sub>16</sub> | 1996 09 15.37806   | 23 49 32.47 | -00 30 10.5 |        | 691 | 1996 RP <sub>19</sub> | 1996 09 11.17274   | 22 49 11.19 | -09 11 56.4 | 18.8 V | 691 |
| 1996 RH <sub>16</sub> | 1996 09 15.42046   | 23 49 30.53 | -00 30 24.7 | 21.3 V | 691 | 1996 RP <sub>19</sub> | 1996 09 11.19436   | 22 49 10.18 | -09 12 03.7 |        | 691 |
| 1996 RS <sub>16</sub> | 1996 09 15.38016   | 23 52 34.41 | -00 25 52.1 | 20.0 V | 691 | 1996 RQ <sub>19</sub> | * 1996 09 08.26383 | 23 03 19.07 | -08 38 16.5 | 19.9 V | 691 |
| 1996 RS <sub>16</sub> | 1996 09 15.40120   | 23 52 33.49 | -00 25 57.8 |        | 691 | 1996 RQ <sub>19</sub> | 1996 09 08.30690   | 23 03 16.50 | -08 38 27.5 |        | 691 |
| 1996 RC <sub>17</sub> | 1996 09 22.37546   | 23 50 50.02 | -01 05 01.2 |        | 691 | 1996 RQ <sub>19</sub> | 1996 09 21.29671   | 22 51 30.29 | -09 27 03.9 |        | 691 |
| 1996 RC <sub>17</sub> | 1996 09 22.40531   | 23 50 48.45 | -01 05 09.6 | 21.1 V | 691 | 1996 RQ <sub>19</sub> | 1996 09 21.31797   | 22 51 29.17 | -09 27 07.7 | 20.1 V | 691 |
| 1996 RC <sub>17</sub> | 1996 09 22.42987   | 23 50 47.16 | -01 05 15.7 |        | 691 | 1996 RQ <sub>19</sub> | 1996 09 21.33909   | 22 51 28.07 | -09 27 11.5 |        | 691 |
| 1996 RR <sub>18</sub> | 1996 09 05.36564   | 23 56 10.95 | +00 05 14.2 | 21.4 V | 691 | 1996 RR <sub>19</sub> | * 1996 09 08.26776 | 23 08 59.67 | -08 55 45.4 | 19.5 V | 691 |
| 1996 RR <sub>18</sub> | 1996 09 05.38659   | 23 56 09.95 | +00 05 08.5 |        | 691 | 1996 RR <sub>19</sub> | 1996 09 08.28886   | 23 08 58.60 | -08 55 57.2 |        | 691 |
| 1996 RR <sub>18</sub> | 1996 09 05.40894   | 23 56 09.07 | +00 05 03.0 |        | 691 | 1996 RR <sub>19</sub> | 1996 09 08.31084   | 23 08 57.47 | -08 56 09.0 |        | 691 |
| 1996 RG <sub>19</sub> | 1996 09 22.40987   | 23 57 23.59 | -01 18 18.3 | 20.9 V | 691 | 1996 RR <sub>19</sub> | 1996 09 11.18485   | 23 06 40.24 | -09 21 40.6 | 19.8 V | 691 |
| 1996 RG <sub>19</sub> | 1996 09 22.43444   | 23 57 22.34 | -01 18 25.1 |        | 691 | 1996 RR <sub>19</sub> | 1996 09 11.22776   | 23 06 38.10 | -09 22 03.4 |        | 691 |
| 1996 RH <sub>19</sub> | * 1996 09 05.35916 | 23 46 49.46 | -00 12 54.7 |        | 691 | 1996 RS <sub>19</sub> | * 1996 09 08.26825 | 23 09 41.86 | -08 44 28.3 |        | 691 |
| 1996 RH <sub>19</sub> | 1996 09 05.38011   | 23 46 48.53 | -00 12 59.9 | 20.6 V | 691 | 1996 RS <sub>19</sub> | 1996 09 08.28935   | 23 09 40.84 | -08 44 37.0 | 19.2 V | 691 |
| 1996 RH <sub>19</sub> | 1996 09 05.40246   | 23 46 47.55 | -00 13 05.6 |        | 691 | 1996 RS <sub>19</sub> | 1996 09 08.31133   | 23 09 39.76 | -08 44 45.5 |        | 691 |
| 1996 RH <sub>19</sub> | 1996 09 08.40700   | 23 44 37.84 | -00 26 02.0 | 20.4 V | 691 | 1996 RS <sub>19</sub> | 1996 09 11.18538   | 23 07 26.24 | -09 03 17.2 | 19.3 V | 691 |
| 1996 RH <sub>19</sub> | 1996 09 08.44113   | 23 44 36.31 | -00 26 10.8 |        | 691 | 1996 RS <sub>19</sub> | 1996 09 11.22829   | 23 07 24.18 | -09 03 33.7 |        | 691 |
| 1996 RJ <sub>19</sub> | * 1996 09 05.38338 | 23 51 31.52 | +00 02 00.6 | 20.6 V | 691 | 1996 RT <sub>19</sub> | * 1996 09 08.26995 | 23 12 08.78 | -08 47 37.1 |        | 691 |
| 1996 RJ <sub>19</sub> | 1996 09 05.40572   | 23 51 30.63 | +00 01 52.8 |        | 691 | 1996 RT <sub>19</sub> | 1996 09 08.29104   | 23 12 07.60 | -08 47 46.0 | 20.1 V | 691 |
| 1996 RJ <sub>19</sub> | 1996 09 19.24654   | 23 42 04.12 | -01 24 57.0 |        | 691 | 1996 RT <sub>19</sub> | 1996 09 08.31302   | 23 12 06.38 | -08 47 55.0 |        | 691 |
| 1996 RJ <sub>19</sub> | 1996 09 19.26906   | 23 42 03.13 | -01 25 05.6 | 19.8 V | 691 | 1996 RT <sub>19</sub> | 1996 09 11.18682   | 23 09 31.21 | -09 06 53.4 |        | 691 |
| 1996 RJ <sub>19</sub> | 1996 09 19.29509   | 23 42 01.98 | -01 25 16.1 |        | 691 | 1996 RT <sub>19</sub> | 1996 09 11.22973   | 23 09 28.83 | -09 07 10.2 | 20.3 V | 691 |
| 1996 RK <sub>19</sub> | * 1996 09 07.21527 | 23 05 49.49 | -08 10 35.3 | 18.7 V | 691 | 1996 RU <sub>19</sub> | * 1996 09 08.32660 | 23 18 06.20 | -04 27 46.8 | 21.3 V | 691 |
| 1996 RK <sub>19</sub> | 1996 09 07.23754   | 23 05 48.58 | -08 10 53.4 |        | 691 | 1996 RU <sub>19</sub> | 1996 09 08.34770   | 23 18 05.09 | -04 27 50.9 |        | 691 |
| 1996 RK <sub>19</sub> | 1996 09 07.25859   | 23 05 47.73 | -08 11 10.3 |        | 691 | 1996 RU <sub>19</sub> | 1996 09 08.36863   | 23 18 03.97 | -04 27 54.7 |        | 691 |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RU <sub>19</sub> | 1996 09 11.32740   | 23 15 30.15 | -04 36 58.3 |        | 691 | 1996 RG <sub>20</sub> | * 1996 09 11.18999 | 23 14 05.73 | -09 16 46.4 |        | 691 |
| 1996 RU <sub>19</sub> | 1996 09 11.37050   | 23 15 27.84 | -04 37 05.9 | 20.9 V | 691 | 1996 RG <sub>20</sub> | 1996 09 11.23289   | 23 14 03.25 | -09 16 58.6 | 16.9 V | 691 |
| 1996 RV <sub>19</sub> | * 1996 09 08.32965 | 23 22 30.48 | -04 21 52.7 |        | 691 | 1996 RG <sub>20</sub> | 1996 09 17.34647   | 23 08 29.69 | -09 44 04.9 | 17.3 V | 691 |
| 1996 RV <sub>19</sub> | 1996 09 08.35075   | 23 22 29.29 | -04 21 58.6 | 19.0 V | 691 | 1996 RG <sub>20</sub> | 1996 09 17.36826   | 23 08 28.48 | -09 44 10.3 |        | 691 |
| 1996 RV <sub>19</sub> | 1996 09 08.37168   | 23 22 28.11 | -04 22 03.9 |        | 691 | 1996 RH <sub>20</sub> | * 1996 09 11.26623 | 22 56 20.52 | -09 35 17.0 | 19.5 V | 691 |
| 1996 RV <sub>19</sub> | 1996 09 11.33038   | 23 19 48.16 | -04 35 08.6 | 18.4 V | 691 | 1996 RH <sub>20</sub> | 1996 09 11.28796   | 22 56 19.29 | -09 35 22.2 |        | 691 |
| 1996 RV <sub>19</sub> | 1996 09 11.35178   | 23 19 46.94 | -04 35 14.1 |        | 691 | 1996 RH <sub>20</sub> | 1996 09 17.30756   | 22 51 17.99 | -09 56 42.2 |        | 691 |
| 1996 RW <sub>19</sub> | * 1996 09 08.33197 | 23 25 50.80 | -04 14 14.0 | 20.3 V | 691 | 1996 RH <sub>20</sub> | 1996 09 17.33454   | 22 51 16.63 | -09 56 47.5 | 19.8 V | 691 |
| 1996 RW <sub>19</sub> | 1996 09 08.35306   | 23 25 49.83 | -04 14 21.2 |        | 691 | 1996 RH <sub>20</sub> | 1996 09 17.35634   | 22 51 15.55 | -09 56 51.4 |        | 691 |
| 1996 RW <sub>19</sub> | 1996 09 11.33300   | 23 23 35.01 | -04 31 29.8 |        | 691 | 1996 RJ <sub>20</sub> | * 1996 09 12.20615 | 21 54 34.04 | +04 36 27.9 |        | 691 |
| 1996 RW <sub>19</sub> | 1996 09 11.35440   | 23 23 34.00 | -04 31 37.5 | 19.7 V | 691 | 1996 RJ <sub>20</sub> | 1996 09 12.22728   | 21 54 33.36 | +04 36 10.3 | 21.0 V | 691 |
| 1996 RW <sub>19</sub> | 1996 09 11.37610   | 23 23 32.98 | -04 31 45.0 |        | 691 | 1996 RJ <sub>20</sub> | 1996 09 13.19242   | 21 54 07.75 | +04 23 02.2 |        | 691 |
| 1996 RX <sub>19</sub> | * 1996 09 08.33229 | 23 26 18.82 | -04 25 24.1 | 19.7 V | 691 | 1996 RJ <sub>20</sub> | 1996 09 13.21391   | 21 54 07.11 | +04 22 44.9 | 20.8 V | 691 |
| 1996 RX <sub>19</sub> | 1996 09 08.37432   | 23 26 16.54 | -04 25 43.9 |        | 691 | 1996 RJ <sub>20</sub> | 1996 09 13.23578   | 21 54 06.51 | +04 22 26.9 |        | 691 |
| 1996 RX <sub>19</sub> | 1996 09 11.33305   | 23 23 39.96 | -04 48 44.3 | 19.3 V | 691 | 1996 RK <sub>20</sub> | * 1996 09 14.23417 | 23 02 50.98 | -08 10 59.8 |        | 691 |
| 1996 RX <sub>19</sub> | 1996 09 11.35445   | 23 23 38.78 | -04 48 55.0 |        | 691 | 1996 RK <sub>20</sub> | 1996 09 14.25546   | 23 02 49.94 | -08 11 06.4 | 20.7 V | 691 |
| 1996 RX <sub>19</sub> | 1996 09 11.37615   | 23 23 37.58 | -04 49 05.3 |        | 691 | 1996 RK <sub>20</sub> | 1996 09 15.21039   | 23 02 04.86 | -08 16 01.7 |        | 691 |
| 1996 RY <sub>19</sub> | * 1996 09 08.33423 | 23 29 07.29 | -04 24 16.8 |        | 691 | 1996 RK <sub>20</sub> | 1996 09 15.21634   | 23 02 04.54 | -08 16 04.0 | 20.3 V | 691 |
| 1996 RY <sub>19</sub> | 1996 09 08.35533   | 23 29 06.13 | -04 24 26.0 |        | 691 | 1996 RK <sub>20</sub> | 1996 09 15.22241   | 23 02 04.35 | -08 16 06.5 |        | 691 |
| 1996 RY <sub>19</sub> | 1996 09 08.37627   | 23 29 05.03 | -04 24 34.9 | 17.4 V | 691 | 1996 RK <sub>20</sub> | 1996 09 21.23627   | 22 57 30.09 | -08 45 27.8 | 20.1 V | 691 |
| 1996 RY <sub>19</sub> | 1996 09 11.33505   | 23 26 32.58 | -04 45 33.2 | 17.1 V | 691 | 1996 RK <sub>20</sub> | 1996 09 21.25755   | 22 57 29.12 | -08 45 33.9 |        | 691 |
| 1996 RY <sub>19</sub> | 1996 09 11.35645   | 23 26 31.41 | -04 45 42.5 |        | 691 | 1996 RK <sub>20</sub> | 1996 09 21.27856   | 22 57 28.17 | -08 45 39.3 |        | 691 |
| 1996 RZ <sub>19</sub> | * 1996 09 08.38990 | 23 50 27.54 | -00 39 36.8 | 19.0 V | 691 | 1996 RL <sub>20</sub> | * 1996 09 14.23716 | 23 07 10.64 | -08 17 23.3 | 20.4 V | 691 |
| 1996 RZ <sub>19</sub> | 1996 09 08.41103   | 23 50 26.55 | -00 39 42.7 |        | 691 | 1996 RL <sub>20</sub> | 1996 09 14.25845   | 23 07 09.35 | -08 17 21.7 |        | 691 |
| 1996 RZ <sub>19</sub> | 1996 09 08.44515   | 23 50 24.97 | -00 39 52.1 |        | 691 | 1996 RL <sub>20</sub> | 1996 09 20.26875   | 23 01 36.13 | -08 07 09.4 |        | 691 |
| 1996 RZ <sub>19</sub> | 1996 09 19.31901   | 23 41 54.22 | -01 32 03.2 |        | 691 | 1996 RL <sub>20</sub> | 1996 09 20.29066   | 23 01 34.95 | -08 07 07.4 |        | 691 |
| 1996 RZ <sub>19</sub> | 1996 09 19.34051   | 23 41 53.19 | -01 32 09.2 | 18.9 V | 691 | 1996 RL <sub>20</sub> | 1996 09 20.31608   | 23 01 33.56 | -08 07 04.3 | 20.2 V | 691 |
| 1996 RA <sub>20</sub> | * 1996 09 08.46898 | 02 30 40.96 | +13 43 52.0 | 21.2 V | 691 | 1996 RM <sub>20</sub> | * 1996 09 14.23720 | 23 07 13.78 | -08 03 33.0 | 20.1 V | 691 |
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| 1996 RA <sub>20</sub> | 1996 09 08.49745   | 02 30 41.61 | +13 43 47.8 |        | 691 | 1996 RM <sub>20</sub> | 1996 09 21.23860   | 23 00 52.31 | -08 38 49.3 | 20.0 V | 691 |
| 1996 RA <sub>20</sub> | 1996 09 12.41411   | 02 32 05.77 | +13 30 50.0 | 21.4 V | 691 | 1996 RM <sub>20</sub> | 1996 09 21.28089   | 23 00 50.02 | -08 39 01.1 |        | 691 |
| 1996 RA <sub>20</sub> | 1996 09 12.43604   | 02 32 06.11 | +13 30 45.0 |        | 691 | 1996 RN <sub>20</sub> | * 1996 09 15.37643 | 23 47 11.83 | -00 47 39.0 | 21.4 V | 691 |
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| 1996 RB <sub>20</sub> | 1996 09 17.35948   | 22 55 47.70 | -09 29 09.2 |        | 691 | 1996 RN <sub>20</sub> | 1996 09 19.29663   | 23 44 15.12 | -01 06 16.5 |        | 691 |
| 1996 RC <sub>20</sub> | * 1996 09 11.18647 | 23 09 01.05 | -09 22 08.5 | 20.3 V | 691 | 1996 RO <sub>20</sub> | * 1996 09 15.38760 | 00 03 18.89 | -00 29 36.1 | 21.1 V | 691 |
| 1996 RC <sub>20</sub> | 1996 09 11.22938   | 23 08 58.79 | -09 22 14.0 |        | 691 | 1996 RO <sub>20</sub> | 1996 09 15.40864   | 00 03 18.27 | -00 29 43.4 |        | 691 |
| 1996 RC <sub>20</sub> | 1996 09 17.34326   | 23 03 51.69 | -09 34 27.0 |        | 691 | 1996 RO <sub>20</sub> | 1996 09 15.43001   | 00 03 17.72 | -00 29 51.3 |        | 691 |
| 1996 RC <sub>20</sub> | 1996 09 17.36506   | 23 03 50.59 | -09 34 29.6 | 21.7 V | 691 | 1996 RO <sub>20</sub> | 1996 09 22.41182   | 00 00 11.87 | -01 12 59.9 | 21.2 V | 691 |
| 1996 RD <sub>20</sub> | * 1996 09 11.18679 | 23 09 28.71 | -09 17 00.5 |        | 691 | 1996 RO <sub>20</sub> | 1996 09 22.43638   | 00 00 11.15 | -01 13 09.1 |        | 691 |
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| 1996 RD <sub>20</sub> | 1996 09 17.34386   | 23 04 43.90 | -09 50 00.1 | 21.0 V | 691 | 1996 RP <sub>20</sub> | 1996 09 15.42307   | 23 53 16.33 | -00 50 35.5 |        | 691 |
| 1996 RD <sub>20</sub> | 1996 09 17.36566   | 23 04 42.86 | -09 50 06.8 |        | 691 | 1996 RP <sub>20</sub> | 1996 09 19.25190   | 23 49 48.25 | -01 16 20.0 | 20.2 V | 691 |
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| 1996 RE <sub>20</sub> | 1996 09 11.22992   | 23 09 45.48 | -09 15 45.8 |        | 691 | 1996 RP <sub>20</sub> | 1996 09 19.30044   | 23 49 45.46 | -01 16 39.5 |        | 691 |
| 1996 RE <sub>20</sub> | 1996 09 17.34426   | 23 05 18.71 | -09 42 26.0 |        | 691 | 1996 RS <sub>20</sub> | * 1996 09 05.35653 | 23 43 01.07 | +00 00 44.9 |        | 691 |
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| 1996 RF <sub>20</sub> | * 1996 09 11.18990 | 23 13 57.63 | -08 59 31.9 | 19.7 V | 691 | 1996 RS <sub>20</sub> | 1996 09 05.39982   | 23 42 59.36 | +00 00 20.7 | 18.9 V | 691 |
| 1996 RF <sub>20</sub> | 1996 09 11.23281   | 23 13 55.63 | -08 59 44.8 |        | 691 | 1996 RS <sub>20</sub> | 1996 09 08.38344   | 23 41 08.18 | -00 28 13.2 | 18.9 V | 691 |
| 1996 RF <sub>20</sub> | 1996 09 17.34708   | 23 09 22.37 | -09 30 12.4 |        | 691 | 1996 RS <sub>20</sub> | 1996 09 08.40457   | 23 41 07.30 | -00 28 25.8 |        | 691 |
| 1996 RF <sub>20</sub> | 1996 09 17.36888   | 23 09 21.39 | -09 30 18.9 | 20.0 V | 691 | 1996 RS <sub>20</sub> | 1996 09 08.43870   | 23 41 05.88 | -00 28 45.4 |        | 691 |

|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RT <sub>20</sub> | * 1996 09 05.35843 | 23 45 45.73 | -00 20 53.8 | 20.1 V | 691 | 1996 RA <sub>21</sub> | 1996 09 19.34114   | 23 42 47.94 | -01 40 20.6 |        | 691 |
| 1996 RT <sub>20</sub> | 1996 09 05.37938   | 23 45 45.05 | -00 20 50.9 |        | 691 | 1996 RA <sub>21</sub> | 1996 09 19.36524   | 23 42 46.67 | -01 40 31.4 | 20.5 V | 691 |
| 1996 RT <sub>20</sub> | 1996 09 05.40173   | 23 45 44.35 | -00 20 47.2 |        | 691 | 1996 RB <sub>21</sub> | * 1996 09 05.37042 | 00 03 04.87 | -00 24 53.3 |        | 691 |
| 1996 RT <sub>20</sub> | 1996 09 13.33625   | 23 41 45.10 | -00 04 46.8 | 19.2 V | 691 | 1996 RB <sub>21</sub> | 1996 09 05.39137   | 00 03 03.90 | -00 25 04.5 |        | 691 |
| 1996 RT <sub>20</sub> | 1996 09 13.35741   | 23 41 44.30 | -00 04 44.9 |        | 691 | 1996 RB <sub>21</sub> | 1996 09 05.41371   | 00 03 02.86 | -00 25 16.4 | 19.9 V | 691 |
| 1996 RT <sub>20</sub> | 1996 09 13.37870   | 23 41 43.49 | -00 04 42.7 |        | 691 | 1996 RB <sub>21</sub> | 1996 09 08.39704   | 00 00 46.08 | -00 51 48.6 | 19.6 V | 691 |
| 1996 RT <sub>20</sub> | 1996 09 20.33522   | 23 37 53.94 | +00 05 13.3 | 19.5 V | 691 | 1996 RB <sub>21</sub> | 1996 09 08.45229   | 00 00 43.42 | -00 52 18.3 |        | 691 |
| 1996 RT <sub>20</sub> | 1996 09 20.36316   | 23 37 52.87 | +00 05 15.2 |        | 691 | 1996 RD <sub>21</sub> | * 1996 09 05.37117 | 00 04 09.67 | -00 21 53.2 |        | 691 |
| 1996 RT <sub>20</sub> | 1996 09 20.38783   | 23 37 51.96 | +00 05 16.9 |        | 691 | 1996 RD <sub>21</sub> | 1996 09 05.39212   | 00 04 08.79 | -00 22 03.8 | 21.0 V | 691 |
| 1996 RU <sub>20</sub> | * 1996 09 05.36018 | 23 48 17.70 | +00 03 06.8 |        | 691 | 1996 RD <sub>21</sub> | 1996 09 05.41446   | 00 04 07.82 | -00 22 15.2 |        | 691 |
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| 1996 RU <sub>20</sub> | 1996 09 05.40347   | 23 48 15.52 | +00 03 00.6 |        | 691 | 1996 RD <sub>21</sub> | 1996 09 08.41904   | 00 02 00.45 | -00 47 39.4 |        | 691 |
| 1996 RU <sub>20</sub> | 1996 09 13.33626   | 23 41 46.48 | -00 21 08.1 | 20.9 V | 691 | 1996 RD <sub>21</sub> | 1996 09 08.45316   | 00 01 58.95 | -00 47 57.2 | 20.6 V | 691 |
| 1996 RU <sub>20</sub> | 1996 09 13.35743   | 23 41 45.33 | -00 21 12.5 |        | 691 | 1996 RE <sub>21</sub> | * 1996 09 06.14625 | 21 56 04.58 | +04 52 58.6 |        | 691 |
| 1996 RU <sub>20</sub> | 1996 09 13.37870   | 23 41 44.18 | -00 21 17.0 |        | 691 | 1996 RE <sub>21</sub> | 1996 09 06.16911   | 21 56 03.41 | +04 52 55.0 | 20.4 V | 691 |
| 1996 RU <sub>20</sub> | 1996 09 15.37147   | 23 40 02.02 | -00 28 06.5 |        | 691 | 1996 RE <sub>21</sub> | 1996 09 06.19021   | 21 56 02.35 | +04 52 51.8 |        | 691 |
| 1996 RU <sub>20</sub> | 1996 09 15.39251   | 23 40 00.86 | -00 28 11.7 | 20.6 V | 691 | 1996 RE <sub>21</sub> | 1996 09 13.19009   | 21 50 46.12 | +04 29 21.3 | 21.1 V | 691 |
| 1996 RU <sub>20</sub> | 1996 09 15.41387   | 23 39 59.69 | -00 28 15.7 |        | 691 | 1996 RE <sub>21</sub> | 1996 09 13.21157   | 21 50 45.15 | +04 29 16.5 |        | 691 |
| 1996 RV <sub>20</sub> | * 1996 09 05.36041 | 23 48 37.12 | +00 00 25.6 | 20.2 V | 691 | 1996 RE <sub>21</sub> | 1996 09 13.23345   | 21 50 44.17 | +04 29 11.5 |        | 691 |
| 1996 RV <sub>20</sub> | 1996 09 05.38135   | 23 48 36.17 | +00 00 19.6 |        | 691 | 1996 RF <sub>21</sub> | * 1996 09 06.14831 | 21 59 02.99 | +04 47 48.2 | 20.4 V | 691 |
| 1996 RV <sub>20</sub> | 1996 09 05.40370   | 23 48 35.20 | +00 00 13.1 |        | 691 | 1996 RF <sub>21</sub> | 1996 09 06.17118   | 21 59 02.03 | +04 47 33.5 |        | 691 |
| 1996 RV <sub>20</sub> | 1996 09 15.37224   | 23 41 08.90 | -00 50 25.2 | 19.7 V | 691 | 1996 RF <sub>21</sub> | 1996 09 06.19228   | 21 59 01.12 | +04 47 19.7 |        | 691 |
| 1996 RV <sub>20</sub> | 1996 09 15.39328   | 23 41 07.90 | -00 50 33.0 |        | 691 | 1996 RF <sub>21</sub> | 1996 09 15.15424   | 21 53 34.33 | +03 08 20.7 | 20.5 V | 691 |
| 1996 RV <sub>20</sub> | 1996 09 15.41465   | 23 41 06.87 | -00 50 38.6 |        | 691 | 1996 RF <sub>21</sub> | 1996 09 15.17660   | 21 53 33.57 | +03 08 06.2 |        | 691 |
| 1996 RW <sub>20</sub> | * 1996 09 05.36045 | 23 48 41.08 | +00 01 30.9 | 20.9 V | 691 | 1996 RF <sub>21</sub> | 1996 09 15.19757   | 21 53 32.89 | +03 07 51.7 |        | 691 |
| 1996 RW <sub>20</sub> | 1996 09 05.38140   | 23 48 39.89 | +00 01 27.2 |        | 691 | 1996 RG <sub>21</sub> | * 1996 09 06.33888 | 23 08 55.82 | -03 47 10.6 | 20.7 V | 691 |
| 1996 RW <sub>20</sub> | 1996 09 05.40374   | 23 48 38.64 | +00 01 23.2 |        | 691 | 1996 RG <sub>21</sub> | 1996 09 06.35988   | 23 08 54.50 | -03 47 17.2 |        | 691 |
| 1996 RW <sub>20</sub> | 1996 09 13.33572   | 23 40 59.26 | -00 24 46.8 |        | 691 | 1996 RG <sub>21</sub> | 1996 09 06.38084   | 23 08 53.22 | -03 47 24.0 |        | 691 |
| 1996 RW <sub>20</sub> | 1996 09 13.35688   | 23 40 57.96 | -00 24 51.4 | 20.5 V | 691 | 1996 RG <sub>21</sub> | 1996 09 08.31887   | 23 06 56.34 | -03 57 26.9 |        | 691 |
| 1996 RW <sub>20</sub> | 1996 09 13.37816   | 23 40 56.59 | -00 24 55.9 |        | 691 | 1996 RG <sub>21</sub> | 1996 09 08.33996   | 23 06 55.02 | -03 57 32.6 | 21.1 V | 691 |
| 1996 RX <sub>20</sub> | * 1996 09 05.36103 | 23 49 31.04 | -00 10 38.0 | 19.1 V | 691 | 1996 RG <sub>21</sub> | 1996 09 08.36090   | 23 06 53.70 | -03 57 38.8 |        | 691 |
| 1996 RX <sub>20</sub> | 1996 09 05.38197   | 23 49 29.94 | -00 10 42.9 |        | 691 | 1996 RH <sub>21</sub> | * 1996 09 06.34417 | 23 16 34.24 | -03 46 24.9 | 21.1 V | 691 |
| 1996 RX <sub>20</sub> | 1996 09 05.40432   | 23 49 28.81 | -00 10 48.1 |        | 691 | 1996 RH <sub>21</sub> | 1996 09 06.36518   | 23 16 33.24 | -03 46 33.0 |        | 691 |
| 1996 RX <sub>20</sub> | 1996 09 15.37206   | 23 40 53.03 | -00 53 31.9 | 18.7 V | 691 | 1996 RH <sub>21</sub> | 1996 09 08.32449   | 23 15 03.00 | -03 59 18.8 |        | 691 |
| 1996 RX <sub>20</sub> | 1996 09 15.39310   | 23 40 51.85 | -00 53 38.7 |        | 691 | 1996 RH <sub>21</sub> | 1996 09 08.34558   | 23 15 01.98 | -03 59 27.5 | 20.8 V | 691 |
| 1996 RX <sub>20</sub> | 1996 09 15.41446   | 23 40 50.68 | -00 53 43.4 |        | 691 | 1996 RH <sub>21</sub> | 1996 09 08.36652   | 23 15 00.94 | -03 59 35.7 |        | 691 |
| 1996 RY <sub>20</sub> | * 1996 09 05.36286 | 23 52 10.11 | -00 24 12.0 | 20.7 V | 691 | 1996 RJ <sub>21</sub> | * 1996 09 06.35001 | 23 25 00.70 | -03 56 09.1 | 19.6 V | 691 |
| 1996 RY <sub>20</sub> | 1996 09 05.38381   | 23 52 08.81 | -00 24 14.9 |        | 691 | 1996 RJ <sub>21</sub> | 1996 09 06.37103   | 23 24 59.77 | -03 56 18.3 |        | 691 |
| 1996 RY <sub>20</sub> | 1996 09 05.40615   | 23 52 07.44 | -00 24 17.7 |        | 691 | 1996 RJ <sub>21</sub> | 1996 09 06.39199   | 23 24 58.81 | -03 56 27.6 |        | 691 |
| 1996 RY <sub>20</sub> | 1996 09 15.37267   | 23 41 46.12 | -00 52 16.0 |        | 691 | 1996 RJ <sub>21</sub> | 1996 09 08.33042   | 23 23 36.89 | -04 10 36.7 | 19.5 V | 691 |
| 1996 RY <sub>20</sub> | 1996 09 15.39371   | 23 41 44.73 | -00 52 21.1 | 19.9 V | 691 | 1996 RJ <sub>21</sub> | 1996 09 08.35152   | 23 23 35.92 | -04 10 46.1 |        | 691 |
| 1996 RY <sub>20</sub> | 1996 09 15.41507   | 23 41 43.32 | -00 52 23.8 |        | 691 | 1996 RJ <sub>21</sub> | 1996 09 08.37245   | 23 23 34.94 | -04 10 55.3 |        | 691 |
| 1996 RZ <sub>20</sub> | * 1996 09 05.36397 | 23 53 46.30 | -00 08 13.0 | 18.6 V | 691 | 1996 RK <sub>21</sub> | * 1996 09 06.35102 | 23 26 28.15 | -03 56 20.0 | 20.8 V | 691 |
| 1996 RZ <sub>20</sub> | 1996 09 05.38492   | 23 53 45.01 | -00 08 13.8 |        | 691 | 1996 RK <sub>21</sub> | 1996 09 06.37203   | 23 26 26.99 | -03 56 28.4 |        | 691 |
| 1996 RZ <sub>20</sub> | 1996 09 05.40726   | 23 53 43.62 | -00 08 14.5 |        | 691 | 1996 RK <sub>21</sub> | 1996 09 06.39299   | 23 26 25.78 | -03 56 40.0 |        | 691 |
| 1996 RZ <sub>20</sub> | 1996 09 20.33519   | 23 37 48.38 | -00 25 26.5 |        | 691 | 1996 RK <sub>21</sub> | 1996 09 08.33116   | 23 24 40.59 | -04 11 45.3 |        | 691 |
| 1996 RZ <sub>20</sub> | 1996 09 20.36312   | 23 37 46.47 | -00 25 28.7 | 17.6 V | 691 | 1996 RK <sub>21</sub> | 1996 09 08.35225   | 23 24 39.38 | -04 11 55.1 |        | 691 |
| 1996 RZ <sub>20</sub> | 1996 09 20.38779   | 23 37 44.80 | -00 25 31.1 |        | 691 | 1996 RK <sub>21</sub> | 1996 09 08.37318   | 23 24 38.17 | -04 12 04.9 | 20.9 V | 691 |
| 1996 RA <sub>21</sub> | * 1996 09 05.36423 | 23 54 08.83 | +00 01 55.2 |        | 691 | 1996 RL <sub>21</sub> | * 1996 09 06.35170 | 23 27 26.35 | -03 55 30.3 | 18.7 V | 691 |
| 1996 RA <sub>21</sub> | 1996 09 05.38518   | 23 54 07.82 | +00 01 46.4 | 20.7 V | 691 | 1996 RL <sub>21</sub> | 1996 09 06.37271   | 23 27 25.33 | -03 55 35.6 |        | 691 |
| 1996 RA <sub>21</sub> | 1996 09 05.40752   | 23 54 06.74 | +00 01 37.6 |        | 691 | 1996 RL <sub>21</sub> | 1996 09 06.39367   | 23 27 24.41 | -03 55 41.2 |        | 691 |
| 1996 RA <sub>21</sub> | 1996 09 19.31964   | 23 42 49.04 | -01 40 11.2 |        | 691 | 1996 RL <sub>21</sub> | 1996 09 08.33203   | 23 25 56.64 | -04 04 00.7 |        | 691 |

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|-----------------------|--------------------|-------------|-------------|--------|-----|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RL <sub>21</sub> | 1996 09 08.35313   | 23 25 55.78 | -04 04 05.9 |        | 691 | 1996 RV <sub>21</sub> | 1996 09 07.23895   | 23 07 50.91 | -08 15 15.5 |        | 691 |
| 1996 RL <sub>21</sub> | 1996 09 08.37407   | 23 25 54.75 | -04 04 11.1 | 18.5 V | 691 | 1996 RV <sub>21</sub> | 1996 09 07.26000   | 23 07 49.94 | -08 15 21.6 |        | 691 |
| 1996 RM <sub>21</sub> | * 1996 09 07.14144 | 21 41 54.57 | +04 10 22.6 | 18.3 V | 691 | 1996 RV <sub>21</sub> | 1996 09 17.23169   | 23 00 23.57 | -09 04 26.1 |        | 691 |
| 1996 RM <sub>21</sub> | 1996 09 07.16242   | 21 41 53.57 | +04 10 17.0 |        | 691 | 1996 RV <sub>21</sub> | 1996 09 17.25709   | 23 00 22.36 | -09 04 33.0 | 18.1 V | 691 |
| 1996 RM <sub>21</sub> | 1996 09 07.18459   | 21 41 52.50 | +04 10 11.2 |        | 691 | 1996 RV <sub>21</sub> | 1996 09 17.28936   | 23 00 20.89 | -09 04 42.2 |        | 691 |
| 1996 RM <sub>21</sub> | 1996 09 14.13775   | 21 36 51.78 | +03 36 32.7 | 18.5 V | 691 | 1996 RW <sub>21</sub> | * 1996 09 07.21743 | 23 08 56.39 | -08 04 34.1 |        | 691 |
| 1996 RM <sub>21</sub> | 1996 09 14.17967   | 21 36 50.06 | +03 36 20.0 |        | 691 | 1996 RW <sub>21</sub> | 1996 09 07.23970   | 23 08 55.40 | -08 04 43.1 | 19.4 V | 691 |
| 1996 RN <sub>21</sub> | * 1996 09 07.14634 | 21 48 58.74 | +04 08 09.5 |        | 691 | 1996 RW <sub>21</sub> | 1996 09 07.26074   | 23 08 54.48 | -08 04 50.9 |        | 691 |
| 1996 RN <sub>21</sub> | 1996 09 07.16731   | 21 48 57.73 | +04 08 04.2 | 20.3 V | 691 | 1996 RW <sub>21</sub> | 1996 09 17.23278   | 23 01 57.35 | -09 06 42.4 | 19.5 V | 691 |
| 1996 RN <sub>21</sub> | 1996 09 14.14265   | 21 43 56.68 | +03 36 34.4 |        | 691 | 1996 RW <sub>21</sub> | 1996 09 17.25818   | 23 01 56.20 | -09 06 51.1 |        | 691 |
| 1996 RN <sub>21</sub> | 1996 09 14.16355   | 21 43 55.85 | +03 36 29.0 |        | 691 | 1996 RW <sub>21</sub> | 1996 09 17.29044   | 23 01 54.84 | -09 07 02.4 |        | 691 |
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| 1996 RO <sub>21</sub> | * 1996 09 07.15191 | 21 57 01.73 | +04 18 02.0 | 20.9 V | 691 | 1996 RX <sub>21</sub> | 1996 09 07.24025   | 23 09 43.50 | -08 21 33.6 |        | 691 |
| 1996 RO <sub>21</sub> | 1996 09 07.17289   | 21 57 00.90 | +04 17 50.8 |        | 691 | 1996 RX <sub>21</sub> | 1996 09 07.26130   | 23 09 42.63 | -08 21 44.9 |        | 691 |
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| 1996 RO <sub>21</sub> | 1996 09 15.15354   | 21 52 33.65 | +03 05 18.2 | 21.4 V | 691 | 1996 RX <sub>21</sub> | 1996 09 08.31089   | 23 09 01.70 | -08 31 11.5 |        | 691 |
| 1996 RO <sub>21</sub> | 1996 09 15.17590   | 21 52 32.98 | +03 05 05.2 |        | 691 | 1996 RY <sub>21</sub> | * 1996 09 07.21810 | 23 09 54.66 | -07 55 27.7 |        | 691 |
| 1996 RP <sub>21</sub> | * 1996 09 07.20440 | 22 50 07.53 | -08 21 21.0 |        | 691 | 1996 RY <sub>21</sub> | 1996 09 07.24037   | 23 09 53.45 | -07 55 33.2 | 20.8 V | 691 |
| 1996 RP <sub>21</sub> | 1996 09 07.22666   | 22 50 06.42 | -08 21 29.3 | 19.7 V | 691 | 1996 RY <sub>21</sub> | 1996 09 07.26141   | 23 09 52.34 | -07 55 37.8 |        | 691 |
| 1996 RP <sub>21</sub> | 1996 09 07.24771   | 22 50 05.36 | -08 21 37.5 |        | 691 | 1996 RY <sub>21</sub> | 1996 09 21.23675   | 22 58 12.44 | -08 47 16.4 |        | 691 |
| 1996 RP <sub>21</sub> | 1996 09 08.25413   | 22 49 18.37 | -08 27 58.7 | 19.6 V | 691 | 1996 RY <sub>21</sub> | 1996 09 21.25804   | 22 58 11.42 | -08 47 20.6 | 20.6 V | 691 |
| 1996 RP <sub>21</sub> | 1996 09 08.29720   | 22 49 16.21 | -08 28 14.4 |        | 691 | 1996 RY <sub>21</sub> | 1996 09 21.27905   | 22 58 10.34 | -08 47 24.3 |        | 691 |
| 1996 RQ <sub>21</sub> | * 1996 09 07.20663 | 22 53 20.89 | -08 10 08.7 | 20.8 V | 691 | 1996 RZ <sub>21</sub> | * 1996 09 08.19050 | 21 38 07.89 | +03 33 49.8 | 20.3 V | 691 |
| 1996 RQ <sub>21</sub> | 1996 09 07.22889   | 22 53 19.67 | -08 10 15.2 |        | 691 | 1996 RZ <sub>21</sub> | 1996 09 08.21145   | 21 38 07.05 | +03 33 36.8 |        | 691 |
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| 1996 RQ <sub>21</sub> | 1996 09 14.26653   | 22 47 14.09 | -08 39 31.9 |        | 691 | 1996 RZ <sub>21</sub> | 1996 09 09.12362   | 21 37 32.18 | +03 24 05.0 |        | 691 |
| 1996 RQ <sub>21</sub> | 1996 09 14.28837   | 22 47 13.01 | -08 39 36.3 | 19.6 V | 691 | 1996 RZ <sub>21</sub> | 1996 09 09.16536   | 21 37 30.53 | +03 23 39.3 | 20.5 V | 691 |
| 1996 RR <sub>21</sub> | * 1996 09 07.20666 | 22 53 23.44 | -08 02 19.6 |        | 691 | 1996 RA <sub>22</sub> | * 1996 09 08.19439 | 21 43 45.16 | +03 33 46.6 | 20.5 V | 691 |
| 1996 RR <sub>21</sub> | 1996 09 07.22893   | 22 53 22.49 | -08 02 31.9 | 20.2 V | 691 | 1996 RA <sub>22</sub> | 1996 09 08.21535   | 21 43 44.33 | +03 33 36.1 |        | 691 |
| 1996 RR <sub>21</sub> | 1996 09 07.24997   | 22 53 21.61 | -08 02 44.3 |        | 691 | 1996 RA <sub>22</sub> | 1996 09 08.23635   | 21 43 43.52 | +03 33 25.0 |        | 691 |
| 1996 RR <sub>21</sub> | 1996 09 17.30498   | 22 47 03.87 | -09 33 26.9 | 20.3 V | 691 | 1996 RA <sub>22</sub> | 1996 09 09.12753   | 21 43 10.76 | +03 25 45.3 |        | 691 |
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| 1996 RR <sub>21</sub> | 1996 09 17.35376   | 22 47 02.11 | -09 33 51.4 |        | 691 | 1996 RA <sub>22</sub> | 1996 09 09.16927   | 21 43 09.23 | +03 25 22.6 |        | 691 |
| 1996 RS <sub>21</sub> | * 1996 09 07.21426 | 23 04 21.96 | -08 06 13.5 |        | 691 | 1996 RB <sub>22</sub> | * 1996 09 08.19766 | 21 48 28.34 | +03 37 10.9 |        | 691 |
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| 1996 RS <sub>21</sub> | 1996 09 21.29788   | 22 53 11.89 | -09 13 27.0 |        | 691 | 1996 RB <sub>22</sub> | 1996 09 15.14777   | 21 44 14.41 | +03 00 28.0 |        | 691 |
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| 1996 RS <sub>21</sub> | 1996 09 21.34027   | 22 53 10.02 | -09 13 36.8 | 19.5 V | 691 | 1996 RB <sub>22</sub> | 1996 09 15.19111   | 21 44 12.87 | +03 00 14.6 |        | 691 |
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| 1996 RT <sub>21</sub> | 1996 09 07.23666   | 23 04 32.42 | -08 06 35.3 |        | 691 | 1996 RC <sub>22</sub> | 1996 09 08.23966   | 21 48 30.08 | +03 46 04.7 |        | 691 |
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| 1996 RU <sub>21</sub> | 1996 09 07.25823   | 23 05 16.25 | -08 06 40.6 |        | 691 | 1996 RD <sub>22</sub> | 1996 09 11.17161   | 22 47 02.61 | -09 05 16.8 | 18.8 V | 691 |
| 1996 RU <sub>21</sub> | 1996 09 17.23008   | 22 58 03.90 | -09 08 53.6 | 20.6 V | 691 | 1996 RD <sub>22</sub> | 1996 09 11.19321   | 22 47 01.52 | -09 05 24.3 |        | 691 |
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|                       |                    |             |             |        |     |                       |                    |             |             |        |     |
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| 1996 RE <sub>22</sub> | 1996 09 08.30079   | 22 54 27.38 | -08 30 59.9 |        | 691 | 1996 RO <sub>22</sub> | 1996 09 11.20289   | 23 01 28.63 | -09 09 11.3 | 18.5 V | 691 |
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| 1996 RF <sub>22</sub> | 1996 09 11.22038   | 22 55 58.86 | -09 00 21.8 |        | 691 | 1996 RP <sub>22</sub> | 1996 09 17.28700   | 22 56 56.67 | -09 18 01.7 |        | 691 |
| 1996 RF <sub>22</sub> | 1996 09 17.22465   | 22 50 13.63 | -09 11 16.0 |        | 691 | 1996 RQ <sub>22</sub> | * 1996 09 11.18314 | 23 04 12.11 | -09 02 33.7 | 20.6 V | 691 |
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| 1996 RF <sub>22</sub> | 1996 09 17.28231   | 22 50 10.38 | -09 11 21.6 |        | 691 | 1996 RQ <sub>22</sub> | 1996 09 17.23061   | 22 58 50.09 | -09 09 01.9 | 20.5 V | 691 |
| 1996 RG <sub>22</sub> | * 1996 09 08.26136 | 22 59 44.77 | -08 39 51.6 | 20.0 V | 691 | 1996 RQ <sub>22</sub> | 1996 09 17.25601   | 22 58 48.65 | -09 09 03.1 |        | 691 |
| 1996 RG <sub>22</sub> | 1996 09 08.28245   | 22 59 43.45 | -08 39 52.1 |        | 691 | 1996 RQ <sub>22</sub> | 1996 09 17.28828   | 22 58 46.90 | -09 09 04.4 |        | 691 |
| 1996 RG <sub>22</sub> | 1996 09 08.30443   | 22 59 42.09 | -08 39 52.7 |        | 691 | 1996 RR <sub>22</sub> | * 1996 09 11.24564 | 22 57 43.85 | -09 41 42.1 | 18.7 V | 691 |
| 1996 RG <sub>22</sub> | 1996 09 21.22958   | 22 47 42.56 | -08 39 46.6 | 20.4 V | 691 | 1996 RR <sub>22</sub> | 1996 09 11.26718   | 22 57 42.36 | -09 41 34.2 |        | 691 |
| 1996 RG <sub>22</sub> | 1996 09 21.25087   | 22 47 41.44 | -08 39 45.5 |        | 691 | 1996 RR <sub>22</sub> | 1996 09 11.28890   | 22 57 40.83 | -09 41 26.3 |        | 691 |
| 1996 RG <sub>22</sub> | 1996 09 21.27191   | 22 47 40.35 | -08 39 44.6 |        | 691 | 1996 RR <sub>22</sub> | 1996 09 21.22955   | 22 47 36.07 | -08 36 36.3 |        | 691 |
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| 1996 RH <sub>22</sub> | 1996 09 08.30601   | 23 01 58.81 | -08 32 06.7 |        | 691 | 1996 RS <sub>22</sub> | * 1996 09 11.24594 | 22 58 09.11 | -09 43 07.7 |        | 691 |
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| 1996 RH <sub>22</sub> | 1996 09 17.25200   | 22 53 01.04 | -08 57 13.9 |        | 691 | 1996 RS <sub>22</sub> | 1996 09 17.30779   | 22 51 37.27 | -09 32 22.9 | 21.1 V | 691 |
| 1996 RH <sub>22</sub> | 1996 09 17.28426   | 22 52 59.13 | -08 57 18.5 |        | 691 | 1996 RS <sub>22</sub> | 1996 09 17.33476   | 22 51 35.52 | -09 32 19.8 |        | 691 |
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| 1996 RJ <sub>22</sub> | 1996 09 08.28441   | 23 02 33.17 | -08 55 00.9 |        | 691 | 1996 RT <sub>22</sub> | * 1996 09 11.24686 | 22 59 29.10 | -09 33 33.8 | 19.7 V | 691 |
| 1996 RJ <sub>22</sub> | 1996 09 08.30639   | 23 02 31.60 | -08 54 57.4 |        | 691 | 1996 RT <sub>22</sub> | 1996 09 11.26839   | 22 59 27.98 | -09 33 37.9 |        | 691 |
| 1996 RJ <sub>22</sub> | 1996 09 20.26042   | 22 49 34.55 | -08 19 40.2 |        | 691 | 1996 RT <sub>22</sub> | 1996 09 11.29012   | 22 59 26.81 | -09 33 42.8 |        | 691 |
| 1996 RJ <sub>22</sub> | 1996 09 20.28232   | 22 49 33.21 | -08 19 35.2 | 20.3 V | 691 | 1996 RT <sub>22</sub> | 1996 09 17.33688   | 22 54 39.23 | -09 52 17.5 | 19.5 V | 691 |
| 1996 RJ <sub>22</sub> | 1996 09 20.30775   | 22 49 31.66 | -08 19 30.5 |        | 691 | 1996 RT <sub>22</sub> | 1996 09 17.35868   | 22 54 38.19 | -09 52 20.9 |        | 691 |
| 1996 RK <sub>22</sub> | * 1996 09 08.26732 | 23 08 21.17 | -08 46 26.8 |        | 691 | 1996 RU <sub>22</sub> | * 1996 09 12.18881 | 22 00 05.40 | +04 34 35.2 | 20.7 V | 691 |
| 1996 RK <sub>22</sub> | 1996 09 08.28841   | 23 08 19.99 | -08 46 32.1 | 19.4 V | 691 | 1996 RU <sub>22</sub> | 1996 09 12.20996   | 22 00 04.44 | +04 34 28.1 |        | 691 |
| 1996 RK <sub>22</sub> | 1996 09 08.31039   | 23 08 18.74 | -08 46 37.2 |        | 691 | 1996 RU <sub>22</sub> | 1996 09 12.23109   | 22 00 03.48 | +04 34 21.8 |        | 691 |
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| 1996 RK <sub>22</sub> | 1996 09 11.22712   | 23 05 42.68 | -08 57 44.3 |        | 691 | 1996 RU <sub>22</sub> | 1996 09 13.23940   | 21 59 19.84 | +04 28 42.4 |        | 691 |
| 1996 RL <sub>22</sub> | * 1996 09 08.38923 | 23 49 29.54 | -00 52 49.6 |        | 691 | 1996 RV <sub>22</sub> | * 1996 09 12.31381 | 23 47 30.83 | -01 35 32.0 |        | 691 |
| 1996 RL <sub>22</sub> | 1996 09 08.41036   | 23 49 28.58 | -00 52 54.6 | 19.6 V | 691 | 1996 RV <sub>22</sub> | 1996 09 12.33530   | 23 47 29.68 | -01 35 35.9 |        | 691 |
| 1996 RL <sub>22</sub> | 1996 09 08.44448   | 23 49 27.02 | -00 53 02.5 |        | 691 | 1996 RV <sub>22</sub> | 1996 09 12.36200   | 23 47 28.20 | -01 35 41.1 | 20.4 V | 691 |
| 1996 RL <sub>22</sub> | 1996 09 19.31847   | 23 41 07.84 | -01 36 56.5 | 19.1 V | 691 | 1996 RV <sub>22</sub> | 1996 09 19.31860   | 23 41 19.30 | -01 59 10.1 |        | 691 |
| 1996 RL <sub>22</sub> | 1996 09 19.33997   | 23 41 06.79 | -01 37 01.5 |        | 691 | 1996 RV <sub>22</sub> | 1996 09 19.34011   | 23 41 18.13 | -01 59 14.3 |        | 691 |
| 1996 RM <sub>22</sub> | * 1996 09 08.38956 | 23 49 58.37 | -00 55 54.0 |        | 691 | 1996 RV <sub>22</sub> | 1996 09 19.36420   | 23 41 16.74 | -01 59 18.8 | 20.1 V | 691 |
| 1996 RM <sub>22</sub> | 1996 09 08.41069   | 23 49 57.36 | -00 56 00.9 | 20.4 V | 691 | 1996 RW <sub>22</sub> | * 1996 09 13.34130 | 23 49 03.01 | +00 04 37.5 |        | 691 |
| 1996 RM <sub>22</sub> | 1996 09 19.34010   | 23 41 17.86 | -01 53 05.5 |        | 691 | 1996 RW <sub>22</sub> | 1996 09 13.36246   | 23 49 01.77 | +00 04 33.0 | 20.3 V | 691 |
| 1996 RM <sub>22</sub> | 1996 09 19.36420   | 23 41 16.61 | -01 53 12.1 | 21.0 V | 691 | 1996 RW <sub>22</sub> | 1996 09 20.33782   | 23 42 15.85 | -00 21 28.7 |        | 691 |
| 1996 RN <sub>22</sub> | * 1996 09 09.12894 | 21 45 12.91 | +03 29 51.7 |        | 691 | 1996 RW <sub>22</sub> | 1996 09 20.36575   | 23 42 14.18 | -00 21 34.9 | 19.5 V | 691 |
| 1996 RN <sub>22</sub> | 1996 09 09.14987   | 21 45 12.02 | +03 29 46.4 | 20.6 V | 691 | 1996 RW <sub>22</sub> | 1996 09 20.39041   | 23 42 12.68 | -00 21 40.7 |        | 691 |
| 1996 RN <sub>22</sub> | 1996 09 09.17068   | 21 45 11.18 | +03 29 40.6 |        | 691 | 1996 RX <sub>22</sub> | * 1996 09 13.34447 | 23 53 38.04 | -00 20 40.2 | 19.2 V | 691 |
| 1996 RN <sub>22</sub> | 1996 09 15.14583   | 21 41 25.85 | +03 01 53.6 | 20.6 V | 691 | 1996 RX <sub>22</sub> | 1996 09 13.36564   | 23 53 37.04 | -00 20 48.8 |        | 691 |
| 1996 RN <sub>22</sub> | 1996 09 15.16818   | 21 41 24.99 | +03 01 47.4 |        | 691 | 1996 RX <sub>22</sub> | 1996 09 13.38692   | 23 53 36.07 | -00 20 57.4 |        | 691 |
| 1996 RN <sub>22</sub> | 1996 09 15.18916   | 21 41 24.26 | +03 01 41.7 |        | 691 | 1996 RX <sub>22</sub> | 1996 09 19.25149   | 23 49 12.61 | -01 01 53.4 | 18.6 V | 691 |
| 1996 RO <sub>22</sub> | * 1996 09 11.18126 | 23 01 29.89 | -09 09 08.0 |        | 691 | 1996 RX <sub>22</sub> | 1996 09 19.27400   | 23 49 11.51 | -01 02 02.7 |        | 691 |

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| 1996 RX <sub>22</sub> | 1996 09 19.30003   | 23 49 10.23 | -01 02 14.0 |        | 691 | 1996 RH <sub>23</sub> | 1996 09 21.23750   | 22 59 17.31 | -08 42 40.1 | 19.0 V | 691 |
| 1996 RY <sub>22</sub> | * 1996 09 13.34570 | 23 55 24.16 | -00 08 57.5 | 19.1 V | 691 | 1996 RH <sub>23</sub> | 1996 09 21.25879   | 22 59 16.41 | -08 42 47.8 |        | 691 |
| 1996 RY <sub>22</sub> | 1996 09 13.36686   | 23 55 22.99 | -00 09 06.2 |        | 691 | 1996 RH <sub>23</sub> | 1996 09 21.27980   | 22 59 15.52 | -08 42 55.2 |        | 691 |
| 1996 RY <sub>22</sub> | 1996 09 13.38814   | 23 55 21.81 | -00 09 15.0 |        | 691 | 1996 RJ <sub>23</sub> | * 1996 09 14.21421 | 23 04 38.76 | -08 24 55.9 |        | 691 |
| 1996 RY <sub>22</sub> | 1996 09 22.37300   | 23 47 16.32 | -01 10 50.7 | 19.1 V | 691 | 1996 RJ <sub>23</sub> | 1996 09 14.23540   | 23 04 37.70 | -08 25 03.5 | 17.9 V | 691 |
| 1996 RY <sub>22</sub> | 1996 09 22.40284   | 23 47 14.66 | -01 11 02.3 |        | 691 | 1996 RJ <sub>23</sub> | 1996 09 21.30191   | 22 59 01.31 | -09 03 50.7 | 18.0 V | 691 |
| 1996 RY <sub>22</sub> | 1996 09 22.42741   | 23 47 13.32 | -01 11 12.2 |        | 691 | 1996 RJ <sub>23</sub> | 1996 09 21.32318   | 22 59 00.30 | -09 03 57.5 |        | 691 |
| 1996 RZ <sub>22</sub> | * 1996 09 13.34580 | 23 55 32.72 | -00 02 50.1 |        | 691 | 1996 RJ <sub>23</sub> | 1996 09 21.34430   | 22 58 59.29 | -09 04 04.0 |        | 691 |
| 1996 RZ <sub>22</sub> | 1996 09 13.36697   | 23 55 31.82 | -00 02 58.4 |        | 691 | 1996 RK <sub>23</sub> | * 1996 09 14.21637 | 23 07 45.70 | -08 01 41.6 |        | 691 |
| 1996 RZ <sub>22</sub> | 1996 09 13.38825   | 23 55 30.93 | -00 03 06.8 | 21.5 V | 691 | 1996 RK <sub>23</sub> | 1996 09 14.23756   | 23 07 44.59 | -08 01 50.6 | 19.8 V | 691 |
| 1996 RZ <sub>22</sub> | 1996 09 22.40434   | 23 49 24.29 | -01 04 28.9 |        | 691 | 1996 RK <sub>23</sub> | 1996 09 21.23972   | 23 02 28.89 | -08 46 22.7 |        | 691 |
| 1996 RZ <sub>22</sub> | 1996 09 22.42890   | 23 49 23.18 | -01 04 39.7 | 21.2 V | 691 | 1996 RK <sub>23</sub> | 1996 09 21.26100   | 23 02 27.95 | -08 46 30.0 | 20.0 V | 691 |
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| 1996 RA <sub>23</sub> | 1996 09 13.37026   | 00 00 17.49 | -00 09 42.6 |        | 691 | 1996 RL <sub>23</sub> | * 1996 09 14.21793 | 23 10 00.77 | -08 03 03.3 |        | 691 |
| 1996 RA <sub>23</sub> | 1996 09 13.39154   | 00 00 16.37 | -00 09 46.7 |        | 691 | 1996 RL <sub>23</sub> | 1996 09 14.23911   | 23 09 59.54 | -08 03 13.3 | 20.9 V | 691 |
| 1996 RA <sub>23</sub> | 1996 09 21.36974   | 23 53 18.45 | -00 38 18.0 | 20.2 V | 691 | 1996 RL <sub>23</sub> | 1996 09 14.26040   | 23 09 58.32 | -08 03 22.1 |        | 691 |
| 1996 RA <sub>23</sub> | 1996 09 21.39070   | 23 53 17.26 | -00 38 22.7 |        | 691 | 1996 RL <sub>23</sub> | 1996 09 21.24047   | 23 03 33.97 | -08 51 27.9 | 20.5 V | 691 |
| 1996 RA <sub>23</sub> | 1996 09 21.41211   | 23 53 16.07 | -00 38 27.0 |        | 691 | 1996 RL <sub>23</sub> | 1996 09 21.26175   | 23 03 32.74 | -08 51 36.5 |        | 691 |
| 1996 RB <sub>23</sub> | * 1996 09 13.35067 | 00 02 34.37 | +00 03 06.9 |        | 691 | 1996 RL <sub>23</sub> | 1996 09 21.28275   | 23 03 31.57 | -08 51 44.5 |        | 691 |
| 1996 RB <sub>23</sub> | 1996 09 13.37183   | 00 02 33.11 | +00 03 02.0 | 20.0 V | 691 | 1996 RM <sub>23</sub> | * 1996 09 15.37331 | 23 42 40.98 | -00 46 41.0 | 18.7 V | 691 |
| 1996 RB <sub>23</sub> | 1996 09 13.39311   | 00 02 31.83 | +00 02 57.3 |        | 691 | 1996 RM <sub>23</sub> | 1996 09 15.39434   | 23 42 39.83 | -00 46 50.7 |        | 691 |
| 1996 RB <sub>23</sub> | 1996 09 20.34708   | 23 55 38.36 | -00 24 16.7 | 19.3 V | 691 | 1996 RM <sub>23</sub> | 1996 09 15.41571   | 23 42 38.65 | -00 46 58.4 |        | 691 |
| 1996 RB <sub>23</sub> | 1996 09 20.39967   | 23 55 35.05 | -00 24 29.0 |        | 691 | 1996 RM <sub>23</sub> | 1996 09 19.24498   | 23 39 12.52 | -01 13 06.1 | 18.6 V | 691 |
| 1996 RC <sub>23</sub> | * 1996 09 13.35186 | 00 04 17.74 | -00 09 13.7 | 20.2 V | 691 | 1996 RM <sub>23</sub> | 1996 09 19.26750   | 23 39 11.26 | -01 13 15.2 |        | 691 |
| 1996 RC <sub>23</sub> | 1996 09 13.39431   | 00 04 15.73 | -00 09 30.6 |        | 691 | 1996 RM <sub>23</sub> | 1996 09 19.29353   | 23 39 09.82 | -01 13 26.0 |        | 691 |
| 1996 RC <sub>23</sub> | 1996 09 22.38002   | 23 57 25.27 | -01 05 21.0 |        | 691 | 1996 RN <sub>23</sub> | * 1996 09 15.37460 | 23 44 32.93 | -00 46 06.6 | 21.5 V | 691 |
| 1996 RC <sub>23</sub> | 1996 09 22.40988   | 23 57 23.85 | -01 05 32.1 | 20.4 V | 691 | 1996 RN <sub>23</sub> | 1996 09 15.39563   | 23 44 31.79 | -00 46 12.3 |        | 691 |
| 1996 RC <sub>23</sub> | 1996 09 22.43444   | 23 57 22.60 | -01 05 41.2 |        | 691 | 1996 RN <sub>23</sub> | 1996 09 15.41700   | 23 44 30.58 | -00 46 18.9 |        | 691 |
| 1996 RD <sub>23</sub> | * 1996 09 13.35213 | 00 04 41.28 | -00 11 57.6 |        | 691 | 1996 RN <sub>23</sub> | 1996 09 19.24587   | 23 41 06.30 | -01 04 55.5 | 21.1 V | 691 |
| 1996 RD <sub>23</sub> | 1996 09 13.37330   | 00 04 40.23 | -00 12 00.7 |        | 691 | 1996 RN <sub>23</sub> | 1996 09 19.26838   | 23 41 05.00 | -01 05 03.4 |        | 691 |
| 1996 RD <sub>23</sub> | 1996 09 13.39458   | 00 04 39.16 | -00 12 03.6 | 20.0 V | 691 | 1996 RN <sub>23</sub> | 1996 09 19.29442   | 23 41 03.56 | -01 05 10.9 |        | 691 |
| 1996 RD <sub>23</sub> | 1996 09 21.39404   | 23 58 06.86 | -00 30 06.6 |        | 691 | 1996 RO <sub>23</sub> | * 1996 09 15.38360 | 23 57 32.32 | -00 28 57.8 | 20.6 V | 691 |
| 1996 RD <sub>23</sub> | 1996 09 21.41545   | 23 58 05.78 | -00 30 09.7 | 19.4 V | 691 | 1996 RO <sub>23</sub> | 1996 09 15.40463   | 23 57 31.09 | -00 29 05.1 |        | 691 |
| 1996 RE <sub>23</sub> | * 1996 09 13.35223 | 00 04 50.08 | -00 03 09.7 |        | 691 | 1996 RO <sub>23</sub> | 1996 09 15.42600   | 23 57 29.79 | -00 29 13.8 |        | 691 |
| 1996 RE <sub>23</sub> | 1996 09 13.37340   | 00 04 49.06 | -00 03 17.1 | 20.5 V | 691 | 1996 RO <sub>23</sub> | 1996 09 22.37544   | 23 50 47.74 | -01 13 43.3 |        | 691 |
| 1996 RE <sub>23</sub> | 1996 09 13.39468   | 00 04 47.96 | -00 03 24.8 |        | 691 | 1996 RO <sub>23</sub> | 1996 09 22.40528   | 23 50 46.00 | -01 13 54.6 |        | 691 |
| 1996 RE <sub>23</sub> | 1996 09 21.37317   | 23 58 15.89 | -00 52 03.3 |        | 691 | 1996 RO <sub>23</sub> | 1996 09 22.42984   | 23 50 44.58 | -01 14 03.8 | 20.5 V | 691 |
| 1996 RE <sub>23</sub> | 1996 09 21.39414   | 23 58 14.76 | -00 52 11.1 | 19.9 V | 691 | 1996 RP <sub>23</sub> | * 1996 09 15.38780 | 00 03 36.89 | -00 38 58.4 | 21.1 V | 691 |
| 1996 RE <sub>23</sub> | 1996 09 21.41555   | 23 58 13.60 | -00 52 18.9 |        | 691 | 1996 RP <sub>23</sub> | 1996 09 15.40884   | 00 03 35.89 | -00 39 05.1 |        | 691 |
| 1996 RF <sub>23</sub> | * 1996 09 14.20767 | 22 55 12.23 | -08 19 02.7 |        | 691 | 1996 RP <sub>23</sub> | 1996 09 15.43021   | 00 03 34.90 | -00 39 13.2 |        | 691 |
| 1996 RF <sub>23</sub> | 1996 09 14.22886   | 22 55 11.26 | -08 19 07.3 | 20.8 V | 691 | 1996 RP <sub>23</sub> | 1996 09 22.38062   | 23 58 16.60 | -01 21 09.2 |        | 691 |
| 1996 RF <sub>23</sub> | 1996 09 21.25264   | 22 50 24.34 | -08 46 54.3 | 20.6 V | 691 | 1996 RP <sub>23</sub> | 1996 09 22.41047   | 23 58 15.23 | -01 21 20.0 | 20.9 V | 691 |
| 1996 RF <sub>23</sub> | 1996 09 21.27366   | 22 50 23.50 | -08 46 59.9 |        | 691 | 1996 RP <sub>23</sub> | 1996 09 22.43503   | 23 58 14.07 | -01 21 29.1 |        | 691 |
| 1996 RG <sub>23</sub> | * 1996 09 14.20978 | 22 58 15.29 | -08 04 45.0 |        | 691 | 1996 RQ <sub>23</sub> | * 1996 09 15.39571 | 23 44 38.13 | -00 45 30.0 | 20.3 V | 691 |
| 1996 RG <sub>23</sub> | 1996 09 14.23097   | 22 58 14.37 | -08 04 57.4 |        | 691 | 1996 RQ <sub>23</sub> | 1996 09 15.41707   | 23 44 36.90 | -00 45 34.1 |        | 691 |
| 1996 RG <sub>23</sub> | 1996 09 14.25227   | 22 58 13.42 | -08 05 09.8 | 20.3 V | 691 | 1996 RQ <sub>23</sub> | 1996 09 19.24586   | 23 41 05.01 | -01 00 10.1 |        | 691 |
| 1996 RG <sub>23</sub> | 1996 09 21.29826   | 22 53 44.74 | -09 09 50.9 |        | 691 | 1996 RQ <sub>23</sub> | 1996 09 19.26837   | 23 41 03.72 | -01 00 15.4 | 20.7 V | 691 |
| 1996 RG <sub>23</sub> | 1996 09 21.31952   | 22 53 43.94 | -09 10 01.8 | 20.3 V | 691 | 1996 RQ <sub>23</sub> | 1996 09 19.29440   | 23 41 02.27 | -01 00 22.5 |        | 691 |
| 1996 RG <sub>23</sub> | 1996 09 21.34065   | 22 53 43.16 | -09 10 12.5 |        | 691 | 1996 RM <sub>24</sub> | * 1996 09 06.34855 | 23 22 53.98 | -03 27 18.2 | 17.9 V | 691 |
| 1996 RH <sub>23</sub> | * 1996 09 14.21399 | 23 04 19.39 | -07 56 32.7 |        | 691 | 1996 RM <sub>24</sub> | 1996 09 06.36956   | 23 22 53.13 | -03 27 27.7 |        | 691 |
| 1996 RH <sub>23</sub> | 1996 09 14.23517   | 23 04 18.34 | -07 56 42.0 |        | 691 | 1996 RM <sub>24</sub> | 1996 09 06.39053   | 23 22 52.21 | -03 27 36.9 |        | 691 |
| 1996 RH <sub>23</sub> | 1996 09 14.25647   | 23 04 17.31 | -07 56 51.3 | 18.9 V | 691 | 1996 RN <sub>24</sub> | * 1996 09 06.35841 | 23 06 47.30 | -03 37 58.2 | 20.7 V | 691 |

|                       |                    |             |             |            |                       |                    |             |             |            |
|-----------------------|--------------------|-------------|-------------|------------|-----------------------|--------------------|-------------|-------------|------------|
| 1996 RN <sub>24</sub> | 1996 09 06.37937   | 23 06 46.09 | -03 38 03.9 | 691        | 1996 RF <sub>25</sub> | 1996 09 15.20925   | 23 00 26.44 | -08 30 51.5 | 691        |
| 1996 RO <sub>24</sub> | * 1996 09 07.20784 | 22 55 06.01 | -08 06 11.6 | 691        | 1996 RF <sub>25</sub> | 1996 09 15.21520   | 23 00 26.11 | -08 30 53.3 | 17.0 V 691 |
| 1996 RO <sub>24</sub> | 1996 09 07.23011   | 22 55 05.16 | -08 06 28.1 | 17.3 V 691 | 1996 RF <sub>25</sub> | 1996 09 15.22127   | 23 00 25.79 | -08 30 54.9 | 691        |
| 1996 RO <sub>24</sub> | 1996 09 07.25116   | 22 55 04.35 | -08 06 44.5 | 691        | 1996 RG <sub>25</sub> | 1996 09 20.26336   | 22 53 49.49 | -08 13 44.4 | 19.0 V 691 |
| 1996 RP <sub>24</sub> | * 1996 09 07.20971 | 22 57 48.03 | -07 55 40.7 | 691        | 1996 RG <sub>25</sub> | 1996 09 20.28527   | 22 53 48.37 | -08 13 55.1 | 691        |
| 1996 RP <sub>24</sub> | 1996 09 07.23198   | 22 57 46.72 | -07 55 46.1 | 17.5 V 691 | 1996 RG <sub>25</sub> | 1996 09 20.31070   | 22 53 47.07 | -08 14 07.1 | 691        |
| 1996 RP <sub>24</sub> | 1996 09 07.25302   | 22 57 45.48 | -07 55 51.7 | 691        | 1996 RH <sub>25</sub> | 1996 09 12.30888   | 23 40 23.73 | -01 44 46.8 | 18.2 V 691 |
| 1996 RQ <sub>24</sub> | * 1996 09 08.32848 | 23 20 48.75 | -04 13 33.9 | 17.9 V 691 | 1996 RH <sub>25</sub> | 1996 09 12.33036   | 23 40 22.41 | -01 44 52.0 | 691        |
| 1996 RQ <sub>24</sub> | 1996 09 08.34957   | 23 20 47.35 | -04 13 36.0 | 691        | 1996 RH <sub>25</sub> | 1996 09 12.35707   | 23 40 20.77 | -01 44 58.5 | 691        |
| 1996 RQ <sub>24</sub> | 1996 09 08.37050   | 23 20 45.96 | -04 13 38.1 | 691        | 1996 RJ <sub>25</sub> | 1996 09 12.30996   | 23 41 56.85 | -01 53 38.8 | 691        |
| 1996 RR <sub>24</sub> | * 1996 09 08.38175 | 23 38 11.88 | -00 56 47.0 | 18.7 V 691 | 1996 RJ <sub>25</sub> | 1996 09 12.33144   | 23 41 56.01 | -01 53 49.1 | 18.3 V 691 |
| 1996 RR <sub>24</sub> | 1996 09 08.40289   | 23 38 10.97 | -00 56 58.9 | 691        | 1996 RJ <sub>25</sub> | 1996 09 12.35816   | 23 41 54.94 | -01 54 02.5 | 691        |
| 1996 RR <sub>24</sub> | 1996 09 08.43702   | 23 38 09.46 | -00 57 17.7 | 691        | 1996 RK <sub>25</sub> | * 1996 09 12.25517 | 23 25 05.02 | -00 46 58.1 | 16.3 V 691 |
| 1996 RS <sub>24</sub> | * 1996 09 08.39969 | 00 04 36.16 | -00 36 18.7 | 17.7 V 691 | 1996 RK <sub>25</sub> | 1996 09 12.27625   | 23 25 04.07 | -00 47 13.7 | 691        |
| 1996 RS <sub>24</sub> | 1996 09 08.42082   | 00 04 35.11 | -00 36 30.3 | 691        | 1996 RK <sub>25</sub> | 1996 09 12.29735   | 23 25 03.13 | -00 47 29.6 | 691        |
| 1996 RS <sub>24</sub> | 1996 09 08.45495   | 00 04 33.47 | -00 36 49.2 | 691        | 1996 RL <sub>25</sub> | * 1996 09 12.25638 | 23 26 50.02 | -00 40 17.8 | 16.2 V 691 |
| 1996 RT <sub>24</sub> | 1996 09 13.34948   | 00 00 51.25 | -00 09 18.7 | 18.4 V 691 | 1996 RL <sub>25</sub> | 1996 09 12.27746   | 23 26 48.90 | -00 40 28.9 | 691        |
| 1996 RT <sub>24</sub> | 1996 09 13.37064   | 00 00 50.17 | -00 09 25.0 | 691        | 1996 RL <sub>25</sub> | 1996 09 12.29856   | 23 26 47.80 | -00 40 40.2 | 691        |
| 1996 RT <sub>24</sub> | 1996 09 13.39192   | 00 00 49.09 | -00 09 31.0 | 691        | 1996 RM <sub>25</sub> | * 1996 09 12.31107 | 23 43 33.45 | -01 29 16.9 | 691        |
| 1996 RU <sub>24</sub> | 1996 09 21.36985   | 23 53 28.60 | -00 38 34.1 | 691        | 1996 RM <sub>25</sub> | 1996 09 12.33255   | 23 43 32.19 | -01 29 26.6 | 691        |
| 1996 RU <sub>24</sub> | 1996 09 21.39082   | 23 53 27.55 | -00 38 45.9 | 18.7 V 691 | 1996 RM <sub>25</sub> | 1996 09 12.35926   | 23 43 30.57 | -01 29 37.6 | 17.9 V 691 |
| 1996 RU <sub>24</sub> | 1996 09 21.41223   | 23 53 26.50 | -00 38 57.8 | 691        | 1996 RN <sub>25</sub> | * 1996 09 12.31643 | 23 51 17.54 | -01 52 39.2 | 18.7 V 691 |
| 1996 RV <sub>24</sub> | 1996 09 11.24200   | 22 52 28.02 | -09 53 13.0 | 18.3 V 691 | 1996 RN <sub>25</sub> | 1996 09 12.33791   | 23 51 16.48 | -01 52 49.8 | 691        |
| 1996 RV <sub>24</sub> | 1996 09 11.26353   | 22 52 26.87 | -09 53 18.8 | 691        | 1996 RN <sub>25</sub> | 1996 09 12.36462   | 23 51 15.15 | -01 53 03.7 | 691        |
| 1996 RV <sub>24</sub> | 1996 09 11.28526   | 22 52 25.72 | -09 53 23.8 | 691        | 1996 RO <sub>25</sub> | 1996 09 21.30497   | 23 03 25.97 | -09 14 05.3 | 691        |
| 1996 RW <sub>24</sub> | 1996 09 17.22276   | 22 46 59.82 | -09 10 40.8 | 18.0 V 691 | 1996 RO <sub>25</sub> | 1996 09 21.32623   | 23 03 25.02 | -09 14 11.4 | 17.1 V 691 |
| 1996 RW <sub>24</sub> | 1996 09 17.24816   | 22 46 59.03 | -09 10 56.6 | 691        | 1996 RO <sub>25</sub> | 1996 09 21.34736   | 23 03 24.06 | -09 14 17.1 | 691        |
| 1996 RW <sub>24</sub> | 1996 09 17.28044   | 22 46 57.94 | -09 11 16.4 | 691        | 1996 RP <sub>25</sub> | 1996 09 21.30521   | 23 03 47.31 | -09 03 17.6 | 18.3 V 691 |
| 1996 RX <sub>24</sub> | * 1996 09 11.24645 | 22 58 53.96 | -09 41 36.3 | 691        | 1996 RP <sub>25</sub> | 1996 09 21.32648   | 23 03 46.38 | -09 03 24.1 | 691        |
| 1996 RX <sub>24</sub> | 1996 09 11.26799   | 22 58 53.02 | -09 41 43.5 | 17.3 V 691 | 1996 RP <sub>25</sub> | 1996 09 21.34760   | 23 03 45.44 | -09 03 30.2 | 691        |
| 1996 RX <sub>24</sub> | 1996 09 11.28972   | 22 58 52.06 | -09 41 51.5 | 691        | 1996 RQ <sub>25</sub> | 1996 09 17.34871   | 23 11 44.29 | -09 29 08.9 | 19.7 V 691 |
| 1996 RY <sub>24</sub> | * 1996 09 11.24779 | 23 00 49.58 | -09 56 18.4 | 691        | 1996 RQ <sub>25</sub> | 1996 09 17.37051   | 23 11 43.28 | -09 29 14.5 | 691        |
| 1996 RY <sub>24</sub> | 1996 09 11.26933   | 23 00 48.59 | -09 56 24.1 | 17.8 V 691 | 1996 RR <sub>25</sub> | 1996 09 21.24070   | 23 03 53.80 | -08 35 04.0 | 16.8 V 691 |
| 1996 RY <sub>24</sub> | 1996 09 11.29106   | 23 00 47.59 | -09 56 30.2 | 691        | 1996 RR <sub>25</sub> | 1996 09 21.26198   | 23 03 52.86 | -08 35 15.4 | 691        |
| 1996 RZ <sub>24</sub> | * 1996 09 11.32330 | 23 09 34.73 | -04 54 53.7 | 18.5 V 691 | 1996 RR <sub>25</sub> | 1996 09 21.28299   | 23 03 51.92 | -08 35 26.6 | 691        |
| 1996 RZ <sub>24</sub> | 1996 09 11.34469   | 23 09 33.36 | -04 54 54.8 | 691        | 1996 RS <sub>25</sub> | 1996 09 20.27210   | 23 06 26.19 | -07 54 31.7 | 18.3 V 691 |
| 1996 RZ <sub>24</sub> | 1996 09 11.36639   | 23 09 31.97 | -04 54 56.1 | 691        | 1996 RS <sub>25</sub> | 1996 09 20.29401   | 23 06 25.48 | -07 54 33.6 | 691        |
| 1996 RA <sub>25</sub> | * 1996 09 11.32958 | 23 18 39.09 | -04 56 16.6 | 17.7 V 691 | 1996 RS <sub>25</sub> | 1996 09 20.31945   | 23 06 24.66 | -07 54 35.7 | 691        |
| 1996 RA <sub>25</sub> | 1996 09 11.35098   | 23 18 38.03 | -04 56 19.6 | 691        | 1996 RT <sub>25</sub> | 1996 09 21.30648   | 23 05 36.53 | -09 13 41.2 | 691        |
| 1996 RA <sub>25</sub> | 1996 09 11.37268   | 23 18 36.95 | -04 56 22.9 | 691        | 1996 RT <sub>25</sub> | 1996 09 21.32774   | 23 05 35.75 | -09 13 55.3 | 17.5 V 691 |
| 1996 RB <sub>25</sub> | * 1996 09 11.33859 | 23 31 39.77 | -04 31 07.2 | 18.0 V 691 | 1996 RT <sub>25</sub> | 1996 09 21.34887   | 23 05 34.96 | -09 14 08.9 | 691        |
| 1996 RB <sub>25</sub> | 1996 09 11.35999   | 23 31 38.47 | -04 31 14.0 | 691        | 1996 RU <sub>25</sub> | 1996 09 19.31864   | 23 41 22.10 | -01 56 10.0 | 691        |
| 1996 RB <sub>25</sub> | 1996 09 11.38169   | 23 31 37.16 | -04 31 19.7 | 691        | 1996 RU <sub>25</sub> | 1996 09 19.34014   | 23 41 21.12 | -01 56 16.3 | 18.4 V 691 |
| 1996 RC <sub>25</sub> | 1996 09 17.23129   | 22 59 48.83 | -09 23 39.0 | 691        | 1996 RU <sub>25</sub> | 1996 09 19.36424   | 23 41 20.01 | -01 56 23.7 | 691        |
| 1996 RC <sub>25</sub> | 1996 09 17.25669   | 22 59 47.45 | -09 23 42.8 | 17.6 V 691 | 1996 RV <sub>25</sub> | 1996 09 19.24608   | 23 41 24.49 | -01 04 18.0 | 691        |
| 1996 RC <sub>25</sub> | 1996 09 17.28895   | 22 59 45.76 | -09 23 47.9 | 691        | 1996 RV <sub>25</sub> | 1996 09 19.26859   | 23 41 23.06 | -01 04 24.4 | 18.5 V 691 |
| 1996 RD <sub>25</sub> | 1996 09 14.21141   | 23 00 36.73 | -08 23 43.9 | 18.3 V 691 | 1996 RV <sub>25</sub> | 1996 09 19.29462   | 23 41 21.42 | -01 04 32.2 | 691        |
| 1996 RD <sub>25</sub> | 1996 09 14.23260   | 23 00 35.77 | -08 23 50.6 | 691        | 1996 RW <sub>25</sub> | 1996 09 22.37011   | 23 43 06.35 | -01 05 56.9 | 18.4 V 691 |
| 1996 RD <sub>25</sub> | 1996 09 14.25390   | 23 00 34.79 | -08 23 57.4 | 691        | 1996 RW <sub>25</sub> | 1996 09 22.39997   | 23 43 05.26 | -01 06 17.2 | 691        |
| 1996 RE <sub>25</sub> | 1996 09 14.21204   | 23 01 30.85 | -08 25 02.8 | 691        | 1996 RW <sub>25</sub> | 1996 09 22.42453   | 23 43 04.36 | -01 06 33.1 | 691        |
| 1996 RE <sub>25</sub> | 1996 09 14.23323   | 23 01 29.85 | -08 25 15.7 | 17.5 V 691 | 1996 RX <sub>25</sub> | 1996 09 20.33857   | 23 43 21.12 | +00 03 16.5 | 691        |
| 1996 RE <sub>25</sub> | 1996 09 14.25452   | 23 01 28.80 | -08 25 28.3 | 691        | 1996 RX <sub>25</sub> | 1996 09 20.36651   | 23 43 19.79 | +00 03 10.1 | 17.9 V 691 |

|                       |                    |             |             |        |     |                      |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RX <sub>25</sub> | 1996 09 20.39117   | 23 43 18.61 | +00 03 04.7 |        | 691 | 1996 SA <sub>5</sub> | 1996 09 21.30362   | 23 01 29.04 | -09 14 23.8 | 19.9 V | 691 |
| 1996 RY <sub>25</sub> | 1996 09 20.41402   | 00 18 39.05 | +05 04 36.8 |        | 691 | 1996 SA <sub>5</sub> | 1996 09 21.32488   | 23 01 27.94 | -09 14 27.1 |        | 691 |
| 1996 RY <sub>25</sub> | 1996 09 20.43514   | 00 18 37.65 | +05 04 38.8 | 18.1 V | 691 | 1996 SA <sub>5</sub> | 1996 09 21.34600   | 23 01 26.83 | -09 14 30.5 |        | 691 |
| 1996 RY <sub>25</sub> | 1996 09 20.45651   | 00 18 36.24 | +05 04 41.1 |        | 691 | 1996 SB <sub>5</sub> | * 1996 09 17.23526 | 23 05 32.75 | -09 15 12.7 |        | 691 |
| 1996 RZ <sub>25</sub> | * 1996 09 14.20774 | 22 55 18.46 | -07 57 07.1 | 17.4 V | 691 | 1996 SB <sub>5</sub> | 1996 09 17.26066   | 23 05 31.19 | -09 15 11.0 | 20.6 V | 691 |
| 1996 RZ <sub>25</sub> | 1996 09 14.22893   | 22 55 17.37 | -07 57 17.8 |        | 691 | 1996 SB <sub>5</sub> | 1996 09 17.29292   | 23 05 29.12 | -09 15 09.5 |        | 691 |
| 1996 RZ <sub>25</sub> | 1996 09 14.25022   | 22 55 16.30 | -07 57 29.0 |        | 691 | 1996 SB <sub>5</sub> | 1996 09 21.30363   | 23 01 30.52 | -09 11 30.3 | 21.1 V | 691 |
| 1996 RA <sub>26</sub> | * 1996 09 14.21582 | 23 06 57.96 | -08 05 13.9 |        | 691 | 1996 SB <sub>5</sub> | 1996 09 21.32489   | 23 01 29.24 | -09 11 29.0 |        | 691 |
| 1996 RA <sub>26</sub> | 1996 09 14.23700   | 23 06 56.57 | -08 05 15.3 |        | 691 | 1996 SB <sub>5</sub> | 1996 09 21.34602   | 23 01 28.01 | -09 11 27.7 |        | 691 |
| 1996 RA <sub>26</sub> | 1996 09 14.25829   | 23 06 55.17 | -08 05 16.9 | 17.0 V | 691 | 1996 SC <sub>5</sub> | * 1996 09 17.23551 | 23 05 53.87 | -09 05 05.2 |        | 691 |
| 1996 RB <sub>26</sub> | 1996 09 20.42247   | 00 30 51.03 | +05 06 44.9 | 17.4 V | 691 | 1996 SC <sub>5</sub> | 1996 09 17.26091   | 23 05 52.69 | -09 05 08.9 | 20.1 V | 691 |
| 1996 RB <sub>26</sub> | 1996 09 20.44359   | 00 30 49.85 | +05 06 33.2 |        | 691 | 1996 SC <sub>5</sub> | 1996 09 21.30448   | 23 02 43.77 | -09 14 16.8 | 20.3 V | 691 |
| 1996 RB <sub>26</sub> | 1996 09 20.46497   | 00 30 48.65 | +05 06 21.1 |        | 691 | 1996 SC <sub>5</sub> | 1996 09 21.32574   | 23 02 42.79 | -09 14 19.6 |        | 691 |
| 1996 RC <sub>26</sub> | * 1996 09 15.37396 | 23 43 37.11 | -00 49 37.6 |        | 691 | 1996 SC <sub>5</sub> | 1996 09 21.34687   | 23 02 41.79 | -09 14 22.1 |        | 691 |
| 1996 RC <sub>26</sub> | 1996 09 15.39499   | 23 43 36.11 | -00 49 50.7 | 19.1 V | 691 | 1996 SD <sub>5</sub> | * 1996 09 17.23583 | 23 06 22.01 | -09 11 36.1 | 19.7 V | 691 |
| 1996 RC <sub>26</sub> | 1996 09 15.41636   | 23 43 35.10 | -00 50 03.0 |        | 691 | 1996 SD <sub>5</sub> | 1996 09 17.26123   | 23 06 20.68 | -09 11 40.3 |        | 691 |
| 1996 RD <sub>26</sub> | 1996 09 17.41037   | 00 42 59.36 | +05 57 06.7 | 18.1 V | 691 | 1996 SD <sub>5</sub> | 1996 09 17.29349   | 23 06 18.96 | -09 11 45.2 |        | 691 |
| 1996 RD <sub>26</sub> | 1996 09 17.43211   | 00 42 58.24 | +05 57 01.9 |        | 691 | 1996 SD <sub>5</sub> | 1996 09 21.30463   | 23 02 56.62 | -09 21 44.8 |        | 691 |
| 1996 RD <sub>26</sub> | 1996 09 17.45822   | 00 42 56.90 | +05 56 55.7 |        | 691 | 1996 SD <sub>5</sub> | 1996 09 21.32589   | 23 02 55.54 | -09 21 47.7 |        | 691 |
| 1996 RF <sub>26</sub> | 1996 09 17.23660   | 23 07 28.25 | -09 17 40.6 |        | 691 | 1996 SD <sub>5</sub> | 1996 09 21.34702   | 23 02 54.46 | -09 21 50.5 | 19.8 V | 691 |
| 1996 RF <sub>26</sub> | 1996 09 17.26200   | 23 07 27.14 | -09 17 53.4 | 18.2 V | 691 | 1996 SE <sub>5</sub> | * 1996 09 17.23919 | 23 11 13.14 | -08 58 57.5 |        | 691 |
| 1996 RF <sub>26</sub> | 1996 09 17.29426   | 23 07 25.69 | -09 18 09.4 |        | 691 | 1996 SE <sub>5</sub> | 1996 09 17.26459   | 23 11 11.73 | -08 59 04.6 |        | 691 |
| 1996 RG <sub>26</sub> | 1996 09 19.24690   | 23 42 35.35 | -01 27 34.0 | 17.9 V | 691 | 1996 SE <sub>5</sub> | 1996 09 17.29685   | 23 11 09.91 | -08 59 13.1 | 20.8 V | 691 |
| 1996 RG <sub>26</sub> | 1996 09 19.26942   | 23 42 34.59 | -01 27 36.1 |        | 691 | 1996 SE <sub>5</sub> | 1996 09 21.32907   | 23 07 31.12 | -09 16 03.6 | 20.8 V | 691 |
| 1996 RG <sub>26</sub> | 1996 09 19.29546   | 23 42 33.70 | -01 27 38.6 |        | 691 | 1996 SE <sub>5</sub> | 1996 09 21.35020   | 23 07 29.97 | -09 16 08.7 |        | 691 |
| 1996 RH <sub>26</sub> | 1996 09 19.32818   | 23 55 08.47 | -01 42 45.7 |        | 691 | 1996 SF <sub>5</sub> | * 1996 09 17.25825 | 23 02 02.61 | -09 01 19.0 |        | 691 |
| 1996 RH <sub>26</sub> | 1996 09 19.34968   | 23 55 07.10 | -01 42 46.3 | 17.5 V | 691 | 1996 SF <sub>5</sub> | 1996 09 17.29052   | 23 02 01.05 | -09 01 31.0 | 20.3 V | 691 |
| 1996 RH <sub>26</sub> | 1996 09 19.37377   | 23 55 05.57 | -01 42 46.7 |        | 691 | 1996 SF <sub>5</sub> | 1996 09 21.30186   | 22 58 56.46 | -09 23 21.8 | 21.1 V | 691 |
| 1996 RJ <sub>26</sub> | 1996 09 19.32943   | 23 56 57.55 | -01 59 12.3 |        | 691 | 1996 SF <sub>5</sub> | 1996 09 21.32312   | 22 58 55.46 | -09 23 28.0 |        | 691 |
| 1996 RJ <sub>26</sub> | 1996 09 19.35094   | 23 56 56.42 | -01 59 23.1 |        | 691 | 1996 SF <sub>5</sub> | 1996 09 21.34424   | 22 58 54.44 | -09 23 34.7 |        | 691 |
| 1996 RJ <sub>26</sub> | 1996 09 19.37503   | 23 56 55.11 | -01 59 34.8 | 18.0 V | 691 | 1996 SG <sub>5</sub> | * 1996 09 17.39580 | 00 21 57.38 | +05 46 38.5 | 20.8 V | 691 |
| 1996 RK <sub>26</sub> | 1996 09 22.37416   | 23 48 57.67 | -01 00 11.5 | 19.1 V | 691 | 1996 SG <sub>5</sub> | 1996 09 17.44366   | 00 21 55.58 | +05 46 18.4 |        | 691 |
| 1996 RK <sub>26</sub> | 1996 09 22.40402   | 23 48 56.36 | -01 00 41.2 |        | 691 | 1996 SG <sub>5</sub> | 1996 09 20.41500   | 00 20 04.17 | +05 25 34.8 | 21.5 V | 691 |
| 1996 RK <sub>26</sub> | 1996 09 22.42858   | 23 48 55.29 | -01 01 06.0 |        | 691 | 1996 SG <sub>5</sub> | 1996 09 20.43612   | 00 20 03.32 | +05 25 25.6 |        | 691 |
| 1996 SD <sub>1</sub>  | 1994 04 02.25281   | 12 32 14.01 | +00 15 23.2 |        | 691 | 1996 SG <sub>5</sub> | 1996 09 20.45751   | 00 20 02.47 | +05 25 16.5 |        | 691 |
| 1996 SD <sub>1</sub>  | 1994 04 02.32904   | 12 32 10.02 | +00 15 34.7 | 16.7 V | 691 | 1996 SH <sub>5</sub> | * 1996 09 19.24995 | 23 46 59.11 | -01 08 54.5 |        | 691 |
| 1996 SD <sub>1</sub>  | 1994 04 02.39695   | 12 32 06.52 | +00 15 45.0 |        | 691 | 1996 SH <sub>5</sub> | 1996 09 19.27246   | 23 46 57.79 | -01 09 00.3 | 18.9 V | 691 |
| 1996 ST <sub>2</sub>  | 1996 09 15.37957   | 23 51 43.16 | -00 27 43.4 |        | 691 | 1996 SH <sub>5</sub> | 1996 09 19.29849   | 23 46 56.26 | -01 09 07.4 |        | 691 |
| 1996 ST <sub>2</sub>  | 1996 09 15.40060   | 23 51 42.03 | -00 27 53.0 | 20.0 V | 691 | 1996 SH <sub>5</sub> | 1996 09 22.37074   | 23 44 01.11 | -01 22 43.4 | 19.3 V | 691 |
| 1996 ST <sub>2</sub>  | 1996 09 15.42197   | 23 51 40.88 | -00 28 03.3 |        | 691 | 1996 SH <sub>5</sub> | 1996 09 22.40059   | 23 43 59.39 | -01 22 51.3 |        | 691 |
| 1996 SW <sub>4</sub>  | * 1996 09 20.34493 | 23 52 31.97 | -00 23 39.2 | 20.5 V | 691 | 1996 SH <sub>5</sub> | 1996 09 22.42515   | 23 43 57.96 | -01 22 57.4 |        | 691 |
| 1996 SW <sub>4</sub>  | 1996 09 20.37287   | 23 52 30.40 | -00 23 51.2 |        | 691 | 1996 SJ <sub>5</sub> | * 1996 09 19.25754 | 23 57 56.62 | -01 11 52.6 | 18.7 V | 691 |
| 1996 SW <sub>4</sub>  | 1996 09 20.39752   | 23 52 28.97 | -00 24 00.7 |        | 691 | 1996 SJ <sub>5</sub> | 1996 09 19.28005   | 23 57 55.48 | -01 11 56.0 |        | 691 |
| 1996 SW <sub>4</sub>  | 1996 09 21.36855   | 23 51 35.24 | -00 30 45.7 | 20.7 V | 691 | 1996 SJ <sub>5</sub> | 1996 09 19.30608   | 23 57 54.17 | -01 11 59.8 |        | 691 |
| 1996 SW <sub>4</sub>  | 1996 09 21.38951   | 23 51 34.04 | -00 30 54.6 |        | 691 | 1996 SJ <sub>5</sub> | 1996 09 22.37862   | 23 55 23.24 | -01 19 39.3 |        | 691 |
| 1996 SX <sub>4</sub>  | * 1996 09 20.34836 | 23 57 29.30 | -00 23 48.7 | 20.1 V | 691 | 1996 SJ <sub>5</sub> | 1996 09 22.40847   | 23 55 21.73 | -01 19 43.7 | 19.1 V | 691 |
| 1996 SX <sub>4</sub>  | 1996 09 20.37630   | 23 57 27.70 | -00 23 57.8 |        | 691 | 1996 SJ <sub>5</sub> | 1996 09 22.43303   | 23 55 20.49 | -01 19 46.2 |        | 691 |
| 1996 SX <sub>4</sub>  | 1996 09 20.40095   | 23 57 26.31 | -00 24 06.0 |        | 691 | 1996 SK <sub>5</sub> | * 1996 09 19.26051 | 00 02 13.92 | -01 03 12.0 | 19.8 V | 691 |
| 1996 SX <sub>4</sub>  | 1996 09 21.37198   | 23 56 32.90 | -00 29 29.1 | 19.9 V | 691 | 1996 SK <sub>5</sub> | 1996 09 19.28302   | 00 02 12.66 | -01 03 21.5 |        | 691 |
| 1996 SX <sub>4</sub>  | 1996 09 21.41435   | 23 56 30.49 | -00 29 43.1 |        | 691 | 1996 SK <sub>5</sub> | 1996 09 19.30905   | 00 02 11.22 | -01 03 31.5 |        | 691 |
| 1996 SA <sub>5</sub>  | * 1996 09 17.23489 | 23 05 00.19 | -09 02 22.1 |        | 691 | 1996 SK <sub>5</sub> | 1996 09 22.38139   | 23 59 23.33 | -01 24 19.0 |        | 691 |
| 1996 SA <sub>5</sub>  | 1996 09 17.26029   | 23 04 58.80 | -09 02 26.6 | 19.7 V | 691 | 1996 SK <sub>5</sub> | 1996 09 22.41124   | 23 59 21.60 | -01 24 31.4 | 20.0 V | 691 |

|                      |                    |             |             |        |     |                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 SK <sub>5</sub> | 1996 09 22.43580   | 23 59 20.22 | -01 24 41.8 |        | 691 | 1996 ST <sub>5</sub> | 1996 09 22.43587   | 23 59 26.70 | -01 04 22.8 | 21.1 V | 691 |
| 1996 SL <sub>5</sub> | * 1996 09 19.26150 | 00 03 39.82 | -01 03 11.5 | 20.2 V | 691 | 1996 SU <sub>5</sub> | * 1996 09 21.37518 | 00 01 09.70 | -00 53 12.9 |        | 691 |
| 1996 SL <sub>5</sub> | 1996 09 19.28401   | 00 03 38.29 | -01 03 12.8 |        | 691 | 1996 SU <sub>5</sub> | 1996 09 21.39614   | 00 01 08.49 | -00 53 18.3 | 20.6 V | 691 |
| 1996 SL <sub>5</sub> | 1996 09 19.31003   | 00 03 36.44 | -01 03 13.6 |        | 691 | 1996 SU <sub>5</sub> | 1996 09 21.41755   | 00 01 07.30 | -00 53 23.6 |        | 691 |
| 1996 SL <sub>5</sub> | 1996 09 22.38196   | 00 00 12.94 | -01 05 06.3 |        | 691 | 1996 SU <sub>5</sub> | 1996 09 22.38199   | 00 00 15.54 | -00 57 33.8 |        | 691 |
| 1996 SL <sub>5</sub> | 1996 09 22.41180   | 00 00 10.86 | -01 05 07.5 | 20.4 V | 691 | 1996 SU <sub>5</sub> | 1996 09 22.41184   | 00 00 13.83 | -00 57 41.7 | 20.8 V | 691 |
| 1996 SL <sub>5</sub> | 1996 09 22.43636   | 00 00 09.17 | -01 05 08.9 |        | 691 | 1996 SU <sub>5</sub> | 1996 09 22.43640   | 00 00 12.43 | -00 57 48.6 |        | 691 |
| 1996 SM <sub>5</sub> | * 1996 09 20.25973 | 22 48 35.25 | -08 22 25.1 | 20.3 V | 691 | 1996 SE <sub>7</sub> | 1996 09 20.25895   | 22 46 59.98 | -08 21 28.4 |        | 691 |
| 1996 SM <sub>5</sub> | 1996 09 20.28164   | 22 48 34.39 | -08 22 32.2 |        | 691 | 1996 SE <sub>7</sub> | 1996 09 20.28086   | 22 46 59.06 | -08 21 34.6 | 18.7 V | 691 |
| 1996 SM <sub>5</sub> | 1996 09 20.30708   | 22 48 33.43 | -08 22 41.4 |        | 691 | 1996 SE <sub>7</sub> | 1996 09 20.30632   | 22 46 58.03 | -08 21 41.7 |        | 691 |
| 1996 SM <sub>5</sub> | 1996 09 21.22971   | 22 48 02.06 | -08 27 59.8 |        | 691 | 1996 SF <sub>7</sub> | 1996 09 21.23882   | 23 01 11.63 | -08 52 46.3 |        | 691 |
| 1996 SM <sub>5</sub> | 1996 09 21.25099   | 22 48 01.28 | -08 28 06.8 | 20.2 V | 691 | 1996 SF <sub>7</sub> | 1996 09 21.26011   | 23 01 10.84 | -08 52 59.6 | 18.5 V | 691 |
| 1996 SM <sub>5</sub> | 1996 09 21.27203   | 22 48 00.48 | -08 28 13.7 |        | 691 | 1996 SF <sub>7</sub> | 1996 09 21.28112   | 23 01 10.05 | -08 53 12.7 |        | 691 |
| 1996 SN <sub>5</sub> | * 1996 09 20.27520 | 23 10 54.87 | -08 23 44.9 |        | 691 | 1996 TL              | 1996 09 22.38426   | 00 03 32.05 | -01 07 36.2 |        | 691 |
| 1996 SN <sub>5</sub> | 1996 09 20.29711   | 23 10 53.72 | -08 23 52.4 |        | 691 | 1996 TL              | 1996 09 22.41411   | 00 03 30.90 | -01 08 00.1 | 19.6 V | 691 |
| 1996 SN <sub>5</sub> | 1996 09 20.32254   | 23 10 52.39 | -08 24 01.9 | 20.1 V | 691 | 1996 TL              | 1996 09 22.43868   | 00 03 29.93 | -01 08 20.9 |        | 691 |
| 1996 SN <sub>5</sub> | 1996 09 21.24499   | 23 10 05.73 | -08 29 28.5 | 19.8 V | 691 | 1996 TC <sub>1</sub> | * 1996 10 04.16409 | 23 15 10.46 | +06 06 33.0 | 20.6 V | 691 |
| 1996 SN <sub>5</sub> | 1996 09 21.26627   | 23 10 04.62 | -08 29 35.1 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 04.18650   | 23 15 10.99 | +06 07 39.6 | 20.8 V | 691 |
| 1996 SN <sub>5</sub> | 1996 09 21.28728   | 23 10 03.51 | -08 29 42.0 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 04.20773   | 23 15 11.43 | +06 08 43.2 | 21.0 V | 691 |
| 1996 SO <sub>5</sub> | * 1996 09 20.33567 | 23 39 09.57 | -00 09 30.3 | 20.4 V | 691 | 1996 TC <sub>1</sub> | 1996 10 05.15113   | 23 15 53.37 | +06 50 31.8 | 21.1 V | 691 |
| 1996 SO <sub>5</sub> | 1996 09 20.36360   | 23 39 07.97 | -00 10 10.5 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 05.15580   | 23 15 53.50 | +06 50 43.2 | 21.2 V | 691 |
| 1996 SO <sub>5</sub> | 1996 09 21.35963   | 23 38 15.49 | -00 33 37.6 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 05.16120   | 23 15 53.57 | +06 50 56.0 | 21.1 V | 691 |
| 1996 SO <sub>5</sub> | 1996 09 21.38061   | 23 38 14.36 | -00 34 08.1 | 20.4 V | 691 | 1996 TC <sub>1</sub> | 1996 10 06.11095   | 23 16 30.70 | +07 25 17.5 | 20.9 V | 691 |
| 1996 SO <sub>5</sub> | 1996 09 21.40202   | 23 38 13.16 | -00 34 38.1 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 06.12197   | 23 16 30.96 | +07 25 40.0 | 21.2 V | 691 |
| 1996 SP <sub>5</sub> | * 1996 09 20.33667 | 23 40 36.52 | -00 21 00.6 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 08.23076   | 23 17 39.65 | +08 23 03.1 | 21.0 V | 691 |
| 1996 SP <sub>5</sub> | 1996 09 20.36461   | 23 40 34.99 | -00 21 11.3 | 20.1 V | 691 | 1996 TC <sub>1</sub> | 1996 10 08.23861   | 23 17 39.77 | +08 23 14.2 | 21.4 V | 691 |
| 1996 SP <sub>5</sub> | 1996 09 20.38926   | 23 40 33.65 | -00 21 20.9 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 09.29100   | 23 18 11.21 | +08 45 00.3 | 21.6 V | 691 |
| 1996 SP <sub>5</sub> | 1996 09 21.36031   | 23 39 42.19 | -00 27 36.5 | 20.1 V | 691 | 1996 TC <sub>1</sub> | 1996 10 09.29905   | 23 18 11.34 | +08 45 09.7 | 21.5 V | 691 |
| 1996 SP <sub>5</sub> | 1996 09 21.38128   | 23 39 41.04 | -00 27 45.0 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 11.21975   | 23 19 09.08 | +09 17 03.2 | 21.9 V | 691 |
| 1996 SP <sub>5</sub> | 1996 09 21.40269   | 23 39 39.88 | -00 27 53.3 |        | 691 | 1996 TC <sub>1</sub> | 1996 10 11.23809   | 23 19 09.45 | +09 17 19.2 | 22.1 V | 691 |
| 1996 SQ <sub>5</sub> | * 1996 09 20.34533 | 23 53 06.47 | -00 23 23.4 | 20.4 V | 691 | 1996 TD <sub>1</sub> | * 1996 10 05.17575 | 23 28 18.42 | +05 04 58.7 | 18.1 V | 691 |
| 1996 SQ <sub>5</sub> | 1996 09 20.37326   | 23 53 04.86 | -00 23 28.2 |        | 691 | 1996 TD <sub>1</sub> | 1996 10 05.19645   | 23 28 18.56 | +05 04 17.2 | 18.1 V | 691 |
| 1996 SQ <sub>5</sub> | 1996 09 20.39792   | 23 53 03.38 | -00 23 32.2 |        | 691 | 1996 TD <sub>1</sub> | 1996 10 05.21723   | 23 28 18.68 | +05 03 35.5 | 18.2 V | 691 |
| 1996 SQ <sub>5</sub> | 1996 09 21.36892   | 23 52 07.63 | -00 26 18.0 |        | 691 | 1996 TD <sub>1</sub> | 1996 10 06.13156   | 23 28 28.92 | +04 33 20.4 | 18.2 V | 691 |
| 1996 SQ <sub>5</sub> | 1996 09 21.38988   | 23 52 06.37 | -00 26 21.3 | 20.6 V | 691 | 1996 TD <sub>1</sub> | 1996 10 06.13592   | 23 28 28.97 | +04 33 12.0 | 18.2 V | 691 |
| 1996 SQ <sub>5</sub> | 1996 09 21.41129   | 23 52 05.13 | -00 26 24.7 |        | 691 | 1996 TD <sub>1</sub> | 1996 10 06.14076   | 23 28 28.99 | +04 33 02.4 | 18.2 V | 691 |
| 1996 SR <sub>5</sub> | * 1996 09 20.34933 | 23 58 53.13 | -00 21 13.8 | 17.8 V | 691 | 1996 TG <sub>1</sub> | 1996 09 14.20259   | 22 47 45.71 | -07 58 39.3 | 18.7 V | 691 |
| 1996 SR <sub>5</sub> | 1996 09 20.37727   | 23 58 51.82 | -00 21 28.7 |        | 691 | 1996 TG <sub>1</sub> | 1996 09 14.22379   | 22 47 44.69 | -07 58 46.1 |        | 691 |
| 1996 SR <sub>5</sub> | 1996 09 20.40193   | 23 58 50.67 | -00 21 42.1 |        | 691 | 1996 TG <sub>1</sub> | 1996 09 14.24508   | 22 47 43.65 | -07 58 53.1 |        | 691 |
| 1996 SR <sub>5</sub> | 1996 09 21.37309   | 23 58 08.95 | -00 30 26.9 | 17.7 V | 691 | 1996 TH <sub>5</sub> | 1996 09 19.26177   | 00 04 03.71 | -01 13 34.2 | 18.3 V | 691 |
| 1996 SR <sub>5</sub> | 1996 09 21.39406   | 23 58 07.97 | -00 30 38.2 |        | 691 | 1996 TH <sub>5</sub> | 1996 09 19.31031   | 00 04 00.85 | -01 13 47.2 |        | 691 |
| 1996 SR <sub>5</sub> | 1996 09 21.41547   | 23 58 06.98 | -00 30 49.6 |        | 691 | 1996 TP <sub>6</sub> | * 1996 10 09.23148 | 01 55 29.55 | +01 55 24.7 | 20.1 V | 691 |
| 1996 SS <sub>5</sub> | * 1996 09 21.37432 | 23 59 55.46 | -00 51 01.4 | 18.6 V | 691 | 1996 TP <sub>6</sub> | 1996 10 09.25227   | 01 55 26.65 | +01 55 33.3 | 20.1 V | 691 |
| 1996 SS <sub>5</sub> | 1996 09 21.41670   | 23 59 53.39 | -00 51 20.9 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 09.27300   | 01 55 23.81 | +01 55 42.2 | 20.3 V | 691 |
| 1996 SS <sub>5</sub> | 1996 09 22.38121   | 23 59 08.38 | -00 58 48.6 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 10.37041   | 01 52 58.67 | +02 03 24.8 | 20.2 V | 691 |
| 1996 SS <sub>5</sub> | 1996 09 22.41107   | 23 59 06.94 | -00 59 02.6 | 19.1 V | 691 | 1996 TP <sub>6</sub> | 1996 10 10.37645   | 01 52 57.85 | +02 03 27.9 | 20.2 V | 691 |
| 1996 SS <sub>5</sub> | 1996 09 22.43563   | 23 59 05.73 | -00 59 14.4 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 10.38206   | 01 52 57.10 | +02 03 30.4 | 20.2 V | 691 |
| 1996 ST <sub>5</sub> | * 1996 09 21.37460 | 00 00 19.96 | -00 56 13.2 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 12.33399   | 01 48 47.80 | +02 16 58.0 | 20.6 V | 691 |
| 1996 ST <sub>5</sub> | 1996 09 21.39557   | 00 00 18.85 | -00 56 22.7 | 20.9 V | 691 | 1996 TP <sub>6</sub> | 1996 10 12.35495   | 01 48 45.09 | +02 17 06.3 | 20.4 V | 691 |
| 1996 ST <sub>5</sub> | 1996 09 21.41698   | 00 00 17.78 | -00 56 32.0 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 12.37608   | 01 48 42.34 | +02 17 15.2 | 20.2 V | 691 |
| 1996 ST <sub>5</sub> | 1996 09 22.38146   | 23 59 29.51 | -01 03 56.4 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 15.29094   | 01 42 49.88 | +02 36 45.8 | 20.1 V | 691 |
| 1996 ST <sub>5</sub> | 1996 09 22.41131   | 23 59 27.98 | -01 04 10.6 |        | 691 | 1996 TP <sub>6</sub> | 1996 10 15.30232   | 01 42 48.49 | +02 36 50.3 | 20.5 V | 691 |

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TP <sub>6</sub>  | 1996 10 16.23570   | 01 41 01.16 | +02 42 57.8 | 20.4 V | 691 |
| 1996 TP <sub>6</sub>  | 1996 10 16.24317   | 01 41 00.29 | +02 43 00.5 | 20.3 V | 691 |
| 1996 TP <sub>6</sub>  | 1996 10 16.25591   | 01 40 58.77 | +02 43 05.6 | 20.5 V | 691 |
| 1996 TQ <sub>6</sub>  | * 1996 10 09.38415 | 01 53 03.29 | +00 51 17.3 | 19.7 V | 691 |
| 1996 TQ <sub>6</sub>  | 1996 10 09.40506   | 01 53 03.76 | +00 50 54.2 | 19.3 V | 691 |
| 1996 TQ <sub>6</sub>  | 1996 10 09.42615   | 01 53 04.34 | +00 50 41.5 | 19.8 V | 691 |
| 1996 TQ <sub>6</sub>  | 1996 10 10.39607   | 01 53 35.27 | +00 36 59.1 | 19.4 V | 691 |
| 1996 TQ <sub>6</sub>  | 1996 10 10.40153   | 01 53 35.40 | +00 36 54.5 | 19.6 V | 691 |
| 1996 TQ <sub>6</sub>  | 1996 10 10.40755   | 01 53 35.56 | +00 36 49.2 | 19.6 V | 691 |
| 1996 TR <sub>6</sub>  | * 1996 10 09.47046 | 03 54 35.10 | +04 58 28.3 | 19.7 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 09.48788   | 03 54 34.73 | +04 57 48.6 | 19.7 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 09.50538   | 03 54 34.38 | +04 57 08.5 | 19.5 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 10.41588   | 03 54 19.20 | +04 22 28.8 | 19.3 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 10.42127   | 03 54 19.08 | +04 22 16.6 | 19.4 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 10.42678   | 03 54 18.95 | +04 22 03.9 | 19.4 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 11.44008   | 03 53 58.17 | +03 43 20.1 | 19.4 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 11.44576   | 03 53 58.05 | +03 43 07.6 | 19.4 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 11.45243   | 03 53 57.84 | +03 42 51.7 | 19.4 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 11.46447   | 03 53 57.58 | +03 42 24.5 | 19.3 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 11.48601   | 03 53 57.00 | +03 41 34.6 | 19.2 V | 691 |
| 1996 TR <sub>6</sub>  | 1996 10 11.50722   | 03 53 56.41 | +03 40 46.0 | 19.4 V | 691 |
| 1996 TF <sub>9</sub>  | * 1996 10 11.31200 | 01 53 40.45 | +02 31 20.4 | 20.7 V | 691 |
| 1996 TF <sub>9</sub>  | 1996 10 11.33298   | 01 53 39.26 | +02 31 18.6 | 19.4 V | 691 |
| 1996 TF <sub>9</sub>  | 1996 10 11.35745   | 01 53 36.95 | +02 31 16.5 | 20.4 V | 691 |
| 1996 TF <sub>9</sub>  | 1996 10 12.30191   | 01 52 27.61 | +02 29 47.1 | 20.5 V | 691 |
| 1996 TF <sub>9</sub>  | 1996 10 12.30742   | 01 52 27.20 | +02 29 46.4 | 20.4 V | 691 |
| 1996 TF <sub>9</sub>  | 1996 10 12.31280   | 01 52 26.76 | +02 29 45.9 | 20.5 V | 691 |
| 1996 TG <sub>9</sub>  | * 1996 10 12.48433 | 02 55 09.19 | +17 53 44.9 | 21.2 V | 691 |
| 1996 TG <sub>9</sub>  | 1996 10 12.49042   | 02 55 08.80 | +17 53 43.9 | 21.3 V | 691 |
| 1996 TG <sub>9</sub>  | 1996 10 12.49926   | 02 55 08.46 | +17 53 41.5 | 20.9 V | 691 |
| 1996 TQ <sub>9</sub>  | * 1996 10 09.31379 | 01 43 42.93 | +01 39 25.2 | 17.9 V | 691 |
| 1996 TQ <sub>9</sub>  | 1996 10 09.33460   | 01 43 40.64 | +01 39 32.2 | 17.8 V | 691 |
| 1996 TQ <sub>9</sub>  | 1996 10 09.35602   | 01 43 38.31 | +01 39 39.7 | 17.9 V | 691 |
| 1996 TQ <sub>9</sub>  | 1996 10 15.24734   | 01 32 52.47 | +02 16 10.1 | 17.8 V | 691 |
| 1996 TQ <sub>9</sub>  | 1996 10 15.25289   | 01 32 51.84 | +02 16 12.3 | 17.7 V | 691 |
| 1996 TQ <sub>9</sub>  | 1996 10 15.26002   | 01 32 51.01 | +02 16 15.1 | 17.6 V | 691 |
| 1996 TX <sub>11</sub> | * 1996 10 15.26626 | 01 31 22.10 | +02 14 02.9 | 20.6 V | 691 |
| 1996 TX <sub>11</sub> | 1996 10 15.27278   | 01 31 21.71 | +02 14 01.3 | 20.7 V | 691 |
| 1996 TX <sub>11</sub> | 1996 10 15.27961   | 01 31 21.29 | +02 14 00.2 | 20.5 V | 691 |
| 1996 TX <sub>11</sub> | 1996 10 16.20818   | 01 30 30.40 | +02 10 44.9 | 20.8 V | 691 |
| 1996 TX <sub>11</sub> | 1996 10 16.21568   | 01 30 29.94 | +02 10 43.9 | 20.8 V | 691 |
| 1996 TX <sub>11</sub> | 1996 10 16.22360   | 01 30 29.46 | +02 10 42.1 | 20.3 V | 691 |
| 1996 TY <sub>11</sub> | * 1996 10 15.35557 | 02 42 03.86 | +16 04 13.4 | 21.1 V | 691 |
| 1996 TY <sub>11</sub> | 1996 10 15.37745   | 02 42 00.92 | +16 04 13.5 | 20.8 V | 691 |
| 1996 TY <sub>11</sub> | 1996 10 15.40253   | 02 41 57.39 | +16 04 14.9 | 20.5 V | 691 |
| 1996 TY <sub>11</sub> | 1996 10 16.26362   | 02 40 03.52 | +16 04 40.3 | 20.7 V | 691 |
| 1996 TY <sub>11</sub> | 1996 10 16.26779   | 02 40 02.95 | +16 04 40.6 | 20.9 V | 691 |
| 1996 TY <sub>11</sub> | 1996 10 16.27226   | 02 40 02.31 | +16 04 40.9 | 20.6 V | 691 |
| 4599 P-L              | 1992 12 01.29815   | 03 29 37.88 | +26 06 18.7 | 17.1 V | 691 |
| 4599 P-L              | 1992 12 01.31858   | 03 29 36.70 | +26 06 16.1 |        | 691 |
| 4599 P-L              | 1992 12 01.33918   | 03 29 35.46 | +26 06 13.2 |        | 691 |
| 3077 T-1              | 1996 09 05.37115   | 00 04 08.21 | -00 00 26.4 | 19.3 V | 691 |

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| 3077 T-1 | 1996 09 05.39210 | 00 04 07.39 | -00 00 31.6 |        | 691 |
| 3077 T-1 | 1996 09 05.41445 | 00 04 06.50 | -00 00 37.2 |        | 691 |
| 2225 T-2 | 1996 09 15.38728 | 00 02 51.30 | -00 55 18.3 | 18.5 V | 691 |
| 2225 T-2 | 1996 09 15.40831 | 00 02 50.10 | -00 55 24.3 |        | 691 |
| 2225 T-2 | 1996 09 15.42968 | 00 02 48.91 | -00 55 31.0 |        | 691 |
| 2225 T-2 | 1996 09 19.25849 | 23 59 19.26 | -01 15 20.2 | 18.2 V | 691 |
| 2225 T-2 | 1996 09 19.28100 | 23 59 17.98 | -01 15 27.3 |        | 691 |
| 2225 T-2 | 1996 09 19.30703 | 23 59 16.50 | -01 15 35.2 |        | 691 |
| 2257 T-2 | 1996 09 11.18464 | 23 06 22.04 | -09 17 24.2 | 18.4 V | 691 |
| 2257 T-2 | 1996 09 11.22754 | 23 06 19.58 | -09 17 36.3 |        | 691 |
| 2122 T-3 | 1991 12 08.43248 | 07 23 26.44 | +19 21 50.2 |        | 691 |
| 2122 T-3 | 1991 12 08.45443 | 07 23 25.58 | +19 21 49.3 | 19.9 V | 691 |

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Measurers T. B. Spahr, C. W. Hergenrother

0.41-m  $f/3$  Schmidt

GSC

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1991 EJ <sub>1</sub> | 1995 05 24.30157   | 15 36 21.59 | -06 09 35.8 | 16.5 V | 693 |
| 1991 EJ <sub>1</sub> | 1995 05 24.31979   | 15 36 20.46 | -06 09 34.9 |        | 693 |
| 1991 EJ <sub>1</sub> | 1995 05 25.33246   | 15 35 24.00 | -06 07 51.0 |        | 693 |
| 1993 OV              | 1996 10 14.24406   | 23 40 33.88 | +35 25 05.1 | 16.0 V | 693 |
| 1993 OV              | 1996 10 16.19684   | 23 39 32.12 | +34 45 04.8 | 15.5 V | 693 |
| 1993 OV              | 1996 10 16.22023   | 23 39 31.37 | +34 44 34.8 | 16.0 V | 693 |
| 1994 EJ <sub>1</sub> | 1996 10 17.34509   | 01 46 30.59 | -04 53 36.1 |        | 693 |
| 1994 EJ <sub>1</sub> | 1996 10 17.39185   | 01 46 28.27 | -04 54 11.4 |        | 693 |
| 1994 EJ <sub>1</sub> | 1996 10 18.29274   | 01 45 48.02 | -05 05 42.6 |        | 693 |
| 1994 EJ <sub>1</sub> | 1996 10 18.31106   | 01 45 47.06 | -05 05 56.6 |        | 693 |
| 1995 KM <sub>5</sub> | * 1995 05 24.30157 | 15 35 58.53 | -01 06 05.5 | 15.8 V | 693 |
| 1995 KM <sub>5</sub> | 1995 05 24.31979   | 15 35 57.46 | -01 06 09.6 |        | 693 |
| 1995 KM <sub>5</sub> | 1995 05 25.33246   | 15 34 56.63 | -01 10 42.4 |        | 693 |
| 1995 KN <sub>5</sub> | * 1995 05 24.30157 | 15 42 27.28 | -03 19 29.4 | 17.0 V | 693 |
| 1995 KN <sub>5</sub> | 1995 05 24.31979   | 15 42 26.15 | -03 19 31.9 |        | 693 |
| 1995 KN <sub>5</sub> | 1995 05 25.31366   | 15 41 25.65 | -03 22 58.9 |        | 693 |
| 1995 KN <sub>5</sub> | 1995 05 25.33246   | 15 41 24.40 | -03 23 03.0 |        | 693 |
| 1995 KO <sub>5</sub> | * 1995 05 24.30157 | 15 47 20.89 | -04 45 15.5 | 17.5 V | 693 |
| 1995 KO <sub>5</sub> | 1995 05 24.31979   | 15 47 19.76 | -04 45 12.8 |        | 693 |
| 1995 KO <sub>5</sub> | 1995 05 25.31366   | 15 46 21.12 | -04 43 54.0 |        | 693 |
| 1995 KO <sub>5</sub> | 1995 05 25.33246   | 15 46 19.93 | -04 43 52.0 |        | 693 |
| 1995 KP <sub>5</sub> | * 1995 05 24.30157 | 15 49 16.37 | -05 41 14.0 | 16.5 V | 693 |
| 1995 KP <sub>5</sub> | 1995 05 24.31979   | 15 49 15.32 | -05 41 08.3 |        | 693 |
| 1995 KP <sub>5</sub> | 1995 05 25.31366   | 15 48 24.40 | -05 36 54.0 | 17.0 V | 693 |
| 1995 KP <sub>5</sub> | 1995 05 25.33246   | 15 48 23.40 | -05 36 44.2 |        | 693 |
| 1995 KQ <sub>5</sub> | * 1995 05 24.30157 | 15 49 23.30 | -03 34 20.4 | 16.7 V | 693 |
| 1995 KQ <sub>5</sub> | 1995 05 24.31979   | 15 49 22.43 | -03 34 25.7 |        | 693 |
| 1995 KQ <sub>5</sub> | 1995 05 25.31366   | 15 48 38.45 | -03 39 29.0 |        | 693 |
| 1995 KR <sub>5</sub> | * 1995 05 24.30157 | 15 55 07.14 | -05 21 09.1 | 17.0 V | 693 |
| 1995 KR <sub>5</sub> | 1995 05 24.31979   | 15 55 06.24 | -05 21 09.0 |        | 693 |
| 1995 KR <sub>5</sub> | 1995 05 25.31366   | 15 54 17.33 | -05 21 06.3 |        | 693 |
| 1995 KR <sub>5</sub> | 1995 05 25.33246   | 15 54 16.15 | -05 21 07.2 |        | 693 |
| 1995 KS <sub>5</sub> | * 1995 05 24.31082 | 16 10 44.77 | -05 22 33.5 | 17.5 V | 693 |

|                       |                    |             |             |            |                       |                    |             |             |            |
|-----------------------|--------------------|-------------|-------------|------------|-----------------------|--------------------|-------------|-------------|------------|
| 1995 KS <sub>5</sub>  | 1995 05 24.33044   | 16 10 43.80 | -05 22 31.5 | 693        | 1996 RN <sub>2</sub>  | 1996 10 06.22045   | 22 37 55.83 | +31 20 40.9 | 693        |
| 1995 KS <sub>5</sub>  | 1995 05 25.32326   | 16 09 57.30 | -05 20 39.0 | 693        | 1996 RR <sub>2</sub>  | 1996 10 08.17760   | 23 09 30.53 | +35 42 58.6 | 693        |
| 1995 KS <sub>5</sub>  | 1995 05 25.34381   | 16 09 56.31 | -05 20 36.8 | 693        | 1996 RR <sub>2</sub>  | 1996 10 08.19586   | 23 09 29.01 | +35 42 50.3 | 693        |
| 1995 KT <sub>5</sub>  | * 1995 05 24.31082 | 16 11 13.07 | -03 44 48.3 | 16.3 V 693 | 1996 RR <sub>23</sub> | * 1996 09 05.22008 | 22 53 24.25 | +02 00 12.1 | 17.0 V 693 |
| 1995 KT <sub>5</sub>  | 1995 05 24.33044   | 16 11 11.93 | -03 44 50.0 | 693        | 1996 RR <sub>23</sub> | 1996 09 05.25003   | 22 53 22.89 | +02 00 06.5 | 693        |
| 1995 KT <sub>5</sub>  | 1995 05 25.32326   | 16 10 22.27 | -03 45 37.5 | 693        | 1996 RR <sub>23</sub> | 1996 09 06.28343   | 22 52 31.97 | +01 58 06.8 | 693        |
| 1995 KT <sub>5</sub>  | 1995 05 25.34381   | 16 10 21.24 | -03 45 38.5 | 693        | 1996 RR <sub>23</sub> | 1996 09 06.29868   | 22 52 31.21 | +01 58 04.1 | 693        |
| 1995 MC               | 1996 10 11.25517   | 00 54 30.28 | +40 24 25.0 | 693        | 1996 RS <sub>23</sub> | * 1996 09 05.22008 | 22 53 53.46 | +02 50 45.1 | 16.7 V 693 |
| 1995 MC               | 1996 10 11.27049   | 00 54 29.20 | +40 24 21.3 | 693        | 1996 RS <sub>23</sub> | 1996 09 05.25003   | 22 53 52.20 | +02 50 25.9 | 693        |
| 1995 MC               | 1996 10 16.30537   | 00 49 20.44 | +40 02 59.1 | 693        | 1996 RS <sub>23</sub> | 1996 09 06.28345   | 22 53 14.28 | +02 38 26.0 | 693        |
| 1995 MC               | 1996 10 16.32612   | 00 49 19.21 | +40 02 52.9 | 693        | 1996 RS <sub>23</sub> | 1996 09 06.29868   | 22 53 13.65 | +02 38 15.1 | 693        |
| 1995 SX <sub>4</sub>  | 1995 09 20.20749   | 22 35 43.24 | +01 00 18.7 | 16.5 V 693 | 1996 RT <sub>23</sub> | * 1996 09 05.22008 | 22 54 23.62 | +00 37 50.0 | 17.2 V 693 |
| 1995 SX <sub>4</sub>  | 1995 09 20.22616   | 22 35 42.30 | +01 00 14.8 | 693        | 1996 RT <sub>23</sub> | 1996 09 05.25003   | 22 54 22.20 | +00 37 32.6 | 693        |
| 1995 SX <sub>54</sub> | * 1995 09 20.20749 | 22 34 00.79 | +02 35 50.5 | 16.2 V 693 | 1996 RT <sub>23</sub> | 1996 09 06.28345   | 22 53 33.43 | +00 27 40.0 | 693        |
| 1995 SX <sub>54</sub> | 1995 09 20.22616   | 22 34 00.22 | +02 35 39.0 | 693        | 1996 RU <sub>23</sub> | * 1996 09 05.22008 | 22 56 44.10 | -01 29 20.5 | 16.5 V 693 |
| 1995 SX <sub>54</sub> | 1995 09 25.20440   | 22 31 41.58 | +01 32 07.3 | 693        | 1996 RU <sub>23</sub> | 1996 09 05.25003   | 22 56 43.06 | -01 29 39.1 | 693        |
| 1995 SX <sub>54</sub> | 1995 09 25.22000   | 22 31 41.13 | +01 31 55.5 | 693        | 1996 RU <sub>23</sub> | 1996 09 06.28345   | 22 56 01.75 | -01 40 32.5 | 693        |
| 1995 SY <sub>54</sub> | * 1995 09 20.20749 | 22 40 15.79 | +04 16 38.3 | 17.0 V 693 | 1996 RU <sub>23</sub> | 1996 09 06.29868   | 22 56 01.05 | -01 40 41.5 | 693        |
| 1995 SY <sub>54</sub> | 1995 09 20.22616   | 22 40 15.10 | +04 16 23.4 | 693        | 1996 RV <sub>23</sub> | * 1996 09 05.22008 | 22 57 00.01 | -00 15 26.2 | 16.7 V 693 |
| 1995 SY <sub>54</sub> | 1995 09 25.20440   | 22 37 52.72 | +03 15 40.0 | 693        | 1996 RV <sub>23</sub> | 1996 09 05.25003   | 22 56 58.06 | -00 15 28.0 | 693        |
| 1995 SY <sub>54</sub> | 1995 09 25.22000   | 22 37 52.35 | +03 15 30.1 | 693        | 1996 RV <sub>23</sub> | 1996 09 06.28343   | 22 55 55.79 | -00 17 01.6 | 693        |
| 1995 SZ <sub>54</sub> | * 1995 09 20.20749 | 22 44 14.45 | +03 27 21.0 | 17.0 V 693 | 1996 RV <sub>23</sub> | 1996 09 06.29868   | 22 55 54.84 | -00 17 03.4 | 693        |
| 1995 SZ <sub>54</sub> | 1995 09 20.22616   | 22 44 13.70 | +03 27 11.5 | 693        | 1996 RW <sub>23</sub> | * 1996 09 05.22008 | 22 58 29.94 | +01 08 05.0 | 17.0 V 693 |
| 1995 SZ <sub>54</sub> | 1995 09 25.20440   | 22 41 23.56 | +02 37 58.7 | 693        | 1996 RW <sub>23</sub> | 1996 09 05.25003   | 22 58 28.58 | +01 07 51.2 | 693        |
| 1995 SZ <sub>54</sub> | 1995 09 25.22000   | 22 41 23.04 | +02 37 49.1 | 17.5 V 693 | 1996 RW <sub>23</sub> | 1996 09 06.28345   | 22 57 50.98 | +01 00 00.4 | 693        |
| 1995 SA <sub>55</sub> | * 1995 09 20.20749 | 22 46 48.09 | +02 02 32.0 | 17.2 V 693 | 1996 RW <sub>23</sub> | 1996 09 06.29868   | 22 57 50.39 | +00 59 52.2 | 693        |
| 1995 SA <sub>55</sub> | 1995 09 20.22616   | 22 46 47.40 | +02 02 25.0 | 693        | 1996 RX <sub>23</sub> | * 1996 09 05.22008 | 23 00 40.60 | -00 58 45.6 | 17.0 V 693 |
| 1995 SA <sub>55</sub> | 1995 09 25.20440   | 22 44 16.28 | +01 34 01.5 | 693        | 1996 RX <sub>23</sub> | 1996 09 05.25003   | 23 00 39.55 | -00 59 02.0 | 693        |
| 1995 SA <sub>55</sub> | 1995 09 25.22000   | 22 44 15.77 | +01 33 56.7 | 693        | 1996 RX <sub>23</sub> | 1996 09 06.28343   | 22 59 57.96 | -01 08 04.2 | 693        |
| 1995 SB <sub>55</sub> | * 1995 09 20.20749 | 22 47 06.11 | +02 13 03.5 | 17.5 V 693 | 1996 RX <sub>23</sub> | 1996 09 06.29868   | 22 59 57.36 | -01 08 11.6 | 693        |
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| 1995 SB <sub>55</sub> | 1995 09 25.20440   | 22 43 10.21 | +02 03 42.5 | 693        | 1996 RY <sub>23</sub> | 1996 09 05.25003   | 23 05 26.55 | -00 13 20.1 | 693        |
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| 1995 SC <sub>55</sub> | 1995 09 25.22000   | 22 46 42.99 | -00 58 09.3 | 693        | 1996 RZ <sub>23</sub> | 1996 09 06.29868   | 23 05 09.34 | -00 11 33.0 | 693        |
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| 1995 SD <sub>55</sub> | 1995 09 20.22616   | 22 49 12.93 | +03 39 28.3 | 693        | 1996 RA <sub>24</sub> | 1996 09 05.25003   | 23 07 59.89 | +01 48 28.1 | 693        |
| 1995 SD <sub>55</sub> | 1995 09 25.20440   | 22 46 11.00 | +02 53 38.8 | 17.5 V 693 | 1996 RA <sub>24</sub> | 1996 09 06.28345   | 23 07 12.27 | +01 41 12.4 | 693        |
| 1995 SD <sub>55</sub> | 1995 09 25.22000   | 22 46 10.50 | +02 53 31.5 | 693        | 1996 RA <sub>24</sub> | 1996 09 06.29868   | 23 07 11.45 | +01 41 06.3 | 693        |
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| 1995 SE <sub>55</sub> | 1995 09 20.22616   | 22 37 52.39 | +03 41 48.0 | 17.5 V 693 | 1996 RB <sub>24</sub> | 1996 09 05.25003   | 23 10 01.11 | +00 24 34.4 | 693        |
| 1995 SE <sub>55</sub> | * 1995 09 25.20440 | 22 34 55.55 | +03 11 29.2 | 17.3 V 693 | 1996 RB <sub>24</sub> | 1996 09 06.28345   | 23 09 03.71 | +00 22 57.8 | 693        |
| 1995 SE <sub>55</sub> | 1995 09 25.22000   | 22 34 55.04 | +03 11 22.6 | 693        | 1996 RB <sub>24</sub> | 1996 09 06.29868   | 23 09 02.50 | +00 22 57.6 | 693        |
| 1995 SF <sub>55</sub> | 1995 09 20.20749   | 22 50 12.09 | +03 49 30.3 | 17.2 V 693 | 1996 RM <sub>26</sub> | * 1996 09 08.22876 | 21 51 31.15 | +32 22 45.8 | 17.1 V 693 |
| 1995 SF <sub>55</sub> | 1995 09 20.22616   | 22 50 11.24 | +03 49 18.2 | 693        | 1996 RM <sub>26</sub> | 1996 09 08.24604   | 21 51 30.55 | +32 22 36.1 | 693        |
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| 1995 SF <sub>55</sub> | 1995 09 25.22000   | 22 47 15.12 | +02 54 45.0 | 693        | 1996 RM <sub>26</sub> | 1996 10 08.15614   | 21 43 30.18 | +26 04 51.4 | 16.5 V 693 |
| 1996 RJ               | 1996 10 07.21360   | 21 49 59.99 | +25 57 49.6 | 16.8 V 693 | 1996 RN <sub>26</sub> | 1996 09 08.22876   | 22 09 49.05 | +32 41 53.0 | O 693      |
| 1996 RJ               | 1996 10 07.23380   | 21 49 59.65 | +25 57 42.4 | 17.0 V 693 | 1996 RN <sub>26</sub> | 1996 09 08.24604   | 22 09 48.69 | +32 41 47.6 | O 693      |
| 1996 RN <sub>2</sub>  | 1996 10 06.19967   | 22 37 56.66 | +31 20 54.0 | 693        | 1996 RN <sub>26</sub> | * 1996 09 08.29954 | 22 09 47.03 | +32 41 37.4 | 17.3 V 693 |

