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ERRATA

<i>MPC</i>	Line	
28920	– 2	<i>Add</i> Observers T. Pauwels, E. W. Elst; Measurers T. Pauwels, J.-P. Olivier
28920	– 1	<i>For</i> PPM <i>read</i> GSC 1.2
28978	–41	<i>Add</i> D. J. Tholen, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [tholen@hale.ifa.hawaii.edu]
28978	–40	<i>Add</i> D. J. Tholen, R. J. Whiteley

NEW OBSERVATORY CODES

The following listing is a continuation to that on *MPC* 28909. The longitudes λ 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.	λ	$\rho \cos \phi'$	$\rho \sin \phi'$	
631	10.02	0.596	+0.800	Hamburg-Georgswerder
959	358.5347	0.72596	+0.68548	Ramonville Saint Agne
960	0.6108	0.63016	+0.77387	Rolvenden

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	N Obs.
(1903)	1997 02 01.00508	09 33 13.66	+15 11 51.6	<i>MPC</i> 28987	14.3 V	1	610
(1903)	1997 02 01.01935	09 33 12.97	+15 11 58.5	<i>MPC</i> 28987			610
(1903)	1997 02 01.03332	09 33 12.29	+15 12 05.4	<i>MPC</i> 28987			610

Note 1: Time changed slightly.

DELETED OBSERVATION

The following observation is to be deleted.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1982 RL ₂	1982 11 12.37708	02 59 52.55	+22 08 10.2	<i>MPC</i> 27645		675

IDENTIFICATION CHANGES

Continuation to *MPC* 28909.

Object	Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	Obs.
1978 XX ₁	* 1978 12 04.84644	03 15 28.84	+08 44 12.7	1978 WD			046
1978 XX ₁	1978 12 04.86102	03 15 28.12	+08 44 10.6	1978 WD			046
1986 RV ₁₇	* 1986 09 09.01388	01 28 35.40	+11 14 00.9	1986 TX ₅	16.5 V		095

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

- 006 Fabra Observatory, Barcelona. 0.38-m *f*/11 Mailhat astrograph. Observer J. M. Codina. Measured by N. Torras, A. Olle, O. Fors and J. Nuñez.
- 046 Kleť. 0.57-m *f*/5.2 reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec.
- 057 Belgrade. 0.14-m *f*/12 Askania astrograph + CCD. Observers Vl. Benishek, V. Protitch-Benishek and I. Graovac.
- 104 San Marcello Pistoiese. 0.40-m *f*/5 reflector + CCD. Observers L. Tesi, G. Cattani and A. Boattini. Measured by L. Tesi and G. Forti.
- 105 Sternberg Astronomical Institute, Moscow. 0.2-m *f*/15 refractor. Observers V. L. Korneev, S. V. Zhuiko and Y. V. Pakhomov. Measured by N. M. Evstigneeva.
- 107 Cavezzo. 0.40-m *f*/5.5 reflector + CCD. Observers R. Calanca, F. Manenti and M. Facchini. Measured by R. Calanca.
- 108 Montelupo. 0.30-m *f*/5.7 Schmidt-Cassegrain + CCD. Observers M. Tombelli and G. Forti.
- 118 Modra. 0.6-m *f*/5.5 reflector + CCD. Observers A. Galád, D. Kalmančok, P. Kolény, L. Koroň and A. Pravda.
- 130 Serafino Zani Observatory. 0.40-m *f*/6.5 reflector + CCD. Observers S. Foglia, M. Damiani, G. Pizzetti and M. Bignotti.
- 327 Xinglong. 0.60-m Schmidt + CCD. Observers H. J. Yan, J. Zhu, C. M. Ma, X. Zhou, X. Y. Li, Y. J. Chen, L. J. Ma, R. H. Liu and Y. K. Kim. Measured by Y. J. Chen, L. J. Ma, X. Y. Li, X. Zhou and J. Zhu.
- 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.

	Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N	Obs.
385	Nihondaira Observatory Oohira Station. 0.31-m $f/4.7$ reflector + CCD. Observer T. Urata.							
402	Dynic Astronomical Observatory. 0.60-m $f/3.7$ reflector + CCD. Observer A. Sugie.	C/1989 Q1	1989 09 23.74028	14 49 44.47	+31 14 06.1			105
472	Merlette. 0.20-m $f/10$ reflector + CCD and 0.28-m $f/10$ reflector + CCD. Observer S. Garro. Measured by J. C. Merlin.	C/1989 Q1	1989 10 13.69583	14 28 33.68	+29 16 46.9			105
		C/1989 Q1	1989 10 19.70139	14 20 40.67	+28 22 16.7			105
540	Linz. 0.3-m $f/5.2$ Schmidt-Cassegrain + CCD. Observers E. Meyer and E. Obermair.							
557	Ondřejov. 0.65-m $f/3.6$ reflector + CCD. Observers P. Pravec and L. Šarounová.	C/1995 O1	1996 05 20.11875	19 36 54.54	-15 47 12.7			006
		C/1995 O1	1996 05 25.05208	19 33 50.85	-15 21 39.6			006
		C/1995 O1	1996 05 25.08507	19 33 49.36	-15 21 32.7			006
566	Haleakala-NEAT/GEODSS. 1-m $f/2.2$ Ritchey-Chrétien + CCD. Observers E. F. Helin, S. H. Pravdo, K. J. Lawrence, S. Groom, C. Clark, R. Bamberg, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esqueibel, C. Cotton and D. Bascon.	C/1995 O1	1996 06 07.07569	19 23 12.02	-14 11 47.4			006
		C/1995 O1	1996 06 07.10347	19 23 10.37	-14 11 38.4			006
		C/1995 O1	1996 06 13.99306	19 16 03.65	-13 33 04.7			006
		C/1995 O1	1996 06 21.99375	19 06 37.41	-12 46 55.2			006
		C/1995 O1	1996 06 26.99531	19 00 10.06	-12 17 29.4			006
568	Mauna Kea. Keck II 10-m reflector + CCD. Observers K. J. Meech, O. R. Hainaut and J. Bauer. Measured by O. R. Hainaut.	C/1995 O1	1996 06 27.01684	19 00 08.34	-12 17 22.2			006
		C/1995 O1	1996 07 08.91181	18 43 34.04	-11 06 25.3			006
587	Sormano. 0.5-m reflector + CCD. Observers P. Sicoli, F. Manca, G. Ventre, E. Colzani, M. Cavagna, A. Testa and P. Chiavenna.	C/1995 O1	1996 07 08.93403	18 43 32.15	-11 06 16.4			006
		C/1995 O1	1996 07 08.95451	18 43 30.35	-11 06 09.3			006
596	Colleverde di Guidonia. 0.31-m $f/2.8$ Baker-Schmidt + CCD. Observer V. S. Casulli.	C/1995 O1	1996 07 20.95911	18 26 04.55	-09 55 17.2			006
		C/1995 O1	1996 07 20.98133	18 26 02.62	-09 55 09.6			006
605	Marl. 0.2-m $f/10$ Schmidt-Cassegrain + CCD. Observer E. Jung.	C/1995 O1	1996 08 08.04601	18 01 44.12	-08 17 05.8			006
628	Mülheim-Ruhr. 0.2-m Schmidt-Cassegrain + CCD. Observer A. Martin.	C/1995 O1	1996 08 08.05313	18 01 43.61	-08 17 03.6			006
630	Osenbach. 0.30-m $f/6$ reflector + CCD. Observers C. Demeautis and P. Buttani. Measured by C. Demeautis.	C/1995 O1	1996 08 15.94392	17 52 46.81	-07 39 23.5			472
		C/1995 O1	1996 08 15.94972	17 52 46.40	-07 39 22.8			472
658	Dominion Astrophysical Observatory. Observer D. Balam. 1.82-m Plaskett telescope + CCD.	C/1995 O1	1996 08 16.02415	17 52 41.69	-07 39 01.3			472
		C/1995 O1	1996 08 16.92617	17 51 45.56	-07 34 57.8			472
		C/1995 O1	1996 08 16.94064	17 51 44.63	-07 34 53.3			472
670	Camarillo. 0.25-m Schmidt-Cassegrain + CCD. Observer J. E. Rogers.	C/1995 O1	1996 08 16.95173	17 51 43.95	-07 34 51.2			472
675	Palomar. 1.2-m Oschin Schmidt. Observers K. M. Rykoski and J. D. Mendenhall. Measured by J. Mueller. Reduction by B. G. Marsden.	C/1995 O1	1996 08 17.90507	17 50 45.68	-07 30 35.7			472
		C/1995 O1	1996 08 17.91139	17 50 45.33	-07 30 33.8			472
691	Kitt Peak. 0.91-m Spacewatch telescope. Observer J. V. Scotti.	C/1995 O1	1996 08 17.91656	17 50 44.97	-07 30 32.5			472
696	Mt. Hopkins. 1.2-m reflector + CCD. Observers C. W. Hergenrother and W. Brown. Measured by C. W. Hergenrother and J. Luu.	C/1995 O1	1996 08 19.84792	17 48 50.97	-07 22 06.4			006
		C/1995 O1	1996 08 19.86615	17 48 49.93	-07 22 01.4			006
809	European Southern Observatory. 1.0-m Schmidt and 3.5-m New Technology Telescope. Observers C.-I. Lagerkvist, S. Mottola, U. Carsenty, P. Martin, K. Mueller, G. van der Steene, N. Hurtado and J. Miranda. Measured by M. Lundström (reduction by O. Hernius) and O. R. Hainaut.	C/1995 O1	1996 08 19.88420	17 48 48.80	-07 21 56.9			006
		C/1995 O1	1997 02 19.84636	20 38 55.07	+26 33 14.2			360
		C/1995 O1	1997 02 19.85070	20 38 56.12	+26 33 25.2			360
		C/1995 O1	1997 02 22.85383	20 51 35.52	+28 41 46.9			360
861	Barao Geraldo. 0.20-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer P. R. Holvorcem.	C/1995 O1	1997 02 22.85660	20 51 36.26	+28 41 54.3			360
		C/1995 O1	1997 02 23.13172	20 52 49.62	+28 53 50.5			540
867	Saji Observatory. 1.03-m $f/4.8$ reflector + CCD. Observers M. Yamanishi, A. Miyamoto, M. Aimoto and T. Oribe.	C/1995 O1	1997 02 23.13473	20 52 50.43	+28 53 58.1			540
		C/1995 O1	1997 02 23.84090	20 56 02.29	+29 25 00.9			900
886	Susono. 0.25-m $f/6.3$ reflector + CCD. Observer M. Akiyama.	C/1995 O1	1997 02 23.84309	20 56 02.95	+29 25 07.7			900
		C/1995 O1	1997 02 27.82986	21 15 40.19	+32 23 52.8			900
897	YGCO Chiyoda Observatory. 0.25-m $f/6.0$ reflector + CCD and 0.20-m refractor + CCD. Observer T. Kojima.	C/1995 O1	1997 02 27.83226	21 15 40.88	+32 23 59.0			900
		C/1995 O1	1997 02 28.16779	21 17 27.59	+32 39 05.7			107
900	Moriyama. 0.25-m $f/6.3$ reflector + CCD. Observer Y. Ikari.	C/1995 O1	1997 02 28.18559	21 17 33.39	+32 39 57.0			107
950	La Palma. 1.0-m $f/15$ reflector + CCD. Observer M. Kidger. Measured by R. Casas.	C/1995 O1	1997 03 01.16397	21 22 53.07	+33 24 35.1			107
		C/1995 O1	1997 03 01.18306	21 22 59.44	+33 25 26.3			107
954	Teide Observatory. 0.81-m $f/11$ reflector + CCD. Observers A. Alonso, J. Licandro, M. Serra and A. Oscoz. Measured by R. Casas.	C/1995 O1	1997 03 01.20340	21 23 06.15	+33 26 21.1			107
		C/1995 O1	1997 03 03.17707	21 34 28.14	+34 56 22.7			107
963	Werrington. 0.28-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer J. Mackey.	C/1995 O1	1997 03 03.19492	21 34 34.36	+34 57 08.0			107

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C/1995 O1	1997 03 06.17123	21 53 22.05	+37 11 14.8	057
C/1995 O1	1997 03 08.14963	22 07 01.81	+38 37 42.6	057
C/1995 O1	1997 03 10.17926	22 22 04.61	+40 02 33.3	107
C/1995 O1	1997 03 10.19233	22 22 10.74	+40 03 05.2	107
C/1995 O1	1997 03 11.17160	22 29 49.28	+40 42 07.2	057
C/1995 O1	1997 03 13.12975	22 45 50.81	+41 55 36.2	057

P/1996 A1 (Jedicke)

P/1996 A1	1997 03 11.68038	12 14 31.34	-09 38 58.6	17.7 T	360
P/1996 A1	1997 03 11.68507	12 14 31.25	-09 38 57.9		360

C/1996 N1 (Brewington)

C/1996 N1	1996 08 17.83589	13 50 52.92	+41 27 37.1	472
C/1996 N1	1996 08 17.83935	13 50 53.60	+41 27 43.3	472
C/1996 N1	1996 08 17.84565	13 50 54.96	+41 27 59.0	472

C/1996 P2 (Russell-Watson)

C/1996 P2	1996 08 16.11404	01 41 24.36	-30 46 27.7	472
C/1996 P2	1996 08 16.11743	01 41 24.39	-30 46 29.4	472
C/1996 P2	1996 08 16.12338	01 41 24.44	-30 46 33.2	472

C/1996 R3

C/1996 R3	1996 09 12.28682	23 09 50.82	-00 49 35.3	20.7 N	691
C/1996 R3	1996 09 13.15139	23 09 34.78	-00 54 59.2	19.5 T	809
C/1996 R3	1996 09 14.27361	23 09 13.81	-01 02 03.7		809
C/1996 R3	1996 09 14.40286	23 09 11.71	-01 03 09.7	19 T	566
C/1996 R3	1996 09 14.44208	23 09 10.97	-01 03 14.7		566

C/1997 A1 (NEAT)

C/1997 A1	1997 02 08.88062	08 30 36.50	+26 23 28.9		108
C/1997 A1	1997 02 08.89810	08 30 33.86	+26 23 49.7		108
C/1997 A1	1997 02 24.48404	07 50 54.29	+30 30 37.6		867
C/1997 A1	1997 02 24.49619	07 50 52.54	+30 30 47.2		867
C/1997 A1	1997 02 26.90184	07 45 12.63	+31 00 58.4	18.0 T	118
C/1997 A1	1997 02 26.91002	07 45 11.50	+31 01 04.1		118
C/1997 A1	1997 02 26.91148	07 45 11.31	+31 01 04.9		118
C/1997 A1	1997 02 27.49618	07 43 50.44	+31 08 08.1	17.9 T	402
C/1997 A1	1997 02 27.50660	07 43 48.96	+31 08 15.1		402
C/1997 A1	1997 02 27.51042	07 43 48.38	+31 08 18.1		402
C/1997 A1	1997 02 27.58646	07 43 37.88	+31 09 12.7	17.7 T	360
C/1997 A1	1997 02 27.58924	07 43 37.53	+31 09 14.8		360
C/1997 A1	1997 03 02.81443	07 36 24.02	+31 45 42.9	17.1 T	046
C/1997 A1	1997 03 02.81795	07 36 23.53	+31 45 43.5		046
C/1997 A1	1997 03 02.82043	07 36 23.19	+31 45 46.1		046
C/1997 A1	1997 03 02.82258	07 36 22.99	+31 45 47.1		046
C/1997 A1	1997 03 07.47674	07 26 37.20	+32 32 18.3	17.8 T	360
C/1997 A1	1997 03 07.48507	07 26 36.14	+32 32 23.2		360
C/1997 A1	1997 03 10.81274	07 20 08.63	+33 01 32.9	18.1 T	046
C/1997 A1	1997 03 10.81610	07 20 08.21	+33 01 34.5		046
C/1997 A1	1997 03 10.81946	07 20 07.93	+33 01 35.6		046

P/1997 B1 (Kobayashi)

P/1997 B1	1997 02 14.65912	09 51 24.34	+14 33 53.7	17.4 T	900
P/1997 B1	1997 02 14.67890	09 51 23.52	+14 33 44.0	17.5 T	900
P/1997 B1	1997 02 19.62624	09 48 13.22	+13 52 59.8		900

P/1997 B1	1997 02 19.64627	09 48 12.46	+13 52 50.2		900	
P/1997 B1	1997 02 20.00330	09 47 59.01	+13 49 49.1	1	118	
P/1997 B1	1997 02 20.00684	09 47 58.84	+13 49 46.3	17.1 T	1	118
P/1997 B1	1997 02 20.02640	09 47 58.13	+13 49 37.1		1	118
P/1997 B1	1997 02 24.54030	09 45 15.03	+13 11 31.6			867
P/1997 B1	1997 02 24.54863	09 45 14.75	+13 11 27.7			867
P/1997 B1	1997 02 24.56252	09 45 14.26	+13 11 20.5			867
P/1997 B1	1997 02 27.57095	09 43 34.15	+12 45 32.4	17.0 T		402
P/1997 B1	1997 02 27.57326	09 43 34.05	+12 45 31.0			402
P/1997 B1	1997 02 27.57546	09 43 33.98	+12 45 29.8			402
P/1997 B1	1997 02 27.61615	09 43 32.60	+12 45 08.3	17.6 T		360
P/1997 B1	1997 02 27.62101	09 43 32.45	+12 45 06.1			360
P/1997 B1	1997 02 27.64549	09 43 31.59	+12 44 53.5		1	360
P/1997 B1	1997 03 02.84160	09 41 56.12	+12 17 08.4	16.9 T		046
P/1997 B1	1997 03 02.84380	09 41 56.10	+12 17 07.2			046
P/1997 B1	1997 03 02.84589	09 41 55.99	+12 17 06.1			046
P/1997 B1	1997 03 02.84792	09 41 55.94	+12 17 05.0			046
P/1997 B1	1997 03 04.58927	09 41 08.72	+12 01 54.6			355
P/1997 B1	1997 03 04.59280	09 41 08.68	+12 01 53.5			355
P/1997 B1	1997 03 04.59793	09 41 08.50	+12 01 49.5			355
P/1997 B1	1997 03 04.62014	09 41 07.87	+12 01 38.1	16.9 T		402
P/1997 B1	1997 03 04.62257	09 41 07.81	+12 01 36.7			402
P/1997 B1	1997 03 04.62500	09 41 07.75	+12 01 35.5			402
P/1997 B1	1997 03 04.79861	09 41 03.74	+12 00 03.0			104
P/1997 B1	1997 03 04.81424	09 41 03.25	+11 59 55.2			104
P/1997 B1	1997 03 04.81950	09 41 03.12	+11 59 52.4			104
P/1997 B1	1997 03 04.82917	09 41 02.83	+11 59 47.7			104
P/1997 B1	1997 03 05.63160	09 40 42.47	+11 52 46.6			360
P/1997 B1	1997 03 05.64063	09 40 42.23	+11 52 41.8			360
P/1997 B1	1997 03 05.65729	09 40 41.75	+11 52 32.7	16.9 T		402
P/1997 B1	1997 03 05.65972	09 40 41.69	+11 52 31.5			402
P/1997 B1	1997 03 05.66250	09 40 41.60	+11 52 30.2			402
P/1997 B1	1997 03 07.61096	09 39 57.00	+11 35 22.8			355
P/1997 B1	1997 03 07.61439	09 39 56.86	+11 35 20.6	16.4 T		355
P/1997 B1	1997 03 07.61822	09 39 56.82	+11 35 18.9			355
P/1997 B1	1997 03 08.63264	09 39 35.66	+11 26 21.3	16.5 T		402
P/1997 B1	1997 03 08.63542	09 39 35.62	+11 26 19.8			402
P/1997 B1	1997 03 08.63854	09 39 35.56	+11 26 18.3			402
P/1997 B1	1997 03 09.55310	09 39 18.15	+11 18 13.7			385
P/1997 B1	1997 03 09.56223	09 39 17.93	+11 18 09.0			385
P/1997 B1	1997 03 09.56792	09 39 17.82	+11 18 06.0			385
P/1997 B1	1997 03 10.91264	09 38 54.37	+11 06 10.0	17.1 T		046
P/1997 B1	1997 03 10.91671	09 38 54.31	+11 06 07.9			046
P/1997 B1	1997 03 10.91897	09 38 54.27	+11 06 06.6			046

C/1997 BA₆ (Spacewatch)

C/1997 BA ₆	1997 02 27.58507	09 10 10.91	+12 58 49.4	19.2 T	402	
C/1997 BA ₆	1997 02 27.59306	09 10 10.62	+12 58 49.3		402	
C/1997 BA ₆	1997 02 27.59826	09 10 10.46	+12 58 49.6		402	
C/1997 BA ₆	1997 03 01.58264	09 09 16.09	+12 58 48.3	19.6 T	402	
C/1997 BA ₆	1997 03 01.58438	09 09 15.98	+12 58 49.8		402	
C/1997 BA ₆	1997 03 01.59375	09 09 15.83	+12 58 48.6		402	
C/1997 BA ₆	1997 03 01.60868	09 09 15.38	+12 58 48.6	20.0 T	2	360

C/1997 BA ₆	1997 03 01.63663	09 09 14.60	+12 58 48.7		2 360
C/1997 BA ₆	1997 03 01.64392	09 09 14.48	+12 58 48.2		2 360
C/1997 BA ₆	1997 03 03.31912	09 08 29.21	+12 58 46.3		696
C/1997 BA ₆	1997 03 03.32303	09 08 29.09	+12 58 46.3		696
C/1997 BA ₆	1997 03 03.32704	09 08 28.99	+12 58 46.2		696
C/1997 BA ₆	1997 03 04.58472	09 07 55.53	+12 58 43.4	19.5 T	360
C/1997 BA ₆	1997 03 04.59792	09 07 55.23	+12 58 43.7	19.5 T	402
C/1997 BA ₆	1997 03 04.60868	09 07 54.90	+12 58 42.9		402
C/1997 BA ₆	1997 03 04.61389	09 07 54.70	+12 58 43.4		402
C/1997 BA ₆	1997 03 04.61458	09 07 54.74	+12 58 43.5		360
C/1997 BA ₆	1997 03 04.62257	09 07 54.53	+12 58 43.4		360
C/1997 BA ₆	1997 03 05.93477	09 07 20.06	+12 58 37.9	18.9 T	046
C/1997 BA ₆	1997 03 05.93955	09 07 19.96	+12 58 37.7		046
C/1997 BA ₆	1997 03 05.94766	09 07 19.72	+12 58 37.6		046
C/1997 BA ₆	1997 03 07.40729	09 06 41.96	+12 58 30.3		696
C/1997 BA ₆	1997 03 07.41142	09 06 41.85	+12 58 30.4		696
C/1997 BA ₆	1997 03 10.90497	09 05 14.04	+12 58 03.2		587
C/1997 BA ₆	1997 03 10.94728	09 05 12.94	+12 58 04.9	19.5 N	587
C/1997 BA ₆	1997 03 11.60139	09 04 56.83	+12 57 56.6	19.2 T	402
C/1997 BA ₆	1997 03 11.61528	09 04 56.48	+12 57 58.4		402

P/1997 C1 (Gehrels)

P/1997 C1	1997 02 23.28499	08 59 57.48	+13 13 16.6		658
P/1997 C1	1997 02 23.30035	08 59 57.09	+13 13 17.9		658
P/1997 C1	1997 02 23.30664	08 59 56.91	+13 13 20.0		658
P/1997 C1	1997 02 24.37314	08 59 28.04	+13 15 51.9		658
P/1997 C1	1997 02 24.37487	08 59 27.98	+13 15 51.6		658
P/1997 C1	1997 02 24.38007	08 59 27.87	+13 15 52.4		658
P/1997 C1	1997 02 24.44635	08 59 26.28	+13 16 01.8	18.4 T	360
P/1997 C1	1997 02 24.45122	08 59 26.18	+13 16 03.2		360
P/1997 C1	1997 02 24.45608	08 59 25.99	+13 16 03.7		360
P/1997 C1	1997 03 01.56111	08 57 18.23	+13 27 38.7	18.7 T	402
P/1997 C1	1997 03 01.56493	08 57 18.11	+13 27 40.6		402
P/1997 C1	1997 03 01.56875	08 57 18.02	+13 27 39.2		402
P/1997 C1	1997 03 01.59219	08 57 17.48	+13 27 43.1	18.4 T	360
P/1997 C1	1997 03 01.59688	08 57 17.39	+13 27 43.7		360
P/1997 C1	1997 03 01.60104	08 57 17.24	+13 27 44.0		360
P/1997 C1	1997 03 02.82977	08 56 49.21	+13 30 22.3		046
P/1997 C1	1997 03 02.83228	08 56 49.16	+13 30 22.7		046
P/1997 C1	1997 03 03.78943	08 56 28.20	+13 32 23.3	18.8 N	557
P/1997 C1	1997 03 03.79226	08 56 28.14	+13 32 23.5	17.6 T	557
P/1997 C1	1997 03 05.55781	08 55 51.03	+13 36 01.2	18.4 T	360
P/1997 C1	1997 03 05.56337	08 55 50.88	+13 36 01.8		360
P/1997 C1	1997 03 05.57135	08 55 50.73	+13 36 02.9		360
P/1997 C1	1997 03 05.62153	08 55 49.64	+13 36 09.7	18.3 T	402
P/1997 C1	1997 03 05.64028	08 55 49.30	+13 36 10.7		402
P/1997 C1	1997 03 07.50122	08 55 13.04	+13 39 50.4		360
P/1997 C1	1997 03 07.50868	08 55 12.89	+13 39 51.6		360
P/1997 C1	1997 03 07.51563	08 55 12.78	+13 39 52.1		360
P/1997 C1	1997 03 11.58333	08 54 03.02	+13 47 18.3	18.0 T	402
P/1997 C1	1997 03 11.58750	08 54 03.01	+13 47 19.1		402
P/1997 C1	1997 03 11.59167	08 54 02.85	+13 47 20.2		402

C/1997 D1 (Mueller)

C/1997 D1	1997 02 17.46667	12 48 21.29	+46 23 44.1	16 T	675
C/1997 D1	1997 02 17.50833	12 48 15.70	+46 24 34.6		675
C/1997 D1	1997 02 19.51736	12 43 12.93	+47 08 50.0		675
C/1997 D1	1997 02 19.53472	12 43 10.81	+47 09 07.3		675
C/1997 D1	1997 02 20.22830	12 41 21.59	+47 24 13.3		670
C/1997 D1	1997 02 20.24105	12 41 19.50	+47 24 31.4		670
C/1997 D1	1997 02 20.25295	12 41 17.61	+47 24 47.0		670
C/1997 D1	1997 02 20.26997	12 41 14.82	+47 25 09.4	15.8 T	670
C/1997 D1	1997 02 20.51736	12 40 35.44	+47 30 30.6	14.6 T	402
C/1997 D1	1997 02 20.52176	12 40 34.72	+47 30 35.9		402
C/1997 D1	1997 02 20.52847	12 40 33.62	+47 30 44.9		402
C/1997 D1	1997 02 20.55087	12 40 30.01	+47 31 14.5	15.1 T	360
C/1997 D1	1997 02 20.55920	12 40 28.69	+47 31 25.1		360
C/1997 D1	1997 02 20.56563	12 40 27.67	+47 31 33.9		360
C/1997 D1	1997 02 20.69031	12 40 07.62	+47 34 14.5	14.6 T	327
C/1997 D1	1997 02 20.69403	12 40 07.00	+47 34 18.6		327
C/1997 D1	1997 02 20.69759	12 40 06.38	+47 34 23.8		327
C/1997 D1	1997 02 20.70132	12 40 05.88	+47 34 28.7		327
C/1997 D1	1997 02 20.70486	12 40 05.25	+47 34 33.5		327
C/1997 D1	1997 02 20.87929	12 39 37.04	+47 38 19.2	15.2 N	596
C/1997 D1	1997 02 20.88477	12 39 36.14	+47 38 28.2		596
C/1997 D1	1997 02 20.88949	12 39 35.30	+47 38 32.3		596
C/1997 D1	1997 02 20.89640	12 39 34.22	+47 38 41.4		596
C/1997 D1	1997 02 21.22379	12 38 41.01	+47 45 44.0		670
C/1997 D1	1997 02 21.24462	12 38 37.57	+47 46 11.1		670
C/1997 D1	1997 02 21.26545	12 38 34.14	+47 46 38.1	15.5 T	670
C/1997 D1	1997 02 21.49063	12 37 57.13	+47 51 26.7	14.3 T	897
C/1997 D1	1997 02 21.51881	12 37 52.48	+47 52 03.5		897
C/1997 D1	1997 02 21.52734	12 37 51.11	+47 52 14.2		897
C/1997 D1	1997 02 21.54840	12 37 47.58	+47 52 40.8	14.8 T	355
C/1997 D1	1997 02 21.55801	12 37 46.04	+47 52 53.4		355
C/1997 D1	1997 02 21.56463	12 37 44.95	+47 53 02.3		355
C/1997 D1	1997 02 22.29620	12 35 41.84	+48 08 45.5	14.1 T	2 861
C/1997 D1	1997 02 22.30708	12 35 40.46	+48 08 55.4	14.1 T	861
C/1997 D1	1997 02 22.55453	12 34 58.89	+48 14 04.0	14.7 T	367
C/1997 D1	1997 02 22.56285	12 34 57.36	+48 14 15.2		367
C/1997 D1	1997 02 22.62502	12 34 46.71	+48 15 34.1	14.8 T	355
C/1997 D1	1997 02 22.64007	12 34 44.14	+48 15 53.6		355
C/1997 D1	1997 02 22.76910	12 34 21.85	+48 18 37.5	14.7 T	360
C/1997 D1	1997 02 22.77257	12 34 21.24	+48 18 41.7		360
C/1997 D1	1997 02 22.77604	12 34 20.65	+48 18 46.3		360
C/1997 D1	1997 02 22.82532	12 34 12.46	+48 19 46.3		046
C/1997 D1	1997 02 22.82674	12 34 12.24	+48 19 47.6		046
C/1997 D1	1997 02 22.82804	12 34 12.00	+48 19 49.6		046
C/1997 D1	1997 02 22.82971	12 34 11.71	+48 19 51.7		046
C/1997 D1	1997 02 22.83152	12 34 11.42	+48 19 54.0		046
C/1997 D1	1997 02 22.83537	12 34 10.75	+48 19 59.0		046
C/1997 D1	1997 02 23.04782	12 33 33.97	+48 24 28.4		3 118
C/1997 D1	1997 02 23.05111	12 33 33.38	+48 24 32.3	15.0 T	3 118
C/1997 D1	1997 02 23.05743	12 33 32.31	+48 24 40.5		3 118
C/1997 D1	1997 02 23.48893	12 32 17.74	+48 33 40.5	14.5 T	886

1997 MAR. 24

M.P.C. 29173

C/1997 D1	1997 02 23.50987	12 32 13.81	+48 34 06.7		886
C/1997 D1	1997 02 23.57868	12 32 01.89	+48 35 33.6	14.3 T	900
C/1997 D1	1997 02 23.59517	12 31 58.92	+48 35 54.0		900
C/1997 D1	1997 02 24.90735	12 28 04.56	+49 02 54.0		557
C/1997 D1	1997 02 24.91113	12 28 03.86	+49 02 58.5	15.9 N	557
C/1997 D1	1997 02 24.91571	12 28 03.02	+49 03 04.3	14.7 T	557
C/1997 D1	1997 02 25.19132	12 27 12.91	+49 08 39.2	15.2 T	670
C/1997 D1	1997 02 25.20660	12 27 10.07	+49 08 58.0		670
C/1997 D1	1997 02 25.22465	12 27 06.77	+49 09 19.7		670
C/1997 D1	1997 02 28.80525	12 15 38.80	+50 19 10.3		557
C/1997 D1	1997 02 28.80722	12 15 38.41	+50 19 12.4		557
C/1997 D1	1997 02 28.80919	12 15 37.99	+50 19 14.7	15.6 N	557
C/1997 D1	1997 02 28.81116	12 15 37.60	+50 19 16.6	14.4 T	557
C/1997 D1	1997 02 28.87891	12 15 23.98	+50 20 33.2		046
C/1997 D1	1997 02 28.88047	12 15 23.66	+50 20 35.1		046
C/1997 D1	1997 02 28.88162	12 15 23.40	+50 20 36.5		046
C/1997 D1	1997 02 28.88255	12 15 23.21	+50 20 37.5		046
C/1997 D1	1997 03 01.52956	12 13 12.08	+50 32 36.7	14.5 T	886
C/1997 D1	1997 03 01.53720	12 13 10.55	+50 32 45.5		886
C/1997 D1	1997 03 01.75208	12 12 26.26	+50 36 40.8	14.4 T	360
C/1997 D1	1997 03 01.75608	12 12 25.42	+50 36 45.2		360
C/1997 D1	1997 03 01.76111	12 12 24.39	+50 36 50.7		360
C/1997 D1	1997 03 02.87932	12 08 32.25	+50 56 51.3	14.5 T	540
C/1997 D1	1997 03 02.88325	12 08 31.41	+50 56 54.9		540
C/1997 D1	1997 03 02.88711	12 08 30.79	+50 56 59.5		540
C/1997 D1	1997 03 02.92708	12 08 22.26	+50 57 41.8		108
C/1997 D1	1997 03 02.93125	12 08 21.34	+50 57 46.0		108
C/1997 D1	1997 03 02.93547	12 08 20.43	+50 57 51.6		108
C/1997 D1	1997 03 02.94358	12 08 18.79	+50 57 58.7	15.5 T	108
C/1997 D1	1997 03 04.64554	12 02 13.75	+51 27 04.2		355
C/1997 D1	1997 03 04.64764	12 02 13.30	+51 27 06.0		355
C/1997 D1	1997 03 04.65340	12 02 12.05	+51 27 11.8		355
C/1997 D1	1997 03 04.65486	12 02 11.61	+51 27 13.3	14.1 T	402
C/1997 D1	1997 03 04.65799	12 02 10.93	+51 27 16.4		402
C/1997 D1	1997 03 04.66076	12 02 10.32	+51 27 19.2		402
C/1997 D1	1997 03 05.72153	11 58 16.37	+51 44 32.2	14.0 T	402
C/1997 D1	1997 03 05.72431	11 58 15.75	+51 44 34.7		402
C/1997 D1	1997 03 05.72639	11 58 15.31	+51 44 36.6		402
C/1997 D1	1997 03 07.19201	11 52 45.07	+52 07 09.1	15.0 T	670
C/1997 D1	1997 03 07.20868	11 52 41.25	+52 07 23.7		670
C/1997 D1	1997 03 07.22483	11 52 37.58	+52 07 38.9		670
C/1997 D1	1997 03 07.87282	11 50 08.35	+52 17 08.2	14.5 T	540
C/1997 D1	1997 03 07.87669	11 50 07.61	+52 17 11.0		540
C/1997 D1	1997 03 07.89014	11 50 04.43	+52 17 24.0		540
C/1997 D1	1997 03 07.94469	11 49 51.83	+52 18 10.4	14.6 T	605
C/1997 D1	1997 03 07.95895	11 49 48.48	+52 18 22.7	14.6 T	605
C/1997 D1	1997 03 08.66944	11 47 03.05	+52 28 25.9	14.2 T	402
C/1997 D1	1997 03 08.67234	11 47 02.35	+52 28 28.4		402
C/1997 D1	1997 03 08.67500	11 47 01.73	+52 28 30.7		402
C/1997 D1	1997 03 09.83444	11 42 28.54	+52 44 02.4	14.7 T	118
C/1997 D1	1997 03 09.87362	11 42 19.27	+52 44 32.2	14.7 T	605
C/1997 D1	1997 03 09.87821	11 42 18.13	+52 44 36.2	14.6 T	605

C/1997 D1	1997 03 09.88454	11 42 16.62	+52 44 40.9	14.7 T	605
C/1997 D1	1997 03 11.65295	11 35 10.74	+53 06 23.7	14.5 T	360
C/1997 D1	1997 03 11.65573	11 35 10.06	+53 06 25.7		360
C/1997 D1	1997 03 11.65851	11 35 09.37	+53 06 27.6		360

10P/Tempel 2

10P	1997 02 01.34979	09 24 32.40	+20 11 27.7	20.7 T	696
10P	1997 02 01.35373	09 24 32.23	+20 11 28.6	20.7 T	696
10P	1997 02 01.35767	09 24 32.05	+20 11 29.8	20.6 T	696
10P	1997 03 05.57760	09 02 24.66	+22 11 15.7	20.0 T	2 360
10P	1997 03 05.58819	09 02 24.27	+22 11 18.3		2 360
10P	1997 03 05.59514	09 02 24.04	+22 11 19.3		2 360

22P/Kopff

22P	1996 08 15.99534	19 35 04.53	-23 33 57.5		472
22P	1996 08 15.99964	19 35 04.69	-23 33 58.6		472
22P	1996 08 16.00250	19 35 04.87	-23 33 59.0		472
22P	1997 02 23.73939	00 41 14.25	+00 29 34.4		118
22P	1997 02 23.74986	00 41 15.27	+00 29 41.0	16.1 T	118

29P/Schwassmann-Wachmann 1

29P	1997 02 19.98429	12 07 06.97	-09 31 26.2		118
29P	1997 02 19.99131	12 07 06.82	-09 31 25.6	16.2 T	118
29P	1997 02 23.02079	12 06 04.21	-09 28 50.0		118
29P	1997 02 23.03150	12 06 03.99	-09 28 49.5		118
29P	1997 03 01.72309	12 03 33.62	-09 21 00.7	13.5 T	360
29P	1997 03 01.72743	12 03 33.50	-09 21 00.5	17.0 N	360
29P	1997 03 04.78698	12 02 19.98	-09 16 31.6	13.6 T	360
29P	1997 03 04.79028	12 02 19.91	-09 16 31.4	17.0 N	360
29P	1997 03 05.01111	12 02 14.57	-09 16 10.9		118
29P	1997 03 05.03206	12 02 14.04	-09 16 09.0	16.2 T	118
29P	1997 03 11.66545	11 59 26.86	-09 04 37.9	13.5 T	360
29P	1997 03 11.66892	11 59 26.79	-09 04 37.2	17.0 N	360