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| 1996 RN <sub>26</sub> | 1996 09 08.31840   | 22 09 46.36 | +32 41 32.0 |        | 693 |
| 1996 RN <sub>26</sub> | 1996 10 07.22462   | 21 58 39.20 | +30 00 45.8 | 16.8 V | 693 |
| 1996 RN <sub>26</sub> | 1996 10 07.24417   | 21 58 38.95 | +30 00 39.0 |        | 693 |
| 1996 SY <sub>4</sub>  | 1996 10 08.28337   | 00 27 30.41 | -02 43 58.2 |        | 693 |
| 1996 SY <sub>4</sub>  | 1996 10 08.30411   | 00 27 29.48 | -02 44 02.4 |        | 693 |
| 1996 TR <sub>5</sub>  | * 1996 10 06.24057 | 00 08 16.35 | +31 27 39.8 | 16.4 V | 693 |
| 1996 TR <sub>5</sub>  | 1996 10 06.25987   | 00 08 14.26 | +31 27 50.8 |        | 693 |
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| 1996 TR <sub>5</sub>  | 1996 10 12.28643   | 23 58 01.96 | +32 08 24.3 |        | 693 |
| 1996 TR <sub>5</sub>  | 1996 10 12.30353   | 23 58 00.21 | +32 08 29.5 |        | 693 |
| 1996 TR <sub>5</sub>  | 1996 10 16.24366   | 23 51 56.56 | +32 25 26.0 |        | 693 |
| 1996 TR <sub>5</sub>  | 1996 10 16.26450   | 23 51 54.59 | +32 25 30.0 |        | 693 |
| 1996 TS <sub>5</sub>  | * 1996 10 07.32533 | 00 23 19.09 | +43 42 14.8 | 17.3 V | 693 |
| 1996 TS <sub>5</sub>  | 1996 10 07.34671   | 00 23 17.29 | +43 42 10.8 |        | 693 |
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| 1996 TS <sub>5</sub>  | 1996 10 17.33553   | 00 10 32.36 | +42 51 41.4 | 17.7 V | 693 |
| 1996 TS <sub>5</sub>  | 1996 10 17.38176   | 00 10 28.85 | +42 51 20.7 |        | 693 |
| 1996 TT <sub>5</sub>  | * 1996 10 07.32533 | 00 36 47.67 | +43 24 57.3 | 17.0 V | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 07.34671   | 00 36 46.40 | +43 24 52.7 |        | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 08.32844   | 00 35 48.84 | +43 20 24.8 |        | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 08.34537   | 00 35 47.79 | +43 20 20.8 |        | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 11.31342   | 00 32 56.47 | +43 03 28.8 |        | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 11.33669   | 00 32 55.17 | +43 03 19.9 |        | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 17.33553   | 00 27 32.46 | +42 14 16.1 | 17.2 V | 693 |
| 1996 TT <sub>5</sub>  | 1996 10 17.38176   | 00 27 30.15 | +42 13 47.9 |        | 693 |
| 1996 TW <sub>8</sub>  | * 1996 10 10.18785 | 23 41 47.50 | +35 00 11.5 | 17.0 V | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 10.20576   | 23 41 46.49 | +35 00 02.6 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 11.21049   | 23 40 53.97 | +34 52 55.5 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 11.22847   | 23 40 53.04 | +34 52 49.7 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 12.29500   | 23 39 58.79 | +34 44 56.7 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 12.31397   | 23 39 57.77 | +34 44 48.7 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 14.24406   | 23 38 23.80 | +34 29 52.6 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 16.19684   | 23 36 53.78 | +34 13 55.5 |        | 693 |
| 1996 TW <sub>8</sub>  | 1996 10 16.22023   | 23 36 52.73 | +34 13 42.8 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 10.18785   | 23 38 16.72 | +35 26 57.4 |        | 693 |
| 1996 TX <sub>8</sub>  | * 1996 10 10.19633 | 23 38 15.78 | +35 26 57.7 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 10.20576   | 23 38 15.27 | +35 26 55.7 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 10.21611   | 23 38 14.28 | +35 26 53.4 | 17.0 V | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 11.21049   | 23 36 53.58 | +35 25 18.7 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 11.22847   | 23 36 52.21 | +35 25 17.0 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 12.29500   | 23 35 28.50 | +35 23 10.4 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 12.31397   | 23 35 26.96 | +35 23 05.9 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 14.24406   | 23 33 03.21 | +35 18 08.2 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 16.19684   | 23 30 47.57 | +35 11 47.4 |        | 693 |
| 1996 TX <sub>8</sub>  | 1996 10 16.22023   | 23 30 45.97 | +35 11 43.1 |        | 693 |
| 1996 TY <sub>8</sub>  | 1996 10 06.24507   | 23 51 41.37 | +33 49 49.4 | 17.5 V | 693 |
| 1996 TY <sub>8</sub>  | 1996 10 06.25987   | 23 51 41.05 | +33 49 22.0 |        | 693 |
| 1996 TY <sub>8</sub>  | 1996 10 07.31253   | 23 51 19.64 | +33 24 31.4 | 16.8 V | 693 |
| 1996 TY <sub>8</sub>  | 1996 10 07.33479   | 23 51 19.29 | +33 24 01.2 |        | 693 |
| 1996 TY <sub>8</sub>  | * 1996 10 12.28643 | 23 50 01.80 | +31 19 16.1 | 17 V   | 693 |

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TY <sub>8</sub> | 1996 10 12.30353   | 23 50 01.62 | +31 18 50.0 |        | 693 |
| 1996 TY <sub>8</sub> | 1996 10 16.24366   | 23 49 29.45 | +29 31 40.5 |        | 693 |
| 1996 TY <sub>8</sub> | 1996 10 16.26450   | 23 49 29.42 | +29 31 05.1 |        | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 06.24507   | 00 02 20.71 | +33 16 59.2 |        | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 06.25987   | 00 02 19.70 | +33 16 52.7 |        | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 07.31253   | 00 01 29.33 | +33 11 02.2 |        | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 07.33479   | 00 01 28.26 | +33 10 55.3 |        | 693 |
| 1996 TZ <sub>8</sub> | * 1996 10 12.28643 | 23 57 41.38 | +32 40 20.5 | 16.8 V | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 12.30353   | 23 57 40.40 | +32 40 14.0 |        | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 16.24366   | 23 54 54.82 | +32 12 33.3 | 17.2 V | 693 |
| 1996 TZ <sub>8</sub> | 1996 10 16.26450   | 23 54 53.90 | +32 12 23.1 |        | 693 |
| 1996 TY <sub>9</sub> | * 1996 10 11.32550 | 00 56 08.00 | +51 25 18.9 | 16.5 V | 693 |
| 1996 TY <sub>9</sub> | 1996 10 11.34880   | 00 56 05.73 | +51 25 04.2 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 16.12959   | 00 49 15.41 | +50 27 38.0 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 16.14090   | 00 49 14.40 | +50 27 30.0 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 16.33626   | 00 48 57.66 | +50 24 55.5 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 16.37633   | 00 48 54.20 | +50 24 23.0 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 17.13861   | 00 47 52.22 | +50 14 05.5 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 17.14759   | 00 47 51.39 | +50 13 58.7 | 17 V I | 693 |
| 1996 TY <sub>9</sub> | 1996 10 18.28334   | 00 46 19.45 | +49 58 12.2 |        | 693 |
| 1996 TY <sub>9</sub> | 1996 10 18.30212   | 00 46 17.93 | +49 57 55.0 |        | 693 |
| 1996 UM              | 1996 10 17.34509   | 01 44 18.17 | -02 01 03.4 | 15.5 V | 693 |
| 1996 UM              | * 1996 10 18.29274 | 01 43 33.89 | -02 26 05.9 |        | 693 |
| 1996 UM              | 1996 10 18.31106   | 01 43 32.93 | -02 26 36.6 |        | 693 |

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1.2-m reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 JU              | 1996 09 20.10359 | 15 42 43.25 | +01 58 39.2 | 18.7 R | 696 |
| 1996 JU              | 1996 09 20.10544 | 15 42 43.43 | +01 58 37.8 |        | 696 |
| 1996 JV              | 1996 09 20.10833 | 15 51 46.02 | -07 42 55.6 | 17.4 R | 696 |
| 1996 JV              | 1996 09 20.11020 | 15 51 46.26 | -07 42 57.5 |        | 696 |
| 1996 KL <sub>1</sub> | 1996 09 20.11266 | 16 31 18.26 | -12 38 06.7 |        | 696 |
| 1996 KL <sub>1</sub> | 1996 09 20.11470 | 16 31 18.48 | -12 38 08.3 | 18.9 R | 696 |
| 1996 PC <sub>1</sub> | 1996 09 21.15051 | 17 02 35.96 | +70 22 09.2 | 21.4 R | 696 |
| 1996 PC <sub>1</sub> | 1996 09 21.15442 | 17 02 34.12 | +70 22 11.7 | 21.3 R | 696 |
| 1996 PC <sub>1</sub> | 1996 09 21.15832 | 17 02 32.42 | +70 22 14.9 | 21.5 R | 696 |
| 1996 QL <sub>1</sub> | 1996 09 21.46851 | 04 09 23.73 | +09 45 00.3 |        | 696 |
| 1996 QL <sub>1</sub> | 1996 09 21.47078 | 04 09 23.80 | +09 44 59.7 |        | 696 |
| 1996 QL <sub>1</sub> | 1996 09 21.47156 | 04 09 23.83 | +09 44 59.5 | 17.7 R | 696 |

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0.60-m *f*/7 Ritchey-Chrétien + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1994 TF <sub>2</sub> | 1996 10 14.27038 | 01 37 09.63 | -41 58 22.9 | 18.1 V | 709 |
| 1994 TF <sub>2</sub> | 1996 10 14.27230 | 01 37 09.22 | -41 58 31.9 | 18.0 V | 709 |
| 1994 TF <sub>2</sub> | 1996 10 14.27540 | 01 37 08.79 | -41 58 45.9 | 18.0 V | 709 |
| 1994 TF <sub>2</sub> | 1996 10 14.27811 | 01 37 08.36 | -41 58 58.8 | 18.0 V | 709 |

|                      |                  |             |             |        |       |                       |                    |             |             |        |       |
|----------------------|------------------|-------------|-------------|--------|-------|-----------------------|--------------------|-------------|-------------|--------|-------|
| 1994 TF <sub>2</sub> | 1996 10 14.28066 | 01 37 07.97 | -41 59 09.5 | 18.0 V | 709   | 1996 RC               | 1996 10 09.20322   | 22 33 32.63 | -09 44 54.5 | 19.4 V | 709   |
| 1994 TF <sub>2</sub> | 1996 10 14.28222 | 01 37 07.73 | -41 59 16.9 | 18.3 V | 709   | 1996 RC               | 1996 10 09.20740   | 22 33 32.55 | -09 44 56.0 | 19.5 V | 709   |
| 1996 RC              | 1996 09 27.16010 | 22 39 32.05 | -08 54 32.6 | 19.6 V | 709   | 1996 RC               | 1996 10 09.21363   | 22 33 32.40 | -09 44 57.1 | 19.5 V | 709   |
| 1996 RC              | 1996 09 27.16324 | 22 39 31.97 | -08 54 33.6 | 19.5 V | 709   | 1996 RC               | 1996 10 09.22010   | 22 33 32.30 | -09 44 58.3 | 19.4 V | 709   |
| 1996 RC              | 1996 09 27.16626 | 22 39 31.83 | -08 54 34.2 | 19.4 V | 709   | 1996 RC               | 1996 10 11.18213   | 22 32 55.99 | -09 50 42.4 | 19.8 V | 709   |
| 1996 RC              | 1996 09 27.16922 | 22 39 31.72 | -08 54 35.4 | 19.6 V | 709   | 1996 RC               | 1996 10 11.18641   | 22 32 55.90 | -09 50 43.3 | 19.7 V | 709   |
| 1996 RC              | 1996 09 30.11013 | 22 37 44.02 | -09 09 09.3 | 19.4 V | P 709 | 1996 RC               | 1996 10 11.19272   | 22 32 55.79 | -09 50 44.0 | 19.8 V | 709   |
| 1996 RC              | 1996 09 30.11383 | 22 37 43.85 | -09 09 10.3 | 19.8 V | P 709 | 1996 RC               | 1996 10 11.19858   | 22 32 55.66 | -09 50 45.1 | 19.7 V | 709   |
| 1996 RC              | 1996 09 30.12618 | 22 37 43.38 | -09 09 14.4 | 19.5 V | 709   | 1996 RC               | 1996 10 14.07671   | 22 32 14.30 | -09 57 53.2 | 19.7 V | 709   |
| 1996 RC              | 1996 09 30.12988 | 22 37 43.23 | -09 09 15.4 | 19.3 V | 709   | 1996 RC               | 1996 10 14.15318   | 22 32 13.24 | -09 58 03.6 | 19.2 V | 709   |
| 1996 RC              | 1996 09 30.13649 | 22 37 43.00 | -09 09 17.2 | 19.1 V | 709   | 1996 RC               | 1996 10 14.16626   | 22 32 13.08 | -09 58 05.3 | 19.6 V | 709   |
| 1996 RC              | 1996 09 30.14590 | 22 37 42.67 | -09 09 19.8 | 19.2 V | 709   | 1996 RC               | 1996 10 14.17277   | 22 32 13.06 | -09 58 06.7 | 19.8 V | F 709 |
| 1996 RC              | 1996 10 02.16331 | 22 36 35.95 | -09 18 29.6 | 19.7 V | I 709 | 1996 RC               | 1996 10 14.18110   | 22 32 12.97 | -09 58 07.5 | 19.9 V | 709   |
| 1996 RC              | 1996 10 02.19419 | 22 36 34.91 | -09 18 37.7 | 19.5 V | 709   | 1996 RL <sub>26</sub> | 1996 10 10.20690   | 22 51 47.24 | -00 00 23.1 | 20.0 V | 709   |
| 1996 RC              | 1996 10 02.19751 | 22 36 34.79 | -09 18 38.6 | 20.1 V | 709   | 1996 RL <sub>26</sub> | 1996 10 10.21500   | 22 51 47.04 | -00 00 26.3 | 19.8 V | 709   |
| 1996 RC              | 1996 10 02.20103 | 22 36 34.68 | -09 18 39.5 | 19.8 V | 709   | 1996 RL <sub>26</sub> | 1996 10 10.22148   | 22 51 46.88 | -00 00 28.6 | 20.0 V | 709   |
| 1996 RC              | 1996 10 02.20486 | 22 36 34.54 | -09 18 40.6 | 19.5 V | 709   | 1996 RL <sub>26</sub> | 1996 10 10.22689   | 22 51 46.71 | -00 00 30.9 | 19.9 V | I 709 |
| 1996 RC              | 1996 10 02.20889 | 22 36 34.41 | -09 18 41.5 | 19.6 V | 709   | 1996 RL <sub>26</sub> | 1996 10 10.23377   | 22 51 46.64 | -00 00 34.4 | 19.9 V | I 709 |
| 1996 RC              | 1996 10 02.21499 | 22 36 34.21 | -09 18 43.1 | 19.4 V | 709   | 1996 RL <sub>26</sub> | 1996 10 10.24109   | 22 51 46.50 | -00 00 36.6 | 19.8 V | 709   |
| 1996 RC              | 1996 10 02.21833 | 22 36 34.10 | -09 18 44.0 | 19.5 V | 709   | 1996 TG <sub>1</sub>  | * 1996 10 06.10435 | 22 34 49.48 | -09 35 55.4 | 18.9 V | 709   |
| 1996 RC              | 1996 10 06.10435 | 22 34 43.73 | -09 34 22.6 | 19.3 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.10769   | 22 34 49.43 | -09 35 56.0 | 18.7 V | 709   |
| 1996 RC              | 1996 10 06.10769 | 22 34 43.68 | -09 34 23.3 | 19.3 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.11073   | 22 34 49.36 | -09 35 56.6 | 18.9 V | 709   |
| 1996 RC              | 1996 10 06.11073 | 22 34 43.59 | -09 34 23.7 | 19.5 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.11922   | 22 34 49.16 | -09 35 58.0 | 18.9 V | 709   |
| 1996 RC              | 1996 10 06.11922 | 22 34 43.37 | -09 34 26.0 | 19.4 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.12608   | 22 34 48.99 | -09 35 59.2 | 19.1 V | 709   |
| 1996 RC              | 1996 10 06.12608 | 22 34 43.17 | -09 34 27.3 | 19.4 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.13348   | 22 34 48.82 | -09 36 00.6 | 18.8 V | 709   |
| 1996 RC              | 1996 10 06.13348 | 22 34 42.96 | -09 34 29.0 | 19.3 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.14133   | 22 34 48.64 | -09 36 02.0 | 19.1 V | 709   |
| 1996 RC              | 1996 10 06.14133 | 22 34 42.77 | -09 34 30.8 | 19.2 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.14852   | 22 34 48.46 | -09 36 02.9 | 19.1 V | 709   |
| 1996 RC              | 1996 10 06.14852 | 22 34 42.54 | -09 34 32.3 | 19.6 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.15678   | 22 34 48.26 | -09 36 04.4 | 19.0 V | 709   |
| 1996 RC              | 1996 10 06.15678 | 22 34 42.33 | -09 34 34.2 | 19.5 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.16426   | 22 34 48.09 | -09 36 05.7 | 19.1 V | 709   |
| 1996 RC              | 1996 10 06.16426 | 22 34 42.12 | -09 34 35.7 | 19.8 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.17170   | 22 34 47.92 | -09 36 07.0 | 19.0 V | 709   |
| 1996 RC              | 1996 10 06.17170 | 22 34 41.93 | -09 34 37.4 | 19.6 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.17748   | 22 34 47.78 | -09 36 08.2 | 19.0 V | 709   |
| 1996 RC              | 1996 10 06.17748 | 22 34 41.77 | -09 34 38.8 | 19.7 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.18883   | 22 34 47.54 | -09 36 10.1 | 19.1 V | 709   |
| 1996 RC              | 1996 10 06.18883 | 22 34 41.51 | -09 34 41.1 | 19.3 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 06.19557   | 22 34 47.36 | -09 36 11.4 | 19.0 V | 709   |
| 1996 RC              | 1996 10 06.19557 | 22 34 41.26 | -09 34 43.0 | 19.3 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 07.15812   | 22 34 27.46 | -09 38 53.8 | 19.2 V | 709   |
| 1996 RC              | 1996 10 07.15812 | 22 34 17.82 | -09 38 09.1 | 19.7 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 07.16205   | 22 34 27.38 | -09 38 54.6 | 19.2 V | 709   |
| 1996 RC              | 1996 10 07.16205 | 22 34 17.68 | -09 38 09.8 | 19.7 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 07.16787   | 22 34 27.27 | -09 38 55.6 | 18.9 V | 709   |
| 1996 RC              | 1996 10 07.16787 | 22 34 17.58 | -09 38 11.3 | 19.5 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 07.17468   | 22 34 27.11 | -09 38 56.8 | 18.9 V | 709   |
| 1996 RC              | 1996 10 07.17468 | 22 34 17.42 | -09 38 12.5 | 19.9 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 07.18906   | 22 34 26.81 | -09 38 59.0 | 19.1 V | 709   |
| 1996 RC              | 1996 10 07.18906 | 22 34 17.02 | -09 38 15.6 | 19.7 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 07.20323   | 22 34 26.48 | -09 39 01.1 | 19.0 V | 709   |
| 1996 RC              | 1996 10 07.20323 | 22 34 16.67 | -09 38 18.7 | 19.9 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 08.17558   | 22 34 07.86 | -09 41 34.4 | 18.4 V | I 709 |
| 1996 RC              | 1996 10 08.17558 | 22 33 54.56 | -09 41 36.1 | 19.0 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 08.17992   | 22 34 07.76 | -09 41 34.8 | 18.4 V | I 709 |
| 1996 RC              | 1996 10 08.17992 | 22 33 54.41 | -09 41 37.3 | 19.0 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 08.18582   | 22 34 07.68 | -09 41 36.1 | 18.4 V | 709   |
| 1996 RC              | 1996 10 08.18582 | 22 33 54.30 | -09 41 38.2 | 18.9 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 08.19234   | 22 34 07.54 | -09 41 37.0 | 18.4 V | 709   |
| 1996 RC              | 1996 10 08.19234 | 22 33 54.15 | -09 41 39.5 | 18.9 V | F 709 | 1996 TG <sub>1</sub>  | 1996 10 08.19902   | 22 34 07.40 | -09 41 38.1 | 18.2 V | 709   |
| 1996 RC              | 1996 10 08.19902 | 22 33 53.99 | -09 41 41.0 | 19.2 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 08.20619   | 22 34 07.24 | -09 41 39.7 | 18.5 V | 709   |
| 1996 RC              | 1996 10 08.20619 | 22 33 53.76 | -09 41 42.3 | 18.8 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 09.20322   | 22 33 49.70 | -09 44 07.3 | 19.0 V | 709   |
| 1996 RC              | 1996 10 09.16267 | 22 33 33.64 | -09 44 47.0 | 19.3 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 09.20740   | 22 33 49.60 | -09 44 07.6 | 19.1 V | 709   |
| 1996 RC              | 1996 10 09.16784 | 22 33 33.52 | -09 44 48.0 | 19.7 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 09.21363   | 22 33 49.50 | -09 44 08.8 | 19.3 V | 709   |
| 1996 RC              | 1996 10 09.17264 | 22 33 33.39 | -09 44 48.7 | 19.4 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 09.22010   | 22 33 49.34 | -09 44 09.7 | 19.0 V | 709   |
| 1996 RC              | 1996 10 09.17888 | 22 33 33.26 | -09 44 50.6 | 19.4 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 10.26796   | 22 33 32.47 | -09 46 34.5 | 19.3 V | 709   |
| 1996 RC              | 1996 10 09.18455 | 22 33 33.14 | -09 44 50.9 | 19.3 V | F 709 | 1996 TG <sub>1</sub>  | 1996 10 10.27999   | 22 33 32.27 | -09 46 36.1 | 19.2 V | 709   |
| 1996 RC              | 1996 10 09.19258 | 22 33 32.94 | -09 44 52.4 | 19.1 V | 709   | 1996 TG <sub>1</sub>  | 1996 10 10.30471   | 22 33 31.86 | -09 46 39.3 | 19.1 V | 709   |

|                                                                             |                    |             |             |        |       |                      |                  |             |             |     |
|-----------------------------------------------------------------------------|--------------------|-------------|-------------|--------|-------|----------------------|------------------|-------------|-------------|-----|
| 1996 TG <sub>1</sub>                                                        | 1996 10 10.31437   | 22 33 31.70 | -09 46 40.3 | 19.4 V | 709   | 1987 PA              | 1996 10 14.19028 | 22 13 54.33 | +20 05 14.1 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 12.14338   | 22 33 07.04 | -09 50 25.4 | 19.4 V | 709   | 1987 PA              | 1996 10 14.20334 | 22 13 54.86 | +20 05 09.4 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 12.15681   | 22 33 06.87 | -09 50 27.2 | 19.5 V | 709   | 1988 JB <sub>1</sub> | 1996 10 11.44034 | 04 44 49.71 | -01 39 12.7 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 12.16865   | 22 33 06.68 | -09 50 28.5 | 19.1 V | 709   | 1988 JB <sub>1</sub> | 1996 10 11.45381 | 04 44 49.42 | -01 39 16.9 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 12.17476   | 22 33 06.61 | -09 50 29.1 | 19.5 V | 709   | 1988 JB <sub>1</sub> | 1996 10 13.41553 | 04 44 18.41 | -01 49 17.0 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 12.18240   | 22 33 06.50 | -09 50 29.7 | 19.5 V | 709   | 1988 JB <sub>1</sub> | 1996 10 13.42858 | 04 44 18.27 | -01 49 21.1 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 16.26245   | 22 32 30.29 | -09 56 46.6 | 19.4 V | 709   | 1988 VJ <sub>2</sub> | 1996 10 11.36110 | 02 32 50.82 | +15 56 49.2 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 16.26860   | 22 32 30.24 | -09 56 47.3 | 19.4 V | 709   | 1988 VJ <sub>2</sub> | 1996 10 11.36405 | 02 32 50.77 | +15 56 47.6 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 16.27531   | 22 32 30.20 | -09 56 47.6 | 19.6 V | 709   | 1988 VJ <sub>2</sub> | 1996 10 12.32354 | 02 32 37.59 | +15 49 38.7 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 16.28867   | 22 32 30.16 | -09 56 48.5 | 19.6 V | 709   | 1988 VJ <sub>2</sub> | 1996 10 12.32660 | 02 32 37.53 | +15 49 37.3 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 16.29256   | 22 32 30.09 | -09 56 48.8 | 19.4 V | 709   | 1989 RC              | 1996 10 11.18804 | 21 37 48.94 | -30 49 47.2 | 711 |
| 1996 TG <sub>1</sub>                                                        | 1996 10 16.29973   | 22 32 30.02 | -09 56 49.5 | 19.5 V | 709   | 1989 RC              | 1996 10 11.19541 | 21 37 51.17 | -30 49 39.0 | 711 |
| 1996 TO <sub>3</sub>                                                        | * 1996 10 08.11214 | 23 17 20.82 | +08 19 40.5 | 18.2 V | 709   | 1989 RC              | 1996 10 13.13758 | 21 47 41.48 | -30 13 25.7 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.11722   | 23 17 20.63 | +08 19 39.1 | 18.3 V | 709   | 1989 RC              | 1996 10 13.14502 | 21 47 43.72 | -30 13 17.3 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.12490   | 23 17 20.34 | +08 19 37.0 | 18.2 V | 709   | 1989 RS <sub>1</sub> | 1996 10 11.27414 | 00 13 06.38 | -12 30 27.6 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.13258   | 23 17 20.04 | +08 19 35.0 | 18.1 V | 709   | 1989 RS <sub>1</sub> | 1996 10 11.27736 | 00 13 06.88 | -12 30 28.9 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.13955   | 23 17 19.78 | +08 19 33.1 | 18.1 V | 709   | 1989 RS <sub>1</sub> | 1996 10 13.19407 | 00 18 29.54 | -12 42 58.2 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.14716   | 23 17 19.49 | +08 19 31.1 | 18.1 V | 709   | 1989 RS <sub>1</sub> | 1996 10 13.19729 | 00 18 29.99 | -12 42 59.1 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.15406   | 23 17 19.22 | +08 19 29.4 | 18.2 V | I 709 | 1989 UQ              | 1996 10 11.35305 | 02 10 48.49 | +09 29 09.8 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 08.16116   | 23 17 18.95 | +08 19 27.3 | 18.1 V | 709   | 1989 UQ              | 1996 10 11.35651 | 02 10 47.56 | +09 29 03.3 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 09.09391   | 23 16 45.51 | +08 15 15.5 | 18.1 V | 709   | 1989 UQ              | 1996 10 13.27668 | 02 02 39.88 | +08 28 42.3 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 09.10040   | 23 16 45.26 | +08 15 13.7 | 18.0 V | 709   | 1989 UQ              | 1996 10 13.28017 | 02 02 38.91 | +08 28 35.6 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 09.10519   | 23 16 45.08 | +08 15 12.4 | 18.2 V | 709   | 1991 DG              | 1996 10 12.12515 | 19 46 04.96 | -15 39 57.6 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 09.10894   | 23 16 44.94 | +08 15 11.4 | 18.0 V | 709   | 1991 DG              | 1996 10 12.13352 | 19 46 06.86 | -15 40 01.1 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 09.11532   | 23 16 44.70 | +08 15 09.8 | 18.1 V | I 709 | 1991 VK              | 1996 10 11.28086 | 00 20 16.21 | +22 43 33.8 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 09.11811   | 23 16 44.61 | +08 15 09.1 | 18.1 V | 709   | 1991 VK              | 1996 10 11.28426 | 00 20 15.75 | +22 43 34.2 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 10.10848   | 23 16 10.12 | +08 10 42.0 | 18.2 V | 709   | 1991 VK              | 1996 10 13.20063 | 00 16 05.23 | +22 46 25.7 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 10.11343   | 23 16 09.93 | +08 10 40.6 | 18.2 V | 709   | 1991 VK              | 1996 10 13.20404 | 00 16 04.75 | +22 46 25.9 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 10.11920   | 23 16 09.75 | +08 10 39.4 | 17.9 V | 709   | 1992 KD              | 1996 10 12.26454 | 23 04 30.56 | +34 17 28.8 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 10.12618   | 23 16 09.49 | +08 10 37.5 | 18.2 V | 709   | 1992 KD              | 1996 10 12.27313 | 23 04 30.31 | +34 17 20.0 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 10.13106   | 23 16 09.33 | +08 10 36.1 | 18.1 V | 709   | 1992 OF              | 1996 10 13.40095 | 04 17 12.82 | +18 21 22.3 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 12.08720   | 23 15 04.68 | +08 01 53.3 | 18.3 V | 709   | 1992 OF              | 1996 10 13.40593 | 04 17 12.74 | +18 21 22.7 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 12.09389   | 23 15 04.46 | +08 01 51.4 | 18.3 V | 709   | 1992 OF              | 1996 10 14.42473 | 04 16 59.20 | +18 22 41.9 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 12.10447   | 23 15 04.11 | +08 01 48.5 | 18.3 V | 709   | 1992 OF              | 1996 10 14.42860 | 04 16 59.14 | +18 22 42.2 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 12.11193   | 23 15 03.86 | +08 01 46.6 | 18.4 V | 709   | 1992 TC              | 1996 10 12.47033 | 06 51 44.77 | +11 31 10.9 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 12.12302   | 23 15 03.49 | +08 01 43.7 | 18.4 V | 709   | 1992 TC              | 1996 10 12.48231 | 06 51 46.32 | +11 31 14.6 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 13.14161   | 23 14 31.63 | +07 57 14.6 | 18.5 V | 709   | 1992 TC              | 1996 10 13.48697 | 06 53 53.20 | +11 36 11.7 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 13.14829   | 23 14 31.42 | +07 57 12.9 | 18.4 V | 709   | 1992 TC              | 1996 10 13.50022 | 06 53 54.73 | +11 36 15.8 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 13.15728   | 23 14 31.14 | +07 57 10.5 | 18.5 V | 709   | 1993 VA              | 1996 10 14.11905 | 20 27 12.58 | -25 25 28.3 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 13.16597   | 23 14 30.85 | +07 57 08.3 | 18.5 V | 709   | 1993 VA              | 1996 10 14.13218 | 20 27 13.06 | -25 25 27.7 | 711 |
| 1996 TO <sub>3</sub>                                                        | 1996 10 13.17558   | 23 14 30.55 | +07 57 05.8 | 18.4 V | 709   | 1993 VJ <sub>5</sub> | 1996 10 12.07044 | 18 56 07.92 | -24 19 14.7 | 711 |
| <b>711 McDonald Observatory</b>                                             |                    |             |             |        |       | 1993 VJ <sub>5</sub> | 1996 10 12.08348 | 18 56 08.75 | -24 19 14.8 | 711 |
| A. L. Whipple, McDonald Observatory, University of Texas, Austin, TX 78712, |                    |             |             |        |       | 1993 VJ <sub>5</sub> | 1996 10 13.08082 | 18 57 12.94 | -24 18 12.1 | 711 |
| U.S.A. [alw@astro.as.utexas.edu]                                            |                    |             |             |        |       | 1993 VJ <sub>5</sub> | 1996 10 13.09410 | 18 57 13.76 | -24 18 11.9 | 711 |
| 0.76-m telescope with Prime Focus Corrector + CCD                           |                    |             |             |        |       | 1994 AE <sub>2</sub> | 1996 10 12.34123 | 03 35 06.81 | +07 36 12.3 | 711 |
| GSC 1.1                                                                     |                    |             |             |        |       | 1994 AE <sub>2</sub> | 1996 10 12.35448 | 03 35 06.29 | +07 36 09.4 | 711 |
| 1984 UX                                                                     | 1996 10 11.31485   | 00 49 55.50 | +07 14 02.2 |        | 711   | 1994 AE <sub>2</sub> | 1996 10 13.30197 | 03 34 32.38 | +07 32 43.6 | 711 |
| 1984 UX                                                                     | 1996 10 11.31764   | 00 49 55.41 | +07 14 03.0 |        | 711   | 1994 AE <sub>2</sub> | 1996 10 13.31504 | 03 34 31.84 | +07 32 40.6 | 711 |
| 1984 UX                                                                     | 1996 10 13.20710   | 00 48 13.24 | +07 19 29.1 |        | 711   | 1994 TF <sub>2</sub> | 1996 10 13.32374 | 01 39 19.18 | -40 45 46.8 | 711 |
| 1984 UX                                                                     | 1996 10 13.20980   | 00 48 13.08 | +07 19 29.6 |        | 711   | 1994 TF <sub>2</sub> | 1996 10 13.33217 | 01 39 17.86 | -40 46 26.5 | 711 |
| 1987 PA                                                                     | 1996 10 12.23888   | 22 12 36.56 | +20 16 44.3 |        | 711   | 1996 PA              | 1996 10 12.28153 | 23 14 59.60 | -35 02 28.6 | 711 |
| 1987 PA                                                                     | 1996 10 12.25215   | 22 12 37.03 | +20 16 39.6 |        | 711   | 1996 PA              | 1996 10 12.28609 | 23 14 59.74 | -35 02 27.8 | 711 |

|                      |                  |             |             |     |        |                  |             |             |     |
|----------------------|------------------|-------------|-------------|-----|--------|------------------|-------------|-------------|-----|
| 1996 PA              | 1996 10 14.21208 | 23 16 12.20 | -34 56 12.5 | 711 | (3858) | 1996 10 13.43765 | 04 48 41.01 | +33 20 34.5 | 711 |
| 1996 PA              | 1996 10 14.21636 | 23 16 12.35 | -34 56 11.5 | 711 | (3858) | 1996 10 13.44295 | 04 48 40.96 | +33 20 36.3 | 711 |
| 1996 PC <sub>1</sub> | 1996 10 11.07434 | 15 24 42.90 | +71 44 50.7 | 711 | (3908) | 1996 10 11.17843 | 21 35 33.69 | +13 33 37.3 | 711 |
| 1996 PC <sub>1</sub> | 1996 10 11.08773 | 15 24 40.16 | +71 44 49.5 | 711 | (3908) | 1996 10 11.18113 | 21 35 34.35 | +13 33 46.3 | 711 |
| 1996 PC <sub>1</sub> | 1996 10 12.09903 | 15 21 23.05 | +71 44 55.6 | 711 | (3908) | 1996 10 13.12895 | 21 45 31.34 | +15 28 01.2 | 711 |
| 1996 PC <sub>1</sub> | 1996 10 12.11257 | 15 21 20.20 | +71 44 52.0 | 711 | (3908) | 1996 10 13.13169 | 21 45 32.14 | +15 28 11.2 | 711 |
| 1996 RG <sub>3</sub> | 1996 10 11.21706 | 22 05 53.58 | -16 06 51.6 | 711 | (4179) | 1996 10 11.06240 | 19 01 31.01 | -24 02 20.1 | 711 |
| 1996 RG <sub>3</sub> | 1996 10 11.22503 | 22 05 52.64 | -16 06 59.1 | 711 | (4179) | 1996 10 11.06507 | 19 01 31.00 | -24 02 20.5 | 711 |
| 1996 RG <sub>3</sub> | 1996 10 13.16284 | 22 02 21.23 | -16 36 56.0 | 711 | (4179) | 1996 10 14.05799 | 19 01 59.40 | -24 07 52.4 | 711 |
| 1996 RG <sub>3</sub> | 1996 10 13.17141 | 22 02 20.26 | -16 37 03.8 | 711 | (4179) | 1996 10 14.06059 | 19 01 59.38 | -24 07 52.5 | 711 |
| 1996 SK              | 1996 10 12.21765 | 22 01 53.32 | -10 31 00.3 | 711 | (4197) | 1996 10 11.34721 | 02 03 27.29 | +27 13 07.3 | 711 |
| 1996 SK              | 1996 10 12.22743 | 22 01 52.07 | -10 31 08.0 | 711 | (4197) | 1996 10 11.34993 | 02 03 26.93 | +27 13 21.2 | 711 |
| 1996 TO <sub>5</sub> | 1996 10 12.17385 | 20 54 30.90 | -19 25 18.6 | 711 | (4197) | 1996 10 12.31694 | 02 01 24.70 | +28 40 21.4 | 711 |
| 1996 TO <sub>5</sub> | 1996 10 12.18695 | 20 54 31.53 | -19 25 33.4 | 711 | (4197) | 1996 10 12.31962 | 02 01 24.29 | +28 40 36.6 | 711 |
| 1996 TO <sub>5</sub> | 1996 10 13.10731 | 20 55 20.02 | -19 45 59.7 | 711 | (4450) | 1996 10 13.36137 | 04 10 52.01 | +30 04 06.9 | 711 |
| 1996 TO <sub>5</sub> | 1996 10 13.12068 | 20 55 20.74 | -19 46 17.2 | 711 | (4450) | 1996 10 13.37450 | 04 10 50.96 | +30 04 07.3 | 711 |
| 1996 TP <sub>6</sub> | 1996 10 14.26713 | 01 44 51.10 | +02 29 58.7 | 711 | (4450) | 1996 10 14.40248 | 04 09 36.29 | +30 04 26.4 | 711 |
| 1996 TP <sub>6</sub> | 1996 10 14.28038 | 01 44 49.48 | +02 30 04.6 | 711 | (4450) | 1996 10 14.41575 | 04 09 35.34 | +30 04 26.9 | 711 |
| 1996 TF <sub>9</sub> | 1996 10 14.23958 | 01 50 04.27 | +02 26 59.0 | 711 | (4947) | 1996 10 13.17793 | 22 26 03.52 | +23 40 20.3 | 711 |
| 1996 TF <sub>9</sub> | 1996 10 14.25380 | 01 50 03.20 | +02 26 58.1 | 711 | (4947) | 1996 10 13.18206 | 22 26 03.91 | +23 40 04.6 | 711 |
| 1996 TG <sub>9</sub> | 1996 10 14.34776 | 02 53 39.59 | +17 46 53.2 | 711 | (5261) | 1996 10 12.43472 | 05 46 10.10 | +35 03 53.8 | 711 |
| 1996 TG <sub>9</sub> | 1996 10 14.36098 | 02 53 39.03 | +17 46 50.8 | 711 | (5279) | 1996 10 14.07948 | 20 01 44.92 | -33 26 15.5 | 711 |
| 1996 TQ <sub>9</sub> | 1996 10 14.22361 | 01 34 47.56 | +02 09 31.2 | 711 | (5279) | 1996 10 14.08281 | 20 01 45.33 | -33 26 14.3 | 711 |
| 1996 TQ <sub>9</sub> | 1996 10 14.22967 | 01 34 46.93 | +02 09 33.4 | 711 | (6490) | 1996 10 12.44524 | 06 27 48.28 | +34 16 58.3 | 711 |
| (887)                | 1996 10 11.13023 | 20 17 45.70 | -25 03 17.9 | 711 | (6490) | 1996 10 12.45672 | 06 27 48.54 | +34 16 58.3 | 711 |
| (887)                | 1996 10 11.14325 | 20 17 45.82 | -25 03 17.1 | 711 | (6490) | 1996 10 14.48534 | 06 28 20.36 | +34 17 08.8 | 711 |
| (887)                | 1996 10 14.09263 | 20 18 22.82 | -25 00 22.7 | 711 | (6490) | 1996 10 14.49660 | 06 28 20.47 | +34 17 09.0 | 711 |
| (887)                | 1996 10 14.10569 | 20 18 23.00 | -25 00 21.9 | 711 | (6523) | 1996 10 12.36850 | 03 34 58.77 | +49 40 49.4 | 711 |
| (1863)               | 1996 10 13.21772 | 02 37 30.05 | +37 45 45.6 | 711 | (6523) | 1996 10 12.38182 | 03 34 58.01 | +49 40 54.5 | 711 |
| (1863)               | 1996 10 13.23101 | 02 37 28.82 | +37 45 45.9 | 711 | (6523) | 1996 10 13.24464 | 03 34 02.81 | +49 47 05.1 | 711 |
| (2212)               | 1996 10 13.46034 | 05 39 21.19 | +32 44 14.4 | 711 | (6523) | 1996 10 13.25774 | 03 34 02.10 | +49 47 10.3 | 711 |
| (2212)               | 1996 10 13.47372 | 05 39 20.90 | +32 44 17.4 | 711 | (6564) | 1996 10 12.39396 | 03 58 13.90 | -15 52 25.1 | 711 |
| (2212)               | 1996 10 14.45997 | 05 39 05.73 | +32 47 43.8 | 711 | (6564) | 1996 10 12.40022 | 03 58 13.75 | -15 52 38.3 | 711 |
| (2212)               | 1996 10 14.47297 | 05 39 05.36 | +32 47 46.6 | 711 | (6564) | 1996 10 13.33919 | 03 57 53.15 | -16 26 19.9 | 711 |
| (2703)               | 1996 10 11.23110 | 22 37 16.21 | -17 19 43.8 | 711 | (6564) | 1996 10 13.34449 | 03 57 53.02 | -16 26 31.4 | 711 |
| (2703)               | 1996 10 11.23512 | 22 37 16.12 | -17 19 43.2 | 711 | (6564) | 1996 10 13.34946 | 03 57 52.87 | -16 26 41.9 | 711 |
| (2703)               | 1996 10 13.18622 | 22 36 40.50 | -17 13 49.3 | 711 |        |                  |             |             |     |
| (2703)               | 1996 10 13.19036 | 22 36 40.41 | -17 13 48.5 | 711 |        |                  |             |             |     |
| (3362)               | 1996 10 12.40775 | 04 12 15.17 | -02 01 58.8 | 711 |        |                  |             |             |     |
| (3362)               | 1996 10 12.41646 | 04 12 14.59 | -02 02 11.3 | 711 |        |                  |             |             |     |
| (3362)               | 1996 10 13.38590 | 04 11 09.29 | -02 26 39.0 | 711 |        |                  |             |             |     |
| (3362)               | 1996 10 13.39454 | 04 11 08.54 | -02 26 54.4 | 711 |        |                  |             |             |     |
| (3688)               | 1996 10 11.29357 | 00 33 13.70 | +03 00 53.9 | 711 |        |                  |             |             |     |
| (3688)               | 1996 10 11.30674 | 00 33 13.11 | +03 00 49.9 | 711 |        |                  |             |             |     |
| (3688)               | 1996 10 12.29503 | 00 32 31.09 | +02 56 41.3 | 711 |        |                  |             |             |     |
| (3688)               | 1996 10 12.30819 | 00 32 30.51 | +02 56 38.3 | 711 |        |                  |             |             |     |
| (3753)               | 1996 10 13.44914 | 05 13 25.43 | -39 26 59.7 | 711 |        |                  |             |             |     |
| (3753)               | 1996 10 13.45215 | 05 13 25.77 | -39 27 09.1 | 711 |        |                  |             |             |     |
| (3753)               | 1996 10 14.43292 | 05 15 29.17 | -40 21 06.6 | 711 |        |                  |             |             |     |
| (3753)               | 1996 10 14.43742 | 05 15 29.69 | -40 21 21.5 | 711 |        |                  |             |             |     |
| (3858)               | 1996 10 11.42091 | 04 48 51.15 | +33 08 38.1 | 711 |        |                  |             |             |     |
| (3858)               | 1996 10 11.42478 | 04 48 51.13 | +33 08 39.5 | 711 |        |                  |             |             |     |

**721 Lime Creek**

R. Linderholm, R2 Box 79, Cambridge, NE 69022, U.S.A.

[lindh@csb.cambridge.ne.us]

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

GSC

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RS <sub>5</sub>  | 1996 10 12.27183   | 01 36 42.30 | +14 19 08.6 | 15.1 V | 721 |
| 1996 RS <sub>5</sub>  | 1996 10 12.32194   | 01 36 39.04 | +14 19 14.8 |        | 721 |
| 1996 RS <sub>5</sub>  | 1996 10 12.34368   | 01 36 37.60 | +14 19 16.7 |        | 721 |
| 1996 TE <sub>7</sub>  | * 1996 10 08.17326 | 01 01 10.23 | +05 02 00.3 | 19.1 V | 721 |
| 1996 TE <sub>7</sub>  | 1996 10 08.34104   | 01 01 02.03 | +05 00 26.0 |        | 721 |
| 1996 TE <sub>7</sub>  | 1996 10 09.17410   | 01 00 23.91 | +04 52 41.3 | 19.1 V | 721 |
| 1996 TE <sub>7</sub>  | 1996 10 09.27183   | 01 00 19.13 | +04 51 47.9 |        | 721 |
| 1996 TB <sub>11</sub> | * 1996 10 14.20549 | 03 33 33.31 | +14 55 53.5 | 17.6 V | 721 |
| 1996 TB <sub>11</sub> | 1996 10 14.28155   | 03 33 30.99 | +14 55 41.9 |        | 721 |
| 1996 TB <sub>11</sub> | 1996 10 16.16595   | 03 32 30.69 | +14 50 26.9 | 17.8 V | 721 |
| 1996 TB <sub>11</sub> | 1996 10 16.23690   | 03 32 28.29 | +14 50 14.7 |        | 721 |

# M.P.C. 28033

1996 OCT. 26

|                       |                    |             |             |        |     |
|-----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TC <sub>11</sub> | * 1996 10 14.22297 | 03 35 38.44 | +14 53 20.3 | 18.0 V | 721 |
| 1996 TC <sub>11</sub> | 1996 10 14.29764   | 03 35 35.97 | +14 53 08.9 |        | 721 |
| 1996 TC <sub>11</sub> | 1996 10 16.24906   | 03 34 30.19 | +14 48 19.9 | 18.3 V | 721 |
| 1996 TC <sub>11</sub> | 1996 10 16.28876   | 03 34 28.77 | +14 48 13.6 |        | 721 |
| 1996 TD <sub>11</sub> | * 1996 10 14.23307 | 03 36 43.55 | +15 00 46.5 | 17.7 V | 721 |
| 1996 TD <sub>11</sub> | 1996 10 14.30924   | 03 36 41.71 | +15 00 36.2 |        | 721 |
| 1996 TD <sub>11</sub> | 1996 10 16.21272   | 03 35 56.37 | +14 55 46.8 | 17.2 V | 721 |
| 1996 TD <sub>11</sub> | 1996 10 16.26020   | 03 35 55.07 | +14 55 39.7 |        | 721 |
| (3282)                | 1996 10 14.24733   | 03 39 32.77 | +14 55 35.3 | 16.5 V | 721 |
| (3282)                | 1996 10 14.32735   | 03 39 30.13 | +14 55 14.9 |        | 721 |

## 735 George Observatory, Needville

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U.S.A. [bdillon@houston.geoquest.slb.com]

Observers W. G. Dillon, R. Pepper, S. Miller, J. Miller, K. Rivich

Measurers D. Borgman, K. Rivich, W. G. Dillon, R. Pepper

0.46-m reflector + CCD

GSC

|                      |                    |             |             |        |       |
|----------------------|--------------------|-------------|-------------|--------|-------|
| 1996 PL <sub>1</sub> | 1996 09 15.17222   | 19 55 02.33 | -22 15 02.6 | 19.3 R | 735   |
| 1996 PL <sub>1</sub> | 1996 09 15.18611   | 19 55 02.76 | -22 15 00.5 | I      | 735   |
| 1996 PL <sub>1</sub> | 1996 09 15.20000   | 19 55 03.02 | -22 14 58.4 | I      | 735   |
| 1996 TO <sub>1</sub> | * 1996 10 07.05556 | 20 12 40.92 | -21 18 16.5 | 17.2 R | 735   |
| 1996 TO <sub>1</sub> | 1996 10 07.10903   | 20 12 44.15 | -21 17 58.4 | 17.6 R | 735   |
| 1996 TO <sub>1</sub> | 1996 10 07.14097   | 20 12 45.92 | -21 17 48.4 | 17.3 R | 735   |
| 1996 TO <sub>1</sub> | 1996 10 08.09722   | 20 13 43.42 | -21 12 36.5 |        | 735   |
| 1996 TO <sub>1</sub> | 1996 10 08.12501   | 20 13 44.87 | -21 12 27.8 | I      | 735   |
| 1996 TO <sub>1</sub> | 1996 10 08.13611   | 20 13 45.72 | -21 12 24.1 | 18.6 R | 735   |
| 1996 TO <sub>1</sub> | 1996 10 10.10694   | 20 15 48.74 | -21 01 28.6 |        | 735   |
| 1996 TO <sub>1</sub> | 1996 10 10.12641   | 20 15 49.92 | -21 01 20.9 | I      | 735   |
| 1996 TO <sub>1</sub> | 1996 10 10.14514   | 20 15 51.11 | -21 01 15.8 |        | 735   |
| 1996 TO <sub>1</sub> | 1996 10 14.04931   | 20 20 12.06 | -20 38 32.7 | 19.6 R | F 735 |
| 1996 TO <sub>1</sub> | 1996 10 14.06493   | 20 20 13.55 | -20 38 28.8 | 19.6 R | F 735 |
| 1996 TC <sub>9</sub> | * 1996 10 13.21528 | 00 39 51.73 | +02 59 16.4 | 19.0 R | 735   |
| 1996 TC <sub>9</sub> | 1996 10 13.32222   | 00 39 46.20 | +02 59 04.3 | 18.6 R | 735   |
| 1996 TC <sub>9</sub> | 1996 10 14.10972   | 00 39 07.67 | +02 57 42.9 |        | 735   |
| 1996 TC <sub>9</sub> | 1996 10 14.12361   | 00 39 06.94 | +02 57 41.7 | 18.6 R | 735   |
| 1996 TC <sub>9</sub> | 1996 10 14.14167   | 00 39 06.01 | +02 57 40.1 | 18.9 R | 735   |
| 1996 TC <sub>9</sub> | 1996 10 19.22705   | 00 35 03.19 | +02 49 53.3 | 19.5 R | F 735 |
| 1996 TC <sub>9</sub> | 1996 10 19.24372   | 00 35 02.30 | +02 49 51.9 | 19.1 R | 735   |
| 1996 TC <sub>9</sub> | 1996 10 19.25552   | 00 35 01.85 | +02 49 50.8 | 19.0 R | 735   |

## 763 King City

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0.35-m reflector + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1996 QQ <sub>1</sub> | 1996 10 05.05233 | 23 59 36.27 | -03 44 05.9 | 17.2 R | 763 |
| 1996 QQ <sub>1</sub> | 1996 10 05.09125 | 23 59 34.62 | -03 44 15.9 | 16.9 R | 763 |
| 1996 QQ <sub>1</sub> | 1996 10 06.08507 | 23 58 54.50 | -03 48 26.4 | 17.2 R | 763 |
| 1996 QQ <sub>1</sub> | 1996 10 06.11935 | 23 58 53.07 | -03 48 35.0 | 16.9 R | 763 |
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| 1996 QQ <sub>1</sub> | 1996 10 07.15020 | 23 58 12.09 | -03 52 47.1 | 16.9 R | 763 |

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| 1996 QQ <sub>1</sub> | 1996 10 07.15751   | 23 58 11.80 | -03 52 49.1 | 17.1 R | 763 |
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| 1996 TS <sub>6</sub> | 1996 10 07.15509   | 23 58 17.06 | -03 50 20.1 | 19.0 R | 763 |
| 1996 TS <sub>6</sub> | 1996 10 07.15993   | 23 58 16.91 | -03 50 21.2 | 18.3 R | 763 |
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| 1996 TS <sub>6</sub> | 1996 10 15.08598   | 23 53 46.97 | -04 30 23.4 | 19.6 R | 763 |
| 1996 TS <sub>6</sub> | 1996 10 15.14968   | 23 53 44.88 | -04 30 40.2 | 19.3 R | 763 |
| 1996 TS <sub>6</sub> | 1996 10 15.19206   | 23 53 43.51 | -04 30 50.7 | 19.2 R | 763 |
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| 3365 T-2             | 1996 10 06.23928   | 23 59 39.15 | -02 58 54.2 | 18.6 R | 763 |
| 3365 T-2             | 1996 10 07.10458   | 23 59 02.72 | -03 02 05.4 | 18.6 R | 763 |
| 3365 T-2             | 1996 10 07.11829   | 23 59 02.11 | -03 02 08.0 | 18.7 R | 763 |
| 3365 T-2             | 1996 10 07.12704   | 23 59 01.74 | -03 02 10.0 | 18.3 R | 763 |

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Measurer R. E. McCrosky

1.5-m reflector + CCD

GSC

|         |                  |             |             |  |     |
|---------|------------------|-------------|-------------|--|-----|
| 1967 KB | 1996 10 10.15172 | 00 00 25.82 | +00 51 07.8 |  | 801 |
| 1967 KB | 1996 10 10.17047 | 00 00 24.86 | +00 51 05.4 |  | 801 |
| 1967 KB | 1996 10 15.13413 | 23 56 54.24 | +00 35 57.8 |  | 801 |

|                       |                  |             |             |       |                      |                  |             |             |       |
|-----------------------|------------------|-------------|-------------|-------|----------------------|------------------|-------------|-------------|-------|
| 1967 KB               | 1996 10 15.15490 | 23 56 53.42 | +00 35 54.0 | 801   | 1985 VD <sub>1</sub> | 1996 10 10.22993 | 01 44 03.96 | +12 33 44.4 | I 801 |
| 1975 SF <sub>1</sub>  | 1996 10 15.24725 | 02 25 35.32 | +15 09 54.6 | 801   | 1986 EQ <sub>5</sub> | 1996 10 10.18138 | 00 33 09.59 | +00 47 46.2 | 801   |
| 1976 UB <sub>1</sub>  | 1996 10 10.19796 | 00 34 19.70 | -08 51 23.6 | 801   | 1986 EQ <sub>5</sub> | 1996 10 10.19506 | 00 33 08.82 | +00 47 45.3 | 801   |
| 1976 UB <sub>1</sub>  | 1996 10 15.17978 | 00 30 35.79 | -09 22 24.5 | 801   | 1986 EQ <sub>5</sub> | 1996 10 12.17278 | 00 31 19.33 | +00 44 16.2 | 801   |
| 1976 UB <sub>1</sub>  | 1996 10 15.19536 | 00 30 35.08 | -09 22 32.0 | 801   | 1986 EQ <sub>5</sub> | 1996 10 12.19007 | 00 31 18.32 | +00 44 17.1 | 801   |
| 1977 FS               | 1996 10 13.03152 | 20 57 55.06 | -11 25 02.9 | F 801 | 1986 QN <sub>3</sub> | 1996 10 10.09834 | 23 10 42.85 | -11 44 52.4 | 801   |
| 1977 FS               | 1996 10 13.05831 | 20 57 55.27 | -11 24 58.2 | F 801 | 1986 QN <sub>3</sub> | 1996 10 10.12318 | 23 10 42.24 | -11 44 51.1 | 801   |
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| 1977 QQ <sub>2</sub>  | 1996 10 10.06301 | 22 55 43.70 | -02 43 40.9 | 801   | 1986 QN <sub>3</sub> | 1996 10 12.14985 | 23 09 55.66 | -11 44 21.8 | 801   |
| 1977 QQ <sub>2</sub>  | 1996 10 10.09554 | 22 55 43.15 | -02 43 46.7 | 801   | 1986 UY              | 1996 10 10.21512 | 01 50 32.76 | +17 15 29.0 | 801   |
| 1979 QX <sub>3</sub>  | 1996 10 11.98703 | 20 38 24.75 | -17 56 31.1 | I 801 | 1986 UY              | 1996 10 10.23358 | 01 50 31.66 | +17 15 29.0 | 801   |
| 1979 QX <sub>3</sub>  | 1996 10 12.01676 | 20 38 25.53 | -17 56 20.5 | 801   | 1987 BO <sub>1</sub> | 1996 10 12.99802 | 19 51 40.74 | +01 21 12.0 | 801   |
| 1979 QX <sub>3</sub>  | 1996 10 15.03299 | 20 40 09.02 | -17 40 26.8 | 801   | 1987 BO <sub>1</sub> | 1996 10 13.02078 | 19 51 41.63 | +01 21 11.1 | 801   |
| 1979 QX <sub>3</sub>  | 1996 10 15.05588 | 20 40 09.80 | -17 40 18.9 | 801   | 1987 BO <sub>1</sub> | 1996 10 15.00144 | 19 53 01.97 | +01 19 14.8 | 801   |
| 1981 EV <sub>8</sub>  | 1996 10 10.08028 | 23 05 59.02 | +00 09 27.9 | 801   | 1987 BO <sub>1</sub> | 1996 10 15.01938 | 19 53 02.71 | +01 19 14.7 | I 801 |
| 1981 EV <sub>8</sub>  | 1996 10 12.10613 | 23 05 41.78 | -00 05 59.4 | 801   | 1988 AA <sub>5</sub> | 1996 10 15.14113 | 00 09 37.84 | +01 14 59.0 | 801   |
| 1981 EV <sub>8</sub>  | 1996 10 12.13131 | 23 05 41.58 | -00 06 11.3 | 801   | 1988 VH              | 1996 10 10.14420 | 23 44 30.82 | +17 46 38.4 | 801   |
| 1981 ED <sub>37</sub> | 1996 10 15.06637 | 22 26 03.32 | -13 55 28.4 | 801   | 1988 VH              | 1996 10 10.16006 | 23 44 30.26 | +17 46 27.1 | 801   |
| 1981 ED <sub>37</sub> | 1996 10 15.09725 | 22 26 03.81 | -13 55 17.4 | 801   | 1988 VH              | 1996 10 12.13828 | 23 43 27.50 | +17 23 21.8 | 801   |
| 1981 EZ <sub>47</sub> | 1996 10 12.14289 | 23 49 30.00 | -00 45 08.7 | 801   | 1988 VH              | 1996 10 12.15266 | 23 43 27.08 | +17 23 10.4 | 801   |
| 1981 EZ <sub>47</sub> | 1996 10 12.16260 | 23 49 29.13 | -00 45 12.1 | 801   | 1988 VP              | 1994 04 15.18249 | 11 40 40.45 | +20 54 28.0 | r 801 |
| 1981 EZ <sub>47</sub> | 1996 10 15.11580 | 23 47 32.98 | -00 53 29.1 | 801   | 1988 VP              | 1996 10 15.29468 | 03 11 56.83 | +10 35 44.0 | 801   |
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| 1981 RF               | 1996 10 13.05486 | 21 17 10.56 | -19 32 19.2 | 801   | 1988 VJ <sub>2</sub> | 1996 10 12.27043 | 02 32 38.23 | +15 49 59.4 | 801   |
| 1981 RF               | 1996 10 16.05432 | 21 19 34.99 | -19 21 09.3 | 801   | 1988 VJ <sub>2</sub> | 1996 10 12.29505 | 02 32 37.77 | +15 49 48.1 | 801   |
| 1982 TF <sub>2</sub>  | 1996 10 15.03998 | 20 39 15.21 | -16 50 13.9 | 801   | 1988 VJ <sub>2</sub> | 1996 10 15.25476 | 02 31 47.04 | +15 26 29.6 | 801   |
| 1982 TF <sub>2</sub>  | 1996 10 15.98976 | 20 40 20.50 | -16 46 07.3 | 801   | 1988 VJ <sub>2</sub> | 1996 10 15.27981 | 02 31 46.53 | +15 26 16.7 | 801   |
| 1982 TF <sub>2</sub>  | 1996 10 16.00740 | 20 40 21.68 | -16 46 03.4 | 801   | 1989 BC              | 1996 10 15.24431 | 02 25 27.95 | -04 40 25.9 | 801   |
| 1983 BH               | 1996 10 12.28498 | 03 13 53.40 | +28 13 52.5 | 801   | 1989 BC              | 1996 10 15.26266 | 02 25 27.01 | -04 40 31.4 | 801   |
| 1983 BH               | 1996 10 12.31073 | 03 13 52.49 | +28 13 53.2 | 801   | 1989 OA              | 1996 09 15.06509 | 19 41 04.12 | -14 49 00.2 | 801   |
| 1983 BH               | 1996 10 15.29698 | 03 12 14.93 | +28 11 33.1 | 801   | 1989 OA              | 1996 10 13.00867 | 20 07 06.02 | -14 37 05.6 | 801   |
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| 1983 RX <sub>4</sub>  | 1996 10 10.04868 | 21 30 51.74 | -04 43 44.0 | 801   | 1989 TE              | 1996 10 15.10149 | 22 36 09.48 | -00 59 07.9 | 801   |
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| 1983 RX <sub>4</sub>  | 1996 10 12.03990 | 21 32 11.70 | -04 46 57.5 | 801   | 1989 TO              | 1996 10 10.07479 | 22 32 12.29 | +03 59 47.8 | 801   |
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| 1984 SH <sub>6</sub>  | 1996 10 12.28074 | 03 04 54.07 | +11 01 12.9 | 801   | 1989 TO              | 1996 10 12.10344 | 22 30 19.35 | +04 09 04.2 | 801   |
| 1984 SH <sub>6</sub>  | 1996 10 15.28929 | 03 03 03.60 | +10 47 46.7 | 801   | 1989 UP <sub>1</sub> | 1996 10 12.20556 | 01 26 42.72 | -04 41 57.3 | 801   |
| 1984 SH <sub>6</sub>  | 1996 10 15.30851 | 03 03 02.83 | +10 47 41.8 | 801   | 1989 UP <sub>1</sub> | 1996 10 12.22168 | 01 26 41.80 | -04 41 59.3 | 801   |
| 1985 TV               | 1996 10 10.15782 | 23 40 50.00 | -18 30 50.4 | 801   | 1989 VW              | 1996 10 15.12149 | 23 49 28.36 | -07 42 18.4 | 801   |
| 1985 TQ <sub>1</sub>  | 1996 10 10.06995 | 22 59 24.94 | -13 34 17.9 | 801   | 1989 VW              | 1996 10 15.14574 | 23 49 27.61 | -07 42 21.5 | 801   |
| 1985 TQ <sub>1</sub>  | 1996 10 10.09351 | 22 59 24.22 | -13 34 14.5 | 801   | 1989 YG              | 1996 10 12.28720 | 03 18 02.30 | +22 43 39.2 | 801   |
| 1985 TQ <sub>1</sub>  | 1996 10 12.09517 | 22 58 29.03 | -13 30 55.2 | p 801 | 1989 YG              | 1996 10 15.30362 | 03 16 21.49 | +22 53 07.3 | 801   |
| 1985 UW <sub>4</sub>  | 1996 10 12.27350 | 02 38 27.38 | +04 36 56.8 | 801   | 1989 YG              | 1996 10 15.32168 | 03 16 20.79 | +22 53 10.7 | 801   |
| 1985 UW <sub>4</sub>  | 1996 10 12.29000 | 02 38 26.68 | +04 36 53.3 | 801   | 1990 QO <sub>3</sub> | 1996 10 12.20834 | 01 30 25.29 | +18 13 15.4 | 801   |
| 1985 UW <sub>4</sub>  | 1996 10 15.25751 | 02 36 19.96 | +04 25 30.1 | 801   | 1990 QO <sub>3</sub> | 1996 10 12.22495 | 01 30 24.37 | +18 13 13.9 | 801   |
| 1985 UW <sub>4</sub>  | 1996 10 15.28163 | 02 36 18.89 | +04 25 24.6 | 801   | 1990 QZ <sub>4</sub> | 1996 10 15.31376 | 03 24 44.15 | -05 25 37.4 | 801   |
| 1985 VF               | 1996 10 15.13848 | 00 05 35.30 | -15 43 57.4 | 801   | 1990 QZ <sub>4</sub> | 1996 10 15.33508 | 03 24 43.47 | -05 25 46.0 | 801   |
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| 1985 VD <sub>1</sub>  | 1996 10 10.21314 | 01 44 04.76 | +12 33 48.0 | 801   | 1991 FE <sub>1</sub> | 1996 10 15.25336 | 02 12 19.42 | +20 01 10.1 | 801   |

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| 1991 PP <sub>11</sub> | 1996 10 10.18984 | 00 44 34.67 | +02 14 07.3 | 801 | 1993 VY <sub>1</sub>                                                                                                         | 1996 10 15.15299 | 23 52 33.14 | -05 03 31.5 | 801        |
| 1991 PP <sub>11</sub> | 1996 10 10.20414 | 00 44 34.04 | +02 13 59.1 | 801 | 1994 AH <sub>1</sub>                                                                                                         | 1996 10 10.18691 | 00 37 02.77 | +10 42 30.9 | 801        |
| 1991 RQ <sub>7</sub>  | 1996 10 15.05122 | 21 51 56.75 | -02 04 53.5 | 801 | 1994 AH <sub>1</sub>                                                                                                         | 1996 10 10.20087 | 00 37 01.98 | +10 42 24.9 | 801        |
| 1991 RQ <sub>7</sub>  | 1996 10 15.08801 | 21 51 57.37 | -02 04 51.3 | 801 | 1994 AH <sub>1</sub>                                                                                                         | 1996 10 15.18521 | 00 32 37.58 | +10 07 21.6 | 801        |
| 1991 TR <sub>1</sub>  | 1996 10 15.02381 | 20 06 58.27 | +05 32 08.5 | 801 | 1994 AH <sub>1</sub>                                                                                                         | 1996 10 15.20637 | 00 32 36.46 | +10 07 10.7 | 801        |
| 1991 TR <sub>1</sub>  | 1996 10 15.03600 | 20 06 59.30 | +05 32 03.2 | 801 | 1994 CX <sub>1</sub>                                                                                                         | 1996 10 12.27843 | 03 04 46.26 | +38 50 42.5 | 801        |
| 1991 VK               | 1996 10 10.15529 | 00 22 39.58 | +22 41 01.5 | 801 | 1994 CX <sub>1</sub>                                                                                                         | 1996 10 12.29704 | 03 04 45.35 | +38 50 46.8 | 801        |
| 1991 VK               | 1996 10 10.16650 | 00 22 38.08 | +22 41 03.2 | 801 | 1994 CX <sub>1</sub>                                                                                                         | 1996 10 15.28391 | 03 02 10.54 | +38 54 41.3 | 801        |
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| 1991 VK               | 1996 10 12.17486 | 00 18 20.41 | +22 45 02.3 | 801 | 1994 GZ                                                                                                                      | 1996 10 15.23432 | 02 10 48.63 | +05 02 21.4 | 801        |
| 1992 MB               | 1996 10 12.35243 | 03 34 50.75 | +14 42 58.2 | 801 | 1994 GZ                                                                                                                      | 1996 10 15.24961 | 02 10 47.90 | +05 02 11.9 | 801        |
| 1992 MB               | 1996 10 15.31775 | 03 33 14.18 | +14 25 45.6 | 801 | 1995 DP                                                                                                                      | 1996 10 10.17762 | 00 22 58.86 | +03 40 30.0 | 801        |
| 1992 PW <sub>1</sub>  | 1994 02 15.14096 | 06 54 26.42 | +20 54 56.7 | 801 | 1995 DP                                                                                                                      | 1996 10 10.19267 | 00 22 57.97 | +03 40 26.6 | 801        |
| 1992 PW <sub>1</sub>  | 1995 06 29.12351 | 16 38 01.23 | -19 30 05.4 | 801 | 1995 DP                                                                                                                      | 1996 10 12.16964 | 00 21 01.98 | +03 31 37.2 | 801        |
| 1992 PW <sub>1</sub>  | 1995 06 29.14142 | 16 38 00.38 | -19 30 03.9 | 801 | 1995 HN <sub>2</sub>                                                                                                         | 1996 10 12.33530 | 03 34 54.73 | +13 50 55.0 | 801        |
| 1992 PW <sub>1</sub>  | 1996 10 10.22005 | 01 59 08.12 | +10 31 30.2 | 801 | 1995 HN <sub>2</sub>                                                                                                         | 1996 10 12.34951 | 03 34 54.28 | +13 50 55.8 | 801        |
| 1992 PW <sub>1</sub>  | 1996 10 10.23903 | 01 59 06.97 | +10 31 23.6 | 801 | 1995 HN <sub>2</sub>                                                                                                         | 1996 10 15.31531 | 03 33 04.50 | +13 55 44.0 | 801        |
| 1992 PW <sub>1</sub>  | 1996 10 12.24124 | 01 57 19.61 | +10 19 48.9 | 801 | 1995 HN <sub>2</sub>                                                                                                         | 1996 10 15.33691 | 03 33 03.60 | +13 55 46.0 | 801        |
| 1992 PW <sub>1</sub>  | 1996 10 12.26021 | 01 57 18.52 | +10 19 41.9 | 801 | 1996 TD <sub>8</sub>                                                                                                         | 1996 10 13.10183 | 01 41 22.46 | +16 48 07.5 | 801        |
| 1992 PY <sub>2</sub>  | 1996 10 14.99652 | 19 51 46.70 | -12 02 45.2 | 801 | 1996 TD <sub>8</sub>                                                                                                         | 1996 10 13.12308 | 01 41 22.20 | +16 47 39.4 | 801        |
| 1992 PY <sub>2</sub>  | 1996 10 15.01373 | 19 51 47.40 | -12 02 42.4 | 801 | 1996 TD <sub>8</sub>                                                                                                         | 1996 10 14.21542 | 01 41 12.59 | +16 23 06.7 | 801        |
| 1992 SN               | 1996 09 15.11860 | 21 38 39.05 | -09 26 38.4 | 801 | 1996 TD <sub>8</sub>                                                                                                         | 1996 10 14.22192 | 01 41 12.55 | +16 22 58.0 | 801        |
| 1992 SN               | 1996 10 16.03546 | 21 34 11.98 | -09 24 28.9 | 801 | 5493 T-2                                                                                                                     | 1996 10 15.17285 | 00 14 33.24 | +15 11 26.3 | 801        |
| 1992 SN               | 1996 10 16.08872 | 21 34 12.97 | -09 24 25.0 | 801 | 5493 T-2                                                                                                                     | 1996 10 15.20184 | 00 14 32.36 | +15 11 21.7 | 801        |
| 1992 ST               | 1996 10 10.06501 | 22 58 17.46 | -16 08 57.5 | 801 | <b>809 European Southern Observatory</b>                                                                                     |                  |             |             |            |
| 1992 ST               | 1996 10 10.08950 | 22 58 16.49 | -16 08 44.7 | 801 | E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be] (4)            |                  |             |             |            |
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| 1992 SD <sub>1</sub>  | 1996 10 15.19243 | 00 43 39.69 | -05 39 24.8 | 801 | G. Hahn, DLR, Institute for Planetary Exploration, Rudower Chaussee 5, D-12489 Berlin, Germany [hahn@terra.pe.ba.dlr.de] (9) |                  |             |             |            |
| 1992 SD <sub>1</sub>  | 1996 10 15.21743 | 00 43 38.21 | -05 39 24.3 | 801 | Observers G. Pizarro, O. Pizarro, S. Mottola, U. Carsenty, R. M. West, O. R. Hainaut                                         |                  |             |             |            |
| 1992 SG <sub>1</sub>  | 1996 10 15.08115 | 23 06 24.32 | -13 48 49.7 | 801 | Measurers E. W. Elst, S. Mottola, O. R. Hainaut, A. T. Hansen                                                                |                  |             |             |            |
| 1992 SG <sub>1</sub>  | 1996 10 15.10399 | 23 06 24.17 | -13 48 59.3 | 801 | 1975 SU <sub>1</sub>                                                                                                         | 1996 05 19.14375 | 14 30 12.29 | -13 02 25.6 | 18.4 4 809 |
| 1992 SN <sub>1</sub>  | 1996 10 10.10096 | 23 14 28.62 | -10 57 27.8 | 801 | 1975 SU <sub>1</sub>                                                                                                         | 1996 05 19.15694 | 14 30 11.74 | -13 02 22.7 | 4 809      |
| 1992 SN <sub>1</sub>  | 1996 10 10.12054 | 23 14 27.63 | -10 57 19.7 | 801 | 1975 SU <sub>1</sub>                                                                                                         | 1996 05 19.17014 | 14 30 11.20 | -13 02 20.5 | 4 809      |
| 1992 SN <sub>1</sub>  | 1996 10 12.12755 | 23 12 55.07 | -10 43 33.3 | 801 | 1979 MK <sub>3</sub>                                                                                                         | 1996 07 14.32708 | 22 34 42.39 | -10 31 45.8 | 18.4 4 809 |
| 1992 SN <sub>1</sub>  | 1996 10 12.14627 | 23 12 54.16 | -10 43 25.0 | 801 | 1979 MK <sub>3</sub>                                                                                                         | 1996 07 14.34028 | 22 34 42.20 | -10 31 48.0 | 4 809      |
| 1992 SF <sub>13</sub> | 1996 10 10.11769 | 23 24 57.53 | -02 16 41.0 | 801 | 1979 MK <sub>3</sub>                                                                                                         | 1996 07 14.35347 | 22 34 41.84 | -10 31 51.2 | 4 809      |
| 1992 SF <sub>13</sub> | 1996 10 10.13659 | 23 24 56.83 | -02 16 47.0 | 801 | 1979 MK <sub>3</sub>                                                                                                         | 1996 07 15.37708 | 22 34 26.67 | -10 35 01.7 | 4 809      |
| 1992 WZ <sub>5</sub>  | 1996 10 10.21071 | 01 40 23.15 | +32 13 44.7 | 801 | 1979 MK <sub>3</sub>                                                                                                         | 1996 07 15.39028 | 22 34 26.24 | -10 35 06.5 | 4 809      |
| 1992 WZ <sub>5</sub>  | 1996 10 10.22770 | 01 40 22.19 | +32 13 40.8 | 801 | 1979 MK <sub>3</sub>                                                                                                         | 1996 07 15.40347 | 22 34 25.94 | -10 35 10.2 | 4 809      |
| 1992 WZ <sub>5</sub>  | 1996 10 12.22991 | 01 38 40.87 | +32 03 33.0 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 14.32708 | 22 22 20.10 | -12 11 49.1 | 18.0 4 809 |
| 1992 WZ <sub>5</sub>  | 1996 10 12.24743 | 01 38 39.91 | +32 03 27.6 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 14.34028 | 22 22 19.81 | -12 11 51.2 | 4 809      |
| 1993 CL               | 1996 09 15.28220 | 01 47 36.82 | +04 38 19.7 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 14.35347 | 22 22 19.59 | -12 11 53.0 | 4 809      |
| 1993 CL               | 1996 09 15.30929 | 01 47 36.10 | +04 38 13.9 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 15.37708 | 22 22 03.59 | -12 14 32.9 | 4 809      |
| 1993 CL               | 1996 10 10.20741 | 01 32 13.71 | +03 03 14.5 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 15.39028 | 22 22 03.34 | -12 14 34.7 | 4 809      |
| 1993 CL               | 1996 10 10.22512 | 01 32 12.87 | +03 03 10.7 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 15.40347 | 22 22 03.05 | -12 14 37.2 | 4 809      |
| 1993 GE               | 1996 10 15.34300 | 03 33 10.13 | +11 36 18.2 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 21.31736 | 22 20 05.03 | -12 32 53.8 | 18.2 4 809 |
| 1993 TN <sub>1</sub>  | 1996 10 16.04454 | 22 14 57.57 | -16 05 24.4 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 21.33056 | 22 20 04.67 | -12 32 55.9 | 4 809      |
| 1993 TN <sub>1</sub>  | 1996 10 16.09529 | 22 14 59.35 | -16 05 10.6 | 801 | 1979 SP <sub>14</sub>                                                                                                        | 1996 07 21.34375 | 22 20 04.35 | -12 32 58.2 | 4 809      |
| 1993 TE <sub>5</sub>  | 1996 10 12.07535 | 21 44 24.83 | -08 05 37.6 | 801 |                                                                                                                              |                  |             |             |            |
| 1993 TE <sub>5</sub>  | 1996 10 15.04368 | 21 46 52.58 | -07 58 19.3 | 801 |                                                                                                                              |                  |             |             |            |
| 1993 TE <sub>5</sub>  | 1996 10 15.06002 | 21 46 53.38 | -07 58 16.6 | 801 |                                                                                                                              |                  |             |             |            |
| 1993 VY <sub>1</sub>  | 1996 10 15.12899 | 23 52 34.28 | -05 03 28.9 | 801 |                                                                                                                              |                  |             |             |            |

|                       |                    |             |             |      |       |                       |                    |             |             |      |       |
|-----------------------|--------------------|-------------|-------------|------|-------|-----------------------|--------------------|-------------|-------------|------|-------|
| 1981 EG <sub>21</sub> | 1996 07 21.31736   | 22 13 48.50 | -08 15 12.0 | 18.6 | 4 809 | 1992 SN               | 1996 07 14.32708   | 22 23 53.85 | -08 21 29.9 | 17.8 | 4 809 |
| 1981 EG <sub>21</sub> | 1996 07 21.33056   | 22 13 48.05 | -08 15 15.0 |      | 4 809 | 1992 SN               | 1996 07 14.34028   | 22 23 53.69 | -08 21 29.2 |      | 4 809 |
| 1981 EG <sub>21</sub> | 1996 07 21.34375   | 22 13 47.75 | -08 15 17.2 |      | 4 809 | 1992 SN               | 1996 07 14.35347   | 22 23 53.45 | -08 21 27.3 |      | 4 809 |
| 1982 UE <sub>7</sub>  | 1996 05 19.14375   | 14 31 03.56 | -13 23 04.2 | 18.6 | 4 809 | 1992 SN               | 1996 07 15.37708   | 22 23 38.64 | -08 19 39.5 |      | 4 809 |
| 1982 UE <sub>7</sub>  | 1996 05 19.15694   | 14 31 03.00 | -13 23 01.7 |      | 4 809 | 1992 SN               | 1996 07 15.39028   | 22 23 38.48 | -08 19 37.7 |      | 4 809 |
| 1982 UE <sub>7</sub>  | 1996 05 19.17014   | 14 31 02.37 | -13 22 59.3 |      | 4 809 | 1992 SN               | 1996 07 15.40347   | 22 23 38.20 | -08 19 36.4 |      | 4 809 |
| 1984 YL <sub>1</sub>  | 1996 05 19.14375   | 14 29 49.05 | -11 14 09.8 | 18.3 | 4 809 | 1992 SN               | 1996 07 21.31736   | 22 21 40.79 | -08 11 53.3 | 18.3 | 4 809 |
| 1984 YL <sub>1</sub>  | 1996 05 19.15694   | 14 29 48.30 | -11 14 09.5 |      | 4 809 | 1992 SN               | 1996 07 21.33056   | 22 21 40.36 | -08 11 52.8 |      | 4 809 |
| 1984 YL <sub>1</sub>  | 1996 05 19.17014   | 14 29 47.49 | -11 14 08.2 |      | 4 809 | 1992 SN               | 1996 07 21.34375   | 22 21 40.01 | -08 11 52.0 |      | 4 809 |
| 1985 UQ <sub>4</sub>  | 1996 07 14.32708   | 22 41 42.19 | -09 34 11.1 | 18.3 | 4 809 | 1993 RO               | 1994 08 10.31135   | 23 34 09.94 | -02 54 17.6 |      | 5 809 |
| 1985 UQ <sub>4</sub>  | 1996 07 14.34028   | 22 41 42.09 | -09 34 12.2 |      | 4 809 | 1993 RO               | 1994 08 10.42059   | 23 34 09.47 | -02 54 20.5 |      | 5 809 |
| 1985 UQ <sub>4</sub>  | 1996 07 14.35347   | 22 41 41.96 | -09 34 13.4 |      | 4 809 | 1993 SC               | 1994 08 09.37242   | 00 05 21.99 | +01 10 04.4 |      | 5 809 |
| 1986 AW <sub>2</sub>  | 1996 07 14.32708   | 22 30 04.29 | -12 07 50.6 | 18.0 | 4 809 | 1993 SC               | 1994 08 09.43030   | 00 05 21.78 | +01 10 03.2 |      | 5 809 |
| 1986 AW <sub>2</sub>  | 1996 07 14.34028   | 22 30 04.01 | -12 07 56.5 |      | 4 809 | 1993 SC               | 1994 08 10.17181   | 00 05 19.19 | +01 09 48.2 |      | 5 809 |
| 1986 AW <sub>2</sub>  | 1996 07 14.35347   | 22 30 03.74 | -12 08 01.4 |      | 4 809 | 1993 SC               | 1994 08 10.20810   | 00 05 19.05 | +01 09 47.3 |      | 5 809 |
| 1986 AW <sub>2</sub>  | 1996 07 15.37708   | 22 29 43.49 | -12 15 05.1 |      | 4 809 | 1993 SC               | 1994 08 10.23185   | 00 05 18.96 | +01 09 46.6 |      | 5 809 |
| 1986 AW <sub>2</sub>  | 1996 07 15.39028   | 22 29 43.19 | -12 15 08.5 |      | 4 809 | 1993 SC               | 1994 08 10.24909   | 00 05 18.90 | +01 09 46.5 |      | 5 809 |
| 1986 AW <sub>2</sub>  | 1996 07 15.40347   | 22 29 42.80 | -12 15 17.1 |      | 4 809 | 1993 TN <sub>1</sub>  | 1996 07 14.32708   | 22 39 01.86 | -10 18 10.3 | 18.0 | 4 809 |
| 1986 AW <sub>2</sub>  | 1996 07 21.31736   | 22 27 20.44 | -12 58 26.0 | 18.4 | 4 809 | 1993 TN <sub>1</sub>  | 1996 07 14.34028   | 22 39 02.11 | -10 18 11.2 |      | 4 809 |
| 1986 AW <sub>2</sub>  | 1996 07 21.33056   | 22 27 20.01 | -12 58 33.3 |      | 4 809 | 1993 TN <sub>1</sub>  | 1996 07 14.35347   | 22 39 02.37 | -10 18 12.4 |      | 4 809 |
| 1986 AW <sub>2</sub>  | 1996 07 21.34375   | 22 27 19.61 | -12 58 38.7 |      | 4 809 | 1993 VE <sub>2</sub>  | 1996 05 19.14375   | 14 48 08.37 | -14 49 33.5 | 18.4 | 4 809 |
| 1988 RP <sub>12</sub> | 1996 05 19.14375   | 14 45 13.46 | -10 43 17.1 | 19.0 | 4 809 | 1993 VE <sub>2</sub>  | 1996 05 19.15694   | 14 48 07.71 | -14 49 26.9 |      | 4 809 |
| 1988 RP <sub>12</sub> | 1996 05 19.15694   | 14 45 13.10 | -10 43 14.7 |      | 4 809 | 1993 VE <sub>2</sub>  | 1996 05 19.17014   | 14 48 07.00 | -14 49 20.7 |      | 4 809 |
| 1988 RP <sub>12</sub> | 1996 05 19.17014   | 14 45 12.71 | -10 43 13.0 |      | 4 809 | 1994 PB <sub>40</sub> | * 1994 08 09.37242 | 00 05 32.34 | +01 10 51.7 | 20 V | 5 809 |
| 1989 SE <sub>8</sub>  | 1996 07 14.32708   | 22 27 51.72 | -12 11 41.7 | 18.2 | 4 809 | 1994 PB <sub>40</sub> | 1994 08 09.43030   | 00 05 31.38 | +01 10 50.2 |      | 5 809 |
| 1989 SE <sub>8</sub>  | 1996 07 14.34028   | 22 27 51.35 | -12 11 42.7 |      | 4 809 | 1994 PB <sub>40</sub> | 1994 08 10.17181   | 00 05 20.08 | +01 10 28.2 |      | 5 809 |
| 1989 SE <sub>8</sub>  | 1996 07 14.35347   | 22 27 50.99 | -12 11 43.0 |      | 4 809 | 1994 PB <sub>40</sub> | 1994 08 10.20810   | 00 05 19.42 | +01 10 26.9 |      | 5 809 |
| 1989 SE <sub>8</sub>  | 1996 07 15.37708   | 22 27 26.72 | -12 12 27.8 |      | 4 809 | 1994 PB <sub>40</sub> | 1994 08 10.23185   | 00 05 18.96 | +01 10 26.1 |      | 5 809 |
| 1989 SE <sub>8</sub>  | 1996 07 15.39028   | 22 27 26.32 | -12 12 27.9 |      | 4 809 | 1994 PB <sub>40</sub> | 1994 08 10.24909   | 00 05 18.68 | +01 10 25.5 |      | 5 809 |
| 1989 SE <sub>8</sub>  | 1996 07 15.40347   | 22 27 26.00 | -12 12 27.3 |      | 4 809 | 1994 WE <sub>1</sub>  | 1996 05 19.14375   | 14 39 05.59 | -11 46 01.3 | 18.2 | 4 809 |
| 1989 VN <sub>5</sub>  | 1996 07 21.31736   | 22 22 07.98 | -09 40 00.5 | 18.5 | 4 809 | 1994 WE <sub>1</sub>  | 1996 05 19.15694   | 14 39 04.77 | -11 46 00.9 |      | 4 809 |
| 1989 VN <sub>5</sub>  | 1996 07 21.33056   | 22 22 07.55 | -09 40 01.8 |      | 4 809 | 1994 WE <sub>1</sub>  | 1996 05 19.17014   | 14 39 03.98 | -11 46 01.3 |      | 4 809 |
| 1989 VN <sub>5</sub>  | 1996 07 21.34375   | 22 22 07.14 | -09 40 03.5 |      | 4 809 | 1994 XJ <sub>1</sub>  | 1996 05 19.14375   | 14 33 21.62 | -13 31 48.8 | 18.5 | 4 809 |
| 1991 PG <sub>5</sub>  | 1996 07 21.31736   | 22 27 01.09 | -08 11 46.7 | 18.5 | 4 809 | 1994 XJ <sub>1</sub>  | 1996 05 19.15694   | 14 33 20.84 | -13 31 45.8 |      | 4 809 |
| 1991 PG <sub>5</sub>  | 1996 07 21.33056   | 22 27 00.70 | -08 11 48.9 |      | 4 809 | 1994 XJ <sub>1</sub>  | 1996 05 19.17014   | 14 33 20.10 | -13 31 43.9 |      | 4 809 |
| 1991 PG <sub>5</sub>  | 1996 07 21.34375   | 22 27 00.34 | -08 11 50.2 |      | 4 809 | 1996 HP               | 1996 05 19.14375   | 14 35 21.80 | -13 03 00.4 | 18.3 | 4 809 |
| 1992 JX <sub>4</sub>  | * 1992 05 03.23889 | 16 13 10.38 | -19 05 25.4 | 18.6 | 4 809 | 1996 HP               | 1996 05 19.15694   | 14 35 21.01 | -13 03 02.7 |      | 4 809 |
| 1992 JX <sub>4</sub>  | 1992 05 03.25208   | 16 13 09.75 | -19 05 24.4 |      | 4 809 | 1996 HP               | 1996 05 19.17014   | 14 35 20.25 | -13 03 04.0 |      | 4 809 |
| 1992 JX <sub>4</sub>  | 1992 05 03.26528   | 16 13 08.99 | -19 05 22.0 |      | 4 809 | 1996 HR               | 1996 05 19.14375   | 14 46 02.13 | -10 44 00.7 | 18.5 | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.23980   | 00 12 57.88 | +01 32 13.6 |      | 5 809 | 1996 HR               | 1996 05 19.15694   | 14 46 01.38 | -10 43 59.3 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.24984   | 00 12 57.88 | +01 32 13.8 |      | 5 809 | 1996 HR               | 1996 05 19.17014   | 14 46 00.70 | -10 43 57.8 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.26133   | 00 12 57.85 | +01 32 13.5 |      | 5 809 | 1996 HV               | 1996 05 19.14375   | 14 46 29.29 | -12 39 04.9 | 18.4 | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.27966   | 00 12 57.78 | +01 32 13.2 |      | 5 809 | 1996 HV               | 1996 05 19.15694   | 14 46 28.53 | -12 39 05.6 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.29770   | 00 12 57.73 | +01 32 13.0 |      | 5 809 | 1996 HV               | 1996 05 19.17014   | 14 46 27.83 | -12 39 07.5 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.30988   | 00 12 57.67 | +01 32 12.9 |      | 5 809 | 1996 HM <sub>16</sub> | 1996 05 19.14375   | 14 31 17.28 | -13 16 06.8 | 18.3 | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.32816   | 00 12 57.63 | +01 32 12.3 |      | 5 809 | 1996 HM <sub>16</sub> | 1996 05 19.15694   | 14 31 16.65 | -13 16 01.2 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.34130   | 00 12 57.61 | +01 32 12.3 |      | 5 809 | 1996 HM <sub>16</sub> | 1996 05 19.17014   | 14 31 16.11 | -13 15 56.0 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.40229   | 00 12 57.42 | +01 32 11.2 |      | 5 809 | 1996 HT <sub>16</sub> | 1996 05 19.14375   | 14 31 37.20 | -13 05 21.2 | 18.8 | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 09.41674   | 00 12 57.37 | +01 32 10.7 |      | 5 809 | 1996 HT <sub>16</sub> | 1996 05 19.15694   | 14 31 36.52 | -13 05 17.6 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 10.15616   | 00 12 55.30 | +01 31 57.8 |      | 5 809 | 1996 HT <sub>16</sub> | 1996 05 19.17014   | 14 31 35.95 | -13 05 15.4 |      | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 10.19323   | 00 12 55.20 | +01 31 56.7 |      | 5 809 | 1996 HJ <sub>17</sub> | 1996 05 19.14375   | 14 31 50.00 | -13 20 07.7 | 18.5 | 4 809 |
| 1992 QB <sub>1</sub>  | 1994 08 10.32487   | 00 12 54.80 | +01 31 54.5 |      | 5 809 | 1996 HJ <sub>17</sub> | 1996 05 19.15694   | 14 31 49.32 | -13 20 02.3 |      | 4 809 |

|                       |                  |             |             |      |       |                       |                  |             |             |      |       |
|-----------------------|------------------|-------------|-------------|------|-------|-----------------------|------------------|-------------|-------------|------|-------|
| 1996 HJ <sub>17</sub> | 1996 05 19.17014 | 14 31 48.67 | -13 19 57.8 |      | 4 809 | 1996 HS <sub>22</sub> | 1996 05 19.14375 | 14 43 19.58 | -14 51 35.5 | 18.7 | 4 809 |
| 1996 HT <sub>17</sub> | 1996 05 19.14375 | 14 34 40.69 | -11 01 44.6 | 18.3 | 4 809 | 1996 HS <sub>22</sub> | 1996 05 19.15694 | 14 43 18.76 | -14 51 33.2 |      | 4 809 |
| 1996 HT <sub>17</sub> | 1996 05 19.15694 | 14 34 40.13 | -11 01 42.4 |      | 4 809 | 1996 HS <sub>22</sub> | 1996 05 19.17014 | 14 43 18.00 | -14 51 30.3 |      | 4 809 |
| 1996 HT <sub>17</sub> | 1996 05 19.17014 | 14 34 39.53 | -11 01 40.2 |      | 4 809 | 1996 HV <sub>22</sub> | 1996 05 19.14375 | 14 41 56.08 | -13 04 14.2 | 18.6 | 4 809 |
| 1996 HY <sub>17</sub> | 1996 05 19.14375 | 14 35 53.08 | -11 46 49.1 | 19.2 | 4 809 | 1996 HV <sub>22</sub> | 1996 05 19.15694 | 14 41 55.14 | -13 04 12.8 |      | 4 809 |
| 1996 HY <sub>17</sub> | 1996 05 19.15694 | 14 35 52.38 | -11 46 46.5 |      | 4 809 | 1996 HV <sub>22</sub> | 1996 05 19.17014 | 14 41 54.33 | -13 04 12.3 |      | 4 809 |
| 1996 HY <sub>17</sub> | 1996 05 19.17014 | 14 35 51.82 | -11 46 44.3 |      | 4 809 | 1996 HW <sub>22</sub> | 1996 05 19.14375 | 14 48 53.73 | -14 43 12.5 | 18.5 | 4 809 |
| 1996 HU <sub>18</sub> | 1996 05 19.14375 | 14 38 48.33 | -13 46 19.4 | 18.4 | 4 809 | 1996 HW <sub>22</sub> | 1996 05 19.15694 | 14 48 53.04 | -14 43 09.1 |      | 4 809 |
| 1996 HU <sub>18</sub> | 1996 05 19.15694 | 14 38 47.75 | -13 46 17.4 |      | 4 809 | 1996 HW <sub>22</sub> | 1996 05 19.17014 | 14 48 52.26 | -14 43 05.6 |      | 4 809 |
| 1996 HU <sub>18</sub> | 1996 05 19.17014 | 14 38 47.14 | -13 46 14.9 |      | 4 809 | 1996 HY <sub>22</sub> | 1996 05 19.14375 | 14 48 34.86 | -13 37 19.0 | 18.8 | 4 809 |
| 1996 HY <sub>18</sub> | 1996 05 19.14375 | 14 40 28.59 | -12 48 33.1 | 19.4 | 4 809 | 1996 HY <sub>22</sub> | 1996 05 19.15694 | 14 48 34.19 | -13 37 14.5 |      | 4 809 |
| 1996 HY <sub>18</sub> | 1996 05 19.15694 | 14 40 27.98 | -12 48 29.4 |      | 4 809 | 1996 HY <sub>22</sub> | 1996 05 19.17014 | 14 48 33.56 | -13 37 11.8 |      | 4 809 |
| 1996 HY <sub>18</sub> | 1996 05 19.17014 | 14 40 27.42 | -12 48 25.6 |      | 4 809 | 1996 HZ <sub>22</sub> | 1996 05 19.14375 | 14 45 56.97 | -11 01 10.5 | 18.3 | 4 809 |
| 1996 HC <sub>19</sub> | 1996 05 19.14375 | 14 34 57.97 | -13 20 06.7 | 18.7 | 4 809 | 1996 HZ <sub>22</sub> | 1996 05 19.15694 | 14 45 56.23 | -11 01 05.2 |      | 4 809 |
| 1996 HC <sub>19</sub> | 1996 05 19.15694 | 14 34 57.31 | -13 20 04.1 |      | 4 809 | 1996 HZ <sub>22</sub> | 1996 05 19.17014 | 14 45 55.51 | -11 01 00.5 |      | 4 809 |
| 1996 HC <sub>19</sub> | 1996 05 19.17014 | 14 34 56.52 | -13 20 00.0 |      | 4 809 | 1996 HJ <sub>23</sub> | 1996 05 19.14375 | 14 46 55.95 | -10 51 40.4 | 19.4 | 4 809 |
| 1996 HN <sub>19</sub> | 1996 05 19.14375 | 14 36 26.40 | -11 53 30.2 | 18.3 | 4 809 | 1996 HJ <sub>23</sub> | 1996 05 19.15694 | 14 46 55.18 | -10 51 37.8 |      | 4 809 |
| 1996 HN <sub>19</sub> | 1996 05 19.15694 | 14 36 25.68 | -11 53 26.1 |      | 4 809 | 1996 HJ <sub>23</sub> | 1996 05 19.17014 | 14 46 54.36 | -10 51 35.6 |      | 4 809 |
| 1996 HN <sub>19</sub> | 1996 05 19.17014 | 14 36 24.91 | -11 53 20.4 |      | 4 809 | 1996 HN <sub>23</sub> | 1996 05 19.14375 | 14 47 42.62 | -11 28 06.8 | 18.4 | 4 809 |
| 1996 HQ <sub>19</sub> | 1996 05 19.14375 | 14 42 06.95 | -14 48 10.4 | 18.5 | 4 809 | 1996 HN <sub>23</sub> | 1996 05 19.15694 | 14 47 41.78 | -11 28 05.9 |      | 4 809 |
| 1996 HQ <sub>19</sub> | 1996 05 19.15694 | 14 42 06.31 | -14 48 07.2 |      | 4 809 | 1996 HN <sub>23</sub> | 1996 05 19.17014 | 14 47 40.95 | -11 28 03.5 |      | 4 809 |
| 1996 HQ <sub>19</sub> | 1996 05 19.17014 | 14 42 05.71 | -14 48 05.5 |      | 4 809 | 1996 HO <sub>23</sub> | 1996 05 19.14375 | 14 49 22.77 | -11 59 29.9 | 18.4 | 4 809 |
| 1996 HS <sub>19</sub> | 1996 05 19.14375 | 14 41 59.14 | -13 03 54.1 | 18.8 | 4 809 | 1996 HO <sub>23</sub> | 1996 05 19.15694 | 14 49 22.05 | -11 59 25.7 |      | 4 809 |
| 1996 HS <sub>19</sub> | 1996 05 19.15694 | 14 41 58.42 | -13 03 50.5 |      | 4 809 | 1996 HO <sub>23</sub> | 1996 05 19.17014 | 14 49 21.28 | -11 59 20.8 |      | 4 809 |
| 1996 HS <sub>19</sub> | 1996 05 19.17014 | 14 41 57.87 | -13 03 48.7 |      | 4 809 | 1996 HP <sub>23</sub> | 1996 05 19.14375 | 14 47 28.31 | -14 16 36.9 | 18.6 | 4 809 |
| 1996 HO <sub>20</sub> | 1996 05 19.14375 | 14 40 05.48 | -14 20 19.7 | 18.3 | 4 809 | 1996 HP <sub>23</sub> | 1996 05 19.15694 | 14 47 27.50 | -14 16 36.6 |      | 4 809 |
| 1996 HO <sub>20</sub> | 1996 05 19.15694 | 14 40 04.74 | -14 20 19.2 |      | 4 809 | 1996 HP <sub>23</sub> | 1996 05 19.17014 | 14 47 26.72 | -14 16 35.8 |      | 4 809 |
| 1996 HO <sub>20</sub> | 1996 05 19.17014 | 14 40 04.03 | -14 20 17.3 |      | 4 809 | 1996 HW <sub>23</sub> | 1996 05 19.14375 | 14 47 14.89 | -12 10 40.4 | 18.5 | 4 809 |
| 1996 HR <sub>20</sub> | 1996 05 19.14375 | 14 46 06.21 | -13 28 53.8 | 18.8 | 4 809 | 1996 HW <sub>23</sub> | 1996 05 19.15694 | 14 47 14.12 | -12 10 41.1 |      | 4 809 |
| 1996 HR <sub>20</sub> | 1996 05 19.15694 | 14 46 05.54 | -13 28 48.7 |      | 4 809 | 1996 HW <sub>23</sub> | 1996 05 19.17014 | 14 47 13.33 | -12 10 40.4 |      | 4 809 |
| 1996 HR <sub>20</sub> | 1996 05 19.17014 | 14 46 05.00 | -13 28 44.0 |      | 4 809 | 1996 HX <sub>23</sub> | 1996 05 19.14375 | 14 49 52.04 | -13 14 58.4 | 19.0 | 4 809 |
| 1996 HT <sub>20</sub> | 1996 05 19.14375 | 14 40 07.69 | -13 29 27.7 | 18.9 | 4 809 | 1996 HX <sub>23</sub> | 1996 05 19.15694 | 14 49 51.22 | -13 14 59.7 |      | 4 809 |
| 1996 HT <sub>20</sub> | 1996 05 19.15694 | 14 40 06.96 | -13 29 24.9 |      | 4 809 | 1996 HX <sub>23</sub> | 1996 05 19.17014 | 14 49 50.43 | -13 15 00.4 |      | 4 809 |
| 1996 HT <sub>20</sub> | 1996 05 19.17014 | 14 40 06.37 | -13 29 21.9 |      | 4 809 | 1996 HC <sub>24</sub> | 1996 05 19.14375 | 14 49 22.86 | -12 43 45.5 | 18.5 | 4 809 |
| 1996 HV <sub>20</sub> | 1996 05 19.14375 | 14 43 56.91 | -10 47 14.3 | 18.3 | 4 809 | 1996 HC <sub>24</sub> | 1996 05 19.15694 | 14 49 21.88 | -12 43 45.8 |      | 4 809 |
| 1996 HV <sub>20</sub> | 1996 05 19.15694 | 14 43 56.32 | -10 47 11.2 |      | 4 809 | 1996 HC <sub>24</sub> | 1996 05 19.17014 | 14 49 21.08 | -12 43 47.4 |      | 4 809 |
| 1996 HV <sub>20</sub> | 1996 05 19.17014 | 14 43 55.62 | -10 47 08.0 |      | 4 809 | 1996 HN <sub>24</sub> | 1996 05 19.14375 | 14 51 01.87 | -12 03 38.4 | 17.9 | 4 809 |
| 1996 HD <sub>21</sub> | 1996 05 19.14375 | 14 42 02.22 | -14 03 50.6 | 17.8 | 4 809 | 1996 HN <sub>24</sub> | 1996 05 19.15694 | 14 51 01.10 | -12 03 39.4 |      | 4 809 |
| 1996 HD <sub>21</sub> | 1996 05 19.15694 | 14 42 01.46 | -14 03 50.6 |      | 4 809 | 1996 HN <sub>24</sub> | 1996 05 19.17014 | 14 51 00.32 | -12 03 39.8 |      | 4 809 |
| 1996 HD <sub>21</sub> | 1996 05 19.17014 | 14 42 00.76 | -14 03 49.1 |      | 4 809 | 1996 KB               | 1996 05 19.14375 | 14 36 06.21 | -15 25 01.5 | 18.0 | 4 809 |
| 1996 HH <sub>21</sub> | 1996 05 19.14375 | 14 46 03.17 | -12 52 49.9 | 18.5 | 4 809 | 1996 KB               | 1996 05 19.15694 | 14 36 05.56 | -15 24 57.4 |      | 4 809 |
| 1996 HH <sub>21</sub> | 1996 05 19.15694 | 14 46 02.54 | -12 52 47.3 |      | 4 809 | 1996 KB               | 1996 05 19.17014 | 14 36 04.92 | -15 24 53.6 |      | 4 809 |
| 1996 HH <sub>21</sub> | 1996 05 19.17014 | 14 46 01.86 | -12 52 43.7 |      | 4 809 | 1996 KE               | 1996 05 19.13958 | 14 38 30.26 | -12 30 22.0 | 18.7 | 4 809 |
| 1996 HL <sub>21</sub> | 1996 05 19.14375 | 14 40 41.32 | -14 36 37.5 | 18.7 | 4 809 | 1996 KE               | 1996 05 19.14375 | 14 38 29.47 | -12 30 52.8 |      | 4 809 |
| 1996 HL <sub>21</sub> | 1996 05 19.15694 | 14 40 40.51 | -14 36 36.9 |      | 4 809 | 1996 KE               | 1996 05 19.14792 | 14 38 28.76 | -12 31 23.2 |      | 4 809 |
| 1996 HL <sub>21</sub> | 1996 05 19.17014 | 14 40 39.62 | -14 36 36.0 |      | 4 809 | 1996 KE               | 1996 05 19.15278 | 14 38 27.91 | -12 32 01.5 |      | 4 809 |
| 1996 HM <sub>21</sub> | 1996 05 19.14375 | 14 38 19.62 | -14 48 08.9 | 19.0 | 4 809 | 1996 KE               | 1996 05 19.15694 | 14 38 27.28 | -12 32 29.7 |      | 4 809 |
| 1996 HM <sub>21</sub> | 1996 05 19.15694 | 14 38 18.86 | -14 48 08.5 |      | 4 809 | 1996 KE               | 1996 05 19.16111 | 14 38 26.62 | -12 33 01.5 |      | 4 809 |
| 1996 HM <sub>21</sub> | 1996 05 19.17014 | 14 38 18.02 | -14 48 08.2 |      | 4 809 | 1996 KE               | 1996 05 19.16597 | 14 38 25.72 | -12 33 39.6 |      | 4 809 |
| 1996 HR <sub>21</sub> | 1996 05 19.14375 | 14 48 22.78 | -14 38 13.3 | 18.2 | 4 809 | 1996 KE               | 1996 05 19.17014 | 14 38 24.93 | -12 34 11.6 |      | 4 809 |
| 1996 HR <sub>21</sub> | 1996 05 19.15694 | 14 48 22.15 | -14 38 11.8 |      | 4 809 | 1996 KE               | 1996 05 19.17431 | 14 38 24.24 | -12 34 40.0 |      | 4 809 |
| 1996 HR <sub>21</sub> | 1996 05 19.17014 | 14 48 21.47 | -14 38 08.2 |      | 4 809 | 1996 KP <sub>7</sub>  | 1996 05 19.14375 | 14 30 12.70 | -11 03 50.0 | 18.4 | 4 809 |

|                      |                    |             |             |      |       |                      |                    |             |             |      |       |
|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1996 KP <sub>7</sub> | 1996 05 19.15694   | 14 30 12.01 | -11 03 49.5 |      | 4 809 | 1996 NA <sub>5</sub> | 1996 07 15.40347   | 22 19 52.59 | -10 22 55.7 |      | 4 809 |
| 1996 KP <sub>7</sub> | 1996 05 19.17014   | 14 30 11.27 | -11 03 50.1 |      | 4 809 | 1996 NA <sub>5</sub> | 1996 07 21.31736   | 22 16 59.00 | -10 23 25.1 | 18.5 | 4 809 |
| 1996 KQ <sub>7</sub> | 1996 05 19.14375   | 14 33 11.68 | -14 39 40.2 | 18.4 | 4 809 | 1996 NA <sub>5</sub> | 1996 07 21.33056   | 22 16 58.54 | -10 23 25.9 |      | 4 809 |
| 1996 KQ <sub>7</sub> | 1996 05 19.15694   | 14 33 11.07 | -14 39 35.3 |      | 4 809 | 1996 NA <sub>5</sub> | 1996 07 21.34375   | 22 16 58.08 | -10 23 26.4 |      | 4 809 |
| 1996 KQ <sub>7</sub> | 1996 05 19.17014   | 14 33 10.34 | -14 39 30.3 |      | 4 809 | 1996 NB <sub>5</sub> | * 1996 07 14.32708 | 22 22 16.22 | -09 41 18.7 | 18.1 | 4 809 |
| 1996 KS <sub>7</sub> | 1996 05 19.14375   | 14 35 29.16 | -11 08 26.9 | 18.4 | 4 809 | 1996 NB <sub>5</sub> | 1996 07 14.34028   | 22 22 16.09 | -09 41 16.3 |      | 4 809 |
| 1996 KS <sub>7</sub> | 1996 05 19.15694   | 14 35 28.34 | -11 08 23.2 |      | 4 809 | 1996 NB <sub>5</sub> | 1996 07 14.35347   | 22 22 15.97 | -09 41 12.8 |      | 4 809 |
| 1996 KS <sub>7</sub> | 1996 05 19.17014   | 14 35 27.73 | -11 08 20.5 |      | 4 809 | 1996 NB <sub>5</sub> | 1996 07 15.37708   | 22 22 10.44 | -09 36 55.2 |      | 4 809 |
| 1996 KW <sub>7</sub> | 1996 05 19.14375   | 14 38 14.69 | -13 46 08.3 | 18.6 | 4 809 | 1996 NB <sub>5</sub> | 1996 07 15.39028   | 22 22 10.36 | -09 36 53.7 |      | 4 809 |
| 1996 KW <sub>7</sub> | 1996 05 19.15694   | 14 38 13.93 | -13 46 01.7 |      | 4 809 | 1996 NB <sub>5</sub> | 1996 07 15.40347   | 22 22 10.20 | -09 36 51.6 |      | 4 809 |
| 1996 KW <sub>7</sub> | 1996 05 19.17014   | 14 38 13.17 | -13 45 55.9 |      | 4 809 | 1996 NB <sub>5</sub> | 1996 07 21.31736   | 22 20 54.53 | -09 15 13.5 | 18.4 | 4 809 |
| 1996 KY <sub>7</sub> | 1996 05 19.14375   | 14 38 40.71 | -11 24 57.2 | 18.7 | 4 809 | 1996 NB <sub>5</sub> | 1996 07 21.33056   | 22 20 54.20 | -09 15 10.9 |      | 4 809 |
| 1996 KY <sub>7</sub> | 1996 05 19.15694   | 14 38 40.03 | -11 24 57.7 |      | 4 809 | 1996 NB <sub>5</sub> | 1996 07 21.34375   | 22 20 53.88 | -09 15 08.2 |      | 4 809 |
| 1996 KY <sub>7</sub> | 1996 05 19.17014   | 14 38 39.17 | -11 24 57.7 |      | 4 809 | 1996 NC <sub>5</sub> | * 1996 07 14.32708 | 22 23 15.43 | -10 36 04.7 | 18.2 | 4 809 |
| 1996 KB <sub>8</sub> | 1996 05 19.14375   | 14 40 19.87 | -11 46 52.6 | 19.0 | 4 809 | 1996 NC <sub>5</sub> | 1996 07 14.34028   | 22 23 15.22 | -10 36 05.9 |      | 4 809 |
| 1996 KB <sub>8</sub> | 1996 05 19.15694   | 14 40 19.17 | -11 46 52.0 |      | 4 809 | 1996 NC <sub>5</sub> | 1996 07 14.35347   | 22 23 15.11 | -10 36 06.9 |      | 4 809 |
| 1996 KB <sub>8</sub> | 1996 05 19.17014   | 14 40 18.40 | -11 46 49.1 |      | 4 809 | 1996 NC <sub>5</sub> | 1996 07 15.37708   | 22 23 04.04 | -10 37 28.8 |      | 4 809 |
| 1996 KK <sub>8</sub> | 1996 05 19.14375   | 14 41 22.69 | -13 51 55.4 | 18.2 | 4 809 | 1996 NC <sub>5</sub> | 1996 07 15.39028   | 22 23 03.80 | -10 37 30.5 |      | 4 809 |
| 1996 KK <sub>8</sub> | 1996 05 19.15694   | 14 41 22.11 | -13 51 46.9 |      | 4 809 | 1996 NC <sub>5</sub> | 1996 07 15.40347   | 22 23 03.70 | -10 37 31.5 |      | 4 809 |
| 1996 KK <sub>8</sub> | 1996 05 19.17014   | 14 41 21.68 | -13 51 40.6 |      | 4 809 | 1996 NC <sub>5</sub> | 1996 07 21.31736   | 22 21 30.31 | -10 48 40.8 | 18.4 | 4 809 |
| 1996 KM <sub>8</sub> | 1996 05 19.14375   | 14 44 01.75 | -13 15 46.5 | 18.6 | 4 809 | 1996 NC <sub>5</sub> | 1996 07 21.33056   | 22 21 29.97 | -10 48 42.8 |      | 4 809 |
| 1996 KM <sub>8</sub> | 1996 05 19.15694   | 14 44 00.79 | -13 15 50.5 |      | 4 809 | 1996 NC <sub>5</sub> | 1996 07 21.34375   | 22 21 29.65 | -10 48 44.6 |      | 4 809 |
| 1996 KM <sub>8</sub> | 1996 05 19.17014   | 14 44 00.03 | -13 15 53.6 |      | 4 809 | 1996 ND <sub>5</sub> | * 1996 07 14.32708 | 22 23 19.52 | -09 52 14.3 | 18.0 | 4 809 |
| 1996 KN <sub>8</sub> | 1996 05 19.14375   | 14 43 46.84 | -12 04 51.7 | 18.8 | 4 809 | 1996 ND <sub>5</sub> | 1996 07 14.34028   | 22 23 19.38 | -09 52 15.1 |      | 4 809 |
| 1996 KN <sub>8</sub> | 1996 05 19.15694   | 14 43 46.03 | -12 04 48.6 |      | 4 809 | 1996 ND <sub>5</sub> | 1996 07 14.35347   | 22 23 19.15 | -09 52 15.9 |      | 4 809 |
| 1996 KN <sub>8</sub> | 1996 05 19.17014   | 14 43 45.22 | -12 04 44.5 |      | 4 809 | 1996 ND <sub>5</sub> | 1996 07 15.37708   | 22 23 04.71 | -09 53 25.3 |      | 4 809 |
| 1996 KP <sub>8</sub> | 1996 04 18.24097   | 15 10 41.86 | -13 36 00.0 | 18.4 | 4 809 | 1996 ND <sub>5</sub> | 1996 07 15.39028   | 22 23 04.44 | -09 53 25.0 |      | 4 809 |
| 1996 KP <sub>8</sub> | 1996 04 18.25417   | 15 10 41.17 | -13 35 56.1 |      | 4 809 | 1996 ND <sub>5</sub> | 1996 07 15.40347   | 22 23 04.17 | -09 53 25.6 |      | 4 809 |
| 1996 KP <sub>8</sub> | 1996 04 18.26736   | 15 10 40.58 | -13 35 53.3 |      | 4 809 | 1996 ND <sub>5</sub> | 1996 07 21.31736   | 22 21 12.02 | -10 02 45.2 | 18.5 | 4 809 |
| 1996 KP <sub>8</sub> | 1996 05 19.14375   | 14 43 45.54 | -11 19 51.1 | 19.0 | 4 809 | 1996 ND <sub>5</sub> | 1996 07 21.33056   | 22 21 11.68 | -10 02 47.2 |      | 4 809 |
| 1996 KP <sub>8</sub> | 1996 05 19.15694   | 14 43 44.88 | -11 19 47.5 |      | 4 809 | 1996 ND <sub>5</sub> | 1996 07 21.34375   | 22 21 11.25 | -10 02 48.8 |      | 4 809 |
| 1996 KP <sub>8</sub> | 1996 05 19.17014   | 14 43 44.16 | -11 19 43.9 |      | 4 809 | 1996 NE <sub>5</sub> | * 1996 07 14.32708 | 22 23 47.27 | -08 36 27.5 | 18.3 | 4 809 |
| 1996 KS <sub>8</sub> | 1996 05 19.14375   | 14 44 07.84 | -14 27 26.9 | 18.4 | 4 809 | 1996 NE <sub>5</sub> | 1996 07 14.34028   | 22 23 47.05 | -08 36 27.3 |      | 4 809 |
| 1996 KS <sub>8</sub> | 1996 05 19.15694   | 14 44 07.16 | -14 27 20.9 |      | 4 809 | 1996 NE <sub>5</sub> | 1996 07 14.35347   | 22 23 46.77 | -08 36 29.1 |      | 4 809 |
| 1996 KS <sub>8</sub> | 1996 05 19.17014   | 14 44 06.62 | -14 27 16.8 |      | 4 809 | 1996 NE <sub>5</sub> | 1996 07 15.37708   | 22 23 28.36 | -08 37 37.3 |      | 4 809 |
| 1996 KT <sub>8</sub> | 1996 05 19.14375   | 14 44 28.23 | -14 10 31.8 | 18.0 | 4 809 | 1996 NE <sub>5</sub> | 1996 07 15.39028   | 22 23 28.18 | -08 37 38.8 |      | 4 809 |
| 1996 KT <sub>8</sub> | 1996 05 19.15694   | 14 44 27.54 | -14 10 24.9 |      | 4 809 | 1996 NE <sub>5</sub> | 1996 07 15.40347   | 22 23 27.84 | -08 37 38.6 |      | 4 809 |
| 1996 KT <sub>8</sub> | 1996 05 19.17014   | 14 44 26.89 | -14 10 19.4 |      | 4 809 | 1996 NE <sub>5</sub> | 1996 07 21.31736   | 22 21 15.53 | -08 46 50.5 | 18.4 | 4 809 |
| 1996 KV <sub>8</sub> | 1996 05 19.14375   | 14 45 21.59 | -14 48 31.9 | 18.4 | 4 809 | 1996 NE <sub>5</sub> | 1996 07 21.33056   | 22 21 15.21 | -08 46 52.4 |      | 4 809 |
| 1996 KV <sub>8</sub> | 1996 05 19.15694   | 14 45 20.80 | -14 48 25.1 |      | 4 809 | 1996 NE <sub>5</sub> | 1996 07 21.34375   | 22 21 14.85 | -08 46 53.3 |      | 4 809 |
| 1996 KV <sub>8</sub> | 1996 05 19.17014   | 14 45 20.15 | -14 48 19.5 |      | 4 809 | 1996 NF <sub>5</sub> | * 1996 07 14.32708 | 22 25 15.08 | -08 59 50.3 | 18.5 | 4 809 |
| 1996 KB <sub>9</sub> | 1996 05 19.14375   | 14 47 57.01 | -10 30 18.9 | 18.3 | 4 809 | 1996 NF <sub>5</sub> | 1996 07 14.34028   | 22 25 14.92 | -08 59 52.6 |      | 4 809 |
| 1996 KB <sub>9</sub> | 1996 05 19.15694   | 14 47 56.31 | -10 30 20.1 |      | 4 809 | 1996 NF <sub>5</sub> | 1996 07 14.35347   | 22 25 14.73 | -08 59 54.6 |      | 4 809 |
| 1996 KB <sub>9</sub> | 1996 05 19.17014   | 14 47 55.60 | -10 30 19.5 |      | 4 809 | 1996 NF <sub>5</sub> | 1996 07 15.37708   | 22 25 00.96 | -09 02 51.5 |      | 4 809 |
| 1996 KG <sub>9</sub> | 1996 05 19.14375   | 14 50 20.16 | -13 36 04.9 | 18.5 | 4 809 | 1996 NF <sub>5</sub> | 1996 07 15.39028   | 22 25 00.63 | -09 02 56.6 |      | 4 809 |
| 1996 KG <sub>9</sub> | 1996 05 19.15694   | 14 50 19.49 | -13 36 00.8 |      | 4 809 | 1996 NF <sub>5</sub> | 1996 07 15.40347   | 22 25 00.40 | -09 02 58.7 |      | 4 809 |
| 1996 KG <sub>9</sub> | 1996 05 19.17014   | 14 50 18.87 | -13 35 58.4 |      | 4 809 | 1996 NG <sub>5</sub> | * 1996 07 14.32708 | 22 26 12.36 | -11 29 15.0 | 18.3 | 4 809 |
| 1996 NA <sub>5</sub> | * 1996 07 14.32708 | 22 20 20.24 | -10 23 06.4 | 18.4 | 4 809 | 1996 NG <sub>5</sub> | 1996 07 14.34028   | 22 26 12.22 | -11 29 15.3 |      | 4 809 |
| 1996 NA <sub>5</sub> | 1996 07 14.34028   | 22 20 19.85 | -10 23 06.0 |      | 4 809 | 1996 NG <sub>5</sub> | 1996 07 14.35347   | 22 26 11.99 | -11 29 15.5 |      | 4 809 |
| 1996 NA <sub>5</sub> | 1996 07 14.35347   | 22 20 19.46 | -10 23 06.4 |      | 4 809 | 1996 NG <sub>5</sub> | 1996 07 15.37708   | 22 26 00.72 | -11 29 41.9 |      | 4 809 |
| 1996 NA <sub>5</sub> | 1996 07 15.37708   | 22 19 53.02 | -10 22 56.9 |      | 4 809 | 1996 NG <sub>5</sub> | 1996 07 15.39028   | 22 26 00.45 | -11 29 42.8 |      | 4 809 |
| 1996 NA <sub>5</sub> | 1996 07 15.39028   | 22 19 52.86 | -10 22 54.9 |      | 4 809 | 1996 NG <sub>5</sub> | 1996 07 15.40347   | 22 26 00.22 | -11 29 44.5 |      | 4 809 |

|                      |                    |             |             |      |       |                      |                    |             |             |      |       |
|----------------------|--------------------|-------------|-------------|------|-------|----------------------|--------------------|-------------|-------------|------|-------|
| 1996 NG <sub>5</sub> | 1996 07 21.31736   | 22 24 10.75 | -11 36 10.8 | 18.4 | 4 809 | 1996 NN <sub>5</sub> | 1996 07 15.39028   | 22 31 05.53 | -09 05 30.5 |      | 4 809 |
| 1996 NG <sub>5</sub> | 1996 07 21.33056   | 22 24 10.31 | -11 36 11.9 |      | 4 809 | 1996 NN <sub>5</sub> | 1996 07 15.40347   | 22 31 05.41 | -09 05 34.0 |      | 4 809 |
| 1996 NG <sub>5</sub> | 1996 07 21.34375   | 22 24 09.87 | -11 36 14.1 |      | 4 809 | 1996 NN <sub>5</sub> | 1996 07 21.31736   | 22 29 28.09 | -09 25 31.9 | 18.6 | 4 809 |
| 1996 NH <sub>5</sub> | * 1996 07 14.32708 | 22 26 44.13 | -11 26 03.9 | 18.3 | 4 809 | 1996 NN <sub>5</sub> | 1996 07 21.33056   | 22 29 27.72 | -09 25 34.9 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 14.34028   | 22 26 43.90 | -11 26 02.3 |      | 4 809 | 1996 NN <sub>5</sub> | 1996 07 21.34375   | 22 29 27.40 | -09 25 38.3 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 14.35347   | 22 26 43.74 | -11 26 01.9 |      | 4 809 | 1996 NO <sub>5</sub> | * 1996 07 14.32708 | 22 32 26.70 | -11 28 38.6 | 18.3 | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 15.37708   | 22 26 28.10 | -11 24 49.9 |      | 4 809 | 1996 NO <sub>5</sub> | 1996 07 14.34028   | 22 32 26.54 | -11 28 40.4 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 15.39028   | 22 26 27.81 | -11 24 50.1 |      | 4 809 | 1996 NO <sub>5</sub> | 1996 07 14.35347   | 22 32 26.31 | -11 28 41.1 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 15.40347   | 22 26 27.49 | -11 24 50.2 |      | 4 809 | 1996 NO <sub>5</sub> | 1996 07 15.37708   | 22 32 12.46 | -11 30 12.4 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 21.31736   | 22 24 19.45 | -11 20 53.5 | 18.5 | 4 809 | 1996 NO <sub>5</sub> | 1996 07 15.39028   | 22 32 12.06 | -11 30 15.6 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 21.33056   | 22 24 19.04 | -11 20 53.1 |      | 4 809 | 1996 NO <sub>5</sub> | 1996 07 15.40347   | 22 32 11.89 | -11 30 16.7 |      | 4 809 |
| 1996 NH <sub>5</sub> | 1996 07 21.34375   | 22 24 18.61 | -11 20 53.2 |      | 4 809 | 1996 NP <sub>5</sub> | * 1996 07 14.32708 | 22 33 05.88 | -07 49 17.3 | 18.0 | 4 809 |
| 1996 NJ <sub>5</sub> | * 1996 07 14.32708 | 22 27 20.66 | -09 11 51.5 | 18.5 | 4 809 | 1996 NP <sub>5</sub> | 1996 07 14.34028   | 22 33 05.89 | -07 49 11.4 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 14.34028   | 22 27 20.39 | -09 11 51.4 |      | 4 809 | 1996 NP <sub>5</sub> | 1996 07 14.35347   | 22 33 05.85 | -07 49 05.7 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 14.35347   | 22 27 20.21 | -09 11 52.3 |      | 4 809 | 1996 NP <sub>5</sub> | 1996 07 15.37708   | 22 33 07.55 | -07 41 38.2 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 15.37708   | 22 27 04.51 | -09 12 35.4 |      | 4 809 | 1996 NP <sub>5</sub> | 1996 07 15.39028   | 22 33 07.55 | -07 41 33.5 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 15.39028   | 22 27 03.97 | -09 12 36.5 |      | 4 809 | 1996 NP <sub>5</sub> | 1996 07 15.40347   | 22 33 07.45 | -07 41 27.2 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 15.40347   | 22 27 03.78 | -09 12 37.7 |      | 4 809 | 1996 NQ <sub>5</sub> | * 1996 07 14.32708 | 22 38 34.81 | -08 27 52.1 | 18.4 | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 21.31736   | 22 25 03.09 | -09 19 36.0 | 18.5 | 4 809 | 1996 NQ <sub>5</sub> | 1996 07 14.34028   | 22 38 34.49 | -08 27 50.0 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 21.33056   | 22 25 02.68 | -09 19 36.7 |      | 4 809 | 1996 NQ <sub>5</sub> | 1996 07 14.35347   | 22 38 34.19 | -08 27 48.1 |      | 4 809 |
| 1996 NJ <sub>5</sub> | 1996 07 21.34375   | 22 25 02.31 | -09 19 38.8 |      | 4 809 | 1996 NQ <sub>5</sub> | 1996 07 15.37708   | 22 38 14.06 | -08 25 46.9 |      | 4 809 |
| 1996 NK <sub>5</sub> | * 1996 07 14.32708 | 22 27 22.60 | -09 02 06.9 | 18.3 | 4 809 | 1996 NQ <sub>5</sub> | 1996 07 15.39028   | 22 38 13.71 | -08 25 44.4 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 14.34028   | 22 27 22.31 | -09 02 09.1 |      | 4 809 | 1996 NQ <sub>5</sub> | 1996 07 15.40347   | 22 38 13.41 | -08 25 42.6 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 14.35347   | 22 27 22.07 | -09 02 09.6 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 14.32708   | 22 31 19.13 | -08 33 10.3 | 18.0 | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 15.37708   | 22 27 02.74 | -09 04 06.3 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 14.34028   | 22 31 19.15 | -08 33 15.8 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 15.39028   | 22 27 02.42 | -09 04 05.9 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 14.35347   | 22 31 19.17 | -08 33 22.6 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 15.40347   | 22 27 02.19 | -09 04 07.5 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 15.37708   | 22 31 22.71 | -08 41 39.0 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 21.31736   | 22 24 46.95 | -09 17 25.9 | 18.4 | 4 809 | 1996 PK <sub>2</sub> | 1996 07 15.39028   | 22 31 22.67 | -08 41 43.6 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 21.33056   | 22 24 46.60 | -09 17 28.5 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 15.40347   | 22 31 22.66 | -08 41 50.2 |      | 4 809 |
| 1996 NK <sub>5</sub> | 1996 07 21.34375   | 22 24 46.17 | -09 17 29.6 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 21.31736   | 22 31 10.36 | -09 35 03.3 | 18.4 | 4 809 |
| 1996 NL <sub>5</sub> | * 1996 07 14.32708 | 22 27 45.91 | -12 15 09.9 | 18.2 | 4 809 | 1996 PK <sub>2</sub> | 1996 07 21.33056   | 22 31 10.17 | -09 35 12.2 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 14.34028   | 22 27 45.65 | -12 15 10.4 |      | 4 809 | 1996 PK <sub>2</sub> | 1996 07 21.34375   | 22 31 10.07 | -09 35 19.7 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 14.35347   | 22 27 45.43 | -12 15 13.1 |      | 4 809 | 1996 PL <sub>2</sub> | 1996 07 14.32708   | 22 37 09.92 | -10 44 50.2 | 18.3 | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 15.37708   | 22 27 28.05 | -12 17 09.4 |      | 4 809 | 1996 PL <sub>2</sub> | 1996 07 14.34028   | 22 37 09.70 | -10 44 53.3 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 15.39028   | 22 27 27.69 | -12 17 12.3 |      | 4 809 | 1996 PL <sub>2</sub> | 1996 07 14.35347   | 22 37 09.56 | -10 44 55.5 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 15.40347   | 22 27 27.46 | -12 17 14.0 |      | 4 809 | 1996 PL <sub>2</sub> | 1996 07 15.37708   | 22 37 00.22 | -10 48 53.4 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 21.31736   | 22 25 18.08 | -12 31 02.9 | 18.4 | 4 809 | 1996 PL <sub>2</sub> | 1996 07 15.39028   | 22 37 00.15 | -10 48 53.9 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 21.33056   | 22 25 17.63 | -12 31 05.5 |      | 4 809 | 1996 PL <sub>2</sub> | 1996 07 15.40347   | 22 36 59.94 | -10 48 57.6 |      | 4 809 |
| 1996 NL <sub>5</sub> | 1996 07 21.34375   | 22 25 17.27 | -12 31 07.7 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 14.32708   | 22 33 37.44 | -11 01 33.6 | 18.4 | 4 809 |
| 1996 NM <sub>5</sub> | * 1996 07 14.32708 | 22 29 16.25 | -10 23 41.1 | 18.3 | 4 809 | 1996 PM <sub>4</sub> | 1996 07 14.34028   | 22 33 37.17 | -11 01 35.2 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 14.34028   | 22 29 16.04 | -10 23 39.3 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 14.35347   | 22 33 36.87 | -11 01 36.6 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 14.35347   | 22 29 15.77 | -10 23 36.5 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 15.37708   | 22 33 17.65 | -11 03 48.7 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 15.37708   | 22 29 00.76 | -10 20 50.0 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 15.39028   | 22 33 17.40 | -11 03 51.1 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 15.39028   | 22 29 00.58 | -10 20 46.9 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 15.40347   | 22 33 17.13 | -11 03 52.4 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 15.40347   | 22 29 00.27 | -10 20 44.9 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 21.31736   | 22 31 03.97 | -11 18 34.5 | 18.5 | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 21.31736   | 22 26 52.40 | -10 07 40.7 | 18.4 | 4 809 | 1996 PM <sub>4</sub> | 1996 07 21.33056   | 22 31 03.58 | -11 18 35.7 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 21.33056   | 22 26 51.97 | -10 07 39.1 |      | 4 809 | 1996 PM <sub>4</sub> | 1996 07 21.34375   | 22 31 03.18 | -11 18 38.5 |      | 4 809 |
| 1996 NM <sub>5</sub> | 1996 07 21.34375   | 22 26 51.54 | -10 07 37.6 |      | 4 809 | 1996 PB <sub>5</sub> | 1996 07 14.32708   | 22 27 42.18 | -08 33 00.0 | 18.0 | 4 809 |
| 1996 NN <sub>5</sub> | * 1996 07 14.32708 | 22 31 17.18 | -09 02 28.3 | 18.4 | 4 809 | 1996 PB <sub>5</sub> | 1996 07 14.34028   | 22 27 42.07 | -08 32 59.0 |      | 4 809 |
| 1996 NN <sub>5</sub> | 1996 07 14.34028   | 22 31 16.99 | -09 02 30.4 |      | 4 809 | 1996 PB <sub>5</sub> | 1996 07 14.35347   | 22 27 41.93 | -08 32 58.4 |      | 4 809 |
| 1996 NN <sub>5</sub> | 1996 07 14.35347   | 22 31 16.87 | -09 02 32.3 |      | 4 809 | 1996 PB <sub>5</sub> | 1996 07 15.37708   | 22 27 34.05 | -08 31 11.0 |      | 4 809 |
| 1996 NN <sub>5</sub> | 1996 07 15.37708   | 22 31 05.97 | -09 05 25.5 |      | 4 809 | 1996 PB <sub>5</sub> | 1996 07 15.39028   | 22 27 33.99 | -08 31 09.8 |      | 4 809 |