32P/Comas Solá

32P	1997 03 05.99331	14 24 23.14	-02 13 31.7		3 118
32P	1997 03 06.00022	14 24 22.99	-02 13 30.8	17.3 T	3 118
32P	1997 03 07.98656	14 23 43.04	-02 09 26.5		118
32P	1997 03 07.99600	14 23 42.82	-02 09 25.2		118
32P	1997 03 09.02716	14 23 19.88	-02 07 11.6		118
32P	1997 03 09.03380	14 23 19.71	-02 07 10.9	17.6 T	118

46P/Wirtanen

46P	1997 02 24.42795	01 17 47.80	+04 39 57.8	11.8 T	360
46P	1997 02 24.43056	01 17 48.33	+04 40 02.8		360
46P	1997 03 02.77667	01 40 05.39	+07 53 12.2		057
46P	1997 03 07.42344	01 57 06.09	+10 15 16.3	10.9 T	360
46P	1997 03 07.42569	01 57 06.61	+10 15 20.4		360
46P	1997 03 07.78470	01 58 27.23	+10 26 17.6	12.3 T	605
46P	1997 03 07.81032	01 58 32.99	+10 27 03.3	12.0 T	605
46P	1997 03 09.75286	02 05 51.86	+11 26 13.4	11.7 T	046
46P	1997 03 09.75374	02 05 51.99	+11 26 14.8		046
46P	1997 03 09.75444	02 05 52.21	+11 26 16.0		046

47P/Ashbrook-Jackson						
47P	1997 02 01.42411	11 45 49.39	+05 47 56.3	21.5 T	696	
47P	1997 02 01.43191	11 45 49.22	+05 47 56.6	22.0 T	696	
47P	1997 02 01.43968	11 45 49.03	+05 47 58.6		696	
55P/1997 E1 (Tempel-Tuttle)						
55P	1997 03 04.62838	13 43 12.63	+04 43 37.7	22.5 N	568	
55P	1997 03 04.637	13 43 12.31	+04 43 41.7		568	
55P	1997 03 04.64876	13 43 11.57	+04 43 49.0		568	
55P	1997 03 04.65752	13 43 11.07	+04 43 54.4		568	
55P	1997 03 07.3108	13 40 40.80	+05 10 45.3	22 N	809	
57P/du Toit-Neujmin-Delporte						
57P	1996 08 16.13435	02 42 26.58	+15 16 27.6		472	
57P	1996 08 17.10848	02 43 07.02	+15 18 12.3		472	
57P	1996 08 17.11367	02 43 07.20	+15 18 12.7		472	
57P	1996 08 18.14096	02 43 47.92	+15 19 53.5		472	
57P	1997 03 05.76719	02 50 59.80	+14 20 28.2		118	
57P	1997 03 05.77088	02 51 00.13	+14 20 29.1		4 118	
57P	1997 03 05.78274	02 51 00.94	+14 20 32.9	19.8 T	4 118	
65P/Gunn						
65P	1996 08 15.88448	16 21 46.87	-26 38 15.2		472	
65P	1996 08 15.89281	16 21 47.26	-26 38 16.7		472	
65P	1996 08 15.90147	16 21 47.87	-26 38 18.2		472	
74P/Smirnova-Chernykh						
74P	1996 08 16.05322	23 06 34.51	-14 39 34.6		472	
81P/Wild 2						
81P	1997 01 26.69758	08 02 34.25	+18 52 10.7		327	
81P	1997 01 26.71205	08 02 33.38	+18 52 14.3	10.1 T	327	
81P	1997 01 26.72645	08 02 32.75	+18 52 18.5		327	
81P	1997 01 27.64755	08 01 46.25	+18 57 24.7		327	
81P	1997 01 27.66185	08 01 45.38	+18 57 30.6		327	
81P	1997 01 27.67662	08 01 44.75	+18 57 36.7	9.9 T	327	
81P	1997 02 08.77575	07 52 26.69	+20 03 54.3		108	
81P	1997 02 08.79200	07 52 25.95	+20 03 59.1		108	
81P	1997 02 14.93359	07 49 00.60	+20 34 57.7	10.8 T	628	
81P	1997 02 14.98567	07 48 59.06	+20 35 13.0	10.7 T	628	
81P	1997 02 15.04702	07 48 57.35	+20 35 33.2	14.3 N	950	
81P	1997 02 15.07812	07 48 56.41	+20 35 41.7		950	
81P	1997 02 15.10709	07 48 55.56	+20 35 49.5	14.4 N	950	
81P	1997 02 21.02219	07 46 58.89	+21 02 06.3		118	
81P	1997 02 21.03086	07 46 58.78	+21 02 08.0	11.5 T	118	
81P	1997 02 22.88438	07 46 40.65	+21 09 35.8		057	
81P	1997 02 22.89619	07 46 40.55	+21 09 36.4		118	
81P	1997 02 22.92633	07 46 40.22	+21 09 43.3	11.5 T	118	
81P	1997 02 23.86108	07 46 34.64	+21 13 20.2	11.6 T	057	
81P	1997 02 23.95948	07 46 33.85	+21 13 39.3		118	
81P	1997 02 23.96288	07 46 33.84	+21 13 40.2	11.8 T	118	
81P	1997 02 24.48558	07 46 32.22	+21 15 40.0	10.7 T	900	
81P	1997 02 24.49141	07 46 32.23	+21 15 40.5		900	
81P	1997 02 24.98035	07 46 30.70	+21 17 28.3	14.2 N	954	
81P	1997 02 24.99821	07 46 30.57	+21 17 31.5	14.2 N	954	

81P	1997 02 25.01381	07 46 30.52	+21 17 35.4	14.1 N	954	
81P	1997 02 25.86007	07 46 30.59	+21 20 35.8	14.4 N	954	
81P	1997 02 25.88591	07 46 30.12	+21 20 36.8		057	
81P	1997 02 25.92160	07 46 30.39	+21 20 48.9		954	
81P	1997 02 25.97240	07 46 30.23	+21 20 59.4	14.3 N	954	
81P	1997 02 26.00846	07 46 30.12	+21 21 06.7		954	
81P	1997 02 26.94846	07 46 32.35	+21 24 16.9	11.9 T	118	
81P	1997 02 26.95250	07 46 32.36	+21 24 17.9		118	
81P	1997 02 26.95627	07 46 32.38	+21 24 18.7		118	
81P	1997 02 28.84972	07 46 44.40	+21 30 22.8		057	
81P	1997 03 01.87500	07 46 54.77	+21 33 26.6		057	
81P	1997 03 01.92906	07 46 55.55	+21 33 37.7		130	
81P	1997 03 01.93678	07 46 55.63	+21 33 39.4		130	
81P	1997 03 02.82109	07 47 07.75	+21 36 09.6		963	
81P	1997 03 02.86489	07 47 08.09	+21 36 19.0		057	
81P	1997 03 02.90852	07 47 08.67	+21 36 23.9	12.3 T	118	
81P	1997 03 02.91682	07 47 08.76	+21 36 25.4		118	
81P	1997 03 03.97538	07 47 25.99	+21 39 16.1		118	
81P	1997 03 03.98853	07 47 26.20	+21 39 17.7	11.1 T	118	
81P	1997 03 04.83933	07 47 42.93	+21 41 26.0		057	
81P	1997 03 04.85425	07 47 42.90	+21 41 32.0		057	
81P	1997 03 05.88740	07 48 05.84	+21 43 58.8		057	
81P	1997 03 06.85093	07 48 29.89	+21 46 10.4		963	
81P	1997 03 06.88781	07 48 30.77	+21 46 16.3	11.1 T	605	
81P	1997 03 06.89344	07 48 30.94	+21 46 17.5	11.2 T	605	
81P	1997 03 06.91350	07 48 31.38	+21 46 19.9	11.2 T	605	
81P	1997 03 08.85131	07 49 28.22	+21 50 12.3	12.0 T	630	
81P	1997 03 08.90961	07 49 29.81	+21 50 17.4	11.3 T	118	
81P	1997 03 09.84472	07 50 01.83	+21 51 57.9	11.4 T	605	
81P	1997 03 09.85483	07 50 02.10	+21 52 00.0	11.6 T	605	
81P	1997 03 09.90095	07 50 03.37	+21 52 02.5	11.1 T	628	
81P	1997 03 09.94331	07 50 04.72	+21 52 06.9	11.0 T	628	
81P	1997 03 10.82382	07 50 37.08	+21 53 32.5		057	
81P	1997 03 10.83072	07 50 37.25	+21 53 33.1		057	
81P	1997 03 11.87579	07 51 18.28	+21 55 02.1		057	
81P	1997 03 11.88042	07 51 18.43	+21 55 02.1		057	
81P	1997 03 11.88234	07 51 18.46	+21 55 04.2		057	
81P	1997 03 12.83443	07 51 58.82	+21 56 15.4		057	
81P	1997 03 12.83973	07 51 59.21	+21 56 16.5		057	
91P/Russell 3						
91P	1997 03 04.65660	11 36 30.06	-19 01 11.6	18.1 T	360	
91P	1997 03 04.66250	11 36 29.84	-19 01 10.7		360	
91P	1997 03 04.96575	11 36 18.04	-19 00 29.2		118	
91P	1997 03 04.97439	11 36 17.67	-19 00 28.1		118	
91P	1997 03 05.67292	11 35 50.15	-18 58 46.7	18.7 T	402	
91P	1997 03 05.69340	11 35 49.42	-18 58 43.6		402	
91P	1997 03 05.69861	11 35 49.12	-18 58 41.5		402	
91P	1997 03 05.94576	11 35 39.47	-18 58 05.8		118	
91P	1997 03 05.95297	11 35 39.21	-18 58 05.0	19.0 T	118	

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94P/Russell 4

94P	1997 02 20.75447	12 30 00.62	+07 54 18.5		327
94P	1997 02 20.76412	12 30 00.50	+07 54 20.6		327
94P	1997 02 20.77353	12 30 00.25	+07 54 24.1	16.6 T	327
94P	1997 02 23.07275	12 29 26.12	+08 03 10.2		118
94P	1997 02 23.08223	12 29 25.95	+08 03 12.2	16.7 T	118
94P	1997 03 01.73351	12 27 00.61	+08 30 26.3	16.3 T	360
94P	1997 03 01.73715	12 27 00.50	+08 30 27.2		360
94P	1997 03 05.06206	12 25 24.27	+08 44 29.5		118
94P	1997 03 05.06804	12 25 24.09	+08 44 31.0	16.5 T	118
94P	1997 03 11.70608	12 21 34.13	+09 11 59.3	16.1 T	360
94P	1997 03 11.71111	12 21 33.92	+09 12 00.4		360

100P/Hartley 1

100P	1997 03 05.71042	13 56 35.58	+19 24 39.4	16.9 T	360
100P	1997 03 05.71580	13 56 35.48	+19 24 38.7		360
100P	1997 03 06.04216	13 56 29.32	+19 23 47.4		118
100P	1997 03 06.05037	13 56 29.12	+19 23 46.2	16.3 T	118
100P	1997 03 08.68090	13 55 29.92	+19 16 24.8	16.8 T	402
100P	1997 03 08.68333	13 55 29.86	+19 16 24.5		402
100P	1997 03 08.68576	13 55 29.78	+19 16 24.0		402
100P	1997 03 11.76372	13 53 56.89	+19 06 01.1	16.9 T	360
100P	1997 03 11.76719	13 53 56.76	+19 06 00.3		360

118P/Shoemaker-Levy 4

118P	1997 02 08.76660	05 22 47.25	+13 49 32.6		108
118P	1997 02 08.78299	05 22 47.86	+13 49 41.2		108
118P	1997 02 20.78155	05 33 32.38	+15 24 35.9		118
118P	1997 02 20.78676	05 33 32.68	+15 24 38.3	14.5 T	118
118P	1997 02 22.78688	05 35 43.33	+15 39 38.3		046
118P	1997 02 22.78942	05 35 43.48	+15 39 39.4		046
118P	1997 02 22.79115	05 35 43.59	+15 39 40.2		046
118P	1997 02 24.43802	05 37 35.75	+15 51 48.8	13.6 T	360
118P	1997 02 24.44080	05 37 35.93	+15 51 50.1		360
118P	1997 02 24.44458	05 37 36.24	+15 51 51.6	14.1 T	900
118P	1997 02 24.45396	05 37 36.84	+15 51 55.8		900
118P	1997 03 01.89625	05 44 15.19	+16 30 19.4	15.2 T	118
118P	1997 03 01.90110	05 44 15.53	+16 30 21.3		118
118P	1997 03 04.92407	05 48 14.26	+16 50 32.0		118
118P	1997 03 04.92981	05 48 14.74	+16 50 34.1	14.6 T	118

119P/Parker-Hartley

119P	1997 02 22.79500	06 39 44.61	+18 09 29.7		046
119P	1997 02 22.79632	06 39 44.62	+18 09 29.8		046
119P	1997 02 22.80022	06 39 44.62	+18 09 30.3		046
119P	1997 02 23.84947	06 39 46.99	+18 10 02.2		118
119P	1997 02 23.90144	06 39 47.13	+18 10 03.6	17.2 T	118
119P	1997 03 07.46701	06 41 47.23	+18 15 13.6	16.8 T	360
119P	1997 03 07.47049	06 41 47.28	+18 15 13.8		360

121P/Shoemaker-Holt 2

121P	1997 02 20.05111	10 39 34.63	+31 00 17.1		118
121P	1997 02 20.05764	10 39 34.36	+31 00 20.0		118
121P	1997 02 20.98420	10 38 55.42	+31 07 06.5		118

121P	1997 02 20.99303	10 38 55.04	+31 07 10.0	15.5 T	118
121P	1997 03 01.68576	10 32 47.16	+32 01 14.1	14.8 T	360
121P	1997 03 01.68889	10 32 47.02	+32 01 15.2		360
121P	1997 03 03.03186	10 31 51.30	+32 07 56.2	15.3 T	118
121P	1997 03 03.03341	10 31 51.26	+32 07 56.8		118
121P	1997 03 03.03698	10 31 51.08	+32 07 57.7		118
121P	1997 03 05.87637	10 29 56.03	+32 20 39.8		118
121P	1997 03 05.88332	10 29 55.76	+32 20 41.7	14.7 T	118
121P	1997 03 11.64410	10 26 16.75	+32 40 02.7	15.0 T	360
121P	1997 03 11.64757	10 26 16.62	+32 40 03.3		360

125P/Spacewatch

125P	1996 08 17.86314	14 53 58.46	-05 49 18.4		472
125P	1996 08 17.87795	14 54 00.89	-05 49 35.0		472

126P/IRAS

126P	1997 02 19.75689	00 11 13.24	+32 10 55.3		118
126P	1997 02 20.75241	00 13 11.97	+32 30 14.2		118
126P	1997 02 20.75865	00 13 12.68	+32 30 21.3	15.5 T	118
126P	1997 02 22.81785	00 17 20.20	+33 10 06.4		118
126P	1997 02 22.82536	00 17 21.06	+33 10 14.8	15.6 T	118
126P	1997 02 24.42170	00 20 34.87	+33 40 53.0	15.3 T	360
126P	1997 02 24.42431	00 20 35.20	+33 40 56.5		360
126P	1997 03 01.80359	00 31 39.70	+35 22 45.2	16.7 T	118
126P	1997 03 01.81027	00 31 40.52	+35 22 52.7		118

Note 1: poor sky. 2: faint image. 3: poor distribution of reference stars. 4: right ascension uncertain.

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	α_{2000}	δ_{2000}	Mag.	N	Obs.
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010 Caussols

E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be]

C. Pollas, Observatoire de la Côte d'Azur, Avenue Copernic, F-06130 Grasse, France [pollas@ocar01.obs-azur.fr]

Observers C. Pollas, D. Albanese

Measurer E. W. Elst

0.9-m Schmidt telescope

1997 AB ₁₃	1992 10 23.00139	02 00 22.21	+08 46 51.2	18.3	010
1997 AB ₁₃	1992 10 23.02222	02 00 20.80	+08 46 46.5		010

012 Uccle

T. Pauwels, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [Thierry.Pauwels@oma.be]

0.85-m $f/2.5$ Schmidt + CCD

GSC 1.2

(886)	1997 03 10.90275	05 10 21.75	+33 56 32.9	14.6 V	012
(886)	1997 03 10.90949	05 10 22.09	+33 56 33.0	14.5 V	012
(886)	1997 03 10.91698	05 10 22.49	+33 56 33.0	14.6 V	012
(2792)	1997 03 10.90275	05 09 30.75	+33 39 39.2		012
(2792)	1997 03 10.90949	05 09 31.55	+33 39 38.8		012
(2792)	1997 03 10.91698	05 09 32.30	+33 39 37.1		012
(5404)	1997 03 10.90275	05 08 36.00	+33 47 47.4		012
(5404)	1997 03 10.90949	05 08 36.60	+33 47 46.7		012
(5404)	1997 03 10.91698	05 08 37.11	+33 47 46.5		012

033 Tautenburg

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

1.3-m Schmidt telescope

PPM

1988 BY ₂	1992 03 01.83819	06 49 35.34	+29 39 50.3	19.0	033
1988 BY ₂	1992 03 01.88750	06 49 35.68	+29 39 34.5		033
1992 KB ₁	* 1992 05 27.00764	17 41 33.36	-16 28 27.2		033
1992 KB ₁	1992 05 29.01319	17 40 05.30	-16 28 02.2	17.8	033
1995 UB ₁	1995 10 25.94444	02 54 15.23	+21 12 18.3		033
1995 UB ₁	1995 10 25.98472	02 54 13.29	+21 12 06.0	18.8	033
1996 BD ₁	1992 03 01.83819	06 48 53.99	+28 36 26.8	17.0	033

1996 BD ₁	1992 03 01.88750	06 48 53.40	+28 35 58.3		033
(5)	1992 05 26.01389	17 38 36.15	-15 51 27.6		033
(5)	1992 05 26.03194	17 38 35.19	-15 51 26.9		033
(5)	1992 05 27.00764	17 37 44.77	-15 50 47.3		033
(5)	1992 05 28.01319	17 36 51.86	-15 50 09.0		033
(5)	1992 05 29.01319	17 35 58.44	-15 49 34.0	11.8	033
(4297)	1992 05 26.01389	17 39 40.23	-14 55 38.9		033
(4297)	1992 05 26.03194	17 39 39.39	-14 55 38.9		033
(4297)	1992 05 27.00764	17 38 58.69	-14 56 08.4		033
(4297)	1992 05 28.01319	17 38 15.05	-14 56 45.6		033
(4297)	1992 05 29.01319	17 37 30.09	-14 57 29.2	15.7	033