|                      |                  |             |             |      |       |        |                  |             |             |      |       |
|----------------------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| 1996 PB <sub>5</sub> | 1996 07 15.40347 | 22 27 33.89 | -08 31 09.2 |      | 4 809 | (1069) | 1996 07 21.33056 | 22 21 25.66 | -10 35 01.2 |      | 4 809 |
| 1996 PB <sub>5</sub> | 1996 07 21.31736 | 22 26 10.36 | -08 23 50.1 | 18.3 | 4 809 | (1069) | 1996 07 21.34375 | 22 21 25.28 | -10 35 05.9 |      | 4 809 |
| 1996 PB <sub>5</sub> | 1996 07 21.33056 | 22 26 10.02 | -08 23 50.3 |      | 4 809 | (1083) | 1996 05 19.14375 | 14 42 17.97 | -10 53 02.5 | 17.8 | 4 809 |
| 1996 PB <sub>5</sub> | 1996 07 21.34375 | 22 26 09.74 | -08 23 49.6 |      | 4 809 | (1083) | 1996 05 19.15694 | 14 42 17.20 | -10 53 01.3 |      | 4 809 |
| 1996 PW <sub>8</sub> | 1996 07 21.31736 | 22 10 15.94 | -11 06 20.3 | 18.2 | 4 809 | (1083) | 1996 05 19.17014 | 14 42 16.45 | -10 53 00.2 |      | 4 809 |
| 1996 PW <sub>8</sub> | 1996 07 21.33056 | 22 10 15.40 | -11 06 16.4 |      | 4 809 | (1163) | 1996 07 15.37708 | 22 37 29.34 | -12 09 34.9 |      | 4 809 |
| 1996 PW <sub>8</sub> | 1996 07 21.34375 | 22 10 14.78 | -11 06 13.7 |      | 4 809 | (1163) | 1996 07 15.39028 | 22 37 29.16 | -12 09 37.1 |      | 4 809 |
| 1996 RH <sub>1</sub> | 1996 09 22.19125 | 23 52 20.35 | +12 52 27.0 |      | 9 809 | (1163) | 1996 07 15.40347 | 22 37 28.95 | -12 09 40.0 |      | 4 809 |
| 1996 RH <sub>1</sub> | 1996 09 22.19338 | 23 52 20.20 | +12 52 26.4 |      | 9 809 | (1185) | 1996 05 19.14375 | 14 50 39.34 | -12 34 59.5 | 17.7 | 4 809 |
| 2778 P-L             | 1996 05 19.14375 | 14 29 23.43 | -12 12 48.6 | 18.4 | 4 809 | (1185) | 1996 05 19.15694 | 14 50 38.46 | -12 34 58.1 |      | 4 809 |
| 2778 P-L             | 1996 05 19.15694 | 14 29 22.70 | -12 12 46.2 |      | 4 809 | (1185) | 1996 05 19.17014 | 14 50 37.63 | -12 34 57.1 |      | 4 809 |
| 2778 P-L             | 1996 05 19.17014 | 14 29 22.07 | -12 12 43.3 |      | 4 809 | (1241) | 1996 07 14.32708 | 22 25 41.25 | -11 08 29.0 | 15.0 | 4 809 |
| 4030 P-L             | 1996 07 21.31736 | 22 14 21.39 | -08 50 28.6 | 18.4 | 4 809 | (1241) | 1996 07 14.34028 | 22 25 40.73 | -11 08 25.6 |      | 4 809 |
| 4030 P-L             | 1996 07 21.33056 | 22 14 21.00 | -08 50 29.1 |      | 4 809 | (1241) | 1996 07 14.35347 | 22 25 40.27 | -11 08 22.5 |      | 4 809 |
| 4030 P-L             | 1996 07 21.34375 | 22 14 20.60 | -08 50 29.7 |      | 4 809 | (1241) | 1996 07 21.31736 | 22 21 27.08 | -10 40 34.6 | 16.0 | 4 809 |
| 1102 T-1             | 1996 05 19.14375 | 14 29 42.85 | -11 51 48.4 | 18.4 | 4 809 | (1241) | 1996 07 21.33056 | 22 21 26.54 | -10 40 31.8 |      | 4 809 |
| 1102 T-1             | 1996 05 19.15694 | 14 29 42.20 | -11 51 42.2 |      | 4 809 | (1241) | 1996 07 21.34375 | 22 21 25.94 | -10 40 28.3 |      | 4 809 |
| 1102 T-1             | 1996 05 19.17014 | 14 29 41.59 | -11 51 37.2 |      | 4 809 | (1749) | 1996 07 14.32708 | 22 25 45.54 | -11 44 09.2 | 17.9 | 4 809 |
| 4090 T-2             | 1996 07 14.32708 | 22 39 05.31 | -12 21 15.2 | 18.3 | 4 809 | (1749) | 1996 07 14.34028 | 22 25 45.27 | -11 44 10.6 |      | 4 809 |
| 4090 T-2             | 1996 07 14.34028 | 22 39 05.09 | -12 21 19.2 |      | 4 809 | (1749) | 1996 07 14.35347 | 22 25 45.10 | -11 44 11.6 |      | 4 809 |
| 4090 T-2             | 1996 07 14.35347 | 22 39 04.92 | -12 21 21.9 |      | 4 809 | (1749) | 1996 07 15.37708 | 22 25 28.54 | -11 45 22.8 |      | 4 809 |
| (30)                 | 1996 07 21.31736 | 22 17 27.04 | -09 57 24.1 | 15.0 | 4 809 | (1749) | 1996 07 15.39028 | 22 25 28.29 | -11 45 22.7 |      | 4 809 |
| (30)                 | 1996 07 21.33056 | 22 17 26.65 | -09 57 24.8 |      | 4 809 | (1749) | 1996 07 15.40347 | 22 25 28.01 | -11 45 23.9 |      | 4 809 |
| (30)                 | 1996 07 21.34375 | 22 17 26.24 | -09 57 24.8 |      | 4 809 | (1749) | 1996 07 21.31736 | 22 23 39.52 | -11 53 46.4 | 18.3 | 4 809 |
| (62)                 | 1996 05 19.14375 | 14 34 52.81 | -12 02 03.6 | 17.0 | 4 809 | (1749) | 1996 07 21.33056 | 22 23 39.24 | -11 53 47.4 |      | 4 809 |
| (62)                 | 1996 05 19.15694 | 14 34 52.25 | -12 02 01.3 |      | 4 809 | (1749) | 1996 07 21.34375 | 22 23 38.88 | -11 53 48.9 |      | 4 809 |
| (62)                 | 1996 05 19.17014 | 14 34 51.64 | -12 01 58.7 |      | 4 809 | (2092) | 1996 05 19.14375 | 14 42 40.07 | -13 42 43.5 | 17.5 | 4 809 |
| (178)                | 1996 07 21.31736 | 22 27 42.14 | -12 55 11.7 | 16.0 | 4 809 | (2092) | 1996 05 19.15694 | 14 42 39.45 | -13 42 41.5 |      | 4 809 |
| (178)                | 1996 07 21.33056 | 22 27 41.71 | -12 55 14.7 |      | 4 809 | (2092) | 1996 05 19.17014 | 14 42 38.75 | -13 42 39.6 |      | 4 809 |
| (178)                | 1996 07 21.34375 | 22 27 41.26 | -12 55 16.9 |      | 4 809 | (2172) | 1996 05 19.14375 | 14 40 58.84 | -12 35 12.2 | 18.4 | 4 809 |
| (357)                | 1996 07 21.31736 | 22 12 34.02 | -12 02 31.1 | 16.0 | 4 809 | (2172) | 1996 05 19.15694 | 14 40 58.23 | -12 35 10.3 |      | 4 809 |
| (357)                | 1996 07 21.33056 | 22 12 33.67 | -12 02 36.9 |      | 4 809 | (2172) | 1996 05 19.17014 | 14 40 57.62 | -12 35 08.3 |      | 4 809 |
| (357)                | 1996 07 21.34375 | 22 12 33.30 | -12 02 42.6 |      | 4 809 | (2175) | 1996 05 19.14375 | 14 35 43.57 | -14 36 01.7 | 18.2 | 4 809 |
| (379)                | 1996 05 19.14375 | 14 42 24.22 | -13 44 53.2 | 16.8 | 4 809 | (2175) | 1996 05 19.15694 | 14 35 42.82 | -14 35 57.5 |      | 4 809 |
| (379)                | 1996 05 19.15694 | 14 42 23.69 | -13 44 50.4 |      | 4 809 | (2175) | 1996 05 19.17014 | 14 35 41.99 | -14 35 52.3 |      | 4 809 |
| (379)                | 1996 05 19.17014 | 14 42 23.02 | -13 44 47.2 |      | 4 809 | (2286) | 1996 05 19.14375 | 14 41 30.27 | -15 15 19.5 | 17.7 | 4 809 |
| (835)                | 1996 07 14.32708 | 22 27 17.58 | -08 32 42.1 | 17.0 | 4 809 | (2286) | 1996 05 19.15694 | 14 41 29.41 | -15 15 16.2 |      | 4 809 |
| (835)                | 1996 07 14.34028 | 22 27 17.32 | -08 32 42.7 |      | 4 809 | (2286) | 1996 05 19.17014 | 14 41 28.61 | -15 15 13.9 |      | 4 809 |
| (835)                | 1996 07 14.35347 | 22 27 17.14 | -08 32 42.3 |      | 4 809 | (2357) | 1996 05 19.14375 | 14 45 37.35 | -13 27 30.3 | 18.0 | 4 809 |
| (835)                | 1996 07 15.37708 | 22 27 00.74 | -08 32 55.4 |      | 4 809 | (2357) | 1996 05 19.15694 | 14 45 36.92 | -13 27 29.4 |      | 4 809 |
| (835)                | 1996 07 15.39028 | 22 27 00.45 | -08 32 55.7 |      | 4 809 | (2357) | 1996 05 19.17014 | 14 45 36.52 | -13 27 27.7 |      | 4 809 |
| (835)                | 1996 07 15.40347 | 22 27 00.22 | -08 32 56.1 |      | 4 809 | (2404) | 1996 07 14.32708 | 22 40 54.40 | -10 29 17.8 | 17.0 | 4 809 |
| (835)                | 1996 07 21.31736 | 22 25 00.57 | -08 36 03.4 | 17.9 | 4 809 | (2404) | 1996 07 14.34028 | 22 40 54.22 | -10 29 19.3 |      | 4 809 |
| (835)                | 1996 07 21.33056 | 22 25 00.18 | -08 36 03.8 |      | 4 809 | (2404) | 1996 07 14.35347 | 22 40 54.01 | -10 29 21.8 |      | 4 809 |
| (835)                | 1996 07 21.34375 | 22 24 59.83 | -08 36 04.5 |      | 4 809 | (2456) | 1996 07 21.31736 | 22 27 51.90 | -09 17 58.6 | 18.1 | 4 809 |
| (1069)               | 1996 07 14.32708 | 22 23 53.16 | -09 59 16.3 | 15.0 | 4 809 | (2456) | 1996 07 21.33056 | 22 27 51.58 | -09 17 58.5 |      | 4 809 |
| (1069)               | 1996 07 14.34028 | 22 23 52.88 | -09 59 20.5 |      | 4 809 | (2456) | 1996 07 21.34375 | 22 27 51.27 | -09 17 58.6 |      | 4 809 |
| (1069)               | 1996 07 14.35347 | 22 23 52.63 | -09 59 24.3 |      | 4 809 | (2563) | 1996 07 14.32708 | 22 41 21.32 | -09 46 40.1 | 18.2 | 4 809 |
| (1069)               | 1996 07 15.37708 | 22 23 34.32 | -10 04 14.8 |      | 4 809 | (2563) | 1996 07 14.34028 | 22 41 21.04 | -09 46 42.6 |      | 4 809 |
| (1069)               | 1996 07 15.39028 | 22 23 34.06 | -10 04 18.4 |      | 4 809 | (2563) | 1996 07 14.35347 | 22 41 20.86 | -09 46 43.7 |      | 4 809 |
| (1069)               | 1996 07 15.40347 | 22 23 33.77 | -10 04 21.6 |      | 4 809 | (2693) | 1996 05 19.14375 | 14 33 12.74 | -12 15 20.0 | 18.0 | 4 809 |
| (1069)               | 1996 07 21.31736 | 22 21 25.90 | -10 34 56.5 | 17.5 | 4 809 | (2693) | 1996 05 19.15694 | 14 33 11.92 | -12 15 19.2 |      | 4 809 |

|        |                  |             |             |      |       |        |                  |             |             |      |       |
|--------|------------------|-------------|-------------|------|-------|--------|------------------|-------------|-------------|------|-------|
| (2693) | 1996 05 19.17014 | 14 33 11.11 | -12 15 17.1 |      | 4 809 | (4398) | 1996 07 14.32708 | 22 35 31.36 | -12 23 11.3 | 18.0 | 4 809 |
| (3000) | 1996 05 19.14375 | 14 49 13.69 | -14 05 56.5 | 18.3 | 4 809 | (4398) | 1996 07 14.34028 | 22 35 31.16 | -12 23 14.7 |      | 4 809 |
| (3000) | 1996 05 19.15694 | 14 49 12.95 | -14 05 52.3 |      | 4 809 | (4398) | 1996 07 14.35347 | 22 35 31.04 | -12 23 18.1 |      | 4 809 |
| (3000) | 1996 05 19.17014 | 14 49 12.13 | -14 05 49.6 |      | 4 809 | (4398) | 1996 07 15.37708 | 22 35 19.95 | -12 27 31.6 |      | 4 809 |
| (3064) | 1996 05 19.14375 | 14 49 33.27 | -11 11 02.4 | 18.0 | 4 809 | (4398) | 1996 07 15.39028 | 22 35 19.75 | -12 27 34.5 |      | 4 809 |
| (3064) | 1996 05 19.15694 | 14 49 32.57 | -11 11 00.0 |      | 4 809 | (4398) | 1996 07 15.40347 | 22 35 19.51 | -12 27 37.5 |      | 4 809 |
| (3064) | 1996 05 19.17014 | 14 49 31.87 | -11 10 57.1 |      | 4 809 | (5664) | 1996 05 19.14375 | 14 34 28.21 | -11 15 10.5 | 18.4 | 4 809 |
| (3357) | 1996 07 21.31736 | 22 11 41.90 | -09 49 12.5 | 17.8 | 4 809 | (5664) | 1996 05 19.15694 | 14 34 27.52 | -11 15 06.0 |      | 4 809 |
| (3357) | 1996 07 21.33056 | 22 11 41.51 | -09 49 16.5 |      | 4 809 | (5664) | 1996 05 19.17014 | 14 34 26.83 | -11 15 02.2 |      | 4 809 |
| (3357) | 1996 07 21.34375 | 22 11 41.15 | -09 49 20.9 |      | 4 809 | (5850) | 1996 07 21.31736 | 22 28 31.77 | -11 22 33.3 | 18.1 | 4 809 |
| (3433) | 1996 07 21.31736 | 22 19 44.60 | -12 59 14.5 | 18.0 | 4 809 | (5850) | 1996 07 21.33056 | 22 28 31.57 | -11 22 35.9 |      | 4 809 |
| (3433) | 1996 07 21.33056 | 22 19 44.15 | -12 59 15.7 |      | 4 809 | (5850) | 1996 07 21.34375 | 22 28 31.39 | -11 22 38.3 |      | 4 809 |
| (3433) | 1996 07 21.34375 | 22 19 43.70 | -12 59 16.8 |      | 4 809 | (5904) | 1996 07 21.31736 | 22 12 49.39 | -10 30 39.8 | 18.4 | 4 809 |
| (3500) | 1996 07 14.32708 | 22 30 41.82 | -09 40 02.2 | 17.5 | 4 809 | (5904) | 1996 07 21.33056 | 22 12 48.96 | -10 30 41.6 |      | 4 809 |
| (3500) | 1996 07 14.34028 | 22 30 41.83 | -09 39 58.1 |      | 4 809 | (5904) | 1996 07 21.34375 | 22 12 48.48 | -10 30 42.4 |      | 4 809 |
| (3500) | 1996 07 14.35347 | 22 30 41.83 | -09 39 55.7 |      | 4 809 | (6002) | 1996 05 19.14375 | 14 33 46.79 | -10 30 58.7 | 18.4 | 4 809 |
| (3500) | 1996 07 15.37708 | 22 30 45.20 | -09 35 30.4 |      | 4 809 | (6002) | 1996 05 19.15694 | 14 33 46.49 | -10 30 55.3 |      | 4 809 |
| (3500) | 1996 07 15.39028 | 22 30 45.18 | -09 35 27.1 |      | 4 809 | (6002) | 1996 05 19.17014 | 14 33 46.10 | -10 30 52.8 |      | 4 809 |
| (3500) | 1996 07 15.40347 | 22 30 45.16 | -09 35 24.2 |      | 4 809 | (6300) | 1996 05 19.14375 | 14 39 09.96 | -14 23 51.8 | 18.4 | 4 809 |
| (3500) | 1996 07 21.31736 | 22 30 20.25 | -09 12 43.2 | 17.0 | 4 809 | (6300) | 1996 05 19.15694 | 14 39 09.28 | -14 23 50.2 |      | 4 809 |
| (3500) | 1996 07 21.33056 | 22 30 20.06 | -09 12 40.4 |      | 4 809 | (6300) | 1996 05 19.17014 | 14 39 08.72 | -14 23 48.0 |      | 4 809 |
| (3500) | 1996 07 21.34375 | 22 30 19.83 | -09 12 38.0 |      | 4 809 | (6408) | 1996 07 21.31736 | 22 10 30.39 | -08 59 52.6 | 18.4 | 4 809 |
| (3546) | 1996 07 14.32708 | 22 31 03.08 | -12 13 47.2 | 17.8 | 4 809 | (6408) | 1996 07 21.33056 | 22 10 30.00 | -08 59 54.6 |      | 4 809 |
| (3546) | 1996 07 14.34028 | 22 31 02.77 | -12 13 47.3 |      | 4 809 | (6408) | 1996 07 21.34375 | 22 10 29.58 | -08 59 56.2 |      | 4 809 |
| (3546) | 1996 07 14.35347 | 22 31 02.41 | -12 13 48.0 |      | 4 809 | (6424) | 1996 07 21.31736 | 22 29 32.70 | -09 17 45.9 | 18.3 | 4 809 |
| (3546) | 1996 07 15.37708 | 22 30 41.20 | -12 14 06.0 |      | 4 809 | (6424) | 1996 07 21.33056 | 22 29 32.47 | -09 17 50.2 |      | 4 809 |
| (3546) | 1996 07 15.39028 | 22 30 40.89 | -12 14 07.6 |      | 4 809 | (6424) | 1996 07 21.34375 | 22 29 32.16 | -09 17 54.3 |      | 4 809 |
| (3546) | 1996 07 15.40347 | 22 30 40.57 | -12 14 06.8 |      | 4 809 | (6432) | 1996 07 14.32708 | 22 22 44.91 | -10 51 21.4 | 17.8 | 4 809 |
| (3546) | 1996 07 21.31736 | 22 28 07.95 | -12 18 16.5 | 18.2 | 4 809 | (6432) | 1996 07 14.34028 | 22 22 44.72 | -10 51 24.4 |      | 4 809 |
| (3546) | 1996 07 21.33056 | 22 28 07.47 | -12 18 17.8 |      | 4 809 | (6432) | 1996 07 14.35347 | 22 22 44.54 | -10 51 26.2 |      | 4 809 |
| (3546) | 1996 07 21.34375 | 22 28 07.02 | -12 18 18.4 |      | 4 809 | (6432) | 1996 07 15.37708 | 22 22 31.24 | -10 54 27.9 |      | 4 809 |
| (3705) | 1996 05 19.14375 | 14 44 37.72 | -14 01 25.4 | 18.4 | 4 809 | (6432) | 1996 07 15.39028 | 22 22 31.00 | -10 54 31.6 |      | 4 809 |
| (3705) | 1996 05 19.15694 | 14 44 37.12 | -14 01 23.3 |      | 4 809 | (6432) | 1996 07 15.40347 | 22 22 30.76 | -10 54 32.9 |      | 4 809 |
| (3705) | 1996 05 19.17014 | 14 44 36.50 | -14 01 21.2 |      | 4 809 | (6432) | 1996 07 21.31736 | 22 20 45.73 | -11 15 22.0 | 18.1 | 4 809 |
| (3789) | 1996 05 19.14375 | 14 41 06.33 | -13 07 13.3 | 18.5 | 4 809 | (6432) | 1996 07 21.33056 | 22 20 45.39 | -11 15 25.3 |      | 4 809 |
| (3789) | 1996 05 19.15694 | 14 41 05.72 | -13 07 11.5 |      | 4 809 | (6432) | 1996 07 21.34375 | 22 20 45.04 | -11 15 28.1 |      | 4 809 |
| (3789) | 1996 05 19.17014 | 14 41 05.20 | -13 07 10.0 |      | 4 809 | (6565) | 1996 07 21.31736 | 22 20 24.36 | -08 59 10.1 | 18.3 | 4 809 |
| (3961) | 1996 07 14.32708 | 22 22 15.00 | -10 22 07.8 | 17.0 | 4 809 | (6565) | 1996 07 21.33056 | 22 20 23.88 | -08 59 12.5 |      | 4 809 |
| (3961) | 1996 07 14.34028 | 22 22 14.65 | -10 22 04.2 |      | 4 809 | (6565) | 1996 07 21.34375 | 22 20 23.45 | -08 59 15.5 |      | 4 809 |
| (3961) | 1996 07 14.35347 | 22 22 14.25 | -10 22 00.5 |      | 4 809 | (7026) | 1996 05 19.14375 | 14 47 20.54 | -10 32 11.2 | 18.1 | 4 809 |
| (3961) | 1996 07 21.31736 | 22 18 34.95 | -09 52 31.0 | 17.0 | 4 809 | (7026) | 1996 05 19.15694 | 14 47 19.72 | -10 32 10.3 |      | 4 809 |
| (3961) | 1996 07 21.33056 | 22 18 34.40 | -09 52 28.1 |      | 4 809 | (7026) | 1996 05 19.17014 | 14 47 19.01 | -10 32 07.5 |      | 4 809 |
| (3961) | 1996 07 21.34375 | 22 18 33.83 | -09 52 25.6 |      | 4 809 | (7164) | 1996 07 14.32708 | 22 22 56.28 | -11 19 10.1 | 17.8 | 4 809 |
| (4115) | 1996 05 19.14375 | 14 47 04.47 | -10 47 46.8 | 18.2 | 4 809 | (7164) | 1996 07 14.34028 | 22 22 55.98 | -11 19 14.5 |      | 4 809 |
| (4115) | 1996 05 19.15694 | 14 47 03.83 | -10 47 42.6 |      | 4 809 | (7164) | 1996 07 14.35347 | 22 22 55.67 | -11 19 17.8 |      | 4 809 |
| (4115) | 1996 05 19.17014 | 14 47 03.27 | -10 47 38.6 |      | 4 809 | (7164) | 1996 07 15.37708 | 22 22 35.54 | -11 23 40.0 |      | 4 809 |
| (4238) | 1996 07 21.31736 | 22 30 07.01 | -09 13 49.8 | 18.2 | 4 809 | (7164) | 1996 07 15.39028 | 22 22 35.20 | -11 23 43.5 |      | 4 809 |
| (4238) | 1996 07 21.33056 | 22 30 06.66 | -09 13 52.2 |      | 4 809 | (7164) | 1996 07 15.40347 | 22 22 34.95 | -11 23 46.0 |      | 4 809 |
| (4238) | 1996 07 21.34375 | 22 30 06.30 | -09 13 55.0 |      | 4 809 | (7164) | 1996 07 21.31736 | 22 20 04.24 | -11 52 48.2 | 18.3 | 4 809 |
| (4239) | 1996 07 21.31736 | 22 19 31.77 | -09 28 23.3 | 18.0 | 4 809 | (7164) | 1996 07 21.33056 | 22 20 03.76 | -11 52 52.4 |      | 4 809 |
| (4239) | 1996 07 21.33056 | 22 19 31.52 | -09 28 23.1 |      | 4 809 | (7164) | 1996 07 21.34375 | 22 20 03.29 | -11 52 56.4 |      | 4 809 |
| (4239) | 1996 07 21.34375 | 22 19 31.29 | -09 28 21.9 |      | 4 809 |        |                  |             |             |      |       |

**816 Rand Observatory**

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0.37-m  $f/6$  reflector + CCD

GSC

|                      |                  |             |             |        |     |                      |                    |             |             |        |       |
|----------------------|------------------|-------------|-------------|--------|-----|----------------------|--------------------|-------------|-------------|--------|-------|
| 1975 SF <sub>1</sub> | 1996 10 06.24594 | 02 33 28.14 | +15 19 18.4 | 17.0 R | 816 | 1996 SQ <sub>7</sub> | 1996 10 07.07466   | 23 40 16.51 | +06 34 19.0 | 18.1 R | 816   |
| 1975 SF <sub>1</sub> | 1996 10 06.24946 | 02 33 27.97 | +15 19 18.2 | 16.9 R | 816 | 1996 TB <sub>1</sub> | * 1996 10 05.17274 | 01 44 39.26 | +11 05 59.3 | 19.3 R | 816   |
| 1975 SF <sub>1</sub> | 1996 10 06.25263 | 02 33 27.81 | +15 19 18.2 | 16.9 R | 816 | 1996 TB <sub>1</sub> | 1996 10 05.17650   | 01 44 39.10 | +11 05 58.1 | 19.0 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 05.14951 | 01 06 06.08 | +06 45 54.2 | 17.1 R | 816 | 1996 TB <sub>1</sub> | 1996 10 05.18231   | 01 44 38.74 | +11 05 56.2 | 19.2 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 05.15323 | 01 06 05.89 | +06 45 53.6 | 17.1 R | 816 | 1996 TB <sub>1</sub> | 1996 10 06.23058   | 01 43 49.14 | +11 01 00.1 | 18.7 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 05.15988 | 01 06 05.57 | +06 45 52.5 | 17.1 R | 816 | 1996 TB <sub>1</sub> | 1996 10 06.23377   | 01 43 48.99 | +11 00 58.9 | 19.0 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 06.15598 | 01 05 18.42 | +06 43 01.5 | 17.0 R | 816 | 1996 TB <sub>1</sub> | 1996 10 06.23685   | 01 43 48.86 | +11 00 59.1 | 19.0 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 06.15948 | 01 05 18.25 | +06 43 00.9 | 16.9 R | 816 | 1996 TB <sub>1</sub> | 1996 10 07.15403   | 01 43 04.98 | +10 56 36.3 | 18.7 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 06.16302 | 01 05 18.08 | +06 42 59.9 | 16.9 R | 816 | 1996 TB <sub>1</sub> | 1996 10 07.17046   | 01 43 04.21 | +10 56 30.6 | 17.8 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 06.16826 | 01 05 17.81 | +06 42 59.1 | 16.9 R | 816 | 1996 TN <sub>1</sub> | * 1996 10 06.09207 | 23 40 52.84 | +06 37 39.6 | 18.7 R | W 816 |
| 1984 SR <sub>5</sub> | 1996 10 07.13272 | 01 04 32.04 | +06 40 12.5 | 16.6 R | 816 | 1996 TN <sub>1</sub> | 1996 10 06.09561   | 23 40 52.69 | +06 37 38.9 | 19.3 R | 816   |
| 1984 SR <sub>5</sub> | 1996 10 07.13628 | 01 04 31.87 | +06 40 11.9 | 16.5 R | 816 | 1996 TN <sub>1</sub> | 1996 10 06.09862   | 23 40 52.53 | +06 37 37.4 | 19.5 R | W 816 |
| 1984 SR <sub>5</sub> | 1996 10 07.13936 | 01 04 31.71 | +06 40 11.3 | 16.6 R | 816 | 1996 TN <sub>1</sub> | 1996 10 06.10516   | 23 40 52.15 | +06 37 35.0 | 19.1 R | 816   |
| 1992 WX <sub>2</sub> | 1996 10 05.17274 | 01 44 22.36 | +11 06 36.9 | 17.3 R | 816 | 1996 TN <sub>1</sub> | 1996 10 07.05618   | 23 40 06.45 | +06 32 38.7 | 18.6 R | 816   |
| 1992 WX <sub>2</sub> | 1996 10 05.17650 | 01 44 22.17 | +11 06 35.7 | 17.4 R | 816 | 1996 TN <sub>1</sub> | 1996 10 07.05927   | 23 40 06.25 | +06 32 39.3 | 19.1 R | W 816 |
| 1992 WX <sub>2</sub> | 1996 10 05.18231 | 01 44 21.90 | +11 06 33.7 | 17.3 R | 816 | 1996 TN <sub>1</sub> | 1996 10 07.07466   | 23 40 05.67 | +06 32 33.5 | 19.0 R | W 816 |
| 1992 WX <sub>2</sub> | 1996 10 06.23058 | 01 43 32.92 | +11 00 41.3 | 17.5 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 05.14951   | 01 05 49.75 | +06 48 55.5 | 19.1 R | W 816 |
| 1992 WX <sub>2</sub> | 1996 10 06.23377 | 01 43 32.77 | +11 00 40.3 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 05.15323   | 01 05 49.60 | +06 48 54.6 | 19.0 R | W 816 |
| 1992 WX <sub>2</sub> | 1996 10 06.23685 | 01 43 32.62 | +11 00 39.2 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 05.15988   | 01 05 49.25 | +06 48 53.4 | 19.0 R | 816   |
| 1992 WX <sub>2</sub> | 1996 10 07.15403 | 01 42 49.34 | +10 55 25.6 | 17.1 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 06.15598   | 01 05 02.28 | +06 44 37.2 | 18.3 R | 816   |
| 1992 WX <sub>2</sub> | 1996 10 07.15704 | 01 42 49.19 | +10 55 24.6 | 17.2 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 06.15948   | 01 05 02.18 | +06 44 36.0 | 18.4 R | 816   |
| 1992 WX <sub>2</sub> | 1996 10 07.16002 | 01 42 49.04 | +10 55 23.5 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 06.16302   | 01 05 01.97 | +06 44 34.2 | 18.1 R | 816   |
| 1992 WX <sub>2</sub> | 1996 10 07.17046 | 01 42 48.52 | +10 55 19.9 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 06.16826   | 01 05 01.76 | +06 44 33.6 | 18.6 R | 816   |
| 1993 VY <sub>1</sub> | 1996 10 06.13042 | 00 00 15.34 | -04 47 03.1 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 07.13272   | 01 04 16.12 | +06 40 23.5 | 18.5 R | 816   |
| 1993 VY <sub>1</sub> | 1996 10 06.13340 | 00 00 15.18 | -04 47 03.5 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 07.13628   | 01 04 15.94 | +06 40 23.1 | 18.7 R | 816   |
| 1993 VY <sub>1</sub> | 1996 10 06.13742 | 00 00 14.95 | -04 47 04.1 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 07.13936   | 01 04 15.82 | +06 40 23.1 | 18.5 R | 816   |
| 1993 VY <sub>1</sub> | 1996 10 06.14215 | 00 00 14.67 | -04 47 04.9 | 17.3 R | 816 | 1996 TJ <sub>3</sub> | 1996 10 07.14384   | 01 04 15.58 | +06 40 21.8 | 18.1 R | 816   |
| 1993 VY <sub>1</sub> | 1996 10 07.08609 | 23 59 21.91 | -04 49 23.2 | 17.3 R | 816 | 1996 TK <sub>3</sub> | 1996 10 05.14951   | 01 06 12.09 | +06 49 43.7 | 19.4 R | W 816 |
| 1993 VY <sub>1</sub> | 1996 10 07.08932 | 23 59 21.70 | -04 49 23.8 | 17.4 R | 816 | 1996 TK <sub>3</sub> | 1996 10 05.15323   | 01 06 11.84 | +06 49 43.0 | 19.2 R | 816   |
| 1993 VY <sub>1</sub> | 1996 10 07.09660 | 23 59 21.30 | -04 49 25.0 | 17.3 R | 816 | 1996 TK <sub>3</sub> | 1996 10 05.15988   | 01 06 11.50 | +06 49 41.0 | 19.0 R | 816   |
| 1996 PB <sub>1</sub> | 1996 10 12.04336 | 22 15 05.99 | -10 07 36.2 | 18.2 R | 816 | 1996 TK <sub>3</sub> | 1996 10 06.15598   | 01 05 18.43 | +06 45 47.5 | 18.9 R | W 816 |
| 1996 PB <sub>1</sub> | 1996 10 12.04649 | 22 15 06.04 | -10 07 35.8 | 18.5 R | 816 | 1996 TK <sub>3</sub> | 1996 10 06.15948   | 01 05 18.32 | +06 45 46.9 | 18.9 R | 816   |
| 1996 PB <sub>1</sub> | 1996 10 12.06656 | 22 15 06.27 | -10 07 31.8 | 19.5 R | 816 | 1996 TK <sub>3</sub> | 1996 10 06.16826   | 01 05 17.86 | +06 45 44.2 | 19.0 R | 816   |
| 1996 PB <sub>1</sub> | 1996 10 12.07168 | 22 15 06.36 | -10 07 30.4 | 19.2 R | 816 | 1996 TK <sub>3</sub> | 1996 10 07.14384   | 01 04 25.57 | +06 41 55.1 | 18.8 R | 816   |
| 1996 QN <sub>1</sub> | 1996 10 02.11416 | 22 29 26.30 | -07 08 37.1 | 18.2 R | 816 | 1996 TY <sub>4</sub> | * 1996 10 06.15598 | 01 05 54.77 | +06 43 59.3 | 17.9 R | 816   |
| 1996 QN <sub>1</sub> | 1996 10 02.11736 | 22 29 26.17 | -07 08 37.5 | 18.7 R | 816 | 1996 TY <sub>4</sub> | 1996 10 06.15948   | 01 05 54.56 | +06 43 59.1 | 18.3 R | 816   |
| 1996 QN <sub>1</sub> | 1996 10 02.12872 | 22 29 25.83 | -07 08 37.2 | 18.4 R | 816 | 1996 TY <sub>4</sub> | 1996 10 07.13272   | 01 04 54.89 | +06 42 47.3 | 17.6 R | 816   |
| 1996 QN <sub>1</sub> | 1996 10 02.13458 | 22 29 25.61 | -07 08 37.5 | 18.4 R | 816 | 1996 TY <sub>4</sub> | 1996 10 07.13628   | 01 04 54.65 | +06 42 47.3 | 17.7 R | 816   |
| 1996 SR              | 1996 10 02.07459 | 22 14 38.91 | -11 26 27.2 | 18.6 R | 816 | 1996 TY <sub>4</sub> | 1996 10 07.13936   | 01 04 54.44 | +06 42 46.7 | 17.6 R | 816   |
| 1996 SR              | 1996 10 02.10481 | 22 14 38.64 | -11 26 34.0 | 18.3 R | 816 | 1996 TY <sub>4</sub> | 1996 10 07.14384   | 01 04 54.18 | +06 42 46.5 | 17.5 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 06.09207 | 23 40 44.05 | +06 36 53.0 | 18.3 R | 816 | 1996 TY <sub>4</sub> | 1996 10 18.11373   | 00 53 38.53 | +06 28 47.8 | 17.7 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 06.09561 | 23 40 43.96 | +06 36 52.4 | 17.9 R | 816 | 1996 TY <sub>4</sub> | 1996 10 18.11704   | 00 53 38.33 | +06 28 47.5 | 17.8 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 06.09862 | 23 40 43.89 | +06 36 51.8 | 18.2 R | 816 | 1996 TY <sub>4</sub> | 1996 10 18.12300   | 00 53 37.97 | +06 28 47.1 | 17.7 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 06.10516 | 23 40 43.70 | +06 36 50.8 | 18.1 R | 816 | 1996 TY <sub>4</sub> | 1996 10 18.12718   | 00 53 37.71 | +06 28 46.9 | 17.7 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 07.05618 | 23 40 17.08 | +06 34 22.7 | 18.1 R | 816 | 1996 TB <sub>5</sub> | * 1996 10 06.23058 | 01 43 12.28 | +11 07 07.4 | 18.3 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 07.05927 | 23 40 16.95 | +06 34 22.0 | 18.0 R | 816 | 1996 TB <sub>5</sub> | 1996 10 06.23377   | 01 43 12.17 | +11 07 05.1 | 18.2 R | 816   |
| 1996 SQ <sub>7</sub> | 1996 10 07.06600 | 23 40 16.72 | +06 34 20.5 | 18.0 R | 816 | 1996 TB <sub>5</sub> | 1996 10 06.23685   | 01 43 12.05 | +11 07 03.0 | 18.4 R | 816   |
|                      |                  |             |             |        |     | 1996 TB <sub>5</sub> | 1996 10 06.32140   | 01 43 08.89 | +11 06 09.3 | 18.0 R | 816   |
|                      |                  |             |             |        |     | 1996 TB <sub>5</sub> | 1996 10 06.32529   | 01 43 08.83 | +11 06 06.3 | 18.3 R | 816   |
|                      |                  |             |             |        |     | 1996 TB <sub>5</sub> | 1996 10 07.15403   | 01 42 39.37 | +10 57 07.7 | 17.6 R | 816   |
|                      |                  |             |             |        |     | 1996 TB <sub>5</sub> | 1996 10 07.15704   | 01 42 39.25 | +10 57 06.0 | 18.1 R | 816   |
|                      |                  |             |             |        |     | 1996 TB <sub>5</sub> | 1996 10 07.16002   | 01 42 39.14 | +10 57 04.0 | 17.9 R | 816   |

|                      |                  |             |             |        |       |
|----------------------|------------------|-------------|-------------|--------|-------|
| 1996 TB <sub>5</sub> | 1996 10 07.17046 | 01 42 38.76 | +10 56 57.3 | 17.2 R | 816   |
| 1996 TB <sub>5</sub> | 1996 10 18.15891 | 01 35 37.30 | +08 53 39.7 | 17.9 R | 816   |
| 1996 TB <sub>5</sub> | 1996 10 18.16241 | 01 35 37.16 | +08 53 37.2 | 18.4 R | 816   |
| 1996 TB <sub>5</sub> | 1996 10 18.17030 | 01 35 36.83 | +08 53 31.8 | 18.1 R | 816   |
| 1996 TB <sub>5</sub> | 1996 10 18.17502 | 01 35 36.61 | +08 53 28.3 | 17.9 R | 816   |
| 1996 TD <sub>5</sub> | 1996 10 06.15598 | 01 05 23.23 | +06 47 49.5 | 18.4 R | W 816 |
| 1996 TD <sub>5</sub> | 1996 10 06.15948 | 01 05 22.93 | +06 47 48.7 | 18.9 R | V 816 |
| 1996 TD <sub>5</sub> | 1996 10 06.16302 | 01 05 22.82 | +06 47 46.7 | 18.9 R | 816   |

**817 Sudbury**

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Measurer D. di Cicco

0.41-m Schmidt-Cassegrain + CCD

GSC

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RL              | 1996 10 16.01949   | 00 33 39.39 | +05 40 34.4 | 17.8 R | 817 |
| 1996 RL              | 1996 10 16.03612   | 00 33 38.67 | +05 40 26.7 | 17.5 R | 817 |
| 1996 RL              | 1996 10 16.05603   | 00 33 37.81 | +05 40 16.9 | 17.6 R | 817 |
| 1996 RX <sub>4</sub> | 1996 10 01.11134   | 00 28 44.63 | +03 10 08.8 | 17.0 R | 817 |
| 1996 RX <sub>4</sub> | 1996 10 01.14050   | 00 28 43.09 | +03 10 03.2 | 16.7 R | 817 |
| 1996 RX <sub>4</sub> | 1996 10 01.17220   | 00 28 41.26 | +03 09 57.0 | 17.0 R | 817 |
| 1996 RX <sub>4</sub> | 1996 10 02.11241   | 00 27 52.48 | +03 07 01.8 | 17.1 R | 817 |
| 1996 RX <sub>4</sub> | 1996 10 02.12980   | 00 27 51.52 | +03 06 58.8 | 17.1 R | 817 |
| 1996 RX <sub>4</sub> | 1996 10 02.14748   | 00 27 50.55 | +03 06 55.4 | 16.9 R | 817 |
| 1996 SQ              | 1996 10 02.03478   | 23 30 28.60 | -00 56 54.1 | 18.5 R | 817 |
| 1996 SQ              | 1996 10 02.05166   | 23 30 27.82 | -00 56 56.7 | 18.3 R | 817 |
| 1996 SQ              | 1996 10 02.06515   | 23 30 27.25 | -00 56 58.1 | 18.4 R | 817 |
| 1996 TA              | * 1996 10 01.11528 | 00 28 52.80 | +03 26 25.9 | 17.2 R | 817 |
| 1996 TA              | 1996 10 01.14428   | 00 28 50.83 | +03 26 31.3 | 17.2 R | 817 |
| 1996 TA              | 1996 10 01.17617   | 00 28 48.57 | +03 26 38.3 | 17.3 R | 817 |
| 1996 TA              | 1996 10 02.11803   | 00 27 44.80 | +03 29 35.5 | 16.9 R | 817 |
| 1996 TA              | 1996 10 02.13413   | 00 27 43.63 | +03 29 38.2 | 17.5 R | 817 |
| 1996 TA              | 1996 10 02.15174   | 00 27 42.40 | +03 29 42.1 | 17.2 R | 817 |
| 1996 TA              | 1996 10 08.06347   | 00 21 03.00 | +03 48 30.1 | 18.4 R | 817 |
| 1996 TA              | 1996 10 08.08684   | 00 21 01.55 | +03 48 33.5 | 18.1 R | 817 |
| 1996 TA              | 1996 10 08.12948   | 00 20 58.63 | +03 48 43.9 | 18.6 R | 817 |
| 1996 TA              | 1996 10 08.15493   | 00 20 56.76 | +03 48 47.3 | 17.7 R | 817 |
| 1996 TB              | * 1996 10 01.11936 | 00 28 38.30 | +03 33 41.0 | 18.5 R | 817 |
| 1996 TB              | 1996 10 01.14823   | 00 28 36.80 | +03 33 38.3 | 17.6 R | 817 |
| 1996 TB              | 1996 10 01.18626   | 00 28 34.81 | +03 33 32.0 | 17.3 R | 817 |
| 1996 TB              | 1996 10 02.11803   | 00 27 47.07 | +03 31 14.8 | 17.7 R | 817 |
| 1996 TB              | 1996 10 02.13413   | 00 27 46.26 | +03 31 12.7 | 17.8 R | 817 |
| 1996 TB              | 1996 10 02.15174   | 00 27 45.39 | +03 31 06.9 | 17.3 R | 817 |
| 1996 TC              | * 1996 10 01.11936 | 00 29 34.13 | +03 38 02.1 | 17.0 R | 817 |
| 1996 TC              | 1996 10 01.14823   | 00 29 32.78 | +03 37 53.6 | 17.0 R | 817 |
| 1996 TC              | 1996 10 01.18028   | 00 29 31.28 | +03 37 44.3 | 16.8 R | 817 |
| 1996 TC              | 1996 10 01.18626   | 00 29 31.00 | +03 37 43.0 | 16.7 R | 817 |
| 1996 TC              | 1996 10 02.12306   | 00 28 48.15 | +03 33 14.5 | 17.5 R | 817 |
| 1996 TC              | 1996 10 02.13840   | 00 28 47.40 | +03 33 10.1 | 17.3 R | 817 |
| 1996 TC              | 1996 10 02.15606   | 00 28 46.55 | +03 33 05.1 | 17.3 R | 817 |
| 1996 TS              | * 1996 10 04.12780 | 00 40 09.67 | +05 04 27.6 | 17.4 R | 817 |
| 1996 TS              | 1996 10 04.16832   | 00 40 07.70 | +05 04 14.5 | 17.3 R | 817 |

|         |                    |             |             |        |     |
|---------|--------------------|-------------|-------------|--------|-----|
| 1996 TS | 1996 10 04.19748   | 00 40 06.27 | +05 04 04.8 | 17.5 R | 817 |
| 1996 TS | 1996 10 04.21323   | 00 40 05.50 | +05 03 59.7 | 17.3 R | 817 |
| 1996 TS | 1996 10 05.10858   | 00 39 23.21 | +04 59 00.3 | 17.5 R | 817 |
| 1996 TS | 1996 10 05.13988   | 00 39 21.71 | +04 58 50.0 | 17.1 R | 817 |
| 1996 TS | 1996 10 05.16492   | 00 39 20.47 | +04 58 41.5 | 17.4 R | 817 |
| 1996 TS | 1996 10 05.19679   | 00 39 18.92 | +04 58 30.9 | 17.5 R | 817 |
| 1996 TS | 1996 10 06.12242   | 00 38 35.31 | +04 53 21.7 | 17.9 R | 817 |
| 1996 TS | 1996 10 06.15516   | 00 38 33.69 | +04 53 10.7 | 17.2 R | 817 |
| 1996 TS | 1996 10 06.18111   | 00 38 32.41 | +04 53 02.0 | 17.6 R | 817 |
| 1996 TV | * 1996 10 05.10858 | 00 39 26.80 | +04 54 04.2 | 18.0 R | 817 |
| 1996 TV | 1996 10 05.13988   | 00 39 25.28 | +04 53 52.1 | 17.9 R | 817 |
| 1996 TV | 1996 10 05.16492   | 00 39 24.05 | +04 53 42.5 | 18.1 R | 817 |
| 1996 TV | 1996 10 05.19679   | 00 39 22.52 | +04 53 30.7 | 18.2 R | 817 |
| 1996 TV | 1996 10 06.15516   | 00 38 37.30 | +04 47 18.2 | 18.1 R | 817 |
| 1996 TV | 1996 10 06.18111   | 00 38 36.04 | +04 47 07.7 | 18.3 R | 817 |
| 1996 TW | * 1996 10 05.11921 | 00 39 49.87 | +05 52 14.3 | 17.6 R | 817 |
| 1996 TW | 1996 10 05.12365   | 00 39 49.70 | +05 52 12.4 | 16.8 R | 817 |
| 1996 TW | 1996 10 05.14764   | 00 39 48.86 | +05 52 11.8 | 17.2 R | 817 |
| 1996 TW | 1996 10 05.15221   | 00 39 48.68 | +05 52 10.9 | 16.9 R | 817 |
| 1996 TW | 1996 10 05.20275   | 00 39 46.91 | +05 52 07.6 | 17.1 R | 817 |
| 1996 TW | 1996 10 05.20707   | 00 39 46.65 | +05 52 06.9 | 16.9 R | 817 |
| 1996 TW | 1996 10 06.14084   | 00 39 14.21 | +05 50 52.8 | 17.2 R | 817 |
| 1996 TW | 1996 10 06.16356   | 00 39 13.39 | +05 50 51.0 | 17.5 R | 817 |
| 1996 TW | 1996 10 06.18983   | 00 39 12.46 | +05 50 48.9 | 17.2 R | 817 |
| 1996 TW | 1996 10 06.22007   | 00 39 11.38 | +05 50 46.5 | 17.2 R | 817 |
| 1996 TW | 1996 10 07.11981   | 00 38 40.11 | +05 49 34.7 | 17.3 R | 817 |
| 1996 TW | 1996 10 07.13501   | 00 38 39.58 | +05 49 33.4 | 17.4 R | 817 |
| 1996 TW | 1996 10 07.14558   | 00 38 39.18 | +05 49 32.6 | 17.2 R | 817 |
| 1996 TW | 1996 10 16.01949   | 00 33 36.78 | +05 37 52.7 | 17.7 R | 817 |
| 1996 TW | 1996 10 16.03612   | 00 33 36.20 | +05 37 51.2 | 17.4 R | 817 |
| 1996 TW | 1996 10 16.05603   | 00 33 35.53 | +05 37 50.0 | 17.5 R | 817 |
| 1996 TX | * 1996 10 05.11921 | 00 39 52.87 | +05 42 19.6 | 17.3 R | 817 |
| 1996 TX | 1996 10 05.14764   | 00 39 51.37 | +05 42 12.4 | 17.5 R | 817 |
| 1996 TX | 1996 10 05.20275   | 00 39 48.49 | +05 41 57.6 | 17.3 R | 817 |
| 1996 TX | 1996 10 06.12765   | 00 39 01.39 | +05 37 56.3 | 18.5 R | 817 |
| 1996 TX | 1996 10 06.15963   | 00 38 59.73 | +05 37 48.0 | 17.9 R | 817 |
| 1996 TX | 1996 10 06.18554   | 00 38 58.35 | +05 37 41.0 | 17.9 R | 817 |
| 1996 TX | 1996 10 07.12711   | 00 38 10.65 | +05 33 33.0 | 17.8 R | 817 |
| 1996 TX | 1996 10 07.13897   | 00 38 10.03 | +05 33 29.8 | 17.7 R | 817 |
| 1996 TX | 1996 10 07.14965   | 00 38 09.49 | +05 33 27.2 | 17.6 R | 817 |
| 1996 TY | * 1996 10 05.12365 | 00 39 06.87 | +05 53 53.3 | 18.1 R | 817 |
| 1996 TY | 1996 10 05.15221   | 00 39 05.51 | +05 53 44.5 | 18.5 R | 817 |
| 1996 TY | 1996 10 05.20707   | 00 39 02.84 | +05 53 27.9 | 17.8 R | 817 |
| 1996 TY | 1996 10 06.14557   | 00 38 18.68 | +05 48 36.4 | 17.8 R | 817 |
| 1996 TY | 1996 10 06.16775   | 00 38 17.61 | +05 48 29.6 | 18.3 R | 817 |
| 1996 TY | 1996 10 06.19410   | 00 38 16.35 | +05 48 21.5 | 18.1 R | 817 |
| 1996 TZ | * 1996 10 05.12784 | 00 38 51.48 | +06 09 20.4 | 17.6 R | 817 |
| 1996 TZ | 1996 10 05.15631   | 00 38 49.89 | +06 09 10.3 | 17.3 R | 817 |
| 1996 TZ | 1996 10 05.21133   | 00 38 46.88 | +06 08 51.8 | 17.3 R | 817 |
| 1996 TZ | 1996 10 06.15076   | 00 37 57.01 | +06 03 31.8 | 17.4 R | 817 |
| 1996 TZ | 1996 10 06.17166   | 00 37 55.85 | +06 03 24.4 | 17.4 R | 817 |
| 1996 TZ | 1996 10 06.19812   | 00 37 54.39 | +06 03 15.3 | 17.4 R | 817 |

|                      |                    |             |             |        |     |                                                                               |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|-------------------------------------------------------------------------------|--------------------|-------------|-------------|--------|-----|
| 1996 TA <sub>1</sub> | * 1996 10 05.12784 | 00 39 18.04 | +06 12 31.8 | 18.5 R | 817 | 1996 TN <sub>9</sub>                                                          | 1996 10 15.10778   | 01 07 43.71 | +06 54 42.8 | 18.0 R | 817 |
| 1996 TA <sub>1</sub> | 1996 10 05.15631   | 00 39 16.22 | +06 12 25.6 | 18.3 R | 817 | 1996 TZ <sub>9</sub>                                                          | * 1996 10 15.11962 | 01 21 45.59 | +08 23 27.1 | 18.0 R | 817 |
| 1996 TA <sub>1</sub> | 1996 10 05.21133   | 00 39 12.65 | +06 12 12.7 | 18.0 R | 817 | 1996 TZ <sub>9</sub>                                                          | 1996 10 15.14936   | 01 21 44.27 | +08 23 13.3 | 18.0 R | 817 |
| 1996 TA <sub>1</sub> | 1996 10 06.15076   | 00 38 14.41 | +06 08 45.6 | 18.1 R | 817 | 1996 TZ <sub>9</sub>                                                          | 1996 10 15.18704   | 01 21 42.53 | +08 22 55.1 | 17.5 R | 817 |
| 1996 TA <sub>1</sub> | 1996 10 06.17166   | 00 38 13.09 | +06 08 40.8 | 18.4 R | 817 | 1996 TZ <sub>9</sub>                                                          | 1996 10 16.09221   | 01 21 02.98 | +08 15 45.5 | 17.6 R | 817 |
| 1996 TA <sub>1</sub> | 1996 10 06.19812   | 00 38 11.38 | +06 08 34.8 | 18.6 R | 817 | 1996 TZ <sub>9</sub>                                                          | 1996 10 16.11678   | 01 21 01.86 | +08 15 33.5 | 17.9 R | 817 |
| 1996 TF <sub>1</sub> | * 1996 10 06.14084 | 00 39 28.02 | +05 48 45.6 | 18.0 R | 817 | 1996 TA <sub>10</sub>                                                         | * 1996 10 15.11962 | 01 22 09.26 | +08 23 52.6 | 18.2 R | 817 |
| 1996 TF <sub>1</sub> | 1996 10 06.16356   | 00 39 26.51 | +05 48 39.3 | 18.3 R | 817 | 1996 TA <sub>10</sub>                                                         | 1996 10 15.14936   | 01 22 07.67 | +08 23 39.2 | 18.0 R | 817 |
| 1996 TF <sub>1</sub> | 1996 10 06.18983   | 00 39 24.93 | +05 48 32.3 | 17.8 R | 817 | 1996 TA <sub>10</sub>                                                         | 1996 10 15.18704   | 01 22 05.65 | +08 23 23.7 | 18.1 R | 817 |
| 1996 TF <sub>1</sub> | 1996 10 06.22007   | 00 39 22.94 | +05 48 23.7 | 17.9 R | 817 | 1996 TA <sub>10</sub>                                                         | 1996 10 16.09221   | 01 21 19.39 | +08 16 57.3 | 18.2 R | 817 |
| 1996 TF <sub>1</sub> | 1996 10 07.11981   | 00 38 27.25 | +05 44 15.7 | 17.8 R | 817 | 1996 TA <sub>10</sub>                                                         | 1996 10 16.11678   | 01 21 18.15 | +08 16 46.6 | 18.2 R | 817 |
| 1996 TF <sub>1</sub> | 1996 10 07.13501   | 00 38 26.27 | +05 44 11.6 | 18.3 R | 817 | 1996 TB <sub>10</sub>                                                         | * 1996 10 15.11962 | 01 22 32.97 | +08 17 48.5 | 17.3 R | 817 |
| 1996 TF <sub>1</sub> | 1996 10 07.14558   | 00 38 25.61 | +05 44 08.8 | 17.5 R | 817 | 1996 TB <sub>10</sub>                                                         | 1996 10 15.14936   | 01 22 31.38 | +08 17 37.1 | 17.5 R | 817 |
| 1996 TZ <sub>4</sub> | * 1996 10 08.06347 | 00 21 16.53 | +03 53 42.4 | 18.7 R | 817 | 1996 TB <sub>10</sub>                                                         | 1996 10 15.18704   | 01 22 29.29 | +08 17 22.5 | 17.4 R | 817 |
| 1996 TZ <sub>4</sub> | 1996 10 08.08684   | 00 21 15.19 | +03 53 38.5 | 18.0 R | 817 | 1996 TB <sub>10</sub>                                                         | 1996 10 16.09221   | 01 21 42.55 | +08 11 28.3 | 17.4 R | 817 |
| 1996 TZ <sub>4</sub> | 1996 10 08.12948   | 00 21 12.67 | +03 53 30.0 | 18.9 R | 817 | 1996 TB <sub>10</sub>                                                         | 1996 10 16.11678   | 01 21 41.19 | +08 11 18.6 | 18.0 R | 817 |
| 1996 TZ <sub>4</sub> | 1996 10 08.15493   | 00 21 11.21 | +03 53 24.0 | 18.3 R | 817 | (124)                                                                         | 1996 10 01.11134   | 00 29 01.26 | +03 09 53.8 | 12.2 R | 817 |
| 1996 TZ <sub>4</sub> | 1996 10 10.06801   | 00 19 25.25 | +03 46 48.4 | 17.9 R | 817 | (124)                                                                         | 1996 10 01.14050   | 00 28 59.78 | +03 09 42.5 | 12.1 R | 817 |
| 1996 TZ <sub>4</sub> | 1996 10 10.10144   | 00 19 23.35 | +03 46 43.2 | 17.8 R | 817 | (124)                                                                         | 1996 10 01.17220   | 00 28 58.15 | +03 09 30.6 | 11.9 R | 817 |
| 1996 TZ <sub>4</sub> | 1996 10 10.14220   | 00 19 21.04 | +03 46 33.4 | 17.7 R | 817 | (124)                                                                         | 1996 10 02.11241   | 00 28 11.64 | +03 03 25.2 | 12.6 R | 817 |
| 1996 TA <sub>5</sub> | * 1996 10 08.12037 | 00 40 02.76 | +06 16 06.0 | 17.7 R | 817 | (124)                                                                         | 1996 10 02.12980   | 00 28 10.76 | +03 03 18.4 | 12.6 R | 817 |
| 1996 TA <sub>5</sub> | 1996 10 08.14580   | 00 40 01.51 | +06 15 56.2 | 17.5 R | 817 | (124)                                                                         | 1996 10 02.14748   | 00 28 09.86 | +03 03 11.7 | 12.6 R | 817 |
| 1996 TA <sub>5</sub> | 1996 10 08.17566   | 00 40 00.08 | +06 15 43.5 | 17.6 R | 817 | (229)                                                                         | 1996 10 12.18517   | 01 11 32.53 | +07 02 24.4 | 13.1 R | 817 |
| 1996 TA <sub>5</sub> | 1996 10 10.07352   | 00 38 32.04 | +06 02 16.5 | 17.7 R | 817 | (229)                                                                         | 1996 10 12.21501   | 01 11 31.17 | +07 02 17.7 | 13.1 R | 817 |
| 1996 TA <sub>5</sub> | 1996 10 10.10593   | 00 38 30.54 | +06 02 03.3 | 17.8 R | 817 | (3058)                                                                        | 1996 10 10.08948   | 00 39 47.94 | +06 07 37.3 | 16.1 R | 817 |
| 1996 TZ <sub>7</sub> | * 1996 10 12.11819 | 01 10 05.89 | +07 02 11.0 | 17.8 R | 817 | (3058)                                                                        | 1996 10 10.11775   | 00 39 46.40 | +06 07 22.8 | 16.1 R | 817 |
| 1996 TZ <sub>7</sub> | 1996 10 12.14888   | 01 10 04.43 | +07 02 03.9 | 17.8 R | 817 | (4178)                                                                        | 1996 10 12.11819   | 01 10 04.35 | +07 02 06.1 | 17.6 R | 817 |
| 1996 TZ <sub>7</sub> | 1996 10 13.09229   | 01 09 20.16 | +06 58 19.4 | 18.4 R | 817 | (4178)                                                                        | 1996 10 12.14888   | 01 10 03.02 | +07 01 58.7 | 17.5 R | 817 |
| 1996 TZ <sub>7</sub> | 1996 10 13.11312   | 01 09 19.16 | +06 58 14.4 | 17.8 R | 817 | (4178)                                                                        | 1996 10 13.09229   | 01 09 22.38 | +06 58 01.2 | 17.5 R | 817 |
| 1996 TZ <sub>7</sub> | 1996 10 13.14420   | 01 09 17.67 | +06 58 06.8 | 18.2 R | 817 | (4178)                                                                        | 1996 10 13.11312   | 01 09 21.48 | +06 57 56.1 | 17.2 R | 817 |
| 1996 TZ <sub>7</sub> | 1996 10 15.08314   | 01 07 47.02 | +06 50 28.0 | 17.7 R | 817 | (4178)                                                                        | 1996 10 13.14420   | 01 09 20.13 | +06 57 48.2 | 17.4 R | 817 |
| 1996 TZ <sub>7</sub> | 1996 10 15.10778   | 01 07 45.82 | +06 50 23.1 | 17.3 R | 817 |                                                                               |                    |             |             |        |     |
| 1996 TA <sub>8</sub> | * 1996 10 12.13087 | 01 09 33.47 | +07 38 52.9 | 17.2 R | 817 | <b>819 Val-des-Bois</b>                                                       |                    |             |             |        |     |
| 1996 TA <sub>8</sub> | 1996 10 12.16073   | 01 09 31.75 | +07 38 42.0 | 17.0 R | 817 | D. Bergeron, 117 Ch. Guenette, C.P. 130, Val-des-Bois, Quebec JOX 3C0, Canada |                    |             |             |        |     |
| 1996 TA <sub>8</sub> | 1996 10 13.10730   | 01 08 39.50 | +07 33 13.2 | 17.2 R | 817 | [bergeron@achilles.net]                                                       |                    |             |             |        |     |
| 1996 TA <sub>8</sub> | 1996 10 13.13956   | 01 08 37.61 | +07 33 02.4 | 17.1 R | 817 | 0.25-m <i>f</i> /10 Schmidt-Cassegrain + CCD                                  |                    |             |             |        |     |
| 1996 TB <sub>8</sub> | * 1996 10 12.13087 | 01 09 54.91 | +07 30 18.3 | 16.6 R | 817 | GSC                                                                           |                    |             |             |        |     |
| 1996 TB <sub>8</sub> | 1996 10 12.16073   | 01 09 53.57 | +07 30 05.4 | 16.3 R | 817 | (4197)                                                                        | 1996 10 05.10451   | 02 11 06.76 | +20 43 24.7 | 14.0 V | 819 |
| 1996 TB <sub>8</sub> | 1996 10 13.09704   | 01 09 12.21 | +07 23 12.5 | 17.0 R | 817 | (4197)                                                                        | 1996 10 05.11493   | 02 11 06.26 | +20 43 53.9 | 14.0 V | 819 |
| 1996 TB <sub>8</sub> | 1996 10 13.11723   | 01 09 11.32 | +07 23 03.6 | 17.0 R | 817 | (4197)                                                                        | 1996 10 05.12535   | 02 11 05.78 | +20 44 22.8 | 13.8 V | 819 |
| 1996 TC <sub>8</sub> | * 1996 10 12.13700 | 01 10 24.41 | +07 51 21.3 | 17.5 R | 817 | (4197)                                                                        | 1996 10 05.13576   | 02 11 05.27 | +20 44 51.8 | 13.7 V | 819 |
| 1996 TC <sub>8</sub> | 1996 10 12.14090   | 01 10 24.21 | +07 51 21.4 | 17.6 R | 817 | (4197)                                                                        | 1996 10 05.14618   | 02 11 04.76 | +20 45 20.9 | 13.8 V | 819 |
| 1996 TC <sub>8</sub> | 1996 10 12.16926   | 01 10 22.44 | +07 51 09.5 | 17.4 R | 817 | (4197)                                                                        | 1996 10 06.10451   | 02 10 20.81 | +21 31 12.6 | 13.2 V | 819 |
| 1996 TC <sub>8</sub> | 1996 10 13.10250   | 01 09 28.30 | +07 44 46.0 | 18.0 R | 817 | (4197)                                                                        | 1996 10 06.11493   | 02 10 20.24 | +21 31 44.1 | 13.3 V | 819 |
| 1996 TC <sub>8</sub> | 1996 10 13.13541   | 01 09 26.31 | +07 44 32.7 | 17.4 R | 817 | (4197)                                                                        | 1996 10 06.12535   | 02 10 19.66 | +21 32 15.8 | 13.4 V | 819 |
| 1996 TE <sub>9</sub> | 1996 10 15.09785   | 23 07 19.68 | -03 09 04.8 | 18.1 R | 817 | (4197)                                                                        | 1996 10 06.13576   | 02 10 19.07 | +21 32 47.5 | 13.4 V | 819 |
| 1996 TE <sub>9</sub> | 1996 10 15.10074   | 23 07 19.38 | -03 08 49.6 | 17.9 R | 817 | (4197)                                                                        | 1996 10 06.14618   | 02 10 18.47 | +21 33 18.9 | 13.5 V | 819 |
| 1996 TE <sub>9</sub> | 1996 10 15.10347   | 23 07 19.04 | -03 08 35.2 | 18.1 R | 817 | (4197)                                                                        | 1996 10 11.10417   | 02 03 57.13 | +26 52 31.9 | 12.6 V | 819 |
| 1996 TN <sub>9</sub> | * 1996 10 13.09229 | 01 09 44.54 | +06 58 12.0 | 18.2 R | 817 | (4197)                                                                        | 1996 10 11.11458   | 02 03 55.88 | +26 53 24.0 | 12.6 V | 819 |
| 1996 TN <sub>9</sub> | 1996 10 13.11312   | 01 09 43.32 | +06 58 09.8 | 18.2 R | 817 | (4197)                                                                        | 1996 10 11.12500   | 02 03 54.64 | +26 54 16.6 | 12.6 V | 819 |
| 1996 TN <sub>9</sub> | 1996 10 13.14420   | 01 09 41.31 | +06 58 06.7 | 18.3 R | 817 | (4197)                                                                        | 1996 10 11.13542   | 02 03 53.35 | +26 55 08.8 | 12.8 V | 819 |
| 1996 TN <sub>9</sub> | 1996 10 15.08314   | 01 07 45.15 | +06 54 45.7 | 17.9 R | 817 | (4197)                                                                        | 1996 10 11.14583   | 02 03 52.04 | +26 56 01.1 | 12.8 V | 819 |
|                      |                    |             |             |        |     | (4197)                                                                        | 1996 10 12.10417   | 02 01 55.15 | +28 20 06.3 | 13.1 V | 819 |

## M.P.C. 28045

1996 OCT. 26

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (4197) | 1996 10 12.11459 | 02 01 53.66 | +28 21 05.1 | 13.0 V | 819 |
| (4197) | 1996 10 12.13543 | 02 01 50.67 | +28 23 02.7 | 12.8 V | 819 |
| (4197) | 1996 10 12.14584 | 02 01 49.15 | +28 24 01.1 | 12.7 V | 819 |
| (4197) | 1996 10 17.07292 | 01 43 34.96 | +39 06 15.0 | 12.1 V | 819 |
| (4197) | 1996 10 17.08333 | 01 43 31.03 | +39 08 08.7 | 12.1 V | 819 |
| (4197) | 1996 10 17.09375 | 01 43 27.08 | +39 10 02.6 | 12.1 V | 819 |
| (4197) | 1996 10 17.10417 | 01 43 23.11 | +39 11 56.7 | 12.2 V | 819 |
| (4197) | 1996 10 17.11457 | 01 43 19.12 | +39 13 50.5 | 12.3 V | 819 |
| (4197) | 1996 10 17.12500 | 01 43 15.12 | +39 15 44.5 | 12.3 V | 819 |
| (4197) | 1996 10 17.13542 | 01 43 11.08 | +39 17 38.7 | 12.2 V | 819 |
| (4197) | 1996 10 17.14583 | 01 43 07.05 | +39 19 33.2 | 12.1 V | 819 |
| (4197) | 1996 10 17.15625 | 01 43 03.00 | +39 21 27.4 | 12.0 V | 819 |

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L. L. Amburgey, 777 Scott Road, Fitchburg, MA 01420-6680, U.S.A.

[lla@tiac.net]

0.28-m Schmidt-Cassegrain + CCD

GSC

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (3908) | 1996 10 02.08994 | 21 05 32.31 | +06 37 53.3 | 14.3   | 823 |
| (3908) | 1996 10 02.10372 | 21 05 33.76 | +06 38 23.3 | 14.3   | 823 |
| (3908) | 1996 10 06.04979 | 21 15 53.23 | +09 17 10.7 | 13.9   | 823 |
| (3908) | 1996 10 06.06520 | 21 15 55.65 | +09 17 51.5 | 14.0   | 823 |
| (3908) | 1996 10 06.07944 | 21 15 57.87 | +09 18 28.8 | 14.0   | 823 |
| (3908) | 1996 10 06.09091 | 21 15 59.66 | +09 18 59.1 | 14.1   | 823 |
| (3908) | 1996 10 07.08322 | 21 19 11.87 | +10 03 53.7 | 13.6   | 823 |
| (3908) | 1996 10 07.09417 | 21 19 13.77 | +10 04 23.8 | 13.6   | 823 |
| (3908) | 1996 10 07.10027 | 21 19 14.82 | +10 04 40.4 | 13.7   | 823 |
| (3908) | 1996 10 07.11284 | 21 19 17.02 | +10 05 14.8 | 13.8   | 823 |
| (4776) | 1996 10 08.07168 | 23 33 35.00 | -02 28 17.2 | 16.5 R | 823 |
| (4776) | 1996 10 08.12676 | 23 33 32.77 | -02 28 10.5 | 16.5 R | 823 |
| (4776) | 1996 10 18.01563 | 23 29 04.92 | -02 01 26.0 | 16.6 R | 823 |
| (4776) | 1996 10 18.05218 | 23 29 04.30 | -02 01 18.1 | 16.5 R | 823 |

**824 Lake Clear**

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[kenwill@NorthNet.org]

0.41-m *f*/5.0 reflector + CCD

GSC

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1995 DP | 1996 09 19.20956 | 00 44 57.43 | +05 16 57.8 | 16.9 R | 824 |
| 1995 DP | 1996 09 19.21282 | 00 44 57.23 | +05 16 57.0 | 17.0 R | 824 |
| 1995 DP | 1996 09 19.21580 | 00 44 57.05 | +05 16 56.4 | 17.0 R | 824 |
| 1995 EN | 1996 09 19.17757 | 00 44 17.68 | +03 26 51.9 | 17.9 R | 824 |
| 1995 EN | 1996 09 19.18091 | 00 44 17.44 | +03 26 51.4 | 17.6 R | 824 |
| 1995 EN | 1996 09 19.18398 | 00 44 17.27 | +03 26 50.8 | 17.8 R | 824 |
| 1995 EN | 1996 09 20.14120 | 00 43 18.16 | +03 23 35.8 | 17.7 R | 824 |
| 1995 EN | 1996 09 20.14422 | 00 43 17.97 | +03 23 35.0 | 17.7 R | 824 |
| 1995 EN | 1996 09 20.14725 | 00 43 17.78 | +03 23 34.5 | 17.7 R | 824 |
| 1995 EN | 1996 09 20.15034 | 00 43 17.59 | +03 23 33.9 | 17.7 R | 824 |
| 1995 EN | 1996 09 21.24226 | 00 42 09.02 | +03 19 47.3 | 17.9 R | 824 |
| 1995 EN | 1996 09 21.24580 | 00 42 08.78 | +03 19 46.7 | 18.0 R | 824 |
| 1995 EN | 1996 09 21.25049 | 00 42 08.50 | +03 19 45.0 | 17.8 R | 824 |
| 1995 FK | 1996 09 19.17757 | 00 44 23.57 | +03 28 09.0 | 17.8 R | 824 |
| 1995 FK | 1996 09 19.18091 | 00 44 23.36 | +03 28 07.7 | 17.7 R | 824 |

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1995 FK              | 1996 09 19.18398   | 00 44 23.17 | +03 28 06.2 | 17.7 R | 824 |
| 1995 FK              | 1996 09 19.18701   | 00 44 23.01 | +03 28 05.7 | 17.4 R | 824 |
| 1995 FK              | 1996 09 20.14120   | 00 43 31.68 | +03 22 05.2 | 18.2 R | 824 |
| 1995 FK              | 1996 09 20.14422   | 00 43 31.51 | +03 22 03.9 | 18.0 R | 824 |
| 1995 FK              | 1996 09 20.14725   | 00 43 31.35 | +03 22 02.9 | 18.0 R | 824 |
| 1995 FK              | 1996 09 20.15034   | 00 43 31.18 | +03 22 01.4 | 18.1 R | 824 |
| 1995 FK              | 1996 09 21.24226   | 00 42 31.45 | +03 15 05.4 | 17.5 R | 824 |
| 1995 FK              | 1996 09 21.24580   | 00 42 31.25 | +03 15 04.1 | 17.5 R | 824 |
| 1995 FK              | 1996 09 21.25049   | 00 42 31.04 | +03 15 01.3 | 17.7 R | 824 |
| 1996 QN <sub>1</sub> | 1996 09 19.13624   | 22 37 45.27 | -07 00 01.5 | 18.3 R | 824 |
| 1996 QN <sub>1</sub> | 1996 09 19.13949   | 22 37 45.14 | -07 00 01.3 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | * 1996 10 12.06539 | 00 23 14.28 | +02 29 10.0 | 18.0 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 12.07078   | 00 23 13.97 | +02 29 10.9 | 17.9 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 12.07409   | 00 23 13.72 | +02 29 11.6 | 17.9 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 12.07722   | 00 23 13.50 | +02 29 11.8 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 15.11804   | 00 19 52.16 | +02 35 17.8 | 18.0 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 15.14007   | 00 19 50.67 | +02 35 19.7 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 15.14779   | 00 19 50.19 | +02 35 21.3 | 18.0 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 16.07216   | 00 18 50.68 | +02 37 18.1 | 17.8 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 16.07535   | 00 18 50.47 | +02 37 18.3 | 17.8 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 16.07922   | 00 18 50.22 | +02 37 19.3 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 16.08244   | 00 18 49.98 | +02 37 19.3 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 17.11722   | 00 17 44.18 | +02 39 33.7 | 17.9 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 17.12049   | 00 17 43.97 | +02 39 34.5 | 17.9 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 17.12450   | 00 17 43.72 | +02 39 34.7 | 17.8 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 17.12738   | 00 17 43.53 | +02 39 35.1 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 18.04896   | 00 16 45.98 | +02 41 38.0 | 17.6 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 18.05198   | 00 16 45.80 | +02 41 38.0 | 17.7 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 18.05622   | 00 16 45.52 | +02 41 38.4 | 17.8 R | 824 |
| 1996 TO <sub>9</sub> | 1996 10 18.05907   | 00 16 45.34 | +02 41 38.7 | 17.6 R | 824 |
| 1996 UC              | 1996 10 18.11740   | 00 40 57.87 | -00 58 16.2 | 16.8 R | 824 |
| 1996 UC              | 1996 10 18.12043   | 00 40 57.75 | -00 58 16.8 | 16.8 R | 824 |
| 1996 UC              | 1996 10 18.12355   | 00 40 57.63 | -00 58 17.2 | 16.7 R | 824 |
| 1996 UC              | 1996 10 18.12656   | 00 40 57.50 | -00 58 17.9 | 16.8 R | 824 |
| 1316 T-2             | 1996 10 06.24593   | 01 19 36.76 | +08 09 28.6 | 18.2 R | 824 |
| 1316 T-2             | 1996 10 06.24934   | 01 19 36.55 | +08 09 27.0 | 18.4 R | 824 |
| 1316 T-2             | 1996 10 06.25264   | 01 19 36.38 | +08 09 26.9 | 18.2 R | 824 |
| 1316 T-2             | 1996 10 06.25569   | 01 19 36.22 | +08 09 26.0 | 18.3 R | 824 |
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**825 Granville**

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0.20-m *f*/3.3 Schmidt-Cassegrain + CCD

GSC

|                      |                    |             |             |        |     |
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| 1981 EO <sub>8</sub> | 1996 10 04.11883   | 00 09 43.52 | +08 04 58.3 | 16.5 V | 825 |
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| 1981 EO <sub>8</sub> | 1996 10 05.19128   | 00 08 47.76 | +07 58 56.3 | 17.0 V | 825 |
| 1981 EO <sub>8</sub> | 1996 10 05.22351   | 00 08 46.33 | +07 58 45.4 | 16.9 V | 825 |
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| 1996 QU <sub>1</sub> | 1996 10 04.15619   | 00 27 27.54 | +14 34 55.3 | 14.9 V | 825 |
| 1996 QU <sub>1</sub> | 1996 10 04.18662   | 00 27 25.96 | +14 34 56.4 | 15.1 V | 825 |
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|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (2866) | 1996 10 05.32787 | 01 44 07.34 | +24 10 45.5 | 15.8 V | 825 |
| (3850) | 1996 10 01.15929 | 01 37 10.43 | -00 39 56.7 | 15.6 V | 825 |
| (3850) | 1996 10 01.19781 | 01 37 08.40 | -00 40 10.7 | 16.0 V | 825 |
| (3850) | 1996 10 04.13682 | 01 34 39.67 | -01 01 41.1 | 16.2 V | 825 |
| (3850) | 1996 10 04.16575 | 01 34 38.11 | -01 01 54.0 | 16.5 V | 825 |
| (3850) | 1996 10 04.19601 | 01 34 36.44 | -01 02 07.0 | 16.4 V | 825 |
| (3850) | 1996 10 05.18198 | 01 33 44.71 | -01 09 11.0 | 16.1 V | 825 |
| (3850) | 1996 10 05.21289 | 01 33 42.96 | -01 09 24.5 | 16.0 V | 825 |
| (3850) | 1996 10 05.24598 | 01 33 41.14 | -01 09 38.2 | 16.0 V | 825 |
| (3908) | 1996 10 01.05547 | 21 03 24.33 | +06 00 57.1 | 13.8 V | 825 |
| (3908) | 1996 10 01.07889 | 21 03 26.53 | +06 01 45.9 | 14.0 V | 825 |
| (3908) | 1996 10 01.10247 | 21 03 28.77 | +06 02 34.8 | 14.1 V | 825 |
| (3908) | 1996 10 04.03252 | 21 10 11.16 | +07 52 18.3 | 13.9 V | 825 |
| (3908) | 1996 10 04.06102 | 21 10 14.83 | +07 53 27.3 | 14.1 V | 825 |
| (3908) | 1996 10 04.08199 | 21 10 17.50 | +07 54 17.6 | 14.1 V | 825 |
| (4776) | 1996 10 01.12361 | 23 38 32.50 | -02 39 32.8 | 16.0 V | 825 |
| (4776) | 1996 10 01.16742 | 23 38 30.25 | -02 39 29.5 | 16.2 V | 825 |
| (4776) | 1996 10 04.11095 | 23 36 15.35 | -02 35 22.7 | 16.3 V | 825 |
| (4776) | 1996 10 04.14434 | 23 36 13.80 | -02 35 19.5 | 16.4 V | 825 |
| (4776) | 1996 10 04.17256 | 23 36 12.48 | -02 35 17.0 | 16.4 V | 825 |
| (4776) | 1996 10 05.15101 | 23 35 30.58 | -02 33 41.4 | 16.4 V | 825 |
| (4776) | 1996 10 05.18777 | 23 35 28.95 | -02 33 37.6 | 16.2 V | 825 |
| (4776) | 1996 10 05.22002 | 23 35 27.46 | -02 33 34.4 | 16.2 V | 825 |
| (4917) | 1996 10 01.22409 | 02 59 18.52 | +13 56 05.8 | 16.7 V | 825 |
| (4917) | 1996 10 01.25199 | 02 59 17.83 | +13 55 59.5 | 16.3 V | 825 |
| (4917) | 1996 10 04.23402 | 02 58 11.57 | +13 44 24.3 | 16.9 V | 825 |
| (4917) | 1996 10 04.26522 | 02 58 10.73 | +13 44 17.2 | 17.0 V | 825 |
| (4917) | 1996 10 04.29659 | 02 58 09.90 | +13 44 09.1 | 17.1 V | 825 |
| (4917) | 1996 10 05.27947 | 02 57 44.90 | +13 40 05.5 | 16.7 V | 825 |
| (4917) | 1996 10 05.31059 | 02 57 43.90 | +13 39 59.9 | 17.0 V | 825 |
| (4917) | 1996 10 05.33823 | 02 57 43.17 | +13 39 52.9 | 16.9 V | 825 |
| (5433) | 1996 10 04.22617 | 01 59 07.19 | +25 52 58.0 | 14.8 V | 825 |
| (5433) | 1996 10 04.25634 | 01 59 06.01 | +25 52 55.1 | 14.9 V | 825 |
| (5433) | 1996 10 04.28647 | 01 59 04.81 | +25 52 51.9 | 14.9 V | 825 |
| (5433) | 1996 10 05.27238 | 01 58 27.72 | +25 51 00.7 | 14.6 V | 825 |
| (5433) | 1996 10 05.30094 | 01 58 26.54 | +25 50 57.1 | 14.6 V | 825 |
| (5433) | 1996 10 05.33209 | 01 58 25.27 | +25 50 53.0 | 14.7 V | 825 |

**867 Saji Observatory**

M. Yamanishi, 1071-1 Takayama, Saji, Yazu-Gun, Tottori-Ken, 689-13 Japan

[sajinet@infosakyu.or.jp, KYI03040@niftyserve.or.jp]

Observers M. Yamanishi, A. Miyamoto, M. Aimoto, T. Oribe

1.03-m  $f/4.2$  reflector + CCD

GSC

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1996 PW | 1996 10 13.51738 | 22 24 36.72 | -27 18 52.0 | 18.7 V | 867 |
| 1996 PW | 1996 10 13.52398 | 22 24 36.91 | -27 18 54.0 |        | 867 |
| 1996 PW | 1996 10 13.55072 | 22 24 37.71 | -27 19 01.2 |        | 867 |
| 1996 SK | 1996 10 13.56461 | 21 59 07.00 | -10 48 41.9 | 18.9 V | 867 |
| 1996 SK | 1996 10 13.57086 | 21 59 06.22 | -10 48 46.7 |        | 867 |

**871 Akou**

K. Kawanishi, 2045-1, Kariya, Akou, Hyogo-Ken 678-02, Japan

0.33-m  $f/3.3$  reflector + CCD

GSC

|                       |                  |             |             |      |     |
|-----------------------|------------------|-------------|-------------|------|-----|
| 1996 TE <sub>11</sub> | 1996 10 17.66681 | 03 48 24.56 | -20 59 13.8 | 16.5 | 871 |
| 1996 TE <sub>11</sub> | 1996 10 17.67154 | 03 48 24.79 | -20 59 26.0 |      | 871 |
| 1996 TE <sub>11</sub> | 1996 10 17.67595 | 03 48 25.12 | -20 59 36.8 |      | 871 |

**886 Susono**

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

0.25-m  $f/4.2$  Wright-Schmidt camera + CCD

GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1975 VK <sub>2</sub> | 1996 10 17.60630 | 02 47 00.55 | +12 34 47.1 | 16.5 V | 886 |
| 1975 VK <sub>2</sub> | 1996 10 17.61656 | 02 47 00.16 | +12 34 44.1 |        | 886 |
| 1976 SA <sub>6</sub> | 1996 09 22.59680 | 00 00 56.44 | -02 40 28.5 | 16.0 V | 886 |
| 1976 SA <sub>6</sub> | 1996 09 22.60633 | 00 00 55.86 | -02 40 31.1 |        | 886 |
| 1984 SY <sub>5</sub> | 1996 10 15.57104 | 02 03 00.92 | +08 34 11.8 | 16.0 V | 886 |
| 1984 SY <sub>5</sub> | 1996 10 15.58146 | 02 03 00.34 | +08 34 09.4 |        | 886 |
| 1992 AK <sub>1</sub> | 1996 10 15.59454 | 02 01 52.15 | +07 43 49.0 | 16.0 V | 886 |
| 1992 AK <sub>1</sub> | 1996 10 15.60417 | 02 01 51.67 | +07 43 46.8 |        | 886 |

**894 Otomo**

S. Otomo, Kiyosato 3545-3902, Takane, Kitakoma-Gun, Yamanashi-Ken, 407-03

Japan

0.25-m  $f/3.4$  reflector

PPM

|                       |                    |             |             |      |     |
|-----------------------|--------------------|-------------|-------------|------|-----|
| 1979 SW <sub>2</sub>  | 1996 09 17.65666   | 00 15 04.28 | +00 06 37.0 | 16.5 | 894 |
| 1979 SW <sub>2</sub>  | 1996 09 17.66979   | 00 15 03.59 | +00 06 37.5 |      | 894 |
| 1979 SW <sub>2</sub>  | 1996 10 04.65799   | 23 59 27.78 | +00 09 38.7 |      | 894 |
| 1979 SW <sub>2</sub>  | 1996 10 04.67083   | 23 59 27.01 | +00 09 39.5 |      | 894 |
| 1996 RQ <sub>16</sub> | 1996 09 12.64410   | 23 54 04.40 | -00 02 57.6 | 16.5 | 894 |
| 1996 RQ <sub>16</sub> | 1996 09 12.65729   | 23 54 03.92 | -00 03 05.6 |      | 894 |
| 1996 RQ <sub>16</sub> | 1996 09 17.63021   | 23 50 49.52 | -00 59 32.0 |      | 894 |
| 1996 RQ <sub>16</sub> | 1996 09 17.64340   | 23 50 49.17 | -00 59 40.8 |      | 894 |
| 1996 SO <sub>7</sub>  | 1996 09 12.61771   | 00 04 39.68 | +03 20 23.4 | 16.5 | 894 |
| 1996 SO <sub>7</sub>  | * 1996 09 17.68299 | 00 00 48.15 | +02 58 57.2 | 16.5 | 894 |
| 1996 SO <sub>7</sub>  | 1996 09 17.69618   | 00 00 47.46 | +02 58 53.2 |      | 894 |
| 1996 SO <sub>7</sub>  | 1996 10 04.63194   | 23 47 57.63 | +01 37 45.6 | 16.5 | 894 |
| 1996 SO <sub>7</sub>  | 1996 10 04.64444   | 23 47 57.02 | +01 37 42.0 |      | 894 |

**897 YGCO Chiyoda Station**

T. Kojima, 45 Shimonakamori, Chiyoda, Ohra-Gun, Gunma-Ken, 370-07 Japan

[kojitaku@scorpius.bekkoame.or.jp]

0.25-m  $f/6.0$  reflector + CCD

GSC

|                       |                  |             |             |        |       |
|-----------------------|------------------|-------------|-------------|--------|-------|
| 1996 TE <sub>11</sub> | 1996 10 16.64241 | 03 47 19.71 | -20 14 39.5 |        | 897   |
| 1996 TE <sub>11</sub> | 1996 10 16.64588 | 03 47 19.92 | -20 14 47.3 |        | 897   |
| 1996 TE <sub>11</sub> | 1996 10 16.65435 | 03 47 20.41 | -20 15 10.8 | 16.8 R | 897   |
| 1996 UK               | 1996 10 18.64216 | 02 11 40.08 | +13 57 53.2 | 16.3 R | S 897 |
| 1996 UK               | 1996 10 18.65639 | 02 11 39.62 | +13 57 37.0 |        | S 897 |
| 1996 UK               | 1996 10 18.66090 | 02 11 39.51 | +13 57 29.8 |        | S 897 |
| 1996 UK               | 1996 10 18.66422 | 02 11 39.41 | +13 57 26.7 | 16.4 R | S 897 |
| 1996 UL               | 1996 10 17.71173 | 00 58 30.81 | +06 34 15.9 | 16.6 R | 897   |
| 1996 UL               | 1996 10 17.72208 | 00 58 30.12 | +06 34 18.2 |        | p 897 |
| 1996 UL               | 1996 10 18.62503 | 00 57 29.92 | +06 40 30.2 |        | 897   |

|         |                  |             |             |        |     |
|---------|------------------|-------------|-------------|--------|-----|
| 1996 UL | 1996 10 18.63370 | 00 57 29.24 | +06 40 34.5 | 16.9 R | 897 |
| (2060)  | 1996 04 16.66536 | 12 32 59.25 | -06 06 58.0 | 15.7 V | 897 |
| (2060)  | 1996 04 16.69127 | 12 32 58.83 | -06 06 54.7 |        | 897 |

**900 Moriyama**

Y. Ikari, Katsube 626, Moriyama, Shiga-Ken, 524 Japan [ikari@mx.biwa.or.jp]

0.25-m  $f/6.3$  reflector + CCD

GSC

|                       |                  |             |             |        |     |
|-----------------------|------------------|-------------|-------------|--------|-----|
| 1995 TG               | 1996 10 09.76790 | 08 04 47.32 | +28 00 45.5 | 18.2 V | 900 |
| 1995 TG               | 1996 10 09.79219 | 08 04 48.75 | +28 00 46.8 | 18.4 V | 900 |
| 1995 TG               | 1996 10 09.81873 | 08 04 50.36 | +28 00 49.3 | 18.4 V | 900 |
| 1995 TG               | 1996 10 16.77115 | 08 11 24.86 | +28 09 45.0 | 18.2 V | 900 |
| 1995 TG               | 1996 10 16.79090 | 08 11 25.92 | +28 09 47.1 | 18.0 V | 900 |
| 1996 PW               | 1996 10 13.50353 | 22 24 36.57 | -27 18 48.0 | 17.4 V | 900 |
| 1996 TY <sub>7</sub>  | 1996 10 17.58493 | 01 59 34.46 | +08 07 08.0 | 16.3 V | 900 |
| 1996 TY <sub>7</sub>  | 1996 10 17.60055 | 01 59 33.56 | +08 07 09.3 | 16.4 V | 900 |
| 1996 TP <sub>9</sub>  | 1996 10 16.72657 | 01 58 47.43 | -10 09 22.7 | 18.1 V | 900 |
| 1996 TP <sub>9</sub>  | 1996 10 16.74614 | 01 58 46.65 | -10 09 27.9 | 17.7 V | 900 |
| 1996 TE <sub>11</sub> | 1996 10 16.68850 | 03 47 22.52 | -20 16 40.3 | 17.3 V | 900 |
| 1996 TE <sub>11</sub> | 1996 10 16.70412 | 03 47 23.47 | -20 17 21.4 | 17.2 V | 900 |
| 1996 TE <sub>11</sub> | 1996 10 17.73336 | 03 48 28.38 | -21 02 06.8 | 16.7 V | 900 |
| 1996 TE <sub>11</sub> | 1996 10 17.74467 | 03 48 29.00 | -21 02 36.1 | 16.8 V | 900 |
| 1996 TE <sub>11</sub> | 1996 10 20.67467 | 03 51 25.44 | -23 09 02.9 | 16.8 V | 900 |
| 1996 TE <sub>11</sub> | 1996 10 20.68407 | 03 51 25.94 | -23 09 27.3 | 16.6 V | 900 |
| 1996 UK               | 1996 10 20.53887 | 02 10 54.06 | +13 20 41.9 | 16.3 V | 900 |
| 1996 UK               | 1996 10 20.54643 | 02 10 53.82 | +13 20 33.0 | 16.4 V | 900 |
| 1996 UL               | 1996 10 17.76007 | 00 58 27.50 | +06 34 34.8 | 16.2 V | 900 |
| 1996 UL               | 1996 10 17.76984 | 00 58 26.81 | +06 34 39.1 |        | 900 |
| 1996 UL               | 1996 10 20.59188 | 00 55 22.22 | +06 53 55.4 | 16.6 V | 900 |
| 1996 UL               | 1996 10 20.59633 | 00 55 21.99 | +06 54 00.1 | 16.7 V | 900 |
| (124)                 | 1996 10 09.60358 | 00 22 08.50 | +02 15 53.1 | 11.8 V | 900 |
| (124)                 | 1996 10 09.61867 | 00 22 07.77 | +02 15 47.5 | 11.8 V | 900 |
| (124)                 | 1996 10 14.57037 | 00 18 23.98 | +01 46 10.8 |        | 900 |
| (124)                 | 1996 10 14.57638 | 00 18 23.71 | +01 46 08.6 |        | 900 |
| (124)                 | 1996 10 14.58246 | 00 18 23.43 | +01 46 06.6 |        | 900 |
| (213)                 | 1996 10 05.74947 | 01 39 52.55 | -00 46 02.7 | 13.4 V | 900 |
| (213)                 | 1996 10 05.76107 | 01 39 51.98 | -00 46 06.7 | 13.4 V | 900 |
| (213)                 | 1996 10 17.65904 | 01 29 59.66 | -01 50 30.2 | 13.2 V | 900 |
| (213)                 | 1996 10 17.67298 | 01 29 58.94 | -01 50 34.2 | 13.2 V | 900 |
| (213)                 | 1996 10 20.61246 | 01 27 32.59 | -02 04 04.4 | 13.3 V | 900 |
| (213)                 | 1996 10 20.63565 | 01 27 31.40 | -02 04 10.5 | 13.3 V | 900 |
| (1287)                | 1996 10 20.56116 | 00 55 24.85 | +06 53 28.2 | 15.4 V | 900 |
| (1287)                | 1996 10 20.59478 | 00 55 23.46 | +06 53 13.5 | 15.1 V | 900 |
| (2339)                | 1996 10 05.53613 | 22 23 28.39 | -13 20 08.4 | 16.6 V | 900 |
| (2339)                | 1996 10 05.55710 | 22 23 28.06 | -13 20 04.5 | 16.5 V | 900 |
| (3171)                | 1996 10 09.69539 | 01 10 29.38 | +02 28 28.9 | 14.8 V | 900 |
| (3171)                | 1996 10 09.70699 | 01 10 28.76 | +02 28 28.0 | 14.9 V | 900 |

**905 Nachi-Katsuura Observatory**

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

Observer Y. Shimizu

Measurer T. Urata

0.40-m  $f/3.3$  Baker-Schmidt

GSC

|                       |                    |             |             |      |     |
|-----------------------|--------------------|-------------|-------------|------|-----|
| 1995 FK               | 1996 10 05.58681   | 00 28 59.81 | +01 42 03.8 | 17.5 | 905 |
| 1995 FK               | 1996 10 05.59485   | 00 28 59.25 | +01 42 00.9 |      | 905 |
| 1996 RG <sub>5</sub>  | 1996 10 05.55959   | 22 58 16.64 | -20 26 09.8 | 16.5 | 905 |
| 1996 RG <sub>5</sub>  | 1996 10 05.56771   | 22 58 16.39 | -20 26 11.8 |      | 905 |
| 1996 RH <sub>5</sub>  | 1996 10 05.58681   | 00 29 06.74 | +02 13 10.6 | 17   | 905 |
| 1996 RH <sub>5</sub>  | 1996 10 05.60301   | 00 29 05.86 | +02 13 03.4 |      | 905 |
| 1996 TF <sub>7</sub>  | * 1996 10 05.58681 | 00 25 01.00 | +02 50 55.6 | 16.5 | 905 |
| 1996 TF <sub>7</sub>  | 1996 10 05.60301   | 00 25 00.26 | +02 50 47.6 |      | 905 |
| 1996 TG <sub>7</sub>  | * 1996 10 05.58681 | 00 25 22.18 | +01 04 11.0 | 17   | 905 |
| 1996 TG <sub>7</sub>  | 1996 10 05.60301   | 00 25 21.26 | +01 04 07.6 |      | 905 |
| 1996 TH <sub>7</sub>  | * 1996 10 05.58681 | 00 28 58.71 | +02 05 48.7 | 17.5 | 905 |
| 1996 TH <sub>7</sub>  | 1996 10 05.60301   | 00 28 57.89 | +02 05 45.6 |      | 905 |
| 1996 TH <sub>12</sub> | * 1996 10 15.52216 | 02 35 27.05 | +12 26 00.6 | 17   | 905 |
| 1996 TH <sub>12</sub> | 1996 10 15.53877   | 02 35 26.24 | +12 26 02.6 |      | 905 |
| 1996 TJ <sub>12</sub> | * 1996 10 15.52216 | 02 35 55.45 | +13 59 40.7 | 17.5 | 905 |
| 1996 TJ <sub>12</sub> | 1996 10 15.53877   | 02 35 54.51 | +13 59 41.8 |      | 905 |
| 1996 TK <sub>12</sub> | * 1996 10 15.55781 | 02 25 30.32 | +14 43 48.6 | 17.5 | 905 |
| 1996 TK <sub>12</sub> | 1996 10 15.57419   | 02 25 29.43 | +14 43 45.2 |      | 905 |
| 1996 TL <sub>12</sub> | * 1996 10 15.55781 | 02 27 51.62 | +12 47 47.1 | 16.5 | 905 |
| 1996 TL <sub>12</sub> | 1996 10 15.57419   | 02 27 50.54 | +12 47 48.4 |      | 905 |
| 1996 UK               | * 1996 10 16.50058 | 02 12 30.96 | +14 40 13.9 | 17   | 905 |
| 1996 UK               | 1996 10 16.50880   | 02 12 30.77 | +14 40 02.7 |      | 905 |
| 1996 UK               | 1996 10 16.51713   | 02 12 30.67 | +14 39 52.3 |      | 905 |
| 1996 UK               | 1996 10 17.51794   | 02 12 07.42 | +14 20 04.3 | 17   | 905 |
| 1996 UK               | 1996 10 17.52604   | 02 12 07.24 | +14 19 55.5 |      | 905 |
| 1996 UK               | 1996 10 17.53437   | 02 12 06.97 | +14 19 45.7 |      | 905 |
| 1996 UR               | * 1996 10 16.46233 | 02 00 22.35 | +09 40 10.2 | 16.5 | 905 |
| 1996 UR               | 1996 10 16.47888   | 02 00 21.79 | +09 40 03.3 |      | 905 |
| 1996 US               | * 1996 10 16.50058 | 02 12 13.62 | +15 01 11.0 | 17   | 905 |
| 1996 US               | 1996 10 16.51713   | 02 12 12.63 | +15 01 10.7 |      | 905 |
| 1996 US               | 1996 10 17.52604   | 02 11 13.34 | +15 00 08.5 | 17   | 905 |
| 1996 US               | 1996 10 17.53437   | 02 11 12.75 | +15 00 08.0 |      | 905 |
| 1996 UT               | * 1996 10 16.59063 | 02 40 58.13 | +13 51 23.2 | 16.5 | 905 |
| 1996 UT               | 1996 10 16.60706   | 02 40 57.46 | +13 51 19.5 |      | 905 |
| 1996 UT               | 1996 10 17.54311   | 02 40 18.69 | +13 47 47.1 | 16.5 | 905 |
| 1996 UT               | 1996 10 17.58345   | 02 40 16.93 | +13 47 37.6 |      | 905 |
| 1996 UU               | * 1996 10 16.59063 | 02 43 33.78 | +14 06 24.1 | 17   | 905 |
| 1996 UU               | 1996 10 16.60706   | 02 43 33.17 | +14 06 13.6 |      | 905 |
| 1996 UU               | 1996 10 17.54311   | 02 42 57.49 | +13 55 30.6 | 17.5 | 905 |
| 1996 UU               | 1996 10 17.59155   | 02 42 55.55 | +13 54 55.7 |      | 905 |

**950 La Palma**

A. Fitzsimmons, Physics Department, Queen's University, Belfast BT7 1NN,

Northern Ireland [a.fitzsimmons@queens-belfast.ac.uk]

Observers A. Fitzsimmons, M. Irwin, I. P. Williams

2.5-m Isaac Newton Telescope + CCD

GSC

|                      |                  |             |             |  |     |
|----------------------|------------------|-------------|-------------|--|-----|
| 1992 QB <sub>1</sub> | 1996 09 16.00627 | 00 21 04.59 | +02 32 27.1 |  | 950 |
| 1992 QB <sub>1</sub> | 1996 09 16.03883 | 00 21 04.42 | +02 32 25.8 |  | 950 |
| 1992 QB <sub>1</sub> | 1996 09 16.07148 | 00 21 04.27 | +02 32 25.0 |  | 950 |

# M.P.C. 28050

1996 OCT. 26

|                       |                    |             |             |            |
|-----------------------|--------------------|-------------|-------------|------------|
| 1993 SB               | 1996 09 15.99801   | 00 17 22.82 | +02 14 52.4 | 950        |
| 1993 SB               | 1996 09 16.03076   | 00 17 22.61 | +02 14 51.5 | 950        |
| 1993 SB               | 1996 09 16.06340   | 00 17 22.42 | +02 14 50.1 | 950        |
| 1993 SC               | 1996 09 15.98970   | 00 16 13.68 | +02 44 52.2 | 950        |
| 1993 SC               | 1996 09 16.02257   | 00 16 13.51 | +02 44 50.8 | 950        |
| 1993 SC               | 1996 09 16.05493   | 00 16 13.33 | +02 44 50.3 | 950        |
| 1994 TB               | 1996 09 15.91634   | 23 31 14.27 | +05 23 56.9 | 950        |
| 1994 TB               | 1996 09 15.94804   | 23 31 14.08 | +05 23 56.0 | 950        |
| 1994 TB               | 1996 09 15.97308   | 23 31 13.95 | +05 23 55.0 | 950        |
| 1995 QY <sub>9</sub>  | 1996 09 15.90806   | 22 54 40.31 | -06 53 32.5 | 950        |
| 1995 QY <sub>9</sub>  | 1996 09 15.93966   | 22 54 40.12 | -06 53 33.6 | 950        |
| 1995 QY <sub>9</sub>  | 1996 09 15.96133   | 22 54 39.97 | -06 53 34.6 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 16.01451   | 00 43 11.01 | +04 24 23.7 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 16.04688   | 00 43 10.85 | +04 24 22.8 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 16.08161   | 00 43 10.70 | +04 24 22.1 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 19.96360   | 00 42 51.79 | +04 22 56.1 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 20.02245   | 00 42 51.54 | +04 22 54.6 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 20.99336   | 00 42 46.78 | +04 22 32.9 | 950        |
| 1996 RQ <sub>20</sub> | 1996 09 21.04044   | 00 42 46.55 | +04 22 31.9 | 950        |
| 1996 RR <sub>20</sub> | * 1996 09 15.90806 | 22 54 46.61 | -06 50 42.0 | 22.8 R 950 |
| 1996 RR <sub>20</sub> | 1996 09 15.93966   | 22 54 46.48 | -06 50 42.9 | 22.8 R 950 |
| 1996 RR <sub>20</sub> | 1996 09 15.96133   | 22 54 46.38 | -06 50 43.8 | 22.8 R 950 |
| 1996 RR <sub>20</sub> | 1996 09 19.96075   | 22 54 29.37 | -06 52 32.9 | 950        |
| 1996 RR <sub>20</sub> | 1996 09 20.01390   | 22 54 29.13 | -06 52 34.5 | 950        |
| 1996 RR <sub>20</sub> | 1996 09 20.98355   | 22 54 25.06 | -06 53 00.9 | 950        |
| 1996 RR <sub>20</sub> | 1996 09 21.03082   | 22 54 24.86 | -06 53 02.0 | 950        |
| 1996 SZ <sub>4</sub>  | * 1996 09 16.09339 | 00 41 04.89 | +03 54 18.9 | 23 R 950   |
| 1996 SZ <sub>4</sub>  | 1996 09 16.12597   | 00 41 04.71 | +03 54 17.7 | 950        |
| 1996 SZ <sub>4</sub>  | 1996 09 19.98193   | 00 40 42.85 | +03 52 05.6 | 950        |
| 1996 SZ <sub>4</sub>  | 1996 09 20.03131   | 00 40 42.55 | +03 52 03.9 | 950        |
| 1996 SZ <sub>4</sub>  | 1996 09 21.00339   | 00 40 36.96 | +03 51 29.9 | 950        |

## 966 Church Stretton

S. P. Laurie, Toleman, 10 Hazler Orchard, Church Stetton, Shropshire SY6 7AL,  
England [100336.3635@compuserve.com]

0.25-m Schmidt Cassegrain + focal reducer + CCD  
GSC

|                      |                  |             |             |        |     |
|----------------------|------------------|-------------|-------------|--------|-----|
| 1995 OA <sub>2</sub> | 1996 09 13.99873 | 02 14 26.50 | +16 39 04.4 | 17.4 V | 966 |
| 1995 OA <sub>2</sub> | 1996 09 14.03022 | 02 14 25.98 | +16 38 58.8 |        | 966 |
| 1995 OA <sub>2</sub> | 1996 10 13.92171 | 01 58 18.02 | +14 11 15.0 | 16.7 V | 966 |
| 1995 OA <sub>2</sub> | 1996 10 13.92637 | 01 58 17.81 | +14 11 13.1 |        | 966 |
| 1996 QR <sub>1</sub> | 1996 09 05.90853 | 22 03 57.49 | -02 47 54.1 | 17.8 V | 966 |
| 1996 QR <sub>1</sub> | 1996 09 05.92933 | 22 03 56.41 | -02 47 58.2 |        | 966 |
| 1996 QR <sub>1</sub> | 1996 09 13.90082 | 21 58 00.74 | -03 16 29.3 | 17.6 V | 966 |
| 1996 QR <sub>1</sub> | 1996 09 13.92053 | 21 57 59.94 | -03 16 33.0 |        | 966 |
| 1996 QS <sub>1</sub> | 1996 09 05.90853 | 22 03 39.94 | -02 53 52.3 | 17.5 V | 966 |
| 1996 QS <sub>1</sub> | 1996 09 05.92933 | 22 03 38.93 | -02 53 56.2 |        | 966 |
| 1996 QS <sub>1</sub> | 1996 09 13.90082 | 21 57 22.27 | -03 24 58.4 | 17.6 V | 966 |
| 1996 QS <sub>1</sub> | 1996 09 13.92053 | 21 57 21.39 | -03 25 02.3 |        | 966 |
| 1996 RA <sub>5</sub> | 1996 10 01.91329 | 23 34 46.66 | +05 47 28.3 | 17.2 V | 966 |
| 1996 RA <sub>5</sub> | 1996 10 02.00313 | 23 34 42.35 | +05 47 11.9 |        | 966 |
| 1996 RA <sub>5</sub> | 1996 10 02.01888 | 23 34 41.57 | +05 47 08.1 |        | 966 |
| 1996 RA <sub>5</sub> | 1996 10 03.96604 | 23 33 10.54 | +05 41 16.7 | 17.2 V | 966 |

|                      |                    |             |             |        |     |
|----------------------|--------------------|-------------|-------------|--------|-----|
| 1996 RA <sub>5</sub> | 1996 10 03.99252   | 23 33 09.28 | +05 41 12.9 |        | 966 |
| 1996 RB <sub>5</sub> | 1996 10 01.97887   | 23 52 59.83 | +04 09 51.9 | 16.9 V | 966 |
| 1996 RB <sub>5</sub> | 1996 10 01.99770   | 23 52 58.99 | +04 09 41.2 |        | 966 |
| 1996 RB <sub>5</sub> | 1996 10 02.01334   | 23 52 58.32 | +04 09 32.4 |        | 966 |
| 1996 RB <sub>5</sub> | 1996 10 03.97163   | 23 51 42.47 | +03 52 00.7 | 16.9 V | 966 |
| 1996 RB <sub>5</sub> | 1996 10 04.00199   | 23 51 41.18 | +03 51 43.0 |        | 966 |
| 1996 RB <sub>5</sub> | 1996 10 04.02668   | 23 51 40.33 | +03 51 31.5 |        | 966 |
| 1996 RJ <sub>5</sub> | 1996 10 01.97016   | 23 56 11.99 | +04 48 48.6 | 16.3 V | 966 |
| 1996 RJ <sub>5</sub> | 1996 10 01.98370   | 23 56 11.15 | +04 48 47.2 |        | 966 |
| 1996 RK <sub>5</sub> | 1996 10 01.99251   | 23 59 25.44 | +04 30 30.5 | 16.7 V | 966 |
| 1996 RK <sub>5</sub> | 1996 10 02.00825   | 23 59 24.87 | +04 30 23.3 |        | 966 |
| 1996 RK <sub>5</sub> | 1996 10 03.98221   | 23 58 11.26 | +04 14 05.3 | 17.3 V | 966 |
| 1996 RK <sub>5</sub> | 1996 10 04.02117   | 23 58 09.76 | +04 13 46.1 |        | 966 |
| 1996 SR <sub>7</sub> | * 1996 09 16.97882 | 00 15 28.09 | +06 09 29.5 | 16.8 V | 966 |
| 1996 SR <sub>7</sub> | 1996 09 17.01144   | 00 15 26.31 | +06 09 22.1 |        | 966 |
| 1996 SR <sub>7</sub> | 1996 09 17.02030   | 00 15 25.88 | +06 09 17.4 |        | 966 |
| 1996 SR <sub>7</sub> | 1996 10 01.94803   | 00 02 35.78 | +04 47 38.2 | 16.2 V | 966 |
| 1996 SR <sub>7</sub> | 1996 10 01.95892   | 00 02 35.20 | +04 47 34.1 |        | 966 |
| 1996 SR <sub>7</sub> | 1996 10 02.02407   | 00 02 31.84 | +04 47 13.1 |        | 966 |
| 1996 SR <sub>7</sub> | 1996 10 03.91846   | 00 00 59.38 | +04 36 29.8 | 16.4 V | 966 |
| 1996 SR <sub>7</sub> | 1996 10 03.94514   | 00 00 57.96 | +04 36 21.3 |        | 966 |
| 1996 SR <sub>7</sub> | 1996 10 03.98722   | 00 00 55.91 | +04 36 07.1 |        | 966 |
| 1996 TP <sub>3</sub> | * 1996 10 04.91883 | 23 31 33.15 | +02 33 42.6 | 17.1 V | 966 |
| 1996 TP <sub>3</sub> | 1996 10 04.93922   | 23 31 31.24 | +02 33 57.7 |        | 966 |
| 1996 TP <sub>3</sub> | 1996 10 04.97568   | 23 31 27.82 | +02 34 24.6 |        | 966 |
| 1996 TP <sub>3</sub> | 1996 10 05.02462   | 23 31 23.29 | +02 35 02.3 |        | 966 |
| 1996 TP <sub>3</sub> | 1996 10 07.96470   | 23 27 02.46 | +03 11 05.6 | 17.3 V | 966 |
| 1996 TP <sub>3</sub> | 1996 10 07.96773   | 23 27 02.22 | +03 11 08.8 |        | 966 |
| 1996 TP <sub>3</sub> | 1996 10 13.88396   | 23 19 10.87 | +04 22 38.3 | 16.9 V | 966 |
| 1996 TP <sub>3</sub> | 1996 10 13.89315   | 23 19 10.24 | +04 22 47.0 |        | 966 |
| 1996 TX <sub>9</sub> | * 1996 10 04.94416 | 01 04 32.92 | +10 24 57.9 | 16.5 V | 966 |
| 1996 TX <sub>9</sub> | 1996 10 04.98084   | 01 04 31.08 | +10 24 46.2 |        | 966 |
| 1996 TX <sub>9</sub> | 1996 10 05.05176   | 01 04 27.67 | +10 24 21.4 |        | 966 |
| 1996 TX <sub>9</sub> | 1996 10 13.88896   | 00 57 29.62 | +09 30 02.1 | 16.7 V | 966 |
| 1996 TX <sub>9</sub> | 1996 10 13.93281   | 00 57 27.56 | +09 29 44.6 |        | 966 |
| (894)                | 1996 09 15.00295   | 23 50 12.46 | +04 10 50.0 | 13.0 V | 966 |
| (894)                | 1996 09 15.02456   | 23 50 11.59 | +04 10 38.9 |        | 966 |
| (894)                | 1996 09 15.04105   | 23 50 10.91 | +04 10 30.3 |        | 966 |
| (2606)               | 1996 10 01.94803   | 00 01 53.95 | +04 40 06.4 | 15.8 V | 966 |
| (2606)               | 1996 10 01.95892   | 00 01 53.50 | +04 40 02.4 |        | 966 |
| (4111)               | 1996 09 15.93076   | 00 09 28.92 | +05 30 50.0 | 17.2 V | 966 |
| (4111)               | 1996 09 15.95138   | 00 09 27.72 | +05 30 41.9 |        | 966 |

## 975 Valencia

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Measurers A. Lopez G., A. Flores M., A. J. Garcia F., J. A. Morano F.

0.15-m *f*/15 refractor

PPM, GSC

|     |                  |             |             |  |     |
|-----|------------------|-------------|-------------|--|-----|
| (1) | 1994 01 12.80807 | 01 44 09.47 | +03 42 00.2 |  | 975 |
| (1) | 1994 01 12.81026 | 01 44 09.61 | +03 42 02.0 |  | 975 |
| (1) | 1994 01 12.81574 | 01 44 09.73 | +03 42 03.9 |  | 975 |

|     |                  |             |             |     |
|-----|------------------|-------------|-------------|-----|
| (1) | 1994 01 12.81981 | 01 44 09.81 | +03 42 04.6 | 975 |
| (1) | 1994 01 12.82379 | 01 44 10.03 | +03 42 06.4 | 975 |
| (1) | 1994 01 12.82752 | 01 44 10.14 | +03 42 09.0 | 975 |
| (1) | 1994 01 12.83158 | 01 44 10.30 | +03 42 11.0 | 975 |
| (1) | 1994 01 12.83546 | 01 44 10.42 | +03 42 13.1 | 975 |
| (1) | 1994 01 12.83933 | 01 44 10.53 | +03 42 14.8 | 975 |
| (1) | 1994 01 13.82343 | 01 44 45.31 | +03 49 59.7 | 975 |
| (1) | 1994 01 13.82726 | 01 44 45.47 | +03 50 01.5 | 975 |
| (1) | 1994 01 13.83130 | 01 44 45.63 | +03 50 03.6 | 975 |
| (1) | 1994 01 13.83554 | 01 44 45.81 | +03 50 04.1 | 975 |
| (1) | 1994 01 13.83907 | 01 44 45.92 | +03 50 05.7 | 975 |
| (1) | 1994 01 13.84257 | 01 44 46.05 | +03 50 07.5 | 975 |
| (1) | 1994 01 25.83304 | 01 53 12.24 | +05 28 27.8 | 975 |
| (1) | 1994 01 25.83691 | 01 53 12.44 | +05 28 30.0 | 975 |
| (1) | 1994 01 25.84085 | 01 53 12.57 | +05 28 32.0 | 975 |
| (1) | 1994 01 25.84576 | 01 53 12.87 | +05 28 33.9 | 975 |
| (1) | 1994 01 25.85004 | 01 53 13.03 | +05 28 35.6 | 975 |
| (1) | 1994 01 25.85396 | 01 53 13.25 | +05 28 37.7 | 975 |
| (1) | 1994 01 26.82561 | 01 54 00.39 | +05 36 53.9 | 975 |
| (1) | 1994 01 26.82951 | 01 54 00.63 | +05 36 56.1 | 975 |
| (1) | 1994 01 26.83339 | 01 54 00.80 | +05 36 57.6 | 975 |
| (1) | 1994 01 26.83753 | 01 54 00.96 | +05 37 00.1 | 975 |
| (1) | 1994 01 26.84137 | 01 54 01.15 | +05 37 01.5 | 975 |
| (1) | 1994 01 26.84523 | 01 54 01.38 | +05 37 03.2 | 975 |
| (1) | 1994 01 28.83366 | 01 55 40.70 | +05 54 03.6 | 975 |
| (1) | 1994 01 28.83754 | 01 55 40.91 | +05 54 05.4 | 975 |
| (1) | 1994 01 28.84135 | 01 55 41.09 | +05 54 07.0 | 975 |
| (1) | 1994 01 28.84643 | 01 55 41.28 | +05 54 10.0 | 975 |
| (1) | 1994 01 28.85023 | 01 55 41.50 | +05 54 12.1 | 975 |
| (1) | 1994 01 28.85458 | 01 55 41.74 | +05 54 14.1 | 975 |
| (2) | 1993 11 15.79690 | 21 36 25.01 | -05 56 44.1 | 975 |
| (2) | 1993 11 15.80227 | 21 36 25.23 | -05 56 47.0 | 975 |
| (9) | 1994 01 11.77248 | 00 36 37.48 | +00 32 26.6 | 975 |
| (9) | 1994 01 11.77849 | 00 36 37.91 | +00 32 31.0 | 975 |
| (9) | 1994 01 13.77889 | 00 39 21.92 | +00 55 41.7 | 975 |
| (9) | 1994 01 13.78515 | 00 39 22.42 | +00 55 45.9 | 975 |
| (9) | 1994 01 13.79232 | 00 39 23.00 | +00 55 50.9 | 975 |
| (9) | 1994 01 13.79896 | 00 39 23.59 | +00 55 55.4 | 975 |
| (9) | 1994 01 13.80538 | 00 39 23.99 | +00 55 59.6 | 975 |
| (9) | 1994 01 13.81150 | 00 39 24.48 | +00 56 04.3 | 975 |
| (9) | 1994 01 25.78865 | 00 56 47.58 | +03 18 01.6 | 975 |
| (9) | 1994 01 25.79455 | 00 56 48.26 | +03 18 06.6 | 975 |
| (9) | 1994 01 25.80101 | 00 56 48.74 | +03 18 11.9 | 975 |
| (9) | 1994 01 25.80710 | 00 56 49.34 | +03 18 16.0 | 975 |
| (9) | 1994 01 25.81344 | 00 56 49.79 | +03 18 20.0 | 975 |
| (9) | 1994 01 25.81978 | 00 56 50.35 | +03 18 25.2 | 975 |
| (9) | 1994 01 26.78144 | 00 58 18.50 | +03 30 00.6 | 975 |
| (9) | 1994 01 26.78809 | 00 58 19.04 | +03 30 05.2 | 975 |
| (9) | 1994 01 26.79463 | 00 58 19.55 | +03 30 09.4 | 975 |
| (9) | 1994 01 26.80085 | 00 58 20.12 | +03 30 14.8 | 975 |
| (9) | 1994 01 26.80724 | 00 58 20.78 | +03 30 19.3 | 975 |
| (9) | 1994 01 26.81331 | 00 58 21.42 | +03 30 25.1 | 975 |

|       |                  |             |             |     |
|-------|------------------|-------------|-------------|-----|
| (9)   | 1994 01 28.79326 | 01 01 24.47 | +03 54 19.2 | 975 |
| (9)   | 1994 01 28.79915 | 01 01 25.01 | +03 54 22.5 | 975 |
| (9)   | 1994 01 28.80538 | 01 01 25.47 | +03 54 26.7 | 975 |
| (9)   | 1994 01 28.81173 | 01 01 26.08 | +03 54 32.0 | 975 |
| (9)   | 1994 01 28.81825 | 01 01 26.90 | +03 54 38.1 | 975 |
| (9)   | 1994 01 28.82414 | 01 01 27.21 | +03 54 41.6 | 975 |
| (10)  | 1994 05 18.88500 | 12 30 25.48 | -08 57 37.9 | 975 |
| (10)  | 1994 05 18.88990 | 12 30 25.38 | -08 57 37.1 | 975 |
| (10)  | 1994 05 18.89432 | 12 30 25.41 | -08 57 35.6 | 975 |
| (10)  | 1994 05 18.89908 | 12 30 25.34 | -08 57 35.3 | 975 |
| (10)  | 1994 05 18.90361 | 12 30 25.31 | -08 57 34.4 | 975 |
| (10)  | 1994 05 18.90877 | 12 30 25.28 | -08 57 33.6 | 975 |
| (10)  | 1994 05 18.91458 | 12 30 25.24 | -08 57 32.8 | 975 |
| (10)  | 1994 05 18.91912 | 12 30 25.22 | -08 57 32.7 | 975 |
| (10)  | 1994 05 18.92381 | 12 30 25.14 | -08 57 31.3 | 975 |
| (37)  | 1994 02 10.81215 | 06 11 47.55 | +27 56 07.1 | 975 |
| (37)  | 1994 02 10.81947 | 06 11 47.66 | +27 56 06.2 | 975 |
| (37)  | 1994 02 10.82703 | 06 11 47.57 | +27 56 05.3 | 975 |
| (37)  | 1994 02 10.83451 | 06 11 47.53 | +27 56 03.7 | 975 |
| (97)  | 1994 02 10.84948 | 06 55 02.83 | +10 08 59.7 | 975 |
| (97)  | 1994 02 10.85692 | 06 55 02.77 | +10 09 05.1 | 975 |
| (654) | 1994 12 27.03637 | 06 56 18.18 | +22 45 15.0 | 975 |
| (654) | 1994 12 27.04289 | 06 56 17.69 | +22 45 08.9 | 975 |
| (654) | 1994 12 28.85130 | 06 53 55.19 | +22 16 11.2 | 975 |
| (654) | 1994 12 28.85637 | 06 53 54.74 | +22 16 05.7 | 975 |

**979 South Wonston**

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0.30-m Catadioptric + CCD

GSC

|        |                  |             |             |        |     |
|--------|------------------|-------------|-------------|--------|-----|
| (1436) | 1996 09 14.93542 | 22 59 05.14 | +15 54 01.1 | 14.1 V | 979 |
| (1436) | 1996 09 14.94028 | 22 59 04.93 | +15 53 59.8 | 14.1 V | 979 |
| (1436) | 1996 09 14.94722 | 22 59 04.61 | +15 53 57.5 | 14.1 V | 979 |
| (1436) | 1996 09 14.95278 | 22 59 04.34 | +15 53 55.5 | 14.2 V | 979 |

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**C/1995 O1 (Hale-Bopp)**

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

| $T$ 1997 Apr. 1.13453 TT |                    | Marsden     |             |
|--------------------------|--------------------|-------------|-------------|
| $q$                      | (2000.0)           | P           | Q           |
| $z$                      | $\omega$ 130.59083 | -0.13311754 | -0.17030684 |
|                          | $\Omega$ 282.47069 | +0.28232889 | +0.93779364 |
| $e$                      | $i$ 89.42936       | +0.95003690 | -0.30255358 |

From 1385 observations 1993 Apr. 27–1996 Oct. 16, mean residual 0".75.

**C/1996 P2 (Russell-Watson)**

$T$  1996 Mar. 1.31559 TT

| $q$ 2.0059254 (2000.0) |                    | Nakano      |             |
|------------------------|--------------------|-------------|-------------|
| $\omega$               | 188.80184          | P           | Q           |
|                        | $\Omega$ 101.40047 | +0.32642350 | +0.81633771 |
| $e$ 1.0                | $i$ 29.08313       | -0.83495059 | +0.48531665 |
|                        |                    | -0.44306345 | -0.31314614 |

From 78 observations 1996 Aug. 11–Oct. 14.

**C/1996 Q1 (Tabur)**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| $T$ 1996 Nov. 3.52688 TT |                   | Marsden     |             |
|--------------------------|-------------------|-------------|-------------|
| $q$                      | (2000.0)          | P           | Q           |
| $z$                      | $\omega$ 57.40724 | +0.33404878 | -0.79949931 |
|                          | $\Omega$ 31.40177 | +0.12535950 | -0.48724573 |
| $e$                      | $i$ 73.35813      | +0.93418221 | +0.35127263 |

From 139 observations 1996 Aug. 21–Oct. 16, mean residual 0".72.

**C/1996 R1 (Hergenrother-Spahr)**

Epoch 1996 Aug. 25.0 TT = JDT 2450320.5

| $T$ 1996 Aug. 28.72335 TT |                    | Marsden     |             |
|---------------------------|--------------------|-------------|-------------|
| $q$                       | (2000.0)           | P           | Q           |
| $z$                       | $\omega$ 139.45394 | +0.92730865 | +0.24487387 |
|                           | $\Omega$ 149.74928 | -0.07035186 | -0.62879563 |
| $e$                       | $i$ 145.81196      | +0.36762655 | -0.73800599 |

From 245 observations 1996 Sept. 8–Oct. 18, mean residual 0".51.

**P/1996 R2 (Lagerkvist)**

$T$  1997 Jan. 19.70954 TT

| $q$ 2.6083945 (2000.0) |                   | Nakano      |             |
|------------------------|-------------------|-------------|-------------|
| $\omega$               | 334.18825         | P           | Q           |
| $n$                    | $\Omega$ 40.25683 | +0.96809649 | -0.24885069 |
| $a$                    | $i$ 2.60485       | +0.23705398 | +0.87155228 |
| $e$                    |                   | +0.08120716 | +0.42245704 |
| $P$ 7.37               |                   |             |             |

From 90 observations 1996 Sept. 11–Oct. 16.

**129P/Shoemaker-Levy 3**

Epoch 1998 Mar. 8.0 TT = JDT 2450880.5

| $T$ 1998 Mar. 4.94745 TT |                    | Marsden     |             |
|--------------------------|--------------------|-------------|-------------|
| $q$                      | (2000.0)           | P           | Q           |
| $n$                      | $\omega$ 181.38858 | -0.57493917 | -0.81496668 |
| $a$                      | $\Omega$ 303.71218 | +0.75151935 | -0.49090510 |
| $e$                      | $i$ 5.00863        | +0.32351756 | -0.30796346 |
| $P$ 7.25                 |                    |             |             |

From 25 observations 1991–1996, mean residual 0".62.