046 Klet

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

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

Measurer M. Tichý

0.57-m reflector + CCD

GSC

1983 VH ₁	1997 02 10.16265	14 54 02.78	-06 26 16.0	18.0 V	046
1983 VH ₁	1997 02 10.16639	14 54 02.87	-06 26 16.4		046
1983 VH ₁	1997 02 10.17497	14 54 03.09	-06 26 16.4		046
1984 BC	1997 02 28.86807	10 38 50.67	+33 58 48.8	17.5 V	046
1984 BC	1997 02 28.87093	10 38 50.64	+33 58 53.1		046
1984 BC	1997 02 28.87285	10 38 50.63	+33 58 56.2		046
1984 BS	1997 03 03.84306	10 12 31.89	+19 46 07.0	16.6 V	046
1984 BS	1997 03 03.86258	10 12 30.76	+19 46 14.6		046
1984 BS	1997 03 03.87015	10 12 30.32	+19 46 17.5		046
1984 BS	1997 03 05.11725	10 11 20.21	+19 54 05.6	16.8 V	046
1984 BS	1997 03 05.12157	10 11 19.98	+19 54 07.1		046
1984 BS	1997 03 05.12372	10 11 19.86	+19 54 07.9		046
1984 BS	1997 03 05.92472	10 10 36.34	+19 58 58.1	16.4 V	046
1984 BS	1997 03 05.92760	10 10 36.18	+19 58 59.1		046
1984 BS	1997 03 05.93038	10 10 36.02	+19 59 00.1		046
1987 OA	1997 03 11.07983	12 36 03.01	-06 09 33.0	18.8 V	046
1987 OA	1997 03 11.08194	12 36 02.61	-06 09 28.1		046
1987 OA	1997 03 11.08463	12 36 02.06	-06 09 21.9		046
1988 VT ₂	1997 03 05.85193	08 26 54.51	+17 24 33.2	18.2 V	046
1988 VT ₂	1997 03 05.85529	08 26 54.42	+17 24 33.6		046
1988 VT ₂	1997 03 05.86084	08 26 54.30	+17 24 34.3		046
1991 VH	1997 03 10.03394	11 46 33.75	+31 17 07.5	16.0 V	046
1991 VH	1997 03 10.03513	11 46 33.62	+31 17 10.4		046
1991 VH	1997 03 10.03640	11 46 33.48	+31 17 13.5		046
1992 CC ₁	1997 03 09.99396	11 30 30.08	-00 17 09.8	16.9 V	r 046
1992 CC ₁	1997 03 09.99664	11 30 29.61	-00 17 11.0		r 046
1992 CC ₁	1997 03 09.99846	11 30 29.27	-00 17 11.9		046
1993 XN ₂	1997 03 02.75556	04 24 25.35	+47 25 36.5	19.2 V	046
1993 XN ₂	1997 03 02.75822	04 24 25.86	+47 25 36.9		046
1993 XN ₂	1997 03 02.76500	04 24 27.07	+47 25 38.9		046
1995 GO	1997 03 11.09309	13 25 29.24	-14 54 51.6	19.4 V	046
1995 GO	1997 03 11.09603	13 25 29.19	-14 54 51.9		046
1995 GO	1997 03 11.09885	13 25 29.11	-14 54 51.7		046
1995 GO	1997 03 11.11910	13 25 28.89	-14 54 51.6	19.3 V	046

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1995 GO	1997 03 11.12219	13 25 28.85	-14 54 51.3		046	1995 UN ₂	1997 03 09.98318	11 25 56.02	+05 22 35.1	18.1 V	046
1995 PB	1997 03 06.02765	10 12 16.50	+03 45 08.6	17.2 V	046	1995 UN ₂	1997 03 09.98524	11 25 55.93	+05 22 35.4		046
1995 PB	1997 03 06.02958	10 12 16.42	+03 45 09.7		046	1995 UN ₂	1997 03 09.98983	11 25 55.71	+05 22 37.3		046
1995 PB	1997 03 06.03169	10 12 16.33	+03 45 10.7		046	1995 UP ₂	1997 03 05.99987	09 14 15.15	+30 15 53.1	17.9 V	046
1995 PB	1997 03 07.88466	10 10 58.99	+04 00 26.9	17.0 V	046	1995 UP ₂	1997 03 06.00185	09 14 15.07	+30 15 52.9		046
1995 PB	1997 03 07.88850	10 10 58.83	+04 00 28.7		046	1995 UP ₂	1997 03 06.00403	09 14 14.99	+30 15 52.6		046
1995 PB	1997 03 07.89059	10 10 58.74	+04 00 29.8		046	1995 UP ₂	1997 03 07.82337	09 13 06.21	+30 11 39.9	18.0 V	046
1995 SZ ₁	1997 03 05.12838	12 15 49.11	-06 10 18.9	18.6 V	046	1995 UP ₂	1997 03 07.82748	09 13 06.06	+30 11 39.2		046
1995 SZ ₁	1997 03 05.14856	12 15 48.06	-06 10 14.0		046	1995 UP ₂	1997 03 07.82990	09 13 05.96	+30 11 39.0		046
1995 SZ ₁	1997 03 05.15117	12 15 47.97	-06 10 13.0		046	1995 UR ₂	1997 03 06.01905	09 59 17.17	+06 03 50.8	18.8 V	046
1995 SZ ₁	1997 03 11.05641	12 10 33.84	-05 42 26.3	18.4 V	046	1995 UR ₂	1997 03 06.02095	09 59 17.04	+06 03 51.4		046
1995 SZ ₁	1997 03 11.05926	12 10 33.77	-05 42 25.2		046	1995 UR ₂	1997 03 06.02368	09 59 16.93	+06 03 52.1		046
1995 SZ ₁	1997 03 11.06541	12 10 33.43	-05 42 23.4		046	1995 UR ₂	1997 03 07.86376	09 57 52.14	+06 12 00.1	18.6 V	046
1995 SA ₂	1997 03 06.10354	11 59 20.57	-03 08 14.3	18.7 V	046	1995 UR ₂	1997 03 07.86572	09 57 52.02	+06 12 00.8		046
1995 SA ₂	1997 03 06.10690	11 59 20.39	-03 08 12.4		046	1995 UR ₂	1997 03 07.86810	09 57 51.90	+06 12 00.1		046
1995 SA ₂	1997 03 06.10858	11 59 20.32	-03 08 12.5		046	1995 UW ₂	1997 03 06.09050	11 59 12.67	-02 23 45.3	19.0 V	046
1995 SA ₂	1997 03 11.03897	11 55 23.99	-02 31 01.7	19.0 V	r 046	1995 UW ₂	1997 03 06.09238	11 59 12.60	-02 23 45.4		046
1995 SA ₂	1997 03 11.04659	11 55 23.59	-02 30 58.1		r 046	1995 UW ₂	1997 03 06.09472	11 59 12.42	-02 23 44.6		046
1995 SA ₂	1997 03 11.04854	11 55 23.52	-02 30 57.4		r 046	1995 UW ₂	1997 03 06.09750	11 59 12.30	-02 23 43.7		046
1995 SN ₃	1997 03 03.90032	08 38 40.57	+20 36 16.1	17.8 V	046	1995 UW ₂	1997 03 10.99152	11 54 53.32	-01 56 33.3	19.2 V	046
1995 SN ₃	1997 03 03.90265	08 38 40.48	+20 36 15.6		046	1995 UW ₂	1997 03 10.99486	11 54 53.07	-01 56 32.5		046
1995 SN ₃	1997 03 03.90549	08 38 40.32	+20 36 15.9		046	1995 UW ₂	1997 03 10.99654	11 54 52.97	-01 56 31.5		046
1995 SN ₃	1997 03 07.78994	08 36 14.90	+20 36 53.0	18.2 V	046	1995 UW ₂	1997 03 10.99991	11 54 52.77	-01 56 30.5		046
1995 SN ₃	1997 03 07.79219	08 36 14.77	+20 36 53.1		046	1995 UW ₂	1997 03 11.00159	11 54 52.73	-01 56 29.6		046
1995 SN ₃	1997 03 07.79517	08 36 14.69	+20 36 52.7		046	1995 WF ₆	1997 03 06.05850	11 19 54.86	+06 24 50.2	18.5 V	046
1995 TF	1997 03 06.00753	09 17 38.85	+32 45 12.3	18.6 V	046	1995 WF ₆	1997 03 06.06017	11 19 54.76	+06 24 50.9		046
1995 TF	1997 03 06.01153	09 17 38.64	+32 45 11.7		046	1995 WF ₆	1997 03 06.06185	11 19 54.66	+06 24 51.3		046
1995 TF	1997 03 06.01443	09 17 38.48	+32 45 10.8		046	1995 WF ₆	1997 03 07.92972	11 18 12.67	+06 36 26.9	18.5 V	046
1995 TF	1997 03 07.83723	09 16 10.40	+32 38 17.5	18.4 V	046	1995 WF ₆	1997 03 07.93373	11 18 12.43	+06 36 28.3		046
1995 TF	1997 03 07.84133	09 16 10.22	+32 38 16.5		046	1995 WF ₆	1997 03 07.93610	11 18 12.36	+06 36 29.2		046
1995 TF	1997 03 07.84381	09 16 10.09	+32 38 15.9		046	1996 FG ₃	1997 03 07.85051	09 21 44.31	+11 21 04.6	17.7 V	046
1995 UO ₁	1997 03 02.05197	13 19 50.46	-04 10 06.7	18.7 V	046	1996 FG ₃	1997 03 07.85459	09 21 43.69	+11 21 07.1		046
1995 UO ₁	1997 03 02.05568	13 19 50.41	-04 10 05.9		046	1996 FG ₃	1997 03 07.85653	09 21 43.40	+11 21 08.5		046
1995 UO ₁	1997 03 02.06096	13 19 50.20	-04 10 04.3		046	1996 RG ₃	1997 03 11.10706	15 15 07.95	-12 37 22.3	19.0 V	046
1995 UO ₁	1997 03 05.16433	13 18 13.61	-03 59 35.9	18.6 V	046	1996 RG ₃	1997 03 11.10980	15 15 07.62	-12 37 20.0		046
1995 UO ₁	1997 03 05.16852	13 18 13.47	-03 59 34.7		046	1996 RG ₃	1997 03 11.11365	15 15 07.10	-12 37 16.0		046
1995 UO ₁	1997 03 05.17103	13 18 13.35	-03 59 34.7		046	1996 TO ₅	1997 03 09.76905	04 47 29.23	+01 51 40.9	18.7 V	t 046
1995 UR ₁	1997 03 02.04213	10 26 30.89	+32 47 00.5	17.5 V	046	1996 TO ₅	1997 03 09.77220	04 47 29.87	+01 51 45.0		t 046
1995 UR ₁	1997 03 02.04480	10 26 30.72	+32 47 00.6		046	1996 TO ₅	1997 03 09.77784	04 47 31.10	+01 51 52.4		t 046
1995 UR ₁	1997 03 02.04675	10 26 30.61	+32 47 00.7		046	1996 TO ₅	1997 03 09.78057	04 47 31.69	+01 51 57.8		t 046
1995 UR ₁	1997 03 06.03649	10 22 19.78	+32 47 53.4	17.4 V	046	1996 TE ₁₁	1997 02 22.77602	05 56 29.21	-12 07 53.5	18.1 V	046
1995 UR ₁	1997 03 06.03836	10 22 19.68	+32 47 53.3		046	1996 TE ₁₁	1997 02 22.77773	05 56 29.43	-12 07 50.9		046
1995 UR ₁	1997 03 06.04057	10 22 19.55	+32 47 53.3		046	1996 TE ₁₁	1997 02 22.77964	05 56 29.69	-12 07 45.9		046
1995 UJ ₂	1997 03 06.07970	11 46 34.42	+03 23 21.7	18.5 V	046	1996 TE ₁₁	1997 02 22.78093	05 56 29.86	-12 07 44.3		046
1995 UJ ₂	1997 03 06.08378	11 46 34.15	+03 23 23.1		046	1996 TE ₁₁	1997 03 09.82279	06 30 00.90	-04 20 00.7	18.5 V	046
1995 UJ ₂	1997 03 06.08588	11 46 34.03	+03 23 24.3		046	1996 TE ₁₁	1997 03 09.82455	06 30 01.12	-04 19 57.1		046
1995 UJ ₂	1997 03 10.00352	11 42 51.25	+03 43 51.9	18.3 V	046	1996 TE ₁₁	1997 03 09.82604	06 30 01.33	-04 19 54.7		046
1995 UJ ₂	1997 03 10.00611	11 42 51.04	+03 43 52.8		046	1996 VU ₆	1997 03 02.74546	04 17 05.42	+24 41 20.4	18.8 V	046
1995 UJ ₂	1997 03 10.01057	11 42 50.81	+03 43 53.7		046	1996 VU ₆	1997 03 02.74816	04 17 05.65	+24 41 21.2		046
1995 UN ₂	1997 03 06.07081	11 28 59.72	+05 00 00.3	18.4 V	046	1996 VU ₆	1997 03 02.75012	04 17 05.82	+24 41 21.5		046
1995 UN ₂	1997 03 06.07273	11 28 59.62	+05 00 01.3		046	1996 XM ₂	1997 03 04.74664	05 53 19.90	+26 15 38.7	18.7 V	046
1995 UN ₂	1997 03 06.07501	11 28 59.53	+05 00 01.9		046	1996 XM ₂	1997 03 04.74903	05 53 20.01	+26 15 39.4		046

1996 XM ₂	1997 03 04.75197	05 53 20.11	+26 15 39.2		046	1997 CQ ₁	1997 02 07.12293	09 07 00.77	+13 06 34.8		046
1996 XM ₂	1997 03 09.79079	05 56 47.09	+26 16 43.6	18.8 V	046	1997 CQ ₁	1997 02 07.12510	09 07 00.68	+13 06 36.0		046
1996 XM ₂	1997 03 09.79247	05 56 47.16	+26 16 44.0		046	1997 CQ ₁	1997 02 10.84902	09 04 13.55	+13 39 46.3	18.2 V	046
1996 XM ₂	1997 03 09.79583	05 56 47.26	+26 16 43.7		046	1997 CQ ₁	1997 02 10.85088	09 04 13.43	+13 39 47.8		046
1996 XS ₁₈	1997 03 04.76130	06 05 16.44	+25 07 20.4	18.9 V	046	1997 CQ ₁	1997 02 10.85300	09 04 13.34	+13 39 48.6		046
1996 XS ₁₈	1997 03 04.76353	06 05 16.51	+25 07 20.3		046	1997 CQ ₁	1997 02 27.99468	08 53 05.16	+16 02 45.9	18.1 V	046
1996 XS ₁₈	1997 03 05.81650	06 05 50.02	+25 07 21.4	18.8 V	046	1997 CQ ₁	1997 02 27.99660	08 53 05.09	+16 02 46.9		046
1996 XS ₁₈	1997 03 05.82115	06 05 50.24	+25 07 21.1		046	1997 CQ ₁	1997 02 27.99873	08 53 05.05	+16 02 47.5		046
1996 XS ₁₈	1997 03 05.82344	06 05 50.33	+25 07 21.1		046	1997 CQ ₁	1997 03 05.95284	08 50 16.33	+16 45 58.4	18.5 V	046
1996 XU ₁₈	1997 03 04.79338	06 44 04.35	+22 48 47.7	17.3 V	046	1997 CQ ₁	1997 03 05.95515	08 50 16.30	+16 45 59.4		046
1996 XU ₁₈	1997 03 04.79506	06 44 04.36	+22 48 47.8		046	1997 CQ ₁	1997 03 05.95734	08 50 16.22	+16 46 00.2		046
1996 XU ₁₈	1997 03 04.79843	06 44 04.41	+22 48 47.9		046	1997 CR ₁	1997 02 03.94882	08 52 11.62	+17 09 09.8	18.0 V	046
1996 XU ₁₈	1997 03 07.76921	06 45 11.69	+22 50 03.9	17.8 V	046	1997 CR ₁	1997 02 03.95553	08 52 11.24	+17 09 11.9		046
1996 XU ₁₈	1997 03 07.77280	06 45 11.79	+22 50 03.1		046	1997 CR ₁	1997 02 03.96196	08 52 10.92	+17 09 13.0		046
1996 XU ₁₈	1997 03 07.77521	06 45 11.89	+22 50 04.1		046	1997 CR ₁	1997 02 07.09125	08 49 30.80	+17 23 19.5	18.2 V	046
1997 AN ₁₇	1997 03 02.77563	06 32 10.41	+15 19 45.2	17.4 V	046	1997 CR ₁	1997 02 07.09315	08 49 30.69	+17 23 20.9		046
1997 AN ₁₇	1997 03 02.77977	06 32 10.51	+15 19 43.8		046	1997 CR ₁	1997 02 07.09561	08 49 30.56	+17 23 21.2		046
1997 AN ₁₇	1997 03 02.78100	06 32 10.56	+15 19 43.5		046	1997 CR ₁	1997 02 07.97240	08 48 46.54	+17 27 14.5	17.9 V	046
1997 AN ₁₇	1997 03 04.81601	06 32 54.40	+15 10 24.8	17.4 V	046	1997 CR ₁	1997 02 07.97438	08 48 46.46	+17 27 15.1		046
1997 AN ₁₇	1997 03 04.81983	06 32 54.47	+15 10 23.6		046	1997 CR ₁	1997 02 07.97705	08 48 46.30	+17 27 16.1		046
1997 BD	1997 03 05.89766	08 36 29.80	+22 04 25.6	19.5 V	046	1997 CR ₁	1997 02 10.83188	08 46 25.27	+17 39 38.6	18.2 V	046
1997 BD	1997 03 05.90244	08 36 29.67	+22 04 25.9		046	1997 CR ₁	1997 02 10.83377	08 46 25.16	+17 39 39.3		046
1997 BD	1997 03 05.90484	08 36 29.61	+22 04 25.9		046	1997 CR ₁	1997 02 10.83736	08 46 25.01	+17 39 40.2		046
1997 BD	1997 03 10.92956	08 34 39.03	+22 06 12.9	19.6 V	F 046	1997 CR ₁	1997 02 27.94581	08 34 45.46	+18 41 49.0	18.8 V	046
1997 BD	1997 03 10.93193	08 34 38.91	+22 06 12.9		F 046	1997 CR ₁	1997 02 27.94819	08 34 45.38	+18 41 49.3		046
1997 BD	1997 03 10.93431	08 34 38.90	+22 06 12.2		F 046	1997 CR ₁	1997 03 03.88856	08 32 53.08	+18 52 29.1	18.4 V	046
1997 BE	1997 02 09.92524	09 05 40.71	+18 37 45.6	19.0 V	046	1997 CR ₁	1997 03 03.89049	08 32 53.03	+18 52 29.0		046
1997 BE	1997 02 09.93110	09 05 40.32	+18 37 45.3		046	1997 CR ₁	1997 03 03.89241	08 32 52.93	+18 52 29.7		046
1997 BE	1997 03 05.91189	08 47 00.16	+18 32 09.7	18.9 V	046	1997 CS ₁	1997 02 07.07385	08 48 30.03	+17 08 36.4	18.7 V	046
1997 BE	1997 03 05.91455	08 47 00.05	+18 32 09.9		046	1997 CS ₁	1997 02 07.07829	08 48 29.67	+17 08 36.0		046
1997 BE	1997 03 05.92031	08 46 59.90	+18 32 09.4		046	1997 CS ₁	1997 02 07.08094	08 48 29.51	+17 08 35.9		046
1997 BE	1997 03 07.80095	08 46 01.12	+18 29 52.9	18.9 V	046	1997 CS ₁	1997 02 07.95369	08 47 32.95	+17 09 55.1	18.2 V	046
1997 BE	1997 03 07.80295	08 46 01.05	+18 29 51.1		046	1997 CS ₁	1997 02 07.95777	08 47 32.69	+17 09 55.5		046
1997 BE	1997 03 07.80828	08 46 00.80	+18 29 52.4		046	1997 CS ₁	1997 02 07.95965	08 47 32.62	+17 09 55.8		046
1997 BG	1997 02 28.81443	09 07 07.19	+28 25 30.6	18.3 V	046	1997 CS ₁	1997 02 07.98412	08 47 30.95	+17 09 57.5		046
1997 BG	1997 02 28.81865	09 07 06.93	+28 25 34.7		046	1997 CS ₁	1997 02 07.98611	08 47 30.80	+17 09 57.9		046
1997 BG	1997 02 28.82091	09 07 06.79	+28 25 36.8		046	1997 CS ₁	1997 02 07.98796	08 47 30.65	+17 09 58.1		046
1997 BG	1997 03 07.81257	09 01 01.48	+29 58 20.2	18.2 V	046	1997 CU ₁	1997 02 06.85279	06 40 51.82	+20 48 47.6		046
1997 BG	1997 03 07.81454	09 01 01.39	+29 58 22.0		046	1997 CU ₁	1997 02 06.90723	06 40 50.55	+20 48 49.6		046
1997 BG	1997 03 07.81656	09 01 01.31	+29 58 23.3		046	1997 CU ₁	1997 02 07.91100	06 40 30.26	+20 49 36.6	18.0 V	046
1997 BR	1997 02 28.85420	09 16 25.65	+54 42 16.8	17.1 V	046	1997 CU ₁	1997 02 07.91307	06 40 30.22	+20 49 36.6		046
1997 BR	1997 02 28.85549	09 16 25.44	+54 42 19.7		046	1997 CU ₁	1997 02 07.91553	06 40 30.16	+20 49 36.8		046
1997 BR	1997 02 28.85714	09 16 25.17	+54 42 23.5		046	1997 CU ₁	1997 02 07.91772	06 40 30.14	+20 49 36.9		046
1997 BR	1997 02 28.85933	09 16 24.83	+54 42 28.7		046	1997 CU ₁	1997 02 10.76200	06 39 44.91	+20 51 42.1	18.3 V	046
1997 BR	1997 03 08.94877	08 56 08.61	+59 17 34.4	17.6 V	046	1997 CU ₁	1997 02 10.76436	06 39 44.92	+20 51 42.6		046
1997 BR	1997 03 08.95137	08 56 08.21	+59 17 39.0		046	1997 CU ₁	1997 02 10.77948	06 39 44.68	+20 51 44.5		046
1997 BR	1997 03 08.95418	08 56 07.67	+59 17 44.0		046	1997 CV ₁	1997 02 06.90359	07 11 14.23	+23 00 36.8	17.9 V	046
1997 BR	1997 03 08.95624	08 56 07.27	+59 17 47.8		046	1997 CV ₁	1997 02 07.92206	07 10 27.41	+23 02 47.6	17.8 V	046
1997 CQ ₁	1997 02 03.96660	09 09 24.77	+12 38 22.7	17.8 V	046	1997 CV ₁	1997 02 07.92397	07 10 27.33	+23 02 47.8		046
1997 CQ ₁	1997 02 03.97036	09 09 24.59	+12 38 24.4		046	1997 CV ₁	1997 02 07.92583	07 10 27.24	+23 02 48.0		046
1997 CQ ₁	1997 02 03.97225	09 09 24.50	+12 38 25.4		046	1997 CV ₁	1997 02 10.78485	07 08 26.53	+23 08 27.2	18.0 V	046
1997 CQ ₁	1997 02 07.12076	09 07 00.87	+13 06 33.8	17.7 V	046	1997 CV ₁	1997 02 10.78932	07 08 26.35	+23 08 27.0		046

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1997 CV ₁	1997 02 10.79146	07 08 26.24	+23 08 28.4		046	1997 CW ₅	1997 02 28.83705	09 12 13.91	+21 47 30.8	18.1 V	046
1997 CW ₁	1997 02 06.95255	09 31 53.08	+20 52 02.2	17.8 V	046	1997 CW ₅	1997 02 28.84156	09 12 13.70	+21 47 30.3		046
1997 CW ₁	1997 02 06.95547	09 31 52.91	+20 52 03.5		046	1997 CW ₅	1997 03 05.96927	09 08 39.10	+21 39 24.1	18.4 V	046
1997 CW ₁	1997 02 06.95812	09 31 52.76	+20 52 05.1		046	1997 CW ₅	1997 03 05.97169	09 08 39.00	+21 39 23.4		046
1997 CW ₁	1997 02 10.92190	09 28 08.15	+21 26 52.8		046	1997 CW ₅	1997 03 05.97433	09 08 38.86	+21 39 23.0		046
1997 CW ₁	1997 02 10.92377	09 28 08.04	+21 26 53.8		046	1997 CW ₅	1997 03 08.90323	09 06 52.64	+21 33 27.2	18.3 V	046
1997 CW ₁	1997 02 10.92622	09 28 07.85	+21 26 55.7		046	1997 CW ₅	1997 03 08.90705	09 06 52.53	+21 33 26.6		046
1997 CW ₁	1997 03 02.01954	09 12 09.61	+23 37 56.6	18.3 V	046	1997 CW ₅	1997 03 08.91325	09 06 52.32	+21 33 26.1		046
1997 CW ₁	1997 03 02.02163	09 12 09.52	+23 37 57.3		046	1997 CZ ₅	1997 02 22.76478	05 06 10.69	+13 19 15.8	15.5 V	046
1997 CW ₁	1997 03 02.02828	09 12 09.26	+23 37 59.2		046	1997 CZ ₅	1997 02 22.76671	05 06 10.98	+13 19 13.4		046
1997 CW ₁	1997 03 05.97737	09 09 48.29	+23 55 25.1	18.6 V	046	1997 CZ ₅	1997 02 22.76794	05 06 11.16	+13 19 11.8		046
1997 CW ₁	1997 03 05.97983	09 09 48.20	+23 55 25.4		046	1997 CZ ₅	1997 02 28.76704	05 21 01.30	+11 20 05.2	15.9 V	046
1997 CW ₁	1997 03 05.98214	09 09 48.13	+23 55 26.2		046	1997 CZ ₅	1997 02 28.76822	05 21 01.47	+11 20 03.8		046
1997 CM ₄	1997 02 09.96994	09 27 48.05	+20 50 56.6	18.1 V	046	1997 CZ ₅	1997 02 28.76948	05 21 01.66	+11 20 02.4		046
1997 CM ₄	1997 02 09.97198	09 27 47.90	+20 50 56.9		046	1997 CZ ₅	1997 03 09.75962	05 43 04.68	+08 46 41.8	16.1 V	046
1997 CM ₄	1997 02 09.97426	09 27 47.73	+20 50 57.8		046	1997 CZ ₅	1997 03 09.76097	05 43 04.88	+08 46 40.4		046
1997 CM ₄	1997 02 10.88676	09 26 44.66	+20 53 37.0	18.2 V	046	1997 CZ ₅	1997 03 09.76226	05 43 05.06	+08 46 39.3		046
1997 CM ₄	1997 02 10.88875	09 26 44.52	+20 53 37.4		046	1997 CM ₁₃	1997 02 10.97213	09 26 39.69	+21 05 28.2	18.9 V	046
1997 CM ₄	1997 02 10.89269	09 26 44.23	+20 53 38.2		046	1997 CM ₁₃	1997 02 10.97604	09 26 39.47	+21 05 29.3		046
1997 CM ₄	1997 03 01.97505	09 07 30.52	+21 21 18.7	18.7 V	046	1997 CM ₁₃	1997 02 10.98181	09 26 39.00	+21 05 31.7		046
1997 CM ₄	1997 03 01.97760	09 07 30.41	+21 21 19.2		046	1997 CN ₁₃	1997 02 10.81463	08 44 28.67	+17 42 46.8	17.4 V	046
1997 CM ₄	1997 03 01.97951	09 07 30.31	+21 21 19.9		046	1997 CN ₁₃	1997 02 10.81672	08 44 28.54	+17 42 47.4		046
1997 CM ₄	1997 03 05.96207	09 04 36.43	+21 19 56.6	18.8 V	046	1997 CN ₁₃	1997 02 10.81895	08 44 28.42	+17 42 48.3		046
1997 CM ₄	1997 03 05.96638	09 04 36.26	+21 19 56.8		046	1997 CN ₁₃	1997 02 17.80929	08 38 03.56	+18 27 53.3	17.7 V	046
1997 CO ₅	1997 02 28.77671	08 44 56.54	+10 56 05.7	18.2 V	046	1997 CN ₁₃	1997 02 17.81520	08 38 03.24	+18 27 55.5		046
1997 CO ₅	1997 02 28.77866	08 44 56.39	+10 56 03.5		046	1997 CN ₁₃	1997 02 17.81815	08 38 03.06	+18 27 56.8		046
1997 CO ₅	1997 02 28.78274	08 44 56.29	+10 56 00.5		046	1997 CN ₁₃	1997 02 27.88493	08 30 29.98	+19 23 44.4	17.9 V	046
1997 CT ₅	1997 02 09.82491	08 01 29.49	+24 13 38.8	17.2 V	046	1997 CN ₁₃	1997 02 27.88603	08 30 29.94	+19 23 44.1		046
1997 CT ₅	1997 02 09.82865	08 01 29.28	+24 13 38.2		046	1997 CN ₁₃	1997 02 27.90252	08 30 29.28	+19 23 48.3		046
1997 CT ₅	1997 02 09.83056	08 01 29.17	+24 13 38.1		046	1997 CN ₁₃	1997 02 27.90388	08 30 29.20	+19 23 48.7		046
1997 CT ₅	1997 02 10.79597	08 00 36.10	+24 11 25.3	17.1 V	046	1997 CN ₁₃	1997 03 05.83801	08 27 14.28	+19 50 42.6	17.9 V	046
1997 CT ₅	1997 02 10.79970	08 00 35.91	+24 11 24.8		046	1997 CN ₁₃	1997 03 05.84356	08 27 14.12	+19 50 44.3		046
1997 CT ₅	1997 02 10.80183	08 00 35.77	+24 11 24.5		046	1997 CN ₁₃	1997 03 05.84656	08 27 14.02	+19 50 45.2		046
1997 CT ₅	1997 02 15.86363	07 56 26.70	+23 58 13.5	17.2 V	046	1997 CN ₁₃	1997 03 08.88168	08 25 57.52	+20 02 40.5	18.1 V	046
1997 CT ₅	1997 02 15.86576	07 56 26.61	+23 58 13.3		046	1997 CN ₁₃	1997 03 08.89002	08 25 57.29	+20 02 43.4		046
1997 CT ₅	1997 02 15.86801	07 56 26.49	+23 58 12.8		046	1997 CN ₁₃	1997 03 08.89249	08 25 57.26	+20 02 42.7		046
1997 CT ₅	1997 02 27.86748	07 50 16.90	+23 17 59.0	17.6 V	046	1997 CO ₁₃	1997 02 10.96060	08 46 58.27	+17 12 37.6	18.9 V	046
1997 CT ₅	1997 02 27.87373	07 50 16.77	+23 17 58.0		046	1997 CO ₁₃	1997 02 10.96818	08 46 57.81	+17 12 39.0		046
1997 CT ₅	1997 02 27.87789	07 50 16.70	+23 17 56.9		046	1997 CF ₁₇	1997 03 10.88663	08 54 01.05	+13 41 59.7	18.4 V	046
1997 CT ₅	1997 03 05.82804	07 49 14.54	+22 54 23.2	17.6 V	046	1997 CF ₁₇	1997 03 10.88949	08 54 01.00	+13 41 59.9		046
1997 CT ₅	1997 03 05.82993	07 49 14.57	+22 54 22.5		046	1997 CF ₁₇	1997 03 10.89194	08 54 01.02	+13 42 00.2		046
1997 CT ₅	1997 03 08.84839	07 49 13.34	+22 41 41.1	17.8 V	046	1997 CF ₁₇	1997 03 10.89416	08 54 00.90	+13 42 00.6		046
1997 CT ₅	1997 03 08.85635	07 49 13.38	+22 41 39.5		046	1997 CF ₁₇	1997 03 11.82605	08 53 41.81	+13 43 17.1	18.4 V	046
1997 CU ₅	1997 03 09.85903	08 29 24.94	+20 04 07.4	18.7 V	046	1997 CF ₁₇	1997 03 11.82829	08 53 41.77	+13 43 17.6		046
1997 CU ₅	1997 03 09.86406	08 29 24.90	+20 04 08.7		046	1997 CF ₁₇	1997 03 11.83041	08 53 41.72	+13 43 17.5		046
1997 CU ₅	1997 03 09.86891	08 29 24.86	+20 04 09.7		046	1997 CF ₁₇	1997 03 11.83310	08 53 41.69	+13 43 17.9		046
1997 CW ₅	1997 02 09.98574	09 29 05.09	+21 51 51.2	17.9 V	046	1997 CF ₁₇	1997 03 11.83641	08 53 41.57	+13 43 18.1		046
1997 CW ₅	1997 02 09.98894	09 29 04.90	+21 51 51.3		046	1997 CU ₂₆	1997 02 17.76541	08 30 01.22	+15 35 54.1		046
1997 CW ₅	1997 02 09.99100	09 29 04.79	+21 51 51.7		046	1997 CU ₂₆	1997 02 17.76664	08 30 01.24	+15 35 54.1		046
1997 CW ₅	1997 02 10.94955	09 28 08.50	+21 52 33.7	17.7 V	046	1997 CU ₂₆	1997 02 17.79965	08 30 00.77	+15 35 55.6		046
1997 CW ₅	1997 02 10.95142	09 28 08.39	+21 52 33.7		046	1997 CU ₂₆	1997 02 17.80144	08 30 00.75	+15 35 55.2		046
1997 CW ₅	1997 02 10.95330	09 28 08.29	+21 52 33.6		046	1997 CU ₂₆	1997 02 22.80580	08 28 58.44	+15 37 37.5	17.9 R	046

1997 CU ₂₆	1997 02 22.80845	08 28 58.43	+15 37 37.7	046	1997 ES ₁	1997 03 03.86755	10 12 44.86	+19 50 39.2	046
1997 CU ₂₆	1997 02 22.80979	08 28 58.42	+15 37 37.4	046	1997 ES ₁	1997 03 03.87015	10 12 44.72	+19 50 38.7	046
1997 CU ₂₆	1997 02 22.84721	08 28 57.96	+15 37 39.0	046	1997 ES ₁	1997 03 05.92472	10 10 55.26	+19 59 05.7	18.8 V 046
1997 CU ₂₆	1997 02 22.84929	08 28 57.94	+15 37 38.3	046	1997 ES ₁	1997 03 05.92760	10 10 55.15	+19 59 06.1	046
1997 CU ₂₆	1997 02 22.85138	08 28 57.91	+15 37 38.5	046	1997 ES ₁	1997 03 05.93038	10 10 54.99	+19 59 07.6	046
1997 CU ₂₆	1997 02 23.73420	08 28 47.37	+15 37 56.3	17.5 R 046	1997 ET ₁	* 1997 03 04.76130	06 05 32.68	+25 07 25.8	18.4 V 046
1997 CU ₂₆	1997 02 23.73550	08 28 47.36	+15 37 55.8	046	1997 ET ₁	1997 03 04.76353	06 05 32.77	+25 07 26.0	046
1997 CU ₂₆	1997 02 23.73799	08 28 47.35	+15 37 55.7	046	1997 ET ₁	1997 03 04.76583	06 05 32.87	+25 07 26.0	046
1997 CU ₂₆	1997 02 23.74241	08 28 47.29	+15 37 55.8	046	1997 ET ₁	1997 03 04.80917	06 05 34.10	+25 07 26.1	18.4 V 046
1997 CU ₂₆	1997 02 23.74587	08 28 47.27	+15 37 56.1	046	1997 ET ₁	1997 03 04.81208	06 05 34.20	+25 07 26.2	046
1997 CU ₂₆	1997 02 23.74958	08 28 47.20	+15 37 55.1	046	1997 ET ₁	1997 03 05.81650	06 06 05.77	+25 07 33.2	18.3 V 046
1997 CU ₂₆	1997 02 24.89933	08 28 33.65	+15 38 18.0	17.3 R 046	1997 ET ₁	1997 03 05.81841	06 06 05.81	+25 07 32.9	046
1997 CU ₂₆	1997 02 24.90078	08 28 33.61	+15 38 17.9	046	1997 ET ₁	1997 03 05.82115	06 06 05.93	+25 07 33.3	046
1997 CU ₂₆	1997 02 24.90300	08 28 33.59	+15 38 18.6	046	1997 ET ₁	1997 03 05.82344	06 06 06.00	+25 07 33.1	046
1997 CU ₂₆	1997 02 24.90459	08 28 33.52	+15 38 18.0	16.9 R 046	1997 EJ ₆	* 1997 03 06.00753	09 17 10.17	+32 43 04.3	17.8 V 046
1997 CU ₂₆	1997 02 26.75701	08 28 12.31	+15 38 52.2	17.6 V 046	1997 EJ ₆	1997 03 06.00940	09 17 10.10	+32 43 04.1	046
1997 CU ₂₆	1997 02 26.76619	08 28 12.21	+15 38 51.9	046	1997 EJ ₆	1997 03 06.01153	09 17 10.04	+32 43 03.9	046
1997 CU ₂₆	1997 02 26.77194	08 28 12.13	+15 38 52.2	046	1997 EJ ₆	1997 03 06.01443	09 17 09.88	+32 43 03.9	046
1997 CU ₂₆	1997 02 26.79253	08 28 11.88	+15 38 52.0	046	1997 EJ ₆	1997 03 07.83723	09 16 01.24	+32 41 18.2	18.0 V 046
1997 CU ₂₆	1997 02 27.85619	08 27 59.91	+15 39 12.5	17.7 R 046	1997 EJ ₆	1997 03 07.83939	09 16 01.16	+32 41 18.0	046
1997 CU ₂₆	1997 02 27.85738	08 27 59.91	+15 39 11.8	046	1997 EJ ₆	1997 03 07.84133	09 16 01.11	+32 41 18.1	046
1997 CU ₂₆	1997 02 27.85853	08 27 59.86	+15 39 11.8	046	1997 EJ ₆	1997 03 07.84381	09 16 01.00	+32 41 17.9	046
1997 CU ₂₆	1997 02 27.86050	08 27 59.88	+15 39 12.3	046	1997 EK ₆	* 1997 03 06.03649	10 21 58.20	+32 43 55.8	18.5 V 046
1997 CU ₂₆	1997 02 28.75444	08 27 50.06	+15 39 26.8	17.7 V 046	1997 EK ₆	1997 03 06.03836	10 21 58.08	+32 43 56.2	046
1997 CU ₂₆	1997 02 28.75569	08 27 50.03	+15 39 27.0	046	1997 EK ₆	1997 03 06.04057	10 21 57.96	+32 43 57.1	046
1997 CU ₂₆	1997 02 28.75770	08 27 50.03	+15 39 27.1	046	1997 EK ₆	1997 03 07.89978	10 20 17.14	+32 49 48.5	18.6 V 046
1997 CU ₂₆	1997 02 28.75941	08 27 49.98	+15 39 27.1	046	1997 EK ₆	1997 03 07.90207	10 20 17.02	+32 49 48.9	046
1997 CU ₂₆	1997 03 02.80169	08 27 28.06	+15 40 00.6	17.3 V 046	1997 EK ₆	1997 03 07.90428	10 20 16.82	+32 49 49.4	046
1997 CU ₂₆	1997 03 02.80369	08 27 28.04	+15 40 00.4	046	1997 EL ₆	* 1997 03 06.07970	11 46 35.75	+03 19 39.4	18.0 V 046
1997 CU ₂₆	1997 03 02.80568	08 27 27.98	+15 40 01.0	046	1997 EL ₆	1997 03 06.08157	11 46 35.66	+03 19 39.7	046
1997 CU ₂₆	1997 03 02.80766	08 27 27.97	+15 40 00.9	046	1997 EL ₆	1997 03 06.08378	11 46 35.56	+03 19 40.5	046
1997 CU ₂₆	1997 03 05.80432	08 26 57.40	+15 40 46.3	17.5 V 046	1997 EL ₆	1997 03 06.08588	11 46 35.47	+03 19 40.7	046
1997 CU ₂₆	1997 03 05.80646	08 26 57.40	+15 40 46.4	046	1997 EL ₆	1997 03 07.91966	11 45 15.61	+03 26 45.2	17.8 V 046
1997 CU ₂₆	1997 03 05.80912	08 26 57.35	+15 40 46.4	046	1997 EL ₆	1997 03 07.92161	11 45 15.53	+03 26 45.6	046
1997 CU ₂₆	1997 03 05.81170	08 26 57.34	+15 40 46.5	046	1997 EL ₆	1997 03 07.92448	11 45 15.43	+03 26 46.5	046
1997 CU ₂₆	1997 03 09.89696	08 26 18.88	+15 41 40.6	17.7 V 046	1997 EF ₁₈	* 1997 03 10.78264	06 47 14.72	+21 01 51.9	18.8 V 046
1997 CU ₂₆	1997 03 09.90125	08 26 18.83	+15 41 40.7	046	1997 EF ₁₈	1997 03 10.78464	06 47 14.83	+21 01 52.3	046
1997 CU ₂₆	1997 03 09.90554	08 26 18.81	+15 41 40.6	046	1997 EF ₁₈	1997 03 10.78909	06 47 15.12	+21 01 52.8	046
1997 DF	1997 03 03.87691	08 43 30.95	+21 35 21.0	18.7 V 046	1997 EF ₁₈	1997 03 10.79156	06 47 15.22	+21 01 52.7	046
1997 DF	1997 03 03.87859	08 43 30.93	+21 35 23.9	046	1997 EF ₁₈	1997 03 11.78578	06 48 10.45	+21 02 37.8	18.9 V 046
1997 DF	1997 03 03.88027	08 43 30.91	+21 35 26.2	046	1997 EF ₁₈	1997 03 11.79216	06 48 10.76	+21 02 37.5	046
1997 DF	1997 03 03.88358	08 43 30.91	+21 35 31.9	046	1997 EF ₁₈	1997 03 11.79564	06 48 11.03	+21 02 36.2	046
1997 DF	1997 03 05.88845	08 43 23.63	+22 21 58.3	18.6 V 046	1997 EF ₁₈	1997 03 11.79963	06 48 11.20	+21 02 37.6	046
1997 DF	1997 03 05.89039	08 43 23.60	+22 22 00.4	046	(528)	1997 01 13.90278	08 56 37.91	+34 44 49.3	046
1997 DF	1997 03 05.89302	08 43 23.59	+22 22 03.9	046	(528)	1997 01 13.92361	08 56 36.90	+34 44 55.5	046
1997 DF	1997 03 09.91019	08 43 45.48	+23 45 42.5	18.8 V 046	(1054)	1997 03 01.85764	10 52 09.90	+23 17 48.3	046
1997 DF	1997 03 09.91206	08 43 45.61	+23 45 44.5	046	(1054)	1997 03 01.87500	10 52 09.08	+23 17 53.9	046
1997 DF	1997 03 09.91446	08 43 45.62	+23 45 46.9	046	(5417)	1997 03 09.97387	10 36 56.18	+06 46 58.6	16.6 V 046
1997 ES ₁	* 1997 03 03.84306	10 12 46.16	+19 50 32.1	18.6 V 046	(5417)	1997 03 09.97586	10 36 56.06	+06 46 59.2	046
1997 ES ₁	1997 03 03.84826	10 12 45.89	+19 50 33.5	046	(5417)	1997 03 09.97775	10 36 55.96	+06 46 59.9	046
1997 ES ₁	1997 03 03.85453	10 12 45.56	+19 50 34.5	046					
1997 ES ₁	1997 03 03.86258	10 12 45.08	+19 50 36.4	18.8 V 046					