## One-opposition minor planets

| Planet                | $H$  | Epoch  | $M$    | $\omega$ | $\Omega$ | $i$   | $e$    | $a$    | Arc | O  | N | C |
|-----------------------|------|--------|--------|----------|----------|-------|--------|--------|-----|----|---|---|
| 1994 CZ <sub>18</sub> | 13.0 | 940128 | 139.48 | 355.05   | 336.01   | 2.46  | 0.0870 | 2.3526 | 2   | 4  | E | W |
| 1995 SX <sub>4</sub>  | 13.5 | 950920 | 348.39 | 58.37    | 305.62   | 6.64  | 0.1202 | 2.2227 | 8   | 6  |   | W |
| 1996 HP               | 14.5 | 960427 | 49.15  | 111.74   | 52.65    | 14.45 | 0.0896 | 2.5820 | 50  | 30 |   | M |
| 1996 HV               | 15.5 | 960427 | 354.96 | 168.64   | 61.38    | 9.17  | 0.1616 | 2.7806 | 48  | 32 |   | M |
| 1996 HM <sub>16</sub> | 15.0 | 960427 | 337.15 | 32.97    | 221.15   | 6.53  | 0.1824 | 2.5863 | 34  | 18 |   | M |
| 1996 HT <sub>16</sub> | 13.5 | 960427 | 183.54 | 216.92   | 181.78   | 1.70  | 0.0515 | 2.9284 | 34  | 15 |   | M |
| 1996 HJ <sub>17</sub> | 14.5 | 960427 | 284.00 | 85.74    | 217.31   | 5.15  | 0.0467 | 2.4860 | 34  | 21 |   | M |
| 1996 HY <sub>17</sub> | 13.5 | 960427 | 272.04 | 186.63   | 147.27   | 2.32  | 0.2098 | 3.0767 | 35  | 15 |   | M |
| 1996 HU <sub>18</sub> | 13.5 | 960427 | 358.79 | 55.94    | 168.30   | 1.21  | 0.1162 | 3.1129 | 35  | 21 |   | M |
| 1996 HY <sub>18</sub> | 13.5 | 960427 | 278.54 | 93.96    | 215.85   | 9.20  | 0.0445 | 3.1108 | 35  | 15 |   | M |
| 1996 HC <sub>19</sub> | 14.0 | 960427 | 216.16 | 173.22   | 199.68   | 2.34  | 0.1070 | 2.3987 | 35  | 15 |   | M |
| 1996 HN <sub>19</sub> | 14.0 | 960427 | 228.34 | 155.48   | 209.55   | 6.50  | 0.1411 | 2.3576 | 35  | 15 |   | M |
| 1996 HQ <sub>19</sub> | 13.5 | 960427 | 340.55 | 92.21    | 155.05   | 0.61  | 0.0990 | 3.2174 | 35  | 15 |   | M |
| 1996 HS <sub>19</sub> | 14.5 | 960427 | 332.28 | 131.16   | 130.49   | 1.62  | 0.1686 | 3.1500 | 35  | 18 |   | M |
| 1996 HO <sub>20</sub> | 15.0 | 960427 | 344.39 | 182.55   | 60.79    | 3.29  | 0.1482 | 2.4065 | 35  | 21 |   | M |
| 1996 HR <sub>20</sub> | 13.0 | 960427 | 101.47 | 260.20   | 218.59   | 10.07 | 0.0367 | 3.1208 | 35  | 15 |   | M |
| 1996 HT <sub>20</sub> | 14.5 | 960427 | 81.86  | 356.59   | 135.18   | 1.18  | 0.0810 | 2.4089 | 35  | 15 |   | M |
| 1996 HV <sub>20</sub> | 15.0 | 960427 | 345.47 | 77.07    | 165.27   | 2.79  | 0.1603 | 2.4484 | 35  | 15 |   | M |
| 1996 HH <sub>21</sub> | 13.5 | 960427 | 305.21 | 194.45   | 104.93   | 2.37  | 0.1949 | 3.1754 | 35  | 18 |   | M |
| 1996 HL <sub>21</sub> | 15.0 | 960427 | 315.46 | 241.84   | 56.16    | 4.74  | 0.2970 | 2.6082 | 35  | 15 |   | M |
| 1996 HM <sub>21</sub> | 15.5 | 960427 | 15.48  | 150.30   | 53.71    | 4.87  | 0.0801 | 2.1921 | 35  | 15 |   | M |
| 1996 HR <sub>21</sub> | 13.5 | 960427 | 319.38 | 104.99   | 174.66   | 1.18  | 0.1672 | 3.1677 | 35  | 21 |   | M |
| 1996 HS <sub>22</sub> | 15.0 | 960427 | 54.02  | 87.73    | 70.45    | 1.44  | 0.1092 | 2.2783 | 33  | 18 |   | M |
| 1996 HV <sub>22</sub> | 15.0 | 960427 | 292.51 | 243.33   | 66.01    | 4.83  | 0.1688 | 2.2494 | 33  | 15 |   | M |
| 1996 HW <sub>22</sub> | 15.5 | 960427 | 336.70 | 46.74    | 210.16   | 2.02  | 0.1830 | 2.4178 | 33  | 15 |   | M |
| 1996 HY <sub>22</sub> | 15.0 | 960427 | 27.65  | 353.53   | 195.51   | 2.50  | 0.1156 | 2.5639 | 33  | 15 |   | M |
| 1996 HZ <sub>22</sub> | 14.5 | 960427 | 86.49  | 283.48   | 204.71   | 6.21  | 0.0744 | 2.1853 | 35  | 20 |   | M |
| 1996 HN <sub>23</sub> | 15.0 | 960427 | 306.60 | 202.02   | 88.51    | 3.80  | 0.1392 | 2.2699 | 33  | 15 |   | M |
| 1996 HO <sub>23</sub> | 14.5 | 960427 | 81.96  | 292.49   | 202.35   | 5.04  | 0.0621 | 2.3158 | 33  | 15 |   | M |
| 1996 HP <sub>23</sub> | 14.0 | 960427 | 149.53 | 12.50    | 58.37    | 7.05  | 0.0736 | 2.4537 | 33  | 15 |   | M |
| 1996 HW <sub>23</sub> | 14.5 | 960427 | 72.23  | 63.62    | 69.58    | 6.37  | 0.1578 | 2.3669 | 33  | 15 |   | M |
| 1996 HX <sub>23</sub> | 15.5 | 960427 | 335.76 | 192.21   | 64.00    | 6.89  | 0.1512 | 2.5393 | 33  | 15 |   | M |
| 1996 HC <sub>24</sub> | 14.0 | 960427 | 232.88 | 293.22   | 66.92    | 6.90  | 0.1035 | 2.3821 | 33  | 15 |   | M |
| 1996 HN <sub>24</sub> | 15.0 | 960427 | 28.58  | 114.39   | 73.51    | 5.58  | 0.1082 | 2.2386 | 33  | 21 |   | M |
| 1996 KB               | 14.5 | 960517 | 333.13 | 34.19    | 231.02   | 2.45  | 0.1574 | 2.5521 | 7   | 15 |   | M |
| 1996 KU <sub>1</sub>  | 16.5 | 960517 | 344.88 | 70.00    | 206.65   | 8.78  | 0.3452 | 2.5792 | 19  | 17 |   | W |
| 1996 KQ <sub>7</sub>  | 14.0 | 960517 | 110.28 | 229.57   | 225.77   | 7.53  | 0.2234 | 2.3284 | 4   | 9  |   | M |
| 1996 KS <sub>7</sub>  | 14.5 | 960517 | 308.24 | 199.64   | 114.82   | 2.48  | 0.3195 | 2.7098 | 4   | 9  |   | M |
| 1996 KW <sub>7</sub>  | 15.5 | 960517 | 312.66 | 83.04    | 220.90   | 5.31  | 0.2646 | 2.3676 | 4   | 9  | E | W |
| 1996 KY <sub>7</sub>  | 15.0 | 960517 | 310.18 | 226.86   | 66.22    | 7.14  | 0.1542 | 2.4221 | 4   | 9  |   | M |
| 1996 KB <sub>8</sub>  | 14.5 | 960517 | 303.68 | 213.53   | 78.00    | 4.39  | 0.0746 | 2.5426 | 4   | 9  |   | M |
| 1996 KK <sub>8</sub>  | 16.0 | 960517 | 4.75   | 358.08   | 224.64   | 6.70  | 0.2214 | 2.3149 | 4   | 9  |   | M |
| 1996 KM <sub>8</sub>  | 14.0 | 960517 | 56.68  | 80.16    | 52.96    | 19.92 | 0.3328 | 2.9055 | 4   | 9  |   | M |
| 1996 KN <sub>8</sub>  | 14.5 | 960517 | 139.57 | 262.19   | 180.25   | 2.79  | 0.0970 | 2.2026 | 4   | 9  |   | M |
| 1996 KP <sub>8</sub>  | 14.5 | 960427 | 78.01  | 327.62   | 162.57   | 2.91  | 0.1304 | 2.5555 | 35  | 12 |   | M |

|                      |      |        |        |        |        |       |        |        |    |    |   |   |                            |             |               |               |               |               |              |               |               |           |           |          |
|----------------------|------|--------|--------|--------|--------|-------|--------|--------|----|----|---|---|----------------------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|-----------|-----------|----------|
| 1996 KS <sub>8</sub> | 13.0 | 960517 | 87.82  | 261.22 | 223.27 | 10.58 | 0.1368 | 2.9714 | 4  | 9  | E | M | 1996 RH <sub>1</sub>       | 16.0        | 960825        | 44.98         | 351.88        | 297.21        | 7.54         | 0.1939        | 2.3913        | 18        | 12        | W        |
| 1996 KT <sub>8</sub> | 15.0 | 960517 | 348.38 | 22.03  | 222.76 | 6.11  | 0.1187 | 2.2951 | 4  | 9  |   | M | 1996 RZ <sub>1</sub>       | 14.5        | 960825        | 190.26        | 3.37          | 154.83        | 8.24         | 0.2556        | 2.6558        | 2         | 8         | E W      |
| 1996 KV <sub>8</sub> | 15.5 | 960517 | 326.30 | 60.15  | 224.19 | 5.07  | 0.2475 | 2.5271 | 4  | 9  |   | M | 1996 RA <sub>2</sub>       | 14.5        | 960914        | 293.82        | 309.52        | 114.23        | 3.08         | 0.0927        | 2.8791        | 6         | 10        | W        |
| 1996 KB <sub>9</sub> | 12.5 | 960517 | 265.30 | 280.98 | 64.87  | 12.59 | 0.2253 | 3.1358 | 4  | 9  |   | M | 1996 RG <sub>2</sub>       | 14.5        | 960825        | 77.06         | 98.44         | 161.88        | 2.67         | 0.0706        | 2.9211        | 6         | 9         | E W      |
| 1996 KG <sub>9</sub> | 13.5 | 960517 | 303.78 | 87.91  | 202.43 | 3.94  | 0.0555 | 3.1017 | 4  | 9  | E | W | 1996 RN <sub>2</sub>       | 14.5        | 960914        | 29.93         | 40.54         | 283.17        | 18.37        | 0.0526        | 1.9254        | 24        | 12        | W        |
| 1996 NS              | 14.0 | 960805 | 11.34  | 158.95 | 135.74 | 9.83  | 0.0948 | 3.0451 | 67 | 29 |   | W | 1996 RO <sub>2</sub>       | 16.5        | 960914        | 31.91         | 120.15        | 188.68        | 11.66        | 0.2743        | 2.6001        | 3         | 6         | M        |
| 1996 NA <sub>5</sub> | 12.0 | 960716 | 251.23 | 132.39 | 322.58 | 13.75 | 0.2447 | 3.1967 | 7  | 9  | E | W | 1996 RP <sub>2</sub>       | 14.0        | 960914        | 221.50        | 162.89        | 348.55        | 4.31         | 0.0711        | 3.1936        | 26        | 10        | M        |
| 1996 NB <sub>5</sub> | 15.0 | 960716 | 339.75 | 32.05  | 310.21 | 5.15  | 0.1718 | 2.2318 | 7  | 9  |   | W | 1996 RR <sub>2</sub>       | 14.5        | 960914        | 155.37        | 257.32        | 308.31        | 22.63        | 0.0748        | 1.9054        | 25        | 12        | W        |
| 1996 NC <sub>5</sub> | 13.5 | 960716 | 348.49 | 230.74 | 104.31 | 0.59  | 0.1685 | 3.0226 | 7  | 9  | E | W | 1996 RU <sub>2</sub>       | 15.5        | 960825        | 75.75         | 214.40        | 40.56         | 1.00         | 0.1268        | 2.2328        | 5         | 9         | E W      |
| 1996 ND <sub>5</sub> | 14.0 | 960716 | 13.76  | 356.25 | 304.17 | 0.48  | 0.1608 | 3.1328 | 36 | 12 |   | W | 1996 RY <sub>2</sub>       | 17.0        | 960914        | 347.78        | 189.64        | 178.81        | 12.61        | 0.2070        | 2.4750        | 3         | 9         | W        |
| 1996 NE <sub>5</sub> | 14.0 | 960805 | 28.96  | 26.34  | 267.91 | 1.17  | 0.0332 | 2.9149 | 59 | 12 |   | W | 1996 RB <sub>3</sub>       | 18.0        | 960914        | 19.24         | 339.49        | 353.95        | 31.29        | 0.0589        | 1.8683        | 24        | 16        | W        |
| 1996 NG <sub>5</sub> | 16.0 | 960716 | 26.30  | 295.92 | 343.37 | 1.76  | 0.1455 | 2.2342 | 29 | 12 |   | W | 1996 RH <sub>3</sub>       | 14.5        | 960914        | 101.31        | 85.45         | 154.84        | 4.76         | 0.1623        | 3.1707        | 21        | 13        | W        |
| 1996 NH <sub>5</sub> | 14.5 | 960716 | 24.08  | 309.50 | 326.73 | 4.96  | 0.2497 | 2.7367 | 7  | 9  |   | W | 1996 RK <sub>3</sub>       | 16.0        | 960914        | 26.82         | 185.16        | 100.78        | 5.12         | 0.2098        | 2.3112        | 32        | 18        | M        |
| 1996 NJ <sub>5</sub> | 13.5 | 960716 | 31.72  | 322.71 | 308.92 | 1.61  | 0.2186 | 3.1385 | 7  | 9  |   | W | 1996 RM <sub>3</sub>       | 15.5        | 960914        | 339.56        | 34.46         | 358.29        | 6.93         | 0.3721        | 2.6246        | 10        | 17        | W        |
| 1996 NK <sub>5</sub> | 13.5 | 960805 | 107.72 | 32.91  | 176.12 | 0.80  | 0.0917 | 3.1125 | 65 | 12 |   | W | 1996 RS <sub>3</sub>       | 16.0        | 960914        | 338.68        | 12.83         | 6.89          | 2.57         | 0.0804        | 2.5906        | 28        | 15        | W        |
| 1996 NL <sub>5</sub> | 13.0 | 960716 | 276.74 | 59.54  | 10.32  | 2.23  | 0.2295 | 2.7459 | 7  | 9  | E | W | 1996 RV <sub>3</sub>       | 16.5        | 960825        | 17.15         | 317.73        | 358.20        | 10.77        | 0.2631        | 2.4618        | 10        | 19        | W        |
| 1996 NM <sub>5</sub> | 14.5 | 960716 | 23.75  | 320.97 | 319.73 | 6.22  | 0.1944 | 2.4558 | 7  | 9  |   | W | 1996 RW <sub>3</sub>       | 17.0        | 960914        | 5.30          | 179.67        | 166.45        | 3.05         | 0.1858        | 2.2061        | 5         | 12        | W        |
| 1996 NN <sub>5</sub> | 14.0 | 960716 | 32.76  | 122.19 | 141.13 | 3.48  | 0.2742 | 2.9346 | 7  | 9  | E | W | <b>1996 RY<sub>3</sub></b> | <b>21.0</b> | <b>960914</b> | <b>269.43</b> | <b>284.74</b> | <b>174.32</b> | <b>37.42</b> | <b>0.1393</b> | <b>1.2106</b> | <b>16</b> | <b>26</b> | <b>W</b> |
| 1996 NR <sub>5</sub> | 14.5 | 960716 | 355.61 | 36.06  | 275.21 | 11.98 | 0.1447 | 2.5898 | 6  | 6  |   | W | 1996 RZ <sub>3</sub>       | 13.5        | 960914        | 323.49        | 83.48         | 320.01        | 12.72        | 0.1716        | 2.8102        | 21        | 11        | W        |
| 1996 NS <sub>5</sub> | 15.0 | 960716 | 11.23  | 50.54  | 238.13 | 6.52  | 0.1508 | 2.3175 | 6  | 6  |   | W | 1996 RA <sub>4</sub>       | 16.5        | 960914        | 32.72         | 61.79         | 241.26        | 5.14         | 0.2089        | 2.1554        | 5         | 10        | W        |
| 1996 OR <sub>1</sub> | 14.0 | 960805 | 229.21 | 168.54 | 3.34   | 5.95  | 0.0767 | 2.2943 | 64 | 15 |   | W | 1996 RD <sub>4</sub>       | 13.0        | 960914        | 81.80         | 252.84        | 48.94         | 13.36        | 0.1636        | 2.7202        | 40        | 23        | W        |
| 1996 OE <sub>2</sub> | 13.5 | 960805 | 63.46  | 337.20 | 295.19 | 13.47 | 0.1359 | 2.6397 | 64 | 29 |   | W | 1996 RE <sub>4</sub>       | 13.0        | 960914        | 38.78         | 306.06        | 26.70         | 12.75        | 0.1706        | 2.6073        | 25        | 13        | W        |
| 1996 OM <sub>2</sub> | 14.5 | 960825 | 307.57 | 126.53 | 260.73 | 7.94  | 0.2250 | 2.7385 | 63 | 17 |   | W | 1996 RF <sub>4</sub>       | 13.5        | 960914        | 301.37        | 256.05        | 177.97        | 24.07        | 0.1033        | 3.0372        | 34        | 20        | M        |
| 1996 OD <sub>3</sub> | 15.5 | 960716 | 326.50 | 85.51  | 263.69 | 4.85  | 0.1644 | 2.2238 | 6  | 8  |   | W | 1996 RP <sub>4</sub>       | 18.5        | 960914        | 349.42        | 14.31         | 357.12        | 6.48         | 0.2373        | 2.2422        | 5         | 12        | W        |
| 1996 PL              | 14.5 | 960825 | 38.87  | 61.60  | 220.12 | 12.15 | 0.1881 | 2.6286 | 56 | 24 |   | W | 1996 RX <sub>4</sub>       | 16.5        | 960914        | 0.93          | 352.24        | 7.40          | 2.59         | 0.2127        | 2.4433        | 17        | 12        | W        |
| 1996 PA <sub>1</sub> | 15.0 | 960825 | 339.51 | 213.24 | 133.69 | 7.41  | 0.1346 | 2.3778 | 52 | 26 |   | W | 1996 RA <sub>5</sub>       | 13.5        | 960914        | 317.07        | 85.88         | 326.45        | 8.68         | 0.1364        | 2.9825        | 20        | 9         | W        |
| 1996 PB <sub>1</sub> | 16.0 | 960825 | 9.00   | 336.73 | 343.59 | 2.08  | 0.2146 | 2.3789 | 64 | 33 |   | W | 1996 RB <sub>5</sub>       | 15.5        | 960914        | 11.70         | 123.72        | 215.44        | 4.02         | 0.2007        | 2.2277        | 19        | 11        | W        |
| 1996 PF <sub>1</sub> | 14.0 | 960825 | 50.71  | 256.70 | 359.88 | 4.90  | 0.1299 | 3.1063 | 61 | 26 |   | W | 1996 RG <sub>5</sub>       | 14.0        | 960914        | 325.07        | 274.00        | 124.04        | 8.61         | 0.1966        | 2.2772        | 32        | 9         | N        |
| 1996 PG <sub>1</sub> | 15.0 | 960914 | 29.73  | 296.91 | 356.69 | 3.36  | 0.1508 | 2.2841 | 69 | 42 |   | W | 1996 RK <sub>5</sub>       | 13.0        | 960914        | 23.06         | 132.68        | 198.62        | 10.95        | 0.1133        | 3.2009        | 18        | 9         | W        |
| 1996 PS <sub>1</sub> | 10.5 | 960825 | 309.57 | 183.98 | 201.63 | 21.27 | 0.0859 | 5.1796 | 60 | 20 |   | W | 1996 RM <sub>5</sub>       | 15.0        | 960914        | 27.63         | 133.48        | 166.18        | 14.12        | 0.1597        | 2.7895        | 24        | 14        | W        |
| 1996 PK <sub>2</sub> | 15.5 | 960716 | 342.39 | 202.52 | 139.32 | 15.18 | 0.1438 | 2.5675 | 37 | 21 |   | W | 1996 RO <sub>5</sub>       | 14.5        | 960825        | 60.62         | 100.68        | 155.18        | 11.66        | 0.1533        | 2.5862        | 37        | 15        | W        |
| 1996 PW <sub>2</sub> | 16.5 | 960825 | 18.59  | 217.48 | 85.35  | 2.12  | 0.2018 | 2.4200 | 56 | 18 |   | W | 1996 RP <sub>5</sub>       | 16.5        | 960914        | 324.54        | 168.95        | 249.50        | 6.17         | 0.2067        | 2.3364        | 6         | 12        | W        |
| 1996 PD <sub>3</sub> | 14.0 | 960825 | 307.27 | 306.22 | 83.86  | 3.95  | 0.0134 | 2.6244 | 54 | 34 |   | W | 1996 RR <sub>5</sub>       | 13.5        | 960914        | 358.15        | 83.27         | 256.29        | 22.89        | 0.3745        | 3.1505        | 32        | 21        | W        |
| 1996 PM <sub>4</sub> | 13.0 | 960716 | 114.60 | 162.84 | 34.29  | 1.47  | 0.1289 | 3.1806 | 34 | 17 |   | W | 1996 RT <sub>5</sub>       | 14.5        | 960914        | 153.60        | 201.91        | 18.76         | 15.74        | 0.1025        | 2.5908        | 28        | 10        | W        |
| 1996 PB <sub>5</sub> | 15.5 | 960805 | 309.53 | 85.44  | 305.74 | 3.34  | 0.1715 | 2.2598 | 62 | 21 |   | W | 1996 RU <sub>5</sub>       | 17.5        | 960914        | 6.74          | 238.50        | 102.65        | 1.86         | 0.2197        | 2.3544        | 25        | 14        | W        |
| 1996 PJ <sub>5</sub> | 13.5 | 960825 | 331.42 | 25.73  | 334.75 | 11.63 | 0.1240 | 3.1949 | 49 | 30 |   | W | 1996 RX <sub>6</sub>       | 17.0        | 960825        | 332.07        | 207.77        | 182.72        | 1.31         | 0.2160        | 2.5831        | 14        | 11        | W        |
| 1996 PW <sub>6</sub> | 14.3 | 960914 | 348.46 | 18.77  | 340.90 | 1.72  | 0.1979 | 2.4324 | 68 | 15 |   | N | 1996 RO <sub>7</sub>       | 17.5        | 960914        | 277.04        | 85.90         | 357.15        | 3.49         | 0.0335        | 2.7609        | 17        | 9         | W        |
| 1996 PA <sub>7</sub> | 14.0 | 960914 | 344.84 | 303.46 | 85.97  | 25.40 | 0.3517 | 2.3245 | 67 | 15 |   | W | 1996 RQ <sub>7</sub>       | 19.5        | 960914        | 30.24         | 308.11        | 356.44        | 3.79         | 0.2573        | 2.2750        | 17        | 12        | W        |
| 1996 PW <sub>8</sub> | 14.5 | 960716 | 23.85  | 326.73 | 316.17 | 12.95 | 0.1478 | 2.5431 | 25 | 12 |   | W | 1996 RE <sub>11</sub>      | 13.5        | 960914        | 252.86        | 85.45         | 10.35         | 3.62         | 0.0471        | 5.2409        | 13        | 8         | E W      |
| 1996 PO <sub>9</sub> | 14.5 | 960805 | 18.59  | 155.02 | 135.71 | 12.46 | 0.1572 | 2.6152 | 8  | 8  |   | M | 1996 RR <sub>11</sub>      | 15.5        | 960825        | 276.24        | 52.96         | 17.52         | 3.23         | 0.0455        | 2.6429        | 9         | 8         | W        |
| 1996 PU <sub>9</sub> | 16.5 | 960805 | 344.38 | 170.48 | 187.36 | 4.49  | 0.2748 | 2.4676 | 13 | 6  |   | W | 1996 RT <sub>11</sub>      | 15.5        | 960914        | 9.85          | 299.77        | 35.25         | 2.26         | 0.0800        | 2.8842        | 13        | 8         | W        |
| 1996 QD              | 14.5 | 960914 | 28.99  | 85.04  | 209.25 | 11.39 | 0.1712 | 2.6360 | 58 | 23 |   | W | 1996 RX <sub>11</sub>      | 17.0        | 960825        | 80.40         | 103.58        | 150.73        | 7.54         | 0.0672        | 2.5442        | 9         | 7         | W        |
| 1996 QE              | 14.5 | 960825 | 4.79   | 167.56 | 174.92 | 14.39 | 0.1480 | 2.5754 | 49 | 34 |   | W | 1996 RA <sub>12</sub>      | 16.0        | 960825        | 337.22        | 256.18        | 118.56        | 2.92         | 0.1763        | 3.0811        | 9         | 7         | W        |
| 1996 QV              | 17.0 | 960825 | 355.79 | 21.94  | 316.91 | 1.98  | 0.1997 | 2.4552 | 31 | 11 |   | W | 1996 RB <sub>12</sub>      | 18.0        | 960825        | 173.71        | 75.76         | 91.83         | 2.00         | 0.0512        | 2.1662        | 9         | 7         | W        |
| 1996 QA <sub>1</sub> | 16.0 | 960825 | 340.65 | 210.98 | 148.55 | 8.79  | 0.2362 | 2.7845 | 57 | 21 |   | M | 1996 RC <sub>12</sub>      | 16.0        | 960825        | 220.34        | 345.45        | 141.24        | 4.82         | 0.0679        | 2.2616        | 9         | 7         | W        |
| 1996 QP <sub>1</sub> | 14.7 | 960914 | 2.59   | 176.05 | 162.94 | 2.69  | 0.2392 | 2.4172 | 59 | 12 |   | N | 1996 RD <sub>12</sub>      | 12.5        | 960914        | 281.13        | 70.91         | 3.89          | 9.47         | 0.0853        | 5.2647        | 13        | 10        | E W      |
| 1996 QR <sub>1</sub> | 15.5 | 960825 | 344.71 | 73.26  | 281.26 | 5.31  | 0.1529 | 2.4364 | 27 | 12 |   | W | 1996 RQ <sub>13</sub>      | 14.5        | 960825        | 359.63        | 8.72          | 340.97        | 1.64         | 0.2073        | 3.2223        | 14        | 12        | W        |
| 1996 QS <sub>1</sub> | 15.0 | 960825 | 326.05 | 98.30  | 279.75 | 5.31  | 0.1407 | 2.4022 | 23 | 10 |   | W | 1996 RY <sub>13</sub>      | 19.0        | 960914        | 353.96        | 9.35          | 354.97        | 1.45         | 0.2262        | 2.4629        | 14        | 9         | W        |
| 1996 RC              | 16.0 | 960914 | 159.52 | 19.69  | 164.14 | 3.05  | 0.0520 | 2.2982 | 37 | 0  |   | W | 1996 RE <sub>14</sub>      | 13.5        | 960914        | 233.87        | 316.59        | 175.04        | 6.80         | 0.0929        | 5.0647        | 14        | 11        | E W      |
| 1996 RJ              | 10.0 | 960914 | 335.04 | 113.92 | 259.56 | 30.50 | 0.0484 | 5.1996 | 30 | 14 |   | W | 1996 RO <sub>14</sub>      | 11.5        | 960914        | 244.32        | 113.36        | 353.55        | 7.95         |               |               |           |           |          |

|                       |             |               |               |               |               |              |               |                |           |           |            |                      |             |               |              |               |             |              |               |               |          |           |          |
|-----------------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|-----------|-----------|------------|----------------------|-------------|---------------|--------------|---------------|-------------|--------------|---------------|---------------|----------|-----------|----------|
| 1996 RR <sub>18</sub> | 17.5        | 960825        | 23.19         | 30.89         | 293.00        | 0.34         | 0.0797        | 3.0317         | 14        | 9         | W          | 1996 SC <sub>8</sub> | 17.5        | 961004        | 7.83         | 348.19        | 19.65       | 2.69         | 0.2186        | 2.4537        | 27       | 9         | W        |
| 1996 RZ <sub>18</sub> | 14.5        | 960914        | 68.11         | 101.04        | 172.19        | 2.97         | 0.1359        | 3.0117         | 26        | 9         | W          | 1996 SF <sub>8</sub> | 15.0        | 960914        | 0.03         | 176.84        | 195.24      | 1.00         | 0.2549        | 2.5316        | 19       | 10        | W        |
| 1996 RA <sub>19</sub> | 15.5        | 960914        | 335.19        | 28.82         | 358.99        | 4.96         | 0.1129        | 3.2224         | 26        | 9         | W          | 1996 SG <sub>8</sub> | 16.0        | 960914        | 29.70        | 295.29        | 28.10       | 0.46         | 0.2494        | 2.2973        | 23       | 12        | W        |
| 1996 RG <sub>19</sub> | 17.0        | 960914        | 150.44        | 190.29        | 14.68         | 2.31         | 0.0396        | 2.8528         | 7         | 8         | E W        | 1996 TA              | 16.0        | 961004        | 336.44       | 41.31         | 7.49        | 14.08        | 0.2542        | 2.7127        | 7        | 10        | W        |
| 1996 RM <sub>19</sub> | 16.5        | 960825        | 0.52          | 181.33        | 158.10        | 11.00        | 0.1488        | 2.4336         | 4         | 7         | E W        | 1996 TE              | 15.0        | 960914        | 4.61         | 303.22        | 57.01       | 2.78         | 0.1076        | 2.8213        | 5        | 18        | W        |
| 1996 RK <sub>20</sub> | 16.5        | 960914        | 297.86        | 298.26        | 117.33        | 1.59         | 0.0648        | 2.7802         | 7         | 8         | E W        | 1996 TJ              | 18.0        | 961004        | 26.25        | 307.81        | 11.01       | 7.09         | 0.2807        | 2.1493        | 6        | 8         | W        |
| 1996 RQ <sub>20</sub> | <b>7.0</b>  | <b>960914</b> | <b>80.36</b>  | <b>247.17</b> | <b>11.48</b>  | <b>38.15</b> | <b>0.2823</b> | <b>39.4185</b> | <b>15</b> | <b>11</b> | <b>E M</b> | 1996 TK              | 17.5        | 961004        | 350.73       | 326.06        | 51.73       | 2.02         | 0.1883        | 2.3722        | 6        | 10        | W        |
| 1996 RR <sub>20</sub> | <b>7.0</b>  | <b>960914</b> | <b>0.00</b>   | <b>178.97</b> | <b>163.63</b> | <b>4.80</b>  | <b>0.0000</b> | <b>42.7830</b> | <b>5</b>  | <b>7</b>  | <b>E M</b> | 1996 TL              | 15.5        | 960914        | 335.00       | 214.45        | 178.18      | 24.41        | 0.1580        | 3.1840        | 14       | 9         | W        |
| 1996 RT <sub>20</sub> | 19.5        | 960825        | 356.54        | 9.60          | 340.29        | 3.03         | 0.3740        | 2.5601         | 15        | 9         | W          | 1996 TM              | 17.0        | 961004        | 9.85         | 340.14        | 13.14       | 9.93         | 0.0319        | 2.2160        | 3        | 6         | E W      |
| 1996 RU <sub>20</sub> | 20.0        | 960825        | 8.50          | 357.25        | 332.69        | 1.84         | 0.2282        | 2.2347         | 10        | 9         | W          | 1996 TO              | 14.5        | 961004        | 75.48        | 141.50        | 144.85      | 3.65         | 0.1522        | 2.3452        | 6        | 7         | W        |
| 1996 RZ <sub>20</sub> | 16.0        | 960825        | 354.32        | 4.61          | 349.28        | 7.86         | 0.0668        | 2.2452         | 15        | 9         | W          | 1996 TQ              | 15.5        | 961004        | 316.09       | 348.96        | 88.13       | 3.03         | 0.1573        | 2.3330        | 6        | 6         | W        |
| 1996 RF <sub>22</sub> | 18.5        | 960825        | 47.26         | 275.44        | 356.55        | 5.35         | 0.2020        | 2.3355         | 9         | 9         | W          | 1996 TR              | 15.0        | 961004        | 0.97         | 202.29        | 175.60      | 7.17         | 0.1267        | 2.3734        | 6        | 6         | W        |
| 1996 RE <sub>24</sub> | 16.5        | 960825        | 344.20        | 8.82          | 4.40          | 5.87         | 0.2611        | 2.5266         | 6         | 7         | W          | 1996 TS              | 14.0        | 961004        | 275.42       | 251.35        | 208.06      | 1.55         | 0.0318        | 2.8516        | 2        | 11        | E W      |
| 1996 RF <sub>24</sub> | 14.5        | 960825        | 179.91        | 172.34        | 359.98        | 8.30         | 0.2811        | 2.2491         | 9         | 7         | E W        | 1996 TW              | 11.0        | 961004        | 6.70         | 355.95        | 7.96        | 17.60        | 0.0729        | 5.2026        | 11       | 16        | E W      |
| 1996 RT <sub>24</sub> | 14.5        | 960914        | 160.11        | 188.67        | 1.54          | 2.10         | 0.2303        | 2.6423         | 33        | 9         | W          | 1996 TY              | 15.5        | 961004        | 340.47       | 132.08        | 262.10      | 1.04         | 0.0776        | 2.9240        | 8        | 9         | W        |
| 1996 RL <sub>26</sub> | 16.5        | 960914        | 49.14         | 62.27         | 225.50        | 5.36         | 0.1380        | 2.3163         | 34        | 29        | M          | 1996 TZ              | 15.0        | 961004        | 94.68        | 333.77        | 289.78      | 1.13         | 0.1179        | 2.5432        | 4        | 9         | E W      |
| 1996 SK               | <b>17.0</b> | <b>960914</b> | <b>328.93</b> | <b>283.67</b> | <b>198.20</b> | <b>1.97</b>  | <b>0.7979</b> | <b>2.4329</b>  | <b>27</b> | <b>57</b> | <b>W</b>   | 1996 TB <sub>1</sub> | 15.0        | 960914        | 255.67       | 289.90        | 213.29      | 0.94         | 0.1960        | 2.6949        | 19       | 13        | E W      |
| 1996 SO               | 17.0        | 960914        | 322.58        | 37.92         | 13.98         | 5.64         | 0.2099        | 2.3644         | 28        | 16        | M          | 1996 TC <sub>1</sub> | <b>24.0</b> | <b>961004</b> | <b>21.69</b> | <b>258.81</b> | <b>5.01</b> | <b>14.53</b> | <b>0.7201</b> | <b>1.8675</b> | <b>7</b> | <b>14</b> | <b>W</b> |
| 1996 SP               | 18.0        | 960914        | 26.81         | 152.62        | 166.02        | 4.66         | 0.1684        | 2.1353         | 16        | 12        | W          | 1996 TE <sub>1</sub> | 16.0        | 961004        | 61.49        | 242.11        | 71.90       | 8.76         | 0.1130        | 2.4063        | 9        | 13        | M        |
| 1996 SQ               | 14.5        | 960914        | 353.55        | 10.96         | 350.77        | 10.21        | 0.0300        | 2.9989         | 27        | 19        | W          | 1996 TO <sub>1</sub> | 14.5        | 961004        | 343.63       | 11.11         | 345.07      | 3.45         | 0.2680        | 2.7408        | 7        | 10        | E W      |
| 1996 ST               | 15.5        | 960914        | 348.54        | 143.55        | 213.80        | 1.85         | 0.1621        | 2.1387         | 21        | 13        | W          | 1996 TP <sub>1</sub> | 15.5        | 961004        | 345.93       | 19.24         | 17.51       | 3.75         | 0.2103        | 2.4034        | 15       | 17        | W        |
| 1996 SA <sub>1</sub>  | 15.5        | 960914        | 277.22        | 87.70         | 11.83         | 9.18         | 0.1008        | 2.2171         | 25        | 23        | W          | 1996 TR <sub>1</sub> | 14.0        | 961004        | 267.62       | 304.77        | 164.62      | 5.09         | 0.0516        | 2.7457        | 11       | 21        | W        |
| 1996 SB <sub>1</sub>  | 13.5        | 960914        | 238.89        | 109.89        | 40.16         | 1.82         | 0.2307        | 3.1254         | 5         | 14        | E W        | 1996 TV <sub>1</sub> | 15.0        | 961004        | 129.14       | 70.69         | 160.01      | 3.91         | 0.0761        | 2.3021        | 12       | 10        | W        |
| 1996 SC <sub>1</sub>  | 16.0        | 960914        | 98.87         | 69.55         | 181.13        | 1.98         | 0.1548        | 2.2510         | 25        | 18        | W          | 1996 TW <sub>1</sub> | 17.0        | 960914        | 5.39         | 222.23        | 131.86      | 1.83         | 0.2307        | 2.4544        | 12       | 10        | W        |
| 1996 SB <sub>2</sub>  | 15.0        | 960914        | 337.89        | 195.88        | 191.07        | 10.87        | 0.0231        | 2.7051         | 25        | 12        | W          | 1996 TX <sub>1</sub> | 15.5        | 960914        | 345.30       | 202.55        | 182.64      | 10.79        | 0.1435        | 2.6518        | 13       | 10        | W        |
| 1996 SP <sub>2</sub>  | 17.0        | 960914        | 341.12        | 110.68        | 269.39        | 2.14         | 0.2523        | 2.4954         | 5         | 12        | W          | 1996 TZ <sub>1</sub> | 16.5        | 961004        | 192.51       | 163.46        | 15.74       | 21.66        | 0.0326        | 1.9701        | 6        | 9         | W        |
| 1996 ST <sub>2</sub>  | 16.0        | 960914        | 226.14        | 327.99        | 178.47        | 6.25         | 0.2504        | 2.3557         | 7         | 9         | W          | 1996 TB <sub>2</sub> | 16.0        | 961004        | 63.28        | 136.06        | 162.88      | 3.88         | 0.0878        | 2.6639        | 10       | 9         | W        |
| 1996 SA <sub>4</sub>  | 16.5        | 960914        | 357.33        | 356.79        | 348.08        | 7.59         | 0.1900        | 2.2731         | 13        | 12        | W          | 1996 TD <sub>2</sub> | 15.5        | 961004        | 44.10        | 289.53        | 30.75       | 5.31         | 0.0820        | 2.2976        | 10       | 9         | W        |
| 1996 SE <sub>4</sub>  | 15.0        | 960914        | 338.30        | 188.77        | 237.81        | 10.22        | 0.1086        | 2.5404         | 18        | 17        | W          | 1996 TV <sub>2</sub> | 13.5        | 961004        | 161.41       | 191.14        | 11.19       | 3.76         | 0.2808        | 2.4173        | 10       | 9         | E W      |
| 1996 SF <sub>4</sub>  | 14.5        | 960914        | 37.52         | 339.34        | 5.10          | 4.71         | 0.1766        | 2.3262         | 3         | 11        | E W        | 1996 TY <sub>2</sub> | 14.5        | 961004        | 89.26        | 88.01         | 182.98      | 2.06         | 0.0980        | 3.1769        | 10       | 9         | E W      |
| 1996 SH <sub>4</sub>  | 15.0        | 960914        | 300.61        | 68.39         | 39.37         | 28.82        | 0.0414        | 2.6353         | 18        | 13        | W          | 1996 TZ <sub>2</sub> | 15.5        | 961004        | 300.99       | 77.91         | 13.12       | 13.05        | 0.1893        | 3.1032        | 10       | 9         | W        |
| 1996 SJ <sub>4</sub>  | 15.0        | 960914        | 11.21         | 339.55        | 343.83        | 5.07         | 0.2032        | 2.2456         | 16        | 10        | W          | 1996 TJ <sub>3</sub> | 14.5        | 961004        | 124.24       | 214.59        | 19.04       | 2.42         | 0.2254        | 2.9539        | 11       | 22        | E M      |
| 1996 SK <sub>4</sub>  | 14.0        | 960914        | 100.24        | 245.51        | 12.47         | 14.37        | 0.0787        | 2.6274         | 22        | 20        | W          | 1996 TK <sub>3</sub> | 17.5        | 961004        | 356.28       | 1.92          | 18.07       | 1.90         | 0.1704        | 2.4485        | 12       | 18        | M        |
| 1996 SL <sub>4</sub>  | 16.0        | 960914        | 68.50         | 267.75        | 14.52         | 7.09         | 0.1320        | 2.3376         | 22        | 20        | W          | 1996 TL <sub>3</sub> | 17.0        | 960914        | 335.59       | 233.06        | 167.04      | 2.23         | 0.2103        | 2.3290        | 33       | 33        | M        |
| 1996 SO <sub>4</sub>  | 15.0        | 960914        | 22.03         | 324.01        | 9.43          | 35.76        | 0.1872        | 2.7835         | 22        | 29        | W          | 1996 TM <sub>3</sub> | 16.0        | 961004        | 46.61        | 139.40        | 168.10      | 6.29         | 0.1167        | 2.3064        | 10       | 11        | M        |
| 1996 SQ <sub>4</sub>  | 15.5        | 960914        | 280.63        | 274.80        | 200.28        | 27.26        | 0.1508        | 2.6600         | 22        | 25        | W          | 1996 TN <sub>3</sub> | 16.0        | 961004        | 332.25       | 226.16        | 178.30      | 12.66        | 0.1806        | 2.6085        | 9        | 18        | M        |
| 1996 SR <sub>4</sub>  | 16.0        | 960914        | 35.61         | 308.33        | 16.18         | 5.23         | 0.1751        | 2.3636         | 28        | 19        | W          | 1996 TO <sub>3</sub> | 14.0        | 961004        | 50.45        | 1.92          | 301.39      | 9.13         | 0.0723        | 2.9519        | 5        | 29        | M        |
| 1996 ST <sub>4</sub>  | 15.5        | 960914        | 57.61         | 284.13        | 23.37         | 3.19         | 0.1134        | 2.5152         | 15        | 13        | W          | 1996 TP <sub>3</sub> | 15.0        | 961004        | 339.24       | 39.27         | 358.17      | 24.06        | 0.2327        | 2.3677        | 9        | 8         | W        |
| 1996 SU <sub>4</sub>  | 14.5        | 960914        | 242.80        | 122.56        | 20.27         | 6.72         | 0.0795        | 2.3903         | 20        | 14        | W          | 1996 TV <sub>3</sub> | 15.5        | 961004        | 270.56       | 90.90         | 35.73       | 6.49         | 0.1701        | 2.7446        | 5        | 9         | W        |
| 1996 SV <sub>4</sub>  | 14.5        | 960914        | 24.01         | 317.12        | 24.95         | 1.51         | 0.1996        | 3.0395         | 20        | 13        | W          | 1996 TW <sub>3</sub> | 15.5        | 961004        | 276.18       | 319.98        | 145.36      | 2.95         | 0.0285        | 2.9887        | 5        | 9         | E W      |
| 1996 SZ <sub>4</sub>  | <b>8.5</b>  | <b>960914</b> | <b>358.50</b> | <b>356.74</b> | <b>16.07</b>  | <b>4.64</b>  | <b>0.2244</b> | <b>39.4157</b> | <b>5</b>  | <b>5</b>  | <b>E M</b> | 1996 TX <sub>3</sub> | 15.0        | 961004        | 114.89       | 217.15        | 34.11       | 7.03         | 0.1184        | 2.3363        | 5        | 12        | E W      |
| 1996 SZ <sub>5</sub>  | 15.0        | 960914        | 357.74        | 0.03          | 10.48         | 8.91         | 0.0991        | 2.9773         | 4         | 10        | E W        | 1996 TY <sub>3</sub> | 15.0        | 961004        | 259.14       | 83.68         | 42.00       | 4.78         | 0.0601        | 2.7417        | 5        | 12        | E W      |
| 1996 SA <sub>6</sub>  | 16.5        | 960914        | 339.24        | 208.67        | 185.03        | 3.97         | 0.1608        | 2.3874         | 5         | 10        | W          | 1996 TZ <sub>3</sub> | 17.0        | 961004        | 36.40        | 261.80        | 62.70       | 3.07         | 0.1912        | 2.3872        | 5        | 9         | W        |
| 1996 SB <sub>6</sub>  | 15.5        | 960914        | 358.82        | 353.99        | 13.47         | 2.65         | 0.1338        | 2.5558         | 5         | 14        | W          | 1996 TG <sub>4</sub> | 17.5        | 961004        | 0.93         | 168.38        | 205.30      | 8.64         | 0.2937        | 2.4125        | 5        | 12        | E W      |
| 1996 SC <sub>6</sub>  | 13.5        | 960914        | 71.49         | 108.35        | 185.51        | 5.93         | 0.0266        | 2.7887         | 5         | 10        | E W        | 1996 TY <sub>4</sub> | 14.5        | 961004        | 254.02       | 118.25        | 16.78       | 13.66        | 0.1283        | 2.6125        | 12       | 19        | W        |
| 1996 SD <sub>6</sub>  | 15.5        | 960914        | 29.48         | 285.12        | 35.20         | 0.96         | 0.2161        | 2.5789         | 5         | 14        | W          | 1996 TB <sub>5</sub> | 15.0        | 961004        | 356.36       | 183.89        | 203.20      | 16.38        | 0.1818        | 3.1648        | 12       | 15        | W        |
| 1996 SG <sub>6</sub>  | 15.5        | 960914        | 25.46         | 318.37        | 23.05         | 3.15         | 0.1254        | 2.3274         | 4         | 9         | E W        | 1996 TD <sub>5</sub> | 15.0        | 961004        | 166.93       | 186.35        | 16.98       | 6.94         | 0.2923        | 2.3098        | 8        | 11        | M        |
| 1996 SH <sub>6</sub>  | 14.0        | 960914        | 185.98        | 356.64        | 195.17        | 7.93         | 0.0633        | 2.2960         | 26        | 12        | W          | 1996 TE <sub>5</sub> | 15.5        | 961004        | 12.32        | 341.56        | 16.73       | 24.95        | 0.1600        | 3.1508        | 8        | 10        | E W      |
| 1996 SJ <sub>6</sub>  | 15.5        | 960914        | 7.44          | 345.63        | 17.92         | 7.36         | 0.1427        | 2.3553         | 4         | 13        | W          | 1996 TF <sub>5</sub> | 16.5        | 961004        | 336.93       | 210.27        | 195.21      | 4.00         | 0.1442        | 2.2690        | 8        | 12        | M        |
| 1996 SP <sub>6</sub>  | 16.0        | 960914        | 71.78         | 266.31        | 19.57         | 7.86         | 0.1732        | 2.5604         | 20        | 9         | W          | 1996 TH <sub>5</sub> | 16.5        | 961004        | 311.63       | 52.56         | 16.96       | 2.65         | 0.1801        | 2.4033        | 29       | 20        | W        |
| 1996 SB <sub>7</sub>  | 16.0        | 960914        | 15.89         | 148.89        | 195.47        | 14.80        | 0.2654        | 2.5352         | 21        |           |            |                      |             |               |              |               |             |              |               |               |          |           |          |

|                             |             |               |               |               |               |              |               |               |           |           |          |
|-----------------------------|-------------|---------------|---------------|---------------|---------------|--------------|---------------|---------------|-----------|-----------|----------|
| 1996 TK <sub>6</sub>        | 14.5        | 961004        | 357.43        | 181.36        | 163.27        | 11.31        | 0.1267        | 3.1193        | 11        | 10        | W        |
| 1996 TN <sub>6</sub>        | 15.2        | 961004        | 12.83         | 318.90        | 12.31         | 13.15        | 0.1738        | 2.7569        | 11        | 12        | N        |
| 1996 TO <sub>6</sub>        | 16.0        | 961004        | 356.32        | 97.23         | 274.16        | 11.63        | 0.2267        | 2.3253        | 11        | 12        | N        |
| <b>1996 TP<sub>6</sub></b>  | <b>20.0</b> | <b>961004</b> | <b>20.48</b>  | <b>249.90</b> | <b>40.20</b>  | <b>9.34</b>  | <b>0.6426</b> | <b>2.5933</b> | <b>7</b>  | <b>16</b> | <b>M</b> |
| 1996 TQ <sub>6</sub>        | 20.5        | 961004        | 354.82        | 216.72        | 171.22        | 5.74         | 0.3880        | 2.2060        | 5         | 19        | M        |
| <b>1996 TR<sub>6</sub></b>  | <b>18.5</b> | <b>961004</b> | <b>56.20</b>  | <b>117.37</b> | <b>196.34</b> | <b>22.00</b> | <b>0.1793</b> | <b>1.5812</b> | <b>11</b> | <b>28</b> | <b>W</b> |
| 1996 TS <sub>6</sub>        | 16.5        | 961004        | 1.42          | 202.21        | 159.33        | 4.99         | 0.1502        | 3.0750        | 8         | 12        | E M      |
| 1996 TD <sub>7</sub>        | 15.0        | 961004        | 244.02        | 139.52        | 34.49         | 7.00         | 0.2053        | 2.2675        | 4         | 8         | M        |
| 1996 TG <sub>7</sub>        | 14.5        | 960914        | 24.73         | 297.73        | 26.95         | 2.61         | 0.1978        | 2.4348        | 28        | 11        | W        |
| 1996 TH <sub>7</sub>        | 14.0        | 960914        | 339.57        | 6.47          | 21.51         | 2.75         | 0.0809        | 2.7165        | 28        | 14        | W        |
| 1996 TJ <sub>7</sub>        | 15.4        | 961024        | 349.62        | 211.78        | 197.87        | 4.52         | 0.1593        | 2.7445        | 9         | 12        | N        |
| 1996 TK <sub>7</sub>        | 14.7        | 961004        | 265.87        | 353.23        | 154.67        | 1.39         | 0.1933        | 2.9618        | 9         | 9         | E N      |
| 1996 TN <sub>7</sub>        | 16.5        | 961004        | 6.66          | 206.38        | 165.43        | 9.57         | 0.1274        | 2.3162        | 5         | 9         | W        |
| 1996 TX <sub>7</sub>        | 15.5        | 961004        | 61.67         | 154.21        | 145.01        | 3.80         | 0.1685        | 2.2452        | 8         | 6         | W        |
| 1996 TY <sub>7</sub>        | 14.7        | 961024        | 347.34        | 11.51         | 41.81         | 7.83         | 0.2828        | 2.7357        | 6         | 12        | N        |
| 1996 TZ <sub>7</sub>        | 14.5        | 961004        | 20.24         | 327.33        | 25.21         | 2.20         | 0.0986        | 3.1280        | 3         | 10        | E W      |
| 1996 TC <sub>8</sub>        | 16.5        | 961004        | 54.24         | 109.40        | 207.17        | 1.39         | 0.0596        | 2.2248        | 4         | 8         | E W      |
| 1996 TD <sub>8</sub>        | 16.5        | 961004        | 357.89        | 171.10        | 212.74        | 14.98        | 0.3899        | 2.7169        | 6         | 30        | W        |
| 1996 TF <sub>8</sub>        | 16.0        | 961004        | 16.35         | 172.45        | 177.38        | 2.12         | 0.2334        | 2.2804        | 7         | 10        | M        |
| 1996 TH <sub>8</sub>        | 15.5        | 961004        | 287.16        | 71.69         | 9.39          | 22.14        | 0.0422        | 2.6430        | 10        | 9         | W        |
| 1996 TX <sub>8</sub>        | 14.5        | 961004        | 39.68         | 341.92        | 329.81        | 24.39        | 0.2499        | 2.3114        | 7         | 19        | W        |
| 1996 TY <sub>8</sub>        | 15.5        | 961004        | 348.02        | 163.92        | 227.52        | 24.53        | 0.2774        | 2.4250        | 10        | 8         | W        |
| 1996 TZ <sub>8</sub>        | 12.5        | 961004        | 39.24         | 47.16         | 282.55        | 20.61        | 0.0649        | 3.2130        | 10        | 8         | W        |
| <b>1996 TA<sub>9</sub></b>  | <b>20.0</b> | <b>961004</b> | <b>4.93</b>   | <b>337.44</b> | <b>22.23</b>  | <b>11.78</b> | <b>0.4840</b> | <b>2.5893</b> | <b>4</b>  | <b>22</b> | <b>W</b> |
| 1996 TC <sub>9</sub>        | 16.0        | 961004        | 333.13        | 35.79         | 20.38         | 6.76         | 0.2501        | 3.1586        | 6         | 8         | W        |
| <b>1996 TD<sub>9</sub></b>  | <b>24.0</b> | <b>961004</b> | <b>35.42</b>  | <b>89.49</b>  | <b>206.38</b> | <b>5.02</b>  | <b>0.4038</b> | <b>1.3328</b> | <b>4</b>  | <b>23</b> | <b>W</b> |
| <b>1996 TE<sub>9</sub></b>  | <b>19.5</b> | <b>961004</b> | <b>354.37</b> | <b>3.63</b>   | <b>13.97</b>  | <b>21.75</b> | <b>0.3291</b> | <b>1.8036</b> | <b>6</b>  | <b>31</b> | <b>W</b> |
| 1996 TF <sub>9</sub>        | 19.0        | 961004        | 48.10         | 243.29        | 58.19         | 7.02         | 0.2826        | 2.1594        | 3         | 7         | W        |
| 1996 TJ <sub>9</sub>        | 16.0        | 961004        | 64.25         | 97.89         | 209.13        | 2.51         | 0.1080        | 2.5567        | 6         | 12        | E W      |
| 1996 TM <sub>9</sub>        | 15.5        | 961004        | 229.10        | 156.31        | 3.94          | 1.08         | 0.0792        | 2.2237        | 4         | 11        | W        |
| 1996 TN <sub>9</sub>        | 15.0        | 961004        | 261.43        | 116.90        | 20.32         | 13.10        | 0.1987        | 2.7009        | 3         | 8         | W        |
| 1996 TO <sub>9</sub>        | 14.5        | 960914        | 278.77        | 84.16         | 11.20         | 21.84        | 0.0831        | 2.6465        | 33        | 22        | W        |
| 1996 TP <sub>9</sub>        | 14.8        | 961024        | 50.83         | 200.35        | 115.41        | 12.18        | 0.1882        | 2.6114        | 2         | 8         | N        |
| 1996 TQ <sub>9</sub>        | 16.5        | 961004        | 257.83        | 109.38        | 30.52         | 21.55        | 0.1928        | 1.7700        | 6         | 10        | M        |
| 1996 TT <sub>9</sub>        | 14.0        | 961004        | 262.79        | 117.55        | 8.07          | 8.82         | 0.0363        | 3.0665        | 4         | 12        | E W      |
| 1996 TX <sub>9</sub>        | 13.5        | 961004        | 288.36        | 228.85        | 227.35        | 4.10         | 0.0752        | 2.8480        | 13        | 8         | W        |
| 1996 TY <sub>9</sub>        | 13.0        | 961004        | 103.85        | 344.75        | 263.65        | 29.60        | 0.3127        | 1.9934        | 7         | 13        | W        |
| <b>1996 TE<sub>11</sub></b> | <b>15.7</b> | <b>961024</b> | <b>346.99</b> | <b>261.78</b> | <b>176.54</b> | <b>25.05</b> | <b>0.4735</b> | <b>2.5863</b> | <b>7</b>  | <b>46</b> | <b>N</b> |
| 1996 TH <sub>11</sub>       | 15.5        | 961004        | 4.45          | 157.39        | 216.13        | 3.55         | 0.2141        | 2.6977        | 7         | 7         | W        |
| 1996 TL <sub>11</sub>       | 15.0        | 961004        | 78.56         | 259.15        | 32.57         | 4.78         | 0.1133        | 2.1739        | 6         | 7         | E W      |
| 1996 TM <sub>11</sub>       | 13.5        | 961004        | 10.13         | 168.21        | 204.54        | 15.33        | 0.1133        | 3.1788        | 5         | 7         | W        |
| 1996 TO <sub>11</sub>       | 16.9        | 961024        | 16.63         | 329.92        | 31.66         | 7.74         | 0.3107        | 2.1547        | 8         | 12        | N        |
| 1996 TS <sub>11</sub>       | 16.5        | 961004        | 36.27         | 308.90        | 9.53          | 2.15         | 0.2318        | 2.3273        | 4         | 9         | W        |
| 1996 TU <sub>11</sub>       | 15.5        | 961004        | 337.84        | 342.11        | 70.80         | 8.08         | 0.0934        | 2.2863        | 2         | 7         | M        |
| 1996 TF <sub>12</sub>       | 14.8        | 961024        | 30.43         | 58.77         | 267.74        | 17.31        | 0.3069        | 3.1823        | 8         | 9         | N        |
| 1996 TN <sub>12</sub>       | 16.0        | 961004        | 309.01        | 203.69        | 244.26        | 1.27         | 0.1298        | 2.2793        | 7         | 12        | W        |
| 1996 TQ <sub>12</sub>       | 16.0        | 961004        | 14.93         | 157.34        | 189.89        | 26.03        | 0.0520        | 1.8409        | 8         | 9         | W        |
| 1996 TR <sub>14</sub>       | 11.5        | 961004        | 151.85        | 194.65        | 28.44         | 11.10        | 0.2417        | 2.8621        | 4         | 6         | E W      |
| 1996 UA                     | 14.0        | 960914        | 26.73         | 316.53        | 18.29         | 11.26        | 0.1244        | 2.5841        | 34        | 12        | M        |
| 1996 UC                     | 12.9        | 961024        | 11.19         | 264.83        | 93.57         | 3.00         | 0.2467        | 3.1435        | 3         | 12        | N        |
| 1996 UJ                     | 17.5        | 961004        | 311.21        | 70.58         | 20.32         | 16.42        | 0.2640        | 1.9546        | 2         | 9         | E M      |
| <b>1996 UK</b>              | <b>15.7</b> | <b>961024</b> | <b>16.91</b>  | <b>134.89</b> | <b>210.63</b> | <b>10.59</b> | <b>0.4516</b> | <b>2.6502</b> | <b>5</b>  | <b>25</b> | <b>N</b> |
| 1996 UL                     | 16.0        | 961024        | 26.86         | 314.58        | 20.32         | 11.16        | 0.2969        | 2.2903        | 17        | 29        | N        |
| 1996 US                     | 13.0        | 961004        | 14.10         | 347.64        | 23.36         | 7.36         | 0.0734        | 2.5640        | 3         | 7         | E W      |
| 1996 UT                     | 11.0        | 961004        | 275.85        | 321.39        | 171.58        | 1.68         | 0.1282        | 3.1375        | 3         | 7         | E W      |
| 1996 UU                     | 13.5        | 961004        | 356.72        | 184.64        | 209.78        | 12.22        | 0.1608        | 2.5517        | 3         | 7         | W        |

|                                         |           |          |            |          |           |
|-----------------------------------------|-----------|----------|------------|----------|-----------|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Goffin   |            |          |           |
| <b>(368) Haidea</b>                     | Obs. 146  | <i>M</i> | 35.58386   | $\omega$ | 90.61850  |
| <i>H</i> 9.93 <i>G</i> 0.15 <i>U</i> 0  | Opp. 30   | <i>n</i> | 0.18370854 | $\Omega$ | 227.73442 |
| rms res. 0''91 (M-v)                    | 1893-1996 | <i>e</i> | 0.2078547  | <i>i</i> | 7.77506   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Williams |            |          |           |
| <b>(493) Griseldis</b>                  | Obs. 58   | <i>M</i> | 349.25951  | $\omega$ | 45.97757  |
| <i>H</i> 10.3 <i>G</i> 0.15 <i>U</i> 1  | Opp. 11   | <i>n</i> | 0.17833243 | $\Omega$ | 357.66144 |
| rms res. 0''79 (M-v)                    | 1902-1996 | <i>e</i> | 0.1643417  | <i>i</i> | 15.14605  |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Bowell   |            |          |           |
| <b>(583) Klotilde</b>                   | Obs. 69   | <i>M</i> | 269.70507  | $\omega$ | 254.77188 |
| <i>H</i> 9.01 <i>G</i> 0.15 <i>U</i> 1  | Opp. 25   | <i>n</i> | 0.17442342 | $\Omega$ | 258.11681 |
| rms res. 0''94 (M-v)                    | 1907-1996 | <i>e</i> | 0.1608900  | <i>i</i> | 8.25079   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Williams |            |          |           |
| <b>(928) Hildrun</b>                    | Obs. 69   | <i>M</i> | 278.11566  | $\omega$ | 24.57379  |
| <i>H</i> 9.4 <i>G</i> 0.15 <i>U</i> 1   | Opp. 19   | <i>n</i> | 0.17771129 | $\Omega$ | 129.98798 |
| rms res. 1''01 (M-v)                    | 1920-1996 | <i>e</i> | 0.1516264  | <i>i</i> | 17.64789  |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Sicoli   |            |          |           |
| <b>(1045) Michela</b>                   | Obs. 98   | <i>M</i> | 297.63322  | $\omega$ | 165.58688 |
| <i>H</i> 12.9 <i>G</i> 0.15 <i>U</i> 1  | Opp. 13   | <i>n</i> | 0.27209701 | $\Omega$ | 269.22042 |
| rms res. 0''96 (M-v)                    | 1953-1996 | <i>e</i> | 0.1577797  | <i>i</i> | 0.26115   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Sicoli   |            |          |           |
| <b>(1083) Salvia</b>                    | Obs. 53   | <i>M</i> | 144.99820  | $\omega$ | 31.83215  |
| <i>H</i> 12.0 <i>G</i> 0.15 <i>U</i> 1  | Opp. 21   | <i>n</i> | 0.27713390 | $\Omega$ | 81.00518  |
| rms res. 1''16 (M-v)                    | 1928-1996 | <i>e</i> | 0.1814855  | <i>i</i> | 5.13787   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Williams |            |          |           |
| <b>(1324) Knysna</b>                    | Obs. 46   | <i>M</i> | 109.44866  | $\omega$ | 329.37483 |
| <i>H</i> 13.4 <i>G</i> 0.15 <i>U</i> 1  | Opp. 12   | <i>n</i> | 0.30519828 | $\Omega$ | 304.65933 |
| rms res. 0''96 (M-v)                    | 1934-1996 | <i>e</i> | 0.1632206  | <i>i</i> | 4.51657   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Williams |            |          |           |
| <b>(1634) Ndola</b>                     | Obs. 32   | <i>M</i> | 97.47050   | $\omega$ | 190.48160 |
| <i>H</i> 13.0 <i>G</i> 0.15 <i>U</i> 2  | Opp. 9    | <i>n</i> | 0.29287800 | $\Omega$ | 90.90487  |
| rms res. 1''02 (M-v)                    | 1928-1996 | <i>e</i> | 0.1617176  | <i>i</i> | 7.59942   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Bowell   |            |          |           |
| <b>(1665) Gaby</b>                      | Obs. 38   | <i>M</i> | 328.34960  | $\omega$ | 6.24595   |
| <i>H</i> 11.85 <i>G</i> 0.15 <i>U</i> 1 | Opp. 11   | <i>n</i> | 0.26278358 | $\Omega$ | 91.76045  |
| rms res. 0''89 (M-v)                    | 1930-1996 | <i>e</i> | 0.2067156  | <i>i</i> | 10.82272  |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Williams |            |          |           |
| <b>(1703) Barry</b>                     | Obs. 76   | <i>M</i> | 43.00160   | $\omega$ | 212.96786 |
| <i>H</i> 12.4 <i>G</i> 0.15 <i>U</i> 2  | Opp. 13   | <i>n</i> | 0.29906123 | $\Omega$ | 112.41782 |
| rms res. 0''94 (M-v)                    | 1930-1996 | <i>e</i> | 0.1713512  | <i>i</i> | 4.51908   |
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |           | Bowell   |            |          |           |
| <b>(1890) Konoshenkova</b>              | Obs. 24   | <i>M</i> | 48.60273   | $\omega$ | 20.26784  |
| <i>H</i> 10.8 <i>G</i> 0.15 <i>U</i> 1  | Opp. 10   | <i>n</i> | 0.17124038 | $\Omega$ | 70.51943  |
| rms res. 0''84 (M-v)                    | 1949-1996 | <i>e</i> | 0.1388002  | <i>i</i> | 9.89509   |

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(1945) Wesselink**      Obs.    30    *M*    61.96918       $\omega$     194.27018  
*H* 12.2    *G* 0.15    *U*    1    Opp.    9    *n*    0.24133147       $\Omega$     142.89237  
rms res.    0".83      (M-v)      1930-1996    *e*    0.1777664      *i*      4.21190

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(2093) Genichesk**      Obs.    44    *M*    144.72255       $\omega$     117.74716  
*H* 12.6    *G* 0.15    *U*    1    Opp.    15    *n*    0.28828547       $\Omega$     155.06194  
rms res.    0".82      (M-v)      1950-1996    *e*    0.1679061      *i*      6.08606

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(2366) Aaryn**      Obs.    21    *M*    313.20005       $\omega$     110.48082  
*H* 13.8    *G* 0.15    *U*    1    Opp.    11    *n*    0.29389250       $\Omega$     308.64864  
rms res.    0".92      (M-v)      1934-1996    *e*    0.1267607      *i*      1.08549

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(2435) Horemheb**      Obs.    22    *M*    28.71513       $\omega$     183.32667  
*H* 14.9    *G* 0.15    *U*    1    Opp.    6    *n*    0.30139623       $\Omega$     162.72123  
rms res.    0".78      (M-v)      1960-1996    *e*    0.2048796      *i*      3.96305

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Sicoli**  
**(2484) Parenago**      Obs.    76    *M*    11.85155       $\omega$     147.36840  
*H* 13.0    *G* 0.15    *U*    1    Opp.    8    *n*    0.27489709       $\Omega$     204.82560  
rms res.    0".70      (M-v)      1928-1996    *e*    0.2548852      *i*      1.19012

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(2488) Bryan**      Obs.    29    *M*    352.86117       $\omega$     300.56006  
*H* 13.9    *G* 0.15    *U*    1    Opp.    7    *n*    0.28938636       $\Omega$     62.54121  
rms res.    0".82      (M-v)      1952-1996    *e*    0.2242682      *i*      6.88977

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Williams**  
**(2502) Nummela**      Obs.    32    *M*    248.64706       $\omega$     130.83186  
*H* 11.7    *G* 0.15    *U*    2    Opp.    9    *n*    0.19621841       $\Omega$     15.01241  
rms res.    1".01      (M-v)      1933-1996    *e*    0.2246364      *i*      17.80437

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Williams**  
**(2866) Hardy**      Obs.    37    *M*    36.88641       $\omega$     23.92291  
*H* 11.9    *G* 0.15    *U*    3    Opp.    8    *n*    0.19840604       $\Omega$     317.42225  
rms res.    0".79      (M-v)      1961-1996    *e*    0.2012036      *i*      8.24234

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(2920) Automedon**      Obs.    32    *M*    275.88681       $\omega$     197.32988  
*H* 8.8    *G* 0.15    *U*    1    Opp.    7    *n*    0.08451879       $\Omega$     231.02832  
rms res.    0".73      (M-v)      1981-1996    *e*    0.0297936      *i*      21.07714

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Sicoli**  
**(3000) Leonardo**      Obs.    62    *M*    277.45475       $\omega$     172.97780  
*H* 13.0    *G* 0.15    *U*    1    Opp.    12    *n*    0.27331143       $\Omega$     201.23760  
rms res.    1".02      (M-v)      1961-1996    *e*    0.1817124      *i*      2.74786

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Williams**  
**(3200) Phaethon**      Obs.    222    *M*    75.64417       $\omega$     321.82979  
*H* 14.6    *G* 0.15    *U*    3    Opp.    10    *n*    0.68758903       $\Omega$     265.58053  
rms res.    0".79      (M-v)      1983-1996    *e*    0.8900764      *i*      22.10413

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(3257) Hanzlík**      Obs.    44    *M*    34.03751       $\omega$     275.01951  
*H* 13.5    *G* 0.15    *U*    1    Opp.    7    *n*    0.29194900       $\Omega$     30.51412  
rms res.    0".90      (M-v)      1951-1996    *e*    0.1695682      *i*      5.56304

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Williams**  
**(3362) Khufu**      Obs.    95    *M*    226.42210       $\omega$     54.86133  
*H* 18.1    *G* 0.15    *U*    4    Opp.    10    *n*    1.00139692       $\Omega$     152.65119  
rms res.    0".76      (M-v)      1984-1996    *e*    0.4685468      *i*      9.91286

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(3422) Reid**      Obs.    22    *M*    48.04409       $\omega$     198.29389  
*H* 12.6    *G* 0.15    *U*    1    Opp.    7    *n*    0.22342891       $\Omega$     112.07612  
rms res.    0".91      (M-v)      1978-1996    *e*    0.1513402      *i*      13.95299

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(3512) Eriepa**      Obs.    27    *M*    333.80836       $\omega$     300.57839  
*H* 13.6    *G* 0.15    *U*    1    Opp.    6    *n*    0.29223727       $\Omega$     113.01805  
rms res.    1".00      (M-v)      1979-1996    *e*    0.2470764      *i*      7.49021

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Williams**  
**(3531) Cruikshank**      Obs.    32    *M*    284.98958       $\omega$     299.34277  
*H* 12.9    *G* 0.15    *U*    3    Opp.    5    *n*    0.23195334       $\Omega$     193.16019  
rms res.    0".83      (M-v)      1981-1996    *e*    0.1457281      *i*      13.13249

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Sicoli**  
**(3566) Levitan**      Obs.    30    *M*    226.65034       $\omega$     194.56881  
*H* 12.5    *G* 0.15    *U*    2    Opp.    8    *n*    0.27178035       $\Omega$     289.60987  
rms res.    0".99      (M-v)      1951-1996    *e*    0.1265440      *i*      2.27065

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Sicoli**  
**(3574) Rudaux**      Obs.    38    *M*    281.75928       $\omega$     144.07497  
*H* 13.9    *G* 0.15    *U*    2    Opp.    8    *n*    0.26193054       $\Omega$     225.35335  
rms res.    0".92      (M-v)      1933-1996    *e*    0.1846506      *i*      4.66289

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Marsden**  
**(3688) Navajo**      Obs.    53    *M*    260.06137       $\omega$     138.16716  
*H* 14.9    *G* 0.15    *U*    2    Opp.    3    *n*    0.17010647       $\Omega$     20.04268  
rms res.    0".86      (M-v)      1981-1996    *e*    0.4771423      *i*      2.55753

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Sicoli**  
**(3705) 1984 ET<sub>1</sub>**      Obs.    87    *M*    237.18715       $\omega$     234.49487  
*H* 12.6    *G* 0.15    *U*    1    Opp.    12    *n*    0.17920845       $\Omega$     154.89254  
rms res.    0".86      (M-v)      1948-1996    *e*    0.1833388      *i*      1.38919

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Bowell**  
**(3753) 1986 TO**      Obs.    85    *M*    301.16043       $\omega$     43.63720  
*H* 14.4    *G* 0.15    *U*    1    Opp.    13    *n*    0.98888344       $\Omega$     126.37563  
rms res.    0".69      (M-v)      1973-1996    *e*    0.5147984      *i*      19.81182

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5      **Sicoli**  
**(3840) Mimistrobell**      Obs.    51    *M*    76.52752       $\omega$     167.69967  
*H* 13.2    *G* 0.15    *U*    2    Opp.    7    *n*    0.29197821       $\Omega$     42.45806  
rms res.    0".74      (M-v)      1928-1996    *e*    0.0825570      *i*      3.92108

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(3850) Peltier** Obs. 45 *M* 44.93329  $\omega$  206.81056  
*H* 13.5 *G* 0.15 *U* 2 Opp. 6 *n* 0.29509153  $\Omega$  124.27288  
rms res. 0".64 (M-v) 1969-1996 *e* 0.1614889 *i* 5.26766

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(3858) Dorchester** Obs. 38 *M* 70.35935  $\omega$  334.91697  
*H* 13.6 *G* 0.15 *U* 3 Opp. 4 *n* 0.30421426  $\Omega$  348.16749  
rms res. 0".90 (M-v) 1985-1996 *e* 0.2429251 *i* 7.71241

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Sicoli  
**(3923) Radzievskij** Obs. 63 *M* 153.68498  $\omega$  285.03950  
*H* 11.3 *G* 0.15 *U* 1 Opp. 9 *n* 0.12544457  $\Omega$  152.44919  
rms res. 0".79 (M-v) 1976-1996 *e* 0.2206030 *i* 3.48547

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(4078) Polakis** Obs. 15 *M* 22.31772  $\omega$  224.60582  
*H* 11.2 *G* 0.15 *U* 1 Opp. 6 *n* 0.18828456  $\Omega$  83.64292  
rms res. 0".88 (M-v) 1976-1996 *e* 0.1102232 *i* 11.63412

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(4197) 1982 TA** Obs. 198 *M* 352.17416  $\omega$  119.26225  
*H* 14.5 *G* 0.15 *U* 2 Opp. 8 *n* 0.28299269  $\Omega$  10.17233  
rms res. 0".90 (M-v) 1954-1996 *e* 0.7728708 *i* 12.21223

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(4845) Tsubetsu** Obs. 21 *M* 115.43108  $\omega$  221.07480  
*H* 12.4 *G* 0.15 *U* 1 Opp. 7 *n* 0.26505778  $\Omega$  28.40439  
rms res. 1".02 (M-v) 1965-1996 *e* 0.0676509 *i* 7.60067

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(4878) 1968 OF** Obs. 28 *M* 33.82571  $\omega$  119.80423  
*H* 14.9 *G* 0.15 *U* 3 Opp. 6 *n* 0.28454675  $\Omega$  224.28319  
rms res. 0".72 (M-v) 1968-1996 *e* 0.1536072 *i* 6.17263

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Sicoli  
**(4889) Praetorius** Obs. 27 *M* 143.62608  $\omega$  271.50473  
*H* 11.0 *G* 0.15 *U* 1 Opp. 5 *n* 0.18163894  $\Omega$  187.04703  
rms res. 0".88 (M-v) 1979-1996 *e* 0.2003899 *i* 13.88409

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(4917) Yurilvovia** Obs. 61 *M* 20.54534  $\omega$  196.88180  
*H* 12.8 *G* 0.15 *U* 2 Opp. 7 *n* 0.21711169  $\Omega$  181.00477  
rms res. 0".76 (M-v) 1955-1996 *e* 0.1074193 *i* 3.69868

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(4943) Lac d'Orient** Obs. 29 *M* 16.43312  $\omega$  135.29031  
*H* 13.2 *G* 0.15 *U* 1 Opp. 5 *n* 0.22865645  $\Omega$  241.76087  
rms res. 0".77 (M-v) 1979-1996 *e* 0.1745811 *i* 11.98546

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(5143) Heracles** Obs. 100 *M* 316.55378  $\omega$  226.37915  
*H* 13.9 *G* 0.15 *U* 2 Opp. 7 *n* 0.39676913  $\Omega$  310.74774  
rms res. 0".68 (M-v) 1962-1996 *e* 0.7711927 *i* 9.18685

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(5209) 1989 CW<sub>1</sub>** Obs. 33 *M* 313.61756  $\omega$  103.10899  
*H* 10.1 *G* 0.15 *U* 1 Opp. 5 *n* 0.08494956  $\Omega$  322.74905  
rms res. 0".73 (M-v) 1955-1996 *e* 0.0506518 *i* 9.08027

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(5629) Kuwana** Obs. 27 *M* 325.29664  $\omega$  285.85318  
*H* 11.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.18489226  $\Omega$  145.81797  
rms res. 0".72 (M-v) 1934-1996 *e* 0.0710901 *i* 10.06079

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(5746) 1991 CK** Obs. 27 *M* 332.47775  $\omega$  15.69454  
*H* 13.0 *G* 0.15 *U* 1 Opp. 5 *n* 0.27712526  $\Omega$  356.73469  
rms res. 0".84 (M-v) 1975-1996 *e* 0.2153535 *i* 5.06721

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(5831) 1991 JG** Obs. 25 *M* 79.13406  $\omega$  165.81373  
*H* 12.1 *G* 0.15 *U* 1 Opp. 7 *n* 0.22348093  $\Omega$  64.08294  
rms res. 0".76 (M-v) 1938-1996 *e* 0.1414880 *i* 12.77075

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell  
**(6483) Nikolajvasil'ev** Obs. 29 *M* 35.80051  $\omega$  182.17113  
*H* 13.6 *G* 0.15 *U* 1 Opp. 6 *n* 0.24246681  $\Omega$  182.12411  
rms res. 0".78 (M-v) 1954-1995 *e* 0.1517271 *i* 5.32192

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(6523) 1991 TC** Obs. 60 *M* 96.20745  $\omega$  284.12977  
*H* 15.1 *G* 0.15 *U* 1 Opp. 4 *n* 0.22923992  $\Omega$  355.39590  
rms res. 0".68 (M-v) 1978-1996 *e* 0.4220719 *i* 26.56346

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
**(6564) 1992 BB** Obs. 89 *M* 279.99246  $\omega$  330.31063  
*H* 15.7 *G* 0.15 *U* 1 Opp. 4 *n* 0.38183256  $\Omega$  194.66331  
rms res. 0".59 (M-v) 1992-1996 *e* 0.2668995 *i* 45.28150

**(7213)\* 1967 KB = 1988 TD<sub>1</sub>**

Discovered 1967 May 31 at El Leoncito.

Id. T. Kobayashi (*MPC* 13852)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams  
*M* 58.21351 (2000.0) **P** **Q**  
*n* 0.24244501  $\omega$  291.17818 +0.35804659 +0.93370370  
*a* 2.5471853  $\Omega$  359.80182 -0.83583942 +0.32043131  
*e* 0.2531370 *i* 3.03229 -0.41614313 +0.15975348  
*P* 4.07 *H* 13.7 *G* 0.15 *U* 1

Residuals in seconds of arc

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 500417 | 675 | 0.8+  | 1.0+  | 910312 | 675 | 1.0- | 0.5- | 950307 | 557 | 0.4- | 0.4- |
| 500417 | 675 | 0.1+  | 0.0   | 910312 | 675 | 1.4- | 0.6- | 950307 | 557 | 0.6- | 0.0  |
| 670531 | 808 | 0.2+  | 0.1-  | 920930 | 801 | 0.3+ | 0.2- | 950307 | 033 | 0.7+ | 0.5+ |
| 670602 | 808 | 1.2-  | 0.1+  | 920930 | 801 | 0.9+ | 0.2+ | 950311 | 557 | 0.6+ | 1.3- |
| 670613 | 808 | 0.7+  | 1.6-  | 921003 | 691 | 1.5- | 0.0  | 950311 | 557 | 0.3+ | 0.2- |
| 801101 | 675 | 0.6+  | 0.3-  | 921003 | 691 | 1.2- | 0.1- | 950311 | 557 | 0.0  | 0.7- |
| 801102 | 675 | 1.2+  | 0.4-  | 921003 | 691 | 1.3- | 0.1+ | 960911 | 801 | 0.7+ | 0.7+ |
| 881007 | 675 | 0.2-  | 1.1-  | 921024 | 801 | 0.8+ | 0.3+ | 960915 | 801 | 0.3+ | 0.3- |
| 881007 | 675 | 0.5-  | 1.8-  | 921024 | 801 | 1.0+ | 0.6+ | 960915 | 801 | 0.3+ | 0.5- |
| 881013 | 399 | (3.9+ | 0.9+) | 921028 | 801 | 0.2+ | 0.2+ | 961010 | 801 | 1.1+ | 0.9- |
| 881013 | 399 | 1.6+  | 0.3+  | 921028 | 801 | 0.2+ | 0.5+ | 961010 | 801 | 0.2+ | 0.4+ |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 881016 | 399 | 1.5+ | 1.8+ | 950224 | 033 | 0.2+ | 1.0- | 961015 | 801 | 0.0  | 0.7- |
| 881016 | 399 | 1.0- | 0.5+ | 950305 | 033 | 0.4- | 0.0  | 961015 | 801 | 0.5+ | 1.1- |
| 881019 | 399 | 2.2- | 0.5- | 950305 | 033 | 0.4- | 0.3- |        |     |      |      |
| 881019 | 399 | 1.6- | 2.3- | 950307 | 557 | 0.5- | 0.3- |        |     |      |      |

**(7214)\* 1973 SM<sub>1</sub> = 1990 ED<sub>2</sub>**

Discovered 1973 Sept. 19 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. H. Kaneda (*MPC* 16693)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 326.07853  | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.08509488 | $\omega$ | 214.15499 | +0.65057806 |      | -0.75684914 |   |
| <i>a</i> | 5.1191801  | $\Omega$ | 195.57325 | +0.73845023 |      | +0.64970691 |   |
| <i>e</i> | 0.0347740  | <i>i</i> | 13.49940  | +0.17731172 |      | +0.07113586 |   |
| <i>P</i> | 11.58      | <i>H</i> | 11.8      | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 730919 | 675 | 0.5+ | 0.8+ | 731005 | 675 | 1.0+  | 1.4-  | 910419 | 675 | 0.2+ | 1.7- |
| 730919 | 675 | 0.5+ | 1.1+ | 731005 | 675 | 1.5-  | 0.7-  | 960908 | 684 | 0.1+ | 0.0  |
| 730920 | 675 | 1.3- | 0.9- | 900302 | 809 | 0.2+  | 0.5+  | 960908 | 684 | 0.1+ | 0.1+ |
| 730924 | 675 | 2.2- | 0.1+ | 900302 | 809 | 0.2+  | 0.3-  | 960908 | 684 | 0.2- | 0.2+ |
| 730924 | 675 | 0.2- | 0.9- | 900302 | 809 | 0.9-  | 0.0   | 960908 | 684 | 0.0  | 0.1+ |
| 730925 | 675 | 0.9+ | 2.1- | 900304 | 809 | 0.8-  | 0.2+  | 960909 | 684 | 0.3- | 0.7+ |
| 730925 | 675 | 0.1- | 0.2+ | 900304 | 809 | 0.2+  | 0.5-  | 960909 | 684 | 0.2- | 0.9+ |
| 730929 | 675 | 0.3+ | 0.2- | 900304 | 809 | 1.0+  | 0.5-  | 960909 | 684 | 0.2- | 0.9+ |
| 730929 | 675 | 0.5+ | 0.5+ | 910416 | 675 | 0.4-  | 0.1-  | 961009 | 566 | 0.3- | 1.2+ |
| 730930 | 675 | 0.5+ | 1.7- | 910416 | 675 | 0.0   | 0.5+  | 961009 | 566 | 0.2+ | 0.6+ |
| 730930 | 675 | 0.6+ | 0.1+ | 910419 | 809 | (1.8+ | 2.5-) | 961009 | 566 | 0.0  | 0.4+ |
| 731004 | 675 | 1.3+ | 1.9- | 910419 | 809 | (0.4+ | 2.5-) |        |     |      |      |
| 731004 | 675 | 0.4+ | 0.0  | 910419 | 809 | (0.1- | 2.7-) |        |     |      |      |

**(7215)\* 1977 FS = 1982 BB<sub>14</sub> = 1982 DW = 1988 ED<sub>2</sub> = 1994 EN<sub>1</sub>**

Discovered 1977 Mar. 16 by H.-E. Schuster at the European Southern Observatory.

Id. G. V. Williams (*MPC* 23667), S. Nakano (d, *MPC* 20125)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 5.83928    | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.17151193 | $\omega$ | 12.57745  | +0.86362404 |      | +0.44573546 |   |
| <i>a</i> | 3.2082866  | $\Omega$ | 318.23098 | -0.48773662 |      | +0.62054570 |   |
| <i>e</i> | 0.0166674  | <i>i</i> | 20.70625  | -0.12754025 |      | +0.64516892 |   |
| <i>P</i> | 5.75       | <i>H</i> | 11.3      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 770316 | 809 | 0.2- | 0.0  | 880314 | 033 | 0.3-  | 0.9+  | 960817 | 566 | 0.2- | 0.5- |
| 770320 | 809 | 0.7+ | 0.1+ | 940210 | 675 | 0.5+  | 0.7-  | 960817 | 566 | 0.4- | 0.4- |
| 770321 | 809 | 0.6- | 0.1+ | 940210 | 675 | 0.3-  | 1.9-  | 961013 | 801 | 1.0+ | 0.6- |
| 820130 | 675 | 0.3- | 0.4+ | 940304 | 399 | (4.3- | 0.7-) | 961013 | 801 | 1.6+ | 1.4- |
| 820131 | 675 | 0.8- | 1.0+ | 940304 | 399 | 1.7-  | 0.2+  | 961013 | 689 | 1.2+ | 0.2- |
| 820220 | 688 | 0.0  | 2.1- | 940311 | 399 | 0.1+  | 0.4-  | 961016 | 801 | 0.8+ | 0.1+ |
| 820220 | 688 | 0.9+ | 2.1- | 940311 | 399 | 0.7+  | 0.2+  |        |     |      |      |
| 880314 | 033 | 1.4- | 0.7+ | 960817 | 566 | 0.3-  | 0.6-  |        |     |      |      |

**(7216)\* 1977 QQ<sub>2</sub> = 1992 ES<sub>17</sub> = 1993 TM<sub>40</sub>**

Discovered 1977 Aug. 21 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. G. V. Williams (*MPC* 23856)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 56.29594   | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.31116268 | $\omega$ | 19.86300  | +0.46448257 |      | +0.88489588 |   |
| <i>a</i> | 2.1568058  | $\Omega$ | 277.82723 | -0.81718757 |      | +0.41310865 |   |
| <i>e</i> | 0.1785107  | <i>i</i> | 2.01654   | -0.34126297 |      | +0.21517558 |   |
| <i>P</i> | 3.17       | <i>H</i> | 13.7      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 770821 | 095 | 0.4- | 0.2- | 920407 | 809 | 0.2+ | 0.8+ | 960905 | 072 | 0.7+ | 0.0  |
| 770823 | 095 | 0.5+ | 1.7+ | 931010 | 691 | 0.2- | 0.6+ | 960912 | 691 | 0.3+ | 0.1- |
| 770909 | 095 | 0.7- | 0.1- | 931010 | 691 | 0.0  | 0.3+ | 960912 | 691 | 0.6- | 0.2- |
| 920301 | 809 | 0.4+ | 0.2- | 931010 | 691 | 0.2- | 0.3+ | 960912 | 691 | 0.5- | 0.1- |
| 920303 | 809 | 0.7- | 0.4- | 960903 | 072 | 0.1- | 0.5- | 961010 | 801 | 0.1- | 1.1- |
| 920305 | 809 | 0.9- | 0.4- | 960903 | 072 | 0.1+ | 0.6- | 961010 | 801 | 0.6+ | 0.9- |
| 920309 | 809 | 0.6+ | 0.7- | 960905 | 072 | 0.8+ | 0.4+ |        |     |      |      |

**(7217)\* 1979 QX<sub>3</sub> = 1991 TG<sub>1</sub>**

Discovered 1979 Aug. 22 by C.-I. Lagerkvist at the European Southern Observatory.

Id. H. Kaneda (*MPC* 19291)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 10.41456   | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.17200279 | $\omega$ | 355.23923 | +0.78106588 |      | +0.61659064 |   |
| <i>a</i> | 3.2021798  | $\Omega$ | 326.05207 | -0.56692410 |      | +0.63389157 |   |
| <i>e</i> | 0.1772152  | <i>i</i> | 10.18556  | -0.26178836 |      | +0.46690198 |   |
| <i>P</i> | 5.73       | <i>H</i> | 11.5      | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 790719 | 095 | 0.8- | 0.8- | 911007 | 046 | 0.0   | 0.9-  | 930127 | 801 | 0.4- | 0.6- |
| 790730 | 095 | 1.6+ | 0.8- | 911008 | 400 | 0.7-  | 0.8+  | 930127 | 801 | 0.3- | 0.5- |
| 790822 | 809 | 0.7- | 2.1- | 911008 | 400 | 0.2+  | 0.5+  | 940215 | 675 | 0.8- | 1.1- |
| 790822 | 809 | 0.7+ | 1.5- | 911010 | 400 | 0.2-  | 0.4+  | 940215 | 675 | 1.0- | 1.5- |
| 790822 | 809 | 0.9- | 1.2- | 911010 | 400 | (3.5+ | 1.8-) | 950401 | 689 | 0.7- | 0.3- |
| 790823 | 809 | 1.2+ | 0.6+ | 911013 | 366 | 1.0-  | 0.1+  | 950403 | 689 | 0.7- | 0.4- |
| 790823 | 809 | 0.8+ | 0.2+ | 911013 | 366 | 0.4+  | 0.8-  | 960806 | 684 | 0.1- | 0.5+ |
| 790826 | 809 | 1.7+ | 0.1+ | 911205 | 801 | 0.1-  | 0.5+  | 960806 | 684 | 0.2- | 0.6+ |
| 790826 | 809 | 0.2+ | 0.0  | 911206 | 801 | 0.0   | 0.5+  | 961011 | 801 | 1.9+ | 1.2- |
| 790826 | 809 | 0.7- | 0.5+ | 921227 | 801 | 0.4-  | 0.5-  | 961012 | 801 | 0.2- | 0.1+ |
| 790826 | 095 | 1.8+ | 0.6+ | 921228 | 801 | 0.3-  | 0.9-  | 961015 | 801 | 0.1- | 0.3+ |
| 790830 | 809 | 0.4- | 0.3- | 921228 | 801 | 0.8+  | 1.4-  | 961015 | 801 | 0.5- | 0.8+ |
| 790830 | 809 | 0.8- | 0.9- | 930119 | 801 | 1.0+  | 0.1+  |        |     |      |      |
| 911007 | 046 | 0.8- | 0.2- | 930119 | 801 | 0.4+  | 0.3-  |        |     |      |      |

**(7218)\* 1979 SK = 1986 VA<sub>1</sub>**

Discovered 1979 Sept. 19 by J. Kveton at Kleť.

Id. B. G. Marsden (*MPC* 11504)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Marsden     |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 14.60193   | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.28928753 | $\omega$ | 54.18635  | +0.98980862 |      | +0.13446368 |   |
| <i>a</i> | 2.2642076  | $\Omega$ | 298.04387 | -0.14166741 |      | +0.89633717 |   |
| <i>e</i> | 0.2002440  | <i>i</i> | 3.04526   | -0.01446548 |      | +0.42249164 |   |
| <i>P</i> | 3.41       | <i>H</i> | 15.0      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|        |     |      |      |          |     |      |      |        |     |      |      |
|--------|-----|------|------|----------|-----|------|------|--------|-----|------|------|
| 790919 | 046 | 1.7+ | 0.5- | Y 861104 | 046 | 0.4+ | 0.8- | 960819 | 046 | 0.1- | 0.2+ |
| 790919 | 046 | 1.2- | 1.0+ | Y 861107 | 046 | 2.1- | 0.3+ | 960821 | 046 | 0.0  | 0.1+ |

|        |     |       |       |        |     |       |       |        |     |      |      |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 790925 | 046 | 0.4−  | 0.7−  | 861107 | 046 | 0.0   | 0.6+  | 960821 | 046 | 0.1− | 0.1+ |
| 790925 | 046 | 0.6+  | 0.1−  | 861109 | 046 | 0.6−  | 0.5−  | 960821 | 046 | 0.1− | 0.2+ |
| 790926 | 046 | 1.0−  | 2.0−  | 861109 | 046 | 0.2+  | 0.2+  | 960930 | 046 | 0.2− | 0.6+ |
| 790926 | 046 | 1.0+  | 1.2−  | 890710 | 675 | 1.1+  | 0.6−  | 960930 | 046 | 0.2− | 0.7+ |
| 790927 | 046 | (0.3− | 3.8−) | 890710 | 675 | 0.8+  | 0.1−  | 960930 | 046 | 0.4− | 0.5+ |
| 790927 | 046 | 0.4−  | 2.0−  | 890802 | 675 | (0.3+ | 3.4+) | 961003 | 046 | 0.4− | 0.8+ |
| 791019 | 046 | 0.5+  | 0.3+  | 890802 | 675 | 1.7−  | 0.3+  | 961003 | 046 | 0.3− | 0.8+ |
| 791019 | 046 | 1.7+  | 0.7+  | 960819 | 046 | 0.0   | 0.1+  | 961003 | 046 | 0.4− | 0.8+ |
| 861103 | 046 | 2.0+  | 0.4+  | 960819 | 046 | 0.1−  | 0.1+  |        |     |      |      |

**(7219)\* 1981 EZ<sub>47</sub> = 1975 XX<sub>1</sub> = 1975 XE<sub>3</sub> = 1979 SU<sub>6</sub> = 1979 TT**

Discovered 1981 Mar. 3 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Id. B. G. Marsden (*MPC* 14016), C. M. Bardwell (d, *MPC* 5009), N. S. Chernykh (d, *MPC* 14016)

| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |          | Marsden     |      |             |   |
|-----------------------------------------|------------|----------|----------|-------------|------|-------------|---|
| <i>M</i>                                | 341.06256  | (2000.0) |          | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i>                                | 0.23141192 | $\omega$ | 48.17210 | +0.63764091 |      | −0.77033244 |   |
| <i>a</i>                                | 2.6275172  | $\Omega$ | 2.21320  | +0.69545975 |      | +0.57487311 |   |
| <i>e</i>                                | 0.2426658  | <i>i</i> | 2.10039  | +0.33128508 |      | +0.27587830 |   |
| <i>P</i>                                | 4.26       | <i>H</i> | 14.2     | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|        |     |       |       |        |     |       |       |        |     |      |      |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 550325 | 675 | 0.2−  | 0.3+  | 810303 | 413 | (5.0+ | 3.5−) | 921125 | 675 | 0.0  | 1.2− |
| 550325 | 675 | 0.9+  | 0.4+  | 810307 | 413 | 0.9−  | 0.3+  | 921128 | 675 | 1.0+ | 0.5− |
| 751126 | 330 | 1.4+  | 0.1+  | 810307 | 413 | 0.1−  | 0.9−  | 921128 | 675 | 0.1− | 0.4− |
| 751129 | 330 | 1.1−  | 1.1+  | 810311 | 413 | 0.4−  | 0.4+  | 960910 | 566 | 0.2+ | 0.2+ |
| 751201 | 095 | (0.5+ | 4.4+) | 810311 | 413 | 0.4+  | 0.2−  | 960910 | 566 | 0.5+ | 0.3+ |
| 751202 | 095 | (1.1+ | 5.6−) | 890109 | 046 | (5.3+ | 4.2−) | 960910 | 566 | 0.6+ | 0.4+ |
| 790923 | 095 | 0.3−  | 1.0−  | 890109 | 046 | 0.9−  | 1.3+  | 961012 | 801 | 0.1− | 0.6− |
| 791014 | 095 | 0.8−  | 0.7+  | 900422 | 675 | (3.6+ | 0.4+) | 961012 | 801 | 0.2− | 0.5− |
| 810202 | 413 | 0.7−  | 0.7−  | 900422 | 675 | 0.7−  | 0.6−  | 961015 | 801 | 0.1+ | 0.2− |
| 810213 | 413 | 1.4+  | 1.2−  | 921125 | 675 | 0.1+  | 0.4−  |        |     |      |      |

**(7220)\* 1981 QE = 1992 OA<sub>8</sub>**

Discovered 1981 Aug. 30 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. G. V. Williams (*MPC* 21563)

| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |           | Williams    |      |             |   |
|-----------------------------------------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i>                                | 2.05563    | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i>                                | 0.26223877 | $\omega$ | 164.50410 | +0.98061252 |      | −0.19577258 |   |
| <i>a</i>                                | 2.4173421  | $\Omega$ | 206.79027 | +0.17772420 |      | +0.90679953 |   |
| <i>e</i>                                | 0.2171598  | <i>i</i> | 1.08012   | +0.08254212 |      | +0.37334663 |   |
| <i>P</i>                                | 3.76       | <i>H</i> | 14.2      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 551211 | 675 | 1.7+ | 1.0+ | 811005 | 688 | (0.5− | 3.4−) | 940211 | 675 | 0.2− | 0.0  |
| 551211 | 675 | 0.5+ | 1.7+ | 811005 | 688 | 1.1+  | 1.8−  | 940214 | 675 | 0.8+ | 0.0  |
| 810830 | 688 | 0.8+ | 0.4− | 811005 | 046 | (3.8− | 0.5−) | 940214 | 675 | 0.6+ | 1.0− |
| 810830 | 688 | 0.1+ | 1.4− | 811005 | 046 | 1.2−  | 0.1+  | 950523 | 557 | 0.3− | 0.5− |
| 810902 | 095 | 1.1+ | 1.4+ | 920722 | 809 | 0.1+  | 0.2+  | 950523 | 557 | 0.7− | 0.3− |
| 810903 | 688 | 0.9+ | 0.8− | 920722 | 809 | 0.4+  | 0.3+  | 950523 | 557 | 0.9− | 0.4+ |
| 810903 | 688 | 1.2+ | 0.5− | 920722 | 809 | 0.7+  | 0.3+  | 960718 | 689 | 0.4− | 0.0  |
| 810922 | 046 | 1.3+ | 0.7+ | 920723 | 809 | 0.1+  | 0.3+  | 960901 | 689 | 0.3− | 0.9+ |
| 810922 | 046 | 1.7− | 0.8− | 920723 | 809 | 0.4+  | 0.7+  | 960915 | 689 | 0.1+ | 0.8+ |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 810925 | 688 | 0.5+ | 1.7− | 920723 | 809 | 0.9+ | 0.7+ | 960916 | 689 | 0.2+ | 0.6+ |
| 810925 | 688 | 0.5− | 2.1− | 940110 | 691 | 1.2− | 0.4+ | 961012 | 689 | 0.8+ | 0.5+ |
| 810925 | 046 | 2.2− | 1.2− | 940110 | 691 | 1.2− | 0.3+ | 961013 | 689 | 0.9+ | 1.2+ |
| 810925 | 046 | 2.5− | 0.9− | 940110 | 691 | 1.0− | 0.4+ |        |     |      |      |
| 810925 | 095 | 1.7− | 1.8+ | 940211 | 675 | 1.0+ | 1.6− |        |     |      |      |

**(7221)\* 1981 SJ = 1936 QH<sub>1</sub> = 1992 OS<sub>8</sub>**

Discovered 1981 Sept. 22 by Z. Vávrová at Kleť.

Id. T. Kobayashi (*MPC* 22223)

| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |           | Williams    |      |             |   |
|-----------------------------------------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i>                                | 27.70378   | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i>                                | 0.26343129 | $\omega$ | 22.35632  | +0.94585690 |      | +0.32425410 |   |
| <i>a</i>                                | 2.4100413  | $\Omega$ | 318.71420 | −0.30105390 |      | +0.85955034 |   |
| <i>e</i>                                | 0.2178951  | <i>i</i> | 1.27041   | −0.12133125 |      | +0.39500949 |   |
| <i>P</i>                                | 3.74       | <i>H</i> | 15.0      | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|        |     |       |       |        |     |       |       |        |     |      |      |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 360828 | 024 | 0.4+  | 1.2−  | 920726 | 809 | 0.6−  | 0.3+  | 960910 | 046 | 0.4+ | 0.3− |
| 510806 | 675 | 0.3+  | 1.3+  | 920726 | 809 | 0.1−  | 0.1+  | 960910 | 046 | 0.4+ | 0.2− |
| 510806 | 675 | 0.3+  | 0.1+  | 940114 | 691 | 0.4−  | 0.5+  | 960910 | 046 | 0.6+ | 0.1− |
| 810922 | 046 | (6.4+ | 2.8−) | 940114 | 691 | 0.1−  | 0.3+  | 960912 | 046 | 0.1− | 0.4+ |
| 810922 | 046 | 2.5−  | 0.4+  | 940114 | 691 | 0.4−  | 0.4+  | 960912 | 046 | 0.2− | 0.1+ |
| 810925 | 046 | (2.9+ | 2.3−) | 940117 | 691 | 1.2−  | 0.7+  | 960912 | 046 | 0.3− | 0.1+ |
| 810925 | 046 | 2.0+  | 1.0+  | 940117 | 691 | 0.6−  | 0.2+  | 960930 | 046 | 0.3+ | 0.1− |
| 810925 | 095 | 0.1+  | 0.7+  | 940117 | 691 | 0.1+  | 0.3−  | 960930 | 046 | 0.3+ | 0.0  |
| 811005 | 046 | 2.6−  | 0.1−  | 950422 | 046 | 0.1−  | 0.3+  | 960930 | 046 | 0.3+ | 0.0  |
| 811005 | 046 | (3.5− | 1.3−) | 950422 | 046 | 0.3+  | 0.7−  | 961003 | 046 | 0.7+ | 0.2− |
| 920724 | 809 | 0.7−  | 0.1−  | 950422 | 046 | 1.6+  | 0.5−  | 961003 | 046 | 0.6+ | 0.2− |
| 920724 | 809 | 0.2−  | 0.2−  | 950423 | 046 | (2.3+ | 0.4+) | 961003 | 046 | 0.6+ | 0.2− |
| 920724 | 809 | 0.1+  | 0.4−  | 950423 | 046 | 0.1−  | 1.0−  |        |     |      |      |
| 920726 | 809 | 0.8−  | 0.4+  | 950423 | 046 | 1.4+  | 1.6+  |        |     |      |      |

**(7222)\* 1981 TJ<sub>3</sub> = 1981 WK = 1941 UE**

Discovered 1981 Oct. 7 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Id. L. D. Schmadel (d, *MPC* 10022), K. Hurukawa (d, *ibid.*), S. Nakano (*MPC* 15881), W. Landgraf (*ibid.*)

| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |           | Nakano      |      |             |   |
|-----------------------------------------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i>                                | 231.42213  | (2000.0) |           | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i>                                | 0.17244012 | $\omega$ | 282.79214 | +0.81137697 |      | −0.58268774 |   |
| <i>a</i>                                | 3.1967635  | $\Omega$ | 112.86583 | +0.55388878 |      | +0.74114003 |   |
| <i>e</i>                                | 0.2226829  | <i>i</i> | 2.87939   | +0.18674751 |      | +0.33344634 |   |
| <i>P</i>                                | 5.72       | <i>H</i> | 12.6      | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|        |           |        |        |        |        |       |       |        |        |      |      |     |
|--------|-----------|--------|--------|--------|--------|-------|-------|--------|--------|------|------|-----|
| 411016 | 053(33.0− | 28.4+) | X      | 920928 | 691    | 0.8−  | 0.6+  | 960421 | 809    | 0.7− | 0.6+ |     |
| 411019 | 053(63.9− | 35.9−) | X      | 920928 | 691    | 0.8−  | 0.6+  | 960512 | 691    | 0.2+ | 0.1− |     |
| 411027 | 053       | (0.7+  | 53.1−) | X      | 921001 | 801   | 0.0   | 0.0    | 960512 | 691  | 0.3+ | 0.0 |
| 811007 | 095       | 0.3+   | 2.2+   | 921001 | 801    | 0.2+  | 0.2+  | 960512 | 691    | 0.2+ | 0.1− |     |
| 811022 | 095       | (4.2+  | 3.0+)  | 940214 | 033    | 0.2+  | 0.9+  | 960515 | 566    | 0.6+ | 1.2− |     |
| 811025 | 675       | 0.4−   | 1.1−   | 940214 | 033    | 0.2−  | 0.1+  | 960515 | 566    | 0.6+ | 1.2− |     |
| 811026 | 675       | 0.6−   | 0.6−   | 940215 | 033    | 0.4+  | 0.2+  | 960515 | 566    | 1.8+ | 1.0− |     |
| 811027 | 095       | (4.0+  | 1.2+)  | 940216 | 033    | 0.2−  | 0.2+  | 960520 | 691    | 1.6− | 0.6− |     |
| 811028 | 095       | 2.0+   | 1.5+   | 960420 | 809    | (2.7+ | 0.9+) | 960520 | 691    | 1.5− | 0.5− |     |
| 811120 | 688       | 0.9−   | 1.4−   | 960420 | 809    | 1.5+  | 1.4+  | 960520 | 691    | 1.8− | 0.2+ |     |

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 811120 | 688 | 0.9–  | 0.7+  | 960420 | 809 | 1.7+ | 1.1+ | 960522 | 809 | 0.3– | 0.3+ |
| 811202 | 688 | (1.2– | 5.2–) | 960420 | 691 | 0.2– | 0.3+ | 960522 | 809 | 0.2– | 0.5+ |
| 811202 | 688 | (1.2– | 2.9–) | 960420 | 691 | 0.2– | 0.0  | 960522 | 809 | 0.8– | 0.1+ |
| 920831 | 095 | 1.8+  | 0.9–  | 960420 | 691 | 0.3– | 0.1+ | 960524 | 809 | 1.0+ | 0.0  |
| 920831 | 095 | (2.9+ | 2.1–) | 960421 | 809 | 1.2+ | 1.3+ | 960524 | 809 | 0.4– | 0.5+ |
| 920928 | 691 | 0.9–  | 0.7+  | 960421 | 809 | 0.6+ | 1.2+ | 960524 | 809 | 0.9– | 0.0  |

**(7223)\* 1982 TF<sub>2</sub> = 1978 NW<sub>7</sub> = 1978 PG<sub>1</sub>**

Discovered 1982 Oct. 14 by L. V. Zhuravleva and L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. S. J. Bus (*MPC* 11053), W. Landgraf (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |  |            |  | Williams |  |           |  |
|----------|--|------------|--|----------|--|-----------|--|
| <i>M</i> |  | 358.83665  |  | (2000.0) |  |           |  |
| <i>n</i> |  | 0.27341836 |  | $\omega$ |  | 59.07125  |  |
| <i>a</i> |  | 2.3509908  |  | $\Omega$ |  | 291.41067 |  |
| <i>e</i> |  | 0.1754053  |  | <i>i</i> |  | 1.55654   |  |
| <i>P</i> |  | 3.60       |  | <i>H</i> |  | 14.1      |  |
|          |  |            |  | <i>G</i> |  | 0.15      |  |
|          |  |            |  | <i>U</i> |  | 2         |  |

Residuals in seconds of arc

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 501209 | 675 | 1.5+  | 0.4–  | 890904 | 675 | 0.7+ | 0.4– | 891027 | 801 | 2.2– | 1.7+ |
| 501209 | 675 | 0.1+  | 0.0   | 890925 | 801 | 0.0  | 1.8– | 891101 | 675 | 0.4+ | 1.3+ |
| 780709 | 675 | 1.2–  | 2.4+  | 890930 | 809 | 0.1+ | 0.9– | 891101 | 675 | 0.4– | 1.3+ |
| 780709 | 675 | (0.3– | 2.6+) | 890930 | 809 | 0.9+ | 0.7– | 960718 | 816 | 0.0  | 0.5+ |
| 780808 | 095 | 0.9–  | 0.8–  | 890930 | 809 | 1.5+ | 0.7– | 960718 | 816 | 0.0  | 0.4+ |
| 821014 | 095 | 0.8+  | 0.8+  | 890930 | 675 | 0.7+ | 0.0  | 960718 | 816 | 0.1+ | 0.3+ |
| 821020 | 095 | 0.9–  | 0.4+  | 890930 | 675 | 0.8+ | 0.2– | 960718 | 816 | 0.2+ | 0.4+ |
| 821025 | 095 | 0.6–  | 0.2+  | 891001 | 801 | 1.0+ | 1.6+ | 960718 | 689 | 0.1– | 0.4+ |
| 821109 | 095 | 1.3–  | 0.2+  | 891001 | 809 | 0.7– | 1.6– | 960722 | 566 | 0.2– | 0.2– |
| 821114 | 095 | 1.5–  | 1.1–  | 891001 | 809 | 0.0  | 1.5– | 960722 | 566 | 0.3– | 0.2– |
| 890902 | 675 | 1.3+  | 0.6+  | 891001 | 809 | 0.6+ | 1.4– | 960722 | 566 | 0.1– | 0.3– |
| 890902 | 675 | 1.4+  | 0.4+  | 891001 | 801 | 0.8+ | 1.3+ | 961015 | 801 | 0.2+ | 1.0– |
| 890903 | 801 | 0.2+  | 0.4–  | 891025 | 801 | 1.3– | 1.6+ | 961015 | 801 | 0.6– | 0.4+ |
| 890904 | 675 | 0.7+  | 0.4–  | 891026 | 801 | 2.5– | 0.6+ | 961016 | 801 | 0.7– | 0.3– |

**(7224)\* 1982 TK<sub>3</sub> = 1988 AM<sub>2</sub>**

Discovered 1982 Oct. 15 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Id. D. W. E. Green (*MPC* 13687)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |  |            |  | Green    |  |           |  |
|----------|--|------------|--|----------|--|-----------|--|
| <i>M</i> |  | 4.97460    |  | (2000.0) |  |           |  |
| <i>n</i> |  | 0.21331422 |  | $\omega$ |  | 75.28280  |  |
| <i>a</i> |  | 2.7741046  |  | $\Omega$ |  | 320.05491 |  |
| <i>e</i> |  | 0.1317576  |  | <i>i</i> |  | 8.87828   |  |
| <i>P</i> |  | 4.62       |  | <i>H</i> |  | 13.0      |  |
|          |  |            |  | <i>G</i> |  | 0.15      |  |
|          |  |            |  | <i>U</i> |  | 2         |  |

Residuals in seconds of arc

|        |     |       |       |        |     |       |       |        |     |       |       |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|-------|-------|
| 821015 | 095 | 1.0–  | 0.4–  | 910808 | 675 | 1.8–  | 1.1–  | 910912 | 801 | 0.6+  | 0.0   |
| 821024 | 095 | 0.4+  | 0.2–  | 910808 | 675 | (0.6– | 2.5–) | 910912 | 801 | (2.9+ | 0.3–) |
| 821109 | 095 | (4.2– | 0.0 ) | 910812 | 801 | 0.3–  | 0.3+  | 910916 | 675 | 0.6+  | 1.7–  |
| 821111 | 095 | 1.8+  | 1.3–  | 910812 | 801 | 0.4–  | 0.8+  | 910916 | 675 | 1.1–  | 1.5–  |
| 871220 | 010 | 0.1–  | 0.5+  | 910906 | 801 | 0.3–  | 0.7+  | 910917 | 675 | 1.0+  | 0.7+  |
| 871220 | 010 | 0.2–  | 0.4+  | 910906 | 801 | 0.4–  | 0.5+  | 910917 | 675 | 1.5+  | 0.1+  |
| 880111 | 033 | 0.0   | 0.1+  | 910908 | 801 | 0.3–  | 1.1+  | 960901 | 689 | 0.4+  | 0.1+  |
| 880111 | 033 | 0.1+  | 0.4+  | 910908 | 801 | 0.0   | 1.1+  | 960929 | 689 | 0.5–  | 0.5+  |

**(7225)\* 1983 BH = 1989 XJ**

Discovered 1983 Jan. 22 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. T. Furuta (*MPC* 15707)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |  |            |  | Williams |  |           |  |
|----------|--|------------|--|----------|--|-----------|--|
| <i>M</i> |  | 310.19145  |  | (2000.0) |  |           |  |
| <i>n</i> |  | 0.27541309 |  | $\omega$ |  | 203.35976 |  |
| <i>a</i> |  | 2.3396254  |  | $\Omega$ |  | 276.07786 |  |
| <i>e</i> |  | 0.2053742  |  | <i>i</i> |  | 6.87783   |  |
| <i>P</i> |  | 3.58       |  | <i>H</i> |  | 13.3      |  |
|          |  |            |  | <i>G</i> |  | 0.15      |  |
|          |  |            |  | <i>U</i> |  | 1         |  |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |       |       |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|-------|-------|
| 830122 | 688 | 0.4+ | 1.1+ | 891208 | 403 | 0.3+  | 1.1+  | 940408 | 801 | 0.1+  | 0.8+  |
| 830122 | 688 | 0.1– | 1.1+ | 891218 | 403 | (1.3– | 2.9+) | 940408 | 801 | 0.1–  | 0.8+  |
| 830215 | 688 | 0.3– | 1.5– | 891218 | 403 | 0.1–  | 2.0+  | 940408 | 323 | 0.9–  | 0.1+  |
| 830215 | 688 | 0.5– | 1.7– | 920925 | 801 | 0.2+  | 0.2–  | 940417 | 323 | 0.9+  | 0.4–  |
| 830316 | 688 | 0.2+ | 1.7– | 920925 | 801 | 0.3+  | 0.3–  | 960916 | 689 | 0.6+  | 0.8+  |
| 830316 | 688 | 0.6+ | 2.0– | 921001 | 801 | 0.1+  | 0.4–  | 961012 | 801 | (0.6+ | 2.2–) |
| 891203 | 403 | 1.1– | 0.1+ | 921001 | 801 | 1.1–  | 0.8–  | 961012 | 801 | 0.6–  | 0.7–  |
| 891203 | 403 | 1.3– | 0.0  | 921002 | 801 | 0.4+  | 0.4–  | 961012 | 689 | 0.2+  | 0.2+  |
| 891205 | 403 | 0.8+ | 0.9– | 921002 | 801 | 0.2+  | 0.2–  | 961013 | 689 | 0.0   | 0.4+  |
| 891205 | 403 | 0.5+ | 0.5+ | 921024 | 801 | 0.4+  | 0.3–  | 961015 | 801 | 1.2+  | 0.9–  |
| 891208 | 403 | 1.3– | 0.2– | 921024 | 801 | 0.1+  | 0.2–  | 961015 | 801 | 1.2+  | 0.3+  |

**(7226)\* 1984 QJ = 1982 HY<sub>2</sub> = 1990 RE<sub>1</sub>**

Discovered 1984 Aug. 21 by A. Mrkos at Kleť.

Id. H. Kaneda (*MPC* 17630), R. Nagata (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |  |            |  | Williams |  |           |  |
|----------|--|------------|--|----------|--|-----------|--|
| <i>M</i> |  | 357.83718  |  | (2000.0) |  |           |  |
| <i>n</i> |  | 0.17046055 |  | $\omega$ |  | 259.85790 |  |
| <i>a</i> |  | 3.2214653  |  | $\Omega$ |  | 125.73837 |  |
| <i>e</i> |  | 0.1668725  |  | <i>i</i> |  | 2.42124   |  |
| <i>P</i> |  | 5.78       |  | <i>H</i> |  | 12.6      |  |
|          |  |            |  | <i>G</i> |  | 0.15      |  |
|          |  |            |  | <i>U</i> |  | 1         |  |

Residuals in seconds of arc

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 500814 | 675 | 2.0+  | 0.9+  | 900918 | 809 | 0.1– | 0.7+ | 950630 | 046 | 0.9+ | 0.7+ |
| 500814 | 675 | 0.5–  | 0.1+  | 900918 | 809 | 0.0  | 0.5+ | 950630 | 046 | 1.0+ | 0.5+ |
| 820427 | 033 | 0.4+  | 0.4+  | 900920 | 675 | 0.0  | 0.3+ | 950706 | 046 | 0.4+ | 0.9+ |
| 820427 | 033 | 0.2–  | 0.9–  | 900920 | 675 | 0.4– | 0.2– | 950706 | 046 | 1.6– | 0.2+ |
| 840821 | 046 | 0.1+  | 1.0–  | 900921 | 809 | 0.1– | 0.1– | 950706 | 046 | 0.5– | 0.2– |
| 840821 | 046 | 0.8–  | 1.6–  | 900921 | 809 | 0.2+ | 0.0  | 960911 | 801 | 1.2+ | 0.7+ |
| 840822 | 046 | 1.2–  | 2.0–  | 900921 | 809 | 0.5+ | 0.1– | 960915 | 801 | 0.8+ | 0.2+ |
| 840822 | 046 | (3.8+ | 0.5–) | 920108 | 801 | 0.2– | 0.8– | 960915 | 801 | 0.4+ | 0.1+ |
| 840823 | 046 | 1.0–  | 1.4–  | 920108 | 801 | 0.6– | 0.7– | 961004 | 046 | 0.0  | 0.2+ |
| 840823 | 046 | (4.7– | 3.2–) | 920305 | 801 | 1.0– | 0.4+ | 961004 | 046 | 0.1+ | 0.3+ |
| 840901 | 046 | 1.2–  | 2.2–  | 920305 | 801 | 0.2– | 0.8+ | 961004 | 046 | 0.0  | 0.3+ |
| 840901 | 046 | (3.9– | 1.4–) | 940421 | 046 | 1.6+ | 0.0  | 961013 | 046 | 0.2+ | 0.6+ |
| 900914 | 675 | 0.4–  | 1.2+  | 940421 | 046 | 0.3– | 0.4+ | 961013 | 046 | 0.2+ | 0.6+ |
| 900914 | 675 | 0.0   | 0.5+  | 940421 | 046 | 0.2– | 0.2+ | 961013 | 046 | 0.2+ | 0.5+ |
| 900918 | 809 | 0.2–  | 0.6+  | 950629 | 046 | 0.3– | 0.5+ |        |     |      |      |

**(7227)\* 1984 SH<sub>6</sub> = 1990 EN<sub>5</sub>**

Discovered 1984 Sept. 22 by H. Debehogne at the European Southern Observatory.

Id. G. V. Williams (*MPC* 17203)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 12.28645   | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.25135905 | $\omega$ 253.46148 | +0.87234819   | -0.48694543 |
| <i>a</i> | 2.4866025  | $\Omega$ 135.65323 | +0.46892397   | +0.80824127 |
| <i>e</i> | 0.1226314  | <i>i</i> 3.56844   | +0.13827130   | +0.33110451 |
| <i>P</i> | 3.92       | <i>H</i> 13.8      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 491119 675 | 1.6- | 0.0  | 840928 809 | 0.4+ | 1.3+ | 910608 809 | 0.9- | 0.7- |
| 491119 675 | 0.3+ | 1.4- | 840929 809 | 0.3+ | 0.3- | 910608 809 | 1.1- | 0.6- |
| 840922 809 | 0.1- | 0.4+ | 840929 809 | 0.5+ | 0.0  | 910608 809 | 1.7- | 0.7- |
| 840922 809 | 0.0  | 0.6+ | 840929 809 | 0.4+ | 0.4+ | 920930 675 | 0.2- | 0.3- |
| 840922 809 | 0.2+ | 0.5+ | 840930 809 | 0.4- | 0.0  | 920930 675 | 0.1- | 0.9- |
| 840923 809 | 0.1+ | 0.1+ | 840930 809 | 0.0  | 0.2+ | 921003 675 | 0.5- | 0.1- |
| 840923 809 | 0.2+ | 0.3+ | 840930 809 | 0.5+ | 0.1- | 921003 675 | 0.2- | 0.4+ |
| 840923 809 | 0.5+ | 0.7+ | 841001 809 | 0.1+ | 0.2- | 921021 894 | 1.3- | 1.3- |
| 840924 809 | 1.2- | 0.2- | 841001 809 | 0.5+ | 0.3+ | 921021 894 | 0.6- | 1.0- |
| 840924 809 | 1.1- | 0.3- | 841001 809 | 0.7+ | 0.0  | 960919 711 | 0.0  | 0.0  |
| 840924 809 | 0.9- | 0.1+ | 900302 809 | 0.3- | 1.0- | 960919 711 | 0.0  | 0.0  |
| 840926 809 | 1.0+ | 0.4- | 900302 809 | 0.0  | 1.1- | 960920 711 | 0.1- | 0.1+ |
| 840926 809 | 1.3+ | 0.3- | 900302 809 | 0.6+ | 1.0- | 960920 711 | 0.1- | 0.1+ |
| 840926 809 | 1.5+ | 0.4- | 900303 809 | 0.0  | 1.2- | 960930 689 | 0.1- | 1.0- |
| 840927 809 | 0.9+ | 1.5- | 900303 809 | 0.4+ | 1.3- | 961012 801 | 0.1+ | 1.7- |
| 840927 809 | 1.4+ | 1.0- | 900303 809 | 1.0+ | 1.1- | 961015 801 | 0.7- | 0.4- |
| 840927 809 | 1.4+ | 1.1- | 910606 809 | 0.4+ | 1.3- | 961015 801 | 0.4- | 0.0  |
| 840928 809 | 0.4- | 0.8+ | 910606 809 | 0.6- | 1.4- |            |      |      |
| 840928 809 | 0.0  | 0.8+ | 910606 809 | 0.8- | 0.6- |            |      |      |

**(7228)\* 1985 GO = 1975 JG = 1978 EG<sub>6</sub> = 1979 QL**

Discovered 1985 Apr. 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. C. M. Bardwell (*MPC* 10029), K. Hurukawa (*ibid.*), L. D. Schmadel (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Bardwell

| <i>M</i> | 138.05502  | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29265491 | $\omega$ 123.34265 | -0.71038017   | +0.69975570 |
| <i>a</i> | 2.2468056  | $\Omega$ 101.19320 | -0.66861883   | -0.63745271 |
| <i>e</i> | 0.1045280  | <i>i</i> 4.41475   | -0.21979283   | -0.32248411 |
| <i>P</i> | 3.37       | <i>H</i> 14.0      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 750511 095 | 0.6-  | 0.7+  | 850423 688 | 0.6+ | 0.7- | 950403 801 | 0.4- | 0.6+ |
| 780306 095 | 0.2-  | 0.7-  | 850518 688 | 0.2- | 0.9- | 960901 689 | 0.6- | 0.6+ |
| 790823 801 | (7.6- | 0.2+) | 850518 688 | 0.5+ | 1.5- | 960902 689 | 0.5+ | 0.7+ |
| 850415 688 | 0.1-  | 0.8+  | 861101 801 | 0.3+ | 0.1+ | 960915 689 | 1.4- | 0.4- |
| 850415 688 | 0.4+  | 0.1+  | 950402 801 | 0.8+ | 1.0+ | 960929 689 | 1.2+ | 0.4- |
| 850423 688 | 0.2-  | 0.0   | 950403 801 | 0.4- | 0.5+ |            |      |      |

**(7229)\* 1985 RV**

Discovered 1985 Sept. 12 by Spacewatch at Kitt Peak.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 28.35511   | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.26264739 | $\omega$ 42.08700  | +0.52085454   | +0.83651902 |
| <i>a</i> | 2.4148342  | $\Omega$ 259.97121 | -0.82202866   | +0.43776087 |
| <i>e</i> | 0.2573813  | <i>i</i> 9.94930   | -0.23017264   | +0.32954719 |
| <i>P</i> | 3.75       | <i>H</i> 15.6      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 850912 691 | 0.5-  | 0.3-  | 850922 691 | 0.4- | 0.2+ | 880419 691 | 0.3- | 0.7- |
| 850912 691 | 0.9+  | 0.8-  | 850922 691 | 0.1+ | 0.0  | 880419 691 | 0.2- | 0.4- |
| 850912 691 | 0.6+  | 0.6-  | 851007 691 | 0.8+ | 0.2+ | 880419 691 | 0.2- | 0.5- |
| 850913 691 | (3.8+ | 2.5+) | 851007 691 | 0.9+ | 0.1+ | 931208 691 | 0.3- | 0.0  |
| 850913 691 | 0.1+  | 0.9+  | 851007 691 | 0.9+ | 0.3- | 931208 691 | 0.5- | 0.4- |
| 850913 691 | 0.2-  | 1.2+  | 851014 691 | 0.6+ | 0.2+ | 940104 691 | 0.2- | 0.0  |
| 850914 691 | 1.5-  | 0.6-  | 851014 691 | 0.8+ | 0.4+ | 940104 691 | 1.5+ | 0.6+ |
| 850914 691 | 0.4-  | 0.7-  | 851014 691 | 0.8+ | 0.4+ | 940104 691 | 0.2- | 0.0  |
| 850914 691 | 1.3-  | 0.5-  | 860113 691 | 0.2- | 0.1+ | 960804 560 | 0.4+ | 0.3+ |
| 850920 691 | 0.2+  | 0.5+  | 860113 691 | 0.8- | 0.1+ | 960804 560 | 0.5- | 0.2+ |
| 850920 691 | 0.1-  | 0.4+  | 860113 691 | 0.6- | 0.1- | 960804 560 | 1.2+ | 0.1- |
| 850920 691 | 0.1+  | 0.2+  | 880412 691 | 0.2- | 0.9+ | 960921 691 | 0.9- | 0.1- |
| 850922 691 | 2.1-  | 0.2-  | 880412 691 | 1.0+ | 1.6+ | 960921 691 | 0.9- | 0.4- |

**(7230)\* 1985 RZ<sub>1</sub> = 1952 RM = 1991 GH<sub>2</sub>**

Discovered 1985 Sept. 12 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. B. G. Marsden (*MPC* 18426)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

| <i>M</i> | 1.25570    | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.26955432 | $\omega$ 359.45152 | +0.92960122   | -0.36798167 |
| <i>a</i> | 2.3734050  | $\Omega$ 22.17489  | +0.33836265   | +0.82973107 |
| <i>e</i> | 0.2399795  | <i>i</i> 3.15333   | +0.14612423   | +0.41968540 |
| <i>P</i> | 3.66       | <i>H</i> 14.1      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 520911 839 | 1.1-  | 0.3+  | 850920 095 | 0.8+  | 1.2-  | 960902 763 | 0.5- | 0.7+ |
| 520911 839 | 1.5+  | 0.5+  | 910408 809 | (3.6+ | 1.7+) | 960902 763 | 0.2+ | 0.4+ |
| 540210 675 | 0.6-  | 1.1-  | 910408 809 | (2.7+ | 0.5+) | 960902 763 | 0.1+ | 0.7+ |
| 540210 675 | 0.6+  | 1.3+  | 910408 809 | 1.6+  | 0.4-  | 960902 763 | 0.0  | 0.5+ |
| 850814 095 | 0.4-  | 1.0-  | 910410 809 | 0.3+  | 0.7-  | 960902 763 | 0.2- | 0.3+ |
| 850818 095 | (3.1- | 4.0-) | 910410 809 | 1.2-  | 0.1+  | 960902 763 | 0.1- | 0.6+ |
| 850823 095 | (1.0+ | 4.3-) | 910410 809 | 0.5-  | 1.7-  | 960902 763 | 0.0  | 0.7+ |
| 850912 688 | 0.5+  | 0.4+  | 910415 675 | 1.1-  | 0.6+  | 960902 689 | 0.2+ | 1.2- |
| 850912 688 | 0.1-  | 0.9-  | 960901 689 | 0.1+  | 0.4+  | 960915 689 | 1.0+ | 0.4- |
| 850915 095 | 1.4-  | 1.0-  | 960902 763 | 0.0   | 0.9+  | 961013 689 | 0.0  | 1.8- |

**(7231)\* 1985 TQ<sub>1</sub> = 1974 TQ = 1983 EA<sub>2</sub>**

Discovered 1985 Oct. 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. T. Kobayashi (*MPC* 14195)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 19.50482   | (2000.0)           | <i>P</i>      | <i>Q</i>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17506144 | $\omega$ 314.64942 | +0.91153655   | +0.40676684 |
| <i>a</i> | 3.1647716  | $\Omega$ 21.56832  | -0.31529474   | +0.78554802 |
| <i>e</i> | 0.0817516  | <i>i</i> 9.44858   | -0.26398930   | +0.46632076 |
| <i>P</i> | 5.63       | <i>H</i> 11.9      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|            |      |      |            |       |       |            |       |       |
|------------|------|------|------------|-------|-------|------------|-------|-------|
| 741012 330 | 0.7+ | 0.9+ | 880217 675 | 0.5-  | 1.0-  | 940401 689 | 0.2-  | 0.0   |
| 830311 381 | 1.5- | 0.9+ | 911104 399 | 0.2-  | 0.4+  | 940402 689 | 0.1-  | 1.6-  |
| 830311 381 | 0.6+ | 0.4+ | 911104 399 | 0.0   | 0.6+  | 940415 689 | 0.5-  | 0.7-  |
| 851012 688 | 1.4+ | 2.4- | 911105 399 | (2.5- | 0.5+) | 960902 689 | (3.8- | 2.9-) |
| 851015 688 | 0.1+ | 1.8- | 911105 399 | 0.5-  | 0.5+  | 960915 689 | 1.5+  | 0.4+  |

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 851015 688 | 1.8+  | 0.8-  | 911108 801 | 0.4+ | 0.5+ | 960916 689 | 0.6- | 0.4+ |
| 851107 688 | (3.6- | 1.0-) | 911108 801 | 0.3+ | 0.4+ | 961010 801 | 0.4- | 0.9- |
| 851107 688 | 1.4-  | 0.1-  | 911204 399 | 1.0- | 0.4+ | 961010 801 | 0.5- | 0.4+ |
| 880217 675 | 0.1+  | 1.4-  | 911204 399 | 1.1- | 1.2- | 961012 801 | 0.9+ | 0.2- |

**(7232)\* 1985 UQ = 1978 WX<sub>16</sub>**

Discovered 1985 Oct. 20 by A. Mrkos at Kleť.

Id. E. Bowell (*MPC* 19018)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |                    | Williams      |             |  |  |
|----------|------------|--------------------|---------------|-------------|--|--|
| <i>M</i> | 59.25022   | (2000.0)           | <b>P</b>      | <b>Q</b>    |  |  |
| <i>n</i> | 0.27285823 | $\omega$ 244.74186 | +0.89512147   | +0.43890603 |  |  |
| <i>a</i> | 2.3542072  | $\Omega$ 89.14063  | -0.37570582   | +0.83709731 |  |  |
| <i>e</i> | 0.1849176  | <i>i</i> 4.48702   | -0.24000562   | +0.32654186 |  |  |
| <i>P</i> | 3.61       | <i>H</i> 14.6      | <i>G</i> 0.15 | <i>U</i> 1  |  |  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 491121 675 | 0.4+  | 1.0+  | 940117 691 | 0.1- | 0.1- | 950509 691 | 1.4- | 0.4- |
| 491121 675 | 0.6+  | 0.4-  | 940117 691 | 1.0- | 0.3- | 950509 691 | 1.4- | 0.1- |
| 781130 675 | 1.1+  | 0.7-  | 940212 675 | 0.2- | 1.6- | 960823 046 | 0.2- | 0.1+ |
| 781201 675 | 0.5+  | 1.6-  | 950422 046 | 0.3+ | 1.1- | 960823 046 | 0.6+ | 0.2+ |
| 851020 046 | 0.4-  | 2.3-  | 950422 046 | 1.2+ | 1.4- | 960823 046 | 0.1+ | 0.3+ |
| 851020 046 | 0.2-  | 2.1-  | 950422 046 | 1.6+ | 1.5- | 961013 046 | 0.4+ | 0.4+ |
| 851021 046 | 0.4-  | 0.8-  | 950423 046 | 1.1+ | 0.1+ | 961013 046 | 0.3+ | 0.2+ |
| 851021 046 | 0.9+  | 1.9-  | 950423 046 | 0.8+ | 0.4- | 961013 046 | 0.3+ | 0.2+ |
| 851024 046 | 1.1-  | 1.1-  | 950423 046 | 0.3- | 0.5- | 961014 046 | 0.0  | 0.8+ |
| 851024 046 | 0.9-  | 1.6-  | 950426 691 | 0.5- | 0.5+ | 961014 046 | 0.1+ | 0.6+ |
| 920803 675 | 0.2+  | 0.2-  | 950426 691 | 0.7- | 0.1- | 961014 046 | 0.1+ | 0.7+ |
| 920803 675 | 0.8+  | 0.2+  | 950426 691 | 0.6- | 0.1- | 961015 046 | 0.2+ | 0.7+ |
| 920806 675 | 0.4+  | 0.3-  | 950504 691 | 0.9- | 0.0  | 961015 046 | 0.2+ | 0.6+ |
| 920806 675 | 1.1+  | 0.2+  | 950504 691 | 0.1- | 0.2- | 961015 046 | 0.2+ | 0.5+ |
| 930124 691 | 0.6-  | 0.7+  | 950504 691 | 0.8- | 0.6- |            |      |      |
| 930124 691 | (2.1+ | 2.9+) | 950509 691 | 1.1- | 0.3- |            |      |      |

**(7233)\* 1986 EQ<sub>5</sub> = 1951 GU = 1992 UR<sub>1</sub>**

Discovered 1986 Mar. 7 by G. DeSanctis at the European Southern

Observatory.

Id. S. Nakano (*MPC* 21104)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |                    | Nakano        |             |  |  |
|----------|------------|--------------------|---------------|-------------|--|--|
| <i>M</i> | 135.30090  | (2000.0)           | <b>P</b>      | <b>Q</b>    |  |  |
| <i>n</i> | 0.22642846 | $\omega$ 213.59171 | -0.61313506   | +0.78698605 |  |  |
| <i>a</i> | 2.6659298  | $\Omega$ 18.88699  | -0.67004061   | -0.47201711 |  |  |
| <i>e</i> | 0.1318359  | <i>i</i> 12.25141  | -0.41846263   | -0.39730694 |  |  |
| <i>P</i> | 4.35       | <i>H</i> 11.7      | <i>G</i> 0.15 | <i>U</i> 1  |  |  |

Residuals in seconds of arc

|            |      |      |              |       |       |              |      |      |
|------------|------|------|--------------|-------|-------|--------------|------|------|
| 510402 711 | 0.3+ | 0.8+ | Y 900330 675 | 0.9-  | 0.5+  | 940313 801   | 0.5- | 0.2- |
| 860307 809 | 0.5+ | 0.2+ | 900330 675   | 0.8-  | 0.5-  | 940321 801   | 0.4- | 0.5- |
| 860307 809 | 0.2+ | 0.1+ | 921021 403   | 0.1+  | 0.5+  | Y 940321 801 | 0.4- | 0.5- |
| 860311 809 | 0.2- | 0.6- | 921021 403   | 1.2+  | 1.1+  | Y 960911 801 | 1.7+ | 0.7+ |
| 860311 809 | 0.0  | 0.3+ | 921026 403   | (1.7- | 2.4+) | 960911 801   | 0.9- | 0.2- |
| 860313 809 | 0.8+ | 0.1+ | 921026 403   | 0.9-  | 1.7+  | 960915 801   | 1.0+ | 0.6- |
| 860313 809 | 0.1+ | 0.6+ | 921227 801   | 0.3-  | 0.2-  | 960915 801   | 0.2- | 0.7- |
| 860318 809 | 0.1+ | 0.5- | 921228 801   | 0.2-  | 0.3-  | 961010 801   | 0.2- | 0.8- |
| 860318 809 | 0.1+ | 0.2+ | 940122 107   | 1.5+  | 0.5+  | 961010 801   | 0.0  | 0.2- |

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 900224 675 | 0.4- | 1.4- | 940122 107 | 0.3+ | 0.9+ | 961012 801 | 0.2- | 2.0- |
| 900224 675 | 0.6- | 0.4- | 940313 801 | 0.2- | 0.4- | 961012 801 | 0.7- | 0.7+ |

**(7234)\* 1986 QV<sub>3</sub> = 1969 OD = 1993 VA<sub>4</sub>**

Discovered 1986 Aug. 29 by H. Debehogne at the European Southern Observatory.

Id. S. Nakano (*MPC* 22810)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |                    | Nakano        |             |  |  |
|----------|------------|--------------------|---------------|-------------|--|--|
| <i>M</i> | 357.32206  | (2000.0)           | <b>P</b>      | <b>Q</b>    |  |  |
| <i>n</i> | 0.29169439 | $\omega$ 237.14473 | +0.99712435   | +0.00138324 |  |  |
| <i>a</i> | 2.2517353  | $\Omega$ 122.66980 | +0.02541829   | +0.93581098 |  |  |
| <i>e</i> | 0.2190803  | <i>i</i> 5.16420   | -0.07139293   | +0.35249951 |  |  |
| <i>P</i> | 3.38       | <i>H</i> 13.5      | <i>G</i> 0.15 | <i>U</i> 1  |  |  |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 550522 675 | 0.1-  | 0.0   | 860909 095 | 1.5-  | 0.2+  | 931122 901 | 0.1+ | 1.3+ |
| 550522 675 | 1.1+  | 0.7+  | 860929 095 | 2.0+  | 0.4+  | 931122 901 | 0.6+ | 0.8+ |
| 690716 095 | (5.9- | 4.1+) | 861006 095 | (3.5- | 5.2-) | 950304 691 | 0.6- | 0.3+ |
| 860811 095 | 0.6+  | 0.3+  | 931115 403 | 1.2-  | 0.5+  | 950304 691 | 0.6- | 0.1+ |
| 860817 095 | (9.4- | 4.3-) | 931115 403 | 0.3+  | 0.3-  | 960718 816 | 0.1+ | 0.2- |
| 860818 095 | 0.5-  | 1.8+  | 931115 402 | 0.4-  | 1.5-  | 960718 816 | 0.1+ | 0.1- |
| 860829 809 | 0.8-  | 1.0-  | 931115 402 | 0.0   | 0.8-  | 960718 816 | 0.1+ | 0.0  |
| 860829 809 | 0.5-  | 1.0-  | 931116 402 | 1.3+  | 0.8+  | 960718 816 | 0.1+ | 0.1- |
| 860829 809 | 0.7-  | 0.8-  | 931116 402 | (1.2+ | 3.8-) | 960929 689 | 0.9+ | 0.4+ |

**(7235)\* 1986 UY**

Discovered 1986 Oct. 30 by T. Seki at Geisei.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |                    | Williams      |             |  |  |
|----------|------------|--------------------|---------------|-------------|--|--|
| <i>M</i> | 0.41552    | (2000.0)           | <b>P</b>      | <b>Q</b>    |  |  |
| <i>n</i> | 0.29360662 | $\omega$ 45.37687  | +0.79191860   | -0.61051396 |  |  |
| <i>a</i> | 2.2419478  | $\Omega$ 352.22391 | +0.53282201   | +0.70027137 |  |  |
| <i>e</i> | 0.1643249  | <i>i</i> 4.97426   | +0.29827108   | +0.36999015 |  |  |
| <i>P</i> | 3.36       | <i>H</i> 14.2      | <i>G</i> 0.15 | <i>U</i> 2  |  |  |

Residuals in seconds of arc

|            |       |       |            |       |       |            |       |       |
|------------|-------|-------|------------|-------|-------|------------|-------|-------|
| 540210 675 | 1.0+  | 0.2-  | 861107 372 | 2.1-  | 0.7-  | 931222 372 | (0.5+ | 2.5+) |
| 540210 675 | 0.3+  | 2.2+  | 861126 372 | (0.5- | 2.9-) | 931225 372 | (0.1- | 3.0+) |
| 861009 092 | 0.6+  | 0.0   | 861126 372 | 1.1+  | 1.0+  | 931225 372 | (1.1- | 2.3+) |
| 861009 092 | 1.1+  | 0.7-  | 890803 372 | (1.0+ | 3.1+) | 940116 098 | (1.8- | 2.9+) |
| 861011 092 | 0.4+  | 0.3-  | 890803 372 | 1.6-  | 0.9+  | 940116 098 | 0.8-  | 0.8+  |
| 861011 092 | 0.0   | 0.2-  | 910213 675 | 0.5-  | 0.7+  | 940118 098 | 0.2+  | 1.2+  |
| 861012 092 | 1.4+  | 0.1-  | 910213 675 | 0.9-  | 1.6-  | 940118 098 | 1.7+  | 0.5-  |
| 861012 092 | 0.5+  | 0.2-  | 910312 675 | 0.3-  | 0.2-  | 960907 596 | 0.4+  | 0.4+  |
| 861030 372 | (3.0+ | 0.9+) | 910312 675 | 0.5+  | 0.7-  | 960907 596 | 0.3+  | 0.1+  |
| 861030 372 | (3.3+ | 4.0-) | 910323 372 | 0.5-  | 1.8-  | 960907 596 | 0.5+  | 0.2+  |
| 861103 372 | 2.5-  | 0.3+  | 910323 372 | 0.9+  | 0.6-  | 961010 801 | 0.1+  | 0.3-  |
| 861104 372 | (3.2- | 5.4+) | 931213 801 | 0.5-  | 0.2+  | 961010 801 | 0.2+  | 0.1-  |
| 861105 688 | 0.1-  | 0.6-  | 931213 801 | 0.1+  | 0.2+  |            |       |       |
| 861105 688 | 0.5+  | 0.0   | 931222 372 | 2.0-  | 0.5+  |            |       |       |

**(7236)\* 1987 PA**

Discovered 1987 Aug. 1 by J. Phinney at Palomar.

|                                         |            |                    |               |             |
|-----------------------------------------|------------|--------------------|---------------|-------------|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |                    | Williams      |             |
| <i>M</i>                                | 30.40936   | (2000.0)           | <b>P</b>      | <b>Q</b>    |
| <i>n</i>                                | 0.22017288 | $\omega$ 337.77456 | +0.29532035   | +0.92974047 |
| <i>a</i>                                | 2.7161901  | $\Omega$ 308.68622 | -0.82869819   | +0.13472322 |
| <i>e</i>                                | 0.5640070  | <i>i</i> 16.36467  | -0.47544211   | +0.34268398 |
| <i>P</i>                                | 4.48       | <i>H</i> 18.3      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|            |               |            |           |            |           |
|------------|---------------|------------|-----------|------------|-----------|
| 870801 675 | (1.2- 7.4+)   | 871026 688 | 0.3+ 0.8+ | 960816 587 | 0.3- 0.0  |
| 870801 675 | 2.2+ 1.6+     | 871026 688 | 0.3+ 0.8+ | 960816 587 | 0.8- 0.1+ |
| 870802 675 | 1.1+ 0.7+     | 960327 413 | 1.0+ 0.8- | 960816 587 | 0.1+ 0.3+ |
| 870802 675 | 1.0+ 0.5-     | 960609 413 | 1.1- 1.8- | 960818 046 | 0.0 0.2+  |
| 870805 675 | (2.2- 3.6+)   | 960609 413 | 0.7- 0.4- | 960818 046 | 0.1+ 0.1+ |
| 870805 675 | 0.3- 1.9-     | 960610 413 | 0.7+ 0.1- | 960818 046 | 0.3+ 0.0  |
| 870817 691 | 0.6- 0.1-     | 960610 413 | 0.5+ 0.4+ | 960821 711 | 0.1+ 0.2+ |
| 870817 691 | 0.6- 0.4-     | 960610 413 | 0.7+ 0.1+ | 960821 711 | 0.2+ 0.2+ |
| 870817 691 | 1.1- 0.3+     | 960621 413 | 0.4- 0.2+ | 960823 658 | 0.0 0.2-  |
| 870821 801 | 0.6- 0.8-     | 960621 413 | 0.5- 0.3+ | 960823 658 | 0.1- 0.1- |
| 870822 675 | (3.3- 0.1-)Y  | 960713 711 | 0.1- 0.1+ | 960823 658 | 0.0 0.0   |
| 870822 675 | 1.6- 1.1- Y   | 960713 711 | 0.0 0.2+  | 960825 658 | 0.1+ 0.1+ |
| 870824 801 | 1.2- 0.3+     | 960716 360 | 1.1- 0.1+ | 960825 658 | 0.1- 0.0  |
| 870828 688 | 0.0 0.4-      | 960716 360 | 1.1- 0.3+ | 960825 658 | 0.1+ 0.0  |
| 870828 688 | 0.1- 0.3-     | 960716 360 | 0.9- 0.5+ | 960906 587 | 0.9- 1.0+ |
| 870828 675 | (4.6- 8.0-)Y  | 960723 711 | 0.1+ 0.3- | 960906 587 | 1.2+ 0.2+ |
| 870828 675 | (1.7- 11.5-)Y | 960723 711 | 0.0 0.3-  | 960919 711 | 0.3- 0.2+ |
| 870829 691 | 0.9+ 0.2+     | 960731 608 | 0.7+ 0.2+ | 960919 711 | 0.2- 0.1+ |
| 870829 691 | 0.7+ 0.1+     | 960731 608 | 0.4+ 0.2+ | 960920 711 | 0.4- 0.5+ |
| 870829 691 | 1.1+ 0.2-     | 960801 608 | 1.1+ 0.1+ | 960920 711 | 0.4- 0.5+ |
| 870919 691 | 0.5- 0.1-     | 960801 608 | 0.3+ 0.2- | 961012 711 | 0.3- 0.4- |
| 870919 691 | 0.3- 0.4-     | 960809 104 | 0.9+ 0.1+ | 961012 711 | 0.1- 0.2- |
| 870919 691 | 1.1+ 0.8-     | 960809 104 | 0.9+ 0.2- | 961014 711 | 0.1+ 0.2- |
| 870920 691 | 0.5- 0.3-     | 960809 104 | 0.5+ 0.4+ | 961014 711 | 0.6+ 0.2- |
| 870920 691 | 0.0 0.6-      | 960815 587 | 1.2- 0.0  |            |           |
| 870920 691 | 1.0+ 0.7-     | 960815 587 | 1.3- 0.4+ |            |           |

**(7237)\* 1988 VH = 1987 KC = 1987 KL<sub>5</sub>**

Discovered 1988 Nov. 3 by K. Suzuki and T. Furuta at Toyota.

Id. S. Nakano (*MPC* 14199)

|                                         |            |                    |               |             |
|-----------------------------------------|------------|--------------------|---------------|-------------|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |                    | Nakano        |             |
| <i>M</i>                                | 26.94069   | (2000.0)           | <b>P</b>      | <b>Q</b>    |
| <i>n</i>                                | 0.23799495 | $\omega$ 99.80542  | +0.93499093   | +0.29967353 |
| <i>a</i>                                | 2.5788390  | $\Omega$ 242.96547 | -0.34580357   | +0.88911096 |
| <i>e</i>                                | 0.1665488  | <i>i</i> 12.29679  | +0.07881531   | +0.34594432 |
| <i>P</i>                                | 4.14       | <i>H</i> 13.0      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |             |            |              |            |             |
|------------|-------------|------------|--------------|------------|-------------|
| 551119 675 | 0.4+ 0.0    | 881120 881 | 1.0+ 0.6+    | 921020 881 | 0.1- 1.3- Y |
| 551119 675 | 0.5- 0.0    | 881127 385 | 0.7+ 0.3-    | 921027 881 | 0.7- 0.0    |
| 551211 675 | (3.7- 1.3-) | 881127 385 | 0.1+ 0.2-    | 921027 881 | 0.8- 1.0-   |
| 551211 675 | 0.1+ 1.6-   | 881129 385 | 0.4- 0.9+    | 921117 881 | 0.1- 0.6+   |
| 870522 675 | (9.2- 3.2+) | 881129 385 | (3.2- 0.2+)  | 921117 881 | 0.2- 0.2+   |
| 870523 675 | (5.5- 4.9+) | 881130 372 | (5.8- 2.6+)Y | 921129 801 | 0.8+ 0.0    |
| 870530 675 | 0.6- 1.1+   | 881202 372 | (6.0- 2.6-)  | 921129 801 | 0.7+ 0.1+   |
| 870530 675 | 0.4+ 0.9+   | 881202 372 | (4.7- 0.6-)  | 960718 801 | 0.3- 0.1-   |
| 881103 881 | 1.6- 1.5+   | 881202 881 | 1.5+ 1.3+    | 960718 801 | 0.0 0.0     |

|            |              |            |             |            |           |
|------------|--------------|------------|-------------|------------|-----------|
| 881103 881 | (0.1+ 4.6+)Y | 881202 881 | 2.1- 0.2+   | 960720 801 | 0.3- 0.2+ |
| 881107 881 | 0.6+ 1.3+    | 881205 372 | (3.8+ 3.6+) | 961010 801 | 0.1+ 0.0  |
| 881107 881 | 0.3- 1.2+    | 881205 372 | (4.9+ 2.0+) | 961010 801 | 0.1+ 0.2- |
| 881113 881 | 1.3- 0.3-    | 881207 372 | (1.6- 3.3-) | 961012 801 | 0.2- 0.5+ |
| 881113 881 | 2.0+ 0.6+    | 881207 372 | (0.6- 2.7-) | 961012 801 | 0.5+ 0.8- |
| 881120 881 | 0.9- 0.9-    | 921020 881 | 1.5+ 0.4- Y |            |           |

**(7238)\* 1989 OA = 1978 LR = 1985 HN<sub>1</sub> = 1986 VO**

Discovered 1989 July 27 by Y. Mizuno and T. Furuta at Kani.