1997 MAR. 24

M.P.C. 29181

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Yugoslavia

Observers V. Protitch-Benishek, Vl. Benishek

0.14-m $f/10$ Askania astrograph + CCD

(1093)	1997 03 10.99288	14 42 49.56	+03 39 58.7	057
(1093)	1997 03 10.99677	14 42 49.57	+03 40 02.1	057
(1093)	1997 03 11.93237	14 42 34.85	+03 41 37.2	057
(1093)	1997 03 11.93997	14 42 34.54	+03 41 37.0	057
(1093)	1997 03 12.03285	14 42 33.34	+03 41 44.6	057
(1093)	1997 03 12.04183	14 42 32.94	+03 41 45.5	057

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(VI), Italy [munari@astras.pd.astro.it]

Observer U. Munari

Measurers M. Tombelli, G. Forti

0.67-m $f/3.2$ Schmidt

1985 PX	1997 02 07.05729	09 45 55.97	+12 32 19.8	098
1985 PX	1997 02 07.07813	09 45 54.70	+12 32 28.6	098
1985 PX	1997 02 07.96756	09 45 00.00	+12 39 02.4	098
1985 PX	1997 02 07.98839	09 44 58.73	+12 39 11.6	17.5 V 098
1990 GN	1997 02 07.05729	09 46 35.29	+15 32 42.9	098
1990 GN	1997 02 07.07813	09 46 34.01	+15 32 47.8	098
1990 GN	1997 02 07.96756	09 45 41.70	+15 36 25.4	098
1990 GN	1997 02 07.98839	09 45 40.43	+15 36 30.9	17.0 V 098
1995 SO ₂₉	1997 01 30.92646	08 45 13.20	+17 30 29.2	098
1995 SO ₂₉	1997 01 30.94697	08 45 12.10	+17 30 35.3	098
1995 SO ₂₉	1997 01 31.83785	08 44 27.27	+17 33 58.6	098
1995 SO ₂₉	1997 01 31.85868	08 44 26.42	+17 34 00.9	098
1995 SO ₂₉	1997 02 07.01250	08 39 21.50	+17 56 44.6	098
1995 SO ₂₉	1997 02 07.03333	08 39 20.55	+17 56 47.9	18.0 V 098
1995 SO ₂₉	1997 02 07.91617	08 38 38.20	+17 59 57.2	098
1995 SO ₂₉	1997 02 07.93700	08 38 37.21	+18 00 01.2	098
1997 AV ₄	1997 01 30.92646	08 45 22.10	+17 22 32.0	098
1997 AV ₄	1997 01 30.94697	08 45 20.97	+17 22 40.7	098
1997 AV ₄	1997 01 31.83785	08 44 33.81	+17 28 10.0	098
1997 AV ₄	1997 01 31.85868	08 44 32.79	+17 28 15.7	098
1997 AV ₄	1997 02 07.01250	08 39 09.49	+18 05 36.7	098
1997 AV ₄	1997 02 07.91617	08 38 23.34	+18 10 57.4	098
1997 AV ₄	1997 02 07.93700	08 38 22.30	+18 11 03.4	17.0 V 098
1997 AV ₅	1997 01 30.92646	08 44 46.44	+17 28 03.2	098
1997 AV ₅	1997 01 30.94697	08 44 45.02	+17 28 06.8	098
1997 AV ₅	1997 01 31.83785	08 43 45.45	+17 30 03.8	098
1997 AV ₅	1997 01 31.85868	08 43 44.21	+17 30 04.3	098
1997 AV ₅	1997 02 07.01250	08 36 58.07	+17 43 03.7	098
1997 AV ₅	1997 02 07.03333	08 36 56.70	+17 43 04.4	17.5 V 098
1997 AV ₅	1997 02 07.91617	08 36 00.46	+17 44 49.5	098
1997 AV ₅	1997 02 07.93700	08 35 59.19	+17 44 51.4	098
1997 AN ₂₁	1997 02 07.01250	08 30 53.84	+19 25 20.7	098
1997 AN ₂₁	1997 02 07.03333	08 30 52.30	+19 25 15.3	17.0 V 098
1997 AN ₂₁	1997 02 07.91617	08 29 55.81	+19 22 43.8	098

1997 AN ₂₁	1997 02 07.93700	08 29 54.43	+19 22 38.7	098
1997 BZ ₂	1997 02 07.05729	09 46 12.83	+12 35 57.8	098
1997 BZ ₂	1997 02 07.07813	09 46 11.70	+12 36 05.8	098
1997 BZ ₂	1997 02 07.96756	09 45 24.14	+12 41 47.3	098
1997 BZ ₂	1997 02 07.98839	09 45 22.93	+12 41 56.5	17.5 V 098
1997 BX ₆	1997 02 07.01250	08 31 26.44	+20 12 12.3	098
1997 BX ₆	1997 02 07.03333	08 31 25.08	+20 12 13.6	098
1997 BX ₆	1997 02 07.91617	08 30 26.01	+20 14 06.3	098
1997 BX ₆	1997 02 07.93700	08 30 24.85	+20 14 07.3	098
1997 BB ₉	* 1997 01 31.92465	10 46 05.48	+09 33 15.0	098
1997 BB ₉	1997 01 31.94547	10 46 04.86	+09 33 14.3	098
1997 BB ₉	1997 02 07.10104	10 42 16.52	+09 40 39.0	098
1997 BB ₉	1997 02 07.12188	10 42 15.50	+09 40 41.5	098
1997 BB ₉	1997 02 08.01552	10 41 37.49	+09 42 07.7	098
1997 BB ₉	1997 02 08.03641	10 41 36.52	+09 42 09.8	17.8 V 098
1997 BC ₉	* 1997 01 31.92465	10 47 05.33	+08 51 18.8	098
1997 BC ₉	1997 01 31.94547	10 47 04.53	+08 51 24.4	098
1997 BC ₉	1997 02 07.10104	10 42 17.15	+09 29 57.3	098
1997 BC ₉	1997 02 07.12188	10 42 16.14	+09 30 05.2	098
1997 BC ₉	1997 02 08.01552	10 41 30.91	+09 36 03.3	098
1997 BC ₉	1997 02 08.03641	10 41 29.85	+09 36 11.4	18.0 V 098
1997 BD ₉	* 1997 01 31.92465	10 48 51.67	+09 59 32.4	098
1997 BD ₉	1997 01 31.94547	10 48 51.18	+09 59 36.3	098
1997 BD ₉	1997 02 07.10104	10 45 27.14	+10 27 11.9	098
1997 BD ₉	1997 02 07.12188	10 45 26.31	+10 27 17.8	098
1997 BD ₉	1997 02 08.01552	10 44 53.72	+10 31 36.6	098
1997 BD ₉	1997 02 08.03641	10 44 52.89	+10 31 42.4	17.5 V 098
1997 BE ₉	* 1997 01 30.97112	09 45 54.15	+14 23 47.1	098
1997 BE ₉	1997 01 30.97980	09 45 53.31	+14 23 41.6	098
1997 BE ₉	1997 01 30.98848	09 45 52.45	+14 23 37.3	098
1997 BE ₉	1997 02 07.04861	09 34 20.02	+13 27 55.8	098
1997 BE ₉	1997 02 07.05729	09 34 19.32	+13 27 52.1	098
1997 BE ₉	1997 02 07.06597	09 34 18.41	+13 27 46.9	098
1997 BE ₉	1997 02 07.07813	09 34 17.15	+13 27 41.1	098
1997 BE ₉	1997 02 07.95888	09 32 50.06	+13 20 48.2	098
1997 BE ₉	1997 02 07.96756	09 32 49.17	+13 20 42.9	098
1997 BE ₉	1997 02 07.97624	09 32 48.17	+13 20 36.4	098
1997 BE ₉	1997 02 07.98839	09 32 47.04	+13 20 31.3	17.5 V 098
1997 BF ₉	* 1997 01 30.97980	09 46 32.81	+12 25 57.9	098
1997 BF ₉	1997 02 07.05729	09 41 02.74	+12 54 44.7	098
1997 BF ₉	1997 02 07.07813	09 41 01.80	+12 54 50.1	098
1997 BF ₉	1997 02 07.96756	09 40 18.82	+12 58 34.5	098
1997 BF ₉	1997 02 07.98839	09 40 17.83	+12 58 40.2	17.5 V 098
1997 BG ₉	* 1997 01 30.97980	09 48 13.00	+13 26 25.9	098
1997 BG ₉	1997 02 07.05729	09 42 12.98	+13 54 27.0	098
1997 BG ₉	1997 02 07.07813	09 42 11.88	+13 54 32.5	098
1997 BG ₉	1997 02 07.96756	09 41 25.45	+13 58 08.2	098
1997 BG ₉	1997 02 07.98839	09 41 24.42	+13 58 12.9	17.5 V 098
1997 BH ₉	* 1997 01 30.97980	09 48 33.80	+13 31 20.3	098
1997 BH ₉	1997 02 07.05729	09 42 51.96	+14 07 35.0	098
1997 BH ₉	1997 02 07.07813	09 42 50.83	+14 07 43.5	098
1997 BH ₉	1997 02 07.96756	09 42 06.59	+14 12 19.7	098

1997 BH ₉	1997 02 07.98839	09 42 05.47	+14 12 25.9	18.0 V	098
1997 BJ ₉	* 1997 01 31.92465	10 51 40.37	+09 45 43.2		098
1997 BJ ₉	1997 01 31.94547	10 51 39.67	+09 45 46.0		098
1997 BJ ₉	1997 02 07.10104	10 46 54.33	+10 09 51.4		098
1997 BJ ₉	1997 02 07.12188	10 46 53.25	+10 09 58.0		098
1997 BJ ₉	1997 02 08.01552	10 46 07.60	+10 13 48.6		098
1997 BJ ₉	1997 02 08.03641	10 46 06.53	+10 13 53.1	17.5 V	098
1997 CQ ₁₆	1997 01 30.92646	08 39 54.45	+18 18 02.5		098
1997 CQ ₁₆	1997 01 30.94697	08 39 53.08	+18 18 10.6		098
1997 CQ ₁₆	1997 01 31.83785	08 38 57.04	+18 23 16.2		098
1997 CQ ₁₆	1997 01 31.85868	08 38 56.02	+18 23 21.1		098
1997 CQ ₁₆	1997 02 07.01250	08 32 36.11	+18 57 20.3		098
1997 CQ ₁₆	1997 02 07.03333	08 32 34.89	+18 57 25.2	18.0 V	098
1997 CQ ₁₆	1997 02 07.91617	08 31 42.40	+19 02 06.3		098
1997 CQ ₁₆	1997 02 07.93700	08 31 41.28	+19 02 11.1		098
1997 CK ₂₉	1997 02 07.10104	10 48 12.53	+07 42 46.1		098
1997 CK ₂₉	1997 02 07.12188	10 48 11.47	+07 42 50.8		098
1997 CK ₂₉	1997 02 08.01552	10 47 28.10	+07 46 25.8		098
1997 CK ₂₉	1997 02 08.03641	10 47 27.10	+07 46 29.8	17.5 V	098
1997 CO ₂₉	* 1997 02 07.10104	10 47 51.25	+10 41 23.6		098
1997 CO ₂₉	1997 02 07.12188	10 47 50.35	+10 41 32.3	18.0 V	098
1997 CO ₂₉	1997 02 08.01552	10 47 17.24	+10 48 50.3		098
1997 CO ₂₉	1997 02 08.03641	10 47 16.33	+10 48 59.8	18.0 V	098

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

0.40-m *f*/5 reflector + CCD

GSC

1977 QH ₃	1997 02 20.75062	05 30 05.60	+19 30 26.2		104
1977 QH ₃	1997 02 20.75492	05 30 05.88	+19 30 28.1		104
1977 QH ₃	1997 02 20.75937	05 30 06.15	+19 30 29.8		104
1978 ST ₇	1997 02 27.86759	07 34 08.23	+23 15 33.6		104
1978 ST ₇	1997 02 27.88618	07 34 08.23	+23 15 29.0		104
1978 ST ₇	1997 02 27.91847	07 34 08.25	+23 15 21.3		104
1978 UF ₆	1997 03 03.79306	08 18 22.09	+26 55 06.0		104
1978 UF ₆	1997 03 03.79792	08 18 21.96	+26 55 05.6		104
1978 UF ₆	1997 03 03.80208	08 18 21.81	+26 55 05.2		104
1981 EF ₃₇	1997 03 10.88692	10 18 20.66	+21 25 31.5		104
1981 EF ₃₇	1997 03 10.89167	10 18 20.36	+21 25 31.2		104
1981 EF ₃₇	1997 03 10.89653	10 18 20.08	+21 25 30.8		104
1985 RU ₂	1997 03 10.90902	10 20 18.50	+13 13 11.4		104
1985 RU ₂	1997 03 10.91597	10 20 18.11	+13 13 13.2		104
1985 RU ₂	1997 03 10.92014	10 20 17.90	+13 13 14.5		104
1986 WO ₉	1997 02 28.86979	08 43 20.09	+14 02 04.9		104
1986 WO ₉	1997 02 28.87815	08 43 19.80	+14 02 06.8		104
1986 WO ₉	1997 02 28.88177	08 43 19.69	+14 02 07.6		104
1987 MC	1997 02 28.89907	11 27 30.59	+02 39 08.3		104
1987 MC	1997 02 28.91007	11 27 30.07	+02 39 14.0		104
1987 MC	1997 02 28.91499	11 27 29.85	+02 39 16.6		104
1990 EL ₈	1997 03 02.84132	08 35 03.38	+22 20 38.2		104