Id. T. Furuta (*MPC* 15072)

|                                         |            |                    |               |             |
|-----------------------------------------|------------|--------------------|---------------|-------------|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |                    | Nakano        |             |
| <i>M</i>                                | 38.11104   | (2000.0)           | <b>P</b>      | <b>Q</b>    |
| <i>n</i>                                | 0.27905526 | $\omega$ 47.09786  | +0.35768213   | +0.93135548 |
| <i>a</i>                                | 2.3192233  | $\Omega$ 243.97631 | -0.87735696   | +0.31016581 |
| <i>e</i>                                | 0.1331548  | <i>i</i> 4.34758   | -0.31985664   | +0.19072007 |
| <i>P</i>                                | 3.53       | <i>H</i> 13.3      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |              |            |             |            |           |
|------------|--------------|------------|-------------|------------|-----------|
| 511108 675 | 0.8+ 1.5-    | 861109 046 | (0.1- 2.8-) | 890828 403 | 0.9- 0.5+ |
| 511108 675 | 1.9- 0.1+    | 861109 046 | 1.4+ 1.9-   | 960818 801 | 0.3- 0.4- |
| 780606 119 | 0.2- 0.3-    | 890727 403 | 1.7+ 0.1-   | 960818 801 | 0.0 0.1+  |
| 780606 119 | 0.0 0.7-     | 890727 403 | 0.3+ 1.4-   | 960819 801 | 0.1- 0.1+ |
| 850424 688 | 0.7- 0.7-    | 890728 403 | 1.2- 0.1+   | 960819 801 | 0.3- 0.0  |
| 850424 688 | 0.6+ 1.0-    | 890728 403 | 1.5- 1.0-   | 960915 801 | 0.3+ 1.6- |
| 861103 046 | (11.7+ 6.4-) | 890811 403 | 1.5+ 0.2+   | 961012 689 | 1.7- 0.2- |
| 861103 046 | (12.4+ 5.7-) | 890811 403 | 2.2+ 0.7+   | 961013 801 | 0.7- 0.2+ |
| 861107 046 | (1.5- 3.8-)  | 890822 403 | 1.2+ 2.0+   |            |           |
| 861107 046 | (1.0- 4.6-)  | 890822 403 | 1.9- 0.0    |            |           |

**(7239)\* 1989 TE = 1982 TB**

Discovered 1989 Oct. 4 by B. G. W. Manning at Stakenbridge.

Id. B. G. Marsden (*MPC* 15422)

|                                         |            |                    |               |             |
|-----------------------------------------|------------|--------------------|---------------|-------------|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |                    | Marsden       |             |
| <i>M</i>                                | 19.79052   | (2000.0)           | <b>P</b>      | <b>Q</b>    |
| <i>n</i>                                | 0.27988366 | $\omega$ 73.12758  | +0.95075767   | +0.30352947 |
| <i>a</i>                                | 2.3146448  | $\Omega$ 269.16837 | -0.30284632   | +0.86679959 |
| <i>e</i>                                | 0.2638672  | <i>i</i> 3.59446   | -0.06590874   | +0.39563661 |
| <i>P</i>                                | 3.52       | <i>H</i> 15.0      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |             |            |           |            |           |
|------------|-------------|------------|-----------|------------|-----------|
| 780507 413 | 0.2- 0.7-   | 891003 046 | 0.1- 1.2+ | 950403 494 | 1.3- 1.3- |
| 780723 413 | (5.3- 0.6-) | 891004 046 | 1.2- 0.2- | 950403 494 | 0.7- 1.3- |
| 780803 413 | 0.7+ 0.6-   | 891004 046 | 1.2- 2.0+ | 950406 494 | 0.3+ 1.5- |
| 821011 688 | 1.9+ 2.1-   | 891004 494 | 0.6+ 0.7- | 950406 494 | 0.4- 0.3+ |
| 821011 688 | (2.9+ 2.3-) | 891004 494 | 1.3+ 0.0  | 950406 494 | 0.1- 0.5+ |
| 890607 413 | 0.8- 0.8-   | 891005 046 | 1.7- 0.4+ | 960905 494 | 0.1- 0.2- |
| 890613 413 | 0.3+ 0.3-   | 891005 046 | 1.9- 0.5- | 960905 494 | 0.4+ 0.2- |
| 890902 675 | 0.8+ 0.9+   | 891005 494 | 0.1- 0.1+ | 960914 494 | 0.2+ 0.6+ |
| 890902 675 | 0.9+ 1.1-   | 891005 494 | 0.9+ 0.3- | 960914 494 | 0.3+ 1.0+ |
| 890907 046 | 0.7- 1.0-   | 891008 413 | 0.7+ 0.4+ | 960915 801 | 0.0 0.1-  |
| 890907 046 | 0.3+ 1.3-   | 891008 413 | 0.1- 0.7+ | 960915 801 | 0.0 0.2-  |
| 890909 046 | 1.7- 1.9-   | 891020 413 | 1.0+ 0.2+ | 961003 494 | 0.4- 0.7- |
| 890909 046 | 0.7- 1.0-   | 891020 413 | 0.4+ 0.5- | 961003 494 | 0.0 0.5+  |
| 890922 046 | 0.6+ 0.2-   | 940130 494 | 0.5+ 0.2+ | 961003 494 | 0.1+ 0.5+ |
| 890922 046 | 0.4+ 0.0    | 940130 494 | 0.1+ 0.4+ | 961013 494 | 0.2- 0.2+ |

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 890930 675 | 0.3+ | 0.3- | 940201 494 | 1.1+ | 1.6- | 961013 494 | 0.5- | 0.4+ |
| 890930 675 | 1.6+ | 0.1- | 940209 494 | 0.5- | 0.9- | 961015 801 | 0.0  | 0.1+ |
| 891003 046 | 0.9- | 0.1- | 940209 494 | 1.0- | 0.4- | 961015 801 | 0.2+ | 1.0+ |

**(7240)\* 1989 YG = 1985 SM<sub>6</sub> = 1992 PU<sub>5</sub>**

Discovered 1989 Dec. 19 by Y. Mizuno and T. Furuta at Kani.

Id. E. Bowell (*MPC* 21263), G. V. Williams (*ibid.*), B. G. Marsden (*MPC* 23670)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

| <i>M</i> | 0.87825    |          | (2000.0) | <b>P</b>    |      | <b>Q</b>    |   |
|----------|------------|----------|----------|-------------|------|-------------|---|
| <i>n</i> | 0.27274462 | $\omega$ | 36.13621 | +0.67276935 |      | -0.73959982 |   |
| <i>a</i> | 2.3548609  | $\Omega$ | 11.62504 | +0.65431710 |      | +0.58259421 |   |
| <i>e</i> | 0.1581482  | <i>i</i> | 5.50369  | +0.34532671 |      | +0.33701051 |   |
| <i>P</i> | 3.61       | <i>H</i> | 13.9     | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|            |       |      |              |      |      |            |      |      |
|------------|-------|------|--------------|------|------|------------|------|------|
| 850922 095 | 0.3+  | 0.3- | 920803 675   | 0.2- | 0.5+ | 940212 809 | 0.4+ | 1.4+ |
| 891219 403 | 0.0   | 0.1+ | 920806 675   | 0.3- | 0.8+ | 940212 809 | 0.1- | 1.3+ |
| 891219 403 | 1.0+  | 0.8+ | 920806 675   | 0.5- | 0.8+ | 940212 809 | 0.1- | 0.8+ |
| 891227 403 | 1.0-  | 2.3- | Y 940207 809 | 0.8+ | 0.3+ | 960906 596 | 0.3- | 1.0+ |
| 891227 403 | (3.4+ | 2.3- | 940207 809   | 0.0  | 0.0  | 960906 596 | 0.1- | 0.9+ |
| 891231 403 | (4.4+ | 0.4- | 940207 809   | 1.2- | 0.2+ | 960907 596 | 0.2- | 0.6+ |
| 891231 403 | (3.7+ | 0.7+ | 940209 809   | 1.0+ | 0.6+ | 961012 801 | 0.3- | 1.7- |
| 900104 403 | 0.2-  | 0.2+ | 940209 809   | 1.4+ | 0.3- | 961015 801 | 0.0  | 0.6+ |
| 920803 675 | 0.5-  | 0.4+ | 940209 809   | 0.0  | 0.3- | 961015 801 | 0.2+ | 0.9+ |

**(7241)\* 1990 VF<sub>3</sub> = 1980 TC<sub>11</sub> = 1980 VA<sub>1</sub>**

Discovered 1990 Nov. 11 by K. Endate and K. Watanabe at Kitami.

Id. H. Kaneda (*MPC* 17644), B. G. Marsden (d, *ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 359.51870  |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>n</i> | 0.30071466 | $\omega$ | 235.80093 | +0.94802120 |      | +0.30981488 |   |
| <i>a</i> | 2.2064782  | $\Omega$ | 106.05796 | -0.26141114 |      | +0.88835923 |   |
| <i>e</i> | 0.1360638  | <i>i</i> | 4.33260   | -0.18143873 |      | +0.33886963 |   |
| <i>P</i> | 3.28       | <i>H</i> | 13.7      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 801008 095 | 1.9+  | 0.9+  | 901118 400 | (7.0- | 3.5+) | 931111 801 | 0.1- | 0.2- |
| 801110 511 | 0.8-  | 0.3+  | 901118 400 | (8.1- | 0.0 ) | 931111 801 | 0.1- | 0.2- |
| 801110 511 | 0.9-  | 0.6+  | 901124 400 | 0.7+  | 0.4-  | 931113 801 | 0.4- | 0.1- |
| 801110 511 | 1.4-  | 0.9+  | 901124 400 | 0.9+  | 0.3+  | 931113 801 | 1.2- | 0.0  |
| 901111 400 | (1.1+ | 2.8-  | 901208 400 | 1.8-  | 0.2-  | 960715 566 | 0.4- | 0.3+ |
| 901111 400 | (0.2+ | 2.5-  | 901208 400 | (0.3- | 3.1+) | 960715 566 | 0.2- | 0.0  |
| 901113 400 | 0.3-  | 1.2-  | 930912 801 | 0.3-  | 0.0   | 960715 566 | 0.1- | 0.1+ |
| 901113 400 | 1.1+  | 0.1-  | 930912 801 | 0.4+  | 0.1-  | 960930 689 | 1.2+ | 0.3- |
| 901116 403 | (6.5- | 0.7+) | 930920 801 | 0.6+  | 0.4-  |            |      |      |
| 901116 403 | (4.3- | 1.2-) | 930920 801 | 0.9+  | 0.4-  |            |      |      |

**(7242)\* 1990 VG<sub>3</sub> = 1982 DX<sub>6</sub>**

Discovered 1990 Nov. 11 by K. Endate and K. Watanabe at Kitami.

Id. H. Kaneda (*MPC* 17460)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 345.15151  |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>n</i> | 0.30911739 | $\omega$ | 261.48991 | +0.93913516 |      | -0.33648319 |   |
| <i>a</i> | 2.1663091  | $\Omega$ | 118.14828 | +0.33794703 |      | +0.86854459 |   |
| <i>e</i> | 0.1487305  | <i>i</i> | 4.50865   | +0.06178156 |      | +0.36388096 |   |
| <i>P</i> | 3.19       | <i>H</i> | 14.7      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 820220 033 | 0.5-  | 0.2+  | 901115 809 | (0.8- | 4.8-) | 931019 801 | 1.0- | 1.2- |
| 820220 033 | 0.2+  | 0.1+  | 901124 400 | 0.2+  | 0.7+  | 950326 691 | 0.5- | 0.3- |
| 820221 033 | 0.3-  | 1.1-  | 901124 400 | (1.9+ | 2.1-) | 950326 691 | 0.1+ | 0.6- |
| 820221 033 | (3.2+ | 1.7-) | 920426 691 | 0.2-  | 0.2-  | 950326 691 | 0.9- | 0.6- |
| 820221 033 | 0.5+  | 0.3+  | 920426 691 | 0.1-  | 0.2-  | 950401 691 | 0.0  | 0.2- |
| 901111 400 | (2.5+ | 3.0+) | 920426 691 | 0.1-  | 0.0   | 950401 691 | 0.3- | 0.2- |
| 901111 400 | 1.7+  | 0.7+  | 931014 801 | 0.5-  | 1.0-  | 950401 691 | 0.2- | 0.6- |
| 901113 400 | (0.2- | 2.5+) | 931014 801 | 0.6-  | 0.9-  | 960718 689 | 0.8+ | 0.4+ |
| 901113 400 | (0.3+ | 3.2+) | 931016 400 | 0.3+  | 0.3+  | 960916 689 | 1.1+ | 1.2+ |
| 901115 809 | (0.2+ | 4.5-) | 931016 400 | 1.0+  | 0.6-  | 960929 689 | 1.0+ | 1.2- |
| 901115 809 | (0.3- | 3.8-) | 931019 801 | 1.5-  | 1.2-  |            |      |      |

**(7243)\* 1990 VV<sub>3</sub> = 1982 FA<sub>4</sub> = 1995 BF<sub>4</sub>**

Discovered 1990 Nov. 12 by S. Ueda and H. Kaneda at Kushiro.

Id. K. Kinoshita (*MPC* 24896), S. Nakano (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 48.51317   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>n</i> | 0.29599705 | $\omega$ | 297.44140 | +0.23237270 |      | +0.97259208 |   |
| <i>a</i> | 2.2298610  | $\Omega$ | 345.98811 | -0.87995449 |      | +0.20662428 |   |
| <i>e</i> | 0.0727791  | <i>i</i> | 1.94554   | -0.41434650 |      | +0.10663510 |   |
| <i>P</i> | 3.33       | <i>H</i> | 13.9      | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|            |       |        |            |       |       |            |      |      |
|------------|-------|--------|------------|-------|-------|------------|------|------|
| 820329 809 | (3.2- | 80.7-) | 901113 399 | 0.5-  | 1.2-  | 950128 399 | 1.3- | 0.0  |
| 820329 809 | (2.9- | 80.6-) | 901124 399 | (2.3- | 0.8+) | 950128 399 | 0.3+ | 1.7- |
| 820329 809 | (3.5- | 80.6-) | 901124 399 | 1.4+  | 1.4+  | 950203 399 | 0.9- | 0.7+ |
| 820330 809 | 1.0-  | 0.5-   | 930915 809 | (2.6+ | 0.8+) | 950203 399 | 0.6+ | 1.6+ |
| 820330 809 | 1.0-  | 0.6-   | 930915 809 | 0.3+  | 0.7-  | 950206 399 | 0.5+ | 1.0+ |
| 820330 809 | 1.2-  | 0.4-   | 930915 809 | 0.8-  | 0.4+  | 950206 399 | 0.2+ | 0.9+ |
| 820401 809 | 0.4+  | 1.1-   | 930919 675 | 0.5-  | 0.6-  | 950207 691 | 0.1+ | 0.5- |
| 820401 809 | 0.5+  | 0.5-   | 930919 675 | 0.9-  | 1.2-  | 950207 691 | 0.3- | 0.4- |
| 820401 809 | 0.6+  | 0.1+   | 930922 809 | 0.1-  | 1.0+  | 950207 691 | 0.2+ | 0.5- |
| 901112 399 | (5.0+ | 0.7+)  | 930922 809 | 0.4+  | 0.1+  | 960814 566 | 0.9+ | 0.0  |
| 901112 399 | 0.7+  | 1.2-   | 930922 809 | 0.0   | 0.0   | 960814 566 | 0.6+ | 0.1- |
| 901112 399 | 1.3+  | 0.9+   | 930923 675 | 0.6-  | 0.8-  | 960814 566 | 0.9+ | 0.1+ |
| 901113 399 | 0.5+  | 0.9-   | 930923 675 | 0.6-  | 0.3-  | 960929 689 | 0.9- | 0.7- |

**(7244)\* 1991 PQ<sub>1</sub> = 1972 TR<sub>3</sub>**

Discovered 1991 Aug. 5 by E. W. Elst at the European Southern Observatory.

Id. H. Kaneda (*MPC* 19030)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 17.48625   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>n</i> | 0.20244580 | $\omega$ | 183.09212 | +0.88177694 |      | +0.47107833 |   |
| <i>a</i> | 2.8725232  | $\Omega$ | 148.76885 | -0.43176525 |      | +0.82627389 |   |
| <i>e</i> | 0.0791305  | <i>i</i> | 2.60337   | -0.18986362 |      | +0.30879876 |   |
| <i>P</i> | 4.87       | <i>H</i> | 12.8      | <i>G</i>    | 0.15 | <i>U</i>    | 1 |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 500322 675 | 0.6-  | 0.3+  | 910807 675 | (1.6- | 2.3-) | 940215 033 | 0.8- | 0.1+ |
| 500322 675 | 0.6-  | 0.9+  | 910810 809 | 0.7+  | 0.5+  | 940216 033 | 1.0- | 0.2- |
| 721005 095 | (3.2+ | 8.9-) | 910810 809 | 0.0   | 0.4-  | 940304 033 | 0.3- | 0.7- |
| 721013 095 | (2.9+ | 4.3-) | 910810 809 | 0.5+  | 0.3+  | 940304 033 | 0.2- | 0.2- |
| 840125 675 | 0.7+  | 0.5-  | 910904 809 | 0.7+  | 0.6+  | 940314 675 | 0.4+ | 0.3- |
| 840126 675 | 0.1+  | 0.2-  | 910904 809 | 0.5-  | 0.6+  | 940314 675 | 0.5+ | 0.0  |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 871123 | 675 | 0.1+ | 0.0  | 910904 | 809 | 0.1- | 0.4+ | 950530 | 691 | 0.4+ | 0.0  |
| 871126 | 675 | 1.2+ | 0.1- | 910905 | 809 | 0.3+ | 0.0  | 950530 | 691 | 0.0  | 0.3- |
| 871126 | 675 | 0.8+ | 0.3- | 910905 | 809 | 0.1+ | 0.1- | 950530 | 691 | 0.4+ | 0.5+ |
| 910723 | 809 | 0.4- | 1.2- | 910905 | 809 | 0.1- | 0.1- | 960815 | 566 | 0.4- | 0.4- |
| 910723 | 809 | 0.2- | 1.0- | 910906 | 809 | 1.9+ | 1.0+ | 960815 | 566 | 0.8- | 0.5- |
| 910723 | 809 | 0.0  | 1.1- | 910906 | 809 | 0.6+ | 1.3+ | 960815 | 566 | 0.8- | 0.6- |
| 910724 | 809 | 0.1+ | 0.4- | 910906 | 809 | 0.5+ | 1.5+ | 960817 | 566 | 0.9- | 0.2- |
| 910724 | 809 | 0.4+ | 0.5- | 910907 | 809 | 0.8+ | 1.2- | 960817 | 566 | 1.0- | 0.0  |
| 910805 | 809 | 0.1+ | 0.5- | 910907 | 809 | 0.8+ | 0.3- | 960817 | 566 | 1.1- | 0.1- |
| 910805 | 809 | 0.7+ | 0.1- | 940211 | 675 | 0.9+ | 0.8- | 960818 | 801 | 0.0  | 0.1- |
| 910805 | 809 | 0.6+ | 0.5+ | 940211 | 675 | 0.4- | 0.3+ | 960818 | 801 | 0.2- | 0.0  |
| 910805 | 675 | 0.9- | 0.9- | 940214 | 675 | 0.3- | 0.9- | 960819 | 801 | 0.2- | 0.0  |
| 910805 | 675 | 0.7- | 0.9- | 940214 | 675 | 0.1- | 1.0- | 960929 | 689 | 0.3+ | 0.5+ |
| 910807 | 675 | 0.8- | 1.1- | 940214 | 033 | 1.1- | 0.1- | 960930 | 689 | 0.4+ | 0.2+ |

**(7245)\* 1991 RN<sub>10</sub> = 1991 TS<sub>5</sub> = 1973 YW = 1979 BZ = 1982 UD<sub>10</sub>  
= 1982 VW<sub>9</sub> = 1987 WN<sub>2</sub>**

Discovered 1991 Sept. 10 by H. E. Holt at Palomar.

Id. S. Nakano (d, *MPC* 19822), G. V. Williams (*MPC* 20509)

|                                         |            |          |         |             |             |
|-----------------------------------------|------------|----------|---------|-------------|-------------|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |         | Williams    |             |
| $M$                                     | 43.44538   | (2000.0) |         | <b>P</b>    | <b>Q</b>    |
| $n$                                     | 0.21411061 | $\omega$ | 4.93332 | +0.98885813 | -0.14872723 |
| $a$                                     | 2.7672215  | $\Omega$ | 3.63800 | +0.13295080 | +0.86331303 |
| $e$                                     | 0.1131991  | $i$      | 5.70596 | +0.06696025 | +0.48225597 |
| $P$                                     | 4.60       | $H$      | 12.7    | $G$         | 0.15        |
|                                         |            |          |         | $U$         | 1           |

Residuals in seconds of arc

|        |     |       |       |        |     |       |       |        |     |       |       |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|-------|-------|
| 731220 | 095 | (0.3+ | 3.2+) | 911003 | 046 | 0.9+  | 0.7+  | 940504 | 691 | 0.6-  | 0.6-  |
| 790124 | 095 | 0.5+  | 0.0   | 911003 | 046 | 1.1+  | 0.6-  | 940504 | 691 | 0.5-  | 0.5-  |
| 821022 | 095 | 0.9+  | 0.8-  | 911003 | 033 | 0.2-  | 0.9+  | 940504 | 691 | 0.2-  | 0.6-  |
| 821111 | 095 | 1.5-  | 0.8-  | 911004 | 033 | 0.4+  | 0.7+  | 960720 | 327 | 0.1-  | 0.3+  |
| 871126 | 033 | 0.2+  | 0.1-  | 911004 | 046 | (0.8+ | 2.8-) | 960720 | 327 | 0.1+  | 0.3+  |
| 871126 | 033 | 0.5+  | 0.6-  | 911004 | 046 | (0.2+ | 2.6-) | 960720 | 327 | 0.2-  | 0.1+  |
| 910910 | 675 | 0.9+  | 0.2+  | 911004 | 033 | 0.5+  | 0.2+  | 960922 | 327 | 0.2+  | 0.5-  |
| 910910 | 675 | 0.6+  | 0.4-  | 911009 | 691 | 0.0   | 0.0   | 960922 | 327 | 0.4+  | 0.4-  |
| 910914 | 095 | (2.7- | 1.5+) | 911009 | 691 | 0.5-  | 0.2+  | 960922 | 327 | 0.2+  | 0.6-  |
| 910914 | 095 | 1.0-  | 1.5-  | 911009 | 691 | 0.3-  | 0.2+  | 960922 | 327 | 0.3+  | 0.3+  |
| 910916 | 675 | (1.4- | 2.9-) | 911105 | 095 | 0.9-  | 0.2+  | 960929 | 689 | 0.2-  | 0.5+  |
| 910916 | 675 | 0.8+  | 0.3-  | 920102 | 691 | 0.4-  | 0.1-  | 960930 | 689 | (0.6- | 2.1+) |
| 910916 | 095 | 0.9-  | 1.7-  | 920102 | 691 | 0.5-  | 0.1+  | 961012 | 689 | 1.0-  | 0.1+  |
| 910916 | 095 | 0.7-  | 0.6+  | 920102 | 691 | 1.9+  | 0.2-  | 961013 | 689 | 0.9-  | 0.7+  |

**(7246)\* 1991 RP<sub>25</sub> = 1988 FO<sub>3</sub> = 1990 JP**

Discovered 1991 Sept. 12 by H. E. Holt at Palomar.

Id. S. Nakano (*MPC* 20931)

|                                         |            |          |          |              |              |        |   |
|-----------------------------------------|------------|----------|----------|--------------|--------------|--------|---|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |          |              |              | Nakano |   |
| $M$                                     | 290.30408  | (2000.0) |          | $\mathbf{P}$ | $\mathbf{Q}$ |        |   |
| $n$                                     | 0.18187825 | $\omega$ | 39.78227 | +0.19751341  | -0.97135408  |        |   |
| $a$                                     | 3.0851920  | $\Omega$ | 39.34635 | +0.83800007  | +0.09735995  |        |   |
| $e$                                     | 0.1653241  | $i$      | 12.02936 | +0.50866919  | +0.21677706  |        |   |
| $P$                                     | 5.42       | $H$      | 12.4     | $G$          | 0.15         | $U$    | 1 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 500317 | 675 | 1.0- | 0.1+ | 910912 | 675 | 1.0+ | 0.6- | 921227 | 801 | 0.7+ | 0.2- |
| 500317 | 675 | 1.5+ | 0.8+ | 910912 | 675 | 0.4- | 0.4- | 930121 | 801 | 0.1- | 0.1+ |

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 880317 | 399 | 1.2−  | 0.2+  | 910913 | 675 | 0.2− | 0.5+ | 930121 | 801 | 0.0  | 0.2+ |
| 880317 | 399 | (2.2− | 0.1−) | 910913 | 675 | 0.2+ | 0.6+ | 930126 | 801 | 0.8− | 0.7+ |
| 880317 | 399 | 0.6−  | 1.1−  | 910915 | 675 | 0.3− | 0.6− | 930126 | 801 | 0.5− | 0.6+ |
| 880321 | 399 | 0.8+  | 0.0   | 910915 | 675 | 0.6+ | 0.4+ | 960901 | 689 | 0.2+ | 0.5+ |
| 880321 | 399 | 0.9+  | 1.8−  | 910916 | 675 | 0.4− | 0.5− | 960929 | 689 | 0.1− | 1.3+ |
| 880321 | 399 | (2.1+ | 2.4−) | 910916 | 675 | 0.6+ | 0.4− | 961012 | 689 | 0.2+ | 0.9− |
| 900503 | 413 | 1.4−  | 0.3−  | 921221 | 801 | 0.2− | 0.4− |        |     |      |      |
| 900504 | 413 | (3.6− | 0.6−) | 921227 | 801 | 0.3+ | 0.2+ |        |     |      |      |

**(7247)\* 1991 TD<sub>1</sub> = 1975 TQ<sub>2</sub> = 1990 FS<sub>4</sub>**

Discovered 1991 Oct. 12 by R. H. McNaught at Siding Spring.

Id. G. V. Williams (*MPC* 19508)

|                                         |            |          |           |             |             |          |   |
|-----------------------------------------|------------|----------|-----------|-------------|-------------|----------|---|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 |            |          |           |             | Williams    |          |   |
| <i>M</i>                                | 336.47522  | (2000.0) |           | <b>P</b>    | <b>Q</b>    |          |   |
| <i>n</i>                                | 0.37130262 | $\omega$ | 193.81741 | +0.91162183 | −0.40432423 |          |   |
| <i>a</i>                                | 1.9171262  | $\Omega$ | 190.94639 | +0.40432601 | +0.91448162 |          |   |
| <i>e</i>                                | 0.1181178  | <i>i</i> | 22.91702  | +0.07393317 | −0.01566157 |          |   |
| <i>P</i>                                | 2.65       | <i>H</i> | 14.5      | <i>G</i>    | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|        |     |              |        |        |             |        |        |        |     |      |      |
|--------|-----|--------------|--------|--------|-------------|--------|--------|--------|-----|------|------|
| 751003 | 095 | 1.3-         | 0.5+   | 911013 | 413         | 0.5-   | 0.7-   | 911221 | 413 | 1.2+ | 0.4- |
| 751006 | 413 | (0.8- 3.4-)  | 911014 | 675    | (0.6+ 2.3+) | 930522 | 801    | 0.3-   | 0.0 |      |      |
| 751006 | 413 | 1.4+         | 2.3-   | 911015 | 413         | 0.2+   | 0.1+   | 930522 | 801 | 0.2- | 0.1+ |
| 751013 | 095 | (1.1+ 22.4+) | 911018 | 413    | 0.3-        | 0.4+   | 930526 | 801    | 0.0 | 0.3- |      |
| 781219 | 413 | 0.3-         | 0.5-   | 911102 | 413         | 0.6-   | 1.7+   | 930526 | 801 | 0.0  | 0.2- |
| 900327 | 675 | 0.2-         | 0.8+   | 911113 | 413         | 0.7-   | 0.0    | 960902 | 689 | 0.5+ | 0.4+ |
| 900327 | 675 | 0.7+         | 0.5+   | 911126 | 413         | 0.6+   | 0.2-   | 960930 | 689 | 0.7+ | 0.0  |
| 911012 | 413 | 0.3+         | 0.2-   | 911127 | 413         | 0.5-   | 0.8-   | 961012 | 689 | 0.6- | 0.1+ |
| 911012 | 413 | 0.0          | 0.9+   | 911127 | 413         | 0.6+   | 0.7+   | 961013 | 689 | 0.8- | 1.0+ |
| 911013 | 675 | 0.3+         | 0.1+   | 911129 | 413         | 0.2-   | 0.2+   |        |     |      |      |
| 911013 | 675 | 0.5-         | 0.3+   | 911221 | 413         | 0.7+   | 0.2+   |        |     |      |      |

**(7248)\* 1992 EV<sub>21</sub> = 1986 LD<sub>1</sub> = 1990 WP<sub>3</sub>**

Discovered 1992 Mar. 1 at the European Southern Observatory in the course of the Uppsala-ESO Survey of Asteroids and Comets.

Id. G. V. Williams (*MPC* 23979)

|                                         |          |           |              |              |  |
|-----------------------------------------|----------|-----------|--------------|--------------|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 | Williams |           |              |              |  |
| $M$ 35.97006                            | (2000.0) |           | $\mathbf{P}$ | $\mathbf{Q}$ |  |
| $n$ 0.30107793                          | $\omega$ | 175.05193 | +0.46123664  | +0.88366254  |  |
| $a$ 2.2047031                           | $\Omega$ | 122.39385 | -0.81727726  | +0.45822255  |  |
| $e$ 0.1757559                           | $i$      | 5.43710   | -0.34542531  | +0.09577372  |  |
| $P$ 3.27                                | $H$ 14.8 | $G$ 0.15  | $U$ 2        |              |  |

Residuals in seconds of arc

|        |     |             |      |        |     |             |      |        |     |      |      |
|--------|-----|-------------|------|--------|-----|-------------|------|--------|-----|------|------|
| 860607 | 675 | 0.3+        | 1.1- | 901114 | 809 | 1.8-        | 1.7- | 920404 | 809 | 0.4- | 0.4- |
| 860607 | 675 | 0.9-        | 0.5- | 901115 | 809 | 0.5+        | 1.6+ | 950129 | 691 | 0.2- | 0.2- |
| 860608 | 675 | (5.5+ 0.9-) |      | 901117 | 809 | 0.6-        | 0.4- | 950129 | 691 | 0.7- | 0.3+ |
| 901111 | 809 | 0.9+        | 0.4+ | 901121 | 809 | (2.0+ 3.4-) |      | 950129 | 691 | 0.3- | 0.0  |
| 901111 | 809 | 1.0+        | 0.8+ | 901122 | 809 | 1.0-        | 0.1- | 960718 | 816 | 0.1+ | 0.2- |
| 901111 | 809 | 0.6+        | 0.8+ | 901123 | 809 | 1.5+        | 1.7- | 960718 | 816 | 0.2+ | 0.2- |
| 901112 | 809 | (1.9+ 3.2-) |      | 901123 | 809 | (1.7+ 2.7-) |      | 960718 | 816 | 0.2+ | 0.2- |
| 901112 | 809 | (3.3+ 2.0-) |      | 901123 | 809 | 1.3+        | 1.8- | 960718 | 816 | 0.1+ | 0.2- |
| 901112 | 809 | (3.0+ 0.9-) |      | 920301 | 809 | 1.6+        | 0.5+ | 960929 | 689 | 0.7- | 0.5+ |
| 901114 | 809 | 0.1-        | 0.2- | 920305 | 809 | 1.0-        | 0.3- |        |     |      |      |
| 901114 | 809 | 1.1-        | 0.3- | 920307 | 809 | 0.5+        | 1.2- |        |     |      |      |

**(7249)\* 1992 SN = 1985 BA**

Discovered 1992 Sept. 26 by A. Sugie at the Dynic Astronomical Observatory.

Id. S. Nakano (*MPC* 21115)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.22781053 | $\omega$ | 77.72321  | +0.89871921 | −0.43183847 |          |   |
| <i>a</i> | 2.6551365  | $\Omega$ | 307.81123 | +0.35538537 | +0.81914238 |          |   |
| <i>e</i> | 0.1748267  | <i>i</i> | 5.54102   | +0.25691441 | +0.37751992 |          |   |
| <i>P</i> | 4.33       | <i>H</i> | 13.4      | <i>G</i>    | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|        |     |             |        |     |             |      |        |     |             |      |
|--------|-----|-------------|--------|-----|-------------|------|--------|-----|-------------|------|
| 850117 | 881 | (0.1+ 3.0−) | 921020 | 095 | 0.6−        | 0.1− | 960721 | 809 | 1.6+        | 1.8+ |
| 850117 | 881 | 0.4+ 0.3−   | 921021 | 372 | (3.1− 0.2+) |      | 960721 | 809 | 0.5+        | 1.5+ |
| 850123 | 881 | 0.7− 1.4+   | 921028 | 095 | (2.3− 1.0+) |      | 960721 | 809 | 0.6+        | 1.6+ |
| 850123 | 881 | 0.1+ 0.3+   | 940215 | 675 | 1.2− 0.8−   |      | 960817 | 566 | 0.7−        | 1.3− |
| 850126 | 881 | 1.6− 0.0    | 940215 | 675 | 0.2− 0.3−   |      | 960817 | 566 | 0.7−        | 1.4− |
| 850126 | 881 | 1.5+ 1.2−   | 940215 | 675 | 1.6− 0.8−   |      | 960817 | 566 | 0.8−        | 1.5− |
| 920926 | 402 | 0.2+ 0.8−   | 940215 | 675 | 0.7+ 0.1−   |      | 960818 | 801 | 0.4−        | 0.6− |
| 920926 | 402 | 0.1− 0.3−   | 940314 | 675 | 0.2− 1.3−   |      | 960818 | 801 | 0.9−        | 1.1− |
| 920927 | 402 | 0.7+ 0.4−   | 940314 | 675 | 1.1+ 0.3−   |      | 960819 | 801 | 0.2−        | 1.2− |
| 920927 | 402 | 0.1− 0.6+   | 960714 | 809 | (3.5+ 1.5+) |      | 960819 | 801 | 0.4−        | 1.0− |
| 920928 | 095 | 1.5− 1.5+   | 960714 | 809 | (4.1+ 0.7+) |      | 960915 | 801 | 1.2+ 1.7−   |      |
| 920928 | 095 | 0.3− 1.9+   | 960714 | 809 | (3.6+ 1.2+) |      | 961016 | 801 | 0.5−        | 0.8− |
| 921002 | 402 | 1.1+ 0.1+   | 960715 | 809 | 0.4+ 0.7+   |      | 961016 | 801 | (0.1+ 2.7−) |      |
| 921002 | 402 | 0.9+ 1.5−   | 960715 | 809 | 1.4+ 1.1+   |      |        |     |             |      |
| 921020 | 372 | (3.6− 0.8−) | 960715 | 809 | 0.5+ 1.1+   |      |        |     |             |      |

**(7250)\* 1992 SG<sub>1</sub> = 1990 ET<sub>7</sub>**

Discovered 1992 Sept. 23 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 21116)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.24017475 | $\omega$ | 218.44033 | +0.92783228 | −0.36505915 |          |   |
| <i>a</i> | 2.5632117  | $\Omega$ | 162.49435 | +0.37284168 | +0.91363967 |          |   |
| <i>e</i> | 0.1726660  | <i>i</i> | 14.74219  | −0.01078599 | +0.17886970 |          |   |
| <i>P</i> | 4.10       | <i>H</i> | 13.5      | <i>G</i>    | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|        |     |             |        |     |           |        |     |           |      |
|--------|-----|-------------|--------|-----|-----------|--------|-----|-----------|------|
| 510908 | 675 | 0.3− 0.4−   | 920928 | 400 | 1.4+ 0.7+ | 950528 | 400 | 0.4−      | 0.4− |
| 510908 | 675 | 0.3+ 0.2−   | 921001 | 400 | 0.4− 0.8− | 950528 | 400 | 0.0       | 0.0  |
| 900303 | 809 | 0.2+ 0.1−   | 921001 | 400 | 0.0 0.1+  | 960907 | 399 | 0.4−      | 0.8+ |
| 900303 | 809 | 0.6+ 0.2−   | 940211 | 400 | 1.0+ 1.6+ | 960907 | 399 | 1.2−      | 1.4− |
| 900303 | 809 | 1.0+ 0.1−   | 940211 | 400 | 0.2+ 1.8+ | 960914 | 566 | 0.3−      | 0.0  |
| 900305 | 809 | 0.7− 0.5−   | 940314 | 675 | 0.3+ 1.1− | 960914 | 566 | 0.2−      | 0.0  |
| 900305 | 809 | 0.4− 0.7−   | 940405 | 691 | 1.7− 0.7− | 960914 | 566 | 0.2−      | 0.0  |
| 900305 | 809 | 0.1− 0.9−   | 940405 | 691 | 0.7− 0.9− | 961015 | 801 | 0.7+ 0.8− |      |
| 920923 | 400 | 0.8− 0.4+   | 940405 | 691 | 0.7− 0.3− | 961015 | 801 | 1.7+ 0.9− |      |
| 920923 | 400 | (3.5− 2.7−) | 950527 | 400 | 0.3+ 0.2+ |        |     |           |      |
| 920928 | 400 | 0.0 0.7+    | 950527 | 400 | 0.5+ 0.3+ |        |     |           |      |

**(7251)\* 1992 SF<sub>13</sub> = 1974 HQ<sub>1</sub> = 1982 FY<sub>3</sub>**

Discovered 1992 Sept. 30 by K. Endate and K. Watanabe at Kitami.

Id. K. Ichikawa (*MPC* 22237)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

*M* 282.29538

(2000.0)

Williams

| <i>n</i> |           | $\omega$ |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|-----------|----------|-----------|-------------|-------------|----------|---|
| <i>a</i> | 2.5597322 | $\Omega$ | 194.87085 | +0.93615115 | −0.08643636 |          |   |
| <i>e</i> | 0.0774795 | <i>i</i> | 3.63179   | +0.33772349 | −0.04854809 |          |   |
| <i>P</i> | 4.10      | <i>H</i> | 13.6      | <i>G</i>    | 0.15        | <i>U</i> | 1 |

Residuals in seconds of arc

|        |     |              |        |     |             |        |     |           |  |
|--------|-----|--------------|--------|-----|-------------|--------|-----|-----------|--|
| 740424 | 805 | (4.3− 1.5−)  | 920930 | 400 | (3.9+ 1.4+) | 950608 | 596 | 0.3+ 0.3− |  |
| 740425 | 805 | 1.4− 0.3+    | 920930 | 400 | (2.8+ 0.8+) | 950608 | 596 | 0.3− 0.6− |  |
| 820329 | 809 | (1.1− 9.8−)  | 921001 | 400 | 0.8− 0.3−   | 950608 | 596 | 0.2− 0.5− |  |
| 820329 | 809 | (0.9− 10.1−) | 921001 | 400 | (2.9+ 1.0−) | 960913 | 566 | 0.5+ 0.1− |  |
| 820329 | 809 | (1.1− 10.3−) | 921002 | 400 | 0.1+ 0.1−   | 960913 | 566 | 0.4+ 0.2− |  |
| 820401 | 809 | 0.1+ 0.2+    | 921002 | 400 | 1.3− 1.3−   | 960913 | 566 | 0.5+ 0.0  |  |
| 820401 | 809 | 0.4+ 0.1−    | 940212 | 675 | 0.1− 1.3−   | 960920 | 817 | 0.7− 0.7− |  |
| 820401 | 809 | 1.0+ 0.5−    | 940212 | 675 | 0.2+ 1.2−   | 960920 | 817 | 0.6− 0.9− |  |
| 881007 | 675 | 0.4+ 0.4−    | 940215 | 675 | 0.3+ 1.2−   | 960920 | 817 | 0.3− 0.7− |  |
| 881007 | 675 | 1.2+ 0.6−    | 940612 | 691 | 1.2− 0.6+   | 961004 | 104 | 0.1− 0.6+ |  |
| 920921 | 400 | (3.2+ 2.3−)  | 940612 | 691 | 1.4− 0.2+   | 961004 | 104 | 0.1− 0.6+ |  |
| 920921 | 400 | (3.4+ 2.0−)  | 940612 | 691 | 1.5− 0.2+   | 961004 | 104 | 0.0 0.6+  |  |
| 920923 | 400 | 1.9+ 0.6−    | 950528 | 400 | 0.3+ 0.5−   | 961010 | 801 | 0.1− 0.0  |  |
| 920923 | 400 | (2.5+ 2.9−)  | 950528 | 400 | 0.7+ 0.9−   | 961010 | 801 | 0.0 0.4+  |  |

**(7252)\* 1992 UZ = 1994 BV**

Discovered 1992 Oct. 21 by T. Urata at the Nihondaira Observatory.

Id. T. Urata (*MPC* 23124)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

*M* 19.63551

(2000.0)

Williams

| <i>n</i> |           | $\omega$ |          | <b>P</b>    |             | <b>Q</b> |   |
|----------|-----------|----------|----------|-------------|-------------|----------|---|
| <i>a</i> | 2.5949600 | $\Omega$ | 59.99846 | +0.92384331 | +0.32535505 |          |   |
| <i>e</i> | 0.2868197 | <i>i</i> | 13.46400 | −0.33168637 | +0.41754337 |          |   |
| <i>P</i> | 4.18      | <i>H</i> | 13.1     | <i>G</i>    | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|        |     |           |        |     |           |        |     |             |  |
|--------|-----|-----------|--------|-----|-----------|--------|-----|-------------|--|
| 921021 | 385 | 1.6+ 0.5− | 950527 | 385 | 0.5− 0.7− | 960923 | 423 | 0.5+ 0.0    |  |
| 921021 | 385 | 0.6− 1.0− | 960917 | 385 | 0.2+ 0.5− | 960923 | 423 | 0.0 0.2+    |  |
| 921025 | 385 | 0.7+ 0.3+ | 960917 | 385 | 0.2+ 0.7− | 960924 | 423 | 1.2− 0.5−   |  |
| 921025 | 385 | 0.8− 0.7+ | 960917 | 385 | 0.3+ 0.6− | 960924 | 423 | 0.2+ 0.5+   |  |
| 921027 | 885 | 0.3+ 0.8− | 960922 | 423 | 0.6+ 0.1− | 960924 | 423 | 0.2+ 0.4+   |  |
| 921027 | 885 | 0.2+ 0.1+ | 960922 | 423 | 1.1+ 0.1+ | 960924 | 423 | 1.3− 0.4−   |  |
| 921030 | 885 | 0.9− 0.1+ | 960922 | 423 | 0.5+ 0.5− | 960924 | 423 | 0.6+ 0.5+   |  |
| 921030 | 885 | 1.6+ 0.0  | 960922 | 423 | 0.3+ 0.3− | 960924 | 423 | 0.2+ 0.7+   |  |
| 921118 | 385 | 1.7− 0.1− | 960922 | 423 | 0.4+ 0.1+ | 960924 | 423 | (2.3− 0.2+) |  |
| 921118 | 385 | 0.7+ 1.2+ | 960922 | 423 | 1.1+ 0.2+ | 961005 | 367 | 0.5− 0.6+   |  |
| 921123 | 385 | 0.2− 0.0  | 960922 | 423 | 0.9+ 0.1+ | 961005 | 367 | 0.3− 0.5+   |  |
| 921123 | 385 | 0.8− 0.4− | 960922 | 423 | 0.8+ 0.7− | 961014 | 367 | 0.7− 0.1+   |  |
| 921214 | 385 | 0.2− 0.1− | 960922 | 423 | 0.0 0.4−  | 961014 | 367 | 0.6− 0.1+   |  |
| 921214 | 385 | 0.4+ 0.5− | 960922 | 423 | 0.0 0.8−  | 961015 | 423 | 0.2− 0.3−   |  |
| 940116 | 385 | 0.9− 0.3− | 960922 | 423 | 0.3− 0.6− | 961015 | 423 | 0.2− 0.3+   |  |
| 940116 | 385 | 0.3− 0.4− | 960922 | 423 | 0.5+ 0.1− | 961015 | 423 | 0.4− 0.1−   |  |
| 940119 | 385 | 0.3− 0.9− | 960922 | 423 | 0.0 0.2+  | 961015 | 385 | 1.1− 0.2−   |  |
| 940119 | 385 | 0.7− 0.2+ | 960922 | 423 | 0.7− 0.5− | 961015 | 385 | 1.9− 0.2−   |  |
| 940119 | 385 | 0.0 0.0   | 960922 | 423 | 0.8+ 0.0  | 961015 | 423 | 0.4− 0.2−   |  |
| 940207 | 385 | 0.0 0.5+  | 960923 | 423 | 0.3+ 0.6+ | 961015 | 385 | 1.0− 0.2+   |  |
| 940207 | 385 | 1.0+ 0.2− | 960923 | 423 | 0.6+ 0.5+ | 961015 | 423 | 0.3− 0.3−   |  |

940207 385 0.8+ 0.1+ 960923 423 0.4+ 0.8+ 961015 423 0.2- 0.1+  
 950527 385 0.1- 0.2- 960923 423 0.3+ 0.4+

**(7253)\* 1993 CL = 1951 WL<sub>2</sub> = 1981 BN = 1987 CO = 3294 T-2**

Discovered 1993 Feb. 13 by F. Uto at the Uto Observatory.

Id. K. Kinoshita (*MPC* 23862)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 321.51921  | (2000.0) | <b>P</b>  | <b>Q</b>                 |
|----------|------------|----------|-----------|--------------------------|
| <i>n</i> | 0.17345172 | $\omega$ | 344.98625 | +0.37113711 -0.92501846  |
| <i>a</i> | 3.1843220  | $\Omega$ | 83.17478  | +0.86016173 +0.30951901  |
| <i>e</i> | 0.0376503  | <i>i</i> | 4.69252   | +0.34982717 +0.22031529  |
| <i>P</i> | 5.68       | <i>H</i> | 11.5      | <i>G</i> 0.15 <i>U</i> 1 |

Residuals in seconds of arc

|        |     |       |       |   |        |     |       |       |        |     |       |       |
|--------|-----|-------|-------|---|--------|-----|-------|-------|--------|-----|-------|-------|
| 511129 | 711 | 1.5-  | 1.3+  | Y | 870202 | 046 | 0.2+  | 1.6-  | 930317 | 365 | 0.6-  | 0.7-  |
| 730929 | 675 | 1.6+  | 0.1+  |   | 870202 | 046 | 0.1-  | 0.5-  | 930317 | 365 | (0.8- | 3.3-) |
| 730929 | 675 | 0.9+  | 0.2-  |   | 870203 | 046 | (0.6+ | 2.9+) | 930322 | 808 | (2.9- | 0.9+) |
| 730930 | 675 | 1.7-  | 0.1-  |   | 870203 | 046 | (7.2- | 0.3+) | 930322 | 808 | 2.0-  | 0.0   |
| 730930 | 675 | 1.3-  | 0.1+  |   | 930213 | 365 | 1.2-  | 0.6+  | 950801 | 365 | 0.2+  | 0.4+  |
| 731004 | 675 | (0.7- | 3.1+) |   | 930213 | 885 | 0.2+  | 0.1-  | 950801 | 365 | 0.5+  | 0.7+  |
| 731004 | 675 | 0.6-  | 1.3+  |   | 930213 | 885 | 0.1-  | 0.8+  | 950818 | 365 | 0.0   | 0.2-  |
| 731005 | 675 | (4.7+ | 0.7+) |   | 930213 | 365 | (2.8- | 2.4+) | 950818 | 365 | 1.5+  | 1.3-  |
| 731005 | 675 | (4.3+ | 0.7-) |   | 930214 | 365 | (6.7- | 3.5+) | 950901 | 365 | 0.6+  | 0.2-  |
| 810130 | 688 | (4.6+ | 1.1-) |   | 930214 | 365 | (8.3- | 6.4+) | 950901 | 365 | 0.7+  | 0.2-  |
| 810130 | 688 | 1.3+  | 1.6-  |   | 930214 | 885 | 0.3+  | 0.9+  | 960915 | 801 | 0.3-  | 1.8-  |
| 870131 | 046 | 2.4+  | 1.0+  |   | 930214 | 885 | 1.2-  | 0.1-  | 960915 | 801 | (0.2- | 2.4-) |
| 870201 | 046 | 2.3+  | 0.7-  |   | 930317 | 808 | 1.0-  | 0.4-  | 961010 | 801 | 0.2-  | 1.4-  |
| 870201 | 046 | 2.0+  | 0.3+  |   | 930317 | 808 | 1.7-  | 0.2-  | 961010 | 801 | 0.5-  | 1.0-  |

**(7254)\* 1993 TN<sub>1</sub> = 1974 TO<sub>1</sub> = 1974 VX<sub>2</sub> = 1977 QQ<sub>1</sub> = 1990 WM<sub>12</sub>**

Discovered 1993 Oct. 15 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 22818), B. G. Marsden (d, *ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 10.31993   | (2000.0) | <b>P</b>  | <b>Q</b>                 |
|----------|------------|----------|-----------|--------------------------|
| <i>n</i> | 0.31113752 | $\omega$ | 237.83488 | +0.99540489 +0.08359913  |
| <i>a</i> | 2.1569221  | $\Omega$ | 117.33205 | -0.06009461 +0.92504037  |
| <i>e</i> | 0.2061352  | <i>i</i> | 3.01295   | -0.07455032 +0.37055566  |
| <i>P</i> | 3.17       | <i>H</i> | 14.7      | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

|        |     |       |       |   |        |     |       |       |        |     |      |      |
|--------|-----|-------|-------|---|--------|-----|-------|-------|--------|-----|------|------|
| 741012 | 808 | 0.5+  | 0.2+  |   | 931011 | 809 | (1.6+ | 3.1+) | 931111 | 400 | 0.7- | 0.5+ |
| 741012 | 808 | 0.8+  | 0.2+  |   | 931011 | 809 | (1.4+ | 3.0+) | 931111 | 400 | 0.7+ | 1.7- |
| 741109 | 808 | 0.3+  | 0.9-  |   | 931011 | 809 | (1.0+ | 3.3+) | 950227 | 691 | 0.5- | 0.5- |
| 741109 | 808 | 0.5+  | 0.7-  |   | 931015 | 400 | 0.6-  | 0.4+  | 950227 | 691 | 0.8- | 0.5- |
| 770819 | 095 | 1.4-  | 0.7-  |   | 931015 | 400 | 0.9+  | 0.5-  | 950227 | 691 | 0.8- | 0.6- |
| 901114 | 675 | (2.7+ | 0.1+) |   | 931016 | 400 | 0.8-  | 1.3+  | 960714 | 809 | 1.8+ | 0.2+ |
| 901123 | 889 | 1.1+  | 1.4+  | Y | 931016 | 400 | 0.6+  | 1.4-  | 960714 | 809 | 1.5+ | 0.3+ |
| 901123 | 889 | 1.0+  | 0.3-  | Y | 931020 | 400 | 0.4+  | 0.4-  | 960714 | 809 | 1.4+ | 0.1+ |
| 931009 | 809 | 0.7-  | 0.1+  |   | 931021 | 809 | (2.6+ | 3.4+) | 961016 | 801 | 0.9- | 0.7- |
| 931009 | 809 | 1.4-  | 0.6+  |   | 931021 | 809 | (1.7+ | 3.0+) | 961016 | 801 | 0.6- | 0.5- |
| 931009 | 809 | 1.7-  | 0.6+  |   | 931021 | 809 | (1.9+ | 2.9+) |        |     |      |      |

**(7255)\* 1993 VY<sub>1</sub> = 1978 GK<sub>2</sub> = 1985 GL = 1995 EZ**

Discovered 1993 Nov. 11 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 25069)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 103.59329  | (2000.0) | <b>P</b>  | <b>Q</b>                 |
|----------|------------|----------|-----------|--------------------------|
| <i>n</i> | 0.28834350 | $\omega$ | 224.99616 | -0.24149039 +0.96904445  |
| <i>a</i> | 2.2691469  | $\Omega$ | 31.13594  | -0.86007238 -0.18923589  |
| <i>e</i> | 0.1394861  | <i>i</i> | 5.69770   | -0.44939725 -0.15856430  |
| <i>P</i> | 3.42       | <i>H</i> | 13.3      | <i>G</i> 0.15 <i>U</i> 1 |

Residuals in seconds of arc

|        |     |       |       |  |        |     |       |       |        |     |      |      |
|--------|-----|-------|-------|--|--------|-----|-------|-------|--------|-----|------|------|
| 780411 | 095 | 2.1+  | 2.3+  |  | 931116 | 399 | 0.6-  | 1.6+  | 961006 | 816 | 0.6- | 0.4+ |
| 850414 | 688 | 0.6-  | 1.8+  |  | 931116 | 399 | 1.6-  | 1.5+  | 961006 | 816 | 0.4- | 0.4+ |
| 850414 | 688 | 0.3+  | 2.0+  |  | 931122 | 399 | (0.2- | 2.6+) | 961006 | 816 | 0.3- | 0.4+ |
| 850515 | 688 | 1.5+  | 0.5+  |  | 931122 | 399 | (0.6+ | 2.9+) | 961006 | 816 | 0.4- | 0.3+ |
| 850515 | 688 | 1.0-  | 0.6+  |  | 950305 | 399 | 1.0+  | 0.1-  | 961007 | 816 | 0.4- | 0.5+ |
| 890731 | 675 | 0.2+  | 0.4-  |  | 950305 | 399 | 0.0   | 0.6-  | 961007 | 816 | 0.8- | 0.4+ |
| 890731 | 675 | 0.6+  | 1.0+  |  | 950306 | 399 | 0.1-  | 0.0   | 961007 | 816 | 0.5- | 0.2+ |
| 890902 | 675 | 1.4+  | 0.8-  |  | 950306 | 399 | 0.7+  | 0.2-  | 961015 | 801 | 0.2+ | 0.1- |
| 890902 | 675 | 0.1+  | 0.2+  |  | 950326 | 399 | 0.7-  | 1.2-  | 961015 | 801 | 0.1+ | 1.1- |
| 931111 | 399 | (3.7+ | 2.2+) |  | 950326 | 399 | 0.3-  | 0.1+  |        |     |      |      |
| 931111 | 399 | (1.2+ | 2.4+) |  | 960915 | 689 | 0.1-  | 2.1+  |        |     |      |      |

**(7256)\* 1993 VJ<sub>5</sub> = 1989 SD<sub>5</sub>**

Discovered 1993 Nov. 11 by F. Börngen at Tautenburg.

Id. G. V. Williams (*MPC* 22962)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 236.58183  | (2000.0) | <b>P</b>  | <b>Q</b>                 |
|----------|------------|----------|-----------|--------------------------|
| <i>n</i> | 0.25003254 | $\omega$ | 341.41648 | +0.08886605 -0.99362738  |
| <i>a</i> | 2.4953896  | $\Omega$ | 103.43978 | +0.92265130 +0.05589256  |
| <i>e</i> | 0.1167917  | <i>i</i> | 4.08797   | +0.37525645 +0.09788078  |
| <i>P</i> | 3.94       | <i>H</i> | 14.6      | <i>G</i> 0.15 <i>U</i> 2 |

Residuals in seconds of arc

|        |     |      |      |  |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--|--------|-----|------|------|--------|-----|------|------|
| 890926 | 809 | 1.5+ | 0.5+ |  | 931018 | 033 | 0.1- | 1.4+ | 960526 | 711 | 0.3+ | 0.8- |
| 890926 | 809 | 1.5+ | 0.9+ |  | 931020 | 809 | 0.2+ | 1.5- | 960526 | 711 | 0.2- | 0.8- |
| 890926 | 809 | 1.4+ | 0.4+ |  | 931020 | 809 | 0.2+ | 1.2- | 960527 | 711 | 0.2+ | 0.6- |
| 890928 | 809 | 1.4+ | 0.6- |  | 931020 | 809 | 0.1- | 1.5- | 960527 | 711 | 0.2+ | 0.9- |
| 890928 | 809 | 0.8+ | 0.9- |  | 931021 | 809 | 0.0  | 0.7- | 960621 | 711 | 1.4+ | 0.2- |
| 890928 | 809 | 0.4+ | 1.3- |  | 931021 | 809 | 0.4+ | 0.1- | 960621 | 711 | 0.1+ | 0.0  |
| 890929 | 675 | 0.8- | 0.5- |  | 931021 | 809 | 0.2+ | 0.8- | 960723 | 711 | 0.5- | 0.2+ |
| 890929 | 675 | 0.3- | 0.1+ |  | 931111 | 033 | 0.8- | 1.5+ | 960723 | 711 | 0.8- | 0.1+ |
| 891003 | 809 | 0.8- | 1.3- |  | 931111 | 033 | 0.3- | 1.0+ | 961012 | 711 | 0.4- | 1.4+ |
| 891003 | 809 | 1.6- | 0.6- |  | 931112 | 033 | 0.2+ | 1.5+ | 961012 | 711 | 0.3- | 0.4+ |
| 891003 | 809 | 1.4- | 1.2- |  | 950329 | 033 | 0.7- | 0.9- | 961013 | 711 | 0.3+ | 1.6+ |
| 931017 | 033 | 0.3- | 1.6+ |  | 950330 | 033 | 0.4- | 1.5- | 961013 | 711 | 0.1- | 0.9+ |

**(7257)\* 1994 AH<sub>1</sub> = 1978 TL<sub>5</sub> = 1989 UJ<sub>9</sub> = 1992 PA<sub>1</sub>**

Discovered 1994 Jan. 7 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 23241)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 320.34829  | (2000.0) | <b>P</b>  | <b>Q</b>                 |
|----------|------------|----------|-----------|--------------------------|
| <i>n</i> | 0.27169001 | $\omega$ | 171.90543 | +0.28810184 -0.95546415  |
| <i>a</i> | 2.3609508  | $\Omega$ | 261.33279 | +0.87491947 +0.28977192  |
| <i>e</i> | 0.1033906  | <i>i</i> | 3.70716   | +0.38924702 +0.05586142  |
| <i>P</i> | 3.63       | <i>H</i> | 13.7      | <i>G</i> 0.15 <i>U</i> 1 |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 781008 095 | 0.7− | 1.0+ | 940107 411 | 0.1− | 0.4− | 940216 411 | 0.0  | 0.0  |
| 891030 095 | 1.3+ | 0.2+ | 940107 411 | 0.0  | 0.5− | 940216 411 | 0.2− | 0.0  |
| 891031 095 | 0.4− | 0.1− | 940108 411 | 0.3− | 0.5− | 940216 411 | 0.2− | 0.7+ |
| 920808 010 | 1.4+ | 0.9+ | 940108 411 | 0.0  | 0.2− | 960922 411 | 0.1− | 1.8+ |
| 920808 010 | 0.7− | 0.6− | 940108 411 | 0.0  | 0.4− | 960922 411 | 0.8+ | 0.3+ |
| 920808 010 | 1.4− | 0.5− | 940114 411 | 0.1− | 0.5+ | 961010 801 | 0.2− | 0.2− |
| 920809 010 | 1.8+ | 0.2+ | 940114 411 | 0.4+ | 0.4+ | 961010 801 | 0.2− | 0.4− |
| 920809 010 | 0.1+ | 0.2+ | 940114 411 | 0.3− | 0.3− | 961015 801 | 0.1− | 0.0  |
| 920809 010 | 0.4− | 1.2− | 940207 411 | 0.3− | 0.1− | 961015 801 | 0.0  | 1.9− |
| 940106 675 | 0.5+ | 0.1− | 940207 411 | 0.0  | 0.2+ | 961016 411 | 0.2− | 0.2− |
| 940106 675 | 0.3+ | 0.7− | 940207 411 | 0.3− | 0.5+ | 961016 411 | 0.4− | 0.0  |

**(7258)\* 1994 EF = 1989 YB<sub>2</sub>**

Discovered 1994 Mar. 5 by A. Vagnozzi at Santa Lucia Stroncone.

Id. G. V. Williams (*MPC* 23530)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 197.36396  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.23463536 | $\omega$ 212.85972 | −0.89579962   | −0.40721797 |
| <i>a</i> | 2.6033970  | $\Omega$ 302.10842 | +0.43949928   | −0.75189724 |
| <i>e</i> | 0.0981192  | <i>i</i> 12.13704  | +0.06620745   | −0.51848246 |
| <i>P</i> | 4.20       | <i>H</i> 14.0      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 891230 413 | 1.7− | 0.4− | 940308 589 | 0.3− | 1.6+ | 950604 589 | 0.2− | 0.7+ |
| 891230 413 | 0.5+ | 0.6− | 940308 589 | 1.4− | 0.6+ | 950618 589 | 0.4+ | 0.2− |
| 891231 413 | 0.9− | 1.5− | 940311 589 | 1.2+ | 0.5+ | 950618 589 | 0.5+ | 0.3− |
| 891231 413 | 0.7+ | 0.1+ | 940311 589 | 0.1− | 0.9+ | 950618 589 | 0.4+ | 0.2+ |
| 940305 589 | 0.1+ | 0.3− | 940311 589 | 0.5− | 0.6− | 960820 589 | 0.1− | 0.4− |
| 940305 589 | 0.2− | 0.1− | 940317 589 | 0.5− | 0.8− | 960820 589 | 0.4− | 0.5+ |
| 940305 589 | 0.1+ | 0.5− | 940317 589 | 0.1− | 0.2+ | 960820 589 | 0.5− | 0.9− |
| 940305 589 | 0.3+ | 0.3+ | 940406 589 | 0.1+ | 0.2+ | 960906 589 | 0.4+ | 0.2− |
| 940306 589 | 0.4− | 0.2+ | 940406 589 | 1.0+ | 0.1− | 960906 589 | 0.3+ | 0.9− |
| 940306 589 | 0.2− | 0.3− | 940406 589 | 0.9+ | 0.1+ | 960914 589 | 1.1+ | 0.3− |
| 940306 589 | 0.4+ | 0.3+ | 940428 589 | 0.6− | 0.8+ | 960914 589 | 0.6+ | 0.5− |
| 940307 589 | 0.5+ | 0.9− | 940428 589 | 1.2− | 0.3− | 961002 589 | 0.1+ | 0.8+ |
| 940307 589 | 1.8+ | 0.9− | 950604 589 | 0.4− | 0.9− | 961002 589 | 0.5− | 0.1− |
| 940307 589 | 0.7− | 0.0  | 950604 589 | 0.1− | 1.4− | 961002 589 | 0.4+ | 0.7− |
| 940307 589 | 0.2− | 0.2− | 950604 589 | 0.6− | 0.3+ | 961002 589 | 0.6− | 0.7+ |

**(7259)\* 1994 EG<sub>1</sub> = 1938 EN = 1951 EE = 1977 EC<sub>4</sub>**

Discovered 1994 Mar. 6 by Y. Shimizu and T. Urata at the Nachi-Katsuura

Observatory.

Id. T. Urata (*MPC* 23530)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 238.09750  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22872794 | $\omega$ 332.38488 | −0.75749369   | −0.65052357 |
| <i>a</i> | 2.6480321  | $\Omega$ 166.59066 | +0.63413547   | −0.75318896 |
| <i>e</i> | 0.1140682  | <i>i</i> 13.71322  | +0.15516289   | −0.09759854 |
| <i>P</i> | 4.31       | <i>H</i> 13.0      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|        |     |        |        |   |        |     |      |      |        |     |      |      |
|--------|-----|--------|--------|---|--------|-----|------|------|--------|-----|------|------|
| 380304 | 024 | (77.0− | 72.1−) | X | 940314 | 675 | 0.3− | 0.2− | 950605 | 385 | 1.1+ | 0.8+ |
| 510306 | 024 | 0.1+   | 1.3−   |   | 940314 | 675 | 0.1+ | 0.0  | 950701 | 801 | 0.1− | 0.9− |
| 770315 | 381 | 0.8−   | 1.3−   |   | 940314 | 905 | 0.2+ | 0.2+ | 950701 | 801 | 0.3− | 0.6− |

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 770315 381 | 0.7− | 1.3− | 940314 905 | 0.8+ | 1.0+ | 960914 385 | 0.3+ | 0.1− |
| 940215 675 | 0.6− | 0.2− | 940403 905 | 0.5− | 0.0  | 960914 385 | 0.3− | 0.3− |
| 940215 675 | 0.6+ | 0.3− | 940403 905 | 0.2− | 0.7− | 960914 385 | 0.5− | 0.3− |
| 940306 905 | 0.8+ | 0.6+ | 950506 385 | 0.2− | 0.6− | 960917 566 | 0.1− | 0.5− |
| 940306 905 | 1.0− | 0.8+ | 950506 385 | 0.7− | 0.0  | 960917 566 | 0.1− | 0.6− |
| 940310 905 | 0.2− | 1.0+ | 950527 385 | 0.7− | 0.1+ | 960917 566 | 0.0  | 0.5− |
| 940310 905 | 0.1+ | 0.1+ | 950527 385 | 0.8− | 0.3+ | 961015 385 | 0.3− | 0.0  |
| 940312 675 | 0.2+ | 0.4− | 950605 385 | 1.1+ | 0.7+ | 961015 385 | 0.8+ | 1.1− |
| 940312 675 | 0.5+ | 1.1− | 950605 385 | 1.1+ | 0.8+ | 961015 385 | 0.4+ | 0.1+ |

**(7260)\* 1994 FN = 1981 RP<sub>5</sub> = 1991 SF**

Discovered 1994 Mar. 18 by A. Vagnozzi at Santa Lucia Stroncone.

Id. G. V. Williams (*MPC* 23345)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 209.53925  | (2000.0)          | <b>P</b>      | <b>Q</b>    |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.20021455 | $\omega$ 98.60317 | −0.90516372   | −0.42305421 |
| <i>a</i> | 2.8938252  | $\Omega$ 56.37895 | +0.36789117   | −0.82835715 |
| <i>e</i> | 0.0120655  | <i>i</i> 2.84125  | +0.21291955   | −0.36721870 |
| <i>P</i> | 4.92       | <i>H</i> 13.1     | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 810901 675 | 0.7+ | 0.2− | 940414 589 | 0.0  | 0.1− | 960914 589 | 0.3+ | 0.4− |
| 810902 675 | 0.7+ | 0.4+ | 940414 589 | 0.1− | 0.4+ | 960914 589 | 0.2− | 0.5− |
| 910917 691 | 1.3− | 0.4+ | 940414 589 | 0.2− | 0.2+ | 960914 589 | 0.1− | 0.6− |
| 910917 691 | 1.8− | 0.5+ | 940427 589 | 0.3+ | 0.3+ | 960914 589 | 0.0  | 0.3− |
| 910917 691 | 1.7− | 0.5+ | 940427 589 | 0.7+ | 0.1− | 960920 589 | 0.3+ | 0.5− |
| 910929 413 | 0.2+ | 0.9+ | 940507 589 | 0.2+ | 0.1+ | 960920 589 | 0.6− | 0.7− |
| 910930 413 | 0.0  | 0.1− | 940507 589 | 0.0  | 0.5+ | 960920 589 | 0.4− | 1.4− |
| 910930 413 | 0.6− | 0.2− | 950625 589 | 0.1+ | 0.8− | 960929 689 | 0.1+ | 0.1− |
| 940318 589 | 0.2− | 0.4− | 950625 589 | 0.2− | 1.6− | 960930 689 | 1.0− | 1.0+ |
| 940318 589 | 0.8− | 0.5− | 950626 589 | 1.6+ | 0.6− | 960930 589 | 1.0+ | 0.4+ |
| 940318 589 | 0.2− | 0.3− | 950626 589 | 0.6− | 1.7+ | 960930 589 | 0.8+ | 0.3+ |
| 940327 589 | 0.9− | 0.5− | 950626 589 | 0.1− | 0.5+ | 960930 589 | 0.7+ | 0.0  |
| 940327 589 | 0.4+ | 0.3+ | 950701 589 | 1.2− | 0.4+ | 961001 589 | 0.7− | 0.5+ |
| 940327 589 | 0.6+ | 0.1+ | 950701 589 | 0.4+ | 0.2+ | 961001 589 | 0.1+ | 0.9+ |
| 940329 589 | 0.4+ | 0.7+ | 960901 689 | 0.3+ | 0.0  | 961001 589 | 0.7+ | 0.1+ |
| 940329 589 | 0.2+ | 0.6+ | 960906 589 | 1.1+ | 0.0  | 961002 589 | 0.7+ | 0.4+ |
| 940329 589 | 0.5+ | 0.1+ | 960906 589 | 0.3+ | 0.2+ | 961002 589 | 0.4+ | 0.7+ |
| 940331 589 | 0.2+ | 0.1+ | 960906 589 | 0.1+ | 0.0  | 961009 589 | 0.8− | 0.7+ |
| 940331 589 | 0.1+ | 1.1+ | 960907 589 | 0.3− | 0.1+ | 961009 589 | 0.1− | 0.2− |
| 940414 589 | 0.1+ | 0.0  | 960907 589 | 0.1+ | 0.2− | 961009 589 | 0.0  | 0.1+ |

**(7261)\* 1994 GZ = 1972 EM = 1987 SP<sub>19</sub> = 1989 EW<sub>6</sub>**

Discovered 1994 Apr. 14 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 23531)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 308.62654  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22888402 | $\omega$ 277.42852 | −0.25921163   | −0.96533585 |
| <i>a</i> | 2.6468281  | $\Omega$ 187.80036 | +0.95097877   | −0.24956824 |
| <i>e</i> | 0.1726264  | <i>i</i> 13.02759  | +0.16866748   | −0.07643546 |
| <i>P</i> | 4.31       | <i>H</i> 12.5      | <i>G</i> 0.15 | <i>U</i> 1  |

Residuals in seconds of arc

|        |     |        |        |        |     |      |      |        |     |      |      |
|--------|-----|--------|--------|--------|-----|------|------|--------|-----|------|------|
| 720314 | 095 | (11.2+ | 13.1−) | 940417 | 411 | 1.1− | 0.2+ | 961012 | 689 | 0.2+ | 0.1+ |
| 870917 | 095 | 0.7+   | 0.6+   | 940417 | 411 | 0.9− | 0.3+ | 961012 | 595 | 0.0  | 0.1− |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 870923 | 095 | 0.7− | 0.8− | 940417 | 411 | 0.2− | 0.1+ | 961012 | 595 | 0.2− | 0.1+ |
| 890305 | 033 | 0.1+ | 0.2− | 940506 | 411 | 0.3+ | 0.8− | 961013 | 689 | 0.3− | 0.0  |
| 890305 | 033 | 0.1− | 0.0  | 940506 | 411 | 0.4+ | 0.2+ | 961015 | 801 | 0.2+ | 0.4+ |
| 940414 | 411 | 0.8+ | 0.4+ | 940506 | 411 | 0.5+ | 0.1+ | 961015 | 801 | 0.2− | 0.6+ |
| 940414 | 411 | 0.1− | 0.1− | 960915 | 801 | 0.3− | 0.3− | 961016 | 411 | 0.1− | 0.1+ |
| 940415 | 411 | 0.3− | 0.1+ | 960915 | 801 | 0.6− | 0.3− | 961016 | 411 | 0.0  | 0.3− |
| 940415 | 411 | 0.6+ | 0.3+ | 960922 | 411 | 0.8+ | 0.4+ |        |     |      |      |
| 940415 | 411 | 0.0  | 0.6− | 960922 | 411 | 0.3+ | 0.4− |        |     |      |      |

**(7262)\* 1995 BX<sub>1</sub> = 1951 KG = 1981 AK<sub>2</sub> = 1989 PG = 1992 GD**

Discovered 1995 Jan. 27 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 24904)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Nakano      |             |          |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
|          |            |          |           | P           |             | Q        |   |
|          |            |          |           | (2000.0)    |             |          |   |
| <i>M</i> | 54.48474   |          |           |             |             |          |   |
| <i>n</i> | 0.28785572 | <i>ω</i> | 168.99734 | +0.35523189 | +0.92253352 |          |   |
| <i>a</i> | 2.2717096  | <i>Ω</i> | 121.65289 | −0.87053049 | +0.38525978 |          |   |
| <i>e</i> | 0.2606054  | <i>i</i> | 10.20432  | −0.34056859 | −0.02251254 |          |   |
| <i>P</i> | 3.42       | <i>H</i> | 12.8      | <i>G</i>    | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 510525 | 760 | 0.3+ | 1.2− | 920405 | 402 | 0.3+ | 0.2− | 950206 | 411 | 0.2+ | 0.3− |
| 510525 | 760 | 0.4+ | 1.4+ | 920405 | 402 | 0.0  | 1.2− | 950206 | 411 | 0.7+ | 0.1− |
| 810108 | 381 | 1.9− | 1.5− | 920407 | 402 | 0.2− | 1.3+ | 960815 | 411 | 0.2+ | 0.9+ |
| 810108 | 381 | 0.5− | 0.3+ | 920407 | 402 | 1.4− | 0.1− | 960815 | 411 | 0.9+ | 1.3+ |
| 890809 | 675 | 1.0− | 0.1+ | 950127 | 411 | 0.5+ | 0.6− | 960922 | 411 | 0.0  | 1.2− |
| 890809 | 675 | 0.6− | 0.3+ | 950127 | 411 | 0.2+ | 0.0  | 960922 | 411 | 1.0− | 0.3− |
| 890811 | 675 | 1.0+ | 1.1− | 950129 | 411 | 1.1+ | 0.4− |        |     |      |      |
| 890811 | 675 | 0.5+ | 1.5− | 950129 | 411 | 0.1+ | 0.2− |        |     |      |      |

**(7263)\* 1995 DP = 1955 QG<sub>1</sub> = 1993 UA<sub>2</sub>**

Discovered 1995 Feb. 21 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 25072)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Nakano      |             |          |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
|          |            |          |           | P           |             | Q        |   |
|          |            |          |           | (2000.0)    |             |          |   |
| <i>M</i> | 101.88761  |          |           |             |             |          |   |
| <i>n</i> | 0.31399123 | <i>ω</i> | 267.22316 | −0.02833533 | +0.99959780 |          |   |
| <i>a</i> | 2.1438334  | <i>Ω</i> | 1.15505   | −0.89265610 | −0.02478005 |          |   |
| <i>e</i> | 0.1048387  | <i>i</i> | 3.30872   | −0.44984686 | −0.01379106 |          |   |
| <i>P</i> | 3.14       | <i>H</i> | 13.9      | <i>G</i>    | 0.15        | <i>U</i> | 1 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 550825 | 760 | 2.3+ | 0.1− | 950222 | 411 | 0.4− | 1.0− | 960907 | 596 | 0.0  | 0.4− |
| 550825 | 760 | 1.1− | 2.3− | 950226 | 411 | 0.3+ | 0.7− | 960911 | 801 | 1.3− | 1.1− |
| 931020 | 691 | 0.5− | 0.2+ | 950226 | 411 | 0.4− | 0.7− | 960915 | 801 | 0.6+ | 0.0  |
| 931020 | 691 | 0.2− | 0.1− | 950227 | 411 | 0.6+ | 1.1+ | 960915 | 801 | 0.2+ | 0.4− |
| 931020 | 691 | 0.2− | 0.1+ | 950227 | 411 | 0.1+ | 0.4+ | 960919 | 824 | 0.7+ | 0.4+ |
| 931021 | 691 | 0.5− | 0.0  | 950306 | 411 | 0.5− | 0.6− | 960919 | 824 | 0.8+ | 0.4+ |
| 931021 | 691 | 0.4+ | 0.5+ | 950306 | 411 | 0.2− | 0.6− | 960919 | 824 | 0.8+ | 0.5+ |
| 931021 | 691 | 0.5− | 0.6+ | 950519 | 658 | 1.1− | 0.5+ | 961010 | 801 | 0.3− | 0.7− |
| 950221 | 411 | 0.6− | 2.0− | 950519 | 658 | 1.1− | 0.3+ | 961010 | 801 | 0.3+ | 0.0  |
| 950221 | 411 | 0.4+ | 1.0− | 960907 | 596 | 1.0− | 0.5− | 961012 | 801 | 1.1+ | 1.0− |
| 950222 | 411 | 0.1− | 0.3− | 960907 | 596 | 0.2+ | 0.4− |        |     |      |      |

**(7264)\* 1995 FK = 1982 UQ<sub>4</sub> = 1992 OV<sub>7</sub>**

Discovered 1995 Mar. 26 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Id. T. Urata (*MPC* 25222), K. Ichikawa (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Nakano      |             |          |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
|          |            |          |           | P           |             | Q        |   |
|          |            |          |           | (2000.0)    |             |          |   |
| <i>M</i> | 125.69921  |          |           |             |             |          |   |
| <i>n</i> | 0.27903651 | <i>ω</i> | 87.42769  | −0.52289306 | +0.85232938 |          |   |
| <i>a</i> | 2.3193272  | <i>Ω</i> | 151.03765 | −0.79068522 | −0.48024674 |          |   |
| <i>e</i> | 0.1699807  | <i>i</i> | 1.28252   | −0.31843324 | −0.20711758 |          |   |
| <i>P</i> | 3.53       | <i>H</i> | 13.9      | <i>G</i>    | 0.15        | <i>U</i> | 1 |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 821020 | 033 | 0.2+ | 0.6− | 950420 | 905 | 0.5−  | 0.1−  | 960920 | 046 | 0.4+ | 0.1− |
| 920721 | 809 | 0.4+ | 0.4+ | 950420 | 905 | (2.3+ | 0.3+) | 960920 | 824 | 0.2+ | 0.0  |
| 920721 | 809 | 0.4+ | 0.5+ | 950420 | 905 | 0.1+  | 0.3−  | 960920 | 824 | 0.2+ | 0.2− |
| 920721 | 809 | 0.8+ | 0.5+ | 960914 | 385 | 0.0   | 0.1+  | 960920 | 824 | 0.3+ | 0.0  |
| 920722 | 809 | 0.8− | 0.7− | 960914 | 385 | 0.3−  | 0.4+  | 960920 | 824 | 0.4+ | 0.4− |
| 920722 | 809 | 0.6− | 0.6− | 960914 | 385 | 0.3−  | 0.4+  | 960921 | 824 | 0.2− | 0.4− |
| 920722 | 809 | 0.2− | 0.3− | 960915 | 566 | 0.2−  | 0.1+  | 960921 | 824 | 0.2− | 0.4− |
| 950326 | 905 | 0.0  | 0.6− | 960915 | 566 | 0.1−  | 0.3−  | 960921 | 824 | 0.6+ | 1.4− |
| 950326 | 905 | 0.8− | 0.1− | 960915 | 566 | 0.0   | 0.1−  | 961005 | 905 | 0.0  | 0.6− |
| 950327 | 905 | 0.2+ | 0.1− | 960919 | 824 | 0.6+  | 0.2+  | 961005 | 905 | 1.4− | 0.4− |
| 950327 | 905 | 1.0− | 0.4+ | 960919 | 824 | 0.3+  | 0.1+  | 961015 | 385 | 0.0  | 0.4+ |
| 950331 | 905 | 0.5+ | 0.3+ | 960919 | 824 | 0.1−  | 0.2−  | 961015 | 385 | 0.6+ | 0.7+ |
| 950331 | 905 | 0.4+ | 1.2− | 960919 | 824 | 0.1+  | 0.4+  | 961015 | 385 | 0.4− | 0.2+ |
| 950404 | 905 | 0.2− | 0.1− | 960920 | 046 | 0.1−  | 0.4−  |        |     |      |      |
| 950404 | 905 | 0.5+ | 0.3− | 960920 | 046 | 0.1+  | 0.1−  |        |     |      |      |

**(7265)\* 2908 T-2 = 1977 UH<sub>5</sub> = 1991 LO<sub>4</sub>**

Discovered 1973 Sept. 30 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. A. Lowe (*MPC* 19329), G. V. Williams (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |             |          |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
|          |            |          |           | P           |             | Q        |   |
|          |            |          |           | (2000.0)    |             |          |   |
| <i>M</i> | 216.82751  |          |           |             |             |          |   |
| <i>n</i> | 0.25872879 | <i>ω</i> | 344.96128 | −0.99963681 | −0.00078673 |          |   |
| <i>a</i> | 2.4391558  | <i>Ω</i> | 195.07106 | +0.00893786 | −0.95267611 |          |   |
| <i>e</i> | 0.0840529  | <i>i</i> | 5.94646   | −0.02542367 | −0.30398619 |          |   |
| <i>P</i> | 3.81       | <i>H</i> | 14.1      | <i>G</i>    | 0.15        | <i>U</i> | 1 |

Residuals in seconds of arc

|        |     |       |       |        |     |       |       |        |     |      |      |
|--------|-----|-------|-------|--------|-----|-------|-------|--------|-----|------|------|
| 730930 | 675 | 1.0+  | 0.4+  | 880912 | 675 | 1.2−  | 1.1−  | 940211 | 675 | 0.3+ | 0.7− |
| 730930 | 675 | 0.2−  | 0.6−  | 880912 | 675 | (1.0− | 3.4−) | 940211 | 675 | 0.2+ | 0.4− |
| 731004 | 675 | 1.2+  | 1.1−  | 880916 | 675 | 0.7−  | 1.2−  | 960918 | 327 | 0.0  | 0.7+ |
| 731004 | 675 | 0.7+  | 0.7+  | 880916 | 675 | 1.1−  | 0.7−  | 960918 | 327 | 0.2− | 0.8+ |
| 731005 | 675 | (4.4+ | 2.1−) | 910606 | 809 | 1.5+  | 0.4+  | 960918 | 327 | 0.3− | 0.1− |
| 731005 | 675 | (3.0+ | 1.9−) | 910606 | 809 | 0.3+  | 0.1+  | 960921 | 327 | 0.1+ | 0.6+ |
| 771018 | 675 | 0.0   | 0.6+  | 910606 | 809 | 0.4−  | 0.0   | 960921 | 327 | 0.1− | 0.3+ |
| 771019 | 675 | 0.8−  | 0.2+  | 910608 | 809 | 1.0−  | 0.9+  | 960921 | 327 | 0.2+ | 0.9+ |
| 811024 | 675 | 1.2−  | 0.5+  | 910608 | 809 | 0.1+  | 0.1+  | 961011 | 566 | 0.1+ | 0.2+ |
| 811025 | 675 | 1.1−  | 0.3+  | 910608 | 809 | 0.6−  | 0.7+  | 961011 | 566 | 0.1+ | 0.3+ |
| 880910 | 675 | (0.9− | 3.1−) | 910608 | 809 | (0.2− | 3.4−) | 961011 | 566 | 0.3+ | 0.3+ |
| 880911 | 675 | 0.9+  | 0.6−  | 910608 | 809 | (0.9− | 4.0−) |        |     |      |      |
| 880911 | 675 | 2.1+  | 0.5−  | 910608 | 809 | (0.1− | 3.9−) |        |     |      |      |

**(7266)\* 4270 T-2 = 1995 KL**

Discovered 1973 Sept. 29 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. G. V. Williams (*MPC* 25337)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 151.73559  | (2000.0) | <b>P</b>  |             | <b>Q</b>    |          |
|----------|------------|----------|-----------|-------------|-------------|----------|
| <i>n</i> | 0.25800927 | $\omega$ | 173.91879 | -0.71012797 | +0.70298813 |          |
| <i>a</i> | 2.4436885  | $\Omega$ | 50.82740  | -0.64807881 | -0.63096272 |          |
| <i>e</i> | 0.1438092  | <i>i</i> | 2.88827   | -0.27515838 | -0.32816724 |          |
| <i>P</i> | 3.82       | <i>H</i> | 14.7      | <i>G</i>    | 0.15        | <i>U</i> |

Residuals in seconds of arc

|            |             |            |           |            |             |
|------------|-------------|------------|-----------|------------|-------------|
| 730919 675 | (0.8+ 2.9+) | 730930 675 | 1.6+ 0.5- | 950528 587 | 0.2+ 0.2+   |
| 730919 675 | 0.7+ 1.4+   | 731004 675 | 1.2- 0.4+ | 950528 587 | 0.3+ 0.3+   |
| 730920 675 | 0.0 0.2-    | 731004 675 | 1.1- 2.2+ | 950606 587 | 0.5+ 0.4-   |
| 730920 675 | 0.2- 1.6+   | 731005 675 | 1.1- 0.6- | 950606 587 | 0.7- 1.0-   |
| 730924 675 | 1.4+ 0.5+   | 731005 675 | 0.7- 0.2- | 950607 587 | 0.3- 0.4-   |
| 730924 675 | 0.4- 1.0+   | 910414 675 | 0.8+ 0.4+ | 950607 587 | 0.3+ 0.1+   |
| 730924 675 | 0.6- 1.2-   | 910414 675 | 0.1+ 0.8+ | 950607 587 | 0.1+ 0.2+   |
| 730924 675 | 1.6- 0.3-   | 910416 675 | 0.6+ 1.1+ | 950625 587 | 1.0- 0.0    |
| 730925 675 | (3.5+ 2.5-) | 910416 675 | 0.1- 0.7+ | 950625 587 | (2.3- 0.6-) |
| 730925 675 | 0.7- 1.7+   | 950523 587 | 0.1+ 0.2+ | 960914 566 | 0.2+ 0.3+   |
| 730925 675 | (2.4+ 3.9-) | 950523 587 | 0.2- 0.5- | 960914 566 | 0.4+ 0.4-   |
| 730925 675 | 1.0+ 1.8+   | 950523 587 | 0.1+ 0.4+ | 960914 566 | 0.4+ 0.2+   |
| 730929 675 | 0.7+ 1.9-   | 950527 587 | 0.1- 0.2- | 961017 566 | 0.4+ 0.6-   |
| 730929 675 | 0.2+ 1.3-   | 950527 587 | 0.1+ 0.2- | 961017 566 | 0.6- 0.6-   |
| 730930 675 | (2.7+ 0.9+) | 950527 587 | 0.0 0.2-  | 961017 566 | 0.0 0.5-    |

**1976 UB<sub>2</sub> = 1986 VL<sub>6</sub>**Id. A. Lowe (*MPC* 13480)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

| <i>M</i> | 122.05700  | (2000.0) | <b>P</b>  |             | <b>Q</b>    |          |
|----------|------------|----------|-----------|-------------|-------------|----------|
| <i>n</i> | 0.19924916 | $\omega$ | 4.30490   | +0.23015950 | +0.97300996 |          |
| <i>a</i> | 2.9031649  | $\Omega$ | 279.00219 | -0.89335385 | +0.20445775 |          |
| <i>e</i> | 0.0399924  | <i>i</i> | 0.96766   | -0.38593459 | +0.10699837 |          |
| <i>P</i> | 4.95       | <i>H</i> | 13.0      | <i>G</i>    | 0.15        | <i>U</i> |

Residuals in seconds of arc

|            |           |            |             |            |           |
|------------|-----------|------------|-------------|------------|-----------|
| 761024 381 | 1.4+ 0.9+ | 861107 046 | (6.6- 0.6+) | 961012 684 | 0.3+ 0.1+ |
| 761024 381 | 0.3- 0.0  | 861107 046 | 1.0+ 1.3+   | 961012 684 | 0.2+ 0.0  |
| 761026 095 | 1.1- 1.1- | 961011 684 | 0.1- 0.3-   | 961012 684 | 0.2+ 0.1- |
| 861106 688 | 0.9- 0.9+ | 961011 684 | 0.2- 0.2-   |            |           |
| 861106 688 | 0.3- 1.4- | 961011 684 | 0.1- 0.3-   |            |           |

**1981 EC<sub>38</sub> = 1996 RK<sub>24</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 3.20255    | (2000.0) | <b>P</b>  |             | <b>Q</b>    |          |
|----------|------------|----------|-----------|-------------|-------------|----------|
| <i>n</i> | 0.28477339 | $\omega$ | 129.34902 | +0.99806121 | -0.05214411 |          |
| <i>a</i> | 2.2880725  | $\Omega$ | 233.66606 | +0.03565683 | +0.92654432 |          |
| <i>e</i> | 0.0983660  | <i>i</i> | 2.41768   | +0.05101374 | +0.37255418 |          |
| <i>P</i> | 3.46       | <i>H</i> | 16.5      | <i>G</i>    | 0.15        | <i>U</i> |

Residuals in seconds of arc

|            |             |            |             |            |           |
|------------|-------------|------------|-------------|------------|-----------|
| 810212 413 | 0.6- 0.2+   | 810315 413 | 0.9+ 0.1+   | 960903 358 | 0.8- 0.4+ |
| 810301 413 | (3.2- 0.3+) | 810502 413 | 0.2- 0.3+   | 960903 358 | 0.2- 0.7+ |
| 810307 413 | (4.9+ 1.5+) | 810503 413 | 0.2+ 1.1-   | 960918 566 | 0.8- 0.2- |
| 810311 413 | 0.7+ 0.6+   | 960902 358 | 1.8+ 0.7-   | 960918 566 | 1.2- 0.2+ |
| 810315 413 | 0.8- 0.4+   | 960902 358 | (3.2+ 0.4-) | 960918 566 | 0.9+ 0.2+ |

**1981 EO<sub>39</sub> = 1996 TG<sub>1</sub>**

Id. B. G. Marsden

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 341.56639  | (2000.0) | <b>P</b>  |             | <b>Q</b>    |          |
|----------|------------|----------|-----------|-------------|-------------|----------|
| <i>n</i> | 0.22291563 | $\omega$ | 222.47078 | +0.92319310 | -0.38412419 |          |
| <i>a</i> | 2.6938642  | $\Omega$ | 160.10762 | +0.36193542 | +0.85772609 |          |
| <i>e</i> | 0.0892127  | <i>i</i> | 2.15106   | +0.12929519 | +0.34169366 |          |
| <i>P</i> | 4.42       | <i>H</i> | 15.0      | <i>G</i>    | 0.15        | <i>U</i> |

Residuals in seconds of arc

|            |             |            |           |            |           |
|------------|-------------|------------|-----------|------------|-----------|
| 810202 413 | 0.4- 1.4-   | 961006 709 | 0.2+ 0.1+ | 961009 709 | 0.2+ 0.2+ |
| 810213 413 | 0.7- 0.3+   | 961006 709 | 0.2+ 0.1+ | 961009 709 | 0.4- 0.2+ |
| 810302 413 | (5.3+ 3.7-) | 961006 709 | 0.2+ 0.1- | 961010 709 | 0.6- 0.1- |
| 810302 413 | (3.7+ 5.0-) | 961006 709 | 0.6+ 0.0  | 961010 709 | 0.6- 0.1- |
| 810307 413 | 0.7+ 1.0-   | 961006 709 | 0.2+ 0.2- | 961010 709 | 0.6- 0.1- |
| 810307 413 | 0.7- 0.2-   | 961007 709 | 0.1- 0.4- | 961010 709 | 0.6- 0.1+ |
| 810311 413 | (3.0- 2.1+) | 961007 709 | 0.0 0.6-  | 961012 709 | 0.3- 0.1+ |
| 960914 691 | 0.1- 0.6-   | 961007 709 | 0.3+ 0.6- | 961012 709 | 0.0 0.1-  |
| 960914 691 | 0.1- 0.1-   | 961007 709 | 0.1+ 0.7- | 961012 709 | 0.4- 0.1- |
| 960914 691 | 0.4- 0.1+   | 961007 709 | 0.4+ 0.6- | 961012 709 | 0.1- 0.0  |
| 961006 709 | 0.0 0.1-    | 961007 709 | 0.1+ 0.3- | 961012 709 | 0.2- 0.3+ |
| 961006 709 | 0.5+ 0.1-   | 961008 709 | 0.1- 0.5+ | 961016 709 | 0.2- 0.0  |
| 961006 709 | 0.5+ 0.2-   | 961008 709 | 0.3- 0.7+ | 961016 709 | 0.3- 0.2- |
| 961006 709 | 0.4+ 0.1-   | 961008 709 | 0.3+ 0.3+ | 961016 709 | 0.2- 0.1- |
| 961006 709 | 0.3+ 0.1-   | 961008 709 | 0.2+ 0.4+ | 961016 709 | 0.6+ 0.1- |
| 961006 709 | 0.3+ 0.2-   | 961008 709 | 0.1+ 0.4+ | 961016 709 | 0.0 0.1-  |
| 961006 709 | 0.4+ 0.2-   | 961008 709 | 0.1- 0.1- | 961016 709 | 0.4- 0.3- |
| 961006 709 | 0.2+ 0.2+   | 961009 709 | 0.3+ 0.2+ |            |           |
| 961006 709 | 0.1+ 0.1+   | 961009 709 | 0.0 0.5+  |            |           |

**1981 EZ<sub>40</sub> = 1996 SU<sub>7</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 355.53016  | (2000.0) | <b>P</b>  |             | <b>Q</b>    |          |
|----------|------------|----------|-----------|-------------|-------------|----------|
| <i>n</i> | 0.28569080 | $\omega$ | 21.97032  | +0.97858557 | -0.20518087 |          |
| <i>a</i> | 2.2831715  | $\Omega$ | 349.82801 | +0.17224939 | +0.86005954 |          |
| <i>e</i> | 0.1777852  | <i>i</i> | 5.34946   | +0.11269616 | +0.46711712 |          |
| <i>P</i> | 3.45       | <i>H</i> | 15.5      | <i>G</i>    | 0.15        | <i>U</i> |

Residuals in seconds of arc

|            |             |            |           |            |           |
|------------|-------------|------------|-----------|------------|-----------|
| 810209 413 | 0.2- 0.4-   | 810311 413 | 1.3+ 0.7- | 960918 327 | 0.1- 0.1- |
| 810302 413 | 1.7- 0.5-   | 810315 413 | 0.4- 0.9+ | 960918 327 | 0.3+ 0.2- |
| 810302 413 | 0.9+ 1.5-   | 810502 413 | 1.7+ 0.4+ | 960921 327 | 0.0 0.1-  |
| 810306 413 | 1.7- 1.2+   | 810503 413 | 0.2- 0.2- | 960921 327 | 0.2- 0.1- |
| 810306 413 | (4.1+ 2.5-) | 960918 327 | 0.2+ 0.4- | 960921 327 | 0.1+ 0.3+ |

**1986 TT<sub>6</sub> = 1986 VP<sub>5</sub> = 1975 VT<sub>5</sub> = 1975 XS<sub>4</sub> = 1991 HY = 1996 RN<sub>26</sub>**Id. F. N. Bowman (d, *MPC* 11723), S. Nakano (d), T. B. Spahr, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 248.20374  | (2000.0) | <b>P</b>  |             | <b>Q</b>    |          |
|----------|------------|----------|-----------|-------------|-------------|----------|
| <i>n</i> | 0.08257611 | $\omega$ | 226.26797 | -0.20086008 | -0.84087850 |          |
| <i>a</i> | 5.2227566  | $\Omega$ | 242.04676 | +0.97933819 | -0.18466672 |          |
| <i>e</i> | 0.0549228  | <i>i</i> | 34.67713  | -0.02349358 | -0.50874507 |          |
| <i>P</i> | 11.94      | <i>H</i> | 9.5       | <i>G</i>    | 0.15        | <i>U</i> |

Residuals in seconds of arc

|            |             |            |           |            |             |
|------------|-------------|------------|-----------|------------|-------------|
| 751103 095 | 1.2+ 2.0+   | 861010 092 | 0.4- 0.5- | 910420 413 | (5.2- 4.0+) |
| 751203 095 | (5.3+ 8.5-) | 861010 092 | 0.2- 0.4- | 960908 693 | 1.1- 0.5+   |
| 861005 092 | 0.5- 0.1+   | 861011 092 | 0.0 0.1+  | 960908 693 | 1.1+ 0.8-   |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 861005 | 092 | 0.7− | 0.1+ | 861012 | 092 | 0.1+ | 0.1+ | 960908 | 693 | 0.9+ | 1.6+ |
| 861009 | 092 | 0.7− | 0.5− | 861105 | 688 | 0.6+ | 1.1+ | 960908 | 693 | 0.2− | 0.6+ |
| 861009 | 092 | 0.1− | 0.6− | 861105 | 688 | 1.5+ | 1.0− | 961007 | 693 | 0.9− | 0.5− |
| 861009 | 092 | 0.8− | 0.5− | 910420 | 413 | 0.1+ | 0.8+ | 961007 | 693 | 0.4− | 0.6+ |

**1987 OT = 1977 DK<sub>11</sub> = 1991 JE<sub>6</sub> = 1992 UM<sub>10</sub> = 1996 QY<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Williams                   |            |          |           | Williams          |             |          |   |
|----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 40.20461 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                   | 0.22027614 | $\omega$ | 120.80302 | +0.40719509       | +0.91316454 |          |   |
| <i>a</i>                   | 2.7153412  | $\Omega$ | 173.15243 | −0.88099664       | +0.39788667 |          |   |
| <i>e</i>                   | 0.2666590  | <i>i</i> | 8.66544   | −0.24090885       | +0.08841228 |          |   |
| <i>P</i>                   | 4.47       | <i>H</i> | 13.0      | <i>G</i>          | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|        |     |      |      |        |     |       |        |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|--------|--------|-----|------|------|
| 770219 | 381 | 0.3+ | 1.1+ | 870829 | 809 | 1.0−  | 1.7+   | 921028 | 400 | 1.1− | 0.4+ |
| 870719 | 675 | 1.3− | 0.1+ | 870829 | 809 | 0.8−  | 1.7+   | 960824 | 399 | 0.2+ | 0.3− |
| 870719 | 675 | 0.5+ | 0.1+ | 870831 | 095 | 1.4+  | 1.6−   | 960824 | 399 | 0.8+ | 0.4+ |
| 870723 | 675 | 0.1− | 0.7− | 910507 | 376 | (8.9+ | 1.7−)Y | 960825 | 399 | 1.1+ | 0.2+ |
| 870723 | 675 | 1.2+ | 0.3+ | 910507 | 376 | (6.5+ | 2.7−)Y | 960825 | 399 | 1.9− | 1.7− |
| 870829 | 809 | 0.4− | 0.4+ | 921028 | 400 | 1.0+  | 0.0    |        |     |      |      |

**1988 CT<sub>4</sub> = 1988 CE<sub>6</sub> = 1980 TA<sub>9</sub> = 1996 SV<sub>6</sub>**

Id. S. Nakano (d, MPC 13035), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Williams                    |            |          |           | Williams          |             |          |   |
|-----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 137.70179 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                    | 0.18803428 | $\omega$ | 62.23542  | −0.16497620       | +0.98493638 |          |   |
| <i>a</i>                    | 3.0174821  | $\Omega$ | 198.48761 | −0.95263700       | −0.17272948 |          |   |
| <i>e</i>                    | 0.0570786  | <i>i</i> | 9.40163   | −0.25547132       | +0.00805349 |          |   |
| <i>P</i>                    | 5.24       | <i>H</i> | 12.5      | <i>G</i>          | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 801013 | 095 | 0.1+ | 0.3− | 880216 | 809 | 0.4+ | 0.0  | 960921 | 327 | 0.4− | 0.3+ |
| 880213 | 809 | 0.3+ | 0.5+ | 880221 | 809 | 0.2− | 0.3− | 960921 | 327 | 0.0  | 0.1+ |
| 880215 | 809 | 0.8+ | 0.3+ | 880221 | 809 | 0.3+ | 0.1+ | 960921 | 327 | 0.1− | 0.4− |
| 880215 | 809 | 0.2+ | 0.8− | 880221 | 809 | 0.1− | 0.0  | 960923 | 327 | 0.2+ | 0.2− |
| 880215 | 809 | 0.2− | 0.1− | 880223 | 809 | 0.6− | 0.0  | 960923 | 327 | 0.1+ | 0.2+ |
| 880216 | 809 | 0.3+ | 0.7+ | 880223 | 809 | 0.8− | 0.2+ | 960923 | 327 | 0.0  | 0.1+ |
| 880216 | 809 | 0.6+ | 0.0  | 880223 | 809 | 1.0− | 0.7− | 960923 | 327 | 0.3+ | 0.1+ |

**1988 CV<sub>4</sub> = 1996 RS<sub>23</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Marsden                    |            |          |           | Marsden           |             |          |   |
|----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 23.08339 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                   | 0.17451921 | $\omega$ | 145.76388 | +0.84670519       | +0.53192528 |          |   |
| <i>a</i>                   | 3.1713235  | $\Omega$ | 182.20896 | −0.53070505       | +0.84270770 |          |   |
| <i>e</i>                   | 0.1738270  | <i>i</i> | 18.25742  | −0.03797976       | +0.08306157 |          |   |
| <i>P</i>                   | 5.65       | <i>H</i> | 13.0      | <i>G</i>          | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 880213 | 809 | 0.7+ | 1.5− | 880223 | 809 | 0.2− | 1.1− | 961003 | 046 | 0.1− | 0.4+ |
| 880215 | 809 | 1.3+ | 0.8+ | 880223 | 809 | 0.5− | 0.9− | 961003 | 046 | 0.4− | 0.4+ |
| 880216 | 809 | 0.4+ | 0.2+ | 960905 | 693 | 0.7+ | 0.7− | 961003 | 046 | 0.1− | 0.2+ |
| 880216 | 809 | 0.5+ | 0.3+ | 960905 | 693 | 0.9− | 0.8+ | 961011 | 046 | 0.2+ | 0.2− |
| 880216 | 809 | 0.0  | 0.2+ | 960906 | 693 | 0.1+ | 0.3− | 961011 | 046 | 0.6+ | 0.2− |
| 880221 | 809 | 0.2− | 0.5+ | 960906 | 693 | 0.6− | 0.6− | 961011 | 046 | 0.3+ | 0.3− |
| 880221 | 809 | 1.0− | 1.3+ | 961003 | 046 | 0.0  | 0.2+ | 961011 | 046 | 0.1+ | 0.3− |
| 880221 | 809 | 0.7− | 0.9+ | 961003 | 046 | 0.1+ | 0.2+ | 961011 | 046 | 0.0  | 0.0  |
| 880223 | 809 | 0.4− | 0.9− | 961003 | 046 | 0.1+ | 0.3+ |        |     |      |      |

**1988 VC<sub>1</sub> = 1996 RM<sub>21</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Williams                    |            |          |           | Williams          |             |          |   |
|-----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 284.67829 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                    | 0.23067915 | $\omega$ | 173.11479 | +0.15406310       | −0.96706868 |          |   |
| <i>a</i>                    | 2.6330786  | $\Omega$ | 267.87847 | +0.89658669       | +0.22299171 |          |   |
| <i>e</i>                    | 0.1299483  | <i>i</i> | 11.69659  | +0.41520702       | −0.12269014 |          |   |
| <i>P</i>                    | 4.27       | <i>H</i> | 14.0      | <i>G</i>          | 0.15        | <i>U</i> | 5 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 881103 | 054 | 0.5+ | 1.2− | 881107 | 054 | 1.1− | 0.5− | 960907 | 691 | 0.4+ | 0.2+ |
| 881103 | 054 | 0.2− | 0.4+ | 881109 | 054 | 0.9+ | 0.1+ | 960907 | 691 | 0.4+ | 0.4+ |
| 881104 | 054 | 0.6− | 0.3− | 881113 | 054 | 0.6+ | 0.4+ | 960914 | 691 | 0.5− | 0.3− |
| 881107 | 054 | 0.0  | 1.1+ | 960907 | 691 | 0.2+ | 0.0  | 960914 | 691 | 0.6− | 0.3− |

**1989 GK<sub>1</sub> = 1990 JF = 1996 RB<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Williams                   |            |          |           | Williams          |             |          |   |
|----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 55.57358 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                   | 0.18120153 | $\omega$ | 297.42107 | +0.50818447       | +0.86120267 |          |   |
| <i>a</i>                   | 3.0928687  | $\Omega$ | 3.16418   | −0.72261446       | +0.43195756 |          |   |
| <i>e</i>                   | 0.0738585  | <i>i</i> | 9.23700   | −0.46859032       | +0.26784814 |          |   |
| <i>P</i>                   | 5.44       | <i>H</i> | 13.5      | <i>G</i>          | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 890403 | 809 | 0.4+ | 0.8+ | 890410 | 809 | 0.1+ | 1.4− | 960914 | 566 | 0.4+ | 0.3− |
| 890403 | 809 | 0.6− | 0.3+ | 890410 | 809 | 1.7− | 1.4− | 960914 | 566 | 0.6+ | 0.2− |
| 890403 | 809 | 0.7− | 0.3+ | 900503 | 413 | 0.4+ | 0.3− | 960914 | 566 | 0.4+ | 0.1− |
| 890405 | 809 | 0.3+ | 1.1+ | 900504 | 413 | 0.6− | 1.0+ | 960915 | 566 | 0.1− | 0.0  |
| 890405 | 809 | 0.1− | 0.9+ | 960910 | 566 | 0.0  | 0.6− | 960915 | 566 | 0.2− | 0.0  |
| 890405 | 809 | 0.1− | 0.5+ | 960910 | 566 | 0.0  | 0.4− | 960915 | 566 | 0.4− | 0.1+ |
| 890408 | 809 | 1.0+ | 0.6+ | 960910 | 566 | 0.4+ | 0.6− | 961008 | 566 | 0.4+ | 0.3+ |
| 890408 | 809 | 0.4+ | 0.3− | 960911 | 566 | 0.1+ | 0.3+ | 961008 | 566 | 0.2− | 0.2+ |
| 890408 | 809 | 0.6+ | 0.8− | 960911 | 566 | 0.2− | 0.0  | 961008 | 566 | 0.3− | 0.2+ |
| 890410 | 809 | 0.1+ | 1.1− | 960911 | 566 | 0.6− | 0.7+ |        |     |      |      |

**1989 RV<sub>2</sub> = 1996 TH<sub>12</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Urata                      |            |          |           | Urata             |             |          |   |
|----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 36.98993 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                   | 0.28812912 | $\omega$ | 305.13397 | +0.98174136       | +0.17737961 |          |   |
| <i>a</i>                   | 2.2702723  | $\Omega$ | 44.76141  | −0.12668627       | +0.87912662 |          |   |
| <i>e</i>                   | 0.1832940  | <i>i</i> | 5.59930   | −0.14189607       | +0.44234924 |          |   |
| <i>P</i>                   | 3.42       | <i>H</i> | 14.0      | <i>G</i>          | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 890907 | 046 | 2.0+ | 0.7+ | 891007 | 809 | 0.0  | 0.5− | 961015 | 905 | 1.6− | 0.6− |
| 890908 | 046 | 0.9− | 0.8− | 891007 | 809 | 0.5+ | 0.5− | 961015 | 905 | 1.1+ | 1.5+ |
| 890908 | 046 | 1.7− | 2.1− | 891008 | 809 | 0.3− | 0.4+ | 961017 | 385 | 0.1+ | 1.0− |
| 890909 | 046 | 0.2+ | 2.4+ | 891008 | 809 | 0.1+ | 0.4+ | 961017 | 385 | 0.4+ | 0.0  |
| 891007 | 809 | 0.3− | 0.6− | 891008 | 809 | 0.4+ | 0.5+ | 961017 | 385 | 0.1+ | 0.3+ |

**1990 OH<sub>1</sub> = 1996 RM<sub>26</sub>**

Id. T. B. Spahr

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| Williams                   |            |          |           | Williams          |             |          |   |
|----------------------------|------------|----------|-----------|-------------------|-------------|----------|---|
| <i>M</i> 48.30987 (2000.0) |            |          |           | <i>P</i> <i>Q</i> |             |          |   |
| <i>n</i>                   | 0.17787558 | $\omega$ | 39.85151  | +0.09826883       | +0.91257763 |          |   |
| <i>a</i>                   | 3.1313035  | $\Omega$ | 239.38025 | −0.98941000       | +0.04677994 |          |   |
| <i>e</i>                   | 0.2968908  | <i>i</i> | 27.46656  | −0.10682271       | +0.40621880 |          |   |
| <i>P</i>                   | 5.54       | <i>H</i> | 12.5      | <i>G</i>          | 0.15        | <i>U</i> | 3 |

## M.P.C. 28072

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 900720 | 675 | 0.3+ | 0.7- | 900816 | 675 | 0.7- | 0.8+ | 960908 | 693 | 0.5- | 0.3- |
| 900720 | 675 | 0.2+ | 0.6- | 900816 | 675 | 0.3+ | 0.8+ | 960908 | 693 | 0.6+ | 0.0  |
| 900722 | 675 | 1.4+ | 0.2+ | 900819 | 675 | 0.1+ | 0.7+ | 961008 | 693 | 0.4+ | 0.3- |
| 900722 | 675 | 1.0- | 1.1- | 900819 | 675 | 0.9- | 0.4+ | 961008 | 693 | 0.4- | 0.2+ |

**1990 QM<sub>1</sub> = 1979 WU = 1996 TU<sub>10</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 358.07788  |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.17412739 | $\omega$ | 245.61292 | +0.83906147 |      | -0.54351498 |   |
| <i>a</i> | 3.1760792  | $\Omega$ | 147.29552 | +0.51375348 |      | +0.77719319 |   |
| <i>e</i> | 0.1780054  | <i>i</i> | 2.52661   | +0.17897825 |      | +0.31711545 |   |
| <i>P</i> | 5.66       | <i>H</i> | 13.0      | <i>G</i>    | 0.15 | <i>U</i>    | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 791116 | 095 | 0.6+ | 1.8- | 900827 | 675 | 0.2+ | 2.9- | 900916 | 809 | 0.2+ | 0.4+ |
| 900816 | 809 | 0.0  | 1.0+ | 900827 | 675 | 0.1- | 1.3- | 900919 | 675 | 0.2+ | 2.3- |
| 900816 | 809 | 1.3- | 1.3+ | 900828 | 675 | 0.4+ | 1.5- | 900919 | 675 | 0.8- | 1.5- |
| 900816 | 809 | 0.6- | 1.0+ | 900828 | 675 | 1.2+ | 0.4- | 900925 | 809 | 0.5+ | 0.3+ |
| 900820 | 809 | 0.7- | 1.2+ | 900914 | 809 | 1.0- | 0.4+ | 900925 | 809 | 0.5+ | 0.3+ |
| 900820 | 809 | 1.4- | 1.0+ | 900914 | 809 | 0.5- | 0.5+ | 900925 | 809 | 0.9+ | 0.5+ |
| 900820 | 809 | 1.4- | 1.4+ | 900914 | 809 | 0.0  | 0.5+ | 900926 | 809 | 0.3- | 0.3+ |
| 900822 | 675 | 0.8+ | 0.1+ | 900914 | 675 | 0.4- | 1.6- | 900926 | 809 | 0.3- | 0.1+ |
| 900822 | 675 | 0.5+ | 1.0- | 900914 | 675 | 0.4- | 1.5- | 900926 | 809 | 0.1- | 0.0  |
| 900823 | 675 | 0.0  | 1.1- | 900915 | 809 | 0.6- | 0.1- | 961009 | 399 | 1.1+ | 0.9+ |
| 900823 | 675 | 0.4+ | 2.1- | 900915 | 809 | 0.2- | 0.2+ | 961009 | 399 | 0.1- | 0.2+ |
| 900826 | 809 | 1.8+ | 2.3+ | 900915 | 809 | 0.1+ | 0.0  | 961010 | 399 | 1.0- | 1.1+ |
| 900826 | 809 | 1.2+ | 1.4+ | 900916 | 809 | 0.3- | 0.4+ | 961010 | 399 | 0.9- | 0.5+ |
| 900826 | 809 | 1.7+ | 1.3+ | 900916 | 809 | 0.1+ | 0.7+ |        |     |      |      |

**1990 RW<sub>4</sub> = 1990 QU<sub>18</sub> = 1996 TK<sub>14</sub>**Id. S. Nakano (d, *MPC* 20912), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 84.65194   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.17453069 | $\omega$ | 344.61421 | +0.30504730 |      | +0.95037068 |   |
| <i>a</i> | 3.1711845  | $\Omega$ | 303.11111 | -0.86586424 |      | +0.25003279 |   |
| <i>e</i> | 0.1492526  | <i>i</i> | 4.18795   | -0.39651640 |      | +0.18514634 |   |
| <i>P</i> | 5.65       | <i>H</i> | 11.5      | <i>G</i>    | 0.15 | <i>U</i>    | 5 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 900829 | 095 | 1.4+ | 0.7+ | 900920 | 675 | 0.2- | 0.1+ | 961010 | 399 | 0.4+ | 1.0+ |
| 900829 | 095 | 1.5- | 0.5- | 900920 | 675 | 0.2- | 0.3+ | 961010 | 399 | 1.3- | 0.4- |
| 900915 | 675 | 0.1+ | 0.4- | 961009 | 399 | 1.2+ | 0.5+ |        |     |      |      |
| 900915 | 675 | 0.4+ | 0.1- | 961009 | 399 | 0.4- | 1.1- |        |     |      |      |

**1991 EJ<sub>1</sub> = 1969 AD<sub>1</sub> = 1980 DT<sub>3</sub> = 1992 OF<sub>4</sub>**Id. B. G. Marsden (*MPC* 21576), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 203.07276  |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.27242621 | $\omega$ | 34.57811  | -0.99455087 |      | -0.06770641 |   |
| <i>a</i> | 2.3566954  | $\Omega$ | 141.30100 | +0.04058760 |      | -0.95187781 |   |
| <i>e</i> | 0.0529618  | <i>i</i> | 7.28427   | +0.09602712 |      | -0.29890547 |   |
| <i>P</i> | 3.62       | <i>H</i> | 13.0      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 690115 | 095 | 0.6- | 0.8+ | 920724 | 809 | 1.4+ | 0.4- | 920730 | 809 | 0.8- | 0.6- |
| 800220 | 095 | 0.7+ | 2.6- | 920724 | 809 | 0.4+ | 0.4- | 950524 | 693 | 0.9+ | 1.1+ |

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|        |     |        |       |        |     |      |      |        |     |      |      |
|--------|-----|--------|-------|--------|-----|------|------|--------|-----|------|------|
| 910311 | 400 | (11.2+ | 8.3-) | 920724 | 809 | 0.3- | 0.8- | 950524 | 693 | 0.1- | 0.1+ |
| 910311 | 400 | (8.7+  | 9.4-) | 920726 | 809 | 0.9+ | 0.5+ | 950525 | 693 | 0.7- | 0.1- |
| 910321 | 400 | 0.5+   | 0.9+  | 920726 | 809 | 0.0  | 0.2+ | 950622 | 691 | 0.2+ | 0.4- |
| 910321 | 400 | 0.3-   | 0.8+  | 920726 | 809 | 0.1+ | 0.6+ | 950622 | 691 | 0.1+ | 0.4+ |
| 910414 | 400 | 0.3-   | 1.2-  | 920730 | 809 | 0.2- | 0.3- | 950622 | 691 | 0.1+ | 0.0  |
| 910414 | 400 | 0.8-   | 0.7-  | 920730 | 809 | 1.0- | 0.6- |        |     |      |      |

**1991 GW = 1996 TU<sub>4</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 184.53145  |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.27244940 | $\omega$ | 171.42845 | -0.86604873 |      | +0.49248678 |   |
| <i>a</i> | 2.3565617  | $\Omega$ | 38.46641  | -0.46652083 |      | -0.73410941 |   |
| <i>e</i> | 0.1893529  | <i>i</i> | 7.95767   | -0.17977181 |      | -0.46748278 |   |
| <i>P</i> | 3.62       | <i>H</i> | 15.0      | <i>G</i>    | 0.15 | <i>U</i>    | 5 |

Residuals in seconds of arc

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 910403 | 376 | 0.3+  | 1.8-  | 910416 | 376 | 0.3- | 0.7+ | 961009 | 566 | 0.9- | 0.1- |
| 910403 | 376 | 0.0   | 1.0-  | 910507 | 376 | 0.1- | 0.3- | 961009 | 566 | 0.1- | 0.3- |
| 910411 | 675 | 0.7+  | 1.3+  | 910507 | 376 | 1.1- | 2.0- | 961009 | 566 | 1.4- | 0.1+ |
| 910411 | 675 | 0.7-  | 0.8+  | 961008 | 566 | 1.9+ | 0.1- | 961009 | 566 | 0.1- | 0.1+ |
| 910413 | 675 | 0.7+  | 1.8+  | 961008 | 566 | 1.1+ | 0.4- | 961009 | 566 | 0.7+ | 0.1- |
| 910413 | 675 | (3.7- | 1.3+) | 961008 | 566 | 0.3+ | 0.5- |        |     |      |      |
| 910416 | 376 | 0.2-  | 0.7-  | 961009 | 566 | 0.9- | 0.0  |        |     |      |      |

**1991 GG<sub>10</sub> = 1977 DH = 1977 DH<sub>11</sub>**Id. H. Kaneda (*MPC* 18826)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 304.46821  |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.28647443 | $\omega$ | 345.85997 | -0.20351778 |      | -0.97702030 |   |
| <i>a</i> | 2.2790060  | $\Omega$ | 115.85088 | +0.90498109 |      | -0.21240982 |   |
| <i>e</i> | 0.1444479  | <i>i</i> | 4.03593   | +0.37361709 |      | -0.01770297 |   |
| <i>P</i> | 3.44       | <i>H</i> | 14.5      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |

Residuals in seconds of arc

|        |     |       |       |        |     |      |      |        |     |      |      |
|--------|-----|-------|-------|--------|-----|------|------|--------|-----|------|------|
| 770217 | 801 | (0.6- | 6.7+) | 910411 | 033 | 1.0+ | 0.8- | 940215 | 033 | 0.2- | 0.2- |
| 770222 | 801 | 0.8+  | 2.1+  | 910412 | 033 | 1.0+ | 1.2- | 940216 | 033 | 0.2- | 0.1- |
| 910409 | 033 | 0.7-  | 0.3+  | 910413 | 033 | 0.0  | 0.3- | 961018 | 566 | 0.0  | 0.1- |
| 910409 | 033 | 0.6-  | 0.3+  | 940214 | 033 | 0.1+ | 1.2- | 961018 | 566 | 0.2+ | 0.2- |
| 910411 | 033 | 1.3-  | 0.1-  | 940214 | 033 | 0.2+ | 0.1- | 961018 | 566 | 0.1- | 0.0  |

**1991 LQ = 1995 KN<sub>5</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

|          |            |          |           | Williams    |      |             |   |
|----------|------------|----------|-----------|-------------|------|-------------|---|
| <i>M</i> | 80.99877   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |
| <i>n</i> | 0.23813591 | $\omega$ | 204.23763 | +0.46331973 |      | +0.84656720 |   |
| <i>a</i> | 2.5778212  | $\Omega$ | 94.29800  | -0.76410955 |      | +0.53139187 |   |
| <i>e</i> | 0.1504768  | <i>i</i> | 15.23432  | -0.44885568 |      | -0.03076783 |   |
| <i>P</i> | 4.14       | <i>H</i> | 13.0      | <i>G</i>    | 0.15 | <i>U</i>    | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 910613 | 675 | 0.1+ | 0.3- | 910708 | 675 | 0.1- | 0.6- | 950524 | 693 | 0.8+ | 0.6- |
| 910613 | 675 | 0.4- | 0.7+ | 910708 | 675 | 0.7- | 0.6- | 950524 | 693 | 1.1+ | 0.6+ |
| 910615 | 675 | 0.1+ | 0.0  | 910710 | 675 | 0.8- | 0.2+ | 950525 | 693 | 0.4- | 0.1+ |
| 910615 | 675 | 0.3+ | 0.4- | 910710 | 675 | 1.6+ | 0.9+ | 950525 | 693 | 1.4- | 0.0  |

**1991 PN<sub>8</sub> = 1982 SU<sub>9</sub> = 1996 TM<sub>14</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 4.75321    | (2000.0) | Williams  |               | <i>P</i>    | <i>Q</i> |
|----------|------------|----------|-----------|---------------|-------------|----------|
| <i>n</i> | 0.21421144 | $\omega$ | 212.82159 | +0.88156337   | -0.47205761 |          |
| <i>a</i> | 2.7663531  | $\Omega$ | 175.34379 | +0.44012160   | +0.81977781 |          |
| <i>e</i> | 0.2307609  | <i>i</i> | 1.95117   | +0.17070152   | +0.32423132 |          |
| <i>P</i> | 4.60       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i>    | 4        |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 820921 095 | 0.2-  | 0.6+  | 910807 675 | 0.4+ | 0.8- | 910907 809 | 0.3- | 0.5- |
| 910723 809 | 0.4+  | 0.8+  | 910807 675 | 1.3- | 2.5- | 910907 809 | 1.4- | 0.4- |
| 910723 809 | 0.7+  | 0.5+  | 910904 809 | 0.7+ | 1.1+ | 961009 358 | 0.6+ | 0.8- |
| 910723 809 | 1.1+  | 0.2+  | 910904 809 | 0.5- | 0.6+ | 961009 358 | 0.3- | 0.1+ |
| 910724 809 | (4.6+ | 9.6-) | 910904 809 | 0.8- | 0.4+ | 961010 358 | 0.5- | 0.5- |
| 910724 809 | (4.8+ | 9.5-) | 910906 809 | 1.3+ | 1.4+ | 961010 358 | 0.5+ | 0.2+ |
| 910805 675 | 1.0-  | 2.2-  | 910906 809 | 0.2- | 1.5+ |            |      |      |
| 910805 675 | 0.0   | 1.1-  | 910906 809 | 1.3+ | 1.1+ |            |      |      |

**1991 VC<sub>2</sub> = 1986 XO<sub>4</sub> = 1996 TE<sub>6</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 353.88177  | (2000.0) | Williams  |               | <i>P</i>    | <i>Q</i> |
|----------|------------|----------|-----------|---------------|-------------|----------|
| <i>n</i> | 0.19144972 | $\omega$ | 201.05406 | +0.62955724   | -0.77277026 |          |
| <i>a</i> | 2.9814868  | $\Omega$ | 210.10064 | +0.73381800   | +0.62545476 |          |
| <i>e</i> | 0.0833811  | <i>i</i> | 9.23917   | +0.25528185   | +0.10785395 |          |
| <i>P</i> | 5.15       | <i>H</i> | 12.5      | <i>G</i> 0.15 | <i>U</i>    | 5        |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 861205 010 | 0.3+ | 0.6+ | 911111 399 | 0.0  | 0.7+ | 961003 327 | 0.3- | 0.2+ |
| 861205 010 | 0.0  | 0.3+ | 911113 399 | 0.3+ | 0.7- | 961003 327 | 0.0  | 0.3+ |
| 861205 010 | 0.2- | 0.0  | 911113 399 | 1.0- | 0.0  | 961003 327 | 0.5- | 0.3+ |
| 911109 399 | 0.4+ | 0.1+ | 911205 399 | 0.4- | 1.9- | 961005 327 | 0.1+ | 0.1+ |
| 911109 399 | 2.2+ | 1.0- | 911205 399 | 2.5- | 1.7+ | 961005 327 | 0.3+ | 0.1- |
| 911111 399 | 2.1+ | 0.7- | 911207 399 | 0.4- | 0.1+ | 961005 327 | 0.3+ | 0.0  |

**1992 OX<sub>1</sub> = 1996 QL<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 7.77737    | (2000.0) | Marsden   |               | <i>P</i>    | <i>Q</i> |
|----------|------------|----------|-----------|---------------|-------------|----------|
| <i>n</i> | 0.28667475 | $\omega$ | 268.31644 | +0.69906943   | -0.70915451 |          |
| <i>a</i> | 2.2779442  | $\Omega$ | 136.83500 | +0.69771304   | +0.64842934 |          |
| <i>e</i> | 0.0933743  | <i>i</i> | 7.70011   | +0.15651979   | +0.27683799 |          |
| <i>P</i> | 3.44       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i>    | 4        |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 920724 809 | 0.0  | 0.8+ | 920730 809 | 0.3- | 0.1+ | 960909 104 | 0.4- | 0.4+ |
| 920724 809 | 0.0  | 1.6- | 960824 658 | 0.4- | 0.3+ | 960909 104 | 0.2+ | 0.7+ |
| 920724 809 | 0.9- | 0.7+ | 960824 658 | 0.2- | 0.2+ | 960909 104 | 0.1- | 0.7+ |
| 920726 809 | 0.1+ | 0.5- | 960824 658 | 0.3- | 0.1+ | 960921 696 | 0.2+ | 0.4- |
| 920726 809 | 0.0  | 0.5- | 960825 658 | 0.7+ | 0.2- | 960921 696 | 0.1+ | 0.5- |
| 920726 809 | 0.1+ | 0.2+ | 960825 658 | 0.5+ | 0.1- | 960921 696 | 0.1+ | 0.5- |
| 920730 809 | 1.1+ | 0.6+ | 960825 658 | 0.2+ | 0.3- |            |      |      |
| 920730 809 | 0.2- | 0.2+ | 960909 104 | 0.5- | 0.3- |            |      |      |

**1992 PT = 1996 TE<sub>13</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 36.04123   | (2000.0) | Williams  |               | <i>P</i>    | <i>Q</i> |
|----------|------------|----------|-----------|---------------|-------------|----------|
| <i>n</i> | 0.26212136 | $\omega$ | 124.84362 | +0.91856739   | +0.39519485 |          |
| <i>a</i> | 2.4180639  | $\Omega$ | 211.88011 | -0.36707703   | +0.84595497 |          |
| <i>e</i> | 0.2028544  | <i>i</i> | 0.80439   | -0.14658923   | +0.35802405 |          |
| <i>P</i> | 3.76       | <i>H</i> | 15.5      | <i>G</i> 0.15 | <i>U</i>    | 5        |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 920724 809 | 0.9+ | 1.0+ | 920730 809 | 1.0- | 1.3- | 920808 010 | 1.4- | 0.8- |
| 920724 809 | 0.3+ | 0.2- | 920730 809 | 0.1+ | 0.3- | 920809 010 | 0.0  | 1.3- |
| 920724 809 | 0.7- | 0.6- | 920730 809 | 0.4- | 0.1+ | 920809 010 | 0.2- | 0.7- |
| 920726 809 | 0.6+ | 0.2- | 920730 809 | 1.3- | 0.7+ | 920809 010 | 0.1+ | 0.3+ |
| 920726 809 | 0.4+ | 0.1- | 920804 675 | 1.1+ | 1.1+ | 961014 400 | 0.2+ | 0.6+ |
| 920726 809 | 0.5- | 0.2+ | 920805 675 | 2.0+ | 0.5+ | 961014 400 | 0.7- | 0.6+ |
| 920726 809 | 0.6+ | 1.1+ | 920805 675 | 0.7+ | 0.3+ | 961017 400 | 0.4- | 0.1+ |
| 920726 809 | 0.1+ | 0.8+ | 920807 675 | 1.9+ | 1.1+ | 961017 400 | 0.0  | 0.5- |
| 920726 809 | 0.7- | 1.0+ | 920807 675 | 1.3+ | 1.3+ | 961017 400 | 0.9+ | 0.7- |
| 920730 809 | 0.4- | 1.7- | 920808 010 | 0.3- | 0.8- |            |      |      |
| 920730 809 | 0.5- | 1.8- | 920808 010 | 2.7- | 0.1+ |            |      |      |

**1992 RC<sub>6</sub> = 1996 RO<sub>25</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 45.94438   | (2000.0) | Williams  |               | <i>P</i>    | <i>Q</i> |
|----------|------------|----------|-----------|---------------|-------------|----------|
| <i>n</i> | 0.24290696 | $\omega$ | 183.40335 | +0.53267453   | +0.84574125 |          |
| <i>a</i> | 2.5439549  | $\Omega$ | 118.78524 | -0.77563787   | +0.50264844 |          |
| <i>e</i> | 0.1946166  | <i>i</i> | 2.04652   | -0.33859081   | +0.17907061 |          |
| <i>P</i> | 4.06       | <i>H</i> | 15.0      | <i>G</i> 0.15 | <i>U</i>    | 5        |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 920902 809 | 0.4+ | 0.3- | 920922 809 | 0.3- | 0.1+ | 960912 566 | 0.3- | 0.3- |
| 920902 809 | 0.4+ | 0.6- | 920923 809 | 0.4+ | 0.4- | 960921 691 | 0.1- | 0.9+ |
| 920902 809 | 0.1- | 0.0  | 920923 809 | 0.1+ | 0.6- | 960921 691 | 0.0  | 0.6+ |
| 920903 809 | 0.1- | 0.2- | 920923 809 | 1.1+ | 0.2+ | 960921 691 | 0.1- | 0.7+ |
| 920922 809 | 0.7- | 0.1- | 960912 566 | 0.1+ | 0.2- |            |      |      |
| 920922 809 | 0.6- | 0.6+ | 960912 566 | 0.2- | 0.5- |            |      |      |

**1992 SU<sub>14</sub> = 1996 TP**

Id. G. V. Williams, P. Sicoli

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 297.17557  | (2000.0) | Williams  |               | <i>P</i>    | <i>Q</i> |
|----------|------------|----------|-----------|---------------|-------------|----------|
| <i>n</i> | 0.21916919 | $\omega$ | 80.38738  | +0.26258914   | -0.96457465 |          |
| <i>a</i> | 2.7244764  | $\Omega$ | 354.19961 | +0.75732921   | +0.22230831 |          |
| <i>e</i> | 0.1484475  | <i>i</i> | 14.52769  | +0.59791254   | +0.14203791 |          |
| <i>P</i> | 4.50       | <i>H</i> | 12.5      | <i>G</i> 0.15 | <i>U</i>    | 4        |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 920930 675 | 0.9+  | 0.3+  | 921125 675 | 0.7- | 0.1- | 961002 587 | 0.3+ | 0.5- |
| 920930 675 | 0.4+  | 0.2+  | 921125 675 | 0.6- | 0.6+ | 961004 587 | 0.2- | 0.9+ |
| 921001 675 | 1.3-  | 0.5-  | 921128 675 | 0.2+ | 0.7- | 961004 587 | 0.0  | 0.4- |
| 921001 675 | 0.5+  | 0.6-  | 921128 675 | 0.6- | 1.0- | 961018 587 | 0.5- | 0.3- |
| 921021 896 | 1.2+  | 1.4+  | 961002 587 | 0.1+ | 0.2- | 961018 587 | 0.2+ | 0.6+ |
| 921021 896 | (2.0+ | 2.7+) | 961002 587 | 0.1+ | 0.1- |            |      |      |

**1992 UJ = 1988 VY<sub>13</sub> = 1996 TG<sub>10</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 349.26863  | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.24306263 | $\omega$ | 95.11126  | +0.72900694 | -0.68373586 |          |   |
| <i>a</i> | 2.5428686  | $\Omega$ | 308.02970 | +0.61056092 | +0.67096604 |          |   |
| <i>e</i> | 0.1879029  | <i>i</i> | 2.36234   | +0.30945798 | +0.28689692 |          |   |
| <i>P</i> | 4.05       | <i>H</i> | 14.5      | <i>G</i>    | 0.15        | <i>U</i> | 5 |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 881104 327 | 1.5- | 0.9+ | 921028 399 | 1.7+ | 0.7- | 961010 566 | 0.4+ | 0.8- |
| 881104 327 | 1.1+ | 0.8- | 921028 399 | 0.8+ | 1.2+ | 961010 566 | 0.2- | 0.8- |
| 921019 399 | 0.6+ | 0.2+ | 921213 010 | 0.3- | 1.0- | 961010 566 | 0.1+ | 0.9- |
| 921019 399 | 1.8- | 2.2+ | 921214 010 | 0.3+ | 0.2- | 961010 399 | 1.0- | 1.6+ |
| 921022 399 | 0.2- | 0.5- | 961009 399 | 0.7+ | 0.5- |            |      |      |
| 921022 399 | 0.9- | 0.1- | 961009 399 | 0.2+ | 0.2- |            |      |      |

**1992 WR<sub>2</sub> = 1980 EV<sub>1</sub> = 1984 BS<sub>7</sub> = 1995 MH**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 104.46583  | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.20431184 | $\omega$ | 185.56839 | -0.29525080 | +0.95413332 |          |   |
| <i>a</i> | 2.8550060  | $\Omega$ | 67.26679  | -0.87449327 | -0.24898365 |          |   |
| <i>e</i> | 0.0182269  | <i>i</i> | 3.08048   | -0.38482268 | -0.16624305 |          |   |
| <i>P</i> | 4.82       | <i>H</i> | 12.5      | <i>G</i>    | 0.15        | <i>U</i> | 2 |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 800315 095 | 0.3+  | 1.2-  | 921129 399 | 2.0-  | 0.2+  | 950629 046 | 0.1+ | 0.3+ |
| 840127 046 | (1.1- | 4.8-) | 921129 399 | (3.6- | 0.8+) | 950630 046 | 0.3+ | 0.1- |
| 840127 046 | 1.5-  | 0.9-  | 921215 399 | 1.2-  | 0.6-  | 950630 046 | 0.5+ | 0.7- |
| 921118 399 | 1.3+  | 0.9+  | 921215 399 | 0.9-  | 0.8-  | 950630 046 | 0.2+ | 0.6- |
| 921118 399 | 1.3+  | 1.1+  | 921217 399 | 0.2+  | 1.0-  | 950707 046 | 0.1- | 0.5- |
| 921121 399 | 1.0-  | 0.4+  | 921217 399 | 1.9+  | 0.5+  | 950707 046 | 0.6- | 1.0- |
| 921121 399 | 0.2-  | 0.1-  | 950628 046 | 0.8-  | 1.1-  | 950707 046 | 0.4- | 0.8- |
| 921125 675 | 0.0   | 1.9-  | 950628 046 | 0.7-  | 0.7-  | 960824 399 | 0.1+ | 0.4- |
| 921125 675 | 1.5+  | 0.1+  | 950628 046 | 0.5-  | 0.8-  | 960824 399 | 0.6- | 0.6+ |
| 921125 675 | 0.5+  | 1.6-  | 950628 046 | 1.0-  | 1.2-  | 960825 399 | 0.8- | 0.1- |
| 921125 675 | 2.1+  | 0.6-  | 950629 046 | 0.3+  | 0.6-  | 960825 399 | 0.8+ | 1.7+ |
| 921128 675 | 0.2+  | 1.6-  | 950629 046 | 0.5+  | 0.4-  | 960907 399 | 0.6+ | 0.8- |
| 921128 675 | 0.3-  | 2.5-  | 950629 046 | 0.2+  | 0.2-  | 960907 399 | 0.7- | 1.3- |

**1993 OV = 1991 XF<sub>5</sub>**

Id. T. B. Spahr (1996 observations), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 336.39806  | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.37249332 | $\omega$ | 171.02838 | +0.50557547 | -0.80491782 |          |   |
| <i>a</i> | 1.9130386  | $\Omega$ | 248.04569 | +0.76935903 | +0.58355060 |          |   |
| <i>e</i> | 0.1180992  | <i>i</i> | 19.56855  | +0.39048704 | -0.10759183 |          |   |
| <i>P</i> | 2.65       | <i>H</i> | 14.0      | <i>G</i>    | 0.15        | <i>U</i> | 3 |

Residuals in seconds of arc

|            |       |       |            |       |       |            |      |      |
|------------|-------|-------|------------|-------|-------|------------|------|------|
| 911201 809 | 0.3+  | 0.9-  | 930720 675 | (2.5+ | 1.5+) | 931112 801 | 0.7+ | 1.0+ |
| 911201 809 | 0.5-  | 0.5-  | 930819 675 | 0.4-  | 1.2-  | 961014 693 | 0.0  | 0.0  |
| 911201 809 | 0.8-  | 0.9-  | 930819 675 | 1.8+  | 2.0-  | 961016 693 | 0.6- | 1.2+ |
| 930716 675 | 1.1-  | 0.1+  | 930821 675 | 0.9+  | 0.1-  | 961016 693 | 0.1- | 0.4+ |
| 930716 675 | (1.0+ | 2.1+) | 930821 675 | 0.5-  | 1.9-  |            |      |      |
| 930720 675 | 0.0   | 1.4+  | 931112 801 | 1.6+  | 0.3+  |            |      |      |

**1994 AX<sub>10</sub> = 1996 TZ<sub>4</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 343.32677  | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.27302426 | $\omega$ | 48.56014  | +0.68552525 | -0.72804626 |          |   |
| <i>a</i> | 2.3532526  | $\Omega$ | 358.15946 | +0.64862534 | +0.61195119 |          |   |
| <i>e</i> | 0.1553852  | <i>i</i> | 3.46991   | +0.33066644 | +0.30897312 |          |   |
| <i>P</i> | 3.61       | <i>H</i> | 16.5      | <i>G</i>    | 0.15        | <i>U</i> | 6 |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 940108 691 | 0.2- | 0.4- | 940116 691 | 0.0  | 0.7+ | 961008 817 | 0.4+ | 0.2+ |
| 940108 691 | 0.2- | 0.3- | 940116 691 | 0.1- | 0.5+ | 961010 817 | 0.3- | 1.0- |
| 940108 691 | 0.2- | 0.1- | 940116 691 | 0.3- | 0.2+ | 961010 817 | 0.1- | 0.6+ |
| 940111 691 | 0.7- | 0.4- | 961008 817 | 0.2- | 0.3- | 961010 817 | 0.2+ | 1.0- |
| 940111 691 | 1.4+ | 0.0  | 961008 817 | 0.2+ | 0.6+ |            |      |      |
| 940111 691 | 0.4+ | 0.0  | 961008 817 | 0.2- | 0.9+ |            |      |      |

**1994 BY**

Id. T. Urata (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 286.88034  | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.29695679 | $\omega$ | 108.23218 | -0.80887877 | -0.58559222 |          |   |
| <i>a</i> | 2.2250539  | $\Omega$ | 35.97571  | +0.49970918 | -0.73206314 |          |   |
| <i>e</i> | 0.1102255  | <i>i</i> | 5.16515   | +0.30984814 | -0.34808808 |          |   |
| <i>P</i> | 3.32       | <i>H</i> | 14.0      | <i>G</i>    | 0.15        | <i>U</i> | 5 |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 940121 898 | 0.3+ | 0.5- | 940207 385 | 0.2- | 0.5+ | 961011 385 | 0.4- | 0.5- |
| 940122 898 | 1.1- | 0.2+ | 940207 385 | 0.4- | 0.2+ | 961011 385 | 0.4+ | 0.3- |
| 940122 898 | 1.9+ | 0.2- | 940207 385 | 0.1+ | 0.1- | 961017 385 | 0.4- | 0.7+ |
| 940129 385 | 0.0  | 0.1+ | 940406 675 | 1.4+ | 1.1- | 961017 385 | 0.3- | 0.0  |
| 940129 385 | 0.6- | 0.1+ | 940406 675 | 1.8- | 0.0  | 961017 385 | 0.1+ | 0.2+ |
| 940129 385 | 0.3+ | 0.5+ | 961011 385 | 0.6+ | 0.5- |            |      |      |

**1994 DD = 1984 YB<sub>7</sub> = 1996 RJ<sub>23</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 248.95709  | (2000.0) |           | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.22680097 | $\omega$ | 348.30940 | -0.55746989 | -0.82942574 |          |   |
| <i>a</i> | 2.6630099  | $\Omega$ | 135.55881 | +0.76575062 | -0.53036613 |          |   |
| <i>e</i> | 0.1486351  | <i>i</i> | 2.92923   | +0.32070751 | -0.17539870 |          |   |
| <i>P</i> | 4.35       | <i>H</i> | 13.5      | <i>G</i>    | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|            |       |       |            |      |      |            |       |       |
|------------|-------|-------|------------|------|------|------------|-------|-------|
| 841228 010 | 0.1-  | 1.3-  | 940217 894 | 1.1+ | 1.7- | 940315 894 | (2.9+ | 1.0+) |
| 940207 809 | 2.2+  | 1.4+  | 940218 894 | 0.3- | 0.0  | 960914 691 | 1.1-  | 0.1+  |
| 940207 809 | 1.2+  | 0.4+  | 940218 894 | 0.4- | 0.7+ | 960914 691 | 1.0-  | 0.1-  |
| 940207 809 | 0.7+  | 0.2+  | 940301 894 | 1.1- | 0.2- | 960917 566 | 0.5+  | 0.3+  |
| 940212 809 | 0.1-  | 1.8+  | 940301 894 | 0.6- | 0.1- | 960917 566 | 0.6+  | 0.7+  |
| 940212 809 | 0.5-  | 1.2+  | 940304 894 | 0.5- | 0.0  | 960917 566 | 0.3+  | 0.7+  |
| 940212 809 | 0.7-  | 1.0+  | 940304 894 | 0.0  | 1.2- | 960921 691 | 0.0   | 0.3+  |
| 940215 675 | (0.2+ | 3.5-) | 940310 894 | 1.1+ | 2.1- | 960921 691 | 0.0   | 0.1+  |
| 940215 675 | 0.1-  | 0.1-  | 940310 894 | 0.2+ | 0.0  | 960921 691 | 0.2-  | 0.2+  |
| 940217 894 | 0.8-  | 0.8+  | 940315 894 | 0.3- | 0.6+ |            |       |       |

**1994 EJ<sub>1</sub> = 1987 SO<sub>17</sub>**

Id. K. Ichikawa (MPC 23676)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 314.26496  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.22679926 | $\omega$ 263.49348 | +0.11594534   | -0.99325503 |
| <i>a</i> | 2.6630232  | $\Omega$ 179.83666 | +0.99286352   | +0.11586953 |
| <i>e</i> | 0.0686492  | <i>i</i> 21.82235  | +0.02790539   | +0.00432400 |
| <i>P</i> | 4.35       | <i>H</i> 12.5      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |              |            |           |            |           |
|------------|--------------|------------|-----------|------------|-----------|
| 870916 095 | (0.9+ 11.2-) | 940306 408 | 0.3+ 2.4+ | 961017 693 | 1.1- 0.5+ |
| 870917 095 | 0.8+ 0.5+    | 940306 408 | 0.7- 1.1+ | 961018 693 | 0.8+ 0.9+ |
| 870923 095 | 0.9- 3.1+    | 940314 408 | 0.2- 0.9+ | 961018 693 | 0.6- 0.8+ |
| 940304 400 | 0.1+ 0.8-    | 940314 408 | 0.4+ 2.3+ |            |           |
| 940304 400 | 0.2+ 0.4-    | 961017 693 | 0.9+ 0.3- |            |           |

**1994 FP = 1996 TP<sub>12</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 308.82630  | (2000.0)          | <b>P</b>      | <b>Q</b>    |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.26507821 | $\omega$ 90.84197 | -0.11457313   | -0.99254440 |
| <i>a</i> | 2.4000486  | $\Omega$ 6.21596  | +0.68789097   | -0.10946169 |
| <i>e</i> | 0.2881645  | <i>i</i> 22.58083 | +0.71671404   | -0.05360745 |
| <i>P</i> | 3.72       | <i>H</i> 15.0     | <i>G</i> 0.15 | <i>U</i> 3  |

Residuals in seconds of arc

|            |           |            |           |            |           |
|------------|-----------|------------|-----------|------------|-----------|
| 940313 691 | 0.7- 0.1+ | 940402 413 | 0.4+ 0.1- | 961011 566 | 0.1- 0.1- |
| 940313 691 | 0.7- 0.4+ | 940503 413 | 0.2- 0.6- | 961011 566 | 0.0 0.2-  |
| 940313 691 | 0.7- 0.5+ | 940503 413 | 0.0 0.5-  | 961011 566 | 0.3+ 0.2- |
| 940321 413 | 0.4- 0.6- | 940504 413 | 0.2- 0.7- | 961018 566 | 0.3- 0.2+ |
| 940321 413 | 0.9+ 0.0  | 940504 413 | 0.1- 0.5- | 961018 566 | 0.0 0.2+  |
| 940322 413 | 0.7+ 0.7+ | 940504 413 | 0.3- 0.4- | 961018 566 | 0.1+ 0.1+ |
| 940322 413 | 0.4+ 0.4+ | 940620 413 | 0.7+ 0.7+ |            |           |
| 940402 413 | 0.4+ 0.3- | 940620 413 | 0.3- 1.3+ |            |           |

**1995 CN**

Id. R. H. McNaught (1984, 1989, 1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 205.96111  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.21489910 | $\omega$ 286.62263 | +0.69153913   | -0.71350151 |
| <i>a</i> | 2.7604485  | $\Omega$ 119.06868 | +0.70209906   | +0.62728119 |
| <i>e</i> | 0.0870925  | <i>i</i> 7.40491   | +0.16979559   | +0.31214405 |
| <i>P</i> | 4.59       | <i>H</i> 15.0      | <i>G</i> 0.15 | <i>U</i> 3  |

Residuals in seconds of arc

|            |             |            |           |            |           |
|------------|-------------|------------|-----------|------------|-----------|
| 841115 413 | 0.5+ 1.3-   | 950205 671 | 0.1+ 0.3- | 950321 413 | 0.4- 0.1- |
| 891220 413 | (6.0+ 0.3+) | 950205 671 | 0.2- 0.3- | 950321 413 | 0.7- 0.1+ |
| 950204 671 | 1.9+ 0.4+   | 950223 671 | 0.1+ 0.4+ | 960526 413 | 0.5- 0.3- |
| 950204 671 | 0.4- 0.2-   | 950223 671 | 0.2- 0.5+ | 960526 413 | 0.4- 0.4- |
| 950204 671 | 0.3+ 0.1-   | 950226 671 | 0.4+ 0.2- | 960528 413 | 0.5+ 0.7- |
| 950205 671 | 0.3- 0.2-   | 950226 671 | 1.0- 0.3- |            |           |

**1995 HC = 1996 RH<sub>5</sub>**

Id. T. Urata

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 51.73538   | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29210655 | $\omega$ 134.39876 | +0.69778497   | +0.71630729 |
| <i>a</i> | 2.2496167  | $\Omega$ 179.85067 | -0.66836640   | +0.65113771 |
| <i>e</i> | 0.1746066  | <i>i</i> 2.36419   | -0.25764800   | +0.25084567 |
| <i>P</i> | 3.37       | <i>H</i> 14.5      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |           |            |           |            |           |
|------------|-----------|------------|-----------|------------|-----------|
| 950421 557 | 0.2+ 0.2+ | 950423 557 | 0.6+ 0.6+ | 960918 385 | 0.2- 0.7+ |
| 950421 557 | 0.1+ 0.6+ | 950524 557 | 0.4- 0.4- | 960918 385 | 0.2+ 0.9+ |
| 950422 557 | 0.6+ 0.1+ | 950524 557 | 0.5- 0.5+ | 961005 905 | 0.9- 0.4- |
| 950422 557 | 0.4+ 0.6+ | 960914 905 | 0.2- 0.4+ | 961005 905 | 0.8- 0.4- |
| 950422 557 | 0.6+ 0.4+ | 960914 905 | 0.2+ 0.7+ |            |           |
| 950423 557 | 0.4- 1.1+ | 960918 385 | 0.6+ 0.8+ |            |           |

**1995 JC**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 113.19914  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.23831919 | $\omega$ 209.10296 | -0.24837993   | +0.96701116 |
| <i>a</i> | 2.5764994  | $\Omega$ 46.57878  | -0.87299068   | -0.19817288 |
| <i>e</i> | 0.2337096  | <i>i</i> 4.46472   | -0.41975550   | -0.16005291 |
| <i>P</i> | 4.14       | <i>H</i> 15.0      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |             |            |           |            |           |
|------------|-------------|------------|-----------|------------|-----------|
| 950502 046 | 0.8- 0.8-   | 950523 046 | 0.5- 0.0  | 950713 046 | 0.2- 0.6- |
| 950502 046 | (2.4+ 0.5-) | 950523 046 | 0.3- 0.1- | 950713 046 | 0.1- 0.4- |
| 950503 046 | 0.2+ 0.0    | 950525 046 | 0.0 0.0   | 950716 046 | 0.0 0.5+  |
| 950503 046 | 0.3+ 0.2+   | 950525 046 | 0.5- 0.0  | 950716 046 | 0.1+ 0.5+ |
| 950503 046 | 0.3+ 0.2+   | 950525 046 | 0.5- 0.2+ | 950716 046 | 1.0- 0.3+ |
| 950504 046 | 0.1+ 0.2+   | 950529 046 | 1.0+ 0.3+ | 961013 046 | 0.4+ 0.0  |
| 950505 046 | 0.6+ 0.1+   | 950529 046 | 0.5+ 0.6+ | 961013 046 | 0.6- 0.3+ |
| 950505 046 | 0.2+ 0.1+   | 950529 046 | 1.1- 0.0  | 961013 046 | 0.2- 0.2+ |
| 950505 046 | 0.4+ 0.7+   | 950620 046 | 0.0 0.0   | 961014 046 | 0.3- 0.2+ |
| 950506 046 | 0.1- 0.1+   | 950620 046 | 0.1+ 0.3+ | 961014 046 | 0.2- 0.2+ |
| 950506 046 | 0.6+ 0.1-   | 950620 046 | 1.1+ 0.1+ | 961014 046 | 0.0 0.1-  |
| 950506 046 | 0.7+ 0.3+   | 950627 046 | 0.0 0.1-  | 961014 327 | 0.2- 0.4+ |
| 950515 046 | 0.2- 0.4+   | 950627 046 | 0.0 0.8-  | 961014 327 | 0.1- 0.5+ |
| 950515 046 | 0.5- 0.8+   | 950627 046 | 0.5+ 0.6- | 961014 327 | 0.3+ 0.2+ |
| 950523 046 | 0.3- 0.2-   | 950713 046 | 0.6- 1.5- |            |           |

**1995 JG**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 316.47729  | (2000.0)          | <b>P</b>      | <b>Q</b>    |
|----------|------------|-------------------|---------------|-------------|
| <i>n</i> | 0.35397622 | $\omega$ 49.83256 | +0.11463077   | -0.97009195 |
| <i>a</i> | 1.9791862  | $\Omega$ 35.38815 | +0.76154138   | -0.05249305 |
| <i>e</i> | 0.0527285  | <i>i</i> 21.68306 | +0.63789852   | +0.23699385 |
| <i>P</i> | 2.78       | <i>H</i> 14.5     | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |           |            |           |            |           |
|------------|-----------|------------|-----------|------------|-----------|
| 950505 595 | 0.1+ 0.3+ | 950510 595 | 0.5- 1.2- | 950601 595 | 0.5- 0.4- |
| 950505 595 | 0.2- 0.1+ | 950510 595 | 0.4+ 0.1- | 961012 595 | 0.3+ 0.2- |
| 950505 595 | 0.4+ 0.0  | 950529 595 | 0.3+ 1.0+ | 961012 595 | 0.2- 0.1- |
| 950506 595 | 0.3- 0.4+ | 950529 595 | 0.2+ 0.1- | 961013 595 | 0.2- 0.2+ |
| 950506 595 | 0.0 0.1+  | 950601 595 | 0.1+ 0.1- | 961013 595 | 0.0 0.1+  |

**1995 KH = 1988 CV<sub>5</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 226.03504  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.29936123 | $\omega$ 13.45404  | -0.94523755   | -0.32588302 |
| <i>a</i> | 2.2131237  | $\Omega$ 147.50897 | +0.29625276   | -0.87988577 |
| <i>e</i> | 0.0925246  | <i>i</i> 1.92691   | +0.13696818   | -0.34583420 |
| <i>P</i> | 3.29       | <i>H</i> 16.0      | <i>G</i> 0.15 | <i>U</i> 3  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 880214 809 | 0.9+ | 0.1+ | 950527 046 | 1.3- | 0.3- | 950620 046 | 0.8+ | 0.3- |
| 880214 809 | 0.7- | 0.3- | 950527 046 | 0.1+ | 0.4+ | 950716 046 | 0.3- | 0.6- |
| 880214 809 | 0.3- | 0.2- | 950528 046 | 0.1- | 0.3- | 950716 046 | 0.2- | 1.2+ |
| 950525 046 | 0.2+ | 0.0  | 950528 046 | 0.2- | 0.3+ | 950716 046 | 0.3+ | 1.1- |
| 950525 046 | 0.7+ | 0.5+ | 950528 046 | 0.9- | 0.3- | 960920 046 | 0.9- | 0.4+ |
| 950525 046 | 0.4+ | 0.4+ | 950528 046 | 0.4+ | 0.2+ | 960920 046 | 0.5- | 0.4+ |
| 950525 046 | 0.0  | 0.1+ | 950602 046 | 0.3+ | 0.4- | 960920 046 | 0.6- | 0.4- |
| 950525 046 | 0.4+ | 0.0  | 950602 046 | 0.3+ | 0.0  | 961003 046 | 0.1- | 0.0  |
| 950525 046 | 0.3- | 0.4- | 950602 046 | 0.3- | 0.9- | 961003 046 | 0.0  | 0.1- |
| 950526 046 | 0.9+ | 0.1- | 950603 046 | 0.2- | 0.0  | 961003 046 | 0.1- | 0.0  |
| 950526 046 | 0.2- | 0.8+ | 950603 046 | 0.0  | 0.4+ | 961018 566 | 1.0+ | 0.3- |
| 950526 046 | 0.1+ | 0.2+ | 950603 046 | 0.3- | 0.3- | 961018 566 | 0.9+ | 0.2- |
| 950527 046 | 0.6- | 0.2- | 950620 046 | 0.4- | 0.1+ | 961018 566 | 0.6+ | 0.2- |
| 950527 046 | 0.1- | 0.1- | 950620 046 | 0.5+ | 0.3+ |            |      |      |

**1995 LD = 1996 TO<sub>12</sub>**

Id. A. Vagnozzi

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |             |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 159.19896  |          | (2000.0)  | <b>P</b>    | <b>Q</b>    |
| <i>n</i> | 0.27257214 | $\omega$ | 16.95468  | -0.59245379 | +0.80316501 |
| <i>a</i> | 2.3558542  | $\Omega$ | 216.78211 | -0.75073344 | -0.57863689 |
| <i>e</i> | 0.0708382  | <i>i</i> | 6.00546   | -0.29222904 | -0.14179320 |
| <i>P</i> | 3.62       | <i>H</i> | 15.5      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 4           |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950603 589 | 0.2- | 0.3- | 950619 589 | 0.2- | 0.1- | 950731 589 | 0.1+ | 0.3+ |
| 950603 589 | 0.5- | 0.2- | 950625 589 | 0.1+ | 0.3- | 961012 589 | 0.1+ | 0.8+ |
| 950603 589 | 0.1- | 0.9- | 950625 589 | 0.2+ | 0.5- | 961012 589 | 0.7- | 0.6- |
| 950603 589 | 0.1+ | 0.8- | 950625 589 | 0.2+ | 0.6- | 961012 589 | 0.5+ | 0.0  |
| 950604 589 | 0.1+ | 0.1+ | 950630 589 | 0.4- | 0.8+ | 961012 589 | 1.2- | 0.1+ |
| 950604 589 | 0.1+ | 0.6- | 950630 589 | 0.7- | 0.4+ | 961018 589 | 0.2+ | 0.1+ |
| 950606 589 | 0.7+ | 0.4+ | 950630 589 | 0.6- | 0.2- | 961018 589 | 0.8+ | 0.2- |
| 950606 589 | 0.3+ | 1.2+ | 950715 589 | 0.7- | 0.7+ | 961018 589 | 0.5+ | 0.5- |
| 950619 589 | 0.2- | 0.4+ | 950716 589 | 0.8+ | 0.2- |            |      |      |
| 950619 589 | 0.5+ | 0.4+ | 950731 589 | 0.1+ | 0.0  |            |      |      |

**1995 OX**

Id. A. Nakamura (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

|          |            |          |           |             |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 141.64706  |          | (2000.0)  | <b>P</b>    | <b>Q</b>    |
| <i>n</i> | 0.17757531 | $\omega$ | 299.46825 | -0.66358493 | +0.66850782 |
| <i>a</i> | 3.1348324  | $\Omega$ | 284.80779 | -0.50751670 | -0.73204923 |
| <i>e</i> | 0.3266348  | <i>i</i> | 20.32355  | -0.54961973 | -0.13115341 |
| <i>P</i> | 5.55       | <i>H</i> | 14.4      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 3           |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950727 360 | 0.0  | 0.2- | 950801 360 | 0.1+ | 0.3+ | 950924 360 | 0.1+ | 0.3+ |
| 950727 360 | 0.3- | 0.3+ | 950816 360 | 0.4+ | 0.4+ | 950924 360 | 0.1+ | 0.1- |
| 950727 360 | 0.1- | 0.1- | 950816 360 | 0.2+ | 0.1+ | 961010 360 | 0.6- | 0.2+ |
| 950729 360 | 0.3+ | 0.0  | 950901 360 | 0.1- | 0.6- | 961010 360 | 0.1+ | 0.2+ |
| 950729 360 | 0.2- | 0.0  | 950901 360 | 0.5- | 0.5- | 961010 360 | 0.0  | 0.1+ |
| 950729 360 | 0.3- | 0.2+ | 950901 360 | 0.0  | 0.3- | 961011 360 | 0.5+ | 0.2+ |
| 950731 360 | 0.5+ | 0.0  | 950918 360 | 0.0  | 0.1+ | 961011 360 | 0.0  | 0.3- |

|            |      |      |            |      |      |            |     |      |
|------------|------|------|------------|------|------|------------|-----|------|
| 950731 360 | 0.1- | 0.5- | 950918 360 | 0.0  | 0.5+ | 961011 360 | 0.0 | 0.3- |
| 950801 360 | 0.0  | 0.1+ | 950918 360 | 0.1- | 0.1+ |            |     |      |

**1995 OD<sub>1</sub>**

Id. P. Pravec (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |             |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 260.10882  |          | (2000.0)  | <b>P</b>    | <b>Q</b>    |
| <i>n</i> | 0.18913581 | $\omega$ | 5.99654   | -0.94251325 | -0.32158340 |
| <i>a</i> | 3.0057547  | $\Omega$ | 154.65688 | +0.29709872 | -0.93084776 |
| <i>e</i> | 0.0875072  | <i>i</i> | 12.25346  | +0.15297424 | -0.17351244 |
| <i>P</i> | 5.21       | <i>H</i> | 14.5      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 4           |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950730 557 | 0.1+ | 0.4+ | 950804 557 | 0.6- | 0.2+ | 950917 557 | 0.1+ | 0.2+ |
| 950730 557 | 0.2+ | 0.2+ | 950806 557 | 0.0  | 0.0  | 950917 557 | 0.2+ | 0.1+ |
| 950731 557 | 0.2+ | 0.0  | 950806 557 | 0.3+ | 0.2- | 961012 557 | 0.2+ | 0.2+ |
| 950801 557 | 0.6+ | 0.1- | 950806 557 | 0.1+ | 0.4+ | 961012 557 | 0.0  | 0.2- |
| 950801 557 | 0.5- | 0.1- | 950820 557 | 0.5- | 0.5- | 961012 557 | 0.1- | 0.4- |
| 950804 557 | 0.2+ | 0.0  | 950820 557 | 0.0  | 0.0  | 961013 557 | 0.2- | 0.2+ |
| 950804 557 | 0.1- | 0.5- | 950820 557 | 0.3- | 0.1- | 961013 557 | 0.0  | 0.2+ |

**1995 OE<sub>1</sub>**

Id. P. Pravec (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |             |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 24.85504   |          | (2000.0)  | <b>P</b>    | <b>Q</b>    |
| <i>n</i> | 0.20352064 | $\omega$ | 255.51444 | +0.65102499 | -0.75881416 |
| <i>a</i> | 2.8624006  | $\Omega$ | 153.83615 | +0.71209370 | +0.60180540 |
| <i>e</i> | 0.0636394  | <i>i</i> | 2.49192   | +0.26284793 | +0.24906090 |
| <i>P</i> | 4.84       | <i>H</i> | 15.0      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 3           |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950730 557 | 0.4- | 0.2+ | 950806 557 | 0.2+ | 0.2- | 951022 557 | 0.2+ | 0.2+ |
| 950730 557 | 0.1+ | 0.1- | 950818 557 | 0.2+ | 0.6+ | 951022 557 | 0.1- | 0.1+ |
| 950731 557 | 0.3+ | 0.0  | 950818 557 | 0.2- | 0.3+ | 951022 557 | 0.4+ | 0.9- |
| 950801 557 | 0.1+ | 0.2+ | 950818 557 | 0.3- | 0.1+ | 961012 557 | 0.5- | 0.2+ |
| 950801 557 | 0.0  | 0.2- | 950824 557 | 0.5- | 0.7- | 961012 557 | 0.3+ | 0.2+ |
| 950804 557 | 0.4+ | 0.1+ | 950824 557 | 0.6- | 0.3- | 961012 557 | 0.1+ | 0.1+ |
| 950804 557 | 0.1+ | 0.8- | 950917 557 | 0.2+ | 0.4+ | 961013 557 | 0.1- | 0.1- |
| 950804 557 | 0.0  | 0.8- | 950917 557 | 0.2- | 0.2+ | 961013 557 | 0.1+ | 0.5- |
| 950806 557 | 0.4+ | 0.6+ | 950917 557 | 0.1+ | 0.2+ |            |      |      |
| 950806 557 | 0.0  | 0.2+ | 951021 557 | 0.3- | 0.5+ |            |      |      |

**1995 TG = 1990 VL<sub>14</sub>**

Id. Y. Ikari (1996 observations), S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

|          |            |          |           |             |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> | 83.89265   |          | (2000.0)  | <b>P</b>    | <b>Q</b>    |
| <i>n</i> | 0.18001367 | $\omega$ | 301.22115 | +0.98252705 | -0.02576537 |
| <i>a</i> | 3.1064597  | $\Omega$ | 60.83988  | +0.11341271 | +0.86814609 |
| <i>e</i> | 0.1703434  | <i>i</i> | 12.18564  | -0.14757426 | +0.49563950 |
| <i>P</i> | 5.48       | <i>H</i> | 12.6      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 3           |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 901114 095 | (1.4+ | 4.6-) | 951017 900 | 0.2+ | 0.4- | 951124 900 | 0.1- | 0.5- |
| 901114 095 | 0.6-  | 1.8+  | 951018 900 | 0.0  | 0.1+ | 951124 900 | 0.7+ | 0.0  |
| 951003 900 | 0.2-  | 1.2+  | 951018 900 | 0.1+ | 0.3- | 951205 900 | 0.2+ | 0.5+ |
| 951003 900 | 0.5-  | 0.8+  | 951018 900 | 0.0  | 0.2- | 951205 900 | 1.1+ | 1.6+ |
| 951004 966 | 0.4-  | 0.2+  | 951019 966 | 0.0  | 0.0  | 951210 900 | 0.8+ | 0.5- |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 951005 | 966 | 1.4− | 0.7+ | 951019 | 966 | 0.6+ | 0.4− | 951210 | 900 | 0.2+ | 0.1+ |
| 951005 | 966 | 0.4− | 0.6+ | 951025 | 900 | 0.2+ | 0.1+ | 951231 | 900 | 0.4+ | 0.6+ |
| 951006 | 900 | 0.2− | 0.3+ | 951025 | 900 | 0.1− | 0.2− | 951231 | 900 | 1.0+ | 0.3− |
| 951006 | 900 | 0.5− | 0.3+ | 951027 | 900 | 0.3− | 0.9+ | 960102 | 900 | 0.3− | 0.9− |
| 951006 | 900 | 1.0− | 0.2+ | 951027 | 900 | 0.6+ | 0.0  | 960102 | 900 | 0.6+ | 0.4+ |
| 951009 | 900 | 0.0  | 0.2+ | 951030 | 900 | 0.3− | 0.9− | 960102 | 900 | 0.4− | 0.3− |
| 951009 | 900 | 0.6− | 0.5− | 951102 | 900 | 0.1+ | 0.5− | 961009 | 900 | 0.1− | 0.2+ |
| 951009 | 900 | 0.4− | 0.4− | 951102 | 900 | 0.4+ | 0.2− | 961009 | 900 | 0.2− | 0.2− |
| 951011 | 900 | 0.3+ | 0.3− | 951111 | 900 | 0.6+ | 0.4− | 961009 | 900 | 0.3+ | 0.5+ |
| 951011 | 900 | 0.4− | 0.1− | 951115 | 900 | 0.8+ | 1.0− | 961016 | 900 | 0.1− | 0.5− |
| 951013 | 900 | 0.3+ | 0.5− | 951115 | 900 | 0.4+ | 1.2− | 961016 | 900 | 0.2+ | 0.3− |
| 951013 | 900 | 0.9− | 0.2− | 951118 | 900 | 0.6+ | 0.1− |        |     |      |      |
| 951017 | 900 | 0.5− | 0.7+ | 951118 | 900 | 0.5+ | 0.3− |        |     |      |      |

**1996 JU**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 97.24013   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.27632975 | $\omega$ | 352.20910 | −0.88675090 |      | −0.43888254 |   |  |  |  |  |
| <i>a</i>                                         | 2.3344484  | $\Omega$ | 159.72824 | +0.44347568 |      | −0.89628607 |   |  |  |  |  |
| <i>e</i>                                         | 0.1811618  | <i>i</i> | 24.75888  | +0.13039232 |      | +0.06366624 |   |  |  |  |  |
| <i>P</i>                                         | 3.57       | <i>H</i> | 14.0      | <i>G</i>    | 0.15 | <i>U</i>    | 5 |  |  |  |  |

From 17 observations 1996 May 11–Sept. 20, mean residual 0<sup>h</sup>82.

**1996 JV**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 5.84155    |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.26324885 | $\omega$ | 156.19495 | +0.11308161 |      | +0.92665011 |   |  |  |  |  |
| <i>a</i>                                         | 2.4111546  | $\Omega$ | 118.52102 | −0.96449763 |      | +0.18904591 |   |  |  |  |  |
| <i>e</i>                                         | 0.1909881  | <i>i</i> | 24.08125  | −0.23865639 |      | −0.32493263 |   |  |  |  |  |
| <i>P</i>                                         | 3.74       | <i>H</i> | 13.5      | <i>G</i>    | 0.15 | <i>U</i>    | 4 |  |  |  |  |

From 29 observations 1996 May 12–Sept. 20, mean residual 0<sup>h</sup>63.

**1996 JW<sub>2</sub> = 1984 HD<sub>2</sub> = 1992 JW<sub>4</sub> = 1993 TA<sub>48</sub>**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 57.62779   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.25346572 | $\omega$ | 68.78383  | −0.59801561 |      | +0.80059486 |   |  |  |  |  |
| <i>a</i>                                         | 2.4728051  | $\Omega$ | 164.31157 | −0.77735806 |      | −0.56790025 |   |  |  |  |  |
| <i>e</i>                                         | 0.0767051  | <i>i</i> | 8.02539   | −0.19517117 |      | −0.19114699 |   |  |  |  |  |
| <i>P</i>                                         | 3.89       | <i>H</i> | 15.0      | <i>G</i>    | 0.15 | <i>U</i>    | 4 |  |  |  |  |

Residuals in seconds of arc

|        |     |      |      |        |     |       |       |        |     |      |      |
|--------|-----|------|------|--------|-----|-------|-------|--------|-----|------|------|
| 840424 | 809 | 0.2+ | 0.9+ | 931015 | 010 | 0.4+  | 1.4+  | 960528 | 358 | 0.6− | 1.2+ |
| 840424 | 809 | 0.6+ | 0.2− | 960513 | 358 | 0.0   | 0.3+  | 960528 | 358 | 0.5+ | 2.4− |
| 920507 | 691 | 0.4− | 0.1+ | 960513 | 358 | 0.4+  | 1.8+  | 960613 | 358 | 0.7− | 0.4+ |
| 920507 | 691 | 0.6− | 0.2+ | 960524 | 358 | (0.8+ | 3.9+) | 960613 | 358 | 0.1− | 2.0− |
| 920507 | 691 | 0.5− | 0.2− | 960524 | 358 | 1.7+  | 2.4+  | 960613 | 358 | 0.8− | 0.0  |
| 931015 | 010 | 0.0  | 0.7− | 960527 | 358 | 0.1−  | 0.6−  |        |     |      |      |
| 931015 | 010 | 0.7− | 0.5+ | 960527 | 358 | 0.9+  | 0.9−  |        |     |      |      |

**1996 KL<sub>1</sub>**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 12.24209   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.18024978 | $\omega$ | 142.34800 | −0.00910800 |      | +0.96810242 |   |  |  |  |  |
| <i>a</i>                                         | 3.1037463  | $\Omega$ | 125.74422 | −0.97596612 |      | +0.04591598 |   |  |  |  |  |
| <i>e</i>                                         | 0.2991631  | <i>i</i> | 17.96889  | −0.21773191 |      | −0.24631166 |   |  |  |  |  |
| <i>P</i>                                         | 5.47       | <i>H</i> | 14.5      | <i>G</i>    | 0.15 | <i>U</i>    | 4 |  |  |  |  |

From 18 observations 1996 May 22–Sept. 20, mean residual 0<sup>h</sup>29.

**1996 OK**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 16.30875   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.30248580 | $\omega$ | 209.87320 | +0.91150105 |      | +0.39800618 |   |  |  |  |  |
| <i>a</i>                                         | 2.1978568  | $\Omega$ | 126.30972 | −0.34724628 |      | +0.87982454 |   |  |  |  |  |
| <i>e</i>                                         | 0.2240408  | <i>i</i> | 7.39487   | −0.22042199 |      | +0.25980734 |   |  |  |  |  |
| <i>P</i>                                         | 3.26       | <i>H</i> | 16.0      | <i>G</i>    | 0.15 | <i>U</i>    | 3 |  |  |  |  |

From 65 observations 1996 July 19–Oct. 14, mean residual 0<sup>h</sup>40.

**1996 OL**

|                                                |            |          |           |             |      |             |   |  |  |  |  |
|------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Nakano |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                       | 30.21016   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                       | 0.29130726 | $\omega$ | 230.06724 | +0.83602576 |      | +0.54305107 |   |  |  |  |  |
| <i>a</i>                                       | 2.2537298  | $\Omega$ | 96.90505  | −0.47622587 |      | +0.78918224 |   |  |  |  |  |
| <i>e</i>                                       | 0.1646775  | <i>i</i> | 4.53318   | −0.27252495 |      | +0.28685698 |   |  |  |  |  |
| <i>P</i>                                       | 3.38       | <i>H</i> | 15.1      | <i>G</i>    | 0.15 | <i>U</i>    | 4 |  |  |  |  |

From 21 observations 1996 July 16–Oct. 4, mean residual 0<sup>h</sup>23.

**1996 OO**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 63.08731   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.12341104 | $\omega$ | 20.17334  | −0.30522416 |      | +0.94179630 |   |  |  |  |  |
| <i>a</i>                                         | 3.9954592  | $\Omega$ | 232.31723 | −0.89630791 |      | −0.33410662 |   |  |  |  |  |
| <i>e</i>                                         | 0.0796471  | <i>i</i> | 10.25680  | −0.32166806 |      | +0.03731619 |   |  |  |  |  |
| <i>P</i>                                         | 7.99       | <i>H</i> | 13.0      | <i>G</i>    | 0.15 | <i>U</i>    | 5 |  |  |  |  |

From 20 observations 1996 July 20–Oct. 12, mean residual 0<sup>h</sup>34.

**1996 OX = 1992 GW<sub>5</sub> = 1995 CU<sub>10</sub>**

|                                                  |            |          |           |             |      |             |   |  |  |  |  |
|--------------------------------------------------|------------|----------|-----------|-------------|------|-------------|---|--|--|--|--|
| Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams |            |          |           |             |      |             |   |  |  |  |  |
| <i>M</i>                                         | 45.02402   |          | (2000.0)  | <b>P</b>    |      | <b>Q</b>    |   |  |  |  |  |
| <i>n</i>                                         | 0.30062135 | $\omega$ | 130.54875 | +0.40006248 |      | +0.91622462 |   |  |  |  |  |
| <i>a</i>                                         | 2.2069348  | $\Omega$ | 162.99410 | −0.86192918 |      | +0.38428428 |   |  |  |  |  |
| <i>e</i>                                         | 0.1392789  | <i>i</i> | 4.30706   | −0.31149332 |      | +0.11339331 |   |  |  |  |  |
| <i>P</i>                                         | 3.28       | <i>H</i> | 15.0      | <i>G</i>    | 0.15 | <i>U</i>    | 2 |  |  |  |  |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 920403 | 033 | 0.3+ | 0.7+ | 960801 | 046 | 0.2+ | 0.2− | 960829 | 046 | 0.2+ | 0.1− |
| 920403 | 033 | 0.2+ | 0.8+ | 960805 | 046 | 0.2+ | 0.3− | 960829 | 046 | 0.4+ | 0.3+ |
| 950208 | 691 | 0.0  | 0.2+ | 960805 | 046 | 0.2+ | 0.5− | 960829 | 046 | 0.2+ | 0.8+ |
| 950208 | 691 | 0.0  | 0.6− | 960809 | 046 | 0.2+ | 0.7− | 960918 | 327 | 0.6− | 0.9+ |
| 960722 | 046 | 0.1− | 0.0  | 960809 | 046 | 0.3− | 0.4− | 960918 | 327 | 0.1+ | 0.8+ |
| 960722 | 046 | 0.3− | 0.2+ | 960809 | 046 | 0.1+ | 1.0− | 960918 | 327 | 0.1+ | 0.7+ |
| 960722 | 046 | 0.1− | 0.1+ | 960815 | 046 | 0.6+ | 0.2− | 960919 | 046 | 0.2+ | 0.2+ |
| 960723 | 046 | 0.2− | 0.1+ | 960815 | 046 | 0.3+ | 0.6− | 960919 | 046 | 0.4− | 0.0  |
| 960723 | 046 | 0.1− | 0.1+ | 960815 | 046 | 0.3+ | 0.2− | 960919 | 046 | 0.5− | 0.1− |
| 960724 | 046 | 0.1− | 0.0  | 960815 | 046 | 0.3+ | 0.3− | 960930 | 046 | 0.1+ | 0.5+ |

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 960724 046 | 0.2− | 0.1− | 960818 046 | 0.4+ | 0.1− | 960930 046 | 0.0  | 0.4+ |
| 960724 046 | 0.1− | 0.1− | 960818 046 | 0.3+ | 0.2− | 960930 046 | 0.3+ | 0.4+ |
| 960724 046 | 0.1− | 0.0  | 960818 046 | 0.4+ | 0.1− | 961011 046 | 0.1− | 0.1− |
| 960724 046 | 0.1− | 0.0  | 960820 046 | 0.0  | 0.2− | 961011 046 | 0.0  | 0.1+ |
| 960726 046 | 0.5− | 0.6+ | 960820 046 | 0.1+ | 0.2− | 961011 046 | 0.3− | 0.0  |
| 960726 046 | 0.6− | 0.8+ | 960820 046 | 0.0  | 0.3− | 961014 046 | 0.0  | 0.6+ |
| 960726 046 | 0.9− | 0.7+ | 960822 046 | 0.2− | 0.4− | 961014 046 | 0.0  | 0.2+ |
| 960801 046 | 0.0  | 0.1− | 960822 046 | 0.2+ | 0.1+ |            |      |      |
| 960801 046 | 0.2+ | 0.3− | 960822 046 | 0.1− | 0.2+ |            |      |      |

**1996 OJ<sub>2</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |               |             |
|----------|------------|----------|-----------|---------------|-------------|
| <i>M</i> | 346.15737  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
| <i>n</i> | 0.26019288 | $\omega$ | 78.72927  | +0.95475215   | −0.25325746 |
| <i>a</i> | 2.4299972  | $\Omega$ | 295.78370 | +0.15646083   | +0.87356644 |
| <i>e</i> | 0.2556964  | <i>i</i> | 9.97113   | +0.25291965   | +0.41562282 |
| <i>P</i> | 3.79       | <i>H</i> | 15.0      | <i>G</i> 0.15 | <i>U</i> 4  |

From 41 observations 1996 July 23–Oct. 18, mean residual 0<sup>h</sup>.44.**1996 PE = 1992 WQ<sub>9</sub> = 1995 HO<sub>5</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |               |             |
|----------|------------|----------|-----------|---------------|-------------|
| <i>M</i> | 356.86745  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
| <i>n</i> | 0.21082056 | $\omega$ | 238.02769 | +0.96668235   | +0.24557424 |
| <i>a</i> | 2.7959372  | $\Omega$ | 107.67070 | −0.20173898   | +0.90459273 |
| <i>e</i> | 0.1605549  | <i>i</i> | 4.34815   | −0.15756468   | +0.34843261 |
| <i>P</i> | 4.68       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i> 3  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 921117 691 | 0.2+ | 0.1− | 960807 684 | 0.5+ | 0.3+ | 960812 684 | 0.1− | 0.2+ |
| 921117 691 | 0.0  | 0.1+ | 960807 684 | 0.7+ | 0.4+ | 960904 684 | 0.5− | 0.0  |
| 921117 691 | 0.1− | 0.0  | 960810 684 | 0.1+ | 0.2+ | 960904 684 | 0.5− | 0.1− |
| 950423 691 | 0.2− | 0.0  | 960810 684 | 0.2+ | 0.2+ | 960904 684 | 0.6− | 0.0  |
| 950423 691 | 0.1− | 0.2− | 960810 684 | 0.2+ | 0.2+ | 960908 684 | 0.4− | 0.4− |
| 950423 691 | 0.0  | 0.1− | 960811 684 | 0.1− | 0.2+ | 960908 684 | 0.8− | 0.6− |
| 960806 684 | 0.5+ | 0.2− | 960811 684 | 0.1− | 0.4+ | 960908 684 | 0.8− | 0.5− |
| 960806 684 | 0.7+ | 0.2− | 960811 684 | 0.0  | 0.3+ | 961002 684 | 0.2− | 0.5− |
| 960806 684 | 0.6+ | 0.2− | 960812 684 | 0.0  | 0.2+ | 961002 684 | 0.0  | 0.3− |
| 960807 684 | 0.6+ | 0.3+ | 960812 684 | 0.1− | 0.2+ | 961002 684 | 0.3− | 0.2− |

**1996 QZ = 1995 MF<sub>3</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |               |             |
|----------|------------|----------|-----------|---------------|-------------|
| <i>M</i> | 357.12847  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
| <i>n</i> | 0.21618210 | $\omega$ | 219.22194 | +0.99212806   | −0.10532159 |
| <i>a</i> | 2.7495158  | $\Omega$ | 146.63683 | +0.12094709   | +0.94612855 |
| <i>e</i> | 0.0827004  | <i>i</i> | 7.07588   | −0.03246094   | +0.30618316 |
| <i>P</i> | 4.56       | <i>H</i> | 15.5      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950625 691 | 0.6+ | 0.1− | 960820 046 | 0.3− | 0.3− | 960823 046 | 0.2+ | 0.1+ |
| 950625 691 | 0.3− | 0.4+ | 960820 046 | 1.0+ | 0.3− | 960824 046 | 0.6+ | 0.1− |
| 950625 691 | 0.0  | 0.3+ | 960820 046 | 0.7+ | 0.4− | 960824 046 | 0.3+ | 0.2+ |
| 950702 691 | 0.0  | 0.4− | 960820 046 | 0.1− | 0.3− | 960824 046 | 0.3+ | 0.1+ |
| 950702 691 | 0.4− | 0.3− | 960820 046 | 0.0  | 0.1− | 960910 046 | 0.7− | 0.3+ |
| 950702 691 | 0.1+ | 0.0  | 960821 046 | 0.3+ | 0.5+ | 960910 046 | 0.1+ | 0.3− |
| 960820 046 | 0.1− | 0.0  | 960822 046 | 0.4+ | 0.1− | 961003 046 | 0.6+ | 0.2+ |
| 960820 046 | 0.3+ | 0.5− | 960822 046 | 1.6− | 1.6+ | 961003 046 | 0.0  | 0.5+ |

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 960820 046 | 0.3+ | 0.3− | 960822 046 | 0.8− | 0.1+ | 961003 046 | 0.3− | 0.6− |
| 960820 046 | 0.1+ | 0.2+ | 960823 046 | 1.1− | 0.8− | 961003 046 | 0.1+ | 0.3− |
| 960820 046 | 0.1− | 0.3+ | 960823 046 | 0.1− | 0.3+ |            |      |      |

**1996 QG<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |               |             |
|----------|------------|----------|-----------|---------------|-------------|
| <i>M</i> | 30.26405   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
| <i>n</i> | 0.25442158 | $\omega$ | 170.28245 | +0.75290706   | +0.65806018 |
| <i>a</i> | 2.4666077  | $\Omega$ | 148.55915 | −0.60501894   | +0.69768228 |
| <i>e</i> | 0.2112756  | <i>i</i> | 1.02900   | −0.25900393   | +0.28318940 |
| <i>P</i> | 3.87       | <i>H</i> | 15.0      | <i>G</i> 0.15 | <i>U</i> 4  |

From 18 observations 1996 June 22–Oct. 16, mean residual 0<sup>h</sup>.53.**1996 QN<sub>1</sub> = 1986 RE<sub>8</sub> = 1991 RK<sub>36</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |               |             |
|----------|------------|----------|-----------|---------------|-------------|
| <i>M</i> | 48.12700   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
| <i>n</i> | 0.19131961 | $\omega$ | 322.07200 | +0.51898449   | +0.85259673 |
| <i>a</i> | 2.9828384  | $\Omega$ | 338.97641 | −0.73669820   | +0.40988915 |
| <i>e</i> | 0.0817300  | <i>i</i> | 9.80691   | −0.43350993   | +0.32414455 |
| <i>P</i> | 5.15       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 860907 095 | (3.0− | 6.3+) | 960810 358 | 0.6− | 0.9+ | 960819 824 | 0.0  | 0.7− |
| 860911 095 | 0.2−  | 0.1−  | 960810 358 | 0.5− | 0.6− | 960919 824 | 0.3− | 0.6− |
| 910914 675 | 0.6+  | 0.6+  | 960818 816 | 0.5− | 0.2− | 960919 824 | 0.1+ | 0.2− |
| 910914 675 | 1.6+  | 0.3+  | 960818 816 | 0.4− | 0.1− | 961002 816 | 1.3+ | 0.4+ |
| 911005 691 | 0.9−  | 0.2+  | 960818 816 | 0.6− | 0.1+ | 961002 816 | 0.9+ | 0.0  |
| 911005 691 | 0.8−  | 0.1−  | 960818 816 | 0.2− | 0.0  | 961002 816 | 1.3+ | 0.4+ |
| 911005 691 | 0.7−  | 0.0   | 960819 824 | 0.1+ | 0.6− | 961002 816 | 0.8+ | 0.1+ |
| 960809 358 | (2.4− | 1.6+) | 960819 824 | 0.0  | 0.7− |            |      |      |
| 960809 358 | 1.0−  | 1.3+  | 960819 824 | 0.0  | 0.5− |            |      |      |

**1996 QU<sub>1</sub> = 1948 RC = 1985 TV<sub>3</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

|          |            |          |           |               |             |
|----------|------------|----------|-----------|---------------|-------------|
| <i>M</i> | 10.21781   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
| <i>n</i> | 0.26741959 | $\omega$ | 47.84189  | +0.97367642   | −0.22016122 |
| <i>a</i> | 2.3860190  | $\Omega$ | 324.75734 | +0.16705840   | +0.86544491 |
| <i>e</i> | 0.3013575  | <i>i</i> | 5.87042   | +0.15506680   | +0.45003794 |
| <i>P</i> | 3.69       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i> 3  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 480907 690 | 0.3−  | 1.1−  | 960825 825 | 0.3− | 0.1+ | 960922 825 | 0.2− | 0.2− |
| 480908 690 | 0.6+  | 0.2+  | 960825 825 | 0.2+ | 1.1+ | 960922 825 | 0.2− | 0.2− |
| 480909 690 | 0.5+  | 0.2−  | 960826 825 | 0.8+ | 0.5+ | 960922 825 | 0.5− | 0.2+ |
| 851011 675 | 1.3−  | 0.4+  | 960826 825 | 0.2+ | 0.8+ | 960922 825 | 0.2− | 0.1+ |
| 851013 675 | 0.0   | 0.9+  | 960826 825 | 0.5+ | 0.7+ | 960922 825 | 0.2− | 0.1+ |
| 960819 825 | 0.7−  | 1.2−  | 960826 825 | 0.4− | 0.4+ | 960922 825 | 0.3− | 0.2+ |
| 960819 825 | 0.7−  | 0.2−  | 960826 825 | 0.5+ | 0.4+ | 961001 825 | 0.3+ | 0.1+ |
| 960819 825 | 0.7−  | 0.2−  | 960826 825 | 0.1+ | 0.2+ | 961004 825 | 0.3+ | 0.0  |
| 960819 825 | 0.3−  | 0.0   | 960826 825 | 0.1+ | 0.4+ | 961004 825 | 0.2+ | 0.0  |
| 960820 825 | 0.5−  | 1.2−  | 960826 825 | 0.1+ | 0.3− | 961004 825 | 0.3+ | 0.1− |
| 960820 825 | 0.4−  | 0.5+  | 960921 825 | 0.4+ | 0.0  | 961005 825 | 0.4+ | 0.1+ |
| 960820 825 | 1.7−  | 1.1−  | 960921 825 | 0.4+ | 0.0  | 961005 825 | 0.4+ | 0.2+ |
| 960820 825 | 0.4−  | 0.2−  | 960921 825 | 0.4− | 0.5− | 961005 825 | 0.2+ | 0.0  |
| 960820 825 | (1.6− | 2.5+) | 960921 825 | 1.3+ | 1.9− | 961006 825 | 0.4+ | 0.0  |
| 960825 825 | 0.4−  | 0.5+  | 960922 825 | 0.4− | 0.1− | 961006 825 | 0.3+ | 0.5− |

960825 825 0.6+ 1.8+ 960922 825 0.2− 0.1− 961006 825 0.5+ 0.0  
 960825 825 0.4− 0.4− 960922 825 0.0 0.0 961006 825 0.6+ 0.0

**1996 RG<sub>1</sub> = 1991 CW<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |          | Williams    |             |
|----------|------------|----------|----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |          | <i>Q</i>    |             |
| <i>n</i> | 0.30597010 | <i>ω</i> | 18.11562 | +0.88921018 | −0.45722149 |
| <i>a</i> | 2.1811392  | <i>Ω</i> | 9.14138  | +0.40636952 | +0.77335902 |
| <i>e</i> | 0.1647973  | <i>i</i> | 5.75473  | +0.21016439 | +0.43916322 |
| <i>P</i> | 3.22       | <i>H</i> | 14.5     | <i>G</i>    | 0.15        |
|          |            |          |          | <i>U</i>    | 4           |

Residuals in seconds of arc

910212 372 0.1− 0.3+ 960911 327 0.4+ 0.0 960921 327 0.1− 0.2+  
 910212 372 1.9+ 2.0+ 960911 327 0.2+ 0.2− 960922 327 0.1+ 0.3−  
 910216 372 2.9− 2.5− 960911 327 0.4+ 0.5− 960922 327 0.5− 0.6+  
 910216 372 1.1+ 0.1+ 960919 327 0.4− 0.0 960922 327 0.3− 0.7+  
 960910 327 0.4− 0.0 960919 327 0.0 0.7− 960922 327 0.7− 0.6+  
 960910 327 0.0 0.1− 960919 327 0.1− 0.2− 961005 327 0.2− 0.2−  
 960910 327 0.4− 0.4− 960919 327 0.3+ 0.3+ 961005 327 0.0 0.5−  
 960910 327 0.3− 0.6− 960921 327 0.1+ 0.8+ 961005 327 0.3+ 0.2−  
 960911 327 0.7+ 0.1− 960921 327 0.7+ 0.7+

**1996 RQ<sub>2</sub> = 1991 GJ<sub>6</sub> = 1993 QJ**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | Marsden     |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |           | <i>Q</i>    |             |
| <i>n</i> | 0.26380756 | <i>ω</i> | 240.29137 | −0.96782821 | +0.25085516 |
| <i>a</i> | 2.4077491  | <i>Ω</i> | 314.22897 | −0.22042660 | −0.88269436 |
| <i>e</i> | 0.1505700  | <i>i</i> | 1.55940   | −0.12132878 | −0.39739446 |
| <i>P</i> | 3.74       | <i>H</i> | 15.0      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 4           |

Residuals in seconds of arc

910408 809 0.5− 0.3+ 930816 691 0.4− 0.2− 960913 552 0.3+ 0.0  
 910408 809 0.5+ 0.3− 930818 691 0.3+ 0.2− 960913 552 0.1+ 0.2−  
 910408 809 0.5− 0.5− 930818 691 0.2− 0.2− 960914 552 0.2− 0.3−  
 910410 809 0.0 0.0 930818 691 0.3+ 0.4+ 960914 552 0.0 0.5+  
 910410 809 0.5+ 0.0 960910 566 0.3− 0.5− 960916 552 0.1+ 0.2+  
 910410 809 0.1− 0.2+ 960910 566 0.1+ 0.0 960916 552 0.1+ 0.1+  
 930816 691 0.1+ 0.1+ 960910 566 0.1− 0.0

**1996 RG<sub>3</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | Marsden     |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |           | <i>Q</i>    |             |
| <i>n</i> | 0.34863721 | <i>ω</i> | 299.88654 | −0.14589405 | −0.98903777 |
| <i>a</i> | 1.9993411  | <i>Ω</i> | 158.46697 | +0.92773154 | −0.14477674 |
| <i>e</i> | 0.6045135  | <i>i</i> | 3.55934   | +0.34355365 | −0.02905160 |
| <i>P</i> | 2.83       | <i>H</i> | 18.5      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 7           |

From 51 observations 1996 Sept. 14–Oct. 14, mean residual 0<sup>″</sup>.54.**1996 RJ<sub>3</sub> = 1985 SF<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | Williams    |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |           | <i>Q</i>    |             |
| <i>n</i> | 0.26291160 | <i>ω</i> | 297.44775 | +0.60623523 | +0.79511507 |
| <i>a</i> | 2.4132161  | <i>Ω</i> | 9.92042   | −0.69177986 | +0.53743043 |
| <i>e</i> | 0.1933305  | <i>i</i> | 5.48191   | −0.39232571 | +0.28099922 |
| <i>P</i> | 3.75       | <i>H</i> | 14.5      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 3           |

Residuals in seconds of arc

850916 809 1.1− 1.2+ 850921 809 1.1+ 0.1− 960919 684 0.1+ 0.1−  
 850916 809 0.8− 1.2+ 850921 809 1.2+ 0.2− 960919 684 0.3+ 0.0  
 850916 809 0.9− 1.2+ 850921 809 1.4+ 0.2− 961001 684 0.4− 0.0  
 850918 809 0.1+ 0.3+ 850922 809 0.6− 1.2− 961001 684 0.4− 0.0  
 850918 809 0.3+ 0.2+ 850922 809 0.4− 1.2− 961001 684 0.5− 0.0  
 850918 809 0.4+ 0.3+ 960915 684 0.0 0.1+ 961002 684 0.1+ 0.2−  
 850919 809 0.6− 0.5− 960915 684 0.0 0.1− 961002 684 0.1− 0.2−  
 850919 809 0.5− 0.5− 960915 684 0.1− 0.3− 961002 684 0.1− 0.2−  
 850919 809 0.2− 0.5− 960916 684 0.1+ 0.2− 961017 684 0.2+ 0.7+  
 850920 809 0.0 0.0 960916 684 0.2+ 0.1− 961017 684 0.1+ 0.5+  
 850920 809 0.3+ 0.0 960916 684 0.2+ 0.0 961017 684 0.2− 0.3+  
 850920 809 0.5+ 0.0 960919 684 0.2+ 0.1+

**1996 RB<sub>4</sub> = 1992 WW<sub>8</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | Williams    |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |           | <i>Q</i>    |             |
| <i>n</i> | 0.23364106 | <i>ω</i> | 137.38075 | +0.39267034 | −0.89746024 |
| <i>a</i> | 2.6107779  | <i>Ω</i> | 288.58656 | +0.77634897 | +0.44059556 |
| <i>e</i> | 0.1360658  | <i>i</i> | 12.23914  | +0.49304390 | +0.02099226 |
| <i>P</i> | 4.22       | <i>H</i> | 13.0      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 5           |

Residuals in seconds of arc

921126 675 0.4− 0.9+ 960914 596 0.3+ 0.3− 960920 596 0.3− 0.0  
 921126 675 1.3− 0.5− 960914 596 0.2+ 0.2− 960920 596 0.1+ 0.2+  
 921128 675 0.5+ 0.2− 960915 596 0.3− 0.0 960930 596 0.1+ 0.1+  
 921128 675 1.2+ 0.3− 960915 596 0.3+ 0.5+ 960930 596 0.1+ 0.7+  
 960914 596 0.1+ 0.3− 960915 596 0.2− 0.5− 960930 596 0.5− 0.5−  
 960914 596 0.5+ 0.4+ 960920 596 0.3− 0.0

**1996 RC<sub>4</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | Williams    |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |           | <i>Q</i>    |             |
| <i>n</i> | 0.44291653 | <i>ω</i> | 258.86040 | +0.19925439 | −0.97994156 |
| <i>a</i> | 1.7044651  | <i>Ω</i> | 179.59336 | +0.97435120 | +0.19849607 |
| <i>e</i> | 0.2270186  | <i>i</i> | 29.52556  | −0.10458214 | −0.01771602 |
| <i>P</i> | 2.23       | <i>H</i> | 17.5      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 6           |

From 24 observations 1996 Sept. 15–Oct. 18, mean residual 0<sup>″</sup>.28.**1996 RJ<sub>5</sub> = 1978 UG<sub>3</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> |            | (2000.0) |           | Williams    |             |
|----------|------------|----------|-----------|-------------|-------------|
| <i>M</i> |            | <i>P</i> |           | <i>Q</i>    |             |
| <i>n</i> | 0.21624329 | <i>ω</i> | 21.26118  | +0.99851904 | −0.04098289 |
| <i>a</i> | 2.7489971  | <i>Ω</i> | 340.98234 | +0.01817720 | +0.87118863 |
| <i>e</i> | 0.2251288  | <i>i</i> | 6.30370   | +0.05127685 | +0.48923488 |
| <i>P</i> | 4.56       | <i>H</i> | 14.0      | <i>G</i>    | 0.15        |
|          |            |          |           | <i>U</i>    | 4           |

Residuals in seconds of arc

781026 675 0.1− 0.1− 960915 966 0.1+ 0.1+ 960916 966 0.3− 0.3−  
 781027 675 0.1+ 0.1+ 960916 966 0.4+ 0.4+ 961001 966 0.9+ 0.0  
 960915 966 0.4− 0.6− 960916 966 0.4+ 0.3+ 961001 966 1.0− 0.0

**1996 RS<sub>5</sub> = 1986 RB<sub>1</sub> = 1986 TG<sub>9</sub> = 1991 RA<sub>8</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 22.12555   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.20074966 | $\omega$ | 346.25355 | +0.99773634   | -0.01602675 |
| <i>a</i> | 2.8886804  | $\Omega$ | 15.12703  | +0.05245861   | +0.79313866 |
| <i>e</i> | 0.1836119  | <i>i</i> | 14.49330  | -0.04207492   | +0.60883020 |
| <i>P</i> | 4.91       | <i>H</i> | 12.0      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |        |       |            |      |      |            |      |      |
|------------|--------|-------|------------|------|------|------------|------|------|
| 860901 801 | 0.7+   | 0.1-  | 910914 675 | 0.6- | 0.5+ | 961012 721 | 0.3- | 0.5+ |
| 861002 095 | (11.8- | 7.2+) | 960913 721 | 0.4+ | 0.3- | 961012 721 | 0.0  | 0.5+ |
| 910912 675 | 0.1-   | 0.1-  | 960913 721 | 0.3+ | 0.5- | 961012 721 | 0.3- | 0.3- |
| 910912 675 | 0.6-   | 0.2+  | 960920 721 | 0.5+ | 0.3- |            |      |      |
| 910914 675 | 0.6-   | 0.3+  | 960920 721 | 0.6+ | 0.4- |            |      |      |

**1996 SR = 1992 SA<sub>14</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 5.98151    |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.23940808 | $\omega$ | 189.69572 | +0.99606956   | +0.08596229 |
| <i>a</i> | 2.5686810  | $\Omega$ | 165.32183 | -0.07457042   | +0.94394378 |
| <i>e</i> | 0.2004696  | <i>i</i> | 4.83380   | -0.04779829   | +0.31871715 |
| <i>P</i> | 4.12       | <i>H</i> | 16.5      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 920926 033 | 0.5+ | 0.4- | 960812 566 | 0.2- | 0.2- | 960923 684 | 0.4+ | 0.5- |
| 920926 033 | 0.1+ | 0.6+ | 960920 816 | 0.4+ | 0.4+ | 960923 684 | 0.2+ | 0.3- |
| 920927 033 | 0.4+ | 0.1- | 960920 816 | 0.5+ | 0.1+ | 960923 684 | 0.0  | 0.2- |
| 920928 033 | 1.0- | 0.4- | 960920 816 | 0.4+ | 0.1+ | 961002 816 | 0.8- | 0.2+ |
| 960812 566 | 0.3- | 0.0  | 960921 816 | 0.2- | 0.2- | 961002 816 | 0.8- | 0.5+ |
| 960812 566 | 0.3- | 0.3- | 960921 816 | 0.6+ | 0.6+ |            |      |      |

**1996 SG<sub>4</sub> = 1992 YS<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 343.09758  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.23777979 | $\omega$ | 170.72749 | +0.08847992   | -0.99462981 |
| <i>a</i> | 2.5803944  | $\Omega$ | 274.18294 | +0.91039848   | +0.10262305 |
| <i>e</i> | 0.2062931  | <i>i</i> | 3.08604   | +0.40416076   | -0.01341816 |
| <i>P</i> | 4.15       | <i>H</i> | 15.0      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 921218 010 | 0.9+ | 0.6+ | 960919 327 | 0.3- | 0.0  | 960922 327 | 0.3+ | 0.4+ |
| 921219 010 | 0.2- | 0.1+ | 960919 327 | 0.5+ | 0.2+ | 961005 327 | 0.3- | 0.4- |
| 921219 010 | 1.4+ | 0.3- | 960921 327 | 0.3- | 0.5- | 961005 327 | 0.0  | 0.4+ |
| 921219 010 | 0.0  | 0.2- | 960921 327 | 0.3- | 0.3- | 961005 327 | 0.2- | 0.3- |
| 921219 010 | 0.6- | 0.1- | 960921 327 | 0.5- | 0.0  | 961007 327 | 0.1- | 0.9+ |
| 921220 010 | 1.5- | 0.1- | 960922 327 | 0.2+ | 0.1- | 961007 327 | 0.7+ | 0.2+ |
| 960919 327 | 0.3+ | 0.7- | 960922 327 | 0.2+ | 0.1- | 961007 327 | 0.1- | 0.1+ |
| 960919 327 | 0.5+ | 0.2- | 960922 327 | 0.6- | 0.3+ |            |      |      |

**1996 SS<sub>4</sub> = 1995 MT<sub>4</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 181.74905  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.27311620 | $\omega$ | 8.48615   | -0.85999744   | +0.50970158 |
| <i>a</i> | 2.3527245  | $\Omega$ | 202.21090 | -0.47193738   | -0.81280942 |
| <i>e</i> | 0.0614203  | <i>i</i> | 3.74220   | -0.19411213   | -0.28203750 |
| <i>P</i> | 3.61       | <i>H</i> | 15.5      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950622 327 | 0.3- | 0.4- | 960920 327 | 0.4+ | 0.0  | 960922 327 | 0.0  | 0.8+ |
| 950622 327 | 0.3- | 0.2+ | 960920 327 | 0.1+ | 0.3+ | 960922 327 | 0.2- | 0.6- |
| 950622 327 | 0.7+ | 0.1- | 960920 327 | 0.3- | 0.0  | 960922 327 | 0.3- | 0.2+ |
| 950622 327 | 0.4+ | 0.2- | 960921 327 | 0.3- | 0.6- | 961005 327 | 0.2- | 0.3+ |
| 950626 327 | 0.1- | 0.2+ | 960921 327 | 0.4+ | 0.5- | 961005 327 | 0.2- | 0.3- |
| 950626 327 | 0.3- | 0.0  | 960921 327 | 0.0  | 0.1- | 961005 327 | 0.2+ | 0.1+ |
| 950626 327 | 0.1- | 0.2+ | 960922 327 | 0.2+ | 0.0  | 961014 327 | 0.0  | 0.1+ |
| 950626 327 | 0.0  | 0.1+ | 960922 327 | 0.1- | 0.0  | 961014 327 | 0.0  | 0.1- |
| 960920 327 | 0.1- | 0.1+ | 960922 327 | 0.3+ | 0.1- | 961014 327 | 0.0  | 0.1+ |

**1996 SY<sub>4</sub> = 1981 RL<sub>6</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 25.19844   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.26511132 | $\omega$ | 276.67287 | +0.97009017   | +0.23781146 |
| <i>a</i> | 2.3998487  | $\Omega$ | 69.57840  | -0.19709643   | +0.88874201 |
| <i>e</i> | 0.2054258  | <i>i</i> | 2.97820   | -0.14169710   | +0.39189713 |
| <i>P</i> | 3.72       | <i>H</i> | 15.5      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 810901 675 | 0.0  | 0.2+ | 960925 658 | 0.1- | 0.3- | 961008 693 | 1.0- | 0.1+ |
| 810902 675 | 0.0  | 0.2- | 960925 658 | 0.2- | 0.1- | 961008 693 | 1.3+ | 0.4- |
| 960925 658 | 0.5+ | 0.4+ | 960925 658 | 0.2- | 0.4- | 961017 658 | 0.1+ | 0.1+ |
| 960925 658 | 0.2+ | 0.5+ | 960926 658 | 0.3- | 0.2+ | 961017 658 | 0.0  | 0.1+ |
| 960925 658 | 0.5+ | 0.4+ | 960926 658 | 0.9- | 0.1- | 961017 658 | 0.1- | 0.0  |
| 960925 658 | 0.0  | 0.3- | 960926 658 | 0.3+ | 0.1+ |            |      |      |

**1996 SK<sub>6</sub> = 1990 SW<sub>15</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 13.96999   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.17368368 | $\omega$ | 172.16015 | +0.98253723   | -0.18293183 |
| <i>a</i> | 3.1814862  | $\Omega$ | 198.48604 | +0.16436424   | +0.93898159 |
| <i>e</i> | 0.2578947  | <i>i</i> | 6.15711   | +0.08720654   | +0.29128942 |
| <i>P</i> | 5.67       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i> 4  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 900916 675 | 0.2+ | 0.6+ | 960920 327 | 0.2+ | 0.1- | 960922 327 | 0.3+ | 0.1+ |
| 900916 675 | 0.9+ | 0.5+ | 960920 327 | 0.2- | 0.2+ | 961009 358 | 0.1- | 1.1- |
| 900919 675 | 0.9- | 0.9- | 960920 327 | 0.1+ | 0.2- | 961009 358 | 0.7+ | 0.7- |
| 900919 675 | 0.1- | 0.3- | 960922 327 | 0.2- | 0.3+ | 961010 358 | 0.3- | 0.4+ |
| 960920 327 | 0.1- | 0.4+ | 960922 327 | 0.0  | 0.1+ | 961010 358 | 0.5- | 0.8+ |

**1996 SR<sub>7</sub> = 1994 AV<sub>11</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 73.63105   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.22714036 | $\omega$ | 356.95888 | +0.17202711   | +0.98415110 |
| <i>a</i> | 2.6603565  | $\Omega$ | 282.94388 | -0.90286971   | +0.14003920 |
| <i>e</i> | 0.1883536  | <i>i</i> | 2.53171   | -0.39399615   | +0.10879171 |
| <i>P</i> | 4.34       | <i>H</i> | 13.5      | <i>G</i> 0.15 | <i>U</i> 6  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 940111 691 | 0.0  | 0.0  | 940112 691 | 0.2+ | 0.2+ | 961001 966 | 0.2- | 0.1- |
| 940111 691 | 0.2- | 0.4+ | 960916 966 | 0.4+ | 0.9- | 961002 966 | 0.8- | 1.0+ |
| 940111 691 | 0.5+ | 0.2- | 960917 966 | 0.5- | 1.4+ | 961003 966 | 1.0+ | 0.7- |
| 940112 691 | 0.2- | 0.5- | 960917 966 | 0.1+ | 0.6- | 961003 966 | 0.4- | 0.2- |
| 940112 691 | 0.3- | 0.1+ | 961001 966 | 0.2+ | 0.3+ | 961003 966 | 0.2+ | 0.2- |

**1996 TN = 1979 YX<sub>2</sub> = 1989 TF<sub>17</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 26.65000   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.28376670 | $\omega$ | 314.84558 | +0.99716690   | +0.00034236 |
| <i>a</i> | 2.2934807  | $\Omega$ | 45.29608  | +0.03468574   | +0.88523623 |
| <i>e</i> | 0.0886252  | <i>i</i> | 6.07508   | -0.06674626   | +0.46514158 |
| <i>P</i> | 3.47       | <i>H</i> | 13.5      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 791224 095 | 0.0  | 0.1- | 891010 809 | 0.8+ | 0.5- | 961009 399 | 0.6- | 1.0- |
| 891009 809 | 0.1+ | 0.3+ | 961003 595 | 0.1+ | 0.3+ | 961009 595 | 0.3+ | 0.2+ |
| 891009 809 | 0.0  | 0.4+ | 961003 595 | 0.4+ | 0.3+ | 961009 595 | 0.3+ | 0.3+ |
| 891009 809 | 0.0  | 0.4+ | 961004 595 | 0.1+ | 0.5+ | 961010 399 | 0.4+ | 0.2- |
| 891010 809 | 0.6- | 0.5- | 961004 595 | 0.3- | 0.2+ | 961010 399 | 0.0  | 0.4+ |
| 891010 809 | 0.2- | 0.5- | 961004 595 | 0.0  | 0.3+ |            |      |      |
| 891010 809 | 0.3+ | 0.6- | 961009 399 | 1.1- | 0.3- |            |      |      |

**1996 TQ<sub>1</sub> = 1995 KO<sub>4</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 7.37957    |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.26926811 | $\omega$ | 193.49636 | +0.93885420   | -0.34428864 |
| <i>a</i> | 2.3750865  | $\Omega$ | 186.64667 | +0.31921990   | +0.87499506 |
| <i>e</i> | 0.2131160  | <i>i</i> | 2.10835   | +0.12904052   | +0.34036595 |
| <i>P</i> | 3.66       | <i>H</i> | 14.9      | <i>G</i> 0.15 | <i>U</i> 6  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 950526 691 | 0.9- | 0.6- | 950530 691 | 0.2- | 0.9+ | 961008 400 | 0.2+ | 0.0  |
| 950526 691 | 1.3- | 0.4- | 950530 691 | 1.1+ | 0.3+ | 961008 400 | 0.3- | 0.9+ |
| 950526 691 | 0.9- | 0.5- | 961005 400 | 0.9- | 0.4- | 961014 400 | 0.2+ | 2.0- |
| 950530 691 | 2.1+ | 0.1+ | 961005 400 | 0.9+ | 1.0+ | 961014 400 | 0.0  | 0.3+ |

**1996 TG<sub>5</sub> = 1992 JX<sub>4</sub> = 1993 XV<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

| <i>M</i> | 3.38594    |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.31167227 | $\omega$ | 308.10393 | +0.83516876   | -0.54831866 |
| <i>a</i> | 2.1544542  | $\Omega$ | 85.18687  | +0.51712486   | +0.75630922 |
| <i>e</i> | 0.1090284  | <i>i</i> | 2.46703   | +0.18728327   | +0.35685151 |
| <i>P</i> | 3.16       | <i>H</i> | 14.4      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 920503 809 | 1.0- | 0.0  | 931209 408 | 0.7- | 1.3- | 961009 367 | 0.3+ | 0.1- |
| 920503 809 | 0.6+ | 0.4- | 931218 408 | 0.5- | 1.6+ | 961009 367 | 0.6+ | 0.3- |
| 920503 809 | 0.4+ | 0.6+ | 931218 408 | 0.3- | 0.8- | 961011 367 | 0.3+ | 0.0  |
| 931209 408 | 0.8- | 0.0  | 961005 367 | 0.7- | 0.2+ | 961011 367 | 0.0  | 0.2+ |
| 931209 408 | 2.2+ | 0.6+ | 961005 367 | 0.6- | 0.1+ |            |      |      |

**1996 TM<sub>6</sub> = 1978 WT<sub>16</sub> = 1989 UG<sub>4</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 348.61791  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.26795350 | $\omega$ | 334.39147 | +0.94226265   | -0.33374381 |
| <i>a</i> | 2.3828485  | $\Omega$ | 45.13395  | +0.31352655   | +0.85036426 |
| <i>e</i> | 0.1949042  | <i>i</i> | 2.22352   | +0.11765286   | +0.40681161 |
| <i>P</i> | 3.68       | <i>H</i> | 16.5      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 781130 675 | 0.0  | 0.6- | 960913 566 | 0.5- | 0.6- | 961009 327 | 1.0+ | 0.0  |
| 781201 675 | 0.1+ | 0.3+ | 960913 566 | 0.1- | 0.3- | 961009 327 | 0.7- | 0.1- |
| 891023 033 | 0.3+ | 0.1- | 961007 327 | 0.7- | 0.0  | 961018 327 | 0.1- | 0.3- |

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 891023 033 | 0.3+ | 0.4+ | 961007 327 | 0.2+ | 0.0  | 961018 327 | 0.4+ | 0.0  |
| 891026 033 | 0.7- | 0.1- | 961007 327 | 0.6+ | 0.8+ | 961018 327 | 0.5- | 0.2- |
| 960913 566 | 0.6+ | 0.2+ | 961009 327 | 0.1+ | 0.3+ | 961018 327 | 0.4- | 0.0  |

**1996 TF<sub>7</sub> = 1978 EH<sub>2</sub> = 1980 RV = 1985 RC<sub>5</sub> = 1988 EC<sub>2</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

| <i>M</i> | 354.34462  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.18835362 | $\omega$ | 195.32509 | +0.90847016   | -0.41696389 |
| <i>a</i> | 3.0140705  | $\Omega$ | 189.47127 | +0.39945301   | +0.88641187 |
| <i>e</i> | 0.1003404  | <i>i</i> | 10.04071  | +0.12296039   | +0.20103512 |
| <i>P</i> | 5.23       | <i>H</i> | 12.0      | <i>G</i> 0.15 | <i>U</i> 2  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 780305 095 | 1.3- | 0.5- | 880314 033 | 0.5+ | 0.4+ | 961011 385 | 0.3- | 0.2+ |
| 800907 688 | 0.2- | 0.8- | 880314 033 | 0.6+ | 0.4- | 961015 385 | 0.7- | 0.4- |
| 800907 688 | 0.1+ | 0.3- | 961005 905 | 1.0+ | 0.2+ | 961015 385 | 0.4- | 0.4- |
| 800917 688 | 0.9+ | 1.9- | 961005 905 | 0.2+ | 0.5+ | 961015 385 | 0.1- | 0.2- |
| 850907 413 | 0.2+ | 0.5+ | 961011 385 | 0.2- | 0.4+ |            |      |      |
| 850907 413 | 0.0  | 1.9+ | 961011 385 | 0.3- | 0.4+ |            |      |      |

**1996 TW<sub>8</sub> = 1989 AS**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 306.64455  |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.22572511 | $\omega$ | 155.28640 | +0.10768710   | -0.93148513 |
| <i>a</i> | 2.6714648  | $\Omega$ | 286.95460 | +0.84102863   | +0.27173277 |
| <i>e</i> | 0.0680975  | <i>i</i> | 21.30078  | +0.53016443   | -0.24186103 |
| <i>P</i> | 4.37       | <i>H</i> | 12.5      | <i>G</i> 0.15 | <i>U</i> 6  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 890104 399 | 0.4+  | 0.8+  | 890113 399 | 2.2- | 0.5- | 961016 693 | 0.1- | 1.4+ |
| 890104 399 | 1.1-  | 0.4-  | 961010 693 | 0.5+ | 0.8- | 961016 693 | 0.5+ | 0.4+ |
| 890104 399 | 1.3+  | 0.5+  | 961010 693 | 0.1+ | 2.3- | 961017 657 | 1.3+ | 0.4- |
| 890106 399 | (0.4+ | 2.6-) | 961011 693 | 2.1- | 1.3- | 961017 657 | 0.8+ | 0.6+ |
| 890106 399 | 0.5+  | 0.6-  | 961011 693 | 1.7- | 0.7+ | 961017 657 | 0.5+ | 0.9+ |
| 890106 399 | 1.6+  | 0.9-  | 961012 693 | 0.7- | 0.4- | 961017 657 | 1.5+ | 0.6+ |
| 890113 399 | (3.1- | 0.3+) | 961012 693 | 1.1- | 0.3+ |            |      |      |
| 890113 399 | 0.5-  | 1.1+  | 961014 693 | 0.6+ | 0.3+ |            |      |      |

**1996 TT<sub>11</sub> = 1992 VB**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

| <i>M</i> | 28.25826   |          | (2000.0)  | <b>P</b>      | <b>Q</b>    |
|----------|------------|----------|-----------|---------------|-------------|
| <i>n</i> | 0.23371671 | $\omega$ | 149.79206 | +0.98193686   | +0.18898763 |
| <i>a</i> | 2.6102145  | $\Omega$ | 199.32061 | -0.17865947   | +0.91018632 |
| <i>e</i> | 0.1511361  | <i>i</i> | 1.58435   | -0.06229606   | +0.36857093 |
| <i>P</i> | 4.22       | <i>H</i> | 14.0      | <i>G</i> 0.15 | <i>U</i> 6  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 921028 400 | 0.8+ | 0.0  | 961013 684 | 0.0  | 0.2+ | 961015 684 | 0.0  | 0.2+ |
| 921028 400 | 0.2+ | 0.8+ | 961013 684 | 0.0  | 0.0  | 961016 684 | 0.0  | 0.4- |
| 921028 399 | 0.7- | 0.8- | 961014 684 | 0.2- | 0.1- | 961016 684 | 0.0  | 0.2- |
| 921028 399 | 0.3- | 0.2- | 961014 684 | 0.0  | 0.1- | 961016 684 | 0.1+ | 0.2- |
| 921102 399 | 0.8+ | 0.9+ | 961015 684 | 0.0  | 0.3+ |            |      |      |
| 921102 399 | 0.8- | 0.7- | 961015 684 | 0.0  | 0.2+ |            |      |      |

**2607 P-L = 1996 PV<sub>9</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 327.29294  |          | (2000.0)  | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.21799503 | $\omega$ | 218.79287 | +0.62764419 | -0.77815635 |          |   |
| <i>a</i> | 2.7342506  | $\Omega$ | 192.38829 | +0.73844425 | +0.60449869 |          |   |
| <i>e</i> | 0.2011658  | <i>i</i> | 6.19204   | +0.24650124 | +0.17045241 |          |   |
| <i>P</i> | 4.52       | <i>H</i> | 14.5      | <i>G</i>    | 0.15        | <i>U</i> | 5 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.2+ | 0.1- | 601022 | 675 | 0.1+ | 0.4- | 960812 | 358 | 1.6+ | 1.3- |
| 600926 | 675 | 0.1+ | 0.5- | 601025 | 675 | 0.3+ | 0.3+ | 960812 | 358 | 0.6- | 0.2- |
| 600928 | 675 | 0.1- | 0.4+ | 601026 | 675 | 0.2- | 0.3- | 960818 | 358 | 0.4- | 0.5+ |
| 600928 | 675 | 0.3- | 0.2+ | 960811 | 358 | 0.3+ | 0.2+ | 960818 | 358 | 0.4+ | 0.8- |
| 601017 | 675 | 0.1- | 0.4+ | 960811 | 358 | 1.2- | 1.6+ |        |     |      |      |

**4522 P-L = 1996 RC<sub>25</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 11.31837   |          | (2000.0)  | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.21802250 | $\omega$ | 342.18514 | +0.97957868 | +0.20082407 |          |   |
| <i>a</i> | 2.7340210  | $\Omega$ | 6.25411   | -0.17184104 | +0.86143761 |          |   |
| <i>e</i> | 0.0692035  | <i>i</i> | 5.14148   | -0.10438521 | +0.46647071 |          |   |
| <i>P</i> | 4.52       | <i>H</i> | 14.5      | <i>G</i>    | 0.15        | <i>U</i> | 5 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.6+ | 0.9- | 601022 | 675 | 0.1- | 0.9- | 960911 | 566 | 0.6+ | 0.2- |
| 600926 | 675 | 0.8+ | 0.0  | 601024 | 675 | 0.0  | 0.3- | 960917 | 691 | 0.1+ | 0.3+ |
| 600927 | 675 | 0.1+ | 0.7+ | 601026 | 675 | 0.3+ | 0.2+ | 960917 | 691 | 0.7- | 0.4+ |
| 600928 | 675 | 0.7- | 0.4+ | 960911 | 566 | 0.3+ | 0.3- | 960917 | 691 | 0.8- | 0.3+ |
| 601017 | 675 | 1.1- | 0.7+ | 960911 | 566 | 0.4+ | 0.4- |        |     |      |      |

**6700 P-L = 1996 UV**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 340.90833  |          | (2000.0) | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|----------|-------------|-------------|----------|---|
| <i>n</i> | 0.22066488 | $\omega$ | 45.28962 | +0.51116808 | -0.85937379 |          |   |
| <i>a</i> | 2.7121512  | $\Omega$ | 13.98675 | +0.77184931 | +0.45205243 |          |   |
| <i>e</i> | 0.0938982  | <i>i</i> | 3.21620  | +0.37809502 | +0.23900897 |          |   |
| <i>P</i> | 4.47       | <i>H</i> | 15.0     | <i>G</i>    | 0.15        | <i>U</i> | 5 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.8- | 0.0  | 601022 | 675 | 0.2- | 0.8+ | 961018 | 589 | 0.3- | 0.2+ |
| 600926 | 675 | 0.4- | 0.4- | 601026 | 675 | 0.3- | 0.3- | 961018 | 589 | 0.1+ | 0.0  |
| 600927 | 675 | 1.2+ | 0.7+ | 961018 | 589 | 0.4- | 0.4- | 961018 | 589 | 0.3+ | 0.3+ |
| 600928 | 675 | 0.0  | 0.5- | 961018 | 589 | 0.5+ | 0.0  | 961019 | 589 | 0.2- | 0.6- |
| 601017 | 675 | 0.5+ | 0.3- | 961018 | 589 | 0.1+ | 0.1- | 961019 | 589 | 0.0  | 0.5+ |

**6809 P-L = 1996 PL<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 56.07494   |          | (2000.0)  | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.29862474 | $\omega$ | 193.00611 | +0.03933394 | +0.99907494 |          |   |
| <i>a</i> | 2.2167609  | $\Omega$ | 79.25012  | -0.91518097 | +0.04300284 |          |   |
| <i>e</i> | 0.1262728  | <i>i</i> | 1.01371   | -0.40111922 | -0.00014417 |          |   |
| <i>P</i> | 3.30       | <i>H</i> | 17.0      | <i>G</i>    | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 600924 | 675 | 0.3+ | 0.4- | 960813 | 735 | 0.5+ | 0.2- | 960907 | 735 | 0.7- | 1.1- |
| 600926 | 675 | 0.1+ | 0.7- | 960816 | 735 | 1.5- | 0.1- | 960907 | 735 | 0.4+ | 0.9- |
| 600927 | 675 | 0.4- | 0.9+ | 960816 | 735 | 0.1+ | 0.2+ | 960907 | 735 | 1.8+ | 1.4- |
| 600928 | 675 | 0.0  | 0.1+ | 960816 | 735 | 0.0  | 0.5+ | 960908 | 735 | 1.0- | 0.4+ |

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 601026 | 675 | 0.2+ | 0.4- | 960818 | 735 | 0.2- | 0.2+ | 960908 | 735 | 0.2- | 0.1- |
| 960811 | 735 | 0.7- | 0.2- | 960818 | 735 | 0.3+ | 0.0  | 960908 | 735 | 0.1+ | 1.5+ |
| 960811 | 735 | 0.3+ | 0.3- | 960818 | 735 | 0.4+ | 0.6- | 960915 | 735 | 0.1- | 0.5+ |
| 960811 | 735 | 1.0+ | 0.8- | 960821 | 735 | 0.5- | 0.2+ | 960915 | 735 | 0.6+ | 1.1+ |
| 960813 | 735 | 0.1+ | 0.1- | 960821 | 735 | 0.4+ | 0.1+ | 960915 | 735 | 1.1- | 1.7+ |
| 960813 | 735 | 0.2+ | 0.1- | 960821 | 735 | 0.2- | 0.1+ |        |     |      |      |

**1055 T-2 = 1991 RP<sub>39</sub> = 1996 TX**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 37.49351   |          | (2000.0)  | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|-----------|-------------|-------------|----------|---|
| <i>n</i> | 0.21510508 | $\omega$ | 343.51570 | +0.91364662 | +0.40647319 |          |   |
| <i>a</i> | 2.7586860  | $\Omega$ | 352.49406 | -0.36812406 | +0.82164324 |          |   |
| <i>e</i> | 0.1049676  | <i>i</i> | 2.37862   | -0.17243702 | +0.39960221 |          |   |
| <i>P</i> | 4.58       | <i>H</i> | 15.0      | <i>G</i>    | 0.15        | <i>U</i> | 4 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 730919 | 675 | 0.4+ | 0.8- | 730930 | 675 | 1.0- | 0.2+ | 961005 | 817 | 0.0  | 0.6+ |
| 730919 | 675 | 0.5+ | 0.8+ | 730930 | 675 | 0.9- | 0.3- | 961005 | 817 | 0.0  | 0.8+ |
| 730920 | 675 | 1.8+ | 0.4- | 731004 | 675 | 0.3+ | 0.9- | 961005 | 817 | 0.5+ | 0.4+ |
| 730924 | 675 | 0.9+ | 0.5- | 731004 | 675 | 1.0+ | 1.5- | 961006 | 817 | 0.7- | 1.2+ |
| 730924 | 675 | 0.2+ | 0.0  | 731005 | 675 | 0.2- | 0.3+ | 961006 | 817 | 0.3- | 1.2+ |
| 730925 | 675 | 2.2- | 1.1+ | 731005 | 675 | 1.1- | 1.2- | 961006 | 817 | 0.6- | 1.0+ |
| 730925 | 675 | 0.9+ | 0.7+ | 910906 | 809 | 1.3+ | 0.1+ | 961007 | 817 | 0.4- | 0.5- |
| 730929 | 675 | 0.3+ | 0.4- | 910906 | 809 | 0.3- | 0.1+ | 961007 | 817 | 0.4- | 0.6- |
| 730929 | 675 | 0.9+ | 1.3- | 910906 | 809 | 1.3- | 0.7+ | 961007 | 817 | 0.1- | 0.4- |

**2034 T-2 = 1996 TV<sub>5</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

| <i>M</i> | 292.60057  |          | (2000.0) | <b>P</b>    |             | <b>Q</b> |   |
|----------|------------|----------|----------|-------------|-------------|----------|---|
| <i>n</i> | 0.17551136 | $\omega$ | 70.04422 | -0.59721584 | -0.80194974 |          |   |
| <i>a</i> | 3.1593608  | $\Omega$ | 56.63498 | +0.72925720 | -0.55042387 |          |   |
| <i>e</i> | 0.1446477  | <i>i</i> | 0.99386  | +0.33394188 | -0.23218566 |          |   |
| <i>P</i> | 5.62       | <i>H</i> | 13.5     | <i>G</i>    | 0.15        | <i>U</i> | 7 |

Residuals in seconds of arc

|        |     |      |      |        |     |      |      |        |     |      |      |
|--------|-----|------|------|--------|-----|------|------|--------|-----|------|------|
| 730919 | 675 | 1.0+ | 1.3+ | 730929 | 675 | 0.8- | 0.3- | 731004 | 675 | 0.3+ | 1.9+ |
| 730919 | 675 | 0.7- | 1.4+ | 730929 | 675 | 0.7+ | 2.8- | 731005 | 675 | 0.0  | 1.8- |
| 730919 | 675 | 0.3+ | 1.0+ | 730929 | 675 | 0.7- | 0.1- | 731005 | 675 | 1.4+ | 0.0  |
| 730919 | 675 | 2.1- | 0.3+ | 730929 | 675 | 0.9+ | 1.8- | 731005 | 675 | 1.5- | 1.1+ |
| 730920 | 675 | 0.0  | 0.9+ | 730930 | 675 | 1.3- | 1.1- | 731005 | 675 | 0.7+ | 1.1- |
| 730924 | 675 | 0.1+ | 0.7- | 730930 | 675 | 1.5+ | 1.0+ | 731005 | 675 | 0.8- | 0.5+ |
| 730924 | 675 | 0.2+ | 0.7+ | 730930 | 675 | 0.2- | 0.4+ | 731005 | 675 | 1.0- | 0.3+ |
| 730924 | 675 | 0.9+ | 0.5- | 730930 | 675 | 2.2- | 0.7- | 961003 | 327 | 0.3+ | 0.2- |
| 730924 | 675 | 0.5+ | 0.2+ | 730930 | 675 | 0.7+ | 0.7- | 961003 | 327 | 0.1- | 0.2- |
| 730925 | 675 | 1.9+ | 0.8- | 730930 | 675 | 0.7+ | 1.3+ | 961003 | 327 | 0.0  | 0.2- |
| 730925 | 675 | 1.4- | 0.4- | 731004 | 675 | 0.6+ | 2.7+ | 961005 | 327 | 0.0  | 0.5+ |
| 730925 | 675 | 1.1+ | 1.4- | 731004 | 675 | 1.5- | 0.2- | 961005 | 327 | 0.5- | 0.3+ |
| 730925 | 675 | 1.5- | 0.1- | 731004 | 675 | 2.4+ | 0.4- | 961005 | 327 | 0.2+ | 0.1- |

**2225 T-2 = 3087 T-3**Id. D. W. E. Green (*MPC* 14966)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 144.33850  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.25595961 | $\omega$ 200.82931 | -0.79444141   | +0.60724456 |
| <i>a</i> | 2.4567168  | $\Omega$ 16.57504  | -0.55172632   | -0.71413777 |
| <i>e</i> | 0.1353567  | <i>i</i> 2.17205   | -0.25389154   | -0.34822592 |
| <i>P</i> | 3.85       | <i>H</i> 15.0      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 730919 675 | 2.3+  | 1.8-  | 730930 675 | 0.6- | 0.2- | 771017 675 | 0.6- | 0.1+ |
| 730919 675 | (3.1+ | 1.8-) | 731004 675 | 0.6+ | 0.7- | 771021 675 | 0.4+ | 0.7+ |
| 730920 675 | (3.7+ | 2.9-) | 731004 675 | 0.1+ | 0.1+ | 771021 675 | 0.9- | 1.8+ |
| 730924 675 | 1.0-  | 0.4+  | 731005 675 | 0.5+ | 0.7- | 960915 691 | 0.2+ | 0.1+ |
| 730924 675 | 0.8-  | 1.8+  | 731005 675 | 0.6+ | 1.0- | 960915 691 | 0.2- | 0.6+ |
| 730925 675 | 1.6+  | 1.0-  | 771012 675 | 1.2- | 0.9+ | 960915 691 | 0.1- | 0.5+ |
| 730925 675 | 0.1-  | 2.4-  | 771012 675 | 0.6- | 1.0+ | 960919 691 | 0.4- | 0.4+ |
| 730929 675 | 0.1+  | 0.6+  | 771016 675 | 0.5+ | 1.5- | 960919 691 | 0.4- | 0.3+ |
| 730929 675 | 1.3-  | 0.4+  | 771016 675 | 0.7+ | 1.8- | 960919 691 | 0.3- | 0.5+ |
| 730930 675 | 0.1+  | 0.4+  | 771017 675 | 0.9+ | 0.4+ |            |      |      |

**3163 T-2 = 1996 TL<sub>8</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 204.45921  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17417674 | $\omega$ 110.68417 | -0.99375506   | +0.09423020 |
| <i>a</i> | 3.1754792  | $\Omega$ 74.76050  | -0.11053853   | -0.90447633 |
| <i>e</i> | 0.1343882  | <i>i</i> 3.55121   | +0.01523554   | -0.41598466 |
| <i>P</i> | 5.66       | <i>H</i> 14.5      | <i>G</i> 0.15 | <i>U</i> 6  |

Residuals in seconds of arc

|            |       |       |            |      |      |            |      |      |
|------------|-------|-------|------------|------|------|------------|------|------|
| 730919 675 | 0.6+  | 2.0+  | 730929 675 | 0.5+ | 0.7+ | 731005 675 | 0.5+ | 0.0  |
| 730919 675 | (0.2- | 3.1+) | 730929 675 | 0.6- | 0.1- | 961009 566 | 1.4+ | 0.0  |
| 730920 675 | 0.4+  | 0.4+  | 730930 675 | 1.4+ | 0.3- | 961009 566 | 0.2- | 0.1- |
| 730924 675 | 1.9-  | 0.7+  | 730930 675 | 1.0- | 1.2- | 961009 566 | 0.4- | 0.1- |
| 730924 675 | 0.1+  | 0.3+  | 731004 675 | 0.9+ | 0.1- | 961013 566 | 0.4+ | 0.1+ |
| 730925 675 | 0.1+  | 0.3-  | 731004 675 | 0.0  | 2.0- | 961013 566 | 0.5- | 0.0  |
| 730925 675 | 1.3-  | 0.4+  | 731005 675 | 0.4+ | 0.8- | 961013 566 | 0.7- | 0.5+ |

**4283 T-2 = 1996 TU<sub>1</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 272.93888  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.17238544 | $\omega$ 11.37255  | -0.53900686   | -0.84132265 |
| <i>a</i> | 3.1974394  | $\Omega$ 111.25537 | +0.76933982   | -0.51136513 |
| <i>e</i> | 0.1572718  | <i>i</i> 2.49637   | +0.34291083   | -0.17516251 |
| <i>P</i> | 5.72       | <i>H</i> 14.0      | <i>G</i> 0.15 | <i>U</i> 7  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 730919 675 | 0.0  | 0.6- | 730925 675 | 0.3- | 0.3- | 961003 327 | 0.4- | 0.0  |
| 730919 675 | 0.8+ | 0.6+ | 730929 675 | 0.4- | 2.3- | 961003 327 | 0.4+ | 0.0  |
| 730919 675 | 0.6+ | 0.6- | 730929 675 | 0.3+ | 0.3- | 961003 327 | 0.3+ | 0.5- |
| 730919 675 | 0.1- | 0.4+ | 730930 675 | 1.4+ | 0.5- | 961005 327 | 0.1- | 0.1+ |
| 730920 675 | 0.4- | 0.3- | 731004 675 | 2.0+ | 0.1+ | 961005 327 | 0.1+ | 0.1- |
| 730924 675 | 0.5- | 0.3+ | 731004 675 | 0.4+ | 0.9+ | 961005 327 | 0.2- | 0.1+ |
| 730924 675 | 0.7- | 0.9+ | 731005 675 | 1.2- | 0.3+ |            |      |      |
| 730925 675 | 0.5- | 1.2+ | 731005 675 | 1.4- | 0.4+ |            |      |      |

**5159 T-2 = 1996 SQ<sub>7</sub>**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

| <i>M</i> | 333.11440  | (2000.0)           | <b>P</b>      | <b>Q</b>    |
|----------|------------|--------------------|---------------|-------------|
| <i>n</i> | 0.08444008 | $\omega$ 68.45502  | +0.83773565   | -0.53517090 |
| <i>a</i> | 5.1456109  | $\Omega$ 323.65095 | +0.40821296   | +0.74581319 |
| <i>e</i> | 0.0071674  | <i>i</i> 10.55656  | +0.36271362   | +0.39667971 |
| <i>P</i> | 11.67      | <i>H</i> 11.5      | <i>G</i> 0.15 | <i>U</i> 5  |

Residuals in seconds of arc

|            |      |      |            |      |      |            |      |      |
|------------|------|------|------------|------|------|------------|------|------|
| 730920 675 | 1.3+ | 1.1- | 730930 675 | 0.0  | 0.6- | 961006 816 | 0.7- | 0.1- |
| 730920 675 | 1.8+ | 2.1- | 731004 675 | 0.7- | 1.1- | 961006 816 | 0.5- | 0.1- |
| 730924 675 | 1.4- | 1.3+ | 731004 675 | 0.7- | 0.7- | 961006 816 | 0.2- | 0.3- |
| 730924 675 | 0.1- | 1.2+ | 731005 675 | 1.0+ | 1.4+ | 961006 816 | 0.2- | 0.2- |
| 730925 675 | 1.0- | 0.9+ | 731005 675 | 0.9+ | 0.1- | 961007 816 | 0.8+ | 0.4+ |
| 730925 675 | 2.0- | 0.3+ | 960930 549 | 0.9- | 0.0  | 961007 816 | 0.2+ | 0.1+ |
| 730929 675 | 0.1+ | 0.6+ | 960930 549 | 0.6- | 0.8- | 961007 816 | 0.4- | 0.3- |
| 730929 675 | 0.1+ | 0.7+ | 961004 549 | 1.0+ | 1.1+ | 961007 816 | 0.2+ | 0.5- |
| 730930 675 | 0.7+ | 0.8- | 961004 549 | 1.3+ | 0.8+ |            |      |      |

| Object                | <i>H</i> | Epoch  | <i>M</i>  | $\omega$  | $\Omega$  | <i>i</i> | <i>e</i>  | <i>a</i>  | Obs. | Opp. | & Arc     | rms  | Perts | <i>U</i> | Computer | <i>MPC</i> | Object                |
|-----------------------|----------|--------|-----------|-----------|-----------|----------|-----------|-----------|------|------|-----------|------|-------|----------|----------|------------|-----------------------|
| 1943 DF               | 13.5     | 961113 | 329.33441 | 129.53601 | 359.65636 | 22.54497 | 0.3396466 | 2.3509701 | 34   | 5    | 1943-1996 | 0.79 | M-v   | 2        | Williams | 22967      | 1943 DF               |
| 1972 TF               | 14.5     | 961113 | 30.45480  | 189.42234 | 179.43101 | 4.50260  | 0.1874869 | 2.2639449 | 32   | 6    | 1950-1996 | 0.80 | M-v   | 2        | Williams | 25077      | 1972 TF               |
| 1975 SA <sub>1</sub>  | 12.5     | 961113 | 148.28292 | 225.12185 | 26.25143  | 10.41670 | 0.0577986 | 2.9910158 | 20   | 8    | 1952-1996 | 0.85 | M-v   | 1        | Williams | 27929      | 1975 SA <sub>1</sub>  |
| 1975 SF <sub>1</sub>  | 13.5     | 961113 | 108.29585 | 246.73354 | 29.89035  | 8.49586  | 0.1380353 | 2.5884321 | 14   | 5    | 1957-1996 | 0.78 | M-v   | 2        | Williams | 25438      | 1975 SF <sub>1</sub>  |
| 1975 SU <sub>1</sub>  | 13.0     | 961113 | 71.10445  | 1.51969   | 173.68394 | 1.42784  | 0.1126206 | 3.2451431 | 20   | 2    | 1975-1996 | 0.84 | M-v   | 6        | Marsden  | 27552      | 1975 SU <sub>1</sub>  |
| 1975 VK <sub>2</sub>  | 12.5     | 961113 | 32.27122  | 278.85479 | 84.44992  | 2.93895  | 0.1000016 | 3.0001100 | 44   | 7    | 1950-1996 | 0.67 | M-v   | 1        | Williams | 25438      | 1975 VK <sub>2</sub>  |
| 1976 SA <sub>6</sub>  | 14.5     | 961113 | 93.35071  | 236.34338 | 32.46242  | 2.56490  | 0.1080237 | 2.2456130 | 43   | 6    | 1976-1996 | 0.58 | M-v   | 1        | Williams | 27930      | 1976 SA <sub>6</sub>  |
| 1976 UB <sub>1</sub>  | 12.5     | 961113 | 196.52519 | 31.29766  | 151.70647 | 12.98054 | 0.1714060 | 2.6238179 | 29   | 6    | 1952-1996 | 0.81 | M-v   | 1        | Bardwell | 27930      | 1976 UB <sub>1</sub>  |
| 1976 UP <sub>2</sub>  | 15.5     | 961113 | 21.65383  | 349.04577 | 26.47013  | 5.03332  | 0.2017088 | 2.2279551 | 12   | 3    | 1976-1996 | 0.69 | M-v   | 5        | Marsden  | 15699      | 1976 UP <sub>2</sub>  |
| 1977 DX <sub>3</sub>  | 12.0     | 961113 | 92.62991  | 178.65232 | 89.92556  | 2.31595  | 0.1576140 | 3.1458979 | 22   | 8    | 1977-1996 | 0.83 | M-v   | 1        | Williams | 27930      | 1977 DX <sub>3</sub>  |
| 1977 EX               | 12.5     | 961113 | 196.07252 | 229.50214 | 304.96790 | 12.11909 | 0.1061135 | 2.6520020 | 19   | 5    | 1977-1996 | 0.55 | M-v   | 1        | Williams | 23535      | 1977 EX               |
| 1977 FN               | 13.0     | 961113 | 115.28802 | 354.10065 | 266.95115 | 12.35676 | 0.1376610 | 2.6730988 | 12   | 3    | 1977-1996 | 0.46 | M-v   | 5        | Williams | 19012      | 1977 FN               |
| 1978 NY <sub>7</sub>  | 12.5     | 961113 | 62.86092  | 217.13269 | 96.35199  | 2.73579  | 0.1902505 | 3.1962082 | 43   | 7    | 1978-1996 | 0.79 | M-v   | 1        | Williams | 23535      | 1978 NY <sub>7</sub>  |
| 1978 VH <sub>10</sub> | 14.5     | 961113 | 253.03170 | 306.93576 | 85.40879  | 3.15923  | 0.0694944 | 2.9185840 | 13   | 2    | 1978-1995 | 0.39 | M-v   | 5        | Williams | 27908      | 1978 VH <sub>10</sub> |
| 1979 MZ <sub>2</sub>  | 14.0     | 961113 | 277.93253 | 329.48215 | 154.69034 | 2.28523  | 0.0837154 | 2.5326864 | 27   | 7    | 1954-1996 | 0.70 | M-v   | 1        | Williams | 27725      | 1979 MZ <sub>2</sub>  |
| 1979 MK <sub>3</sub>  | 13.0     | 961113 | 248.73805 | 333.04043 | 133.95253 | 6.14976  | 0.1258126 | 3.1094620 | 29   | 5    | 1955-1996 | 0.83 | M-v   | 1        | Williams | 25536      | 1979 MK <sub>3</sub>  |

|                       |      |        |           |           |           |          |           |           |    |   |           |      |     |   |          |       |                       |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1979 MG <sub>4</sub>  | 13.5 | 961113 | 107.33399 | 81.93731  | 162.45833 | 1.66408  | 0.1412122 | 3.0928583 | 17 | 2 | 1979–1996 | 0.62 | M-v | 5 | Williams | 27908 | 1979 MG <sub>4</sub>  |
| 1979 SR <sub>2</sub>  | 13.0 | 961113 | 31.76414  | 58.12980  | 319.43719 | 3.01565  | 0.2602784 | 3.1208277 | 18 | 5 | 1979–1996 | 0.93 | M-v | 2 | Williams | 22270 | 1979 SR <sub>2</sub>  |
| 1979 SW <sub>2</sub>  | 12.0 | 961113 | 23.27394  | 339.38060 | 3.63809   | 16.06594 | 0.1217300 | 3.1921189 | 19 | 4 | 1971–1996 | 0.96 | M-v | 2 | Williams | 21965 | 1979 SW <sub>2</sub>  |
| 1979 SP <sub>14</sub> | 12.5 | 961113 | 328.94762 | 272.41394 | 109.84375 | 2.70258  | 0.1036338 | 3.2182509 | 37 | 8 | 1954–1996 | 0.79 | M-v | 1 | Williams | 27118 | 1979 SP <sub>14</sub> |
| 1980 DD <sub>1</sub>  | 12.5 | 961113 | 156.15434 | 208.60314 | 30.65773  | 9.63552  | 0.1020680 | 2.7797897 | 48 | 5 | 1952–1996 | 0.81 | M-v | 2 | Marsden  | 25536 | 1980 DD <sub>1</sub>  |
| 1980 VO               | 13.5 | 961113 | 342.07983 | 348.01829 | 38.70822  | 9.92740  | 0.3203956 | 2.5515231 | 28 | 4 | 1980–1996 | 0.84 | M-v | 3 | Williams | 27930 | 1980 VO               |
| 1980 VX <sub>2</sub>  | 13.5 | 961113 | 235.50991 | 287.77076 | 225.42336 | 24.90306 | 0.0636691 | 2.5404547 | 27 | 6 | 1954–1996 | 0.81 | M-v | 2 | Williams | 27725 | 1980 VX <sub>2</sub>  |
| 1980 WE <sub>5</sub>  | 12.5 | 961113 | 317.90307 | 192.13335 | 230.12984 | 14.17202 | 0.1006216 | 3.1303383 | 11 | 4 | 1974–1996 | 0.77 | M-v | 2 | Williams | 23667 | 1980 WE <sub>5</sub>  |
| 1981 EO <sub>8</sub>  | 13.5 | 961113 | 311.91236 | 157.87118 | 284.90403 | 3.86600  | 0.1656380 | 2.6350861 | 33 | 4 | 1979–1996 | 0.90 | M-v | 2 | Williams | 21966 | 1981 EO <sub>8</sub>  |
| 1981 EV <sub>8</sub>  | 15.0 | 961113 | 20.14299  | 134.66121 | 212.41052 | 5.52162  | 0.1950437 | 2.2900093 | 24 | 6 | 1978–1996 | 1.04 | M-v | 2 | Bardwell | 25438 | 1981 EV <sub>8</sub>  |
| 1981 EU <sub>19</sub> | 14.5 | 961113 | 78.87580  | 288.27753 | 346.08057 | 5.40412  | 0.1389152 | 2.3137641 | 47 | 5 | 1981–1996 | 0.84 | M-v | 2 | Williams | 27930 | 1981 EU <sub>19</sub> |
| 1981 EC <sub>21</sub> | 15.0 | 961113 | 294.97100 | 75.67276  | 11.88196  | 4.90862  | 0.1713759 | 2.6493561 | 22 | 4 | 1977–1996 | 0.90 | M-v | 3 | Williams | 21967 | 1981 EC <sub>21</sub> |
| 1981 EG <sub>21</sub> | 13.0 | 961113 | 303.21392 | 246.96861 | 160.70916 | 5.98405  | 0.0895979 | 3.3889599 | 20 | 3 | 1981–1996 | 0.88 | M-v | 4 | Williams | 17818 | 1981 EG <sub>21</sub> |
| 1981 EY <sub>28</sub> | 14.0 | 961113 | 350.22358 | 36.76333  | 335.13424 | 14.48293 | 0.2021770 | 2.6984356 | 30 | 3 | 1981–1996 | 0.71 | M-v | 3 | Williams | 27908 | 1981 EY <sub>28</sub> |
| 1981 EY <sub>35</sub> | 14.5 | 961113 | 151.30945 | 231.99582 | 2.23292   | 3.88999  | 0.1417374 | 2.2820454 | 43 | 7 | 1953–1996 | 0.77 | M-v | 3 | Williams | 25225 | 1981 EY <sub>35</sub> |
| 1981 ED <sub>37</sub> | 14.5 | 961113 | 31.61180  | 291.19721 | 28.96968  | 4.07939  | 0.2156240 | 2.3168394 | 25 | 6 | 1975–1996 | 1.01 | M-v | 3 | Bardwell | 27931 | 1981 ED <sub>37</sub> |
| 1981 GO               | 14.0 | 961113 | 159.34807 | 355.31200 | 161.18926 | 3.34865  | 0.0620437 | 2.3416709 | 50 | 8 | 1954–1995 | 0.82 | M-v | 1 | Williams | 27909 | 1981 GO               |
| 1981 QA <sub>1</sub>  | 13.5 | 961113 | 333.37905 | 240.79089 | 176.90640 | 7.93459  | 0.1178426 | 2.3962911 | 38 | 6 | 1976–1996 | 0.68 | M-v | 1 | Williams | 27931 | 1981 QA <sub>1</sub>  |
| 1981 RF               | 14.0 | 961113 | 358.60625 | 238.86094 | 117.98797 | 3.41342  | 0.1892300 | 2.4310281 | 27 | 5 | 1981–1996 | 0.98 | M-v | 2 | Bardwell | 27726 | 1981 RF               |
| 1981 VU               | 14.5 | 961113 | 338.53675 | 207.05519 | 200.75470 | 1.97709  | 0.1913910 | 2.4356513 | 24 | 5 | 1977–1996 | 0.78 | M-v | 1 | Williams | 27931 | 1981 VU               |
| 1982 HJ               | 13.5 | 961113 | 66.32998  | 202.68539 | 58.67609  | 7.72863  | 0.1805450 | 2.2580457 | 19 | 6 | 1949–1996 | 0.78 | M-v | 2 | Williams | 22949 | 1982 HJ               |
| 1982 KK <sub>1</sub>  | 14.0 | 961113 | 25.30921  | 204.70927 | 96.67723  | 4.97442  | 0.0983611 | 2.2739876 | 14 | 4 | 1982–1996 | 0.75 | M-v | 2 | Williams | 27931 | 1982 KK <sub>1</sub>  |
| 1982 RW <sub>1</sub>  | 15.0 | 961113 | 7.62779   | 343.28680 | 11.30997  | 5.09904  | 0.1839786 | 2.3142394 | 37 | 5 | 1954–1996 | 0.71 | M-v | 3 | Williams | 27931 | 1982 RW <sub>1</sub>  |
| 1982 SA <sub>4</sub>  | 13.5 | 961113 | 74.59243  | 300.09483 | 33.99883  | 4.95941  | 0.1922448 | 2.2711874 | 24 | 7 | 1941–1996 | 0.98 | M-v | 2 | Williams | 27931 | 1982 SA <sub>4</sub>  |
| 1982 SL <sub>6</sub>  | 13.0 | 961113 | 61.12686  | 338.84931 | 8.68465   | 5.36683  | 0.0747764 | 2.7400060 | 30 | 5 | 1982–1996 | 0.76 | M-v | 1 | Williams | 27931 | 1982 SL <sub>6</sub>  |
| 1982 UE <sub>7</sub>  | 13.0 | 961113 | 225.48056 | 222.47477 | 173.17711 | 1.31791  | 0.1869512 | 3.0860621 | 29 | 5 | 1982–1996 | 0.69 | M-v | 2 | Marsden  | 27454 | 1982 UE <sub>7</sub>  |
| 1983 CY <sub>2</sub>  | 12.0 | 961113 | 307.51046 | 115.71674 | 326.42959 | 9.18208  | 0.0619871 | 2.9931536 | 30 | 5 | 1955–1996 | 0.73 | M-v | 1 | Williams | 27931 | 1983 CY <sub>2</sub>  |
| 1983 RE               | 13.5 | 961113 | 74.05850  | 337.49865 | 289.72624 | 5.52403  | 0.1545443 | 2.1935709 | 23 | 4 | 1983–1996 | 0.93 | M-v | 2 | Bardwell | 25647 | 1983 RE               |
| 1983 RZ <sub>1</sub>  | 14.5 | 961113 | 35.63995  | 296.87769 | 16.02611  | 3.85846  | 0.1909171 | 2.2001077 | 29 | 5 | 1908–1996 | 1.03 | M-v | 2 | Williams | 27931 | 1983 RZ <sub>1</sub>  |
| 1983 RM <sub>2</sub>  | 14.0 | 961113 | 41.14494  | 239.55830 | 97.28954  | 3.79682  | 0.2214076 | 2.6180300 | 25 | 6 | 1982–1996 | 0.92 | M-v | 1 | Williams | 25078 | 1983 RM <sub>2</sub>  |
| 1983 RX <sub>4</sub>  | 14.5 | 961113 | 2.77520   | 107.43972 | 254.71205 | 5.28455  | 0.2036539 | 2.2068462 | 17 | 4 | 1957–1996 | 0.92 | M-v | 2 | Bardwell | 27931 | 1983 RX <sub>4</sub>  |
| 1983 TC               | 12.5 | 961113 | 356.21971 | 124.96654 | 229.26892 | 11.90376 | 0.1948018 | 2.6943569 | 22 | 4 | 1979–1996 | 1.06 | M-v | 2 | Marsden  | 27910 | 1983 TC               |
| 1984 EU <sub>1</sub>  | 14.5 | 961113 | 266.86056 | 169.78258 | 333.91683 | 3.58318  | 0.1390033 | 2.2836822 | 25 | 3 | 1984–1996 | 0.52 | M-v | 4 | Williams | 23122 | 1984 EU <sub>1</sub>  |
| 1984 SR <sub>5</sub>  | 13.0 | 961113 | 19.17489  | 342.50140 | 17.55229  | 5.47540  | 0.1115448 | 3.2377818 | 52 | 3 | 1984–1996 | 0.63 | M-v | 4 | Williams | 22076 | 1984 SR <sub>5</sub>  |
| 1984 SY <sub>5</sub>  | 12.0 | 961113 | 19.45512  | 251.11726 | 117.44889 | 2.38702  | 0.1464756 | 3.2497003 | 41 | 3 | 1984–1996 | 0.49 | M-v | 4 | Williams | 22271 | 1984 SY <sub>5</sub>  |
| 1984 UX               | 13.5 | 961113 | 0.07945   | 22.16311  | 10.32885  | 6.84082  | 0.3150452 | 2.5374910 | 36 | 4 | 1984–1996 | 0.82 | M-v | 3 | Marsden  | 27932 | 1984 UX               |
| 1984 YL <sub>1</sub>  | 14.5 | 961113 | 157.56474 | 41.12209  | 65.44031  | 6.23380  | 0.1359854 | 2.2658166 | 11 | 2 | 1984–1996 | 0.79 | M-v | 6 | Marsden  | 27554 | 1984 YL <sub>1</sub>  |
| 1985 GK               | 13.0 | 961113 | 268.87122 | 318.04220 | 203.50921 | 12.44584 | 0.1135884 | 2.6790518 | 24 | 5 | 1985–1996 | 0.63 | M-v | 1 | Williams | 25973 | 1985 GK               |
| 1985 RJ <sub>3</sub>  | 12.5 | 961113 | 84.56250  | 92.83066  | 174.09902 | 1.84109  | 0.1377618 | 3.1073473 | 31 | 3 | 1969–1996 | 0.66 | M-v | 5 | Williams | 27910 | 1985 RJ <sub>3</sub>  |
| 1985 SG <sub>3</sub>  | 12.5 | 961113 | 23.38737  | 93.86853  | 227.53665 | 12.25069 | 0.2497135 | 3.1698956 | 32 | 3 | 1985–1996 | 0.67 | M-v | 3 | Williams | 27932 | 1985 SG <sub>3</sub>  |
| 1985 TD               | 13.5 | 961113 | 340.91366 | 253.12128 | 191.33416 | 21.63036 | 0.3017275 | 2.3564399 | 24 | 5 | 1954–1996 | 0.88 | M-v | 2 | Williams | 25438 | 1985 TD               |
| 1985 TV               | 11.5 | 961113 | 1.86301   | 335.40532 | 24.47855  | 22.37099 | 0.0393507 | 3.1825424 | 19 | 5 | 1980–1996 | 0.89 | M-v | 2 | Bardwell | 27932 | 1985 TV               |
| 1985 UQ <sub>4</sub>  | 12.5 | 961113 | 332.90369 | 258.70961 | 125.00844 | 2.70441  | 0.1270890 | 3.2526218 | 15 | 3 | 1985–1996 | 0.79 | M-v | 3 | Williams | 27932 | 1985 UQ <sub>4</sub>  |
| 1985 UW <sub>4</sub>  | 12.0 | 961113 | 44.35457  | 231.07067 | 104.35982 | 6.98950  | 0.1985622 | 3.1415626 | 26 | 5 | 1985–1996 | 0.49 | M-v | 1 | Bardwell | 25537 | 1985 UW <sub>4</sub>  |
| 1985 VF               | 13.0 | 961113 | 42.48538  | 231.72089 | 81.32891  | 8.36756  | 0.2370288 | 2.4156075 | 11 | 4 | 1980–1996 | 0.74 | M-v | 2 | Bardwell | 25061 | 1985 VF               |
| 1985 VD <sub>1</sub>  | 12.5 | 961113 | 15.42767  | 358.01810 | 13.05536  | 5.32800  | 0.1671349 | 3.1113302 | 17 | 4 | 1985–1996 | 0.72 | M-v | 1 | Bardwell | 21970 | 1985 VD <sub>1</sub>  |
| 1985 VF <sub>1</sub>  | 14.5 | 961113 | 354.53978 | 151.63088 | 272.22820 | 1.21974  | 0.2142358 | 2.3590119 | 14 | 4 | 1974–1996 | 0.83 | M-v | 3 | Williams | 22077 | 1985 VF <sub>1</sub>  |
| 1986 AW <sub>2</sub>  | 13.0 | 961113 | 166.13661 | 34.81674  | 135.88948 | 17.25773 | 0.2108063 | 2.6331806 | 33 | 4 | 1954–1996 | 0.91 | M-v | 2 | Williams | 25537 | 1986 AW <sub>2</sub>  |
| 1986 QN <sub>3</sub>  | 14.5 | 961113 | 2.00679   | 288.47101 | 83.05431  | 3.12556  | 0.1442196 | 2.2262908 | 58 | 6 | 1979–1996 | 0.71 | M-v | 1 | Williams | 23132 | 1986 QN <sub>3</sub>  |
| 1986 RF <sub>7</sub>  | 14.5 | 961113 | 62.82731  | 170.56123 | 150.10684 | 2.16363  | 0.1608996 | 2.2033014 | 17 | 4 | 1976–1996 | 0.89 | M-v | 2 | Williams | 27932 | 1986 RF <sub>7</sub>  |
| 1987 BO <sub>1</sub>  | 13.0 | 961113 | 293.88121 | 152.70901 | 277.48458 | 23.36234 | 0.2287169 | 2.3389722 | 53 | 3 | 1987–1996 | 0.92 | M-v | 3 | Bardwell | 27727 | 1987 BO <sub>1</sub>  |
| 1987 HK               | 13.5 | 961113 | 68.79182  | 338.26615 | 313.18805 | 1.05190  | 0.0862640 | 2.5548533 | 24 | 5 | 1982–1996 | 1.00 | M-v | 2 | Williams | 27932 | 1987 HK               |

|                       |      |        |           |           |           |          |           |           |     |   |           |      |     |   |          |       |                       |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-----------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1987 MA <sub>1</sub>  | 13.0 | 961113 | 40.11397  | 131.75652 | 152.50042 | 12.20520 | 0.2712848 | 2.6819410 | 20  | 4 | 1987–1996 | 0.60 | M-v | 2 | Williams | 27710 | 1987 MA <sub>1</sub>  |
| 1987 QX               | 15.5 | 961113 | 349.93801 | 12.55012  | 355.48747 | 14.29894 | 0.4624322 | 2.7846538 | 17  | 2 | 1987–1996 | 0.73 | M-v | 2 | Williams | 27566 | 1987 QX               |
| 1987 SQ <sub>10</sub> | 13.5 | 961113 | 228.90877 | 15.36377  | 125.57362 | 5.24028  | 0.0477446 | 2.7550808 | 28  | 4 | 1987–1996 | 0.92 | M-v | 2 | Marsden  | 25973 | 1987 SQ <sub>10</sub> |
| 1988 AA <sub>5</sub>  | 13.5 | 961113 | 349.90435 | 208.62773 | 192.80743 | 6.56751  | 0.2817676 | 2.7958139 | 39  | 5 | 1951–1996 | 0.68 | M-v | 1 | Bardwell | 27932 | 1988 AA <sub>5</sub>  |
| 1988 JB <sub>1</sub>  | 14.0 | 961113 | 195.91725 | 83.95919  | 149.92899 | 20.06340 | 0.4004612 | 3.1374664 | 38  | 3 | 1988–1996 | 0.76 | M-v | 2 | Marsden  | 25648 | 1988 JB <sub>1</sub>  |
| 1988 QV               | 13.5 | 961113 | 65.00528  | 177.39893 | 157.10155 | 6.51579  | 0.1447158 | 2.4127318 | 21  | 5 | 1962–1996 | 0.82 | M-v | 2 | Marsden  | 26900 | 1988 QV               |
| 1988 RA <sub>3</sub>  | 14.5 | 961113 | 10.37462  | 165.44420 | 174.77535 | 1.82519  | 0.2400918 | 2.5739994 | 29  | 4 | 1951–1996 | 0.53 | M-v | 1 | Williams | 27910 | 1988 RA <sub>3</sub>  |
| 1988 RX <sub>4</sub>  | 14.0 | 961113 | 56.78216  | 243.94473 | 104.02344 | 3.57206  | 0.2124432 | 2.4154660 | 62  | 6 | 1950–1996 | 0.77 | M-v | 1 | Williams | 27727 | 1988 RX <sub>4</sub>  |
| 1988 RB <sub>6</sub>  | 14.0 | 961113 | 12.70012  | 160.40169 | 162.73817 | 12.55378 | 0.2531148 | 2.5602450 | 60  | 4 | 1988–1996 | 0.88 | M-v | 3 | Williams | 27727 | 1988 RB <sub>6</sub>  |
| 1988 RB <sub>12</sub> | 14.5 | 961113 | 11.22580  | 344.54689 | 350.89167 | 5.40566  | 0.2518924 | 2.5448469 | 22  | 7 | 1972–1996 | 1.08 | M-v | 3 | Williams | 27933 | 1988 RB <sub>12</sub> |
| 1988 RP <sub>12</sub> | 12.0 | 961113 | 22.54729  | 59.48103  | 157.51489 | 4.35664  | 0.0355827 | 5.2325795 | 14  | 3 | 1988–1996 | 0.48 | M-v | 4 | Marsden  | 15714 | 1988 RP <sub>12</sub> |
| 1988 SZ <sub>2</sub>  | 13.0 | 961113 | 160.54440 | 80.81725  | 124.45094 | 2.99309  | 0.0355776 | 3.9744184 | 15  | 3 | 1981–1996 | 0.59 | M-v | 4 | Williams | 20503 | 1988 SZ <sub>2</sub>  |
| 1988 VP               | 12.5 | 961113 | 4.06582   | 346.06847 | 54.51797  | 14.40023 | 0.0660007 | 2.5371941 | 50  | 6 | 1984–1996 | 0.72 | M-v | 3 | Bardwell | 23536 | 1988 VP               |
| 1988 VH <sub>1</sub>  | 13.5 | 961113 | 337.23978 | 182.06838 | 239.18413 | 4.52723  | 0.2948764 | 2.5571068 | 23  | 4 | 1984–1996 | 0.75 | M-v | 3 | Williams | 27727 | 1988 VH <sub>1</sub>  |
| 1988 VJ <sub>2</sub>  | 14.5 | 961113 | 357.79401 | 197.03427 | 212.28991 | 5.28029  | 0.3311229 | 2.5289260 | 40  | 4 | 1988–1996 | 0.78 | M-v | 2 | Williams | 27933 | 1988 VJ <sub>2</sub>  |
| 1988 VR <sub>5</sub>  | 13.5 | 961113 | 11.20999  | 139.13755 | 220.02107 | 13.83875 | 0.1326535 | 2.5838820 | 52  | 5 | 1988–1996 | 0.85 | M-v | 2 | Williams | 27933 | 1988 VR <sub>5</sub>  |
| 1988 VE <sub>7</sub>  | 14.0 | 961113 | 354.91640 | 292.28188 | 138.70254 | 6.69422  | 0.2180773 | 2.5254405 | 18  | 4 | 1976–1996 | 0.58 | M-v | 3 | Williams | 21972 | 1988 VE <sub>7</sub>  |
| 1988 XX <sub>1</sub>  | 13.0 | 961113 | 21.07146  | 349.88813 | 25.49594  | 14.43079 | 0.1860067 | 2.5834588 | 23  | 4 | 1988–1996 | 0.48 | M-v | 2 | Williams | 27727 | 1988 XX <sub>1</sub>  |
| 1989 BC               | 12.0 | 961113 | 199.18003 | 98.80152  | 99.81717  | 13.13891 | 0.1345907 | 2.7556556 | 37  | 6 | 1985–1996 | 0.84 | M-v | 1 | Bardwell | 27933 | 1989 BC               |
| 1989 CO <sub>5</sub>  | 13.5 | 961113 | 134.10295 | 188.16912 | 142.56495 | 3.10380  | 0.1213068 | 2.5482503 | 16  | 5 | 1989–1996 | 0.73 | M-v | 2 | Williams | 27933 | 1989 CO <sub>5</sub>  |
| 1989 GC <sub>4</sub>  | 13.5 | 961113 | 142.82790 | 322.90073 | 273.99525 | 1.08505  | 0.0695423 | 2.9408054 | 26  | 6 | 1951–1996 | 0.61 | M-v | 3 | Williams | 24407 | 1989 GC <sub>4</sub>  |
| 1989 JA               | 17.0 | 961113 | 43.09861  | 231.84406 | 61.59986  | 15.23225 | 0.4844001 | 1.7705371 | 116 | 3 | 1989–1996 | 0.82 | M-v | 1 | Williams | 27728 | 1989 JA               |
| 1989 JF               | 13.5 | 961113 | 81.51828  | 281.09975 | 0.68915   | 4.43800  | 0.1700137 | 2.1814040 | 21  | 4 | 1989–1996 | 0.75 | M-v | 2 | Marsden  | 22825 | 1989 JF               |
| 1989 PT               | 14.0 | 961113 | 61.24030  | 156.43852 | 145.55919 | 6.36101  | 0.1230937 | 2.2854017 | 21  | 5 | 1989–1996 | 0.99 | M-v | 2 | Bardwell | 27933 | 1989 PT               |
| 1989 RC               | 18.5 | 961113 | 21.24614  | 181.11279 | 140.34984 | 7.37785  | 0.5141562 | 2.3133462 | 82  | 2 | 1989–1996 | 0.60 | M-v | 1 | Marsden  | 27728 | 1989 RC               |
| 1989 RT               | 14.0 | 961113 | 36.45434  | 339.56704 | 323.41807 | 6.74093  | 0.1254034 | 2.3463977 | 26  | 2 | 1989–1996 | 0.88 | M-v | 4 | Williams | 27710 | 1989 RT               |
| 1989 RS <sub>1</sub>  | 18.5 | 961113 | 15.15383  | 180.85423 | 174.70064 | 7.17791  | 0.4813977 | 2.3046079 | 165 | 3 | 1982–1996 | 0.61 | M-v | 1 | Williams | 27933 | 1989 RS <sub>1</sub>  |
| 1989 SJ <sub>5</sub>  | 13.5 | 961113 | 139.83047 | 183.09516 | 47.97905  | 7.13984  | 0.0722194 | 2.3407914 | 19  | 4 | 1984–1996 | 0.83 | M-v | 3 | Williams | 25328 | 1989 SJ <sub>5</sub>  |
| 1989 SE <sub>8</sub>  | 13.5 | 961113 | 205.01465 | 171.12507 | 333.80939 | 6.28627  | 0.0774378 | 2.4126682 | 20  | 5 | 1983–1996 | 0.97 | M-v | 2 | Williams | 27933 | 1989 SE <sub>8</sub>  |
| 1989 TO               | 13.0 | 961113 | 321.36764 | 98.74192  | 340.71307 | 21.80311 | 0.2988669 | 2.3330923 | 46  | 3 | 1989–1996 | 0.77 | M-v | 1 | Williams | 27933 | 1989 TO               |
| 1989 TJ <sub>2</sub>  | 13.5 | 961113 | 338.91094 | 109.29003 | 324.07275 | 4.96098  | 0.1302846 | 2.2757657 | 26  | 3 | 1989–1996 | 0.83 | M-v | 2 | Marsden  | 27728 | 1989 TJ <sub>2</sub>  |
| 1989 TY <sub>10</sub> | 15.0 | 961113 | 27.20978  | 180.16959 | 197.89166 | 4.91445  | 0.2223721 | 2.2717858 | 16  | 5 | 1955–1996 | 0.87 | M-v | 2 | Williams | 25439 | 1989 TY <sub>10</sub> |
| 1989 TX <sub>15</sub> | 13.5 | 961113 | 241.98686 | 146.87725 | 16.16220  | 5.70175  | 0.0853919 | 2.2641209 | 27  | 5 | 1986–1996 | 0.61 | M-v | 2 | Williams | 23349 | 1989 TX <sub>15</sub> |
| 1989 UQ               | 19.0 | 961113 | 228.56654 | 14.90717  | 178.44728 | 1.29067  | 0.2646943 | 0.9146635 | 63  | 4 | 1954–1996 | 0.79 | M-v | 3 | Williams | 27933 | 1989 UQ               |
| 1989 UP <sub>1</sub>  | 14.0 | 961113 | 3.47390   | 304.88943 | 81.89642  | 6.71065  | 0.1995513 | 2.3258896 | 17  | 4 | 1982–1996 | 1.18 | M-v | 4 | Bardwell | 27933 | 1989 UP <sub>1</sub>  |
| 1989 VW               | 11.5 | 961113 | 292.34044 | 42.26678  | 47.78604  | 6.35216  | 0.1549442 | 3.9923609 | 28  | 5 | 1980–1996 | 0.60 | M-v | 1 | Bardwell | 22431 | 1989 VW               |
| 1989 VN <sub>5</sub>  | 14.5 | 961113 | 292.33685 | 128.59367 | 309.52104 | 1.61101  | 0.1803072 | 2.3944271 | 23  | 3 | 1989–1996 | 0.68 | M-v | 3 | Williams | 27933 | 1989 VN <sub>5</sub>  |
| 1990 EX <sub>2</sub>  | 13.0 | 961113 | 30.65824  | 172.63725 | 185.73124 | 12.02603 | 0.1931133 | 2.5754849 | 24  | 6 | 1971–1996 | 0.99 | M-v | 2 | Williams | 27933 | 1990 EX <sub>2</sub>  |
| 1990 FG               | 13.5 | 961113 | 9.73892   | 2.12071   | 357.08038 | 25.73932 | 0.0303839 | 1.9107033 | 17  | 3 | 1982–1996 | 0.72 | M-v | 3 | Williams | 27911 | 1990 FG               |
| 1990 QO <sub>3</sub>  | 12.0 | 961113 | 346.80633 | 52.50790  | 354.60550 | 10.61399 | 0.0757569 | 3.1278424 | 58  | 3 | 1990–1996 | 0.63 | M-v | 2 | Bardwell | 27933 | 1990 QO <sub>3</sub>  |
| 1990 QZ <sub>4</sub>  | 12.0 | 961113 | 21.33195  | 235.21177 | 138.20615 | 15.19974 | 0.1956472 | 3.1383489 | 21  | 4 | 1990–1996 | 0.55 | M-v | 1 | Bardwell | 25974 | 1990 QZ <sub>4</sub>  |
| 1990 RK <sub>2</sub>  | 14.5 | 961113 | 10.17916  | 161.95689 | 176.89101 | 2.35895  | 0.0687499 | 2.1294726 | 15  | 4 | 1990–1996 | 0.54 | M-v | 3 | Williams | 23789 | 1990 RK <sub>2</sub>  |
| 1990 SV <sub>12</sub> | 13.5 | 961113 | 10.95182  | 319.69084 | 63.42059  | 2.27643  | 0.1739954 | 3.1739488 | 19  | 4 | 1985–1996 | 0.57 | M-v | 1 | Williams | 23672 | 1990 SV <sub>12</sub> |
| 1990 YK               | 14.0 | 961113 | 248.88996 | 322.39010 | 172.36918 | 2.29129  | 0.1572363 | 2.2445243 | 29  | 5 | 1981–1996 | 0.96 | M-v | 2 | Williams | 27934 | 1990 YK               |
| 1991 BB               | 16.0 | 961113 | 71.12695  | 322.81305 | 295.04810 | 38.48442 | 0.2724539 | 1.1862501 | 124 | 4 | 1991–1996 | 0.63 | M-v | 2 | Williams | 27325 | 1991 BB               |
| 1991 DG               | 19.0 | 961113 | 76.75914  | 63.07812  | 180.32572 | 11.15153 | 0.3629914 | 1.4272329 | 36  | 3 | 1991–1996 | 0.81 | M-v | 2 | Marsden  | 26757 | 1991 DG               |
| 1991 FE <sub>1</sub>  | 13.5 | 961113 | 352.35176 | 102.76325 | 308.60510 | 3.18996  | 0.1466788 | 2.2652712 | 26  | 6 | 1972–1996 | 0.62 | M-v | 1 | Bardwell | 27728 | 1991 FE <sub>1</sub>  |
| 1991 FB <sub>4</sub>  | 13.0 | 961113 | 39.82171  | 262.26950 | 352.45250 | 4.40619  | 0.1127229 | 2.7428798 | 26  | 4 | 1974–1995 | 0.73 | M-v | 1 | Williams | 27934 | 1991 FB <sub>4</sub>  |
| 1991 GR               | 11.0 | 961113 | 322.51786 | 0.28426   | 19.44197  | 15.60073 | 0.1222761 | 2.5639698 | 44  | 6 | 1953–1996 | 0.63 | M-v | 1 | Williams | 27728 | 1991 GR               |
| 1991 GC <sub>1</sub>  | 14.0 | 961113 | 114.93352 | 222.31095 | 14.98127  | 13.83731 | 0.2089794 | 2.5334873 | 30  | 3 | 1991–1996 | 1.01 | M-v | 3 | Williams | 27728 | 1991 GC <sub>1</sub>  |
| 1991 GY <sub>3</sub>  | 15.5 | 961113 | 209.09957 | 149.17892 | 18.66859  | 2.82493  | 0.1261877 | 2.3925061 | 24  | 2 | 1991–1996 | 0.54 | M-v | 5 | Williams | 27912 | 1991 GY <sub>3</sub>  |
| 1991 GY <sub>4</sub>  | 15.0 | 961113 | 192.07368 | 196.62997 | 59.05045  | 2.08018  | 0.0642707 | 2.2396449 | 24  | 3 | 1991–1994 | 0.78 | M-v | 4 | Williams | 27934 | 1991 GY <sub>4</sub>  |