1990 EL ₈	1997 03 02.84583	08 35 03.21	+22 20 38.4		104
1990 EL ₈	1997 03 02.85353	08 35 02.93	+22 20 38.1		104
1990 OO ₂	1997 03 12.80414	10 19 03.09	+06 13 47.6		104
1990 OO ₂	1997 03 12.80833	10 19 02.85	+06 13 47.9		104
1990 OO ₂	1997 03 12.81250	10 19 02.63	+06 13 48.3		104
1990 UG	1997 02 27.87054	07 35 15.52	+05 56 21.2		104
1990 UG	1997 02 27.87998	07 35 15.30	+05 56 24.3		104
1990 UG	1997 02 27.88790	07 35 15.21	+05 56 27.0		104
1991 PF ₁₈	1997 02 28.79931	07 42 51.13	+17 05 10.4		104
1991 PF ₁₈	1997 02 28.80926	07 42 51.02	+17 05 11.0		104
1991 PF ₁₈	1997 02 28.81615	07 42 50.92	+17 05 11.4		104
1992 CC ₁	1997 02 16.89595	12 26 22.51	+02 46 13.2		104
1992 CC ₁	1997 02 16.89954	12 26 22.05	+02 46 11.3		104
1992 CC ₁	1997 02 16.90231	12 26 21.66	+02 46 10.0		104
1992 WJ ₃	1997 03 02.78449	07 46 32.01	+15 25 13.2		104
1992 WJ ₃	1997 03 02.78924	07 46 31.97	+15 25 14.4		104
1992 WJ ₃	1997 03 02.79375	07 46 31.91	+15 25 15.7		104
1994 GO ₁	1997 02 28.78083	07 38 03.11	+11 00 01.9		104
1994 GO ₁	1997 02 28.81360	07 38 02.61	+11 00 16.0		104
1994 GO ₁	1997 02 28.82694	07 38 02.42	+11 00 21.9		104
1994 PB	1997 03 11.86004	12 02 37.82	-09 32 44.6		104
1994 PB	1997 03 11.86421	12 02 37.66	-09 32 43.1		104
1994 PB	1997 03 11.86838	12 02 37.44	-09 32 41.8		104
1994 PB	1997 03 12.87637	12 01 53.16	-09 27 17.6		104
1994 PB	1997 03 12.88056	12 01 52.98	-09 27 16.1		104
1994 PB	1997 03 12.88438	12 01 52.81	-09 27 14.4		104
1995 OA	1997 02 28.86733	08 38 16.20	+10 41 04.8		104
1995 OA	1997 02 28.87639	08 38 15.91	+10 41 06.2		104
1995 OA	1997 02 28.88032	08 38 15.77	+10 41 06.8		104
1995 SM ₃	1997 03 12.89553	12 35 47.73	-08 31 37.5		104
1995 SM ₃	1997 03 12.90075	12 35 47.42	-08 31 37.5		104
1995 SM ₃	1997 03 12.90451	12 35 47.18	-08 31 37.3		104
1995 WL ₇	1997 03 11.88354	10 26 12.64	+19 22 28.7		104
1995 WL ₇	1997 03 11.88958	10 26 12.37	+19 22 29.3		104
1995 WL ₇	1997 03 11.89375	10 26 12.17	+19 22 31.0		104
1995 WL ₇	1997 03 11.90269	10 26 11.84	+19 22 32.6		104
1995 WL ₇	1997 03 12.82496	10 25 29.78	+19 25 40.7		104
1995 WL ₇	1997 03 12.83160	10 25 29.47	+19 25 41.8		104
1995 WL ₇	1997 03 12.83646	10 25 29.26	+19 25 43.0		104
1995 WO ₁₅	1997 03 02.81696	08 27 05.73	+22 31 10.9		104
1995 WO ₁₅	1997 03 02.82234	08 27 05.57	+22 31 11.6		104
1997 BG ₈	1997 02 06.97708	09 26 23.96	+15 51 06.2	16.5 V	104
1997 BG ₈	1997 02 06.98218	09 26 23.55	+15 51 07.1		104
1997 BG ₈	1997 02 06.98924	09 26 23.12	+15 51 09.0		104
1997 CB ₁	1997 03 04.79861	09 40 42.90	+11 57 02.7		104
1997 CB ₁	1997 03 04.80278	09 40 42.69	+11 57 05.4		104
1997 CB ₁	1997 03 04.81424	09 40 42.14	+11 57 10.6		104
1997 CB ₁	1997 03 04.81950	09 40 41.83	+11 57 12.5		104
1997 CB ₁	1997 03 04.82917	09 40 41.39	+11 57 17.4		104
1997 CB ₁	1997 03 09.92250	09 37 06.37	+12 31 42.9	18.0 V	104
1997 CB ₁	1997 03 09.92743	09 37 06.16	+12 31 45.3		104
1997 CB ₁	1997 03 09.93229	09 37 05.94	+12 31 47.6		104

1997 CB ₁	1997 03 09.94455	09 37 05.40	+12 31 52.5	104
1997 CB ₁	1997 03 10.80000	09 36 33.88	+12 37 14.4	104
1997 CB ₁	1997 03 10.80937	09 36 33.51	+12 37 17.7	104
1997 CB ₁	1997 03 10.81354	09 36 33.34	+12 37 19.5	104
1997 CB ₁	1997 03 10.82392	09 36 32.89	+12 37 23.6	104
1997 CB ₁	1997 03 11.80104	09 35 58.05	+12 43 25.0	104
1997 CB ₁	1997 03 11.80729	09 35 57.86	+12 43 27.1	104
1997 CB ₁	1997 03 11.81221	09 35 57.68	+12 43 28.0	104
1997 CB ₁	1997 03 11.82783	09 35 57.03	+12 43 33.3	104
1997 CP ₁₃	1997 02 06.97963	09 27 49.83	+15 04 37.4	104
1997 CP ₁₃	1997 02 06.98380	09 27 49.59	+15 04 39.0	104
1997 CP ₁₃	1997 02 06.99294	09 27 49.11	+15 04 41.5	104
1997 CA ₁₇	1997 02 16.82707	09 23 21.83	+07 24 13.3	104
1997 CA ₁₇	1997 02 16.83091	09 23 21.61	+07 24 13.8	104
1997 CA ₁₇	1997 02 16.83963	09 23 21.13	+07 24 14.8	104
1997 CA ₁₇	1997 02 17.90311	09 22 29.71	+07 26 46.9	104
1997 CA ₁₇	1997 02 17.91244	09 22 29.30	+07 26 48.5	104
1997 CA ₁₇	1997 02 17.91852	09 22 29.02	+07 26 49.5	104
1997 CA ₁₇	1997 02 27.84259	09 15 07.25	+07 51 20.7	104
1997 CA ₁₇	1997 02 27.85093	09 15 06.90	+07 51 22.0	104
1997 CA ₁₇	1997 02 27.85604	09 15 06.68	+07 51 22.7	104
1997 CA ₁₇	1997 03 03.81712	09 12 35.00	+08 01 05.0	104
1997 CA ₁₇	1997 03 03.82650	09 12 34.66	+08 01 06.5	104
1997 CA ₁₇	1997 03 03.84838	09 12 33.83	+08 01 09.4	104
1997 CA ₁₇	1997 03 03.86076	09 12 33.37	+08 01 11.2	104
1997 CA ₁₇	1997 03 10.84063	09 08 50.12	+08 17 10.5	104
1997 CA ₁₇	1997 03 10.84549	09 08 50.00	+08 17 11.0	104
1997 CA ₁₇	1997 03 10.85017	09 08 49.87	+08 17 11.8	104
1997 CX ₂₇	1997 02 06.98090	09 29 15.54	+15 15 28.8	104
1997 CX ₂₇	1997 02 06.98565	09 29 15.26	+15 15 29.5	104
1997 CX ₂₇	1997 02 06.99416	09 29 14.80	+15 15 31.2	104
1997 EV	1997 03 03.88787	12 01 08.51	+26 11 18.3	104
1997 EV	1997 03 03.89271	12 01 08.04	+26 11 17.5	104
1997 EV	1997 03 03.90069	12 01 07.22	+26 11 15.9	104
1997 EV	1997 03 04.88524	11 59 34.63	+26 08 25.8	104
1997 EV	1997 03 04.88961	11 59 34.26	+26 08 25.2	104
1997 EV	1997 03 04.89421	11 59 33.87	+26 08 24.6	104
1997 EV	1997 03 09.89745	11 51 36.22	+25 49 14.1	104
1997 EV	1997 03 09.90139	11 51 35.86	+25 49 13.0	104
1997 EV	1997 03 09.90509	11 51 35.45	+25 49 12.2	104
1997 EV	1997 03 10.86447	11 50 03.31	+25 44 32.5	104
1997 EV	1997 03 10.86910	11 50 02.90	+25 44 31.2	104
1997 EV	1997 03 10.87535	11 50 02.30	+25 44 29.7	104
1997 EV	1997 03 13.81718	11 45 21.37	+25 28 16.8	104
1997 EV	1997 03 13.82222	11 45 20.87	+25 28 15.3	104
1997 EV	1997 03 13.82714	11 45 20.39	+25 28 13.4	104
1997 EO ₃₀	* 1997 03 11.88354	10 26 13.66	+19 22 25.7	104
1997 EO ₃₀	1997 03 11.88958	10 26 13.39	+19 22 27.9	104
1997 EO ₃₀	1997 03 11.89375	10 26 13.20	+19 22 28.6	104
1997 EO ₃₀	1997 03 11.90269	10 26 12.69	+19 22 30.7	104
1997 EO ₃₀	1997 03 12.82496	10 25 27.80	+19 27 10.0	104
1997 EO ₃₀	1997 03 12.83160	10 25 27.48	+19 27 12.2	104

17.4 V

17.6 V

18.3 V

1997 EO ₃₀	1997 03 12.83646	10 25 27.25	+19 27 14.0	104
1997 EO ₃₀	1997 03 13.79352	10 24 41.64	+19 31 51.8	104
1997 EO ₃₀	1997 03 13.79861	10 24 41.38	+19 31 53.2	104
1997 EO ₃₀	1997 03 13.80382	10 24 41.12	+19 31 54.4	104
(3982)	1997 03 03.81712	09 12 27.59	+07 57 03.7	104
(3982)	1997 03 03.82650	09 12 27.12	+07 57 06.5	104
(3982)	1997 03 03.84838	09 12 26.01	+07 57 13.3	104
(3982)	1997 03 03.86076	09 12 25.37	+07 57 16.5	104
(3982)	1997 03 04.77904	09 11 40.78	+08 01 41.7	104
(3982)	1997 03 04.78218	09 11 40.60	+08 01 42.6	104
(3982)	1997 03 04.78574	09 11 40.41	+08 01 43.8	104
(6647)	1997 03 09.92250	09 37 08.26	+12 29 56.1	104
(6647)	1997 03 09.92743	09 37 08.08	+12 29 57.4	104
(6647)	1997 03 09.93229	09 37 07.89	+12 29 58.8	104
(6647)	1997 03 10.80000	09 36 28.38	+12 33 45.8	104
(6647)	1997 03 10.80937	09 36 27.97	+12 33 48.2	104
(6647)	1997 03 10.81354	09 36 27.74	+12 33 49.4	104
(6647)	1997 03 10.82392	09 36 27.26	+12 33 52.0	104
(6647)	1997 03 11.80729	09 35 43.73	+12 38 04.6	104
(6647)	1997 03 11.81221	09 35 43.48	+12 38 05.6	104
(6647)	1997 03 11.82783	09 35 42.69	+12 38 08.8	104
(7374)	1997 03 02.86551	08 38 29.06	+19 31 38.6	104
(7374)	1997 03 02.87049	08 38 28.95	+19 31 37.7	104
(7374)	1997 03 02.87500	08 38 28.86	+19 31 36.7	104
(7430)	1997 02 20.79713	05 54 07.27	+21 57 55.9	104
(7430)	1997 02 20.80162	05 54 07.51	+21 57 55.4	104
(7430)	1997 02 20.80613	05 54 07.76	+21 57 55.0	104
(7437)	1997 02 27.86557	07 33 51.30	+22 21 22.3	104
(7437)	1997 02 27.88472	07 33 51.21	+22 21 25.9	104
(7437)	1997 02 27.90705	07 33 51.08	+22 21 29.7	104
(7468)	1997 02 28.80397	07 45 42.97	+26 44 36.8	104
(7468)	1997 02 28.82095	07 45 42.70	+26 44 36.4	104
(7468)	1997 02 28.85903	07 45 42.08	+26 44 35.3	104
(7469)	1997 02 28.80220	07 45 22.77	+29 15 43.5	104
(7469)	1997 02 28.81968	07 45 22.55	+29 15 43.5	104
(7469)	1997 02 28.85097	07 45 22.21	+29 15 43.3	104
(7481)	1997 02 16.87927	10 22 21.19	+02 31 59.2	104
(7481)	1997 02 16.88299	10 22 21.02	+02 32 01.1	104
(7481)	1997 02 16.88808	10 22 20.80	+02 32 03.8	104

18.5 V

108 Montelupo

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Observers M. Tombelli, G. Forti

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

GSC

1991 CS	1997 03 01.04595	12 43 59.10	+25 28 26.9	108
1991 CS	1997 03 01.04965	12 43 58.96	+25 28 59.8	108
1991 CS	1997 03 01.05321	12 43 58.69	+25 29 32.9	108
1991 VH	1997 03 01.03047	12 00 27.07	+24 32 47.2	108
1991 VH	1997 03 01.03623	12 00 26.55	+24 33 03.2	108
1991 VH	1997 03 01.04028	12 00 26.28	+24 33 15.9	108
1992 CC ₁	1997 03 01.01008	11 56 12.04	+00 57 22.4	108

15.5 V

15.7 V

1992 CC ₁	1997 03 01.01306	11 56 11.37	+00 57 16.5	17.0 V	108
1997 BX ₆	1997 02 08.86723	08 29 23.50	+20 16 05.2		108
1997 CZ ₅	1997 02 28.83476	05 21 11.10	+11 18 50.7		108
1997 CZ ₅	1997 02 28.83808	05 21 11.61	+11 18 46.1		108
1997 CZ ₅	1997 02 28.84235	05 21 12.27	+11 18 40.5		108
1997 CZ ₅	1997 02 28.85755	05 21 14.47	+11 18 23.5	16.0 V	108
1997 CU ₂₆	1997 02 28.87900	08 27 48.67	+15 39 30.8		108
1997 CU ₂₆	1997 03 02.82184	08 27 27.88	+15 40 02.0	18.0 V	108

114 Engelhardt Observatory, Zelenchukskaya Station

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0.40-m $f/5$ camera

1997 AY	1995 10 17.74024	01 34 11.35	+05 07 50.9	14.9	114
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116 Giesing

H. Beuchat, European Patent Office, Erhardstrasse 27, D-80331 Munich, Germany
[100341.75@compuserve.com]

Observer P. Sala

0.20-m reflector + CCD

(1614)	1997 02 06.76345	02 43 50.16	+01 27 04.6	16.6 R	116
(1614)	1997 02 06.88990	02 43 56.19	+01 28 01.0	16.3 R	116
(1614)	1997 02 07.73794	02 44 37.04	+01 34 07.3	16.3 R	116
(1614)	1997 02 07.86389	02 44 43.07	+01 35 02.0	16.7 R	116
(1614)	1997 02 09.74812	02 46 16.14	+01 48 40.7	16.6 R	116
(1614)	1997 02 22.75770	02 58 16.98	+03 24 26.6	16.1 R	116
(1614)	1997 02 22.80680	02 58 20.02	+03 24 48.6	15.6 R	116
(1614)	1997 02 23.77814	02 59 18.99	+03 32 00.5	15.2 R	116

117 Sendling

H. Beuchat, European Patent Office, Erhardstr. 27, D-80331 Munich, Germany
[100341.75@compuserve.com]

0.20-m $f/10$ reflector + CCD

GSC

(154)	1997 03 09.96661	12 36 12.13	+19 08 16.7	11.6 R	117
(154)	1997 03 09.97336	12 36 11.64	+19 08 17.8	11.8 R	117
(154)	1997 03 10.01362	12 36 09.61	+19 08 22.9	11.8 R	117
(541)	1997 03 09.91494	11 07 20.25	-04 15 41.5	14.1 R	117
(541)	1997 03 09.93669	11 07 19.09	-04 15 35.5	14.2 R	117
(541)	1997 03 09.95529	11 07 18.16	-04 15 30.6	14.0 R	117
(1093)	1997 03 10.04190	14 43 03.38	+03 38 25.6	13.8 R	117
(1093)	1997 03 10.05171	14 43 03.27	+03 38 27.2	14.0 R	117
(1093)	1997 03 10.06821	14 43 03.03	+03 38 28.6	14.2 R	117
(1093)	1997 03 10.08411	14 43 02.75	+03 38 30.8	13.7 R	117
(1093)	1997 03 10.09853	14 43 02.56	+03 38 31.8	14.5 R	117
(1303)	1997 03 09.98709	12 54 22.55	+25 14 11.7	13.6 R	117
(1303)	1997 03 09.99603	12 54 22.14	+25 14 15.2	13.6 R	117
(1303)	1997 03 10.03124	12 54 20.64	+25 14 27.3	13.7 R	117

118 Modra

A. Galád, AGO MFF UK, P.O. Box 4, SK-90001 Modra, Slovakia
[ago.modra@center.fmph.uniba.sk]

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

0.6-m $f/5.5$ reflector + CCD

GSC

1981 EK ₅	1997 03 04.80197	07 40 22.69	+19 45 05.3		118
1981 EK ₅	1997 03 04.86433	07 40 21.70	+19 45 04.5	18.9 R	118
1981 EK ₅	1997 03 04.86731	07 40 21.62	+19 45 03.9		118
1981 EK ₅	1997 03 05.81125	07 40 07.93	+19 44 44.5		118
1981 EK ₅	1997 03 05.81799	07 40 07.83	+19 44 44.3		118
1981 EK ₅	1997 03 05.86090	07 40 07.18	+19 44 43.4	19.1 R	118
1993 FS ₃₉	1997 02 22.91493	07 41 10.06	+19 35 55.7		118
1993 FS ₃₉	1997 02 22.94475	07 41 09.25	+19 35 58.8		118
1993 FS ₃₉	1997 02 22.94956	07 41 09.15	+19 35 59.1	17.6 R	118
1993 FS ₃₉	1997 02 23.91097	07 40 45.05	+19 37 38.8		118
1993 FS ₃₉	1997 02 23.93655	07 40 44.43	+19 37 41.6		118
1993 FS ₃₉	1997 02 23.94093	07 40 44.35	+19 37 42.1	18.0 R	118
1994 AM ₃	1997 02 28.85383	04 25 43.14	+29 18 55.2		118
1994 AM ₃	1997 02 28.86177	04 25 43.80	+29 18 55.3		118
1994 AM ₃	1997 03 02.79112	04 28 29.20	+29 18 54.5		118
1994 AM ₃	1997 03 02.79562	04 28 29.56	+29 18 54.9	18.9 R	118
1995 QD ₂	1997 03 06.06515	12 54 42.55	-12 13 01.0		r 118
1995 QD ₂	1997 03 06.07022	12 54 42.36	-12 13 00.2		r 118
1995 QD ₂	1997 03 06.07384	12 54 42.20	-12 12 59.8	19 R	r 118
1995 RC	1997 02 18.12052	12 56 56.45	-10 12 35.0	18.7 R	118
1995 RC	1997 02 18.12595	12 56 56.35	-10 12 35.5		118
1995 RC	1997 02 23.09948	12 54 46.75	-10 15 16.9		S 118
1995 RC	1997 02 23.10191	12 54 46.70	-10 15 17.2	18.0 R	S 118
1995 RC	1997 03 02.10190	12 50 34.19	-10 11 35.0		118
1995 RC	1997 03 02.10551	12 50 34.03	-10 11 35.1		118
1995 RC	1997 03 08.99479	12 45 12.88	-09 59 23.7		118
1995 RC	1997 03 09.00184	12 45 12.50	-09 59 22.4		118
1995 UY ₄₄	1997 03 05.96106	11 32 14.73	+15 16 26.2		r 118
1995 UY ₄₄	1997 03 05.97105	11 32 14.12	+15 16 28.8	18.6 R	r 118
1996 AD ₂	1997 02 23.15269	13 02 52.23	+10 38 44.3	18.1 R	r 118
1996 AD ₂	1997 02 23.15803	13 02 52.12	+10 38 45.8		r 118
1996 YF ₁	1997 02 17.90586	07 31 02.58	+41 46 55.4		118
1996 YF ₁	1997 02 17.90981	07 31 02.68	+41 46 55.6	18.1 R	118
1996 YF ₁	1997 02 17.91701	07 31 02.85	+41 46 56.0		118
1996 YF ₁	1997 02 23.81713	07 35 13.26	+41 45 17.9	18.2 R	118
1996 YF ₁	1997 02 23.82326	07 35 13.56	+41 45 17.2		118
1996 YF ₁	1997 02 23.82703	07 35 13.70	+41 45 16.8		118
1996 YF ₁	1997 02 27.81066	07 39 15.68	+41 35 35.5	18.7 R	118
1996 YF ₁	1997 02 27.81379	07 39 15.87	+41 35 35.0		118
1996 YF ₁	1997 02 27.81853	07 39 16.18	+41 35 34.0		118
1996 YF ₁	1997 03 01.95623	07 41 48.38	+41 27 37.4		118
1996 YF ₁	1997 03 01.96638	07 41 49.11	+41 27 34.6		118
1996 YF ₁	1997 03 10.77691	07 54 57.07	+40 35 48.8	18.2 R	118
1996 YF ₁	1997 03 10.78234	07 54 57.59	+40 35 46.1		118
1996 YF ₁	1997 03 10.78784	07 54 58.10	+40 35 43.6		118
1996 YG ₁	1997 02 20.95057	07 01 22.02	+34 40 27.8	18.9 R	118
1996 YG ₁	1997 02 20.95921	07 01 21.89	+34 40 27.5		118
1996 YG ₁	1997 02 22.75106	07 00 49.40	+34 39 38.0	18.9 R	118
1996 YG ₁	1997 02 22.76060	07 00 49.23	+34 39 37.0		118
1996 YG ₁	1997 02 22.76749	07 00 49.14	+34 39 37.3		118