|                       |      |        |           |           |           |          |           |            |     |    |           |      |     |   |          |       |                       |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|------------|-----|----|-----------|------|-----|---|----------|-------|-----------------------|
| 1991 GA <sub>6</sub>  | 13.5 | 961113 | 296.76420 | 35.77248  | 285.74718 | 0.93730  | 0.0627154 | 2.8954368  | 37  | 4  | 1991–1996 | 0.61 | M-v | 1 | Williams | 27934 | 1991 GA <sub>6</sub>  |
| 1991 GP <sub>6</sub>  | 15.5 | 961113 | 163.74575 | 31.36533  | 193.68481 | 1.99758  | 0.1657826 | 2.4054312  | 26  | 4  | 1977–1996 | 0.68 | M-v | 3 | Williams | 27934 | 1991 GP <sub>6</sub>  |
| 1991 GA <sub>9</sub>  | 14.0 | 961113 | 261.11747 | 280.55920 | 206.73434 | 5.56651  | 0.0831355 | 2.3559594  | 29  | 4  | 1978–1996 | 0.85 | M-v | 2 | Williams | 27934 | 1991 GA <sub>9</sub>  |
| 1991 JT <sub>1</sub>  | 13.0 | 961113 | 100.56381 | 83.34142  | 180.39408 | 15.67310 | 0.1536441 | 2.5544637  | 21  | 4  | 1950–1996 | 0.67 | M-v | 2 | Williams | 27934 | 1991 JT <sub>1</sub>  |
| 1991 PG <sub>5</sub>  | 14.0 | 961113 | 354.15631 | 129.90528 | 225.75207 | 0.95517  | 0.0684244 | 2.8766188  | 17  | 2  | 1991–1996 | 0.50 | M-v | 4 | Williams | 27712 | 1991 PG <sub>5</sub>  |
| 1991 PE <sub>10</sub> | 13.5 | 961113 | 17.51193  | 37.87628  | 338.44280 | 8.67593  | 0.1736043 | 2.7897578  | 19  | 4  | 1954–1996 | 0.60 | M-v | 2 | Williams | 22084 | 1991 PE <sub>10</sub> |
| 1991 PK <sub>11</sub> | 12.5 | 961113 | 340.11969 | 131.32622 | 313.54131 | 6.82897  | 0.1782701 | 2.7447832  | 16  | 4  | 1973–1996 | 0.52 | M-v | 1 | Williams | 22084 | 1991 PK <sub>11</sub> |
| 1991 PP <sub>11</sub> | 14.0 | 961113 | 44.33727  | 121.76690 | 185.68099 | 9.56341  | 0.3039122 | 2.8866400  | 27  | 3  | 1980–1996 | 0.46 | M-v | 3 | Williams | 27912 | 1991 PP <sub>11</sub> |
| 1991 RV <sub>3</sub>  | 13.0 | 961113 | 74.15784  | 292.95525 | 340.88630 | 9.05621  | 0.0722697 | 3.0588999  | 24  | 5  | 1951–1996 | 0.77 | M-v | 1 | Marsden  | 25227 | 1991 RV <sub>3</sub>  |
| 1991 RL <sub>5</sub>  | 12.5 | 961113 | 317.48895 | 26.05089  | 20.81516  | 10.07990 | 0.1951343 | 3.0479112  | 27  | 5  | 1954–1996 | 0.79 | M-v | 2 | Williams | 27935 | 1991 RL <sub>5</sub>  |
| 1991 RQ <sub>7</sub>  | 12.5 | 961113 | 26.80639  | 6.53839   | 305.84155 | 9.70550  | 0.2815665 | 2.9809213  | 25  | 4  | 1986–1996 | 0.68 | M-v | 3 | Bardwell | 27935 | 1991 RQ <sub>7</sub>  |
| 1991 RA <sub>16</sub> | 13.0 | 961113 | 331.18692 | 345.63135 | 117.20882 | 4.63256  | 0.1330447 | 2.6857270  | 23  | 6  | 1984–1996 | 0.72 | M-v | 1 | Williams | 22084 | 1991 RA <sub>16</sub> |
| 1991 RT <sub>40</sub> | 13.5 | 961113 | 84.94965  | 259.32525 | 32.64919  | 2.35661  | 0.0390555 | 2.8773605  | 21  | 4  | 1981–1996 | 0.49 | M-v | 2 | Williams | 25538 | 1991 RT <sub>40</sub> |
| 1991 SL <sub>2</sub>  | 12.0 | 961113 | 304.52255 | 326.86489 | 68.27611  | 10.26742 | 0.1412838 | 3.1784809  | 15  | 4  | 1980–1996 | 0.63 | M-v | 1 | Williams | 21796 | 1991 SL <sub>2</sub>  |
| 1991 TR <sub>1</sub>  | 14.0 | 961113 | 346.26457 | 145.50482 | 223.78177 | 19.62643 | 0.0991429 | 1.9205190  | 16  | 3  | 1991–1996 | 0.64 | M-v | 4 | Bardwell | 27935 | 1991 TR <sub>1</sub>  |
| 1991 UK <sub>3</sub>  | 12.0 | 961113 | 278.40409 | 268.82563 | 222.91900 | 13.44708 | 0.2555937 | 3.1007104  | 18  | 4  | 1991–1996 | 0.65 | M-v | 1 | Williams | 25538 | 1991 UK <sub>3</sub>  |
| 1991 VK               | 17.0 | 961113 | 337.58511 | 173.25339 | 295.10547 | 5.42359  | 0.5069019 | 1.8428034  | 96  | 4  | 1991–1996 | 0.60 | M-v | 1 | Bardwell | 27935 | 1991 VK               |
| 1991 XC <sub>1</sub>  | 12.5 | 961113 | 355.94314 | 299.06448 | 85.21059  | 8.38155  | 0.2194902 | 3.1369213  | 30  | 5  | 1974–1996 | 0.70 | M-v | 1 | Williams | 22084 | 1991 XC <sub>1</sub>  |
| 1992 AK <sub>1</sub>  | 12.0 | 961113 | 0.88433   | 293.94197 | 99.56303  | 2.91871  | 0.1685706 | 3.2308304  | 32  | 3  | 1990–1996 | 0.84 | M-v | 4 | Williams | 27935 | 1992 AK <sub>1</sub>  |
| 1992 EM <sub>18</sub> | 14.5 | 961113 | 232.02208 | 119.73065 | 207.41629 | 6.17471  | 0.0953772 | 2.6326735  | 20  | 4  | 1990–1996 | 0.71 | M-v | 2 | Williams | 27935 | 1992 EM <sub>18</sub> |
| 1992 KD               | 15.5 | 961113 | 89.75923  | 355.39981 | 242.16677 | 28.95912 | 0.4339269 | 2.3406162  | 64  | 3  | 1992–1996 | 0.72 | M-v | 2 | Marsden  | 27935 | 1992 KD               |
| 1992 LP               | 13.5 | 961113 | 31.79443  | 243.58554 | 101.98845 | 2.93053  | 0.1825269 | 2.2574763  | 32  | 5  | 1969–1996 | 0.83 | M-v | 1 | Williams | 25441 | 1992 LP               |
| 1992 MB               | 14.0 | 961113 | 59.19656  | 146.54690 | 186.36204 | 4.68399  | 0.1589825 | 2.2515476  | 35  | 10 | 1972–1996 | 0.82 | M-v | 1 | Bardwell | 27729 | 1992 MB               |
| 1992 OF               | 14.5 | 961113 | 35.39558  | 281.34465 | 68.49077  | 3.68083  | 0.3238189 | 2.4516711  | 45  | 3  | 1991–1996 | 0.64 | M-v | 2 | Marsden  | 27935 | 1992 OF               |
| 1992 OV <sub>2</sub>  | 15.0 | 961113 | 343.28658 | 289.90862 | 128.77329 | 8.58680  | 0.0871525 | 2.3159981  | 21  | 4  | 1987–1996 | 0.82 | M-v | 2 | Williams | 25640 | 1992 OV <sub>2</sub>  |
| 1992 OP <sub>5</sub>  | 14.5 | 961113 | 111.01364 | 93.78444  | 182.18363 | 3.34869  | 0.1379233 | 2.3118425  | 20  | 3  | 1992–1996 | 0.76 | M-v | 4 | Williams | 25340 | 1992 OP <sub>5</sub>  |
| 1992 PV               | 15.0 | 961113 | 23.44595  | 174.28498 | 202.43916 | 2.51458  | 0.0708258 | 2.3185975  | 20  | 3  | 1992–1996 | 0.65 | M-v | 3 | Williams | 23350 | 1992 PV               |
| 1992 PW <sub>1</sub>  | 14.0 | 961113 | 295.04285 | 293.94578 | 171.28770 | 1.55922  | 0.0493248 | 2.3103072  | 33  | 7  | 1970–1996 | 0.81 | M-v | 1 | Bardwell | 25082 | 1992 PW <sub>1</sub>  |
| 1992 PY <sub>2</sub>  | 11.5 | 961113 | 279.13247 | 132.66199 | 287.64264 | 14.37903 | 0.1051436 | 2.6274651  | 23  | 3  | 1992–1996 | 0.83 | M-v | 3 | Bardwell | 27729 | 1992 PY <sub>2</sub>  |
| 1992 QN               | 17.0 | 961113 | 188.05954 | 202.13283 | 356.07953 | 9.59256  | 0.3591731 | 1.1907022  | 138 | 3  | 1992–1996 | 0.54 | M-v | 2 | Williams | 27935 | 1992 QN               |
| 1992 QB <sub>1</sub>  | 7.0  | 961113 | 4.45145   | 1.20444   | 359.38856 | 2.18064  | 0.0743543 | 44.1664582 | 70  | 5  | 1992–1996 | 0.66 | M-v | 4 | Williams | 27935 | 1992 QB <sub>1</sub>  |
| 1992 RJ <sub>3</sub>  | 14.5 | 961113 | 129.37718 | 270.62894 | 344.39542 | 7.20794  | 0.1079565 | 2.3683984  | 17  | 3  | 1991–1996 | 0.73 | M-v | 3 | Williams | 25427 | 1992 RJ <sub>3</sub>  |
| 1992 ST               | 14.0 | 961113 | 348.12777 | 16.08517  | 30.95170  | 8.17202  | 0.3917018 | 2.5559150  | 37  | 2  | 1992–1996 | 0.62 | M-v | 2 | Bardwell | 27935 | 1992 ST               |
| 1992 SD <sub>1</sub>  | 13.5 | 961113 | 32.72006  | 294.29538 | 48.19812  | 9.74825  | 0.0959984 | 2.5400842  | 21  | 3  | 1992–1996 | 0.66 | M-v | 3 | Bardwell | 25441 | 1992 SD <sub>1</sub>  |
| 1992 SE <sub>1</sub>  | 13.0 | 961113 | 54.62898  | 233.63632 | 46.43946  | 13.66406 | 0.1559316 | 2.6803510  | 28  | 2  | 1992–1996 | 0.65 | M-v | 4 | Williams | 27914 | 1992 SE <sub>1</sub>  |
| 1992 SN <sub>1</sub>  | 12.5 | 961113 | 341.85372 | 27.50557  | 11.53664  | 15.10592 | 0.2077974 | 2.5718066  | 26  | 4  | 1990–1996 | 0.83 | M-v | 2 | Bardwell | 27935 | 1992 SN <sub>1</sub>  |
| 1992 ST <sub>1</sub>  | 12.5 | 961113 | 30.41565  | 333.91009 | 315.44818 | 7.55038  | 0.2089977 | 2.7899368  | 22  | 6  | 1955–1996 | 0.84 | M-v | 2 | Williams | 27729 | 1992 ST <sub>1</sub>  |
| 1992 SW <sub>17</sub> | 12.0 | 961113 | 330.67442 | 94.12122  | 281.12001 | 14.02800 | 0.1536150 | 2.7480493  | 34  | 3  | 1992–1996 | 0.65 | M-v | 3 | Williams | 27936 | 1992 SW <sub>17</sub> |
| 1992 SQ <sub>26</sub> | 14.5 | 961113 | 343.00109 | 285.35061 | 109.56708 | 4.06964  | 0.1336987 | 2.6113932  | 24  | 4  | 1977–1996 | 0.69 | M-v | 2 | Marsden  | 25641 | 1992 SQ <sub>26</sub> |
| 1992 ST <sub>26</sub> | 12.0 | 961113 | 302.31745 | 126.44414 | 279.15530 | 5.12225  | 0.1026421 | 2.7464955  | 17  | 5  | 1979–1996 | 0.67 | M-v | 1 | Williams | 27714 | 1992 ST <sub>26</sub> |
| 1992 TC               | 18.0 | 961113 | 37.85007  | 275.39642 | 88.75605  | 7.08824  | 0.2921268 | 1.5657157  | 123 | 4  | 1990–1996 | 0.71 | M-v | 2 | Marsden  | 27936 | 1992 TC               |
| 1992 UG               | 13.0 | 961113 | 355.18820 | 302.31672 | 83.39145  | 6.51902  | 0.2794219 | 2.5990818  | 37  | 5  | 1952–1996 | 0.64 | M-v | 2 | Williams | 25441 | 1992 UG               |
| 1992 UQ               | 12.5 | 961113 | 88.32849  | 111.81706 | 174.49733 | 4.58328  | 0.1518230 | 2.5302051  | 36  | 6  | 1980–1996 | 0.92 | M-v | 2 | Williams | 27729 | 1992 UQ               |
| 1992 UO <sub>3</sub>  | 13.0 | 961113 | 50.27376  | 294.60974 | 30.18396  | 12.47642 | 0.1833451 | 2.5785479  | 35  | 5  | 1984–1996 | 0.77 | M-v | 3 | Williams | 27936 | 1992 UO <sub>3</sub>  |
| 1992 WX <sub>2</sub>  | 13.5 | 961113 | 275.27301 | 283.83286 | 205.61977 | 3.26326  | 0.1195790 | 2.6287228  | 40  | 6  | 1958–1996 | 0.77 | M-v | 1 | Williams | 27936 | 1992 WX <sub>2</sub>  |
| 1992 WR <sub>3</sub>  | 12.5 | 961113 | 281.27125 | 28.18352  | 92.63045  | 14.04221 | 0.1116024 | 2.6798460  | 41  | 3  | 1992–1996 | 0.60 | M-v | 2 | Williams | 23685 | 1992 WR <sub>3</sub>  |
| 1992 WM <sub>5</sub>  | 13.0 | 961113 | 326.59235 | 18.04911  | 88.87834  | 8.30697  | 0.1284583 | 2.5301268  | 24  | 7  | 1953–1996 | 0.91 | M-v | 2 | Williams | 27936 | 1992 WM <sub>5</sub>  |
| 1992 WZ <sub>5</sub>  | 13.5 | 961113 | 326.36039 | 185.64239 | 263.27550 | 13.99501 | 0.2243537 | 2.6177159  | 19  | 6  | 1975–1996 | 0.88 | M-v | 2 | Bardwell | 27730 | 1992 WZ <sub>5</sub>  |
| 1992 YV <sub>2</sub>  | 12.5 | 961113 | 351.15593 | 146.75946 | 264.99305 | 11.81376 | 0.1367103 | 2.7346396  | 22  | 5  | 1951–1996 | 0.68 | M-v | 1 | Williams | 25975 | 1992 YV <sub>2</sub>  |
| 1993 AB               | 13.5 | 961113 | 335.54218 | 22.74330  | 78.06502  | 9.23929  | 0.2190778 | 2.5967973  | 17  | 4  | 1975–1996 | 0.72 | M-v | 2 | Williams | 22085 | 1993 AB               |
| 1993 CQ               | 12.0 | 961113 | 4.54189   | 278.41098 | 123.56319 | 9.95670  | 0.1802321 | 2.8077687  | 15  | 5  | 1982–1996 | 0.93 | M-v | 1 | Williams | 25538 | 1993 CQ               |
| 1993 DQ <sub>2</sub>  | 13.0 | 961113 | 30.99310  | 255.73816 | 119.14875 | 3.18055  | 0.0772894 | 2.8761213  | 18  | 7  | 1955–1996 | 1.09 | M-v | 1 | Williams | 27730 | 1993 DQ <sub>2</sub>  |

|                       |      |        |           |           |           |          |           |            |     |   |           |      |     |   |          |       |                       |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|------------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1993 FM <sub>16</sub> | 12.0 | 961113 | 358.37557 | 341.33332 | 67.56357  | 5.99190  | 0.1160750 | 3.2431600  | 13  | 3 | 1993–1996 | 0.53 | M-v | 4 | Williams | 23980 | 1993 FM <sub>16</sub> |
| 1993 FF <sub>76</sub> | 14.5 | 961113 | 94.74288  | 135.19679 | 235.32180 | 1.20170  | 0.0059230 | 2.8495922  | 12  | 2 | 1993–1995 | 0.23 | M-v | 5 | Williams | 27916 | 1993 FF <sub>76</sub> |
| 1993 GE               | 11.0 | 961113 | 216.92383 | 146.34330 | 57.67597  | 25.82411 | 0.2334751 | 3.1448348  | 30  | 5 | 1990–1996 | 0.67 | M-v | 1 | Bardwell | 27730 | 1993 GE               |
| 1993 RO               | 8.0  | 961113 | 359.53111 | 187.32897 | 170.29364 | 3.71115  | 0.2026644 | 39.4909199 | 34  | 4 | 1993–1996 | 0.63 | M-v | 4 | Marsden  | 27936 | 1993 RO               |
| 1993 SB               | 8.0  | 961113 | 322.38579 | 78.18726  | 354.81248 | 1.93266  | 0.3171987 | 39.4004898 | 30  | 4 | 1993–1996 | 0.67 | M-v | 3 | Williams | 27936 | 1993 SB               |
| 1993 SC               | 7.0  | 961113 | 36.66496  | 317.60868 | 354.62377 | 5.14643  | 0.1910906 | 39.7898839 | 63  | 4 | 1993–1996 | 0.52 | M-v | 3 | Williams | 27936 | 1993 SC               |
| 1993 TE <sub>5</sub>  | 14.0 | 961113 | 25.96749  | 46.09156  | 280.90386 | 2.96451  | 0.2267070 | 2.1984186  | 30  | 3 | 1983–1996 | 0.50 | M-v | 3 | Bardwell | 27936 | 1993 TE <sub>5</sub>  |
| 1993 UN               | 15.0 | 961113 | 43.69957  | 187.91616 | 120.42131 | 0.57332  | 0.1581311 | 2.1642982  | 60  | 3 | 1993–1996 | 0.56 | M-v | 3 | Williams | 27936 | 1993 UN               |
| 1993 VA               | 17.0 | 961113 | 296.44355 | 336.47257 | 133.24937 | 7.26004  | 0.3913072 | 1.3558507  | 103 | 3 | 1986–1996 | 0.62 | M-v | 1 | Marsden  | 27936 | 1993 VA               |
| 1993 VE <sub>2</sub>  | 13.5 | 961113 | 309.79678 | 117.20999 | 226.00766 | 13.36655 | 0.1898417 | 2.5745360  | 21  | 3 | 1992–1996 | 0.85 | M-v | 3 | Marsden  | 27936 | 1993 VE <sub>2</sub>  |
| 1993 VN <sub>2</sub>  | 14.0 | 961113 | 359.27883 | 203.24885 | 154.38679 | 2.80182  | 0.1662659 | 2.3115304  | 36  | 3 | 1982–1996 | 0.83 | M-v | 3 | Williams | 27716 | 1993 VN <sub>2</sub>  |
| 1993 VJ <sub>4</sub>  | 14.5 | 961113 | 13.26257  | 321.84537 | 17.18279  | 2.59508  | 0.1969665 | 2.2487330  | 20  | 5 | 1976–1996 | 0.65 | M-v | 2 | Williams | 25340 | 1993 VJ <sub>4</sub>  |
| 1993 XY               | 15.5 | 961113 | 190.64665 | 11.44874  | 188.20007 | 4.95531  | 0.1668477 | 2.3238295  | 28  | 3 | 1993–1996 | 0.62 | M-v | 3 | Williams | 25539 | 1993 XY               |
| 1994 AD               | 15.0 | 961113 | 234.37646 | 137.58001 | 9.12551   | 1.18688  | 0.1233276 | 2.4302090  | 18  | 3 | 1977–1996 | 0.56 | M-v | 5 | Williams | 27937 | 1994 AD               |
| 1994 AM <sub>1</sub>  | 15.5 | 961113 | 338.64197 | 119.55043 | 273.57796 | 5.84162  | 0.1243950 | 2.3529252  | 30  | 3 | 1994–1996 | 0.60 | M-v | 3 | Williams | 27916 | 1994 AM <sub>1</sub>  |
| 1994 AE <sub>2</sub>  | 13.5 | 961113 | 187.51221 | 114.48594 | 109.78483 | 9.58945  | 0.4307567 | 2.6097675  | 102 | 4 | 1982–1996 | 0.60 | M-v | 1 | Williams | 27937 | 1994 AE <sub>2</sub>  |
| 1994 AL <sub>3</sub>  | 13.5 | 961113 | 299.56098 | 275.22805 | 187.95587 | 6.35915  | 0.0554699 | 2.3364814  | 26  | 3 | 1994–1996 | 0.74 | M-v | 4 | Williams | 25442 | 1994 AL <sub>3</sub>  |
| 1994 CQ               | 14.5 | 961113 | 283.74214 | 154.92649 | 321.43802 | 1.77153  | 0.1630602 | 2.3727277  | 17  | 3 | 1978–1996 | 0.67 | M-v | 4 | Williams | 23791 | 1994 CQ               |
| 1994 CX <sub>1</sub>  | 11.5 | 961113 | 94.76946  | 334.23927 | 315.19656 | 14.43895 | 0.2277138 | 2.7404112  | 12  | 5 | 1968–1996 | 0.78 | M-v | 2 | Bardwell | 23539 | 1994 CX <sub>1</sub>  |
| 1994 CV <sub>16</sub> | 14.0 | 961113 | 143.00538 | 108.35241 | 107.86472 | 3.11410  | 0.0161717 | 2.9141713  | 22  | 5 | 1989–1996 | 0.62 | M-v | 1 | Williams | 27937 | 1994 CV <sub>16</sub> |
| 1994 DA               | 14.5 | 961113 | 160.48797 | 54.70046  | 162.08637 | 9.17763  | 0.0686411 | 2.6624993  | 36  | 3 | 1994–1996 | 0.67 | M-v | 3 | Williams | 27937 | 1994 DA               |
| 1994 GC <sub>1</sub>  | 12.5 | 961113 | 196.21284 | 89.18790  | 85.15132  | 2.41959  | 0.1135718 | 3.0964956  | 12  | 3 | 1977–1996 | 0.73 | M-v | 4 | Williams | 23677 | 1994 GC <sub>1</sub>  |
| 1994 GR <sub>9</sub>  | 12.0 | 961113 | 140.54894 | 224.24744 | 9.20474   | 0.46253  | 0.1454082 | 3.2070591  | 14  | 4 | 1982–1996 | 0.57 | M-v | 4 | Williams | 25069 | 1994 GR <sub>9</sub>  |
| 1994 GT <sub>9</sub>  | 12.5 | 961113 | 245.25898 | 120.02216 | 43.41131  | 6.99701  | 0.0858590 | 2.7405737  | 27  | 6 | 1978–1996 | 0.80 | M-v | 1 | Williams | 26191 | 1994 GT <sub>9</sub>  |
| 1994 JE <sub>1</sub>  | 15.0 | 961113 | 297.37743 | 67.59196  | 66.36448  | 5.79571  | 0.1443720 | 2.3616474  | 28  | 3 | 1994–1996 | 0.49 | M-v | 3 | Williams | 25651 | 1994 JE <sub>1</sub>  |
| 1994 TB               | 7.0  | 961113 | 328.45646 | 98.16726  | 317.29756 | 12.11118 | 0.3182896 | 39.6916716 | 58  | 3 | 1994–1996 | 0.84 | M-v | 3 | Williams | 27937 | 1994 TB               |
| 1994 TF <sub>2</sub>  | 19.0 | 961113 | 267.17363 | 349.59527 | 175.33163 | 23.75486 | 0.2838166 | 0.9932299  | 89  | 3 | 1994–1996 | 0.72 | M-v | 4 | Marsden  | 27937 | 1994 TF <sub>2</sub>  |
| 1994 WE <sub>1</sub>  | 14.0 | 961113 | 122.87640 | 82.04934  | 64.77811  | 7.31749  | 0.0582387 | 2.3749327  | 32  | 3 | 1987–1996 | 0.54 | M-v | 2 | Marsden  | 27937 | 1994 WE <sub>1</sub>  |
| 1994 XJ <sub>1</sub>  | 14.0 | 961113 | 257.54452 | 327.74847 | 61.69826  | 3.60115  | 0.1668288 | 2.2198960  | 29  | 4 | 1987–1996 | 0.72 | M-v | 2 | Marsden  | 27731 | 1994 XJ <sub>1</sub>  |
| 1995 AO <sub>4</sub>  | 13.5 | 961113 | 234.77074 | 64.77597  | 296.62162 | 3.34247  | 0.1042478 | 2.7541441  | 24  | 5 | 1989–1996 | 0.67 | M-v | 1 | Williams | 27917 | 1995 AO <sub>4</sub>  |
| 1995 BZ <sub>1</sub>  | 15.0 | 961113 | 229.66695 | 320.61963 | 88.34439  | 4.99592  | 0.1816090 | 2.4071894  | 42  | 4 | 1990–1996 | 0.58 | M-v | 2 | Williams | 27917 | 1995 BZ <sub>1</sub>  |
| 1995 CA <sub>1</sub>  | 14.5 | 961113 | 109.67955 | 237.64048 | 2.39518   | 5.34072  | 0.1312871 | 2.2637776  | 25  | 2 | 1995–1996 | 0.49 | M-v | 4 | Williams | 27917 | 1995 CA <sub>1</sub>  |
| 1995 DY <sub>1</sub>  | 15.0 | 961113 | 356.71597 | 142.92331 | 208.90324 | 4.77185  | 0.2204555 | 2.2415121  | 32  | 3 | 1986–1996 | 0.50 | M-v | 3 | Williams | 27937 | 1995 DY <sub>1</sub>  |
| 1995 DR <sub>6</sub>  | 14.0 | 961113 | 297.13852 | 303.93988 | 40.30591  | 1.91541  | 0.2217552 | 3.1268119  | 18  | 3 | 1994–1996 | 0.63 | M-v | 5 | Williams | 27918 | 1995 DR <sub>6</sub>  |
| 1995 EH               | 12.5 | 961113 | 99.36971  | 212.85384 | 13.98871  | 7.14176  | 0.0964915 | 2.4634415  | 20  | 5 | 1972–1996 | 0.75 | M-v | 2 | Williams | 25074 | 1995 EH               |
| 1995 EN               | 15.5 | 961113 | 102.63379 | 254.67393 | 11.91157  | 5.20946  | 0.1082122 | 2.1637026  | 63  | 3 | 1992–1996 | 0.49 | M-v | 2 | Williams | 27937 | 1995 EN               |
| 1995 FT               | 13.5 | 961113 | 141.50891 | 68.91281  | 142.65969 | 3.58202  | 0.1455352 | 2.4335279  | 21  | 2 | 1995–1996 | 0.56 | M-v | 4 | Williams | 27918 | 1995 FT               |
| 1995 FU               | 13.5 | 961113 | 121.34985 | 228.21436 | 40.96099  | 4.90009  | 0.1243331 | 2.1859113  | 20  | 5 | 1969–1996 | 0.53 | M-v | 2 | Williams | 25222 | 1995 FU               |
| 1995 FH <sub>5</sub>  | 15.5 | 961113 | 34.87763  | 326.00367 | 359.67119 | 22.80036 | 0.2285870 | 2.2607893  | 13  | 3 | 1979–1996 | 0.37 | M-v | 4 | Williams | 25644 | 1995 FH <sub>5</sub>  |
| 1995 FX <sub>14</sub> | 15.0 | 961113 | 1.90618   | 269.09468 | 76.58291  | 4.26974  | 0.2165027 | 2.5596779  | 25  | 4 | 1992–1996 | 0.53 | M-v | 2 | Williams | 25442 | 1995 FX <sub>14</sub> |
| 1995 GT               | 14.0 | 961113 | 143.42069 | 208.46700 | 13.41388  | 24.11018 | 0.2406479 | 2.3594127  | 13  | 3 | 1978–1996 | 0.62 | M-v | 3 | Williams | 25335 | 1995 GT               |
| 1995 HR               | 12.5 | 961113 | 61.15767  | 76.88883  | 199.21414 | 11.15216 | 0.1878880 | 3.1295792  | 12  | 4 | 1977–1996 | 0.76 | M-v | 2 | Williams | 25539 | 1995 HR               |
| 1995 HN <sub>2</sub>  | 13.5 | 961113 | 41.87487  | 293.16610 | 59.42989  | 7.66458  | 0.1645354 | 2.2585614  | 25  | 5 | 1955–1996 | 0.59 | M-v | 2 | Bardwell | 25335 | 1995 HN <sub>2</sub>  |
| 1995 KC               | 15.0 | 961113 | 151.00795 | 24.93059  | 193.63540 | 10.20740 | 0.1745710 | 2.4257562  | 42  | 2 | 1995–1996 | 0.78 | M-v | 4 | Marsden  | 27918 | 1995 KC               |
| 1995 MC               | 12.5 | 961113 | 46.99534  | 13.28846  | 303.14423 | 20.19204 | 0.2853114 | 3.0920891  | 20  | 4 | 1990–1996 | 0.83 | M-v | 1 | Williams | 26192 | 1995 MC               |
| 1995 ON               | 14.0 | 961113 | 180.79107 | 112.21511 | 130.03716 | 6.97382  | 0.1281849 | 2.2925658  | 35  | 3 | 1984–1996 | 0.54 | M-v | 3 | Marsden  | 27918 | 1995 ON               |
| 1995 OA <sub>2</sub>  | 13.0 | 961113 | 140.09959 | 32.83832  | 216.79927 | 9.61163  | 0.0604011 | 2.9784385  | 24  | 5 | 1985–1996 | 0.69 | M-v | 2 | Williams | 25652 | 1995 OA <sub>2</sub>  |
| 1995 QY <sub>9</sub>  | 7.0  | 961113 | 345.20354 | 27.87613  | 342.06256 | 4.82230  | 0.2784146 | 40.2594737 | 37  | 2 | 1995–1996 | 0.51 | M-v | 5 | Marsden  | 27937 | 1995 QY <sub>9</sub>  |
| 1995 SK <sub>5</sub>  | 13.5 | 961113 | 216.11937 | 259.63248 | 303.83057 | 11.68256 | 0.1380760 | 2.6124007  | 39  | 4 | 1990–1996 | 0.63 | M-v | 2 | Williams | 27937 | 1995 SK <sub>5</sub>  |
| 1996 EN               | 16.5 | 961113 | 53.04383  | 125.06692 | 164.25032 | 37.95153 | 0.4310682 | 1.5065573  | 233 | 2 | 1996–1996 | 0.56 | M-v | 2 | Williams | 27920 | 1996 EN               |
| 1996 HR               | 13.5 | 961113 | 194.78019 | 345.75983 | 81.85859  | 6.02856  | 0.0969218 | 2.7323831  | 34  | 3 | 1962–1996 | 0.63 | M-v | 4 | Marsden  | 27731 | 1996 HR               |
| 1996 HT <sub>17</sub> | 13.0 | 961113 | 181.36282 | 294.21205 | 143.95566 | 2.65955  | 0.0411368 | 2.8722318  | 15  | 4 | 1984–1996 | 0.91 | M-v | 2 | Marsden  | 27720 | 1996 HT <sub>17</sub> |

|                       |      |        |           |           |           |          |           |             |     |   |           |      |     |   |          |       |                       |
|-----------------------|------|--------|-----------|-----------|-----------|----------|-----------|-------------|-----|---|-----------|------|-----|---|----------|-------|-----------------------|
| 1996 HD <sub>21</sub> | 14.0 | 961113 | 11.64891  | 215.61345 | 60.95138  | 4.45989  | 0.2200900 | 2.5953188   | 25  | 5 | 1976–1996 | 0.73 | M-v | 2 | Marsden  | 27731 | 1996 HD <sub>21</sub> |
| 1996 HJ <sub>23</sub> | 14.5 | 961113 | 310.62866 | 212.20362 | 142.41623 | 3.09131  | 0.2645274 | 2.3423213   | 17  | 2 | 1984–1996 | 0.93 | M-v | 6 | Marsden  | 27938 | 1996 HJ <sub>23</sub> |
| 1996 JA <sub>1</sub>  | 21.0 | 961113 | 32.62678  | 245.61614 | 58.75108  | 22.08387 | 0.6998517 | 2.5595774   | 347 | 1 | 5 days    | 0.75 | M-v | 4 | Williams | 27569 | 1996 JA <sub>1</sub>  |
| 1996 JD <sub>1</sub>  | 15.0 | 961113 | 7.04795   | 121.76850 | 165.24859 | 3.72376  | 0.1337601 | 2.2647278   | 20  | 3 | 1989–1996 | 0.61 | M-v | 3 | Williams | 27569 | 1996 JD <sub>1</sub>  |
| 1996 KE               | 19.0 | 961113 | 37.80757  | 197.77028 | 56.63538  | 24.31054 | 0.5371205 | 2.5648425   | 78  | 1 | 60 days   | 0.68 | M-v | 5 | Marsden  | 27569 | 1996 KE               |
| 1996 ON               | 15.5 | 961113 | 10.65986  | 71.36315  | 269.72400 | 3.81255  | 0.2501190 | 2.3857933   | 65  | 2 | 1978–1996 | 0.45 | M-v | 4 | Marsden  | 27938 | 1996 ON               |
| 1996 OO <sub>2</sub>  | 12.5 | 961113 | 22.41659  | 70.56036  | 325.21952 | 9.97496  | 0.1291235 | 3.1551684   | 26  | 5 | 1973–1996 | 0.57 | M-v | 2 | Williams | 27922 | 1996 OO <sub>2</sub>  |
| 1996 PA               | 16.0 | 961113 | 50.25125  | 153.06985 | 143.91795 | 19.33243 | 0.2992220 | 1.9040247   | 198 | 2 | 1988–1996 | 0.51 | M-v | 3 | Marsden  | 27922 | 1996 PA               |
| 1996 PD               | 14.0 | 961113 | 2.73246   | 224.94503 | 117.50942 | 9.53014  | 0.2273094 | 2.7349083   | 30  | 2 | 1994–1996 | 0.31 | M-v | 3 | Williams | 27923 | 1996 PD               |
| 1996 PK               | 14.5 | 961113 | 172.21254 | 203.60146 | 7.65984   | 3.04088  | 0.0832189 | 2.3132668   | 35  | 2 | 1991–1996 | 0.52 | M-v | 4 | Williams | 27923 | 1996 PK               |
| 1996 PW               | 14.0 | 961113 | 0.01650   | 181.88999 | 144.47398 | 29.81346 | 0.9921231 | 321.8628949 | 213 | 1 | 65 days   | 0.48 | M-v |   | Williams | 27938 | 1996 PW               |
| 1996 PC <sub>1</sub>  | 21.0 | 961113 | 17.54818  | 45.58960  | 326.45002 | 25.13696 | 0.4513420 | 1.8402506   | 130 | 1 | 60 days   | 0.61 | M-v | 5 | Marsden  | 27938 | 1996 PC <sub>1</sub>  |
| 1996 PL <sub>2</sub>  | 15.0 | 961113 | 282.96392 | 311.86747 | 125.65864 | 5.13555  | 0.0691841 | 2.3270814   | 23  | 3 | 1975–1996 | 0.64 | M-v | 4 | Williams | 27938 | 1996 PL <sub>2</sub>  |
| 1996 PY <sub>6</sub>  | 15.0 | 961113 | 34.50016  | 283.48509 | 30.22942  | 23.21332 | 0.2329140 | 2.3097277   | 20  | 2 | 1992–1996 | 0.64 | M-v | 3 | Williams | 27924 | 1996 PY <sub>6</sub>  |
| 1996 PZ <sub>6</sub>  | 15.0 | 961113 | 14.50422  | 266.17815 | 86.78463  | 23.81334 | 0.1164867 | 1.9466486   | 17  | 2 | 1977–1996 | 0.69 | M-v | 4 | Williams | 27924 | 1996 PZ <sub>6</sub>  |
| 1996 QQ <sub>1</sub>  | 14.0 | 961113 | 355.14396 | 273.00687 | 108.85557 | 2.13784  | 0.2016018 | 3.1277183   | 41  | 2 | 1991–1996 | 0.56 | M-v | 4 | Marsden  | 27924 | 1996 QQ <sub>1</sub>  |
| 1996 RB               | 13.5 | 961113 | 16.99186  | 0.81228   | 323.19321 | 8.06237  | 0.3156936 | 2.8732430   | 16  | 3 | 1984–1996 | 0.66 | M-v | 3 | Williams | 27924 | 1996 RB               |
| 1996 RL <sub>4</sub>  | 15.0 | 961113 | 353.93232 | 21.30524  | 355.97101 | 11.59854 | 0.1770031 | 2.5538373   | 23  | 2 | 1992–1996 | 0.69 | M-v | 5 | Williams | 27925 | 1996 RL <sub>4</sub>  |
| 1996 SD <sub>1</sub>  | 13.0 | 961113 | 68.11633  | 289.18687 | 21.70513  | 10.45136 | 0.1157020 | 3.0297354   | 30  | 5 | 1974–1996 | 0.63 | M-v | 1 | Williams | 27925 | 1996 SD <sub>1</sub>  |
| 2561 P-L              | 13.0 | 961113 | 218.51743 | 159.90313 | 24.08792  | 13.14403 | 0.0656326 | 2.7111783   | 19  | 4 | 1960–1996 | 0.77 | M-v | 4 | Williams | 23686 | 2561 P-L              |
| 2778 P-L              | 14.5 | 961113 | 20.05150  | 88.02535  | 167.74740 | 1.61933  | 0.0243666 | 2.3964542   | 15  | 3 | 1960–1996 | 0.59 | M-v | 5 | Marsden  | 27320 | 2778 P-L              |
| 3074 P-L              | 12.5 | 961113 | 201.10215 | 319.03215 | 226.81538 | 9.45689  | 0.0514645 | 2.9697245   | 19  | 7 | 1960–1996 | 0.95 | M-v | 1 | Williams | 23686 | 3074 P-L              |
| 4025 P-L              | 14.5 | 961113 | 288.46983 | 237.82324 | 197.07806 | 7.53230  | 0.0654643 | 2.2125056   | 23  | 3 | 1960–1996 | 0.79 | M-v | 5 | Williams | 25341 | 4025 P-L              |
| 4030 P-L              | 13.5 | 961113 | 350.23225 | 68.19894  | 292.71716 | 2.75015  | 0.0923127 | 2.7411875   | 19  | 3 | 1960–1996 | 0.56 | M-v | 4 | Williams | 27724 | 4030 P-L              |
| 4072 P-L              | 15.0 | 961113 | 109.36510 | 18.68013  | 235.85762 | 2.59655  | 0.2257042 | 2.3451052   | 24  | 3 | 1960–1996 | 0.62 | M-v | 5 | Williams | 20829 | 4072 P-L              |
| 4116 P-L              | 15.0 | 961113 | 49.70807  | 109.13378 | 227.00922 | 1.17992  | 0.2434367 | 2.1973136   | 31  | 5 | 1960–1996 | 0.64 | M-v | 2 | Williams | 25229 | 4116 P-L              |
| 4599 P-L              | 14.0 | 961113 | 327.89878 | 32.90006  | 12.61591  | 5.57435  | 0.0980711 | 2.7301973   | 20  | 3 | 1960–1996 | 0.27 | M-v | 3 | Williams | 27926 | 4599 P-L              |
| 5016 P-L              | 15.5 | 961113 | 174.05391 | 204.96033 | 14.51362  | 4.92895  | 0.1080532 | 2.1988549   | 19  | 3 | 1960–1996 | 0.91 | M-v | 5 | Williams | 22701 | 5016 P-L              |
| 6531 P-L              | 15.0 | 961113 | 9.74591   | 19.64711  | 16.50925  | 4.70976  | 0.0682445 | 2.1950220   | 24  | 3 | 1960–1996 | 0.89 | M-v | 4 | Williams | 22701 | 6531 P-L              |
| 6600 P-L              | 15.0 | 961113 | 204.14911 | 137.11548 | 64.40205  | 1.96083  | 0.0645346 | 2.1919079   | 24  | 3 | 1960–1996 | 1.03 | M-v | 4 | Williams | 22701 | 6600 P-L              |
| 6629 P-L              | 10.5 | 961113 | 271.37635 | 330.45462 | 162.65607 | 4.20296  | 0.0054178 | 5.1813124   | 23  | 3 | 1960–1996 | 0.81 | M-v | 4 | Williams | 24757 | 6629 P-L              |
| 1102 T-1              | 15.0 | 961113 | 19.38445  | 49.68714  | 214.33161 | 6.29483  | 0.0904842 | 2.3217027   | 21  | 3 | 1971–1996 | 0.72 | M-v | 5 | Marsden  | 27732 | 1102 T-1              |
| 2213 T-1              | 12.5 | 961113 | 75.01549  | 309.85312 | 5.55578   | 8.52400  | 0.0945448 | 3.1699036   | 38  | 6 | 1953–1996 | 0.64 | M-v | 1 | Williams | 25540 | 2213 T-1              |
| 3077 T-1              | 14.0 | 961113 | 167.26248 | 174.84190 | 20.58679  | 0.72803  | 0.1229216 | 3.1926036   | 34  | 4 | 1954–1996 | 0.70 | M-v | 2 | Williams | 27926 | 3077 T-1              |
| 1125 T-2              | 14.0 | 961113 | 19.03187  | 179.40272 | 192.71677 | 0.96105  | 0.1724958 | 3.1859738   | 23  | 3 | 1973–1996 | 0.86 | M-v | 4 | Williams | 22087 | 1125 T-2              |
| 1166 T-2              | 15.5 | 961113 | 80.51794  | 283.15749 | 356.36508 | 7.12568  | 0.1886815 | 2.4451659   | 31  | 3 | 1973–1996 | 0.82 | M-v | 5 | Williams | 24403 | 1166 T-2              |
| 1316 T-2              | 17.0 | 961113 | 353.28933 | 19.84858  | 21.68772  | 1.49989  | 0.1848904 | 2.4441663   | 33  | 3 | 1973–1996 | 0.78 | M-v | 5 | Williams | 24236 | 1316 T-2              |
| 2257 T-2              | 14.5 | 961113 | 240.11829 | 108.38521 | 22.55045  | 3.44281  | 0.1308752 | 2.4649612   | 25  | 3 | 1973–1996 | 0.95 | M-v | 6 | Williams | 27939 | 2257 T-2              |
| 3060 T-2              | 14.5 | 961113 | 259.63704 | 65.28175  | 71.87098  | 2.96038  | 0.1574734 | 2.4405050   | 45  | 5 | 1973–1996 | 1.08 | M-v | 3 | Williams | 21978 | 3060 T-2              |
| 3290 T-2              | 13.0 | 961113 | 230.18542 | 127.31271 | 31.57741  | 6.26157  | 0.0391564 | 3.1837906   | 33  | 3 | 1973–1996 | 0.85 | M-v | 5 | Williams | 22088 | 3290 T-2              |
| 3365 T-2              | 14.0 | 961113 | 322.39292 | 10.40494  | 52.81922  | 2.35381  | 0.1659877 | 3.1949291   | 24  | 3 | 1973–1996 | 0.95 | M-v | 5 | Marsden  | 21978 | 3365 T-2              |
| 4090 T-2              | 14.5 | 961113 | 81.49206  | 149.82956 | 102.30319 | 3.79586  | 0.1572553 | 2.4688053   | 22  | 2 | 1973–1996 | 0.88 | M-v | 5 | Williams | 27724 | 4090 T-2              |
| 4272 T-2              | 15.0 | 961113 | 289.13676 | 2.89122   | 119.06786 | 2.58377  | 0.1174139 | 2.1999274   | 19  | 4 | 1954–1996 | 0.96 | M-v | 3 | Williams | 23681 | 4272 T-2              |
| 5006 T-2              | 12.5 | 961113 | 0.06689   | 125.85119 | 307.76540 | 8.90391  | 0.2147465 | 3.1433122   | 30  | 5 | 1973–1996 | 0.54 | M-v | 1 | Williams | 16038 | 5006 T-2              |
| 5069 T-2              | 13.5 | 961113 | 334.01882 | 163.76595 | 238.69999 | 7.26525  | 0.2184608 | 2.7785736   | 29  | 5 | 1973–1996 | 0.81 | M-v | 1 | Williams | 23540 | 5069 T-2              |
| 5493 T-2              | 10.5 | 961113 | 356.63455 | 56.08876  | 323.14802 | 13.15920 | 0.0483442 | 5.1234041   | 22  | 6 | 1955–1996 | 0.82 | M-v | 1 | Bardwell | 25540 | 5493 T-2              |
| 2122 T-3              | 16.0 | 961113 | 76.44763  | 319.85683 | 240.20599 | 2.79530  | 0.0784281 | 2.2339569   | 15  | 4 | 1976–1996 | 0.72 | M-v | 2 | Williams | 27928 | 2122 T-3              |
| 3134 T-3              | 15.0 | 961113 | 65.80342  | 130.37503 | 188.58423 | 3.66764  | 0.1962479 | 2.1480763   | 29  | 5 | 1977–1996 | 0.87 | M-v | 2 | Williams | 22972 | 3134 T-3              |
| 3196 T-3              | 15.0 | 961113 | 75.38407  | 225.12829 | 80.66190  | 2.34337  | 0.1871341 | 2.4232708   | 27  | 3 | 1977–1996 | 0.76 | M-v | 5 | Williams | 22088 | 3196 T-3              |
| 3474 T-3              | 15.0 | 961113 | 203.77097 | 140.73292 | 59.73853  | 3.21598  | 0.1620072 | 2.4184184   | 15  | 5 | 1953–1996 | 0.97 | M-v | 3 | Williams | 27732 | 3474 T-3              |

## NEW NAMES OF MINOR PLANETS

**(3829) Gunma = 1988 EM**

Discovered 1988 Mar. 10 by T. Kojima at Chiyoda.

Named for the prefecture in central Japan that is home to the discoverer. A public astronomical observatory under construction in Gunma will include a 1.5-m telescope, the largest in Japan for public use. This telescope will also be used for astronomical research and discovery.

**(3995) Sakaino = 1988 XM**

Discovered 1988 Dec. 5 by T. Kojima at Chiyoda.

Named in honor of Teruo Sakaino (b. 1917), a glass and ceramics chemist, professor emeritus of the Tokyo Institute of Technology and of the Wuhan (China) University of Engineering, known for his research on amorphous materials. In particular, he developed quantitative methods for estimating the quality of optical glass. He is also an amateur astronomer and a former teacher of the discoverer at the T.I.T.

**(4109) Anokhin = 1969 OW**

Discovered 1969 July 17 by B. A. Burnasheva at the Crimean Astrophysical Observatory.

Named in memory of Sergej Nikolaevich Anokhin (1910–1986), test pilot and sportsman. During one of his test flights he lost an eye, but he later reverted to test work. During the last years of his life he was a trainer of the Soviet cosmonauts.

**(4136) Artmane = 1968 FJ**

Discovered 1968 Mar. 28 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Named in honor of Vija Artmane, famous Latvian actress who appeared in more than 60 movies. *Rodnaya krov'* (The Family Blood), in which she took the leading role, was honored with the Eric Johnston prize at the fourth international movie festival, held in Argentina in 1964.

**(4139) Ul'yanin = 1975 VE<sub>2</sub>**

Discovered 1975 Nov. 2 by T. M. Smirnova at the Crimean Astrophysical Observatory.

Named in memory of Sergej Alekseevich Ul'yanin (1871–1921), Russian pilot and talented inventor, who graduated from the Farman pilot school in France in 1910. Two of his projects involved the design of new airlines, one of which was realized. He also designed a radio navigation system for airplanes in flight, as well as apparatus for air photography.

**(4194) Sweitzer = 1982 RE**

Discovered 1982 Sept. 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Paul A. Sweitzer (b. 1936) on the occasion of his 60th birthday. Sweitzer served as a reporter on the *Arizona Daily Sun* during 1958–1994, covering news, sports, the performing arts, religion, education, law enforcement and the courts. During that time he made a special effort to report on events and astronomical discoveries at the Lowell Observatory, and in the course of his work he developed warm relationships with many of Lowell's staff. His love of music, especially opera, has led him to become an unfailing supporter, through reviews and informative articles, of the Flagstaff Symphony Orchestra. Name suggested by A.-M. Malotki, endorsed by W. L. Putnam.

**(4465) Rodita = 1969 TD<sub>5</sub>**

Discovered 1969 Oct. 14 by B. A. Burnasheva at the Crimean Astrophysical Observatory.

Named in memory of the Soviet art critic Tat'yana Mikhajlovna Rodina (1914–1989). She was the author of *Russian Theatre Art at the Beginning of the 19th Century* and *Blok and Russian Theatre of the Beginning of the 20th Century*, as well as of numerous papers in the *Great Soviet Encyclopedia* and the *Theatre Encyclopedia*.

**(4481) Herbelin = 1985 RR**

Discovered 1985 Sept. 14 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Claude Herbelin (b. 1931), of Neuchâtel, on the occasion of his 65th birthday (1996 Dec. 13). A friend of the discoverer and brother of the discoverer's companion Anne-Marie Malotki, Herbelin is an electrotechnical engineer by profession. He is also an enthusiastic telecommunications specialist (frequency standards, chronometry) and mountain skier and hiker. Citation provided by S. Herbelin and C. Gassmann-Herbelin.

**(4570) Runcorn = 1985 PR**

Discovered 1985 Aug. 14 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in memory of Stanley Keith Runcorn (1922–1995), British geophysicist. Runcorn's research centered on the magnetic properties of rocks. He used their paleomagnetic signatures to make an important contribution to the emerging theory of plate tectonics, and he also studied the magnetism of the moon, convection in planetary interiors, and geomagnetic polarity reversals. For many years head of the department of physics at the University of Newcastle-upon-Tyne, Runcorn was celebrated for his organization of NATO-sponsored international scientific discussion meetings.

**(5075) Goryachev = 1969 TN<sub>4</sub>**

Discovered 1969 Oct. 13 by B. A. Burnasheva at the Crimean Astrophysical Observatory.

Named in memory of Nikolaj Nikanorovich Goryachev (1883–1940), professor of astronomy at Tomsk University, who in 1920 founded and until 1940 headed the department of astronomy. He is the author of numerous papers on celestial mechanics, comets, meteors and astrometry. In particular, he was known for his work on Halphen's method for computing secular perturbations and his application of this to (1) Ceres. For more than 20 years Goryachev delivered lectures on astronomy and geodesy at Tomsk University and Tomsk Polytechnic Institute.

**(5301) Novobranets = 1974 SD<sub>3</sub>**

Discovered 1974 Sept. 20 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Named in honor of Vasilij Andreevich Novobranets (1904–1984), Russian and Ukrainian writer.

**(5865) Qualytemocrina = 1984 QQ**

Discovered 1984 Aug. 31 by A. Mrkos at Kleť.

Named for the *International Comet Quarterly*, which serves as an international archive of photometric data on comets, striving to maintain a useful bridge between amateur and professional astronomers; the naming occurs with the journal's century issue. Qualytemocrina is a play on the journal's title, each letter of the title being used and with a combination of word-order and letter-order reversal. The discoverer of this object was one of the most prolific comet discoverers and astrometrists of

recent decades. Name suggested by D. W. E. Green, who made the key identification for this minor planet.

**(5871) Bobbell = 1989 CE<sub>2</sub>**

Discovered 1989 Feb. 11 by E. F. Helin at Palomar.

Named in honor of Robert L. Bell, friend and associate of the discoverer's husband. Bob Bell graduated from the California Institute of Technology with a B.S. in physics and an M.S. in applied mechanics, which he promptly utilized to invent pressure-sensing devices to monitor automobile-engine functions, enabling us to drive efficiently down our highways. More recently he has joined the astronomical community with his own private dome and CCD-equipped telescope. Bob is the quintessential entrepreneur, applying and promoting new ideas to solve problems.

**(6318) Cronkite = 1990 WA**

Discovered 1990 Nov. 18 by E. F. Helin at Palomar.

Named in honor of Walter Cronkite (b.1916), whose integrity and unflappable character during his 60-year career in radio and television journalism have won him the acclaim and trust of his colleagues and the American public alike. Cronkite worked for the United Press during World War II, taking part in the Normandy beachhead assaults and flying in B-17 raids. In 1950 he joined CBS News, becoming anchor of the then-15-minute-long 'CBS Evening News' in 1962. The following year this became U.S. network television's first half-hour weeknight news broadcast, marking the debut of the new format with Cronkite's interview of President Kennedy. Since retiring as news anchor in the early 1980s, Cronkite has produced and narrated dozens of award-winning programs.

**(6445) Bellmore = 1990 FS<sub>1</sub>**

Discovered 1990 Mar. 23 by E. F. Helin at Palomar.

Named in honor of Tamara Bell and Michael More on the occasion of their wedding. They are recent graduates of the University of Arizona with degrees in political science and geology. The discoverer and her husband wish the newlyweds a harmonious marriage and rewarding careers.

**(6521) Pina = 1991 LC<sub>1</sub>**

Discovered 1991 June 15 by E. F. Helin at Palomar.

Named in honor of Pina Toscano Blanco, regular "accompanying person" at astronomical meetings during the last 25 years. Her continuous presence has made her a supporting member of the "wives' committees" that do so much to improve such meetings. Name suggested by Pina's husband, Carlo Blanco, with the blessing of the discoverer.

**(6522) Aci = 1991 NQ**

Discovered 1991 July 9 by E. F. Helin at Palomar.

Named for a river southeast of Mount Etna, and also honoring the many towns and villages along it that contain the name: Acicastello, Acitrezza, Acireale, Acibonaccorsi, Acicatena, Aci Sant'Antonio and Aci Santo Filippo. The modern-day river evokes the myth of Aci (or Acis), the young Sicilian shepherd who was in love with Galatea, a Nereid. The jealous cyclops Polyphemus hurled a large rock and killed Aci, whose blood was transformed into an underground river that plunged into the Ionian Sea to hug his beloved Galatea. Name proposed by the discoverer, following a suggestion by Carlo Blanco.

**(6645) Arcetri = 1991 AR<sub>1</sub>**

Discovered 1991 Jan. 11 by E. F. Helin at Palomar.

Named for the Florence Observatory, moved in 1872 from the center of the city to Arcetri, near the house in which Galileo died. The original observatory, La Specola,

was also associated with Galileo, and nineteenth-century directors included the comet hunters Pons, Donati and Tempel. It was Donati who moved the observatory to its present location.

**(6731) Hiei = 1992 BK**

Discovered 1992 Jan. 24 by Y. Kushida and O. Muramatsu at Yatsugatake South Base Observatory.

Named in honor of Eijiro Hiei (b.1931), professor at Meisei University and professor emeritus of the National Astronomical Observatory of Japan. A solar physicist best known for his research on white-light flares, Hiei was the fourth director (1982–1992) of the Norikura Solar Observatory, where he conducted coronagraphic studies. Name proposed by the discoverers following a suggestion by T. Sakurai.

**(6771) Foerster = 1986 EZ<sub>4</sub>**

Discovered 1986 Mar. 9 by C.-I. Lagerkvist at Siding Spring.

Named in honor of Wilhelm Julius Foerster (1832–1921), director of the Berlin Observatory for nearly 40 years. He made measurements of star positions and in 1860 was a codiscoverer of (62) Erato. He was a strong campaigner for the organized rapid and reliable telegraphic dissemination of urgent astronomical news and arranged for the establishment of the Astronomische Zentralstelle in Kiel. In 1889 he founded the Berlin "Urania", the first large public observatory, equipped with a 0.30-m refractor. This minor planet is being named on the occasion of the 50th anniversary of the "Wilhelm-Foerster-Sternwarte e.V.". Citation prepared in part by W. Tost.

**(6809) Sakuma = 1938 DM<sub>1</sub>**

Discovered 1938 Feb. 20 by K. Reinmuth at Heidelberg.

Named in honor of Seiichi Sakuma (b.1929), a Japanese amateur astronomer and an eminent observer of variable stars since 1942. Sakuma played the principal role in founding the Variable Star Observers League in Japan, publishing its *Variable Star Bulletin* and constructing its database of more than one million Japanese observations of some 4000 variable stars. This database contains observations back to 1906 and includes more than 30 000 magnitude estimates by Sakuma. Name proposed by H. Oishi, who made the principal identifications involving this minor planet.

**(7097) Yatsuka = 1993 TF**

Discovered 1993 Oct. 8 by H. Abe and S. Miyasaka at Yatsuka.

Named for the first discoverer's home town, in the eastern part of Shimane prefecture, known for its production of ginseng and peonies.

**EPHEMERIDES**

| C/1996 Q1 (Tabur) |    |                 |                 |          |       | Elements MPC 28052 |        |       |  |
|-------------------|----|-----------------|-----------------|----------|-------|--------------------|--------|-------|--|
| Date              | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$         | $\phi$ | $m_1$ |  |
| 1996 10 24        |    | 14 11.19        | +47 17.6        | 0.630    | 0.863 | 59.2               | 82.0   | 5.9   |  |
| 1996 10 29        |    | 14 44.88        | +42 20.0        | 0.736    | 0.846 | 56.3               | 77.4   | 6.1   |  |
| 1996 11 03        |    | 15 06.24        | +38 02.6        | 0.846    | 0.840 | 53.7               | 72.1   | 6.4   |  |
| 1996 11 08        |    | 15 20.77        | +34 21.8        | 0.955    | 0.844 | 51.4               | 66.5   | 6.7   |  |
| 1996 11 13        |    | 15 31.31        | +31 10.1        | 1.061    | 0.858 | 49.3               | 61.0   | 7.0   |  |
| 1996 11 18        |    | 15 39.37        | +28 21.4        | 1.161    | 0.882 | 47.6               | 55.9   | 7.3   |  |
| 1996 11 23        |    | 15 45.82        | +25 51.2        | 1.255    | 0.915 | 46.3               | 51.3   | 7.6   |  |
| 1996 11 28        |    | 15 51.21        | +23 36.6        | 1.340    | 0.955 | 45.4               | 47.3   | 7.9   |  |
| 1996 12 03        |    | 15 55.84        | +21 35.3        | 1.417    | 1.001 | 44.9               | 44.1   | 8.3   |  |
| 1996 12 08        |    | 15 59.90        | +19 46.0        | 1.485    | 1.052 | 45.0               | 41.4   | 8.6   |  |
| 1996 12 13        |    | 16 03.50        | +18 07.5        | 1.545    | 1.107 | 45.5               | 39.4   | 8.9   |  |
| 1996 12 18        |    | 16 06.67        | +16 38.8        | 1.596    | 1.165 | 46.6               | 37.9   | 9.2   |  |

## M.P.C. 28091

|            |          |          |       |       |      |      |      |
|------------|----------|----------|-------|-------|------|------|------|
| 1996 12 23 | 16 09.45 | +15 18.8 | 1.638 | 1.225 | 48.2 | 36.7 | 9.5  |
| 1996 12 28 | 16 11.84 | +14 06.9 | 1.673 | 1.288 | 50.2 | 35.9 | 9.7  |
| 1997 01 02 | 16 13.81 | +13 02.4 | 1.700 | 1.352 | 52.6 | 35.3 | 10.0 |

| 1996 TO <sub>5</sub> |    |                 |                 |          |       |            |        |
|----------------------|----|-----------------|-----------------|----------|-------|------------|--------|
| Date                 | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ |
| 1996 10 24           |    | 21 08.46        | -23 21.3        | 0.779    | 1.381 | 101.6      | 44.8   |
| 1996 11 03           |    | 21 26.05        | -25 55.8        | 0.802    | 1.326 | 94.7       | 48.2   |
| 1996 11 13           |    | 21 48.49        | -27 47.7        | 0.823    | 1.276 | 89.0       | 50.9   |
| 1996 11 23           |    | 22 15.25        | -28 55.9        | 0.840    | 1.232 | 84.4       | 52.9   |
| 1996 12 03           |    | 22 45.69        | -29 19.1        | 0.853    | 1.197 | 80.9       | 54.4   |
| 1996 12 13           |    | 23 19.18        | -28 54.7        | 0.861    | 1.171 | 78.4       | 55.5   |
| 1996 12 23           |    | 23 55.06        | -27 41.0        | 0.867    | 1.155 | 77.0       | 56.0   |
| 1997 01 02           |    | 00 32.60        | -25 36.8        | 0.871    | 1.151 | 76.5       | 56.1   |
| 1997 01 12           |    | 01 11.21        | -22 42.7        | 0.878    | 1.158 | 76.7       | 55.7   |
| 1997 01 22           |    | 01 50.33        | -19 03.4        | 0.889    | 1.177 | 77.6       | 54.8   |
| 1997 02 01           |    | 02 29.44        | -14 47.9        | 0.910    | 1.205 | 78.9       | 53.3   |
| 1997 02 11           |    | 03 08.16        | -10 09.9        | 0.942    | 1.243 | 80.2       | 51.5   |
| 1997 02 21           |    | 03 46.17        | -05 26.9        | 0.989    | 1.288 | 81.3       | 49.4   |
| 1997 03 03           |    | 04 23.14        | -00 56.3        | 1.052    | 1.340 | 81.9       | 47.1   |
| 1997 03 13           |    | 04 58.89        | +03 07.5        | 1.133    | 1.397 | 81.8       | 44.8   |
| 1997 03 23           |    | 05 33.23        | +06 35.3        | 1.230    | 1.457 | 81.0       | 42.5   |
| 1997 04 02           |    | 06 06.03        | +09 23.1        | 1.341    | 1.520 | 79.5       | 40.3   |
| 1997 04 12           |    | 06 37.26        | +11 31.3        | 1.466    | 1.585 | 77.4       | 38.1   |
| 1997 04 22           |    | 07 06.89        | +13 02.7        | 1.601    | 1.652 | 74.8       | 36.0   |

| 1996 SK    |    |                 |                 |          |       |            |        |
|------------|----|-----------------|-----------------|----------|-------|------------|--------|
| Date       | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ |
| 1996 10 24 |    | 21 40.34        | -12 48.8        | 0.778    | 1.476 | 112.2      | 38.6   |
| 1996 11 03 |    | 21 27.38        | -14 15.2        | 0.772    | 1.347 | 98.8       | 46.7   |
| 1996 11 13 |    | 21 19.25        | -15 16.6        | 0.763    | 1.212 | 86.5       | 54.6   |
| 1996 11 23 |    | 21 14.87        | -16 00.8        | 0.740    | 1.072 | 75.2       | 62.9   |
| 1996 12 03 |    | 21 12.01        | -16 39.9        | 0.699    | 0.928 | 64.3       | 73.1   |

| 1996 RG <sub>3</sub> |    |                 |                 |          |       |            |        |
|----------------------|----|-----------------|-----------------|----------|-------|------------|--------|
| Date                 | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ |
| 1996 10 24           |    | 21 46.03        | -19 00.7        | 0.452    | 1.233 | 111.3      | 48.7   |
| 1996 11 03           |    | 21 36.45        | -20 41.5        | 0.434    | 1.141 | 98.7       | 59.2   |
| 1996 11 13           |    | 21 31.37        | -22 02.2        | 0.410    | 1.052 | 87.2       | 69.9   |
| 1996 11 23           |    | 21 28.58        | -23 20.4        | 0.376    | 0.969 | 76.2       | 81.7   |
| 1996 12 03           |    | 21 23.66        | -25 02.0        | 0.331    | 0.895 | 64.7       | 95.8   |

| 1996 RR <sub>20</sub> |    |                 |                 |          |        |            |        |
|-----------------------|----|-----------------|-----------------|----------|--------|------------|--------|
| Date                  | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$    | $\epsilon$ | $\phi$ |
| 1996 10 24            |    | 22 52.50        | -07 05.5        | 42.126   | 42.783 | 130.8      | 1.0    |
| 1996 11 03            |    | 22 52.13        | -07 07.9        | 42.267   | 42.783 | 120.7      | 1.1    |
| 1996 11 13            |    | 22 51.90        | -07 09.5        | 42.424   | 42.783 | 110.6      | 1.2    |
| 1996 11 23            |    | 22 51.81        | -07 10.3        | 42.592   | 42.783 | 100.5      | 1.3    |
| 1996 12 03            |    | 22 51.88        | -07 10.1        | 42.764   | 42.783 | 90.4       | 1.3    |
| 1996 12 13            |    | 22 52.09        | -07 09.0        | 42.938   | 42.783 | 80.3       | 1.3    |
| 1996 12 23            |    | 22 52.45        | -07 07.0        | 43.106   | 42.783 | 70.2       | 1.2    |
| 1997 01 02            |    | 22 52.95        | -07 04.2        | 43.264   | 42.783 | 60.2       | 1.1    |

## 1996 OCT. 26

| 1996 TE <sub>9</sub> |    |                 |                 |          |       |            |        |
|----------------------|----|-----------------|-----------------|----------|-------|------------|--------|
| Date                 | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ |
| 1996 10 24           |    | 22 55.86        | +08 41.9        | 0.280    | 1.211 | 135.8      | 34.9   |
| 1996 11 03           |    | 22 51.91        | +19 02.2        | 0.329    | 1.219 | 127.0      | 40.5   |
| 1996 11 13           |    | 22 55.99        | +26 35.5        | 0.389    | 1.232 | 120.3      | 43.9   |
| 1996 11 23           |    | 23 06.76        | +32 11.3        | 0.456    | 1.252 | 115.3      | 45.5   |
| 1996 12 03           |    | 23 23.04        | +36 28.9        | 0.526    | 1.277 | 111.6      | 45.9   |
| 1996 12 13           |    | 23 44.08        | +39 52.5        | 0.601    | 1.307 | 108.6      | 45.5   |
| 1996 12 23           |    | 00 09.34        | +42 37.0        | 0.678    | 1.340 | 106.1      | 44.8   |

| 1996 SZ <sub>4</sub> |    |                 |                 |          |        |            |        |
|----------------------|----|-----------------|-----------------|----------|--------|------------|--------|
| Date                 | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$    | $\epsilon$ | $\phi$ |
| 1996 10 24           |    | 00 37.41        | +03 32.3        | 29.644   | 30.575 | 159.1      | 0.7    |
| 1996 11 03           |    | 00 36.55        | +03 27.2        | 29.721   | 30.574 | 148.9      | 1.0    |
| 1996 11 13           |    | 00 35.80        | +03 22.8        | 29.825   | 30.574 | 138.6      | 1.2    |
| 1996 11 23           |    | 00 35.20        | +03 19.4        | 29.951   | 30.574 | 128.4      | 1.5    |
| 1996 12 03           |    | 00 34.77        | +03 17.2        | 30.097   | 30.574 | 118.1      | 1.6    |
| 1996 12 13           |    | 00 34.52        | +03 16.1        | 30.257   | 30.574 | 107.9      | 1.8    |
| 1996 12 23           |    | 00 34.49        | +03 16.4        | 30.426   | 30.573 | 97.7       | 1.8    |
| 1997 01 02           |    | 00 34.66        | +03 18.0        | 30.599   | 30.573 | 87.6       | 1.8    |
| 1997 01 12           |    | 00 35.04        | +03 20.9        | 30.771   | 30.573 | 77.5       | 1.8    |
| 1997 01 22           |    | 00 35.62        | +03 25.0        | 30.936   | 30.573 | 67.5       | 1.7    |

| 1996 RQ <sub>20</sub> |    |                 |                 |          |        |            |        |
|-----------------------|----|-----------------|-----------------|----------|--------|------------|--------|
| Date                  | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$    | $\epsilon$ | $\phi$ |
| 1996 10 24            |    | 00 40.04        | +04 10.0        | 39.759   | 40.695 | 159.9      | 0.5    |
| 1996 11 03            |    | 00 39.28        | +04 06.7        | 39.842   | 40.702 | 149.7      | 0.7    |
| 1996 11 13            |    | 00 38.61        | +04 03.9        | 39.952   | 40.710 | 139.5      | 0.9    |
| 1996 11 23            |    | 00 38.05        | +04 01.8        | 40.085   | 40.717 | 129.3      | 1.1    |
| 1996 12 03            |    | 00 37.61        | +04 00.5        | 40.237   | 40.725 | 119.1      | 1.2    |
| 1996 12 13            |    | 00 37.32        | +04 00.1        | 40.404   | 40.732 | 108.8      | 1.3    |
| 1996 12 23            |    | 00 37.18        | +04 00.6        | 40.580   | 40.740 | 98.6       | 1.4    |
| 1997 01 02            |    | 00 37.19        | +04 02.1        | 40.762   | 40.747 | 88.5       | 1.4    |
| 1997 01 12            |    | 00 37.36        | +04 04.7        | 40.942   | 40.754 | 78.3       | 1.4    |
| 1997 01 22            |    | 00 37.69        | +04 08.2        | 41.117   | 40.762 | 68.2       | 1.3    |

| 129P/Shoemaker-Levy 3 |    |                 |                 |          |       |            |        |
|-----------------------|----|-----------------|-----------------|----------|-------|------------|--------|
| Date                  | TT | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$ | $\phi$ |
| 1996 10 24            |    | 01 34.86        | +17 17.1        | 2.621    | 3.610 | 172.6      | 2.0    |
| 1996 11 03            |    | 01 27.96        | +16 35.4        | 2.623    | 3.587 | 164.1      | 4.3    |
| 1996 11 13            |    | 01 21.90        | +15 52.8        | 2.654    | 3.565 | 153.1      | 7.2    |
| 1996 11 23            |    | 01 17.24        | +15 13.7        | 2.711    | 3.542 | 142.1      | 9.9    |
| 1996 12 03            |    | 01 14.33        | +14 41.6        | 2.790    | 3.519 | 131.3      | 12.2   |
| 1996 12 13            |    | 01 13.36        | +14 19.0        | 2.888    | 3.497 | 120.8      | 14.0   |
| 1996 12 23            |    | 01 14.38        | +14 07.4        | 2.999    | 3.474 | 110.9      | 15.3   |
| 1997 01 02            |    | 01 17.29        | +14 07.0        | 3.119    | 3.451 | 101.4      | 16.2   |
| 1997 01 12            |    | 01 21.98        | +14 17.6        | 3.244    | 3.429 | 92.4       | 16.7   |
| 1997 01 22            |    | 01 28.28        | +14 38.2        | 3.369    | 3.406 | 83.8       | 16.7   |
| 1997 02 01            |    | 01 36.01        | +15 07.6        | 3.491    | 3.384 | 75.6       | 16.4   |
| 1997 02 11            |    | 01 45.02        | +15 44.4        | 3.609    | 3.361 | 67.7       | 15.8   |
| 1997 02 21            |    | 01 55.16        | +16 27.3        | 3.718    | 3.339 | 60.2       | 14.9   |
| 1997 03 03            |    | 02 06.28        | +17 14.8        | 3.818    | 3.317 | 52.9       | 13.8   |
| 1997 03 13            |    | 02 18.29        | +18 05.6        | 3.907    | 3.295 | 46.0       | 12.5   |

|            |          |          |       |       |      |      |      |
|------------|----------|----------|-------|-------|------|------|------|
| 1997 03 23 | 02 31.09 | +18 58.4 | 3.984 | 3.273 | 39.2 | 11.1 | 19.7 |
| 1997 04 02 | 02 44.57 | +19 52.1 | 4.048 | 3.251 | 32.6 | 9.5  | 19.7 |

| <b>1996 TA<sub>9</sub></b> |          |                 |                 |          |            |          |             |
|----------------------------|----------|-----------------|-----------------|----------|------------|----------|-------------|
| Date                       | TT       | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$        | Elements | $MPC$ 28055 |
| $a, e, i = 2.59, 0.48, 12$ |          |                 |                 |          |            |          |             |
|                            |          |                 |                 |          | $\epsilon$ | $\phi$   | $V$         |
| 1996 10 24                 | 01 38.14 | +16 22.4        | 0.407           | 1.400    | 173.8      | 4.4      | 19.2        |
| 1996 11 03                 | 01 31.25 | +19 58.4        | 0.453           | 1.434    | 164.3      | 10.8     | 19.7        |
| 1996 11 13                 | 01 28.07 | +22 38.7        | 0.515           | 1.472    | 154.8      | 16.7     | 20.3        |
| 1996 11 23                 | 01 29.39 | +24 36.0        | 0.593           | 1.516    | 146.1      | 21.3     | 20.8        |
| 1996 12 03                 | 01 34.97 | +26 04.5        | 0.684           | 1.563    | 138.2      | 24.9     | 21.3        |

| <b>1996 TQ<sub>6</sub></b> |          |                 |                 |          |            |          |             |
|----------------------------|----------|-----------------|-----------------|----------|------------|----------|-------------|
| Date                       | TT       | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$        | Elements | $MPC$ 28055 |
| $a, e, i = 2.21, 0.39, 6$  |          |                 |                 |          |            |          |             |
|                            |          |                 |                 |          | $\epsilon$ | $\phi$   | $V$         |
| 1996 10 24                 | 01 59.18 | -02 11.4        | 0.364           | 1.350    | 166.0      | 10.3     | 19.6        |
| 1996 11 03                 | 02 02.69 | -03 25.0        | 0.380           | 1.355    | 159.9      | 14.5     | 19.9        |
| 1996 11 13                 | 02 07.10 | -03 42.0        | 0.409           | 1.366    | 152.8      | 19.4     | 20.2        |
| 1996 11 23                 | 02 13.47 | -03 03.6        | 0.451           | 1.383    | 145.7      | 23.7     | 20.6        |
| 1996 12 03                 | 02 22.20 | -01 40.7        | 0.503           | 1.406    | 139.1      | 27.3     | 21.0        |

| <b>1996 UK</b>             |          |                 |                 |          |            |          |             |
|----------------------------|----------|-----------------|-----------------|----------|------------|----------|-------------|
| Date                       | TT       | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$        | Elements | $MPC$ 28055 |
| $a, e, i = 2.65, 0.45, 11$ |          |                 |                 |          |            |          |             |
|                            |          |                 |                 |          | $\epsilon$ | $\phi$   | $V$         |
| 1996 10 24                 | 02 09.44 | +12 14.3        | 0.617           | 1.611    | 176.5      | 2.2      | 15.9        |
| 1996 11 03                 | 02 05.55 | +09 19.8        | 0.665           | 1.652    | 171.0      | 5.4      | 16.3        |
| 1996 11 13                 | 02 03.17 | +07 03.7        | 0.732           | 1.695    | 159.6      | 11.8     | 16.9        |
| 1996 11 23                 | 02 03.25 | +05 33.2        | 0.819           | 1.741    | 149.0      | 17.0     | 17.4        |
| 1996 12 03                 | 02 06.03 | +04 45.8        | 0.923           | 1.790    | 139.3      | 21.1     | 17.8        |
| 1996 12 13                 | 02 11.39 | +04 34.7        | 1.042           | 1.840    | 130.4      | 24.0     | 18.2        |
| 1996 12 23                 | 02 19.07 | +04 51.8        | 1.173           | 1.891    | 122.3      | 26.1     | 18.6        |
| 1997 01 02                 | 02 28.68 | +05 29.0        | 1.315           | 1.943    | 114.7      | 27.4     | 19.0        |
| 1997 01 12                 | 02 39.89 | +06 20.1        | 1.466           | 1.996    | 107.5      | 28.0     | 19.3        |
| 1997 01 22                 | 02 52.43 | +07 19.8        | 1.623           | 2.049    | 100.7      | 28.2     | 19.6        |
| 1997 02 01                 | 03 06.02 | +08 24.0        | 1.786           | 2.102    | 94.2       | 27.9     | 19.8        |
| 1997 02 11                 | 03 20.49 | +09 29.4        | 1.953           | 2.156    | 87.9       | 27.2     | 20.0        |
| 1997 02 21                 | 03 35.67 | +10 33.5        | 2.121           | 2.209    | 81.8       | 26.3     | 20.2        |
| 1997 03 03                 | 03 51.41 | +11 34.3        | 2.290           | 2.262    | 75.9       | 25.1     | 20.4        |
| 1997 03 13                 | 04 07.61 | +12 30.5        | 2.457           | 2.315    | 70.0       | 23.8     | 20.6        |
| 1997 03 23                 | 04 24.15 | +13 20.6        | 2.622           | 2.367    | 64.3       | 22.3     | 20.7        |

| <b>1996 TR<sub>6</sub></b> |          |                 |                 |          |            |          |             |
|----------------------------|----------|-----------------|-----------------|----------|------------|----------|-------------|
| Date                       | TT       | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$        | Elements | $MPC$ 28055 |
| $a, e, i = 1.58, 0.18, 22$ |          |                 |                 |          |            |          |             |
|                            |          |                 |                 |          | $\epsilon$ | $\phi$   | $V$         |
| 1996 10 24                 | 03 45.36 | -04 11.4        | 0.574           | 1.513    | 148.3      | 20.2     | 19.2        |
| 1996 11 03                 | 03 34.25 | -09 42.8        | 0.593           | 1.538    | 151.0      | 18.2     | 19.2        |
| 1996 11 13                 | 03 21.80 | -13 52.4        | 0.633           | 1.563    | 148.1      | 19.6     | 19.5        |
| 1996 11 23                 | 03 10.58 | -16 25.4        | 0.690           | 1.587    | 141.6      | 22.7     | 19.8        |
| 1996 12 03                 | 03 02.45 | -17 29.5        | 0.763           | 1.612    | 134.0      | 26.1     | 20.1        |
| 1996 12 13                 | 02 58.26 | -17 22.8        | 0.847           | 1.635    | 126.3      | 29.0     | 20.5        |
| 1996 12 23                 | 02 58.18 | -16 25.0        | 0.939           | 1.658    | 119.1      | 31.2     | 20.8        |
| 1997 01 02                 | 03 01.80 | -14 53.4        | 1.038           | 1.680    | 112.4      | 32.7     | 21.1        |

| <b>1996 TE<sub>11</sub></b> |          |                 |                 |          |            |          |             |
|-----------------------------|----------|-----------------|-----------------|----------|------------|----------|-------------|
| Date                        | TT       | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$        | Elements | $MPC$ 28055 |
| $a, e, i = 2.59, 0.47, 25$  |          |                 |                 |          |            |          |             |
|                             |          |                 |                 |          | $\epsilon$ | $\phi$   | $V$         |
| 1996 10 24                  | 03 54.48 | -25 29.4        | 0.599           | 1.468    | 132.7      | 29.8     | 16.7        |
| 1996 11 03                  | 04 01.89 | -31 58.0        | 0.589           | 1.435    | 128.4      | 32.8     | 16.7        |
| 1996 11 13                  | 04 06.80 | -37 08.3        | 0.593           | 1.407    | 123.5      | 35.9     | 16.8        |
| 1996 11 23                  | 04 10.02 | -40 39.4        | 0.605           | 1.385    | 118.9      | 38.6     | 16.9        |

|            |          |          |       |       |       |      |      |
|------------|----------|----------|-------|-------|-------|------|------|
| 1996 12 03 | 04 12.80 | -42 27.7 | 0.621 | 1.370 | 115.2 | 40.6 | 16.9 |
| 1996 12 13 | 04 16.42 | -42 37.7 | 0.638 | 1.363 | 112.5 | 41.9 | 17.0 |
| 1996 12 23 | 04 22.12 | -41 17.8 | 0.656 | 1.363 | 110.9 | 42.4 | 17.1 |
| 1997 01 02 | 04 30.56 | -38 39.0 | 0.673 | 1.370 | 110.2 | 42.3 | 17.2 |
| 1997 01 12 | 04 41.95 | -34 51.2 | 0.693 | 1.385 | 110.2 | 41.8 | 17.2 |
| 1997 01 22 | 04 56.23 | -30 07.3 | 0.717 | 1.407 | 110.6 | 40.9 | 17.3 |
| 1997 02 01 | 05 13.05 | -24 43.6 | 0.749 | 1.435 | 110.9 | 39.9 | 17.4 |
| 1997 02 11 | 05 31.99 | -18 58.7 | 0.792 | 1.469 | 110.8 | 38.9 | 17.6 |
| 1997 02 21 | 05 52.64 | -13 14.2 | 0.848 | 1.508 | 110.1 | 38.0 | 17.8 |
| 1997 03 03 | 06 14.50 | -07 49.7 | 0.920 | 1.551 | 108.4 | 37.3 | 18.0 |
| 1997 03 13 | 06 37.19 | -02 59.7 | 1.007 | 1.598 | 106.0 | 36.7 | 18.2 |
| 1997 03 23 | 07 00.36 | +01 06.9 | 1.109 | 1.648 | 102.8 | 36.1 | 18.5 |
| 1997 04 02 | 07 23.64 | +04 27.5 | 1.225 | 1.700 | 99.1  | 35.5 | 18.7 |
| 1997 04 12 | 07 46.82 | +07 03.6 | 1.354 | 1.754 | 95.0  | 34.7 | 19.0 |
| 1997 04 22 | 08 09.69 | +08 58.9 | 1.492 | 1.809 | 90.7  | 33.8 | 19.3 |
| 1997 05 02 | 08 32.10 | +10 18.5 | 1.639 | 1.866 | 86.1  | 32.6 | 19.5 |
| 1997 05 12 | 08 53.96 | +11 07.6 | 1.792 | 1.923 | 81.5  | 31.3 | 19.7 |
| 1997 05 22 | 09 15.23 | +11 31.1 | 1.950 | 1.980 | 76.7  | 29.8 | 19.9 |
| 1997 06 01 | 09 35.87 | +11 33.3 | 2.110 | 2.037 | 71.9  | 28.2 | 20.1 |
| 1997 06 11 | 09 55.92 | +11 18.1 | 2.271 | 2.095 | 67.0  | 26.5 | 20.3 |
| 1997 06 21 | 10 15.37 | +10 48.8 | 2.430 | 2.152 | 62.1  | 24.7 | 20.4 |

| <b>1984 BC</b>             |          |                 |                 |          |       |           |            |
|----------------------------|----------|-----------------|-----------------|----------|-------|-----------|------------|
| Date                       | TT       | $\alpha_{2000}$ | $\delta_{2000}$ | $\Delta$ | $r$   | Elements  | $MPC$ 9430 |
| $a, e, i = 3.49, 0.53, 21$ |          |                 |                 |          |       |           |            |
|                            |          |                 |                 |          |       | Variation | $V$        |
| 1996 10 24                 | 08 31.91 | +07 22.0        | 2.066           | 2.174    | -1.52 | -3.0      | 20.5       |
| 1996 11 03                 | 08 48.17 | +06 51.6        | 1.900           | 2.118    | -1.68 | -2.9      | 20.3       |
| 1996 11 13                 | 09 04.01 | +06 27.4        | 1.738           | 2.064    | -1.87 | -2.8      | 20.0       |
| 1996 11 23                 | 09 19.31 | +06 14.0        | 1.579           | 2.011    | -2.10 | -2.6      | 19.8       |
| 1996 12 03                 | 09 33.96 | +06 17.1        | 1.427           | 1.960    | -2.36 | -2.3      | 19.5       |
| 1996 12 13                 | 09 47.77 | +06 43.9        | 1.282           | 1.911    | -2.68 | -1.9      | 19.2       |
| 1996 12 23                 | 10 00.51 | +07 43.1        | 1.147           | 1.864    | -3.05 | -1.3      | 18.9       |
| 1997 01 02                 | 10 11.97 | +09 24.4        | 1.025           | 1.821    | -3.49 | -0.4      | 18.5       |
| 1997 01 12                 | 10 21.80 | +11 57.6        | 0.917           | 1.780    | -4.00 | +0.8      | 18.1       |
| 1997 01 22                 | 10 29.74 | +15 28.8        | 0.828           | 1.744    | -4.56 | +2.2      | 17.7       |
| 1997 02 01                 | 10 35.60 | +19 55.5        | 0.761           | 1.711    | -5.17 | +3.4      | 17.3       |
| 1997 02 11                 | 10 39.37 | +25 01.2        | 0.717           | 1.683    | -5.76 | +3.9      | 17.1       |
| 1997 02 21                 | 10 41.52 | +30 13.2        | 0.697           | 1.661    | -6.25 | +3.2      | 17.0       |
| 1997 03 03                 | 10 42.98 | +34 53.2        | 0.701           | 1.643    | -6.55 | +1.5      | 17.2       |
| 1997 03 13                 | 10 45.01 | +38 30.4        | 0.725           | 1.631    | -6.62 | -0.6      | 17.4       |
| 1997 03 23                 | 10 48.94 | +40 50.1        | 0.764           | 1.625    | -6.44 | -2.2      | 17.7       |
| 1997 04 02                 | 10 55.56 | +41 53.2        | 0.815           | 1.625    | -6.07 | -3.0      | 17.9       |
| 1997 04 12                 | 11 05.07 | +41 47.8        | 0.874           | 1.632    | -5.58 | -2.7      | 18.1       |
| 1997 04 22                 | 11 17.23 | +40 45.2        | 0.941           | 1.643    | -5.05 | -1.8      | 18.3       |
| 1997 05 02                 | 11 31.44 | +38 56.7        | 1.013           | 1.661    | -4.52 | -0.4      | 18.6       |
| 1997 05 12                 | 11 47.11 | +36 31.8        | 1.091           | 1.684    | -4.02 | +1.2      | 18.8       |
| 1997 05 22                 | 12 03.76 | +33 39.4        | 1.174           | 1.712    | -3.56 | +2.7      | 19.0       |
| 1997 06 01                 | 12 20.96 | +30 27.4        | 1.263           | 1.744    | -3.16 | +4.1      | 19.2       |
| 1997 06 11                 | 12 38.49 | +27 02.3        | 1.359           | 1.781    | -2.80 | +5.3      | 19.3       |
| 1997 06 21                 | 12 56.18 | +23 30.2        | 1.462           | 1.821    | -2.50 | +6.1      | 19.5       |
| 1997 07 01                 | 13 13.93 | +19 56.3        | 1.571           | 1.865    | -2.23 | +6.7      | 19.7       |
| 1997 07 11                 | 13 31.72 | +16 24.5        | 1.688           | 1.912    | -2.01 | +7.1      | 19.9       |
| 1997 07 21                 | 13 49.53 | +12 58.3        | 1.811           | 1.961    | -1.81 | +7.2      | 20.1       |
| 1997 07 31                 | 14 07.35 | +09 40.5        | 1.941           | 2.012    | -1.64 | +7.1      | 20.2       |

## M.P.C. 28093

1996 OCT. 26

|            |          |          |       |       |       |      |      |
|------------|----------|----------|-------|-------|-------|------|------|
| 1997 08 10 | 14 25.21 | +06 32.9 | 2.077 | 2.065 | -1.50 | +6.9 | 20.4 |
| 1997 08 20 | 14 43.11 | +03 36.9 | 2.217 | 2.119 | -1.37 | +6.6 | 20.6 |
| 1997 08 30 | 15 01.07 | +00 53.6 | 2.361 | 2.175 | -1.26 | +6.2 | 20.7 |
| 1997 09 09 | 15 19.09 | -01 36.5 | 2.508 | 2.231 | -1.17 | +5.8 | 20.9 |

| 1991 CS    |    | $a, e, i = 1.12, 0.16, 37$ |                 |          |       | Elements $MPC$ 27934 |        |      |
|------------|----|----------------------------|-----------------|----------|-------|----------------------|--------|------|
| Date       | TT | $\alpha_{2000}$            | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$           | $\phi$ | $V$  |
| 1996 10 24 |    | 09 38.67                   | -63 28.3        | 0.546    | 0.939 | 68.1                 | 79.3   | 18.8 |
| 1996 11 03 |    | 09 57.40                   | -62 35.6        | 0.602    | 0.939 | 67.1                 | 76.7   | 18.9 |
| 1996 11 13 |    | 10 16.11                   | -61 36.9        | 0.639    | 0.944 | 66.9                 | 74.6   | 19.0 |
| 1996 11 23 |    | 10 35.06                   | -60 31.5        | 0.656    | 0.954 | 67.5                 | 73.0   | 19.0 |
| 1996 12 03 |    | 10 54.40                   | -59 17.5        | 0.654    | 0.969 | 69.1                 | 71.8   | 19.0 |
| 1996 12 13 |    | 11 13.92                   | -57 51.1        | 0.633    | 0.988 | 71.6                 | 71.0   | 19.0 |
| 1996 12 23 |    | 11 33.29                   | -56 02.9        | 0.594    | 1.011 | 75.2                 | 70.2   | 18.9 |
| 1997 01 02 |    | 11 52.22                   | -53 38.6        | 0.540    | 1.035 | 79.9                 | 69.2   | 18.7 |
| 1997 01 12 |    | 12 10.03                   | -50 12.1        | 0.473    | 1.061 | 86.0                 | 67.6   | 18.4 |
| 1997 01 22 |    | 12 25.85                   | -44 53.1        | 0.398    | 1.088 | 94.2                 | 64.4   | 18.0 |
| 1997 02 01 |    | 12 38.61                   | -36 06.0        | 0.320    | 1.115 | 105.6                | 58.3   | 17.4 |
| 1997 02 11 |    | 12 46.65                   | -20 53.6        | 0.253    | 1.142 | 122.1                | 47.1   | 16.6 |
| 1997 02 21 |    | 12 48.24                   | +03 23.1        | 0.217    | 1.167 | 142.0                | 31.5   | 15.9 |
| 1997 03 03 |    | 12 42.16                   | +30 16.7        | 0.233    | 1.192 | 145.7                | 27.9   | 16.0 |
| 1997 03 13 |    | 12 28.66                   | +48 43.3        | 0.296    | 1.214 | 132.7                | 37.0   | 16.8 |
| 1997 03 23 |    | 12 11.31                   | +58 22.8        | 0.380    | 1.234 | 120.6                | 44.0   | 17.5 |
| 1997 04 02 |    | 11 55.48                   | +62 50.5        | 0.472    | 1.253 | 111.6                | 47.9   | 18.2 |
| 1997 04 12 |    | 11 45.39                   | +64 26.7        | 0.563    | 1.268 | 104.7                | 49.9   | 18.6 |
| 1997 04 22 |    | 11 42.64                   | +64 26.2        | 0.651    | 1.282 | 99.2                 | 50.7   | 19.0 |
| 1997 05 02 |    | 11 46.36                   | +63 27.8        | 0.732    | 1.292 | 94.6                 | 51.0   | 19.3 |
| 1997 05 12 |    | 11 55.12                   | +61 50.0        | 0.805    | 1.300 | 90.8                 | 51.0   | 19.5 |
| 1997 05 22 |    | 12 07.56                   | +59 42.9        | 0.868    | 1.305 | 87.6                 | 50.8   | 19.7 |
| 1997 06 01 |    | 12 22.54                   | +57 11.6        | 0.922    | 1.307 | 84.8                 | 50.6   | 19.8 |
| 1997 06 11 |    | 12 39.34                   | +54 17.7        | 0.965    | 1.307 | 82.5                 | 50.4   | 19.9 |
| 1997 06 21 |    | 12 57.52                   | +51 02.4        | 0.998    | 1.303 | 80.6                 | 50.3   | 19.9 |
| 1997 07 01 |    | 13 16.71                   | +47 25.2        | 1.022    | 1.297 | 79.0                 | 50.3   | 20.0 |
| 1997 07 11 |    | 13 36.81                   | +43 25.2        | 1.037    | 1.288 | 77.7                 | 50.5   | 20.0 |
| 1997 07 21 |    | 13 57.74                   | +39 01.6        | 1.045    | 1.276 | 76.5                 | 50.7   | 20.0 |
| 1997 07 31 |    | 14 19.46                   | +34 13.6        | 1.046    | 1.262 | 75.5                 | 51.2   | 20.0 |
| 1997 08 10 |    | 14 42.04                   | +29 00.7        | 1.043    | 1.245 | 74.5                 | 51.7   | 20.0 |
| 1997 08 20 |    | 15 05.56                   | +23 23.8        | 1.039    | 1.226 | 73.4                 | 52.3   | 19.9 |
| 1997 08 30 |    | 15 30.08                   | +17 25.2        | 1.034    | 1.204 | 72.2                 | 53.0   | 19.9 |
| 1997 09 09 |    | 15 55.78                   | +11 09.2        | 1.031    | 1.181 | 70.8                 | 53.7   | 19.9 |
| 1997 09 19 |    | 16 22.75                   | +04 42.9        | 1.032    | 1.156 | 69.2                 | 54.3   | 19.9 |
| 1997 09 29 |    | 16 51.13                   | -01 45.1        | 1.037    | 1.130 | 67.3                 | 54.9   | 19.8 |
| 1997 10 09 |    | 17 21.11                   | -08 04.7        | 1.048    | 1.103 | 65.2                 | 55.3   | 19.8 |
| 1997 10 19 |    | 17 52.79                   | -14 05.2        | 1.063    | 1.076 | 62.9                 | 55.5   | 19.8 |
| 1997 10 29 |    | 18 26.32                   | -19 37.3        | 1.081    | 1.050 | 60.6                 | 55.6   | 19.8 |

| 1995 DC <sub>2</sub> |    | $a, e, i = 43.72, 0.04, 2$ |                 |          |        | Elements <i>MPC</i> 27122 |        |      |
|----------------------|----|----------------------------|-----------------|----------|--------|---------------------------|--------|------|
| Date                 | TT | $\alpha_{2000}$            | $\delta_{2000}$ | $\Delta$ | $r$    | $\epsilon$                | $\phi$ | $V$  |
| 1996 11 03           |    | 10 31.68                   | +09 17.5        | 45.758   | 45.344 | 64.8                      | 1.1    | 23.8 |
| 1996 11 13           |    | 10 32.07                   | +09 15.3        | 45.594   | 45.343 | 74.7                      | 1.2    | 23.8 |
| 1996 11 23           |    | 10 32.33                   | +09 13.9        | 45.423   | 45.343 | 84.7                      | 1.2    | 23.7 |
| 1996 12 03           |    | 10 32.45                   | +09 13.3        | 45.249   | 45.342 | 94.8                      | 1.2    | 23.7 |
| 1996 12 13           |    | 10 32.42                   | +09 13.5        | 45.077   | 45.342 | 105.0                     | 1.2    | 23.7 |

|            |          |          |        |        |       |     |      |  |
|------------|----------|----------|--------|--------|-------|-----|------|--|
| 1996 12 23 | 10 32.25 | +09 14.6 | 44.914 | 45.341 | 115.2 | 1.1 | 23.7 |  |
| 1997 01 02 | 10 31.95 | +09 16.5 | 44.763 | 45.341 | 125.5 | 1.0 | 23.7 |  |
| 1997 01 12 | 10 31.52 | +09 19.1 | 44.630 | 45.340 | 135.8 | 0.9 | 23.7 |  |
| 1997 01 22 | 10 30.99 | +09 22.3 | 44.520 | 45.340 | 146.1 | 0.7 | 23.6 |  |
| 1997 02 01 | 10 30.38 | +09 26.0 | 44.435 | 45.339 | 156.4 | 0.5 | 23.6 |  |
| 1997 02 11 | 10 29.70 | +09 30.0 | 44.378 | 45.339 | 166.7 | 0.3 | 23.6 |  |
| 1997 02 21 | 10 28.98 | +09 34.3 | 44.351 | 45.339 | 177.0 | 0.1 | 23.5 |  |
| 1997 03 03 | 10 28.26 | +09 38.6 | 44.355 | 45.338 | 172.7 | 0.2 | 23.6 |  |
| 1997 03 13 | 10 27.56 | +09 42.7 | 44.389 | 45.338 | 162.5 | 0.4 | 23.6 |  |
| 1997 03 23 | 10 26.90 | +09 46.6 | 44.451 | 45.337 | 152.4 | 0.6 | 23.6 |  |
| 1997 04 02 | 10 26.31 | +09 50.1 | 44.541 | 45.337 | 142.4 | 0.8 | 23.7 |  |
| 1997 04 12 | 10 25.81 | +09 53.1 | 44.654 | 45.336 | 132.4 | 0.9 | 23.7 |  |
| 1997 04 22 | 10 25.42 | +09 55.5 | 44.788 | 45.336 | 122.5 | 1.1 | 23.7 |  |
| 1997 05 02 | 10 25.15 | +09 57.1 | 44.937 | 45.335 | 112.7 | 1.2 | 23.7 |  |
| 1997 05 12 | 10 25.01 | +09 58.0 | 45.097 | 45.335 | 103.0 | 1.2 | 23.7 |  |
| 1997 05 22 | 10 25.01 | +09 58.1 | 45.264 | 45.335 | 93.4  | 1.3 | 23.7 |  |
| 1997 06 01 | 10 25.14 | +09 57.4 | 45.432 | 45.334 | 83.8  | 1.3 | 23.7 |  |
| 1997 06 11 | 10 25.41 | +09 55.9 | 45.598 | 45.334 | 74.3  | 1.2 | 23.8 |  |
| 1997 06 21 | 10 25.80 | +09 53.7 | 45.756 | 45.333 | 64.9  | 1.2 | 23.8 |  |

| 1994 ES <sub>2</sub> |    | $a, e, i = 45.62, 0.12, 1$ |                 |          |        | Elements $MPC$ 26581 |        |      |
|----------------------|----|----------------------------|-----------------|----------|--------|----------------------|--------|------|
| Date                 | TT | $\alpha_{2000}$            | $\delta_{2000}$ | $\Delta$ | $r$    | $\epsilon$           | $\phi$ | $V$  |
| 1996 11 13           |    | 10 55.03                   | +07 02.5        | 45.897   | 45.546 | 68.6                 | 1.2    | 24.3 |
| 1996 11 23           |    | 10 55.37                   | +07 00.5        | 45.728   | 45.543 | 78.6                 | 1.2    | 24.3 |
| 1996 12 03           |    | 10 55.57                   | +06 59.3        | 45.552   | 45.540 | 88.7                 | 1.2    | 24.3 |
| 1996 12 13           |    | 10 55.64                   | +06 59.0        | 45.376   | 45.537 | 98.8                 | 1.2    | 24.3 |
| 1996 12 23           |    | 10 55.55                   | +06 59.5        | 45.204   | 45.534 | 109.0                | 1.2    | 24.2 |
| 1997 01 02           |    | 10 55.34                   | +07 00.9        | 45.042   | 45.531 | 119.3                | 1.1    | 24.2 |
| 1997 01 12           |    | 10 54.99                   | +07 03.1        | 44.895   | 45.528 | 129.5                | 1.0    | 24.2 |
| 1997 01 22           |    | 10 54.53                   | +07 06.0        | 44.768   | 45.525 | 139.9                | 0.8    | 24.2 |
| 1997 02 01           |    | 10 53.98                   | +07 09.5        | 44.665   | 45.522 | 150.2                | 0.6    | 24.2 |
| 1997 02 11           |    | 10 53.34                   | +07 13.4        | 44.588   | 45.519 | 160.5                | 0.4    | 24.1 |
| 1997 02 21           |    | 10 52.66                   | +07 17.7        | 44.540   | 45.516 | 170.7                | 0.2    | 24.1 |
| 1997 03 03           |    | 10 51.95                   | +07 22.0        | 44.522   | 45.513 | 179.0                | 0.0    | 24.0 |
| 1997 03 13           |    | 10 51.25                   | +07 26.4        | 44.535   | 45.510 | 168.8                | 0.2    | 24.1 |
| 1997 03 23           |    | 10 50.57                   | +07 30.5        | 44.577   | 45.507 | 158.7                | 0.5    | 24.1 |
| 1997 04 02           |    | 10 49.95                   | +07 34.4        | 44.648   | 45.504 | 148.6                | 0.7    | 24.2 |
| 1997 04 12           |    | 10 49.40                   | +07 37.7        | 44.744   | 45.501 | 138.6                | 0.8    | 24.2 |
| 1997 04 22           |    | 10 48.95                   | +07 40.5        | 44.862   | 45.498 | 128.7                | 1.0    | 24.2 |
| 1997 05 02           |    | 10 48.61                   | +07 42.6        | 44.999   | 45.495 | 118.9                | 1.1    | 24.2 |
| 1997 05 12           |    | 10 48.39                   | +07 43.9        | 45.150   | 45.492 | 109.2                | 1.2    | 24.2 |
| 1997 05 22           |    | 10 48.30                   | +07 44.5        | 45.311   | 45.490 | 99.5                 | 1.3    | 24.2 |
| 1997 06 01           |    | 10 48.34                   | +07 44.2        | 45.476   | 45.487 | 89.9                 | 1.3    | 24.3 |
| 1997 06 11           |    | 10 48.52                   | +07 43.1        | 45.642   | 45.484 | 80.4                 | 1.3    | 24.3 |
| 1997 06 21           |    | 10 48.83                   | +07 41.3        | 45.802   | 45.481 | 71.0                 | 1.2    | 24.3 |
| 1997 07 01           |    | 10 49.27                   | +07 38.6        | 45.953   | 45.478 | 61.5                 | 1.1    | 24.3 |

| 1992 CC <sub>1</sub> |          | $a, e, i = 1.39, 0.37, 37$ |                 |          |      | Elements <i>MPC</i> 27455 |        |     |
|----------------------|----------|----------------------------|-----------------|----------|------|---------------------------|--------|-----|
| Date                 | TT       | $\alpha_{2000}$            | $\delta_{2000}$ | $\Delta$ | $r$  | $\epsilon$                | $\phi$ | $V$ |
| 1996 11 13           | 12 09.15 | +22 31.9                   | 1.605           | 1.414    | 60.7 | 37.6                      | 18.3   |     |
| 1996 11 23           | 12 24.26 | +19 47.1                   | 1.569           | 1.467    | 65.5 | 37.8                      | 18.3   |     |
| 1996 12 03           | 12 37.22 | +17 13.4                   | 1.519           | 1.517    | 70.9 | 37.9                      | 18.3   |     |
| 1996 12 13           | 12 47.94 | +14 50.7                   | 1.456           | 1.564    | 77.0 | 37.8                      | 18.3   |     |

|            |          |          |       |       |       |      |      |
|------------|----------|----------|-------|-------|-------|------|------|
| 1996 12 23 | 12 56.14 | +12 38.7 | 1.381 | 1.608 | 83.9  | 37.5 | 18.2 |
| 1997 01 02 | 13 01.42 | +10 36.5 | 1.296 | 1.650 | 91.7  | 36.6 | 18.1 |
| 1997 01 12 | 13 03.14 | +08 43.2 | 1.206 | 1.689 | 100.4 | 34.9 | 18.0 |
| 1997 01 22 | 13 00.44 | +06 57.3 | 1.114 | 1.724 | 110.4 | 32.4 | 17.8 |
| 1997 02 01 | 12 52.36 | +05 17.2 | 1.026 | 1.757 | 121.7 | 28.5 | 17.5 |
| 1997 02 11 | 12 37.97 | +03 41.3 | 0.949 | 1.786 | 134.6 | 23.2 | 17.2 |
| 1997 02 21 | 12 17.01 | +02 08.7 | 0.891 | 1.812 | 149.2 | 16.2 | 16.9 |
| 1997 03 03 | 11 50.64 | +00 40.4 | 0.860 | 1.836 | 164.9 | 8.1  | 16.6 |
| 1997 03 13 | 11 21.82 | -00 40.2 | 0.863 | 1.856 | 175.5 | 2.4  | 16.3 |
| 1997 03 23 | 10 54.63 | -01 50.6 | 0.901 | 1.873 | 161.4 | 9.8  | 16.8 |
| 1997 04 02 | 10 32.31 | -02 50.8 | 0.970 | 1.887 | 146.8 | 16.9 | 17.2 |
| 1997 04 12 | 10 16.32 | -03 44.2 | 1.063 | 1.898 | 133.6 | 22.5 | 17.6 |
| 1997 04 22 | 10 06.61 | -04 35.6 | 1.171 | 1.906 | 122.1 | 26.5 | 17.9 |
| 1997 05 02 | 10 02.26 | -05 28.8 | 1.290 | 1.911 | 112.0 | 29.3 | 18.2 |
| 1997 05 12 | 10 02.29 | -06 26.7 | 1.413 | 1.913 | 103.0 | 31.0 | 18.5 |
| 1997 05 22 | 10 05.77 | -07 31.2 | 1.536 | 1.912 | 95.0  | 31.8 | 18.7 |
| 1997 06 01 | 10 11.97 | -08 43.2 | 1.656 | 1.908 | 87.8  | 32.1 | 18.9 |
| 1997 06 11 | 10 20.34 | -10 03.4 | 1.771 | 1.901 | 81.1  | 31.9 | 19.0 |
| 1997 06 21 | 10 30.49 | -11 32.2 | 1.878 | 1.891 | 75.0  | 31.3 | 19.1 |
| 1997 07 01 | 10 42.11 | -13 09.5 | 1.977 | 1.878 | 69.4  | 30.5 | 19.2 |
| 1997 07 11 | 10 55.06 | -14 55.3 | 2.065 | 1.861 | 64.1  | 29.4 | 19.2 |

## OPPOSITION DATA

| Planet                | Opposition | $\alpha_{2000}$ | $\delta_{2000}$ | $V$  | $\dot{\alpha}$ | $\dot{\delta}$ | $\phi_{\text{MIN}}$ | $MPC$ |
|-----------------------|------------|-----------------|-----------------|------|----------------|----------------|---------------------|-------|
| 1978 VT <sub>10</sub> | 96 09 26.0 | 00 12.31        | +04 16.3        | 17.5 | -0.87          | - 6.5          | 1.3/27.1            | 23131 |
| (6452)                | 96 09 26.1 | 00 12.28        | +02 00.8        | 16.8 | -0.89          | - 6.5          | 0.2/26.3            | 27696 |
| (7213)                | 96 09 26.2 | 00 12.61        | +01 45.4        | 15.9 | -0.95          | - 4.2          | 0.2/26.3            | 28057 |
| 6020 P-L              | 96 09 26.2 | 00 12.72        | +01 34.2        | 18.1 | -0.48          | - 3.3          | 0.0/26.3            | 26415 |
| 1981 ER <sub>10</sub> | 96 09 26.3 | 00 13.01        | +06 10.5        | 16.6 | -0.87          | - 6.3          | 2.2/27.9            | 21966 |
| 3358 T-3              | 96 09 26.4 | 00 13.36        | -00 00.0        | 18.1 | -0.94          | - 4.9          | 0.5/26.0            | 23989 |
| 1973 SE <sub>1</sub>  | 96 09 26.5 | 00 13.91        | -00 28.4        | 17.6 | -0.50          | - 2.8          | 0.4/25.9            | 20804 |
| 1991 GC <sub>1</sub>  | 96 09 26.5 | 00 13.94        | -03 44.0        | 17.6 | -1.04          | - 1.7          | 1.8/25.1            | 28085 |
| 4089 P-L              | 96 09 26.6 | 00 14.30        | +07 14.8        | 16.5 | -0.69          | - 9.7          | 2.3/28.8            | 15903 |
| 5187 T-2              | 96 09 26.8 | 00 14.76        | +10 55.1        | 18.4 | -0.48          | - 3.6          | 1.6/30.2            | 25971 |
| 3078 P-L              | 96 09 26.8 | 00 15.16        | +10 26.8        | 17.7 | -0.96          | - 5.3          | 3.2/29.7            | 25084 |
| 1981 EO <sub>8</sub>  | 96 09 27.1 | 00 15.86        | +08 42.7        | 16.6 | -0.88          | - 5.1          | 2.6/29.4            | 28084 |
| (6333)                | 96 09 27.1 | 00 16.12        | -03 55.6        | 16.5 | -0.98          | - 6.7          | 2.3/25.3            | 25193 |
| 1989 TO <sub>15</sub> | 96 09 27.2 | 00 16.25        | +03 15.1        | 16.7 | -0.85          | - 7.7          | 0.7/27.7            | 25080 |
| (7116)                | 96 09 27.2 | 00 16.44        | -13 05.3        | 16.7 | -1.00          | - 4.0          | 5.6/22.7            | 27700 |
| 1981 EZ <sub>13</sub> | 96 09 27.3 | 00 16.79        | +12 01.0        | 19.4 | -0.92          | - 2.9          | 3.0/30.5            | 23511 |
| 1981 DL <sub>3</sub>  | 96 09 27.5 | 00 17.58        | +14 14.4        | 16.5 | -0.93          | - 5.0          | 5.7/01.6            | 26914 |
| 1188 T-2              | 96 09 27.5 | 00 17.65        | +05 17.2        | 17.3 | -0.89          | - 6.3          | 1.2/28.7            | 27939 |
| 1981 EQ <sub>35</sub> | 96 09 27.8 | 00 18.51        | +00 37.2        | 21.7 | -0.81          | - 5.5          | 0.4/27.4            | 26921 |
| (7187)                | 96 09 28.0 | 00 19.12        | +45 05.5        | 15.6 | -1.75          | + 8.5          | 21.9/08.8           | 27901 |
| 1985 VF               | 96 09 28.0 | 00 19.23        | -15 57.1        | 15.1 | -0.92          | - 1.9          | 8.5/22.7            | 28084 |
| (7221)                | 96 09 28.1 | 00 19.47        | +04 13.6        | 16.4 | -0.84          | - 4.7          | 1.0/28.8            | 28059 |
| 1981 EL <sub>40</sub> | 96 09 28.1 | 00 19.56        | +05 18.2        | 20.5 | -0.86          | - 4.3          | 1.0/29.1            | 26922 |
| 1985 RJ <sub>4</sub>  | 96 09 28.1 | 00 19.82        | +00 08.5        | 16.5 | -0.77          | - 3.9          | 0.7/27.5            | 23536 |
| 1988 AA <sub>5</sub>  | 96 09 28.2 | 00 20.05        | +03 51.3        | 15.4 | -0.66          | - 9.3          | 0.7/28.9            | 28085 |
| 4667 P-L              | 96 09 28.5 | 00 21.12        | -03 11.0        | 16.1 | -0.92          | - 1.4          | 2.3/27.0            | 15904 |
| 1992 FH               | 96 09 28.5 | 00 21.14        | -02 09.1        | 15.1 | -1.05          | - 3.9          | 2.0/27.3            | 25081 |
| (6529)                | 96 09 28.6 | 00 21.42        | +06 47.5        | 16.2 | -0.89          | - 8.6          | 1.7/30.2            | 25524 |
| 1981 ED <sub>28</sub> | 96 09 28.6 | 00 21.46        | -00 17.4        | 17.3 | -0.80          | - 6.2          | 0.9/27.8            | 27931 |
| (6274)                | 96 09 28.8 | 00 22.25        | -05 25.2        | 16.0 | -1.01          | - 6.1          | 3.3/26.4            | 24892 |
| (6570)                | 96 09 29.0 | 00 23.08        | +12 16.9        | 16.8 | -0.68          | - 6.7          | 2.4/02.7            | 25634 |
| 5493 T-2              | 96 09 29.1 | 00 23.18        | +15 52.3        | 17.2 | -0.55          | - 2.1          | 2.5/03.8            | 28088 |
| (6466)                | 96 09 29.1 | 00 23.48        | -16 28.0        | 16.7 | -0.83          | - 6.7          | 6.0/22.5            | 25412 |
| 1179 T-2              | 96 09 29.2 | 00 23.41        | +03 58.0        | 18.2 | -0.90          | - 6.5          | 0.5/29.7            | 22432 |
| (6431)                | 96 09 29.2 | 00 23.72        | -04 03.8        | 16.2 | -0.91          | - 5.7          | 2.7/27.1            | 25317 |
| 1981 QY <sub>2</sub>  | 96 09 29.2 | 00 23.82        | -01 10.7        | 16.9 | -0.77          | - 5.5          | 1.2/28.0            | 19496 |
| (6399)                | 96 09 29.3 | 00 23.96        | -05 48.2        | 16.3 | -0.99          | - 3.2          | 3.0/26.9            | 25203 |
| 1989 UG <sub>2</sub>  | 96 09 29.4 | 00 24.17        | -45 03.3        | 16.2 | -1.81          | +13.8          | 24.4/17.0           | 25329 |
| 2012 P-L              | 96 09 29.6 | 00 24.89        | +06 09.8        | 16.4 | -0.93          | + 2.2          | 1.7/30.5            | 27938 |
| 1992 SO <sub>24</sub> | 96 09 29.7 | 00 25.53        | +09 06.3        | 17.8 | -0.85          | - 8.0          | 2.2/02.0            | 25538 |
| 1993 VX <sub>3</sub>  | 96 09 29.8 | 00 25.71        | +10 06.8        | 15.7 | -0.94          | - 7.7          | 3.2/02.3            | 23126 |
| 1991 GA <sub>9</sub>  | 96 09 30.0 | 00 26.39        | +06 10.2        | 16.9 | -0.88          | - 8.2          | 1.2/01.2            | 28086 |
| 1988 VO <sub>3</sub>  | 96 09 30.0 | 00 26.43        | +01 13.2        | 15.9 | -0.89          | - 1.0          | 0.8/29.6            | 27933 |
| 1989 SJ <sub>5</sub>  | 96 09 30.1 | 00 27.09        | -05 59.9        | 16.6 | -1.01          | - 3.6          | 3.4/27.6            | 28085 |
| 1981 RQ <sub>1</sub>  | 96 09 30.3 | 00 27.55        | +00 34.5        | 16.4 | -0.76          | - 5.8          | 0.8/29.5            | 24116 |
| 1991 FS <sub>1</sub>  | 96 09 30.3 | 00 27.79        | +02 29.8        | 17.8 | -0.92          | - 5.8          | 0.2/30.2            | 27934 |
| 1990 HP               | 96 09 30.3 | 00 27.80        | -20 22.9        | 16.6 | -1.62          | + 5.9          | 11.1/26.3           | 18120 |
| 2252 T-2              | 96 09 30.4 | 00 27.96        | +05 01.4        | 16.6 | -0.95          | - 0.8          | 0.8/31.0            | 19329 |

| 1994 VR <sub>6</sub> |          | $a, e, i = 2.74, 0.43, 30$ |                 |          |       | Elements $MPC$ 27456 |        |
|----------------------|----------|----------------------------|-----------------|----------|-------|----------------------|--------|
| Date                 | TT       | $\alpha_{2000}$            | $\delta_{2000}$ | $\Delta$ | $r$   | $\epsilon$           | $\phi$ |
| 1996 11 13           | 12 21.27 | +26 38.5                   | 4.275           | 3.896    | 61.2  | 12.9                 | 20.4   |
| 1996 11 23           | 12 30.50 | +26 24.0                   | 4.149           | 3.892    | 68.2  | 13.6                 | 20.3   |
| 1996 12 03           | 12 38.92 | +26 21.0                   | 4.015           | 3.887    | 75.5  | 14.2                 | 20.3   |
| 1996 12 13           | 12 46.36 | +26 30.5                   | 3.875           | 3.882    | 83.1  | 14.6                 | 20.2   |
| 1996 12 23           | 12 52.63 | +26 53.2                   | 3.732           | 3.875    | 90.9  | 14.7                 | 20.1   |
| 1997 01 02           | 12 57.51 | +27 29.3                   | 3.591           | 3.868    | 99.0  | 14.5                 | 20.0   |
| 1997 01 12           | 13 00.78 | +28 18.7                   | 3.453           | 3.860    | 107.2 | 14.1                 | 19.9   |
| 1997 01 22           | 13 02.18 | +29 19.9                   | 3.324           | 3.851    | 115.4 | 13.3                 | 19.8   |
| 1997 02 01           | 13 01.51 | +30 30.4                   | 3.208           | 3.841    | 123.5 | 12.3                 | 19.7   |
| 1997 02 11           | 12 58.61 | +31 46.3                   | 3.107           | 3.830    | 131.2 | 11.2                 | 19.6   |
| 1997 02 21           | 12 53.46 | +33 02.0                   | 3.027           | 3.819    | 137.8 | 10.0                 | 19.5   |
| 1997 03 03           | 12 46.22 | +34 11.0                   | 2.971           | 3.806    | 142.6 | 9.1                  | 19.4   |
| 1997 03 13           | 12 37.27 | +35 06.5                   | 2.939           | 3.793    | 144.5 | 8.7                  | 19.3   |
| 1997 03 23           | 12 27.25 | +35 42.3                   | 2.934           | 3.779    | 143.1 | 9.1                  | 19.3   |
| 1997 04 02           | 12 16.97 | +35 54.5                   | 2.955           | 3.764    | 138.7 | 10.1                 | 19.4   |
| 1997 04 12           | 12 07.24 | +35 41.9                   | 3.000           | 3.748    | 132.3 | 11.4                 | 19.5   |
| 1997 04 22           | 11 58.80 | +35 05.5                   | 3.065           | 3.732    | 124.8 | 12.8                 | 19.5   |
| 1997 05 02           | 11 52.14 | +34 08.6                   | 3.148           | 3.714    | 116.9 | 14.0                 | 19.6   |
| 1997 05 12           | 11 47.52 | +32 55.0                   | 3.245           | 3.696    | 108.8 | 15.0                 | 19.7   |
| 1997 05 22           | 11 45.03 | +31 28.6                   | 3.351           | 3.677    | 100.7 | 15.7                 | 19.8   |
| 1997 06 01           | 11 44.55 | +29 52.9                   | 3.463           | 3.657    | 92.9  | 16.1                 | 19.9   |
| 1997 06 11           | 11 45.92 | +28 10.8                   | 3.577           | 3.636    | 85.2  | 16.2                 | 19.9   |
| 1997 06 21           | 11 48.95 | +26 24.4                   | 3.691           | 3.614    | 77.8  | 15.9                 | 20.0   |
| 1997 07 01           | 11 53.40 | +24 35.3                   | 3.800           | 3.592    | 70.5  | 15.5                 | 20.0   |
| 1997 07 11           | 11 59.10 | +22 44.7                   | 3.903           | 3.568    | 63.5  | 14.8                 | 20.0   |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 2209 T-1              | 96 09 30.5 | 00 28.33 | -01 56.3 | 16.3 | -0.75 | - 4.2 | 1.8/28.9  | 27938 |
| 1992 JF               | 96 09 30.5 | 00 28.46 | -04 31.6 | 16.1 | -1.02 | - 3.5 | 3.4/28.4  | 27935 |
| 1996 TF <sub>7</sub>  | 96 09 30.5 | 00 28.49 | +03 34.4 | 15.4 | -0.69 | - 8.6 | 0.2/30.8  | 28081 |
| 1994 AX <sub>10</sub> | 96 09 30.5 | 00 28.53 | +04 20.4 | 18.3 | -0.97 | - 3.5 | 0.6/31.0  | 28074 |
| 1991 EJ <sub>1</sub>  | 96 09 30.9 | 00 29.67 | -06 07.7 | 16.2 | -0.88 | - 7.7 | 3.4/27.7  | 28072 |
| 1981 ES <sub>3</sub>  | 96 09 30.9 | 00 29.74 | +23 51.6 | 16.8 | -0.97 | - 1.2 | 8.6/07.3  | 26915 |
| 1981 EL <sub>31</sub> | 96 09 30.9 | 00 29.75 | -00 25.0 | 18.6 | -0.91 | - 8.2 | 1.3/29.7  | 26921 |
| 1991 PC <sub>18</sub> | 96 09 30.9 | 00 29.89 | +13 38.6 | 16.6 | -0.85 | - 4.3 | 3.6/04.4  | 27935 |
| 1996 QU <sub>1</sub>  | 96 10 01.0 | 00 30.00 | +14 31.8 | 14.8 | -0.81 | + 1.4 | 6.4/04.2  | 28078 |
| 1990 RF               | 96 10 01.0 | 00 30.02 | -02 27.6 | 15.7 | -0.64 | - 9.2 | 1.7/28.9  | 25649 |
| 1991 FD               | 96 10 01.0 | 00 30.16 | -09 58.5 | 17.3 | -0.84 | -13.0 | 4.2/25.9  | 25426 |
| 1993 XN <sub>1</sub>  | 96 10 01.0 | 00 30.20 | -26 00.4 | 15.7 | -0.92 | - 2.7 | 10.6/21.5 | 25340 |
| (6344)                | 96 10 01.2 | 00 30.79 | +02 52.8 | 15.8 | -0.93 | - 8.1 | 0.2/01.1  | 25058 |
| 3233 T-1              | 96 10 01.2 | 00 30.87 | +04 23.8 | 17.4 | -0.92 | - 2.9 | 0.4/01.6  | 27938 |
| 1981 EZ <sub>18</sub> | 96 10 01.2 | 00 30.91 | +06 13.0 | 16.7 | -0.84 | - 5.3 | 1.0/02.2  | 27930 |
| 1981 EN <sub>24</sub> | 96 10 01.3 | 00 31.16 | +06 36.8 | 17.3 | -0.96 | - 6.5 | 1.4/02.4  | 26919 |
| 1995 EN               | 96 10 01.3 | 00 31.23 | +02 42.9 | 17.6 | -1.10 | - 3.7 | 0.3/01.2  | 28087 |
| (6361)                | 96 10 01.3 | 00 31.44 | -05 46.6 | 16.1 | -0.94 | - 4.9 | 3.1/28.6  | 25194 |
| (7263)                | 96 10 01.5 | 00 32.04 | +04 21.4 | 16.0 | -1.07 | - 4.8 | 0.4/01.8  | 28069 |
| 1981 EB <sub>37</sub> | 96 10 01.7 | 00 32.47 | +06 19.1 | 17.9 | -0.94 | - 2.6 | 1.0/02.5  | 22430 |
| 1995 HC               | 96 10 01.7 | 00 32.53 | +02 42.6 | 16.0 | -0.89 | - 7.7 | 0.4/01.5  | 28075 |
| (7264)                | 96 10 01.7 | 00 32.67 | +02 07.1 | 16.9 | -0.95 | - 6.5 | 0.5/01.3  | 28069 |
| 1990 OF <sub>1</sub>  | 96 10 01.7 | 00 32.77 | -07 15.8 | 15.8 | -0.68 | - 8.8 | 3.5/27.8  | 27933 |
| 1977 RC <sub>9</sub>  | 96 10 01.8 | 00 32.98 | +05 28.5 | 18.1 | -0.93 | - 5.6 | 0.6/02.4  | 23131 |
| 1996 SY <sub>4</sub>  | 96 10 01.8 | 00 32.99 | -02 21.8 | 17.1 | -0.86 | - 3.8 | 2.8/30.0  | 28080 |
| 1981 ES <sub>24</sub> | 96 10 01.9 | 00 33.18 | +10 27.0 | 18.8 | -1.06 | - 3.6 | 2.8/03.9  | 26919 |
| 1991 VP <sub>4</sub>  | 96 10 02.1 | 00 33.94 | -07 25.2 | 17.3 | -0.75 | - 5.2 | 3.6/28.3  | 20339 |
| 1988 EA <sub>2</sub>  | 96 10 02.1 | 00 34.11 | +00 02.8 | 16.8 | -0.93 | - 7.5 | 1.4/31.0  | 27932 |
| (7214)                | 96 10 02.1 | 00 34.28 | +05 33.0 | 18.4 | -0.47 | - 4.7 | 0.3/02.9  | 28058 |
| 1995 KC               | 96 10 02.2 | 00 34.38 | +04 55.6 | 18.6 | -0.85 | - 9.0 | 0.4/02.7  | 28087 |
| 3201 T-2              | 96 10 02.3 | 00 34.86 | -02 31.8 | 16.8 | -0.80 | - 5.9 | 2.2/30.3  | 25443 |
| 1989 JF               | 96 10 02.4 | 00 35.17 | +05 15.5 | 15.5 | -1.10 | - 4.0 | 0.7/02.9  | 28085 |
| 1981 EX <sub>10</sub> | 96 10 02.5 | 00 35.38 | +06 42.9 | 19.2 | -0.79 | - 7.1 | 0.9/03.5  | 22492 |
| 1996 RQ <sub>2</sub>  | 96 10 02.5 | 00 35.48 | +06 01.5 | 18.6 | -0.92 | - 5.6 | 0.7/03.2  | 28079 |
| 6571 P-L              | 96 10 02.6 | 00 36.07 | -01 08.1 | 16.7 | -0.80 | - 5.6 | 1.7/31.0  | 21978 |
| 1991 XC <sub>1</sub>  | 96 10 02.6 | 00 36.12 | -11 03.7 | 15.8 | -0.77 | - 3.4 | 5.5/27.8  | 28086 |
| 1995 KH               | 96 10 02.6 | 00 36.16 | +01 29.8 | 18.8 | -0.97 | - 6.9 | 0.9/01.9  | 28075 |
| 1994 CQ               | 96 10 02.7 | 00 36.43 | +06 24.3 | 17.3 | -0.97 | - 5.5 | 0.9/03.5  | 28087 |
| 1981 EN <sub>45</sub> | 96 10 02.9 | 00 37.16 | +10 56.9 | 16.9 | -0.94 | - 4.2 | 3.4/05.1  | 25061 |
| 1988 DH <sub>1</sub>  | 96 10 02.9 | 00 37.18 | -03 12.0 | 17.4 | -0.93 | - 8.0 | 2.6/30.6  | 25328 |
| 1166 T-2              | 96 10 03.0 | 00 37.48 | +07 25.4 | 18.3 | -1.04 | - 3.1 | 1.3/04.0  | 28088 |
| 1981 ET <sub>21</sub> | 96 10 03.1 | 00 37.61 | +00 41.1 | 19.2 | -0.84 | - 7.5 | 1.2/02.0  | 26919 |
| 1995 OX               | 96 10 03.1 | 00 37.68 | +33 13.7 | 20.4 | -0.82 | - 3.8 | 6.4/14.1  | 28076 |
| 1988 RM <sub>4</sub>  | 96 10 03.2 | 00 38.14 | +02 58.0 | 17.0 | -0.88 | - 7.0 | 0.5/02.9  | 25339 |
| 1994 GQ               | 96 10 03.3 | 00 38.38 | -08 06.8 | 16.9 | -0.88 | - 2.1 | 3.6/29.7  | 25532 |
| (7233)                | 96 10 03.6 | 00 39.41 | +01 00.8 | 15.6 | -0.96 | - 2.1 | 1.0/02.7  | 28062 |
| 4314 T-3              | 96 10 03.6 | 00 39.41 | -00 56.2 | 16.7 | -0.79 | - 5.3 | 1.7/01.9  | 25652 |
| (6484)                | 96 10 03.6 | 00 39.42 | -22 47.3 | 15.6 | -0.87 | - 3.7 | 11.2/23.8 | 25417 |
| 1976 UB <sub>1</sub>  | 96 10 03.6 | 00 39.48 | -08 04.5 | 16.9 | -0.79 | - 7.5 | 3.6/29.3  | 28083 |
| 1991 LA <sub>1</sub>  | 96 10 03.6 | 00 39.75 | -15 16.0 | 17.6 | -0.82 | - 6.8 | 6.3/26.9  | 27728 |
| 1981 ER <sub>45</sub> | 96 10 03.7 | 00 39.89 | +04 42.8 | 19.1 | -0.91 | - 9.1 | 0.2/03.9  | 26923 |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1992 ML               | 96 10 03.7 | 00 40.08 | +06 42.0 | 15.8 | -0.97 | - 5.1 | 1.1/04.5  | 27913 |
| 1980 VX <sub>2</sub>  | 96 10 03.8 | 00 40.12 | +26 11.4 | 17.3 | -0.83 | -12.0 | 7.1/12.6  | 28084 |
| 1352 T-2              | 96 10 03.8 | 00 40.22 | +04 43.6 | 17.4 | -0.90 | - 5.9 | 0.1/04.0  | 15080 |
| 1979 UR               | 96 10 03.9 | 00 40.64 | +03 43.6 | 15.9 | -0.94 | - 2.0 | 0.3/03.8  | 23969 |
| 1055 T-2              | 96 10 04.0 | 00 40.83 | +05 47.2 | 18.0 | -0.85 | - 4.3 | 0.5/04.4  | 28082 |
| 1989 CE <sub>8</sub>  | 96 10 04.0 | 00 41.11 | +18 54.7 | 16.0 | -0.82 | - 6.5 | 5.1/09.1  | 21571 |
| 5061 T-2              | 96 10 04.1 | 00 41.31 | +18 35.2 | 16.3 | -0.97 | - 4.1 | 7.3/08.8  | 15258 |
| 1981 EK <sub>30</sub> | 96 10 04.1 | 00 41.31 | +15 13.9 | 18.9 | -0.96 | - 7.1 | 4.2/07.7  | 26920 |
| 1983 CZ <sub>2</sub>  | 96 10 04.2 | 00 41.57 | +13 32.4 | 17.6 | -0.99 | - 4.4 | 3.1/07.0  | 8138  |
| 1976 DJ <sub>1</sub>  | 96 10 04.2 | 00 41.88 | -03 33.8 | 18.2 | -0.58 | - 3.8 | 1.7/01.5  | 25972 |
| 1981 UV <sub>23</sub> | 96 10 04.3 | 00 41.92 | -08 09.7 | 14.6 | -0.91 | - 0.4 | 6.4/30.7  | 27910 |
| (7257)                | 96 10 04.4 | 00 42.36 | +11 21.4 | 16.2 | -0.92 | - 6.4 | 2.8/06.6  | 28067 |
| 1994 GH <sub>9</sub>  | 96 10 04.5 | 00 42.74 | +09 28.8 | 17.7 | -0.81 | - 8.2 | 1.5/06.0  | 27937 |
| 1992 ME               | 96 10 04.6 | 00 43.35 | -34 26.2 | 17.6 | -1.01 | - 4.3 | 14.6/21.0 | 25215 |
| 1995 GT               | 96 10 04.6 | 00 43.39 | +03 07.1 | 17.6 | -1.22 | 0.0   | 0.5/04.3  | 28087 |
| 1995 DX <sub>2</sub>  | 96 10 04.8 | 00 43.79 | +32 05.9 | 19.0 | -1.06 | -13.1 | 11.4/16.0 | 25433 |
| 1981 EF <sub>31</sub> | 96 10 05.1 | 00 45.04 | +00 35.3 | 18.3 | -0.90 | - 8.1 | 1.8/03.7  | 26921 |
| 3060 T-2              | 96 10 05.1 | 00 45.12 | +00 19.0 | 17.9 | -0.93 | - 5.3 | 1.6/03.8  | 28088 |
| 1986 QO <sub>1</sub>  | 96 10 05.2 | 00 45.26 | -02 24.8 | 16.7 | -0.80 | - 5.1 | 2.5/02.9  | 19674 |
| 1981 QA <sub>1</sub>  | 96 10 05.2 | 00 45.54 | +00 52.3 | 15.8 | -0.80 | -10.2 | 1.6/03.8  | 28084 |
| 4283 T-2              | 96 10 05.3 | 00 45.90 | +01 06.1 | 18.6 | -0.73 | - 4.7 | 1.1/04.1  | 28083 |
| 1992 VD               | 96 10 05.4 | 00 46.07 | -01 04.2 | 16.5 | -0.86 | - 4.6 | 2.3/03.6  | 27936 |
| 1986 TU <sub>6</sub>  | 96 10 05.5 | 00 46.31 | +19 32.0 | 16.2 | -0.81 | - 4.6 | 4.4/10.4  | 24407 |
| 1983 CY <sub>2</sub>  | 96 10 05.5 | 00 46.54 | +16 30.0 | 16.1 | -0.86 | - 2.9 | 3.7/09.1  | 28084 |
| 1992 UJ               | 96 10 05.7 | 00 47.03 | +09 29.5 | 16.6 | -0.87 | - 4.6 | 1.9/07.1  | 28074 |
| 1991 UK <sub>3</sub>  | 96 10 05.8 | 00 47.62 | +14 53.2 | 16.7 | -0.73 | - 7.2 | 2.7/09.3  | 28086 |
| 1987 BB <sub>2</sub>  | 96 10 05.8 | 00 47.72 | +07 41.6 | 17.3 | -0.96 | - 6.9 | 1.1/06.7  | 23336 |
| 1991 PP <sub>11</sub> | 96 10 05.8 | 00 47.72 | +02 57.3 | 16.6 | -0.73 | -10.0 | 0.8/05.1  | 28086 |
| 3327 T-2              | 96 10 05.9 | 00 47.94 | -00 03.4 | 17.0 | -0.76 | - 4.3 | 1.8/04.3  | 23686 |
| 1993 FD <sub>22</sub> | 96 10 05.9 | 00 48.04 | +05 44.0 | 17.5 | -0.79 | - 5.4 | 8.2/16.0  | 24408 |
| 1994 HD               | 96 10 05.9 | 00 48.09 | +06 44.4 | 17.7 | -0.77 | -11.8 | 0.4/06.6  | 25643 |
| 1981 EV <sub>30</sub> | 96 10 06.1 | 00 48.71 | +09 41.2 | 17.9 | -0.88 | - 4.3 | 1.7/07.5  | 26920 |
| 1993 YE               | 96 10 06.2 | 00 48.82 | +03 59.6 | 16.5 | -0.95 | - 6.4 | 0.5/05.8  | 27936 |
| 1991 JT <sub>1</sub>  | 96 10 06.3 | 00 49.27 | -00 22.9 | 16.4 | -0.79 | -11.0 | 1.9/04.2  | 28086 |
| 1981 EZ <sub>12</sub> | 96 10 06.3 | 00 49.61 | +14 54.6 | 17.0 | -0.95 | - 5.9 | 4.3/09.5  | 26917 |
| 1977 DX <sub>3</sub>  | 96 10 06.4 | 00 49.74 | +01 45.7 | 16.4 | -0.75 | - 4.5 | 1.0/05.3  | 28083 |
| 1987 RD <sub>1</sub>  | 96 10 06.5 | 00 50.26 | +05 33.1 | 15.8 | -0.89 | - 4.6 | 0.1/06.6  | 22078 |
| 1981 EK <sub>4</sub>  | 96 10 06.6 | 00 50.45 | +25 32.2 | 16.2 | -1.02 | - 0.1 | 8.7/12.4  | 27930 |
| 1994 DA               | 96 10 06.8 | 00 51.14 | -02 13.7 | 18.4 | -0.79 | - 7.5 | 2.5/04.2  | 28087 |
| 1981 ER <sub>6</sub>  | 96 10 06.9 | 00 51.48 | +13 46.9 | 18.5 | -0.87 | - 5.6 | 2.6/09.6  | 21966 |
| 1992 JQ <sub>3</sub>  | 96 10 06.9 | 00 51.63 | +10 06.9 | 16.7 | -1.02 | - 6.9 | 1.8/08.4  | 27729 |
| 1995 HJ               | 96 10 06.9 | 00 51.64 | +03 08.7 | 17.8 | -0.93 | - 6.1 | 0.8/06.2  | 25223 |
| 1992 SD <sub>1</sub>  | 96 10 06.9 | 00 51.73 | -05 34.7 | 16.4 | -1.00 | - 1.2 | 4.5/04.0  | 28086 |
| 1978 RY <sub>6</sub>  | 96 10 06.9 | 00 51.79 | +16 09.6 | 16.8 | -0.81 | - 2.7 | 3.1/10.3  | 17815 |
| 1990 FD <sub>1</sub>  | 96 10 07.1 | 00 52.32 | -17 11.3 | 16.4 | -0.85 | - 4.4 | 7.0/29.6  | 25538 |
| 1991 RT <sub>40</sub> | 96 10 07.1 | 00 52.47 | +04 21.3 | 17.2 | -0.82 | - 4.3 | 0.4/06.8  | 28086 |
| 1306 T-2              | 96 10 07.2 | 00 52.68 | +04 46.9 | 17.1 | -0.75 | - 4.7 | 0.3/07.0  | 23792 |
| 1980 GG               | 96 10 07.2 | 00 52.80 | -04 34.0 | 18.4 | -0.93 | - 5.4 | 3.3/04.1  | 25438 |
| 1977 RD               | 96 10 07.2 | 00 52.90 | +43 56.8 | 18.2 | -1.57 | + 2.4 | 12.3/19.5 | 20139 |
| 1984 UX               | 96 10 07.4 | 00 53.52 | +07 02.7 | 14.3 | -0.92 | + 3.0 | 0.7/07.8  | 28084 |
| 1987 UF <sub>5</sub>  | 96 10 07.5 | 00 53.59 | -01 40.3 | 15.7 | -0.87 | - 2.7 | 3.0/05.3  | 21257 |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (7226)                | 96 10 07.6 | 00 54.00 | +01 54.6 | 16.1 | -0.73 | - 4.9 | 1.3/06.3  | 28060 |
| 1981 EE <sub>6</sub>  | 96 10 07.7 | 00 54.30 | +15 42.9 | 20.3 | -0.84 | - 5.9 | 3.0/11.0  | 26915 |
| 1985 PC <sub>2</sub>  | 96 10 07.7 | 00 54.65 | -02 55.5 | 15.9 | -0.72 | - 5.1 | 3.4/04.8  | 21970 |
| 1991 PT <sub>12</sub> | 96 10 07.8 | 00 55.07 | +04 48.9 | 16.1 | -0.83 | - 4.9 | 0.4/07.6  | 22232 |
| 1991 CN               | 96 10 08.1 | 00 55.76 | +07 46.4 | 16.3 | -1.03 | - 4.5 | 0.7/08.6  | 27934 |
| 2146 T-1              | 96 10 08.2 | 00 56.15 | +04 38.4 | 16.5 | -0.74 | - 5.0 | 0.4/07.8  | 27938 |
| (6476)                | 96 10 08.3 | 00 56.60 | -17 12.3 | 16.3 | -1.05 | + 2.5 | 9.2/02.8  | 25415 |
| 1988 VS <sub>2</sub>  | 96 10 08.4 | 00 56.95 | +13 08.4 | 15.1 | -0.67 | -13.8 | 2.9/11.3  | 25439 |
| 1977 RR <sub>6</sub>  | 96 10 08.4 | 00 57.21 | +09 40.7 | 15.7 | -0.96 | - 2.3 | 1.7/09.5  | 25077 |
| 1992 RA <sub>4</sub>  | 96 10 08.5 | 00 57.22 | +08 05.2 | 18.3 | -0.96 | - 5.5 | 0.7/09.1  | 25441 |
| 1995 MC               | 96 10 08.5 | 00 57.38 | +40 32.4 | 16.4 | -1.05 | - 2.4 | 11.6/22.1 | 28087 |
| (7196)                | 96 10 08.6 | 00 57.83 | -06 53.2 | 15.9 | -0.87 | - 8.8 | 5.6/04.0  | 27903 |
| 1993 BR <sub>2</sub>  | 96 10 08.8 | 00 58.58 | +09 04.7 | 17.3 | -0.87 | - 3.8 | 0.9/09.7  | 21803 |
| 4139 P-L              | 96 10 09.0 | 00 59.19 | +12 21.1 | 17.9 | -0.56 | - 1.5 | 1.1/11.0  | 24409 |
| 1993 OC <sub>2</sub>  | 96 10 09.0 | 00 59.40 | +34 40.0 | 16.5 | -1.61 | + 2.2 | 12.9/15.9 | 25228 |
| 1996 PK               | 96 10 09.0 | 00 59.43 | +07 10.0 | 17.4 | -1.00 | - 4.8 | 0.3/09.3  | 28088 |
| (6458)                | 96 10 09.4 | 01 00.84 | +07 24.9 | 15.2 | -0.71 | -14.1 | 0.4/09.8  | 25324 |
| 1996 TT <sub>11</sub> | 96 10 09.4 | 01 00.90 | +06 38.8 | 16.3 | -0.83 | - 6.2 | 0.1/09.5  | 28081 |
| 1995 GA               | 96 10 09.4 | 01 00.94 | -06 11.3 | 17.5 | -0.95 | - 7.3 | 4.9/05.4  | 25223 |
| 1975 XF               | 96 10 09.6 | 01 01.53 | -02 33.8 | 16.5 | -0.74 | - 9.0 | 4.4/06.4  | 27930 |
| 1989 RG               | 96 10 09.8 | 01 02.03 | +14 27.5 | 15.6 | -0.98 | - 4.1 | 3.7/12.1  | 23133 |
| 1984 SR <sub>5</sub>  | 96 10 09.8 | 01 02.41 | +06 32.5 | 16.7 | -0.80 | - 2.9 | 0.0/09.9  | 28084 |
| (7266)                | 96 10 10.0 | 01 03.01 | +03 55.8 | 18.2 | -0.94 | - 4.9 | 0.9/09.2  | 28069 |
| 1992 PT               | 96 10 10.4 | 01 04.36 | +07 16.8 | 17.1 | -0.87 | - 6.0 | 11.6/31.0 | 28073 |
| 3074 P-L              | 96 10 10.6 | 01 04.99 | +13 53.0 | 16.9 | -0.75 | - 6.9 | 2.0/13.0  | 28088 |
| 4072 P-L              | 96 10 10.6 | 01 05.35 | +09 46.2 | 18.1 | -0.97 | - 6.9 | 1.0/11.6  | 28088 |
| 1985 SW <sub>4</sub>  | 96 10 10.7 | 01 05.57 | +04 58.9 | 16.7 | -0.84 | - 2.6 | 0.6/10.2  | 22698 |
| 1996 TQ <sub>1</sub>  | 96 10 10.8 | 01 05.94 | +06 04.6 | 16.1 | -0.78 | - 6.9 | 0.5/10.5  | 28081 |
| (6518)                | 96 10 10.8 | 01 05.95 | -13 39.1 | 17.3 | -0.85 | - 5.1 | 5.7/04.0  | 25522 |
| 2245 T-1              | 96 10 10.9 | 01 06.46 | +01 57.8 | 17.0 | -0.94 | - 4.5 | 2.1/09.5  | 23993 |
| 1989 GC <sub>4</sub>  | 96 10 11.0 | 01 06.43 | +08 44.5 | 17.7 | -0.79 | - 4.9 | 0.5/11.5  | 28085 |
| 1981 EX <sub>35</sub> | 96 10 11.1 | 01 06.90 | +15 29.4 | 20.0 | -0.95 | - 8.1 | 3.2/13.9  | 26921 |
| 3266 T-1              | 96 10 11.3 | 01 07.94 | +07 32.1 | 18.8 | -0.74 | - 4.3 | 0.1/11.5  | 22432 |
| 1981 EC <sub>40</sub> | 96 10 11.4 | 01 07.94 | +28 23.8 | 17.5 | -0.90 | - 3.4 | 9.2/18.6  | 26922 |
| 1994 GR <sub>9</sub>  | 96 10 11.8 | 01 09.47 | +07 29.4 | 16.8 | -0.73 | - 4.3 | 0.0/11.9  | 28087 |
| 1978 SQ <sub>4</sub>  | 96 10 11.8 | 01 09.50 | +11 53.0 | 15.5 | -0.95 | - 1.3 | 2.3/13.0  | 25077 |
| 3295 T-2              | 96 10 11.9 | 01 09.98 | -00 49.4 | 17.4 | -0.82 | - 8.2 | 3.5/09.2  | 21126 |
| 1981 ES <sub>20</sub> | 96 10 12.0 | 01 10.38 | +09 43.6 | 18.2 | -0.88 | - 4.6 | 0.8/12.8  | 11045 |
| 1977 FN               | 96 10 12.2 | 01 10.90 | +25 51.0 | 17.1 | -0.89 | - 6.5 | 5.8/18.6  | 28083 |
| 1989 YX <sub>6</sub>  | 96 10 12.3 | 01 11.35 | -03 05.1 | 16.7 | -0.92 | - 6.1 | 4.7/08.9  | 23991 |
| 1981 EF <sub>12</sub> | 96 10 12.5 | 01 12.27 | +15 59.0 | 19.2 | -0.99 | - 6.8 | 3.0/15.2  | 21966 |
| 1992 LP               | 96 10 12.5 | 01 12.27 | +01 00.7 | 15.0 | -0.91 | - 4.7 | 3.3/10.6  | 28086 |
| 4314 P-L              | 96 10 12.6 | 01 12.53 | +15 21.3 | 16.0 | -0.89 | + 1.1 | 3.9/14.6  | 14629 |
| 1988 CP <sub>1</sub>  | 96 10 12.8 | 01 13.47 | +03 15.1 | 17.1 | -0.79 | - 5.3 | 1.5/11.5  | 27932 |
| 1316 T-2              | 96 10 12.9 | 01 13.72 | +07 42.3 | 18.6 | -0.90 | - 4.2 | 0.0/12.9  | 28088 |
| 1981 ED <sub>26</sub> | 96 10 13.0 | 01 14.05 | +05 41.7 | 18.5 | -0.94 | - 7.8 | 0.8/12.4  | 26919 |
| 1981 ER <sub>13</sub> | 96 10 13.0 | 01 14.12 | +15 03.6 | 20.0 | -0.89 | - 5.4 | 2.5/15.3  | 26917 |
| 1981 EW <sub>12</sub> | 96 10 13.2 | 01 14.54 | +17 28.4 | 19.7 | -1.06 | - 4.4 | 3.9/16.0  | 26917 |
| 1991 RY <sub>16</sub> | 96 10 13.2 | 01 14.67 | -00 20.9 | 16.7 | -0.84 | - 3.3 | 2.5/10.8  | 25538 |
| 1981 PF               | 96 10 13.7 | 01 16.77 | -14 04.9 | 16.3 | -0.69 | - 8.0 | 10.7/05.6 | 20811 |
| 1981 EP <sub>8</sub>  | 96 10 14.3 | 01 19.04 | +21 47.6 | 21.2 | -0.93 | - 3.5 | 3.8/18.5  | 26916 |

|                       |            |          |          |      |       |       |          |       |
|-----------------------|------------|----------|----------|------|-------|-------|----------|-------|
| 3290 T-2              | 96 10 14.4 | 01 19.16 | +06 33.0 | 17.5 | -0.78 | - 3.1 | 0.5/13.9 | 28088 |
| 3211 T-2              | 96 10 14.4 | 01 19.40 | +05 14.5 | 19.0 | -0.73 | - 4.0 | 0.8/13.5 | 15728 |
| 1991 DJ <sub>1</sub>  | 96 10 14.5 | 01 19.77 | -02 14.5 | 15.4 | -1.01 | - 5.3 | 4.2/11.4 | 25538 |
| 3163 T-2              | 96 10 14.6 | 01 19.92 | +04 07.0 | 19.5 | -0.73 | - 3.9 | 1.1/13.3 | 28083 |
| 5175 T-3              | 96 10 14.6 | 01 20.03 | -10 11.6 | 18.5 | -0.94 | - 4.7 | 6.3/08.9 | 22702 |
| 1994 GD <sub>9</sub>  | 96 10 14.7 | 01 20.12 | +06 31.1 | 16.8 | -0.89 | -14.0 | 0.6/14.0 | 25651 |
| 1992 RZ <sub>5</sub>  | 96 10 14.8 | 01 20.64 | +03 50.1 | 17.5 | -0.95 | - 5.2 | 1.6/13.5 | 23350 |
| 1993 XY               | 96 10 14.9 | 01 21.08 | +06 36.1 | 19.0 | -0.93 | - 7.3 | 0.7/14.3 | 28087 |
| 1992 SK <sub>26</sub> | 96 10 15.1 | 01 22.00 | +03 32.8 | 17.2 | -0.80 | - 7.4 | 2.2/13.5 | 25641 |
| 1981 EG <sub>25</sub> | 96 10 15.6 | 01 23.51 | +18 19.2 | 19.6 | -0.95 | - 3.7 | 2.8/18.4 | 27303 |
| 1989 UP <sub>1</sub>  | 96 10 15.6 | 01 23.58 | -04 48.4 | 15.6 | -0.92 | - 1.5 | 6.8/11.9 | 28085 |
| 1996 RB <sub>4</sub>  | 96 10 15.7 | 01 23.89 | +31 21.4 | 16.1 | -0.96 | - 4.5 | 8.8/23.1 | 28079 |
| 1981 EN <sub>33</sub> | 96 10 15.7 | 01 24.22 | +15 37.3 | 20.3 | -1.07 | - 5.1 | 2.7/17.7 | 26921 |
| (6381)                | 96 10 15.7 | 01 24.28 | -01 59.6 | 15.8 | -0.98 | - 5.8 | 4.1/12.6 | 25199 |
| 1990 RW <sub>4</sub>  | 96 10 16.0 | 01 24.95 | +15 26.3 | 15.9 | -0.79 | - 4.4 | 1.9/18.0 | 28072 |
| 1991 SV               | 96 10 16.2 | 01 25.77 | -05 07.0 | 16.0 | -0.90 | - 1.8 | 5.1/12.3 | 23349 |
| 1992 YW <sub>3</sub>  | 96 10 16.4 | 01 26.51 | -09 50.1 | 16.4 | -0.90 | - 3.2 | 6.3/10.6 | 23675 |
| 1990 QO <sub>3</sub>  | 96 10 16.4 | 01 26.70 | +18 06.8 | 16.0 | -0.89 | - 1.8 | 2.9/19.0 | 28085 |
| 5011 P-L              | 96 10 16.4 | 01 26.81 | +14 39.5 | 18.1 | -0.84 | - 6.5 | 1.9/18.3 | 20830 |
| 1988 VB <sub>1</sub>  | 96 10 16.5 | 01 26.91 | +20 04.0 | 15.3 | -1.18 | + 2.2 | 5.0/19.0 | 21972 |
| (7253)                | 96 10 16.6 | 01 27.38 | +02 38.5 | 15.8 | -0.76 | - 3.7 | 2.0/14.7 | 28067 |
| 1988 CW <sub>4</sub>  | 96 10 16.7 | 01 27.95 | +17 03.7 | 16.6 | -0.78 | - 6.0 | 2.4/19.3 | 22599 |
| 1996 TN               | 96 10 16.8 | 01 28.18 | +04 29.5 | 15.6 | -1.05 | - 2.0 | 2.1/15.6 | 28081 |
| 1977 EL <sub>5</sub>  | 96 10 16.9 | 01 28.44 | -03 42.7 | 17.6 | -0.68 | - 9.0 | 3.7/12.3 | 21964 |
| 1995 DA <sub>3</sub>  | 96 10 16.9 | 01 28.64 | +25 16.0 | 17.5 | -1.00 | -19.5 | 6.8/23.3 | 25433 |
| (6496)                | 96 10 16.9 | 01 28.70 | +05 09.8 | 16.8 | -1.03 | - 1.4 | 1.4/15.9 | 25421 |
| 4017 P-L              | 96 10 17.0 | 01 28.90 | +21 58.6 | 16.6 | -1.13 | + 3.8 | 6.0/19.7 | 22601 |
| 1981 EP <sub>11</sub> | 96 10 17.1 | 01 29.30 | +20 39.3 | 16.9 | -1.01 | - 3.2 | 5.7/21.0 | 26917 |
| 1990 QM <sub>1</sub>  | 96 10 17.1 | 01 29.39 | +05 43.4 | 16.3 | -0.74 | - 5.0 | 1.3/16.0 | 28072 |
| 1991 TT <sub>13</sub> | 96 10 17.2 | 01 29.48 | +26 04.3 | 17.0 | -0.81 | - 4.7 | 4.5/22.6 | 22594 |
| 1991 GG <sub>10</sub> | 96 10 17.3 | 01 29.81 | +01 24.7 | 16.9 | -0.98 | - 5.9 | 3.4/14.9 | 28072 |
| 3066 P-L              | 96 10 17.5 | 01 30.88 | +11 45.6 | 16.6 | -0.78 | - 9.8 | 0.8/18.4 | 22490 |
| 1996 RS <sub>5</sub>  | 96 10 17.6 | 01 31.03 | +14 29.0 | 14.9 | -1.07 | + 1.6 | 2.0/18.7 | 28080 |
| 1992 LK               | 96 10 17.6 | 01 31.15 | -00 57.7 | 16.3 | -1.06 | - 2.4 | 4.7/15.0 | 25441 |
| 1262 T-2              | 96 10 17.8 | 01 31.95 | +12 22.6 | 19.0 | -1.10 | - 4.3 | 1.0/18.6 | 15078 |
| 1991 PB <sub>2</sub>  | 96 10 17.9 | 01 32.28 | -00 28.0 | 18.9 | -0.86 | - 4.7 | 3.0/15.0 | 23124 |
| 1992 RJ <sub>3</sub>  | 96 10 17.9 | 01 32.39 | +18 17.7 | 17.8 | -1.06 | - 3.7 | 3.2/20.4 | 28086 |
| (6427)                | 96 10 17.9 | 01 32.41 | +16 27.0 | 15.7 | -1.08 | - 4.4 | 2.9/19.9 | 25209 |
| 1992 WZ <sub>5</sub>  | 96 10 18.2 | 01 33.42 | +31 24.9 | 16.4 | -0.90 | - 7.5 | 8.7/25.7 | 28086 |
| 1992 WX <sub>2</sub>  | 96 10 18.2 | 01 33.54 | +09 48.2 | 16.8 | -0.86 | - 6.3 | 0.0/18.3 | 28086 |
| (6472)                | 96 10 18.3 | 01 33.77 | +12 26.7 | 16.2 | -0.76 | - 6.2 | 0.9/19.2 | 25414 |
| 1979 MB <sub>2</sub>  | 96 10 18.4 | 01 34.23 | -00 49.1 | 15.8 | -0.83 | - 7.3 | 4.8/14.9 | 22696 |
| 1990 QQ <sub>1</sub>  | 96 10 18.5 | 01 34.45 | +30 25.1 | 16.1 | -1.04 | + 0.7 | 7.5/23.8 | 21974 |
| 1981 EY <sub>38</sub> | 96 10 18.6 | 01 34.96 | +22 03.7 | 17.7 | -1.02 | -10.0 | 4.8/22.8 | 22271 |
| 1981 ET <sub>18</sub> | 96 10 18.8 | 01 35.70 | +14 58.7 | 18.8 | -0.96 | - 4.0 | 1.8/20.3 | 26918 |
| 1992 PJ <sub>2</sub>  | 96 10 18.8 | 01 35.84 | +11 09.1 | 16.7 | -0.97 | - 9.2 | 0.5/19.3 | 22085 |
| (6450)                | 96 10 19.0 | 01 36.23 | -04 12.8 | 15.8 | -0.91 | - 5.2 | 5.2/14.9 | 25321 |
| 4234 T-2              | 96 10 19.0 | 01 36.45 | +09 27.2 | 16.8 | -0.80 | - 3.1 | 0.2/18.9 | 23792 |
| 1981 EY <sub>35</sub> | 96 10 19.0 | 01 36.56 | +12 52.8 | 17.7 | -1.05 | - 4.5 | 1.0/19.9 | 28084 |
| 1985 VD <sub>1</sub>  | 96 10 19.1 | 01 36.64 | +12 13.5 | 15.7 | -0.85 | - 2.5 | 0.8/19.7 | 28084 |
| 1981 EH <sub>20</sub> | 96 10 19.2 | 01 37.10 | +08 36.5 | 19.4 | -0.85 | - 5.6 | 0.5/18.8 | 21967 |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1996 SS <sub>4</sub>  | 96 10 19.4 | 01 38.03 | +09 43.2 | 18.4 | -0.94 | - 7.1 | 0.2/19.3  | 28080 |
| (7265)                | 96 10 19.4 | 01 38.11 | +08 15.1 | 17.4 | -0.89 | - 7.5 | 0.7/18.9  | 28069 |
| 1996 SD <sub>1</sub>  | 96 10 19.6 | 01 38.65 | +11 49.7 | 16.8 | -0.91 | - 1.6 | 0.5/20.1  | 28088 |
| 1995 JC               | 96 10 19.7 | 01 38.85 | +07 41.7 | 18.8 | -0.94 | - 4.0 | 0.8/19.0  | 28075 |
| 1990 SL <sub>9</sub>  | 96 10 19.9 | 01 39.61 | +06 34.6 | 17.2 | -0.76 | - 4.1 | 1.0/18.8  | 25649 |
| (6398)                | 96 10 20.0 | 01 40.23 | -25 25.9 | 17.0 | -0.95 | - 4.7 | 10.9/07.9 | 25203 |
| 1992 UQ               | 96 10 20.1 | 01 40.47 | +06 11.0 | 15.7 | -0.89 | - 6.6 | 1.5/18.8  | 28086 |
| (7235)                | 96 10 20.1 | 01 40.53 | +17 06.0 | 15.6 | -1.05 | - 1.7 | 3.4/21.8  | 28062 |
| 1978 RN <sub>5</sub>  | 96 10 20.1 | 01 40.62 | +24 37.9 | 15.1 | -1.06 | + 4.2 | 7.4/23.3  | 21964 |
| 1992 UO <sub>3</sub>  | 96 10 20.1 | 01 40.63 | +09 01.1 | 15.5 | -1.12 | + 0.9 | 0.6/19.9  | 28086 |
| 1985 VL               | 96 10 20.3 | 01 41.36 | +11 18.5 | 16.5 | -0.70 | - 7.8 | 0.2/20.6  | 18110 |
| 1979 MZ <sub>2</sub>  | 96 10 20.5 | 01 41.98 | +07 23.8 | 17.2 | -0.90 | - 5.8 | 1.2/19.6  | 28083 |
| 3100 T-3              | 96 10 20.6 | 01 42.36 | +06 28.3 | 18.5 | -0.92 | - 5.8 | 1.4/19.4  | 22088 |
| 1984 EU <sub>1</sub>  | 96 10 20.7 | 01 42.78 | +16 02.5 | 17.3 | -1.06 | - 4.7 | 2.1/22.2  | 28084 |
| (6553)                | 96 10 20.7 | 01 42.89 | -08 42.8 | 16.8 | -0.74 | - 4.7 | 5.7/14.7  | 25630 |
| 1981 EU <sub>43</sub> | 96 10 20.7 | 01 42.96 | +38 15.3 | 18.4 | -1.15 | + 0.5 | 11.6/28.4 | 26923 |
| 1994 EJ <sub>1</sub>  | 96 10 21.0 | 01 43.76 | -05 39.4 | 16.0 | -0.75 | -12.2 | 5.6/14.9  | 28074 |
| 1981 EO <sub>5</sub>  | 96 10 21.0 | 01 44.12 | +16 04.4 | 19.2 | -0.97 | - 8.1 | 2.1/22.7  | 26915 |
| 1981 DK <sub>2</sub>  | 96 10 21.3 | 01 44.89 | +20 43.8 | 20.0 | -0.93 | - 4.4 | 2.9/24.1  | 26914 |
| 1993 QT               | 96 10 21.5 | 01 45.71 | +42 55.9 | 16.3 | -1.77 | + 3.3 | 15.4/29.2 | 27936 |
| 1991 PN <sub>8</sub>  | 96 10 21.5 | 01 45.77 | +08 48.4 | 16.1 | -0.78 | - 5.6 | 0.9/20.9  | 28073 |
| 1981 DQ <sub>3</sub>  | 96 10 21.5 | 01 45.81 | +26 32.8 | 17.0 | -0.96 | - 3.7 | 4.7/26.1  | 27302 |
| 1992 QB               | 96 10 21.5 | 01 45.99 | -15 10.4 | 16.9 | -1.40 | + 7.8 | 11.5/18.3 | 22432 |
| 1996 SK <sub>6</sub>  | 96 10 21.6 | 01 46.22 | +09 03.7 | 16.7 | -0.69 | - 7.3 | 0.7/21.0  | 28080 |
| 5016 P-L              | 96 10 21.7 | 01 46.64 | +13 16.0 | 18.4 | -1.11 | - 3.9 | 0.9/22.3  | 28088 |
| 1990 RV               | 96 10 22.1 | 01 47.91 | +06 51.0 | 16.6 | -0.79 | - 4.5 | 1.3/20.8  | 26189 |
| 1992 PW <sub>1</sub>  | 96 10 22.1 | 01 47.97 | +09 20.1 | 16.5 | -0.97 | - 6.1 | 0.7/21.6  | 28086 |
| 1991 GP <sub>6</sub>  | 96 10 22.2 | 01 48.66 | +10 19.1 | 19.1 | -0.94 | - 5.9 | 0.3/22.0  | 28086 |
| 1991 GW               | 96 10 22.6 | 01 50.14 | +09 10.2 | 18.7 | -1.03 | - 3.2 | 0.7/22.1  | 28072 |
| 1995 OA <sub>2</sub>  | 96 10 23.0 | 01 51.46 | +13 10.0 | 17.2 | -0.76 | - 6.9 | 0.5/23.6  | 28087 |
| 1107 T-2              | 96 10 23.0 | 01 51.73 | +15 00.2 | 17.7 | -0.89 | - 5.3 | 1.3/24.1  | 21978 |
| 1994 CZ <sub>11</sub> | 96 10 23.1 | 01 51.82 | +05 45.1 | 16.2 | -0.88 | - 2.8 | 2.9/21.6  | 23982 |
| 1989 SC <sub>1</sub>  | 96 10 23.2 | 01 52.31 | +14 41.9 | 15.8 | -0.99 | - 5.9 | 1.5/24.2  | 27728 |
| 1992 WR <sub>3</sub>  | 96 10 23.2 | 01 52.49 | -10 17.9 | 16.4 | -0.92 | - 2.2 | 7.5/17.2  | 28086 |
| 1996 TG <sub>5</sub>  | 96 10 23.3 | 01 52.67 | +07 03.1 | 15.9 | -1.01 | - 4.3 | 2.2/22.1  | 28081 |
| 1981 EZ <sub>7</sub>  | 96 10 23.3 | 01 52.90 | +13 20.4 | 16.8 | -0.84 | - 7.5 | 0.7/23.9  | 21966 |
| 1993 FR <sub>44</sub> | 96 10 23.4 | 01 52.95 | +17 18.1 | 15.6 | -0.83 | - 3.6 | 1.8/25.0  | 23528 |
| 6700 P-L              | 96 10 23.5 | 01 53.56 | +13 18.4 | 18.0 | -0.91 | - 3.5 | 0.6/24.0  | 28082 |
| 1995 LD               | 96 10 23.5 | 01 53.66 | +12 47.0 | 18.5 | -0.94 | - 7.8 | 0.4/23.9  | 28076 |
| 1994 EO <sub>2</sub>  | 96 10 23.7 | 01 54.35 | +40 58.5 | 15.7 | -2.00 | +17.6 | 16.1/24.2 | 23992 |
| (6406)                | 96 10 23.7 | 01 54.39 | -04 00.3 | 14.4 | -0.85 | - 6.5 | 7.5/19.0  | 25205 |
| 1995 JG               | 96 10 24.0 | 01 55.22 | +07 11.3 | 16.0 | -1.71 | + 9.0 | 2.4/23.5  | 28075 |
| 1989 TX <sub>15</sub> | 96 10 24.0 | 01 55.40 | +14 35.2 | 16.3 | -1.10 | - 3.2 | 1.1/24.8  | 28085 |
| 1992 AK <sub>1</sub>  | 96 10 24.0 | 01 55.47 | +07 11.4 | 15.5 | -0.77 | - 3.7 | 1.6/22.8  | 28086 |
| 1995 GV               | 96 10 24.2 | 01 55.94 | +10 05.6 | 17.4 | -0.98 | - 6.7 | 0.7/23.7  | 26191 |
| 1981 EP <sub>42</sub> | 96 10 24.2 | 01 56.16 | +09 51.4 | 17.2 | -0.84 | - 6.3 | 0.8/23.7  | 21933 |
| 1993 FK <sub>80</sub> | 96 10 24.2 | 01 56.17 | +10 47.2 | 15.6 | -0.84 | - 2.3 | 0.4/24.0  | 25428 |
| 1984 SY <sub>5</sub>  | 96 10 24.3 | 01 56.42 | +07 58.0 | 15.7 | -0.76 | - 4.1 | 1.3/23.2  | 28084 |
| 1968 OL               | 96 10 24.5 | 01 57.22 | -27 33.2 | 18.7 | -1.05 | - 1.6 | 13.4/13.8 | 25646 |
| 1991 NA <sub>2</sub>  | 96 10 24.5 | 01 57.29 | -02 08.4 | 17.8 | -0.85 | - 4.6 | 4.4/20.5  | 25440 |
| 1989 AG               | 96 10 24.6 | 01 57.72 | -07 49.7 | 16.6 | -0.92 | - 2.6 | 6.7/19.2  | 23537 |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1990 QP <sub>3</sub>  | 96 10 24.6 | 01 57.81 | +08 06.7 | 16.5 | -0.79 | - 3.8 | 1.3/23.6  | 24582 |
| 1978 RQ <sub>9</sub>  | 96 10 24.7 | 01 57.79 | +20 20.8 | 17.0 | -1.10 | - 3.4 | 3.2/26.8  | 25438 |
| (6816)                | 96 10 24.7 | 01 58.23 | +08 35.8 | 18.0 | -1.00 | - 5.6 | 1.3/23.8  | 26550 |
| 1992 YV <sub>2</sub>  | 96 10 24.8 | 01 58.25 | +28 37.0 | 15.6 | -0.87 | - 7.7 | 6.3/30.3  | 28086 |
| 1988 KB               | 96 10 24.9 | 01 58.65 | -26 04.6 | 17.4 | -1.11 | + 1.0 | 12.4/15.9 | 25439 |
| 1986 EJ <sub>1</sub>  | 96 10 25.0 | 01 58.94 | +21 51.3 | 17.1 | -1.08 | - 1.2 | 3.1/27.4  | 25439 |
| 1981 ET <sub>13</sub> | 96 10 25.0 | 01 59.14 | +19 00.0 | 18.7 | -1.04 | - 5.7 | 2.3/27.0  | 21966 |
| 4523 P-L              | 96 10 25.1 | 01 59.45 | +12 06.0 | 17.9 | -0.51 | - 2.9 | 0.0/25.1  | 18130 |
| 1993 XP <sub>1</sub>  | 96 10 25.3 | 02 00.15 | +04 27.1 | 16.9 | -0.95 | - 6.3 | 3.0/23.1  | 23248 |
| 1994 AL <sub>3</sub>  | 96 10 25.6 | 02 01.39 | +07 32.6 | 16.1 | -0.91 | - 8.2 | 1.9/24.2  | 28087 |
| 1981 EO <sub>6</sub>  | 96 10 25.7 | 02 01.87 | +21 02.6 | 18.1 | -0.85 | - 8.0 | 3.5/28.5  | 26915 |
| 1990 JN <sub>1</sub>  | 96 10 25.7 | 02 02.04 | +13 17.9 | 16.7 | -0.84 | - 4.9 | 0.3/26.0  | 22592 |
| 1993 CO               | 96 10 25.8 | 02 02.00 | +11 36.8 | 15.5 | -0.85 | - 3.6 | 0.3/25.6  | 25651 |
| 1991 FE <sub>1</sub>  | 96 10 25.8 | 02 02.23 | +19 20.4 | 15.2 | -0.99 | - 4.7 | 3.3/27.7  | 28085 |
| 1991 PU               | 96 10 25.8 | 02 02.34 | +19 48.2 | 16.5 | -0.89 | - 5.2 | 2.9/28.0  | 24104 |
| (7261)                | 96 10 25.9 | 02 02.51 | +03 10.6 | 15.6 | -0.80 | -10.2 | 3.4/22.8  | 28068 |
| 1981 EA <sub>23</sub> | 96 10 25.9 | 02 02.53 | +21 58.9 | 18.8 | -0.99 | - 2.7 | 3.2/28.4  | 26919 |
| 1994 GD <sub>1</sub>  | 96 10 26.1 | 02 03.15 | +02 43.4 | 18.1 | -0.81 | - 2.6 | 2.5/23.5  | 23791 |
| 1991 PE <sub>10</sub> | 96 10 26.1 | 02 03.30 | +26 02.6 | 16.4 | -0.99 | - 2.0 | 5.4/29.7  | 28086 |
| 1981 GG               | 96 10 26.2 | 02 03.94 | +11 05.0 | 17.3 | -1.03 | - 1.1 | 0.5/25.9  | 23682 |
| 4272 T-2              | 96 10 26.4 | 02 04.32 | +07 33.2 | 17.3 | -1.04 | - 5.5 | 2.2/25.0  | 28088 |
| 2370 T-3              | 96 10 26.6 | 02 05.15 | +14 31.4 | 17.4 | -0.82 | - 7.6 | 0.6/27.2  | 23686 |
| 2561 P-L              | 96 10 26.6 | 02 05.22 | +16 35.4 | 16.8 | -1.02 | - 1.0 | 1.3/27.5  | 28088 |
| (7224)                | 96 10 26.8 | 02 06.24 | +28 19.8 | 16.2 | -0.97 | - 3.2 | 6.0/31.2  | 28060 |
| 1981 EU <sub>6</sub>  | 96 10 27.5 | 02 08.69 | +21 30.7 | 17.4 | -0.99 | -11.1 | 3.8/31.0  | 27303 |
| 3155 T-2              | 96 10 27.6 | 02 09.02 | +03 31.2 | 17.5 | -0.75 | - 4.4 | 2.8/24.9  | 25536 |
| 1991 HM               | 96 10 27.6 | 02 09.30 | +05 06.6 | 16.9 | -1.06 | - 1.3 | 2.9/25.9  | 20508 |
| 2216 T-2              | 96 10 27.6 | 02 09.38 | +13 08.1 | 16.9 | -0.81 | - 4.0 | 0.0/27.7  | 27939 |
| 1981 EC <sub>35</sub> | 96 10 27.7 | 02 09.51 | +04 43.6 | 19.5 | -0.98 | - 6.3 | 3.2/25.5  | 26921 |
| (6409)                | 96 10 27.8 | 02 10.05 | +03 29.0 | 15.5 | -1.09 | + 0.9 | 3.7/25.9  | 25205 |
| 1983 RM <sub>2</sub>  | 96 10 27.9 | 02 10.22 | +06 36.0 | 16.5 | -0.92 | - 3.3 | 2.8/26.3  | 28084 |
| 1981 EZ <sub>15</sub> | 96 10 28.0 | 02 10.95 | +23 45.1 | 17.7 | -1.05 | - 5.0 | 4.9/31.0  | 25078 |
| 1993 FF <sub>4</sub>  | 96 10 28.1 | 02 11.17 | +12 45.0 | 16.7 | -0.84 | - 3.5 | 0.2/28.0  | 24230 |
| 1979 MB <sub>6</sub>  | 96 10 28.2 | 02 11.61 | +06 01.3 | 16.9 | -0.90 | - 5.7 | 3.6/26.3  | 22270 |
| 1981 ER <sub>28</sub> | 96 10 28.2 | 02 11.65 | +29 22.2 | 18.3 | -1.19 | + 0.6 | 6.2/31.9  | 26920 |
| (7141)                | 96 10 28.3 | 02 12.00 | +09 38.0 | 17.0 | -0.92 | - 2.0 | 1.1/27.5  | 27706 |
| (6511)                | 96 10 28.4 | 02 12.11 | +26 07.5 | 16.7 | -0.97 | - 4.7 | 4.1/32.0  | 25520 |
| 1990 SV <sub>12</sub> | 96 10 28.4 | 02 12.47 | +11 28.7 | 16.8 | -0.81 | - 3.3 | 0.7/28.0  | 28085 |
| 1975 SF <sub>1</sub>  | 96 10 28.4 | 02 12.47 | +14 45.9 | 17.0 | -1.02 | - 2.1 | 0.5/28.8  | 28083 |
| 1981 EO <sub>31</sub> | 96 10 28.5 | 02 12.43 | +10 00.9 | 20.1 | -0.86 | - 5.2 | 1.0/27.6  | 26921 |
| 3474 T-3              | 96 10 28.5 | 02 12.69 | +11 07.5 | 18.6 | -0.98 | - 4.1 | 0.7/28.0  | 28088 |
| 1978 NY <sub>7</sub>  | 96 10 28.6 | 02 12.94 | +09 32.6 | 16.6 | -0.80 | - 3.6 | 1.2/27.6  | 28083 |
| 1990 DZ <sub>1</sub>  | 96 10 28.6 | 02 13.27 | +23 45.0 | 16.8 | -1.03 | - 4.3 | 3.9/31.4  | 25080 |
| 1991 RQ <sub>11</sub> | 96 10 28.7 | 02 13.22 | -11 56.0 | 17.6 | -0.85 | - 4.4 | 8.4/21.2  | 23685 |
| 1125 T-2              | 96 10 28.7 | 02 13.31 | +12 46.2 | 17.3 | -0.78 | - 4.4 | 0.2/28.6  | 28088 |
| (6548)                | 96 10 28.7 | 02 13.49 | +25 52.7 | 16.8 | -0.84 | - 5.2 | 3.7/01.5  | 25629 |
| 1989 BC               | 96 10 28.9 | 02 13.97 | -05 28.4 | 16.6 | -0.86 | - 2.6 | 5.6/23.9  | 28085 |
| (6468)                | 96 10 29.0 | 02 14.70 | +10 39.1 | 16.3 | -0.88 | - 5.1 | 1.0/28.3  | 25413 |
| (6403)                | 96 10 29.0 | 02 14.76 | +18 42.9 | 15.6 | -0.88 | -10.0 | 1.8/31.0  | 25204 |
| (6438)                | 96 10 29.1 | 02 14.76 | +06 14.4 | 17.5 | -1.01 | - 6.2 | 2.7/27.2  | 25319 |
| 3219 T-1              | 96 10 29.1 | 02 15.19 | +19 22.8 | 18.7 | -1.08 | - 4.8 | 2.2/30.7  | 21601 |

|                       |            |          |          |      |       |       |           |       |                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| (6376)                | 96 10 29.2 | 02 15.19 | -08 00.0 | 16.5 | -0.87 | - 6.4 | 7.5/23.0  | 25198 | 6600 P-L              | 96 11 02.3 | 02 31.47 | +13 24.7 | 17.6 | -1.09 | - 4.3 | 0.6/02.0  | 28088 |
| 1988 VS <sub>6</sub>  | 96 10 29.2 | 02 15.39 | +12 42.5 | 16.6 | -0.66 | - 5.0 | 0.3/29.0  | 27911 | 1994 CJ <sub>2</sub>  | 96 11 02.4 | 02 31.83 | +02 44.9 | 18.6 | -0.90 | - 4.2 | 3.9/30.4  | 24584 |
| 1991 SY               | 96 10 29.4 | 02 16.02 | +16 38.1 | 17.1 | -1.01 | - 1.2 | 1.0/30.1  | 23349 | 1991 VV <sub>5</sub>  | 96 11 02.4 | 02 31.96 | +01 03.0 | 16.3 | -0.85 | - 1.6 | 4.4/30.2  | 25530 |
| 1988 VK <sub>2</sub>  | 96 10 29.6 | 02 16.95 | +04 18.5 | 15.7 | -0.97 | - 1.1 | 4.0/27.5  | 23246 | 3196 T-3              | 96 11 02.5 | 02 32.20 | +12 11.5 | 17.7 | -1.03 | - 3.9 | 1.1/01.9  | 28088 |
| 3288 T-2              | 96 10 29.7 | 02 17.29 | +12 07.3 | 18.8 | -0.77 | - 3.5 | 0.4/29.3  | 15729 | 1989 TJ <sub>2</sub>  | 96 11 02.6 | 02 32.45 | +25 01.3 | 15.5 | -1.08 | - 3.7 | 4.7/05.0  | 28085 |
| 1980 DD <sub>1</sub>  | 96 10 29.7 | 02 17.37 | +15 26.4 | 16.6 | -0.94 | - 2.0 | 0.5/30.2  | 28084 | 1993 BS <sub>4</sub>  | 96 11 02.6 | 02 32.53 | +15 13.6 | 17.4 | -0.80 | - 3.6 | 0.1/02.7  | 25331 |
| 2213 T-1              | 96 10 29.7 | 02 17.51 | +20 57.4 | 16.9 | -0.88 | - 2.2 | 2.2/31.6  | 28088 | 1977 UD               | 96 11 02.6 | 02 32.63 | +11 54.0 | 16.0 | -1.01 | - 2.3 | 1.4/02.0  | 13690 |
| (6414)                | 96 10 29.8 | 02 17.51 | +14 33.7 | 15.5 | -1.12 | - 4.7 | 0.3/30.0  | 25207 | 1984 JR               | 96 11 02.7 | 02 32.99 | +10 14.2 | 18.8 | -1.01 | - 4.1 | 1.8/01.6  | 25636 |
| 1970 JB               | 96 10 29.8 | 02 17.74 | +43 29.5 | 18.9 | -1.24 | - 5.4 | 9.0/07.8  | 18412 | 1992 PV               | 96 11 02.7 | 02 33.02 | +13 31.2 | 17.1 | -0.98 | - 6.2 | 0.7/02.4  | 28086 |
| 1984 DR               | 96 10 29.8 | 02 17.89 | +02 08.0 | 16.2 | -0.94 | - 6.0 | 5.4/26.6  | 23132 | 1975 VK <sub>2</sub>  | 96 11 02.9 | 02 33.79 | +11 42.5 | 16.1 | -0.85 | - 3.2 | 1.2/02.1  | 28083 |
| 1981 EQ <sub>13</sub> | 96 10 30.0 | 02 18.50 | +31 14.6 | 18.4 | -1.07 | - 2.6 | 5.4/03.4  | 26917 | 1988 XX <sub>1</sub>  | 96 11 02.9 | 02 33.83 | +23 23.0 | 15.3 | -1.24 | + 3.8 | 3.8/04.3  | 28085 |
| 1992 OV <sub>2</sub>  | 96 10 30.2 | 02 19.30 | -02 54.2 | 17.5 | -0.94 | - 4.5 | 7.3/25.7  | 28086 | 9057 P-L              | 96 11 03.1 | 02 34.39 | +20 43.8 | 17.8 | -1.06 | - 4.8 | 2.0/04.5  | 27938 |
| 1989 RV <sub>2</sub>  | 96 10 30.3 | 02 19.72 | +12 18.0 | 15.5 | -1.10 | - 0.7 | 0.8/30.0  | 28071 | 1984 CF               | 96 11 03.3 | 02 35.20 | +01 45.4 | 16.5 | -0.90 | - 2.2 | 4.5/31.1  | 25537 |
| 1990 EA <sub>7</sub>  | 96 10 30.4 | 02 19.84 | +25 48.4 | 16.4 | -1.07 | - 2.4 | 4.3/02.3  | 24240 | 2034 T-2              | 96 11 03.4 | 02 35.82 | +14 50.2 | 17.5 | -0.82 | - 3.6 | 0.1/03.4  | 28082 |
| 1188 T-1              | 96 10 30.5 | 02 20.28 | +22 00.0 | 17.3 | -1.13 | - 3.7 | 3.0/01.5  | 22087 | 1991 UC               | 96 11 03.5 | 02 36.01 | +17 00.2 | 16.3 | -0.87 | - 4.1 | 0.6/04.0  | 22815 |
| 1986 RF <sub>7</sub>  | 96 10 30.5 | 02 20.32 | +09 57.0 | 16.5 | -1.04 | - 5.6 | 1.8/29.5  | 28084 | (6310)                | 96 11 03.5 | 02 36.20 | -20 45.4 | 15.7 | -1.53 | + 9.0 | 17.8/30.4 | 25050 |
| 1991 PZ <sub>11</sub> | 96 10 30.5 | 02 20.46 | +32 08.3 | 17.4 | -1.01 | - 4.4 | 5.6/04.6  | 26580 | 1990 EX <sub>2</sub>  | 96 11 03.7 | 02 36.90 | +02 20.1 | 15.5 | -0.80 | - 9.4 | 5.5/30.8  | 28085 |
| 1978 VP <sub>2</sub>  | 96 10 30.5 | 02 20.58 | +17 08.2 | 17.0 | -1.04 | - 5.4 | 1.2/31.0  | 25077 | 1992 OJ <sub>8</sub>  | 96 11 03.7 | 02 37.06 | +27 46.2 | 16.1 | -1.12 | - 5.8 | 5.2/07.1  | 23134 |
| 1992 YB <sub>1</sub>  | 96 10 30.6 | 02 20.92 | +15 48.1 | 16.4 | -0.87 | - 3.9 | 0.6/31.1  | 25650 | 4843 T-1              | 96 11 03.8 | 02 37.21 | +16 14.5 | 19.2 | -0.81 | - 2.6 | 0.2/04.1  | 21124 |
| 1981 EY <sub>40</sub> | 96 10 30.7 | 02 20.95 | +14 04.6 | 19.3 | -0.90 | - 5.0 | 0.0/30.7  | 22271 | (6546)                | 96 11 03.9 | 02 37.72 | +31 35.7 | 16.6 | -0.83 | - 5.1 | 4.3/08.6  | 25628 |
| 1981 EQ <sub>11</sub> | 96 10 30.8 | 02 21.72 | +20 30.2 | 17.9 | -0.99 | - 7.4 | 2.9/01.7  | 26917 | 1993 MK               | 96 11 04.0 | 02 37.93 | -35 00.5 | 16.5 | -1.24 | + 7.0 | 24.8/25.6 | 22489 |
| 1994 GT <sub>9</sub>  | 96 10 30.9 | 02 22.09 | +12 59.3 | 16.2 | -0.94 | - 2.4 | 0.4/30.7  | 28087 | 1988 CT <sub>4</sub>  | 96 11 04.0 | 02 38.05 | +09 54.7 | 16.9 | -0.77 | - 6.0 | 1.6/02.5  | 28071 |
| 1994 AE <sub>9</sub>  | 96 10 31.0 | 02 22.51 | +16 42.9 | 18.4 | -1.01 | - 5.4 | 1.0/31.7  | 23982 | 1991 VC <sub>2</sub>  | 96 11 04.5 | 02 40.00 | +12 27.3 | 16.1 | -0.78 | - 7.2 | 1.1/03.7  | 28073 |
| 1991 RK <sub>11</sub> | 96 10 31.1 | 02 22.53 | -03 31.2 | 17.3 | -0.88 | - 4.4 | 5.7/26.3  | 23239 | 1995 FM <sub>11</sub> | 96 11 04.5 | 02 40.26 | +11 18.9 | 18.9 | -1.07 | - 6.5 | 1.8/03.5  | 25523 |
| 1992 OP <sub>5</sub>  | 96 10 31.3 | 02 23.49 | +10 48.3 | 17.4 | -1.00 | - 6.1 | 1.3/30.4  | 28086 | 1994 CX <sub>1</sub>  | 96 11 04.7 | 02 40.87 | +38 22.3 | 15.8 | -1.11 | - 4.1 | 7.2/11.1  | 28087 |
| 1985 UW <sub>4</sub>  | 96 10 31.3 | 02 23.58 | +03 32.5 | 15.8 | -0.82 | - 2.6 | 3.7/28.7  | 28084 | 3187 T-2              | 96 11 04.7 | 02 40.99 | +21 41.0 | 16.4 | -1.11 | - 0.9 | 2.6/06.0  | 23786 |
| 1988 DD <sub>3</sub>  | 96 10 31.3 | 02 23.69 | +25 12.6 | 17.8 | -0.85 | - 5.4 | 3.3/03.5  | 25537 | 1982 FN               | 96 11 04.8 | 02 41.44 | -11 06.2 | 18.7 | -0.84 | - 7.8 | 7.8/27.7  | 25078 |
| 1995 KL <sub>1</sub>  | 96 10 31.5 | 02 24.17 | +49 06.0 | 17.9 | -1.39 | - 3.9 | 11.1/11.1 | 26191 | 3176 T-2              | 96 11 04.9 | 02 41.43 | +17 53.3 | 17.8 | -1.06 | - 2.8 | 0.9/05.4  | 23870 |
| 1988 VJ <sub>2</sub>  | 96 10 31.5 | 02 24.18 | +12 55.3 | 15.0 | -0.54 | - 9.9 | 0.7/31.0  | 28085 | 1990 RQ <sub>8</sub>  | 96 11 05.0 | 02 41.94 | +16 54.5 | 17.3 | -0.85 | - 3.5 | 0.4/05.3  | 23515 |
| 1981 EG <sub>40</sub> | 96 10 31.5 | 02 24.38 | +11 22.5 | 17.8 | -0.78 | - 4.2 | 1.1/30.8  | 26922 | 1981 EX <sub>11</sub> | 96 11 05.1 | 02 42.66 | +37 54.3 | 22.5 | -0.94 | - 1.6 | 5.0/10.6  | 26917 |
| 1981 EG <sub>23</sub> | 96 10 31.5 | 02 24.53 | +15 11.2 | 17.8 | -0.82 | - 3.7 | 0.3/31.8  | 26919 | 1992 RO <sub>5</sub>  | 96 11 05.2 | 02 43.07 | +10 43.6 | 16.4 | -0.98 | - 2.5 | 2.4/04.2  | 23538 |
| 1995 JK               | 96 10 31.6 | 02 24.49 | +01 18.9 | 18.0 | -0.96 | - 4.4 | 5.2/28.3  | 25335 | 1992 AP <sub>1</sub>  | 96 11 05.3 | 02 43.40 | +16 47.3 | 15.5 | -0.82 | - 3.9 | 0.3/05.6  | 23519 |
| 1995 FU               | 96 10 31.6 | 02 24.67 | +13 57.4 | 16.0 | -1.14 | - 3.1 | 0.2/31.6  | 28087 | 4101 T-2              | 96 11 05.4 | 02 43.57 | +13 56.2 | 17.8 | -0.79 | - 3.3 | 0.5/05.0  | 22244 |
| 4607 P-L              | 96 10 31.7 | 02 24.97 | +17 20.3 | 17.8 | -0.94 | - 3.1 | 0.9/01.5  | 20830 | 1984 QS               | 96 11 05.4 | 02 43.85 | +14 47.0 | 17.2 | -0.83 | - 3.2 | 0.3/05.2  | 22076 |
| 1979 QX <sub>9</sub>  | 96 10 31.8 | 02 25.52 | +13 51.5 | 16.3 | -0.81 | - 4.5 | 0.2/31.7  | 25536 | 1981 ET <sub>10</sub> | 96 11 05.5 | 02 44.07 | +35 10.0 | 17.7 | -1.11 | - 2.8 | 6.3/10.4  | 25078 |
| 4095 P-L              | 96 10 31.8 | 02 25.62 | +16 08.5 | 18.1 | -0.86 | - 6.4 | 0.7/01.4  | 20829 | 1986 QX <sub>1</sub>  | 96 11 05.5 | 02 44.29 | +18 26.4 | 16.5 | -1.16 | - 3.7 | 1.1/06.2  | 22430 |
| 1995 FA <sub>1</sub>  | 96 10 31.9 | 02 25.85 | +14 22.9 | 18.2 | -1.08 | - 6.1 | 0.0/31.9  | 25533 | 1991 GC <sub>10</sub> | 96 11 05.6 | 02 44.42 | +15 17.7 | 17.1 | -1.12 | - 1.7 | 0.3/05.5  | 24583 |
| (6436)                | 96 11 01.0 | 02 26.03 | +08 19.2 | 17.0 | -1.03 | - 5.2 | 2.5/30.5  | 25318 | 1153 T-2              | 96 11 05.6 | 02 44.60 | +14 19.6 | 16.9 | -0.80 | - 3.8 | 0.5/05.3  | 26193 |
| 2149 T-1              | 96 11 01.2 | 02 27.26 | +21 28.8 | 16.6 | -0.89 | - 2.2 | 2.2/03.0  | 25436 | 1990 TH <sub>7</sub>  | 96 11 05.7 | 02 44.73 | +16 53.5 | 17.0 | -0.83 | - 3.5 | 0.3/06.0  | 24761 |
| 1981 ED <sub>16</sub> | 96 11 01.4 | 02 27.70 | +19 12.0 | 19.7 | -1.06 | - 6.0 | 1.7/02.6  | 26918 | (7227)                | 96 11 05.8 | 02 45.01 | +09 08.2 | 16.2 | -0.93 | - 4.2 | 2.9/04.2  | 28060 |
| 1992 PX               | 96 11 01.4 | 02 28.07 | +06 59.8 | 17.3 | -0.92 | - 6.0 | 3.4/30.4  | 24107 | 4343 T-3              | 96 11 05.8 | 02 45.12 | +05 10.6 | 17.8 | -0.81 | - 5.4 | 3.0/03.0  | 22702 |
| 1991 LQ               | 96 11 01.5 | 02 28.45 | -07 46.5 | 16.7 | -0.99 | 0.0   | 8.3/27.9  | 28072 | 1988 XO               | 96 11 06.0 | 02 46.09 | -07 05.4 | 15.9 | -1.04 | + 3.3 | 10.0/02.3 | 25339 |
| 1981 EG <sub>18</sub> | 96 11 01.7 | 02 28.91 | +21 57.8 | 18.1 | -1.12 | - 3.7 | 3.0/03.5  | 26918 | 1991 PO <sub>8</sub>  | 96 11 06.3 | 02 47.09 | +29 40.5 | 17.5 | -1.02 | - 3.2 | 5.9/10.0  | 22083 |
| 3286 T-1              | 96 11 01.7 | 02 29.08 | +27 29.3 | 18.3 | -1.10 | - 0.4 | 4.5/04.5  | 21602 | 1990 RH <sub>7</sub>  | 96 11 06.3 | 02 47.20 | +13 53.5 | 17.1 | -0.83 | - 2.8 | 0.8/05.8  | 23671 |
| 1992 PS <sub>6</sub>  | 96 11 01.9 | 02 29.71 | +19 26.6 | 15.7 | -0.96 | - 7.8 | 2.0/03.3  | 27729 | 6531 P-L              | 96 11 06.3 | 02 47.24 | +20 40.6 | 16.9 | -1.16 | - 2.0 | 2.1/07.3  | 28088 |
| 1981 ES <sub>5</sub>  | 96 11 02.0 | 02 30.00 | +33 24.3 | 16.7 | -0.98 | - 5.3 | 7.8/07.5  | 19857 | 2604 P-L              | 96 11 06.3 | 02 47.38 | +19 05.9 | 18.1 | -1.07 | - 3.9 | 1.0/07.1  | 25442 |
| 1975 SA <sub>1</sub>  | 96 11 02.0 | 02 30.10 | +18 52.0 | 16.8 | -0.92 | - 1.5 | 1.2/03.0  | 28083 | 6629 P-L              | 96 11 06.4 | 02 47.76 | +11 25.1 | 17.3 | -0.52 | - 2.6 | 0.9/05.2  | 28088 |
| 1981 EQ <sub>6</sub>  | 96 11 02.2 | 02 30.78 | +33 45.6 | 20.5 | -1.06 | - 2.9 | 5.8/07.1  | 26915 | 1991 GE <sub>8</sub>  | 96 11 06.5 | 02 48.27 | +21 29.9 | 16.8 | -1.15 | - 1.8 | 2.3/07.7  | 25064 |
| (6676)                | 96 11 02.2 | 02 30.89 | +13 39.6 | 17.4 | -0.80 | - 4.0 | 0.3/01.9  | 25952 | 1988 VP               | 96 11 06.7 | 02 48.94 | +11 20.4 | 15.3 | -1.14 | + 2.3 | 2.0/06.0  | 28085 |
| 1994 GD <sub>2</sub>  | 96 11 02.2 | 02 30.92 | +06 42.3 | 19.9 | -0.79 | - 4.4 | 2.5/31.1  | 23678 | 1981 EP <sub>19</sub> | 96 11 06.9 | 02 49.64 | +11 00.6 | 16.3 | -0.99 | - 5.5 | 2.5/05.7  | 25438 |
| 1989 WD               | 96 11 02.2 | 02 31.17 | +09 20.6 | 15.6 | -1.07 | - 2.1 | 2.1/01.1  | 23246 | (6407)                | 96 11 06.9 | 02 49.70 | +14 08.3 | 17.8 | -1.03 | - 6.6 | 0.8/06.4  | 25205 |

|                       |            |          |          |      |       |       |           |       |                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1990 BJ               | 96 11 07.0 | 02 49.87 | +61 22.1 | 14.9 | -0.98 | -10.1 | 21.3/30.0 | 21973 | 1992 YC <sub>2</sub>  | 96 11 11.0 | 03 06.02 | +20 12.8 | 16.3 | -0.91 | - 4.4 | 1.3/11.7  | 22595 |
| 3196 T-1              | 96 11 07.0 | 02 49.88 | +17 09.6 | 17.6 | -0.89 | - 4.4 | 0.3/07.2  | 23791 | 1985 TD               | 96 11 11.0 | 03 06.16 | -11 50.5 | 15.1 | -0.63 | -21.7 | 13.7/28.8 | 28084 |
| 1973 QR <sub>1</sub>  | 96 11 07.0 | 02 50.05 | +14 19.3 | 16.2 | -1.09 | - 6.4 | 0.9/06.6  | 27725 | 1990 QZ <sub>4</sub>  | 96 11 11.0 | 03 06.34 | -07 40.4 | 15.8 | -0.78 | - 2.1 | 9.1/05.4  | 28085 |
| 1995 SO <sub>3</sub>  | 96 11 07.0 | 02 50.14 | +33 02.7 | 18.3 | -0.94 | - 4.4 | 4.7/11.5  | 25966 | 1989 YV <sub>4</sub>  | 96 11 11.2 | 03 06.71 | +18 17.4 | 17.2 | -1.05 | - 3.3 | 0.3/11.4  | 21973 |
| 1985 RD               | 96 11 07.1 | 02 50.51 | +17 55.6 | 16.7 | -0.87 | - 3.5 | 0.5/07.5  | 25438 | 3355 T-3              | 96 11 11.2 | 03 06.80 | +11 40.4 | 19.0 | -0.85 | - 5.8 | 1.9/09.8  | 20518 |
| 1976 UP <sub>2</sub>  | 96 11 07.2 | 02 50.57 | +20 09.8 | 16.6 | -1.11 | 0.0   | 2.0/07.9  | 28083 | 1995 CS <sub>1</sub>  | 96 11 11.2 | 03 06.87 | -05 53.9 | 17.7 | -1.10 | -16.8 | 10.5/03.8 | 25442 |
| 1995 KF               | 96 11 07.4 | 02 51.46 | -18 27.3 | 19.7 | -0.97 | - 1.6 | 10.7/30.5 | 25533 | 1981 EW <sub>10</sub> | 96 11 11.4 | 03 07.86 | +28 29.7 | 20.3 | -1.17 | - 4.4 | 4.1/13.8  | 26916 |
| (7225)                | 96 11 07.4 | 02 51.73 | +26 40.7 | 15.6 | -1.07 | - 6.7 | 4.5/10.0  | 28060 | (6440)                | 96 11 11.5 | 03 08.33 | +13 32.8 | 16.0 | -0.97 | - 4.7 | 1.8/10.7  | 25319 |
| (6665)                | 96 11 07.5 | 02 51.93 | +00 45.7 | 15.9 | -0.85 | - 1.4 | 5.2/04.1  | 25950 | 1992 MB               | 96 11 11.6 | 03 08.76 | +11 28.7 | 16.2 | -1.03 | - 6.1 | 2.8/10.3  | 28086 |
| 3134 T-3              | 96 11 07.9 | 02 53.74 | +12 09.2 | 16.9 | -1.08 | - 6.5 | 2.1/06.9  | 28088 | 1981 ET <sub>45</sub> | 96 11 11.7 | 03 08.82 | +05 33.2 | 18.0 | -0.77 | - 8.0 | 4.3/08.3  | 26923 |
| 1981 EV <sub>33</sub> | 96 11 08.0 | 02 53.91 | -07 53.1 | 20.2 | -0.82 | - 9.4 | 8.6/31.4  | 26921 | 1981 EK <sub>41</sub> | 96 11 11.8 | 03 09.16 | +11 05.9 | 16.6 | -1.01 | - 6.6 | 2.7/10.3  | 25338 |
| (6574)                | 96 11 08.0 | 02 53.99 | +38 07.7 | 17.7 | -0.91 | - 1.6 | 4.9/13.3  | 25717 | 1995 CC <sub>2</sub>  | 96 11 11.9 | 03 10.07 | +46 44.0 | 17.5 | -1.53 | - 8.5 | 12.9/20.3 | 25432 |
| 1981 DU               | 96 11 08.0 | 02 54.23 | +22 38.7 | 17.8 | -1.08 | - 7.5 | 2.4/10.0  | 26914 | 1993 GE               | 96 11 12.1 | 03 10.51 | +11 48.7 | 16.3 | -0.91 | + 0.6 | 1.5/11.1  | 28087 |
| (7240)                | 96 11 08.1 | 02 54.37 | +23 17.8 | 15.7 | -1.10 | - 0.8 | 3.2/09.4  | 28064 | 1990 QY               | 96 11 12.2 | 03 10.85 | +11 36.1 | 17.2 | -0.80 | - 4.7 | 1.8/10.8  | 25649 |
| 1994 EG <sub>7</sub>  | 96 11 08.1 | 02 54.37 | +04 00.3 | 17.3 | -0.98 | - 3.2 | 5.3/05.3  | 23992 | (6336)                | 96 11 12.2 | 03 10.95 | +25 47.2 | 15.9 | -1.17 | + 0.5 | 3.4/13.6  | 25056 |
| 1982 FP <sub>3</sub>  | 96 11 08.1 | 02 54.43 | +15 24.5 | 17.4 | -0.79 | - 3.0 | 0.3/07.9  | 21968 | 1981 UE <sub>26</sub> | 96 11 12.4 | 03 11.66 | +13 51.0 | 16.1 | -0.88 | - 2.7 | 1.4/11.6  | 22075 |
| 1991 TQ <sub>6</sub>  | 96 11 08.2 | 02 54.92 | +22 01.6 | 18.4 | -0.93 | - 4.5 | 1.8/09.6  | 25649 | 1991 PY <sub>12</sub> | 96 11 12.4 | 03 11.75 | +40 20.6 | 15.9 | -1.13 | - 1.9 | 9.5/17.4  | 21795 |
| 1992 SW <sub>3</sub>  | 96 11 08.4 | 02 55.69 | +16 52.2 | 17.0 | -1.00 | - 2.7 | 0.1/08.5  | 23538 | 1981 EP <sub>12</sub> | 96 11 12.6 | 03 12.71 | +22 41.2 | 16.0 | -1.05 | - 7.2 | 2.2/13.8  | 27708 |
| 1994 AC <sub>13</sub> | 96 11 08.4 | 02 55.73 | +16 49.4 | 20.1 | -1.05 | - 3.6 | 0.0/08.5  | 23529 | 2087 T-2              | 96 11 13.0 | 03 14.47 | +24 32.6 | 17.4 | -0.99 | - 3.2 | 2.4/14.5  | 21978 |
| 1981 EM <sub>35</sub> | 96 11 08.5 | 02 55.81 | +24 18.1 | 19.2 | -1.17 | - 3.1 | 2.9/10.1  | 26921 | (7117)                | 96 11 13.1 | 03 14.50 | +09 09.5 | 17.5 | -1.09 | - 3.9 | 3.7/11.3  | 27700 |
| 1981 EN <sub>6</sub>  | 96 11 08.6 | 02 56.51 | +24 07.4 | 19.1 | -1.11 | - 6.7 | 2.8/10.5  | 26915 | 1982 FX <sub>3</sub>  | 96 11 13.2 | 03 14.87 | +22 58.5 | 16.9 | -0.85 | - 2.3 | 1.3/14.2  | 27726 |
| 4262 T-1              | 96 11 08.6 | 02 56.61 | +14 16.4 | 17.2 | -0.92 | - 3.0 | 0.8/08.1  | 21808 | 1994 AC               | 96 11 13.3 | 03 15.52 | +20 43.5 | 16.1 | -1.06 | - 6.4 | 1.3/14.0  | 23248 |
| 1978 UJ <sub>4</sub>  | 96 11 08.6 | 02 56.64 | +18 37.0 | 17.2 | -0.91 | - 8.4 | 0.9/09.2  | 20921 | 1981 EB <sub>16</sub> | 96 11 13.3 | 03 15.60 | +22 47.0 | 18.4 | -1.10 | - 5.7 | 2.0/14.4  | 26918 |
| 1990 HU <sub>1</sub>  | 96 11 08.7 | 02 56.60 | -06 27.0 | 17.6 | -0.88 | - 3.6 | 8.1/03.1  | 24582 | 1993 CQ               | 96 11 13.7 | 03 17.00 | +00 54.7 | 15.0 | -0.87 | - 1.2 | 7.1/10.4  | 28086 |
| 6114 P-L              | 96 11 08.7 | 02 56.67 | +34 11.7 | 18.5 | -1.09 | - 2.0 | 5.4/12.5  | 21978 | 4116 P-L              | 96 11 13.7 | 03 17.11 | +17 59.3 | 16.4 | -1.12 | - 5.3 | 0.1/13.7  | 28088 |
| 1993 FM <sub>16</sub> | 96 11 08.7 | 02 56.95 | +13 18.6 | 15.8 | -0.84 | - 1.6 | 1.2/08.0  | 28087 | 1984 DZ               | 96 11 13.7 | 03 17.26 | +29 45.1 | 17.9 | -1.18 | - 3.1 | 3.9/16.1  | 23132 |
| 1981 EJ <sub>27</sub> | 96 11 08.7 | 02 57.07 | +17 51.4 | 19.9 | -1.07 | - 4.7 | 0.4/09.0  | 26920 | 1985 RR <sub>3</sub>  | 96 11 13.8 | 03 17.59 | +03 47.2 | 17.0 | -0.80 | - 4.4 | 4.5/10.6  | 24385 |
| 1994 JS <sub>1</sub>  | 96 11 08.8 | 02 57.00 | -06 36.5 | 18.9 | -0.87 | - 5.8 | 6.6/02.4  | 25643 | 1993 DQ <sub>2</sub>  | 96 11 13.9 | 03 17.87 | +13 24.6 | 16.5 | -0.89 | - 2.9 | 1.7/12.9  | 28086 |
| 1981 EC <sub>43</sub> | 96 11 08.8 | 02 57.26 | +10 57.2 | 17.3 | -1.02 | - 6.5 | 2.6/07.4  | 26922 | (6422)                | 96 11 14.1 | 03 18.62 | -04 36.5 | 15.5 | -0.93 | - 1.4 | 7.9/09.8  | 25208 |
| 1981 ER <sub>8</sub>  | 96 11 08.8 | 02 57.47 | +24 43.4 | 18.6 | -1.01 | - 3.8 | 3.0/10.7  | 26916 | 1990 RG <sub>2</sub>  | 96 11 14.3 | 03 19.47 | +06 14.7 | 16.2 | -0.79 | - 5.5 | 4.2/11.5  | 23671 |
| 1987 BC <sub>2</sub>  | 96 11 09.0 | 02 58.02 | +23 14.6 | 15.3 | -0.94 | - 6.6 | 3.2/10.7  | 27932 | 1990 SZ <sub>4</sub>  | 96 11 14.3 | 03 19.59 | +18 04.1 | 18.1 | -0.86 | - 2.6 | 0.1/14.3  | 25529 |
| 1981 EO <sub>13</sub> | 96 11 09.0 | 02 58.23 | +25 42.6 | 19.4 | -1.15 | - 4.2 | 3.5/11.0  | 26917 | 2206 T-3              | 96 11 14.7 | 03 21.29 | +20 25.1 | 18.1 | -0.91 | - 4.5 | 0.7/15.2  | 24120 |
| 1989 EH <sub>1</sub>  | 96 11 09.2 | 02 58.99 | +11 03.5 | 16.7 | -0.88 | - 4.5 | 2.0/07.9  | 25648 | 4135 T-2              | 96 11 14.9 | 03 21.93 | +24 30.6 | 17.5 | -1.04 | - 0.8 | 2.1/16.0  | 19690 |
| 1401 T-2              | 96 11 09.3 | 02 59.43 | +20 15.4 | 19.1 | -1.05 | - 4.5 | 1.2/10.1  | 24237 | 1993 XO <sub>1</sub>  | 96 11 15.5 | 03 24.50 | +15 48.0 | 15.6 | -1.07 | - 6.3 | 1.3/14.9  | 25217 |
| 1993 HH <sub>3</sub>  | 96 11 09.6 | 03 00.26 | +12 23.5 | 15.9 | -0.82 | - 3.3 | 1.5/08.5  | 23528 | 1984 SF <sub>6</sub>  | 96 11 15.6 | 03 25.14 | +15 03.3 | 17.0 | -0.83 | - 2.5 | 1.3/15.0  | 22076 |
| 1981 EP <sub>40</sub> | 96 11 09.7 | 03 00.81 | +09 27.5 | 17.3 | -1.01 | - 7.5 | 3.4/07.9  | 21968 | (6770)                | 96 11 15.7 | 03 25.27 | +02 55.6 | 16.1 | -0.80 | - 3.6 | 5.5/12.3  | 26384 |
| 1981 EF <sub>5</sub>  | 96 11 09.7 | 03 00.95 | +16 06.0 | 16.0 | -0.85 | -10.8 | 0.4/09.5  | 23682 | 1993 YJ               | 96 11 15.8 | 03 25.72 | +25 42.5 | 15.6 | -1.05 | - 5.6 | 3.6/17.4  | 23135 |
| (6486)                | 96 11 09.7 | 03 00.98 | +10 13.5 | 16.4 | -0.99 | - 6.3 | 2.6/08.1  | 25417 | (6483)                | 96 11 15.8 | 03 25.78 | +11 11.3 | 16.2 | -0.93 | - 5.1 | 3.2/14.2  | 28057 |
| 1982 FS <sub>3</sub>  | 96 11 09.9 | 03 01.52 | +05 38.7 | 16.6 | -0.76 | - 5.4 | 3.3/07.0  | 26188 | 1981 EY <sub>39</sub> | 96 11 15.9 | 03 26.14 | +17 33.3 | 19.6 | -1.11 | - 4.4 | 0.5/15.7  | 20629 |
| 1989 RJ               | 96 11 09.9 | 03 01.65 | +13 56.8 | 14.8 | -0.81 | - 7.6 | 1.7/09.1  | 27933 | 2080 T-2              | 96 11 15.9 | 03 26.22 | +16 32.9 | 16.2 | -1.00 | - 5.8 | 0.9/15.5  | 23346 |
| 1995 SK <sub>5</sub>  | 96 11 10.0 | 03 01.85 | +34 38.8 | 17.8 | -1.07 | - 4.4 | 5.6/14.2  | 28087 | 1981 EM <sub>27</sub> | 96 11 15.9 | 03 26.37 | +14 41.5 | 18.1 | -0.83 | - 3.0 | 1.3/15.2  | 26920 |
| 1981 ET <sub>20</sub> | 96 11 10.0 | 03 02.17 | +28 37.3 | 19.6 | -1.07 | - 2.1 | 3.8/12.4  | 22429 | 1980 TO <sub>5</sub>  | 96 11 16.2 | 03 27.38 | +16 40.5 | 16.0 | -0.83 | - 6.7 | 0.7/15.7  | 22074 |
| 1991 VL <sub>10</sub> | 96 11 10.0 | 03 02.20 | +14 05.2 | 17.4 | -0.86 | - 4.0 | 1.1/09.4  | 20511 | 1981 ER <sub>29</sub> | 96 11 16.3 | 03 27.63 | +04 40.2 | 18.0 | -0.89 | - 7.5 | 5.2/12.8  | 26920 |
| 1981 EA <sub>12</sub> | 96 11 10.0 | 03 02.27 | +16 47.3 | 17.5 | -1.05 | - 5.8 | 0.2/10.0  | 23132 | 1981 EM <sub>1</sub>  | 96 11 16.3 | 03 27.79 | +15 24.7 | 16.3 | -0.84 | - 2.7 | 1.2/15.7  | 25211 |
| 1969 QR               | 96 11 10.2 | 03 02.80 | +19 50.4 | 16.6 | -1.08 | - 8.2 | 1.1/10.9  | 21963 | 3019 T-3              | 96 11 16.3 | 03 27.98 | +09 36.6 | 17.3 | -0.87 | - 5.2 | 3.2/14.4  | 25652 |
| 2287 T-2              | 96 11 10.4 | 03 03.56 | +09 19.1 | 17.6 | -0.87 | - 4.9 | 2.8/08.5  | 21978 | 6673 P-L              | 96 11 16.4 | 03 28.31 | -09 16.0 | 16.9 | -0.73 | - 4.5 | 8.1/09.6  | 23680 |
| 1976 UB <sub>2</sub>  | 96 11 10.5 | 03 04.06 | +18 29.3 | 16.9 | -0.88 | - 3.8 | 0.4/10.8  | 28070 | 2259 T-1              | 96 11 16.4 | 03 28.32 | +12 19.8 | 17.2 | -0.84 | - 2.7 | 2.3/15.2  | 23540 |
| 1989 SR <sub>1</sub>  | 96 11 10.8 | 03 05.29 | +12 56.1 | 17.7 | -1.11 | - 2.4 | 1.8/10.0  | 25339 | 1988 XQ               | 96 11 16.4 | 03 28.38 | +26 52.9 | 15.4 | -0.80 | -11.6 | 4.0/18.8  | 21972 |
| 1986 VB <sub>1</sub>  | 96 11 10.9 | 03 05.91 | +23 02.1 | 16.1 | -1.00 | - 7.8 | 2.7/12.4  | 23246 | 1981 DL <sub>2</sub>  | 96 11 16.5 | 03 28.59 | +32 55.8 | 19.4 | -1.23 | - 4.1 | 5.3/19.4  | 26914 |
| 1995 HN <sub>2</sub>  | 96 11 11.0 | 03 05.97 | +14 28.1 | 15.3 | -1.18 | + 1.1 | 1.4/10.6  | 28087 | 1995 OD <sub>1</sub>  | 96 11 16.5 | 03 28.62 | +00 51.4 | 19.0 | -0.80 | - 3.4 | 5.5/12.7  | 28076 |
| 1990 SJ <sub>16</sub> | 96 11 11.0 | 03 06.00 | +25 38.4 | 15.8 | -0.88 | - 4.4 | 3.0/13.0  | 19306 | 1981 DV               | 96 11 16.5 | 03 28.65 | +09 24.3 | 17.9 | -0.88 | - 8.5 | 3.5/14.2  | 11044 |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1990 RE <sub>5</sub>  | 96 11 16.6 | 03 28.95 | +37 24.7 | 17.4 | -1.02 | - 2.4 | 5.3/20.4  | 27933 |
| 1981 EL <sub>12</sub> | 96 11 16.6 | 03 29.17 | +25 06.1 | 18.9 | -1.14 | - 4.8 | 2.7/17.9  | 22270 |
| 1993 FN <sub>41</sub> | 96 11 16.6 | 03 29.19 | +17 21.2 | 16.5 | -0.84 | - 3.6 | 0.6/16.4  | 25539 |
| 1991 GC <sub>7</sub>  | 96 11 16.6 | 03 29.21 | +23 07.2 | 17.7 | -1.19 | - 1.7 | 1.7/17.4  | 27934 |
| (6603)                | 96 11 16.8 | 03 29.78 | -02 52.9 | 17.4 | -0.91 | - 1.1 | 6.5/12.9  | 25724 |
| (6384)                | 96 11 17.0 | 03 30.64 | -06 05.5 | 14.7 | -1.70 | +15.3 | 13.0/17.5 | 25200 |
| 1981 EJ <sub>38</sub> | 96 11 17.1 | 03 30.92 | +10 11.7 | 17.4 | -0.90 | - 5.4 | 2.9/15.2  | 26922 |
| 1978 PH <sub>3</sub>  | 96 11 17.3 | 03 31.71 | +19 16.5 | 17.7 | -0.83 | - 3.0 | 0.1/17.3  | 25635 |
| 1972 TF               | 96 11 17.3 | 03 31.98 | +11 19.8 | 16.2 | -0.98 | - 5.2 | 3.8/15.8  | 28083 |
| 1995 SU <sub>32</sub> | 96 11 17.3 | 03 32.05 | +00 14.6 | 19.0 | -0.74 | - 3.5 | 5.3/13.3  | 25967 |
| 1985 TJ <sub>1</sub>  | 96 11 17.3 | 03 32.14 | +27 31.7 | 16.8 | -0.99 | - 0.5 | 2.7/18.8  | 17016 |
| (7232)                | 96 11 17.4 | 03 32.25 | +14 23.1 | 17.0 | -1.10 | - 1.4 | 2.1/16.7  | 28062 |
| 1995 OL <sub>1</sub>  | 96 11 17.5 | 03 32.63 | +23 46.8 | 18.2 | -1.00 | - 3.2 | 1.5/18.4  | 27937 |
| 1981 EZ <sub>24</sub> | 96 11 17.5 | 03 32.83 | +03 33.7 | 18.8 | -0.87 | - 5.0 | 4.9/14.2  | 26919 |
| 3357 T-2              | 96 11 17.6 | 03 32.97 | +19 33.5 | 16.1 | -1.12 | - 3.1 | 0.2/17.7  | 24237 |
| (6493)                | 96 11 17.7 | 03 33.43 | -31 20.6 | 15.7 | -1.07 | + 2.1 | 24.7/06.1 | 25420 |
| 1989 NH <sub>1</sub>  | 96 11 17.9 | 03 34.35 | +09 25.8 | 17.2 | -1.15 | - 2.1 | 4.2/16.4  | 22081 |
| 1981 EC <sub>11</sub> | 96 11 17.9 | 03 34.38 | +24 32.3 | 19.3 | -0.99 | - 4.2 | 1.8/19.0  | 21966 |
| (6525)                | 96 11 17.9 | 03 34.40 | +18 31.4 | 15.7 | -0.99 | - 5.2 | 0.3/17.8  | 25523 |
| 1274 T-2              | 96 11 17.9 | 03 34.57 | +21 29.4 | 17.8 | -0.97 | - 2.8 | 0.8/18.4  | 21952 |
| 1995 SC <sub>5</sub>  | 96 11 18.0 | 03 35.01 | +19 31.3 | 18.3 | -0.83 | - 2.7 | 0.1/18.1  | 26928 |
| (6538)                | 96 11 18.1 | 03 35.47 | +17 46.3 | 16.5 | -0.90 | - 3.5 | 0.5/17.9  | 25626 |
| 1981 EO <sub>25</sub> | 96 11 18.2 | 03 35.68 | -05 05.9 | 18.7 | -0.74 | - 5.8 | 7.3/12.2  | 26919 |
| 4631 P-L              | 96 11 18.3 | 03 36.23 | +28 02.1 | 17.4 | -1.20 | - 1.3 | 3.5/19.8  | 25085 |
| 1991 PK <sub>11</sub> | 96 11 18.4 | 03 36.48 | +31 15.5 | 15.3 | -1.01 | - 3.7 | 4.9/20.8  | 28086 |
| 1991 ED               | 96 11 18.5 | 03 37.02 | +24 04.8 | 17.3 | -1.20 | - 1.0 | 1.8/19.3  | 18128 |
| 1990 ST <sub>6</sub>  | 96 11 18.5 | 03 37.16 | +14 07.5 | 18.3 | -0.86 | - 2.0 | 1.7/17.7  | 18297 |
| 1993 OW <sub>1</sub>  | 96 11 18.7 | 03 37.57 | -33 20.5 | 16.7 | -1.24 | + 7.1 | 25.0/15.1 | 25340 |
| 1981 EO <sub>16</sub> | 96 11 18.7 | 03 37.67 | +14 16.2 | 18.2 | -0.99 | - 9.1 | 2.5/17.5  | 23132 |
| 1990 QV <sub>4</sub>  | 96 11 18.7 | 03 37.70 | +02 23.8 | 15.9 | -0.84 | - 1.2 | 6.0/15.7  | 23780 |
| 1982 SL <sub>6</sub>  | 96 11 18.7 | 03 37.74 | +26 03.3 | 16.5 | -1.02 | - 1.9 | 2.4/20.0  | 28084 |
| 1974 RY <sub>1</sub>  | 96 11 18.8 | 03 38.06 | +15 32.2 | 17.1 | -1.09 | - 4.3 | 1.6/18.1  | 27725 |
| 1977 EK <sub>1</sub>  | 96 11 18.8 | 03 38.14 | +13 34.3 | 17.8 | -1.05 | - 5.2 | 2.2/17.7  | 25536 |
| 1993 FY <sub>22</sub> | 96 11 19.0 | 03 38.97 | +31 06.7 | 17.4 | -0.98 | - 1.3 | 4.0/21.1  | 23524 |
| 4333 T-1              | 96 11 19.0 | 03 39.09 | +16 42.9 | 18.2 | -0.83 | - 2.4 | 0.8/18.5  | 23533 |
| (6441)                | 96 11 19.1 | 03 39.23 | +15 05.8 | 18.1 | -1.04 | - 3.5 | 1.6/18.3  | 25319 |
| 1990 SX               | 96 11 19.1 | 03 39.39 | +36 54.8 | 16.6 | -1.03 | - 2.5 | 5.8/22.6  | 25529 |
| 1994 CA <sub>1</sub>  | 96 11 19.2 | 03 39.77 | +14 38.6 | 18.7 | -1.01 | - 4.8 | 1.8/18.3  | 27937 |
| 1975 SP <sub>1</sub>  | 96 11 19.2 | 03 39.96 | +09 16.9 | 19.0 | -0.93 | - 6.1 | 4.1/17.1  | 25526 |
| 1974 SF               | 96 11 19.4 | 03 40.44 | +11 46.6 | 16.7 | -0.96 | - 5.3 | 3.8/17.9  | 22072 |
| 1994 JE <sub>1</sub>  | 96 11 19.8 | 03 42.16 | +18 02.4 | 17.4 | -1.14 | - 0.5 | 0.7/19.6  | 28087 |
| 1994 AB <sub>3</sub>  | 96 11 20.0 | 03 43.14 | +04 15.6 | 15.1 | -1.05 | + 0.4 | 7.4/17.8  | 25442 |
| 4545 P-L              | 96 11 20.0 | 03 43.14 | +18 24.6 | 17.0 | -0.88 | - 3.2 | 0.4/19.8  | 17836 |
| (6619)                | 96 11 20.1 | 03 43.42 | +40 18.2 | 14.9 | -1.19 | + 2.2 | 6.9/22.7  | 25939 |
| 1985 VF <sub>1</sub>  | 96 11 20.1 | 03 43.65 | +21 14.7 | 15.7 | -0.95 | - 4.0 | 0.8/20.4  | 28084 |
| 1984 DE <sub>1</sub>  | 96 11 20.1 | 03 43.79 | +22 10.7 | 18.3 | -0.71 | - 2.3 | 0.6/20.6  | 26188 |
| 1993 FJ <sub>22</sub> | 96 11 20.2 | 03 43.80 | +20 43.0 | 16.7 | -0.87 | - 2.6 | 0.3/20.4  | 26421 |
| 1979 PA               | 96 11 20.2 | 03 44.09 | +16 28.2 | 18.7 | -0.99 | - 6.9 | 1.1/19.6  | 25338 |
| 1979 MW <sub>2</sub>  | 96 11 20.4 | 03 45.02 | +14 23.5 | 17.7 | -0.85 | - 3.1 | 1.9/19.5  | 21965 |
| 1993 DO               | 96 11 20.4 | 03 45.09 | +02 44.0 | 15.9 | -0.82 | - 2.9 | 6.0/17.3  | 25651 |
| 2327 T-3              | 96 11 20.5 | 03 45.22 | +21 15.8 | 17.1 | -0.93 | - 4.1 | 0.5/20.8  | 22088 |

|                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1992 OF               | 96 11 20.5 | 03 45.35 | +18 30.4 | 16.0 | -1.12 | - 0.5 | 0.7/20.4  | 28086 |
| 1985 GA <sub>1</sub>  | 96 11 20.5 | 03 45.36 | +10 10.5 | 17.3 | -1.10 | - 2.7 | 3.7/19.0  | 25338 |
| 1995 CZ <sub>1</sub>  | 96 11 20.5 | 03 45.50 | +42 24.4 | 18.3 | -1.49 | -12.4 | 10.3/26.6 | 25432 |
| 1993 EW               | 96 11 20.6 | 03 45.78 | +19 29.3 | 17.4 | -0.84 | - 2.8 | 0.1/20.6  | 22408 |
| 1979 SU <sub>11</sub> | 96 11 20.6 | 03 45.88 | +17 52.4 | 15.7 | -0.87 | - 2.0 | 0.7/20.3  | 27930 |
| (6352)                | 96 11 20.6 | 03 45.95 | +25 54.4 | 16.7 | -1.10 | - 3.7 | 2.4/21.8  | 25059 |
| 1981 DW               | 96 11 20.7 | 03 46.09 | +31 43.9 | 19.6 | -1.06 | - 4.1 | 3.9/23.0  | 26914 |
| 1986 QT <sub>2</sub>  | 96 11 20.8 | 03 46.42 | +16 28.4 | 17.4 | -1.17 | - 2.9 | 1.5/20.3  | 25439 |
| 1992 WP <sub>4</sub>  | 96 11 20.9 | 03 47.20 | +46 26.7 | 14.3 | -1.25 | - 3.5 | 11.5/26.8 | 23685 |
| 3141 T-2              | 96 11 21.0 | 03 47.42 | +22 39.4 | 18.9 | -1.11 | - 2.7 | 1.0/21.5  | 24237 |
| 1994 EB <sub>2</sub>  | 96 11 21.0 | 03 47.42 | -16 11.8 | 17.6 | -1.03 | - 0.9 | 12.5/13.8 | 27313 |
| 1992 OX <sub>1</sub>  | 96 11 21.1 | 03 47.92 | +05 15.2 | 16.3 | -1.02 | - 1.8 | 6.8/18.8  | 28073 |
| 1988 QV               | 96 11 21.2 | 03 48.25 | +08 34.8 | 16.4 | -1.01 | - 3.2 | 4.7/19.3  | 28085 |
| 2480 T-3              | 96 11 21.2 | 03 48.33 | +31 58.2 | 17.2 | -1.18 | - 2.1 | 4.3/23.2  | 27939 |
| 7063 P-L              | 96 11 21.5 | 03 49.49 | +20 35.1 | 17.2 | -1.11 | - 5.5 | 0.2/21.6  | 23135 |
| 1984 TD               | 96 11 21.6 | 03 49.69 | +20 09.9 | 16.4 | -0.86 | - 2.7 | 0.0/21.6  | 23512 |
| 1981 EC <sub>29</sub> | 96 11 21.8 | 03 50.49 | +22 51.8 | 19.0 | -1.00 | - 3.9 | 1.0/22.3  | 21967 |
| 1981 EZ <sub>35</sub> | 96 11 21.8 | 03 50.52 | +19 44.4 | 19.8 | -0.85 | - 2.5 | 0.1/21.7  | 26921 |
| 1981 DW <sub>1</sub>  | 96 11 21.8 | 03 50.79 | +24 10.1 | 20.7 | -0.98 | - 4.3 | 1.3/22.6  | 26914 |
| 1981 EX <sub>7</sub>  | 96 11 21.9 | 03 50.94 | +04 20.0 | 19.0 | -0.89 | - 6.2 | 5.9/18.7  | 26916 |
| 1991 TJ <sub>14</sub> | 96 11 21.9 | 03 51.11 | +14 56.2 | 17.0 | -0.95 | - 2.1 | 1.8/21.1  | 25639 |
| 1990 GS               | 96 11 21.9 | 03 51.40 | +36 52.9 | 17.6 | -1.22 | - 1.0 | 6.2/24.6  | 27728 |
| 2763 P-L              | 96 11 22.0 | 03 51.76 | +18 08.2 | 18.6 | -0.90 | - 2.2 | 0.7/21.7  | 20514 |
| 1991 UA <sub>2</sub>  | 96 11 22.1 | 03 52.12 | +21 43.4 | 17.2 | -0.94 | - 3.0 | 0.5/22.4  | 26190 |
| 1988 UA               | 96 11 22.3 | 03 52.69 | +20 46.7 | 16.3 | -1.05 | - 3.8 | 0.2/22.4  | 27727 |
| 1991 FT <sub>2</sub>  | 96 11 22.3 | 03 52.85 | +26 24.7 | 17.1 | -1.20 | - 1.7 | 2.9/23.3  | 25440 |
| 1991 GT <sub>2</sub>  | 96 11 22.3 | 03 53.07 | +08 48.0 | 17.4 | -0.99 | - 5.5 | 3.9/20.3  | 27934 |
| 1985 GK               | 96 11 22.5 | 03 53.56 | +08 33.7 | 16.7 | -0.90 | - 6.4 | 4.1/20.1  | 28084 |
| 1981 EX <sub>21</sub> | 96 11 22.6 | 03 54.18 | +00 54.0 | 16.5 | -0.88 | - 4.6 | 8.0/19.1  | 22074 |
| 1989 TP <sub>7</sub>  | 96 11 22.7 | 03 54.52 | +10 38.7 | 18.2 | -1.09 | - 2.8 | 4.1/21.2  | 25062 |
| 1979 MH <sub>6</sub>  | 96 11 22.8 | 03 55.19 | +05 06.3 | 19.0 | -0.86 | - 0.8 | 5.0/20.6  | 15701 |
| 1978 NK               | 96 11 23.0 | 03 55.66 | +21 51.5 | 16.6 | -0.99 | - 4.7 | 0.6/23.3  | 21098 |
| 1981 EA <sub>4</sub>  | 96 11 23.0 | 03 55.85 | +17 58.5 | 18.9 | -1.08 | - 6.6 | 1.0/22.6  | 26915 |
| 1981 ET <sub>40</sub> | 96 11 23.0 | 03 55.90 | +24 52.7 | 20.1 | -1.01 | - 3.2 | 1.6/23.8  | 26922 |
| 1325 T-2              | 96 11 23.0 | 03 55.98 | +26 17.7 | 17.4 | -1.04 | - 1.4 | 2.2/24.0  | 25540 |
| 1994 BY               | 96 11 23.1 | 03 56.25 | +24 36.1 | 16.3 | -1.23 | - 0.5 | 1.9/23.7  | 28074 |
| 1987 YH               | 96 11 23.2 | 03 56.86 | +05 32.6 | 15.8 | -0.87 | - 2.6 | 6.4/20.7  | 25537 |
| 7643 P-L              | 96 11 23.3 | 03 56.93 | +11 35.2 | 16.8 | -1.06 | - 3.1 | 4.3/21.9  | 22274 |
| 1996 RG <sub>1</sub>  | 96 11 23.3 | 03 56.97 | +30 22.3 | 16.0 | -1.23 | - 0.5 | 5.2/25.0  | 28079 |
| 1995 HL               | 96 11 23.3 | 03 57.21 | +22 36.8 | 16.5 | -1.21 | + 0.4 | 0.8/23.6  | 25341 |
| 1038 T-2              | 96 11 23.4 | 03 57.49 | +18 45.4 | 18.7 | -1.06 | - 4.3 | 0.9/23.2  | 16242 |
| 1988 BH               | 96 11 23.4 | 03 57.60 | +29 18.7 | 15.8 | -1.00 | - 4.5 | 3.4/25.0  | 25339 |
| 1992 OO               | 96 11 23.8 | 03 58.97 | -19 53.5 | 16.5 | -1.12 | + 5.1 | 16.0/21.6 | 25441 |
| 1994 EH <sub>7</sub>  | 96 11 23.9 | 03 59.47 | +36 24.9 | 17.7 | -1.18 | - 0.7 | 5.2/26.3  | 24112 |
| 1991 RH <sub>7</sub>  | 96 11 24.0 | 04 00.19 | +21 57.1 | 17.8 | -0.93 | - 4.4 | 0.4/24.3  | 22084 |
| 1995 OV               | 96 11 24.1 | 04 00.50 | +31 47.7 | 17.5 | -1.06 | - 2.4 | 3.4/26.0  | 26192 |
| 1991 CX               | 96 11 24.2 | 04 00.69 | +19 24.1 | 16.4 | -1.13 | - 4.7 | 0.5/24.0  | 27728 |
| 1983 RL <sub>4</sub>  | 96 11 24.2 | 04 00.88 | -11 44.4 | 16.6 | -0.81 | - 2.6 | 14.9/18.6 | 18424 |
| 3109 P-L              | 96 11 24.3 | 04 01.42 | +32 40.4 | 18.2 | -0.98 | - 4.7 | 3.9/26.7  | 14628 |
| 1992 BB <sub>5</sub>  | 96 11 24.4 | 04 01.57 | +13 17.1 | 15.3 | -0.87 | - 0.0 | 2.8/23.4  | 21266 |
| 1070 T-2              | 96 11 24.4 | 04 01.66 | +12 57.1 | 18.9 | -1.01 | - 4.1 | 2.8/23.2  | 22274 |

|                       |            |          |          |      |       |       |           |       |                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1987 ON               | 96 11 24.4 | 04 01.78 | -01 19.5 | 16.9 | -0.93 | - 2.3 | 7.9/21.2  | 25424 | 1995 ST <sub>54</sub> | 96 11 28.5 | 04 19.19 | +36 07.2 | 17.4 | -1.12 | - 3.7 | 5.1/30.8  | 26568 |
| 1981 ES <sub>27</sub> | 96 11 24.5 | 04 02.17 | +31 06.6 | 20.2 | -1.28 | - 1.5 | 4.1/26.0  | 23132 | 1989 TY <sub>4</sub>  | 96 11 28.5 | 04 19.37 | +11 37.4 | 18.8 | -1.10 | - 2.8 | 3.8/27.3  | 25537 |
| 1982 SM <sub>2</sub>  | 96 11 24.7 | 04 02.86 | +30 39.7 | 17.3 | -1.25 | - 2.8 | 4.5/26.3  | 25327 | 1988 RD <sub>6</sub>  | 96 11 28.5 | 04 19.39 | +22 35.4 | 16.1 | -1.11 | - 1.4 | 0.5/28.7  | 23868 |
| 1981 EF <sub>26</sub> | 96 11 24.7 | 04 03.14 | +11 10.8 | 16.9 | -0.80 | - 3.1 | 3.0/23.1  | 25972 | 1981 ER <sub>11</sub> | 96 11 28.7 | 04 19.92 | +24 09.2 | 19.2 | -1.03 | - 3.1 | 1.0/29.1  | 22429 |
| 1976 GA <sub>2</sub>  | 96 11 24.7 | 04 03.26 | +17 03.2 | 17.7 | -1.08 | - 3.2 | 1.4/24.2  | 25536 | 1996 OO <sub>2</sub>  | 96 11 28.7 | 04 19.99 | +36 35.3 | 16.5 | -1.00 | - 2.8 | 5.2/01.1  | 28088 |
| 6602 P-L              | 96 11 24.8 | 04 03.64 | +31 17.0 | 18.4 | -1.28 | - 0.4 | 5.2/26.3  | 22701 | 1990 SX <sub>16</sub> | 96 11 28.8 | 04 20.63 | +34 38.8 | 17.1 | -1.07 | - 0.5 | 4.5/30.5  | 21974 |
| 1996 SG <sub>4</sub>  | 96 11 24.9 | 04 03.64 | +23 50.1 | 17.0 | -0.97 | - 4.5 | 1.4/25.5  | 28080 | 1981 EZ <sub>23</sub> | 96 11 29.0 | 04 21.41 | +18 48.5 | 20.1 | -0.98 | - 3.1 | 0.9/28.7  | 21967 |
| 4393 T-1              | 96 11 24.9 | 04 03.69 | +18 37.0 | 18.2 | -0.85 | - 1.9 | 0.6/24.6  | 26193 | 1981 EE <sub>42</sub> | 96 11 29.1 | 04 21.77 | +01 24.8 | 18.6 | -0.78 | - 3.1 | 6.8/26.0  | 26922 |
| 3088 T-2              | 96 11 24.9 | 04 03.81 | +20 32.9 | 19.0 | -1.00 | - 1.4 | 9.2/15.0  | 15083 | 1986 CS <sub>1</sub>  | 96 11 29.1 | 04 21.77 | +15 50.7 | 17.2 | -1.01 | - 2.9 | 2.6/28.4  | 22430 |
| 1978 UL <sub>6</sub>  | 96 11 25.0 | 04 04.32 | +20 34.6 | 17.6 | -1.04 | - 4.2 | 0.1/25.0  | 21560 | 1981 DE <sub>3</sub>  | 96 11 29.4 | 04 23.17 | +38 43.0 | 18.8 | -1.19 | - 3.1 | 6.1/01.9  | 26914 |
| 1981 UK <sub>22</sub> | 96 11 25.3 | 04 05.62 | +08 56.2 | 16.5 | -0.99 | - 7.4 | 5.2/23.1  | 27931 | 1992 CU <sub>2</sub>  | 96 11 29.4 | 04 23.17 | +27 31.1 | 17.7 | -0.90 | - 4.2 | 1.9/30.4  | 25639 |
| 1990 BV               | 96 11 25.4 | 04 05.76 | +06 42.9 | 14.5 | -1.03 | + 5.9 | 7.5/24.6  | 27728 | 1978 VN <sub>3</sub>  | 96 11 29.4 | 04 23.20 | +19 05.9 | 18.9 | -0.95 | - 3.9 | 1.0/29.1  | 19856 |
| 1991 NF <sub>3</sub>  | 96 11 25.4 | 04 06.09 | +31 02.9 | 16.1 | -1.03 | - 9.0 | 4.3/27.8  | 21794 | 1989 SB               | 96 11 29.5 | 04 23.44 | +27 10.2 | 16.6 | -1.27 | - 2.8 | 2.4/30.3  | 27933 |
| 1983 QG               | 96 11 25.4 | 04 06.15 | +11 45.9 | 15.5 | -1.19 | + 8.2 | 4.5/25.3  | 21969 | 1994 EA <sub>2</sub>  | 96 11 29.6 | 04 23.86 | +07 04.3 | 17.4 | -1.12 | - 6.8 | 7.1/27.0  | 26174 |
| 1981 EU <sub>39</sub> | 96 11 25.5 | 04 06.53 | +35 28.4 | 18.8 | -1.17 | - 0.6 | 5.7/27.6  | 26922 | 1995 ON               | 96 11 29.6 | 04 23.92 | +11 24.7 | 17.5 | -1.08 | - 1.3 | 3.8/28.5  | 28087 |
| 1978 RX <sub>7</sub>  | 96 11 25.7 | 04 07.01 | +29 19.4 | 18.5 | -1.04 | - 2.9 | 2.6/27.0  | 22270 | (6580)                | 96 11 29.7 | 04 24.16 | +20 49.9 | 18.8 | -0.99 | - 2.6 | 0.3/29.6  | 25718 |
| (6478)                | 96 11 25.7 | 04 07.24 | -09 22.3 | 18.2 | -0.98 | - 5.2 | 10.4/20.1 | 25415 | 1973 SB <sub>6</sub>  | 96 11 29.7 | 04 24.17 | +18 23.3 | 16.7 | -1.07 | - 2.0 | 1.5/29.3  | 25338 |
| 1991 GW <sub>8</sub>  | 96 11 25.7 | 04 07.33 | +22 52.0 | 20.2 | -1.11 | - 3.1 | 0.7/26.1  | 25081 | 1994 CA <sub>17</sub> | 96 11 29.7 | 04 24.39 | +19 02.5 | 18.0 | -1.11 | - 1.4 | 1.1/29.5  | 24112 |
| (6470)                | 96 11 25.9 | 04 08.02 | +20 23.2 | 16.0 | -1.05 | - 5.0 | 0.3/25.8  | 25413 | 1990 BS               | 96 11 29.8 | 04 24.92 | +22 48.7 | 14.4 | -1.07 | + 0.4 | 0.6/30.0  | 24738 |
| (7245)                | 96 11 25.9 | 04 08.29 | +29 13.3 | 16.1 | -1.05 | - 1.5 | 3.1/27.2  | 28065 | 1989 TY <sub>10</sub> | 96 11 29.8 | 04 24.97 | +13 43.6 | 16.5 | -1.01 | - 4.6 | 4.1/28.7  | 28085 |
| (6494)                | 96 11 26.0 | 04 08.31 | +14 55.5 | 16.0 | -1.11 | - 1.3 | 2.8/25.2  | 25420 | 1990 KC <sub>1</sub>  | 96 11 29.9 | 04 25.21 | +04 59.9 | 17.1 | -1.02 | + 1.6 | 6.2/28.4  | 23684 |
| 1017 T-3              | 96 11 26.0 | 04 08.35 | +28 37.1 | 17.0 | -1.00 | - 4.5 | 2.5/27.4  | 25735 | 1994 AM <sub>3</sub>  | 96 11 30.1 | 04 26.07 | +32 54.2 | 16.2 | -1.31 | - 0.9 | 4.9/01.3  | 23529 |
| 1981 EF <sub>14</sub> | 96 11 26.0 | 04 08.65 | +22 37.9 | 18.6 | -1.14 | - 4.0 | 0.6/26.3  | 25078 | 1152 T-2              | 96 11 30.1 | 04 26.10 | +28 04.2 | 18.1 | -1.16 | - 1.6 | 2.3/30.9  | 21808 |
| 1991 JY <sub>1</sub>  | 96 11 26.1 | 04 08.75 | +00 04.9 | 15.9 | -0.97 | -10.4 | 7.9/21.6  | 27728 | 1981 EV <sub>4</sub>  | 96 11 30.2 | 04 26.55 | +27 42.1 | 20.0 | -1.21 | - 4.1 | 2.4/01.1  | 26915 |
| 1989 TF <sub>4</sub>  | 96 11 26.2 | 04 09.21 | +11 48.0 | 18.2 | -1.09 | - 3.3 | 3.6/24.8  | 22081 | 1993 FT <sub>4</sub>  | 96 11 30.3 | 04 26.75 | +18 40.5 | 17.0 | -0.83 | - 1.6 | 0.8/29.9  | 25975 |
| 1994 AR <sub>2</sub>  | 96 11 26.2 | 04 09.35 | +21 11.4 | 16.6 | -1.09 | - 2.6 | 0.1/26.3  | 23242 | 1052 T-2              | 96 11 30.4 | 04 27.36 | +22 39.4 | 19.3 | -0.87 | - 1.8 | 0.3/30.6  | 25970 |
| 1995 SR <sub>1</sub>  | 96 11 26.4 | 04 10.19 | +53 53.8 | 16.8 | -1.26 | - 3.7 | 8.9/03.0  | 25965 | 4074 T-3              | 96 11 30.5 | 04 27.56 | +19 09.3 | 18.0 | -1.10 | - 1.2 | 1.0/30.2  | 22088 |
| 1994 LA <sub>1</sub>  | 96 11 26.4 | 04 10.22 | -13 21.4 | 20.0 | -0.76 | - 0.6 | 8.1/21.3  | 25962 | 3526 T-3              | 96 11 30.5 | 04 27.77 | +24 53.7 | 19.7 | -1.13 | - 2.1 | 1.1/30.9  | 27939 |
| 1198 T-1              | 96 11 26.4 | 04 10.41 | +26 46.0 | 17.9 | -0.92 | - 2.7 | 1.8/27.4  | 19878 | 4166 T-1              | 96 11 30.6 | 04 28.02 | +33 37.1 | 18.7 | -1.00 | - 0.3 | 3.6/02.0  | 25436 |
| 1978 RL <sub>1</sub>  | 96 11 26.5 | 04 10.61 | +18 21.9 | 17.1 | -0.85 | - 2.2 | 0.9/26.1  | 21964 | 1981 DF               | 96 11 30.6 | 04 28.20 | +40 57.0 | 16.8 | -1.06 | - 2.1 | 6.2/03.3  | 19857 |
| 1981 EW <sub>2</sub>  | 96 11 26.5 | 04 10.62 | +40 14.8 | 18.8 | -1.17 | - 3.4 | 6.2/29.8  | 25972 | 1981 EA <sub>7</sub>  | 96 11 30.6 | 04 28.40 | +26 20.0 | 16.6 | -1.16 | - 6.8 | 2.2/01.4  | 23682 |
| (6430)                | 96 11 26.5 | 04 10.92 | +25 42.5 | 16.6 | -1.23 | - 4.1 | 1.9/27.3  | 25317 | 1992 QC               | 96 11 30.7 | 04 28.69 | +49 19.5 | 18.0 | -1.93 | + 4.1 | 11.8/03.4 | 25215 |
| 1981 JE <sub>3</sub>  | 96 11 26.6 | 04 11.04 | +19 39.1 | 18.1 | -0.96 | - 2.8 | 0.5/26.4  | 21968 | 1988 NY               | 96 11 30.7 | 04 28.80 | -05 29.0 | 19.5 | -1.11 | + 3.9 | 9.7/29.4  | 25648 |
| 1988 SY <sub>1</sub>  | 96 11 26.6 | 04 11.23 | +24 18.4 | 17.2 | -1.16 | - 0.1 | 1.2/27.0  | 25648 | (6623)                | 96 11 30.9 | 04 29.44 | +20 33.4 | 17.9 | -1.05 | - 3.9 | 0.5/30.8  | 25940 |
| 1992 SC <sub>24</sub> | 96 11 27.0 | 04 12.83 | +19 34.9 | 15.5 | -1.01 | - 6.7 | 0.7/26.8  | 27729 | (6435)                | 96 11 30.9 | 04 29.55 | -23 11.8 | 17.1 | -1.13 | - 1.4 | 21.0/22.8 | 25318 |
| 1981 EM <sub>9</sub>  | 96 11 27.0 | 04 12.95 | +24 46.1 | 19.7 | -1.16 | - 4.6 | 1.4/27.6  | 26916 | 3297 T-1              | 96 12 01.0 | 04 29.81 | +19 03.0 | 18.0 | -0.85 | - 2.0 | 0.8/30.7  | 21124 |
| 1981 ET <sub>39</sub> | 96 11 27.4 | 04 14.65 | +27 58.5 | 18.7 | -0.92 | - 2.2 | 2.4/28.5  | 26922 | 1990 VL <sub>8</sub>  | 96 12 01.0 | 04 30.06 | +19 08.9 | 17.1 | -0.88 | - 1.3 | 0.9/30.8  | 18299 |
| 1981 UK <sub>11</sub> | 96 11 27.5 | 04 14.73 | +15 41.3 | 16.9 | -1.07 | - 1.9 | 2.5/26.8  | 26166 | 1287 T-1              | 96 12 01.0 | 04 30.08 | +20 07.4 | 18.1 | -1.14 | - 3.2 | 0.7/30.9  | 25085 |
| (6590)                | 96 11 27.6 | 04 15.30 | +33 17.4 | 15.5 | -0.98 | - 3.9 | 4.2/29.7  | 25721 | 1981 EU <sub>38</sub> | 96 12 01.0 | 04 30.23 | +18 10.1 | 17.7 | -1.12 | - 3.3 | 1.4/30.6  | 27304 |
| 1991 FV <sub>2</sub>  | 96 11 27.6 | 04 15.43 | +26 52.4 | 17.4 | -1.17 | - 1.7 | 2.0/28.4  | 25080 | 1981 EV <sub>47</sub> | 96 12 01.2 | 04 30.71 | +04 49.6 | 19.5 | -0.90 | - 2.7 | 5.3/29.0  | 26923 |
| 1079 T-2              | 96 11 27.7 | 04 15.59 | +23 47.8 | 17.3 | -1.01 | - 2.2 | 0.9/28.1  | 24409 | 1993 HG               | 96 12 01.3 | 04 31.42 | +22 46.4 | 18.4 | -0.86 | - 1.6 | 0.2/01.5  | 23676 |
| 1994 EO <sub>1</sub>  | 96 11 27.7 | 04 15.59 | +31 37.3 | 16.2 | -1.30 | + 1.5 | 4.3/28.6  | 23345 | 1993 AB               | 96 12 01.3 | 04 31.48 | +19 08.7 | 15.5 | -1.08 | + 4.1 | 1.3/01.2  | 28086 |
| 6584 P-L              | 96 11 28.0 | 04 16.89 | +24 32.0 | 17.4 | -1.02 | - 1.5 | 1.1/28.4  | 23986 | 1981 ES <sub>15</sub> | 96 12 01.4 | 04 31.50 | +36 46.0 | 20.3 | -1.12 | - 1.9 | 4.4/03.3  | 26918 |
| 1989 AW <sub>5</sub>  | 96 11 28.0 | 04 16.94 | +18 36.9 | 16.9 | -1.01 | - 1.1 | 1.1/27.7  | 22226 | 3243 T-1              | 96 12 01.7 | 04 32.97 | +28 50.3 | 18.4 | -1.25 | - 2.0 | 3.1/02.5  | 26415 |
| 1019 T-1              | 96 11 28.0 | 04 17.16 | +22 00.5 | 16.4 | -0.95 | - 5.1 | 0.3/28.2  | 24403 | 4314 T-2              | 96 12 01.7 | 04 33.16 | +18 43.9 | 16.3 | -1.04 | + 0.4 | 1.6/01.5  | 22432 |
| 1993 BM               | 96 11 28.1 | 04 17.23 | +34 32.9 | 16.6 | -1.08 | - 2.7 | 4.7/30.0  | 22238 | 1981 EH <sub>19</sub> | 96 12 01.9 | 04 33.75 | +27 28.6 | 17.2 | -1.23 | - 1.7 | 2.3/02.5  | 23347 |
| 1995 OG               | 96 11 28.2 | 04 17.76 | +35 46.1 | 18.4 | -1.03 | - 3.7 | 5.0/30.6  | 25963 | 1109 T-2              | 96 12 02.0 | 04 34.06 | +25 27.7 | 19.2 | -1.12 | - 2.3 | 1.2/02.4  | 27927 |
| 2275 T-2              | 96 11 28.3 | 04 18.59 | +16 58.4 | 17.2 | -0.89 | - 2.6 | 1.5/27.8  | 25970 | 1989 WR               | 96 12 02.0 | 04 34.29 | +31 07.5 | 16.2 | -1.30 | + 0.2 | 4.2/02.9  | 24582 |
| 1981 EJ <sub>19</sub> | 96 11 28.4 | 04 18.54 | +20 26.3 | 17.8 | -0.86 | - 2.1 | 0.3/28.3  | 22270 | 1991 GE <sub>2</sub>  | 96 12 02.1 | 04 34.78 | +10 03.3 | 16.9 | -1.08 | + 1.8 | 4.2/01.3  | 25440 |
| 1984 HM <sub>1</sub>  | 96 11 28.5 | 04 19.09 | +24 20.8 | 16.8 | -1.18 | - 1.8 | 1.2/28.9  | 27931 | 1986 RD               | 96 12 02.1 | 04 34.97 | +15 44.2 | 17.0 | -0.94 | - 3.4 | 2.1/01.4  | 25648 |
| 1982 TB <sub>2</sub>  | 96 11 28.5 | 04 19.16 | +24 00.9 | 15.4 | -1.09 | - 5.6 | 1.2/29.0  | 27931 | 1981 ES <sub>35</sub> | 96 12 02.2 | 04 34.93 | +36 29.7 | 17.0 | -1.01 | - 0.6 | 4.5/03.8  | 22271 |

|                       |            |          |          |      |       |       |           |       |                       |            |          |          |      |       |       |           |       |
|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|-----------------------|------------|----------|----------|------|-------|-------|-----------|-------|
| 1148 T-3              | 96 12 02.3 | 04 35.74 | +25 55.5 | 16.6 | -1.03 | - 4.7 | 1.5/02.9  | 27124 | 1981 EW <sub>7</sub>  | 96 12 06.8 | 04 54.99 | +07 21.8 | 19.2 | -0.93 | - 3.1 | 5.0/05.2  | 26916 |
| 1981 EH <sub>30</sub> | 96 12 02.4 | 04 35.92 | +10 06.6 | 20.1 | -0.82 | - 2.4 | 3.6/30.9  | 26920 | 1981 EK <sub>27</sub> | 96 12 06.8 | 04 55.45 | +32 57.6 | 17.1 | -1.26 | - 1.2 | 4.9/07.8  | 26920 |
| 1992 WM <sub>5</sub>  | 96 12 02.5 | 04 36.51 | +17 16.7 | 15.5 | -1.08 | + 2.3 | 2.1/02.2  | 28086 | 1981 EE <sub>18</sub> | 96 12 06.9 | 04 55.38 | +30 05.5 | 18.5 | -0.97 | - 0.9 | 2.8/07.5  | 21967 |
| (6628)                | 96 12 02.5 | 04 36.60 | +18 11.8 | 16.3 | -0.93 | - 1.3 | 1.4/02.2  | 25941 | 5016 T-3              | 96 12 06.9 | 04 55.82 | +08 57.2 | 17.6 | -0.93 | - 0.3 | 4.6/05.9  | 21978 |
| 1981 ET <sub>47</sub> | 96 12 02.5 | 04 36.63 | +30 19.3 | 17.5 | -1.12 | - 1.6 | 3.2/03.5  | 18807 | 1988 RX <sub>4</sub>  | 96 12 07.0 | 04 55.85 | +19 33.1 | 16.5 | -1.14 | + 0.1 | 1.3/06.8  | 28085 |
| 1994 JK <sub>9</sub>  | 96 12 02.6 | 04 36.83 | +18 41.7 | 17.0 | -1.08 | + 2.2 | 1.1/02.4  | 25532 | 1995 OU               | 96 12 07.0 | 04 55.95 | +30 44.9 | 18.1 | -1.13 | - 1.3 | 2.7/07.7  | 26192 |
| 1992 RG <sub>4</sub>  | 96 12 02.7 | 04 37.12 | +09 01.2 | 18.4 | -1.04 | - 1.6 | 6.0/01.4  | 25650 | (6510)                | 96 12 07.3 | 04 57.37 | -11 33.5 | 17.1 | -0.99 | - 0.6 | 11.0/04.4 | 25520 |
| (6668)                | 96 12 02.8 | 04 37.56 | +33 46.8 | 16.6 | -1.07 | - 1.5 | 3.6/04.1  | 25950 | 1995 PC               | 96 12 07.4 | 04 57.70 | +22 57.0 | 19.0 | -0.93 | - 1.3 | 0.1/07.5  | 25731 |
| 1981 EF <sub>19</sub> | 96 12 02.8 | 04 37.63 | +27 51.6 | 17.3 | -1.01 | - 2.5 | 2.8/03.5  | 22429 | 1991 NL               | 96 12 07.4 | 04 58.02 | +24 27.7 | 16.5 | -1.10 | - 6.7 | 0.6/07.7  | 19309 |
| 1981 EK <sub>3</sub>  | 96 12 02.8 | 04 37.75 | +20 34.0 | 19.3 | -0.99 | - 3.7 | 0.5/02.7  | 26915 | 3297 T-2              | 96 12 07.5 | 04 58.09 | +26 48.1 | 17.4 | -1.17 | - 0.3 | 1.5/07.8  | 27732 |
| 1990 RE <sub>7</sub>  | 96 12 02.8 | 04 37.89 | +38 09.5 | 16.8 | -1.09 | - 0.5 | 5.8/04.6  | 23537 | 1986 GD               | 96 12 07.5 | 04 58.52 | +29 20.4 | 16.7 | -1.22 | + 1.9 | 2.8/07.9  | 22271 |
| 2636 P-L              | 96 12 03.1 | 04 39.22 | +17 42.2 | 18.2 | -1.09 | - 2.2 | 1.6/02.7  | 27938 | 1989 WK <sub>4</sub>  | 96 12 07.6 | 04 58.93 | +17 43.1 | 16.9 | -1.15 | + 0.7 | 2.2/07.4  | 23684 |
| 1981 DZ <sub>1</sub>  | 96 12 03.2 | 04 39.39 | -00 05.3 | 18.2 | -0.79 | - 5.5 | 6.7/29.5  | 21966 | 1989 SZ <sub>1</sub>  | 96 12 07.7 | 04 59.31 | +15 54.6 | 17.8 | -1.15 | - 1.5 | 2.6/07.3  | 24760 |
| 1981 EX <sub>29</sub> | 96 12 03.3 | 04 39.97 | +38 44.5 | 19.0 | -1.15 | - 3.5 | 5.1/05.6  | 26920 | 1981 ET <sub>29</sub> | 96 12 07.8 | 04 59.65 | +19 22.1 | 18.7 | -0.86 | - 2.4 | 1.1/07.5  | 22271 |
| 6030 P-L              | 96 12 03.4 | 04 40.29 | +17 53.4 | 17.5 | -0.76 | - 1.7 | 1.2/02.9  | 24764 | 1988 PK               | 96 12 07.9 | 05 00.23 | +15 37.4 | 17.3 | -1.11 | - 1.2 | 3.0/07.5  | 27932 |
| 1991 RA <sub>16</sub> | 96 12 03.7 | 04 41.49 | +16 28.5 | 15.8 | -0.99 | - 0.3 | 2.4/03.2  | 28086 | 1990 HH <sub>1</sub>  | 96 12 08.0 | 05 00.20 | +04 03.6 | 17.6 | -0.91 | - 0.9 | 5.8/06.6  | 26189 |
| 2040 P-L              | 96 12 03.7 | 04 41.54 | +31 03.8 | 18.8 | -1.35 | - 2.0 | 4.2/05.0  | 22700 | 1993 HV <sub>1</sub>  | 96 12 08.0 | 05 00.67 | +48 13.2 | 19.8 | -1.26 | + 2.4 | 6.9/09.4  | 26191 |
| 1988 VE <sub>7</sub>  | 96 12 03.8 | 04 42.10 | +09 50.1 | 16.0 | -0.93 | + 0.5 | 6.1/02.8  | 28085 | 1990 MC               | 96 12 08.1 | 05 00.75 | +05 33.7 | 17.7 | -0.89 | - 2.3 | 5.2/06.7  | 26189 |
| 3067 T-2              | 96 12 03.9 | 04 42.72 | +18 47.5 | 17.0 | -1.18 | - 1.7 | 1.5/03.6  | 23792 | 1982 BS <sub>1</sub>  | 96 12 08.3 | 05 01.50 | +09 46.8 | 15.8 | -0.99 | - 0.1 | 6.1/07.4  | 27931 |
| 2202 T-1              | 96 12 04.0 | 04 42.94 | +16 44.9 | 19.6 | -0.81 | - 1.5 | 1.3/03.4  | 26192 | 1990 WL               | 96 12 08.4 | 05 02.08 | +09 48.4 | 15.8 | -0.85 | + 0.5 | 4.6/07.7  | 21975 |
| (6653)                | 96 12 04.2 | 04 43.66 | +24 20.4 | 16.3 | -0.97 | - 1.2 | 0.8/04.4  | 25947 | 1981 ED <sub>40</sub> | 96 12 08.4 | 05 02.18 | +04 20.4 | 17.6 | -0.81 | - 2.5 | 7.5/06.5  | 25647 |
| 1990 OE <sub>5</sub>  | 96 12 04.2 | 04 43.73 | +21 01.1 | 17.9 | -0.94 | - 3.4 | 0.4/04.1  | 21574 | 1995 KA <sub>1</sub>  | 96 12 08.5 | 05 02.44 | -05 58.5 | 18.6 | -1.00 | - 2.5 | 10.0/06.1 | 25735 |
| 1995 KZ               | 96 12 04.3 | 04 44.02 | -13 43.9 | 18.6 | -1.05 | + 2.6 | 12.8/02.7 | 25434 | 1986 XJ <sub>5</sub>  | 96 12 08.5 | 05 02.78 | +17 52.0 | 16.4 | -1.14 | - 4.5 | 2.2/08.1  | 27932 |
| 1974 OE               | 96 12 04.3 | 04 44.11 | +32 15.7 | 17.3 | -1.27 | - 0.6 | 3.9/05.2  | 27929 | 1979 SR <sub>2</sub>  | 96 12 08.6 | 05 02.83 | +27 08.3 | 16.3 | -0.97 | - 2.0 | 1.7/09.0  | 28084 |
| 1981 EV <sub>15</sub> | 96 12 04.3 | 04 44.27 | +38 46.0 | 18.8 | -1.20 | - 1.4 | 5.9/06.0  | 26918 | 1992 PJ               | 96 12 08.6 | 05 03.02 | +23 58.1 | 18.1 | -1.22 | - 3.0 | 0.5/08.7  | 21584 |
| 1993 FK <sub>81</sub> | 96 12 04.4 | 04 44.74 | +07 53.8 | 17.2 | -0.83 | - 2.0 | 4.5/02.8  | 27916 | 1978 VF <sub>6</sub>  | 96 12 08.7 | 05 03.38 | +22 36.2 | 18.3 | -1.13 | - 4.4 | 0.1/08.7  | 16422 |
| 1981 EV <sub>23</sub> | 96 12 04.7 | 04 45.98 | +34 41.7 | 17.7 | -1.16 | - 0.4 | 5.4/05.8  | 26919 | 1981 EQ <sub>32</sub> | 96 12 08.8 | 05 03.73 | +17 19.6 | 18.0 | -1.04 | - 3.5 | 2.0/08.3  | 27304 |
| 1987 DW <sub>6</sub>  | 96 12 04.7 | 04 46.15 | +24 04.0 | 17.2 | -0.89 | - 1.3 | 0.5/05.0  | 27727 | 1981 EX <sub>24</sub> | 96 12 08.8 | 05 03.84 | +20 58.5 | 17.1 | -0.89 | - 1.0 | 0.6/08.7  | 25647 |
| 1992 UH <sub>2</sub>  | 96 12 04.9 | 04 46.73 | +17 16.3 | 16.3 | -1.02 | - 4.8 | 2.3/04.3  | 25441 | (6622)                | 96 12 08.8 | 05 03.89 | +20 22.0 | 17.1 | -0.90 | - 1.0 | 0.8/08.7  | 25939 |
| (6240)                | 96 12 04.9 | 04 46.87 | +15 51.9 | 16.1 | -1.15 | - 0.3 | 2.9/04.4  | 24728 | 1981 UQ <sub>11</sub> | 96 12 08.8 | 05 04.20 | +22 41.6 | 15.6 | -1.11 | + 1.1 | 0.1/08.9  | 22968 |
| 1995 OY <sub>3</sub>  | 96 12 04.9 | 04 46.87 | +20 43.4 | 21.0 | -0.91 | - 1.5 | 0.5/05.0  | 25645 | 1981 EV <sub>38</sub> | 96 12 08.9 | 05 04.53 | +27 56.4 | 19.2 | -0.90 | - 1.5 | 1.5/09.4  | 26922 |
| 1991 TF <sub>7</sub>  | 96 12 05.1 | 04 47.69 | +12 11.9 | 16.2 | -1.00 | - 5.5 | 3.8/03.7  | 27104 | 1981 EO <sub>40</sub> | 96 12 09.0 | 05 04.73 | +00 27.0 | 18.0 | -0.93 | - 1.2 | 7.9/07.5  | 25647 |
| (6606)                | 96 12 05.1 | 04 47.84 | +17 24.3 | 17.0 | -0.87 | - 2.3 | 1.5/04.6  | 25724 | 2280 T-2              | 96 12 09.1 | 05 05.11 | +17 09.0 | 16.8 | -1.16 | - 1.9 | 2.6/08.7  | 27939 |
| 1986 QS               | 96 12 05.1 | 04 47.84 | +37 16.0 | 15.6 | -1.12 | - 1.4 | 6.1/06.7  | 27119 | 1985 VG               | 96 12 09.2 | 05 05.65 | +20 46.7 | 16.0 | -1.13 | + 0.6 | 0.9/09.1  | 23868 |
| 1993 FE <sub>31</sub> | 96 12 05.2 | 04 48.00 | -06 05.4 | 16.7 | -0.76 | - 2.5 | 7.9/01.7  | 25731 | 3076 T-2              | 96 12 09.3 | 05 06.23 | +22 59.9 | 16.3 | -0.92 | - 0.5 | 0.0/09.4  | 22701 |
| 1992 VR               | 96 12 05.2 | 04 48.17 | +19 15.9 | 16.6 | -1.03 | - 2.0 | 1.4/04.9  | 27730 | 1981 EU <sub>27</sub> | 96 12 09.4 | 05 06.60 | +13 26.1 | 20.4 | -1.09 | - 1.5 | 3.3/08.8  | 26920 |
| 1994 CZ <sub>1</sub>  | 96 12 05.2 | 04 48.32 | +18 03.5 | 16.3 | -1.12 | - 3.5 | 1.9/04.8  | 23539 | 1992 PV <sub>1</sub>  | 96 12 09.5 | 05 06.92 | +15 27.9 | 17.4 | -1.15 | - 0.6 | 3.1/09.1  | 23239 |
| 1981 EE <sub>7</sub>  | 96 12 05.3 | 04 48.44 | +30 37.2 | 20.1 | -1.23 | - 3.1 | 3.0/06.2  | 26916 | 1230 T-1              | 96 12 09.6 | 05 07.28 | +26 17.6 | 19.2 | -1.21 | - 1.8 | 1.3/09.9  | 25076 |
| 1991 NS <sub>2</sub>  | 96 12 05.5 | 04 49.30 | +11 41.5 | 17.6 | -0.97 | - 2.4 | 3.6/04.4  | 25734 | 1982 FK <sub>3</sub>  | 96 12 09.6 | 05 07.29 | +14 52.7 | 15.6 | -1.02 | - 2.8 | 3.8/08.9  | 25537 |
| 1994 JG               | 96 12 05.5 | 04 49.32 | +10 27.3 | 17.2 | -0.86 | - 2.8 | 3.9/04.2  | 26191 | 1972 HL               | 96 12 09.6 | 05 07.47 | +07 15.6 | 18.1 | -0.79 | - 2.8 | 3.9/08.2  | 23787 |
| 1994 FS               | 96 12 05.6 | 04 49.86 | +20 19.5 | 17.8 | -1.06 | - 2.2 | 0.7/05.4  | 26191 | 1991 RJ               | 96 12 09.6 | 05 07.59 | +42 36.5 | 17.2 | -1.27 | - 2.2 | 6.7/11.5  | 27120 |
| (6730)                | 96 12 05.7 | 04 50.18 | -02 37.0 | 16.6 | -0.84 | + 0.4 | 7.8/03.4  | 26159 | 1982 SA <sub>4</sub>  | 96 12 09.7 | 05 07.63 | +28 58.8 | 16.2 | -1.29 | 0.0   | 2.6/10.1  | 28084 |
| 1992 UR               | 96 12 05.8 | 04 50.79 | +38 07.0 | 16.3 | -1.43 | + 3.8 | 6.7/06.6  | 21588 | 1974 WB               | 96 12 09.8 | 05 08.24 | +24 06.5 | 17.1 | -1.01 | - 9.1 | 0.5/10.0  | 6949  |
| 1989 SD <sub>3</sub>  | 96 12 05.9 | 04 51.50 | +27 46.8 | 17.1 | -1.23 | + 1.0 | 2.6/06.3  | 24582 | 1978 RA <sub>8</sub>  | 96 12 09.9 | 05 08.80 | +20 40.0 | 18.3 | -0.89 | - 0.9 | 0.8/09.8  | 25728 |
| 1981 EU <sub>11</sub> | 96 12 06.1 | 04 51.94 | +39 02.2 | 19.9 | -1.18 | - 1.7 | 5.3/07.8  | 26917 | 1990 QK <sub>7</sub>  | 96 12 09.9 | 05 08.86 | +06 49.0 | 16.3 | -0.87 | - 0.2 | 5.8/09.0  | 23515 |
| 1992 RK <sub>2</sub>  | 96 12 06.1 | 04 51.96 | +24 13.8 | 16.5 | -1.09 | - 2.9 | 0.9/06.3  | 23340 | (6521)                | 96 12 10.0 | 05 09.00 | +12 05.2 | 17.8 | -1.01 | - 3.0 | 3.6/09.1  | 25522 |
| 1990 TD <sub>8</sub>  | 96 12 06.1 | 04 52.08 | +21 25.2 | 15.5 | -0.91 | - 1.4 | 0.4/06.0  | 24229 | 3308 T-1              | 96 12 10.0 | 05 09.29 | +20 57.8 | 18.3 | -0.86 | - 1.1 | 0.6/09.9  | 26193 |
| 1981 EV <sub>29</sub> | 96 12 06.1 | 04 52.31 | +09 34.1 | 19.8 | -0.93 | - 4.0 | 4.2/04.6  | 23535 | 1981 ET <sub>34</sub> | 96 12 10.0 | 05 09.31 | +09 44.8 | 18.5 | -1.01 | - 4.1 | 5.1/08.9  | 27909 |
| 1993 FQ <sub>10</sub> | 96 12 06.3 | 04 53.11 | +35 55.0 | 16.2 | -1.09 | + 0.9 | 4.9/07.3  | 23522 | 1993 FB <sub>23</sub> | 96 12 10.0 | 05 09.32 | +16 31.9 | 18.4 | -0.82 | - 1.8 | 1.8/09.6  | 26191 |
| 1992 YU <sub>2</sub>  | 96 12 06.4 | 04 53.65 | +18 48.7 | 15.3 | -0.88 | - 4.7 | 1.9/06.0  | 21801 | 1977 DL <sub>4</sub>  | 96 12 10.0 | 05 09.46 | +29 41.1 | 18.4 | -1.13 | - 1.0 | 2.3/10.5  | 27908 |
| 1978 SM <sub>5</sub>  | 96 12 06.5 | 04 53.66 | +25 09.2 | 16.6 | -1.04 | - 0.4 | 0.9/06.7  | 27323 | 1981 ED <sub>22</sub> | 96 12 10.3 | 05 10.59 | +19 19.6 | 19.1 | -1.01 | - 1.3 | 1.3/10.1  | 25972 |