1997 MAR. 24

M.P.C. 29185

1996 YG ₁	1997 03 10.89825	07 00 38.66	+34 19 30.2	19.2 R	118	1997 CP ₁	1997 02 10.84274	06 41 34.80	+18 36 00.1	18.5 R	118
1996 YG ₁	1997 03 10.90435	07 00 38.72	+34 19 29.9		118	1997 CP ₁	1997 02 10.84904	06 41 34.76	+18 36 02.8	18.5 R	118
1996 YG ₁	1997 03 10.91795	07 00 38.90	+34 19 27.9		118	1997 CP ₁	1997 02 14.72681	06 41 39.35	+18 53 21.8	18.4 R	118
1997 AT ₁₀	1997 01 26.90362	07 57 31.26	+18 36 06.0		118	1997 CP ₁	1997 02 14.73167	06 41 39.39	+18 53 22.1	18.5 R	118
1997 AT ₁₀	1997 01 26.93796	07 57 29.29	+18 36 00.9		118	1997 CP ₁	1997 02 14.73756	06 41 39.41	+18 53 24.9	18.5 R	118
1997 AT ₁₀	1997 01 26.94361	07 57 29.05	+18 35 59.7	18.1 R	118	1997 CP ₁	1997 02 14.74318	06 41 39.40	+18 53 26.1	18.6 R	118
1997 AG ₂₂	1997 02 23.78162	07 35 33.45	+19 42 23.7		118	1997 CP ₁	1997 02 20.80205	06 42 52.60	+19 18 25.2		118
1997 AG ₂₂	1997 02 23.78522	07 35 33.35	+19 42 24.2		118	1997 CP ₁	1997 02 20.88260	06 42 53.91	+19 18 44.7	19.2 R	118
1997 AG ₂₂	1997 02 23.79907	07 35 32.98	+19 42 24.8	19.2 R	118	1997 CP ₁	1997 03 05.82966	06 49 42.43	+20 02 13.5		118
1997 AG ₂₂	1997 03 04.78427	07 33 46.43	+19 51 05.5	19.1 R	118	1997 CP ₁	1997 03 05.83633	06 49 42.74	+20 02 14.7		118
1997 AG ₂₂	1997 03 04.84609	07 33 46.19	+19 51 07.9		118	1997 CP ₁	1997 03 05.84345	06 49 42.99	+20 02 15.6	19.1 R	118
1997 BQ	1997 02 21.08286	17 44 57.20	+58 51 24.1		118	1997 CP ₁	1997 03 07.82862	06 51 13.11	+20 07 38.8		118
1997 BQ	1997 02 21.08731	17 44 59.68	+58 51 01.7		118	1997 CP ₁	1997 03 07.90302	06 51 16.54	+20 07 49.9		118
1997 BQ	1997 02 21.09050	17 45 01.37	+58 50 46.5	16.7 R	118	1997 CT ₁	1997 02 06.96906	07 49 16.60	+18 27 27.6		118
1997 BQ	1997 03 01.09757	18 42 10.42	+46 05 17.6	17.3 R	118	1997 CT ₁	1997 02 06.97287	07 49 16.45	+18 27 27.9	18.4 R	118
1997 BQ	1997 03 01.09921	18 42 10.94	+46 05 07.7		118	1997 CT ₁	1997 02 06.98211	07 49 16.10	+18 27 28.7		118
1997 BQ	1997 03 01.10463	18 42 12.67	+46 04 34.7		118	1997 CT ₁	1997 02 15.00774	07 44 52.20	+18 39 21.5	18.2 R	118
1997 BR	1997 02 19.95955	09 37 45.38	+48 07 01.7		118	1997 CT ₁	1997 02 15.01170	07 44 52.06	+18 39 22.3	18.2 R	118
1997 BR	1997 02 19.96495	09 37 44.61	+48 07 17.5	16.7 R	118	1997 CT ₁	1997 02 15.01628	07 44 51.92	+18 39 22.4	18.5 R	118
1997 BR	1997 02 19.96715	09 37 44.30	+48 07 24.0		118	1997 CT ₁	1997 02 23.86904	07 41 03.90	+18 50 16.0		118
1997 BR	1997 02 21.00521	09 35 24.50	+48 57 54.5		r 118	1997 CT ₁	1997 02 23.87812	07 41 03.72	+18 50 15.9		118
1997 BR	1997 02 21.00705	09 35 24.26	+48 57 59.8	16.8 R	r 118	1997 CT ₁	1997 02 23.88260	07 41 03.70	+18 50 16.8	18.8 R	118
1997 BR	1997 02 21.01191	09 35 23.57	+48 58 13.3		r 118	1997 CT ₁	1997 02 27.90789	07 39 44.18	+18 54 21.8	19.1 R	118
1997 BR	1997 02 27.98586	09 18 35.50	+54 07 47.2	17.6 R	118	1997 CT ₁	1997 02 27.92418	07 39 43.91	+18 54 23.0	18.9 R	118
1997 BR	1997 02 27.99187	09 18 34.55	+54 08 01.7		118	1997 CT ₁	1997 02 27.92617	07 39 43.90	+18 54 22.7	18.9 R	118
1997 BR	1997 03 02.08302	09 13 16.79	+55 29 18.7		118	1997 CT ₁	1997 03 04.81330	07 38 29.26	+18 58 35.5	18.8 R	118
1997 BR	1997 03 02.08935	09 13 15.81	+55 29 32.7	17.8 R	118	1997 CT ₁	1997 03 04.87762	07 38 28.43	+18 58 38.7		118
1997 BR	1997 03 02.09144	09 13 15.49	+55 29 37.0		118	1997 CO ₅	1997 02 18.03744	08 53 15.18	+14 07 14.9		118
1997 BR	1997 03 06.01603	09 03 20.68	+57 47 19.6		118	1997 CO ₅	1997 02 18.04461	08 53 14.74	+14 07 05.9	17.8 R	118
1997 BR	1997 03 06.01863	09 03 20.28	+57 47 24.6		118	1997 CO ₅	1997 02 28.99022	08 44 49.55	+10 52 44.8	18.1 R	118
1997 BR	1997 03 06.02258	09 03 19.65	+57 47 32.0	17.4 R	118	1997 CO ₅	1997 02 28.99726	08 44 49.35	+10 52 38.4		118
1997 BR	1997 03 08.03297	08 58 21.05	+58 50 27.4		118	1997 CO ₅	1997 03 01.00003	08 44 49.23	+10 52 35.6		118
1997 BR	1997 03 08.03478	08 58 20.77	+58 50 30.7	17.6 R	118	1997 CZ ₅	1997 02 17.84992	04 53 56.05	+15 08 46.0	15.5 R	118
1997 BR	1997 03 08.03647	08 58 20.50	+58 50 33.5		118	1997 CZ ₅	1997 02 17.85792	04 53 57.22	+15 08 34.9	15.4 R	118
1997 BX ₅	1997 02 27.83064	07 42 16.30	+22 00 37.9		118	1997 CZ ₅	1997 02 19.72719	04 58 37.46	+14 25 34.9		118
1997 BX ₅	1997 02 27.83906	07 42 16.15	+22 00 39.1		118	1997 CZ ₅	1997 02 19.73492	04 58 38.58	+14 25 24.6	15.6 R	118
1997 BX ₅	1997 02 27.84562	07 42 16.10	+22 00 39.7	18.6 R	118	1997 CZ ₅	1997 02 24.75887	05 11 07.33	+12 37 59.8	15.6 R	118
1997 BX ₅	1997 03 04.83707	07 41 21.14	+22 11 19.5		118	1997 CZ ₅	1997 02 24.76738	05 11 08.58	+12 37 49.4		118
1997 BX ₅	1997 03 04.89307	07 41 20.66	+22 11 26.2	18.8 R	118	1997 CZ ₅	1997 02 26.86128	05 16 18.99	+11 56 18.3		118
1997 BZ ₅	1997 02 22.91493	07 41 07.72	+19 36 23.7	18.4 R	118	1997 CZ ₅	1997 02 26.86638	05 16 19.74	+11 56 12.3		118
1997 BZ ₅	1997 02 22.94475	07 41 07.27	+19 36 27.0		118	1997 CZ ₅	1997 02 26.86955	05 16 20.19	+11 56 08.7		118
1997 BZ ₅	1997 02 22.94956	07 41 07.23	+19 36 26.7		118	1997 CZ ₅	1997 02 28.87046	05 21 16.32	+11 18 09.1	15.9 R	118
1997 BZ ₅	1997 02 23.91097	07 40 55.23	+19 37 53.8		F 118	1997 CZ ₅	1997 02 28.87313	05 21 16.71	+11 18 06.2		118
1997 BZ ₅	1997 02 23.93655	07 40 54.94	+19 37 55.8		F 118	1997 CZ ₅	1997 02 28.87850	05 21 17.49	+11 18 00.1		118
1997 BZ ₅	1997 02 23.94093	07 40 54.80	+19 37 55.4	18.4 R	F 118	1997 CZ ₅	1997 03 02.83490	05 26 06.44	+10 42 20.5	15.7 R	118
1997 BZ ₅	1997 03 04.80197	07 40 28.98	+19 47 48.8	18.9 R	118	1997 CZ ₅	1997 03 02.85500	05 26 09.35	+10 41 58.9		118
1997 BZ ₅	1997 03 04.86433	07 40 29.23	+19 47 51.9		118	1997 CU ₂₆	1997 03 02.02912	08 27 36.23	+15 39 48.2	17.7 R	118
1997 BZ ₅	1997 03 04.94175	07 40 29.55	+19 47 55.3		118	1997 CU ₂₆	1997 03 02.03427	08 27 36.15	+15 39 48.3		118
1997 CP ₁	1997 02 06.78293	06 42 06.83	+18 16 52.6		118	1997 CU ₂₆	1997 03 02.03897	08 27 36.12	+15 39 48.1		118
1997 CP ₁	1997 02 06.78609	06 42 06.77	+18 16 53.4	18.5 R	118	1997 CU ₂₆	1997 03 03.93598	08 27 16.22	+15 40 18.6		118
1997 CP ₁	1997 02 08.91751	06 41 45.13	+18 27 03.1		118	1997 CU ₂₆	1997 03 03.95146	08 27 16.07	+15 40 18.8	17.6 R	118
1997 CP ₁	1997 02 08.92749	06 41 45.04	+18 27 05.8	18.5 R	118	1997 DF	1997 03 04.99038	08 43 24.93	+22 01 32.5		118

1997 DF	1997 03 04.99333	08 43 24.96	+22 01 35.9	19.0 R	118	(5131)	1997 03 01.75117	04 39 32.09	+14 43 25.8	118
1997 DF	1997 03 04.99708	08 43 24.91	+22 01 41.4		118	(5131)	1997 03 01.76104	04 39 32.32	+14 43 35.0	118
1997 DF	1997 03 05.89547	08 43 23.54	+22 22 07.2		118	(5261)	1997 03 01.84002	05 13 19.25	+00 11 18.6	118
1997 DF	1997 03 05.89931	08 43 23.52	+22 22 12.4	18.7 R	118	(5261)	1997 03 01.86784	05 13 21.75	+00 11 26.8	118
1997 DF	1997 03 05.90295	08 43 23.52	+22 22 17.3		118	(5626)	1997 02 28.83003	03 55 57.00	+16 01 47.5	118
1997 EM ₂	* 1997 03 04.80197	07 40 36.40	+19 47 34.5		118	(5626)	1997 02 28.83308	03 55 57.62	+16 01 49.9	118
1997 EM ₂	1997 03 04.86731	07 40 35.55	+19 47 23.9	19.0 R	118	(5693)	1997 03 01.00903	09 15 34.01	+24 53 53.2	118
1997 EM ₂	1997 03 04.94485	07 40 34.59	+19 47 11.2		118	(5693)	1997 03 01.01111	09 15 33.80	+24 53 53.8	118
1997 EM ₂	1997 03 05.81125	07 40 25.44	+19 44 55.5		118	(6500)	1997 03 02.77325	04 09 58.83	-11 11 14.2	118
1997 EM ₂	1997 03 05.81799	07 40 25.37	+19 44 54.4	19.1 R	118	(6500)	1997 03 02.77801	04 09 59.51	-11 11 09.7	118
1997 EM ₂	1997 03 05.86090	07 40 24.86	+19 44 47.5		118	(6569)	1997 03 02.12865	12 43 44.76	+40 57 00.8	118
1997 EM ₇	* 1997 03 05.81125	07 40 10.59	+19 41 14.0	18.0 R	118	(6569)	1997 03 02.13197	12 43 44.68	+40 57 06.1	118
1997 EM ₇	1997 03 05.81799	07 40 10.66	+19 41 14.7		118	(7301)	1997 03 01.77578	04 44 05.78	+26 48 07.4	118
1997 EM ₇	1997 03 05.86090	07 40 11.12	+19 41 18.3		118	(7301)	1997 03 01.78046	04 44 06.20	+26 48 08.9	118
1997 EM ₇	1997 03 07.80457	07 40 39.51	+19 43 55.1		118	120 Višnjan				
1997 EM ₇	1997 03 07.91287	07 40 41.12	+19 44 03.0		118	K. Korlević, Istarska 5, HR-51463 Višnjan, Croatia [kkorlevic@x400.srce.hr]				
1997 EM ₇	1997 03 07.92463	07 40 41.29	+19 44 03.9	18.0 R	118	Observers K. Korlević, V. Brcić, M. Dusić				
1997 EN ₇	* 1997 03 05.82966	06 49 50.00	+20 02 41.4		I 118	Measurer K. Korlević				
1997 EN ₇	1997 03 05.83633	06 49 50.08	+20 02 42.0		I 118	0.41-m $f/4.3$ reflector + CCD				
1997 EN ₇	1997 03 05.84345	06 49 50.24	+20 02 42.3	19.1 R	I 118	GSC				
1997 EN ₇	1997 03 07.87017	06 50 22.05	+20 04 58.1	19.4 R	118	1997 DN	* 1997 02 27.87780	08 21 12.87	+07 30 25.0	18.0 R 120
1997 EN ₇	1997 03 07.87593	06 50 22.12	+20 04 58.7		118	1997 DN	1997 02 27.89341	08 21 12.41	+07 30 28.5	120
1997 EN ₇	1997 03 07.88730	06 50 22.30	+20 04 59.6		118	1997 DN	1997 02 27.89574	08 21 12.34	+07 30 28.8	120
(445)	1997 02 17.75635	03 51 26.99	+32 30 48.7		118	1997 DN	1997 02 27.89870	08 21 12.29	+07 30 29.3	120
(445)	1997 02 17.76050	03 51 27.24	+32 30 47.4	14.5 R	118	1997 DN	1997 02 28.89492	08 20 44.22	+07 34 04.4	17.5 R 120
(445)	1997 02 17.76946	03 51 27.77	+32 30 44.5	14.6 R	118	1997 DN	1997 02 28.90557	08 20 43.81	+07 34 07.8	120
(1627)	1997 02 28.89525	08 00 15.07	+20 31 33.0		118	1997 DN	1997 02 28.91172	08 20 43.75	+07 34 08.5	120
(1627)	1997 02 28.90359	08 00 14.70	+20 31 35.2		118	1997 DN	1997 02 28.92225	08 20 43.42	+07 34 10.5	120
(1627)	1997 03 02.95488	07 58 53.97	+20 40 28.2		118	1997 EZ	* 1997 03 03.95711	11 58 48.85	+00 22 58.7	18.4 R 120
(1627)	1997 03 02.95905	07 58 53.82	+20 40 29.4		118	1997 EZ	1997 03 03.95895	11 58 48.76	+00 22 59.5	120
(2091)	1997 03 01.92277	05 38 17.84	+20 59 51.1		118	1997 EZ	1997 03 03.98519	11 58 47.65	+00 23 08.1	120
(2091)	1997 03 01.93640	05 38 18.27	+20 59 54.5		118	1997 EZ	1997 03 03.99696	11 58 47.10	+00 23 12.1	120
(2204)	1997 03 02.88955	06 53 51.33	+05 50 51.4		118	1997 EZ	1997 03 04.00020	11 58 46.93	+00 23 13.3	120
(2204)	1997 03 02.89745	06 53 51.95	+05 51 02.2		118	1997 EZ	1997 03 04.00293	11 58 46.84	+00 23 13.4	120
(3103)	1997 02 28.00927	09 29 49.89	+34 27 04.9		118	1997 EZ	1997 03 04.02187	11 58 45.98	+00 23 19.8	120
(3103)	1997 02 28.01205	09 29 49.68	+34 27 07.6		118	1997 EZ	1997 03 04.05016	11 58 44.79	+00 23 29.8	120
(3122)	1997 02 27.95949	08 35 34.23	+30 22 27.2		118	1997 EZ	1997 03 04.06053	11 58 44.30	+00 23 32.2	120
(3122)	1997 02 27.96927	08 35 33.54	+30 22 19.9		118	1997 EZ	1997 03 04.91466	11 58 08.07	+00 28 11.0	18.3 R 120
(3199)	1997 03 03.00444	09 32 56.21	+27 40 16.0		118	1997 EZ	1997 03 04.93091	11 58 07.30	+00 28 16.8	120
(3199)	1997 03 03.01083	09 32 55.19	+27 40 04.8		118	1997 EZ	1997 03 04.93946	11 58 07.00	+00 28 19.4	120
(3567)	1997 03 01.03443	11 41 51.44	-08 44 40.5		118	1997 EZ	1997 03 06.02241	11 57 19.84	+00 34 17.7	18.1 R 120
(3567)	1997 03 01.04330	11 41 50.99	-08 44 38.5		118	1997 EZ	1997 03 06.02816	11 57 19.60	+00 34 19.4	120
(4179)	1997 02 27.00485	08 02 40.31	+20 40 52.9		118	1997 EZ	1997 03 06.03353	11 57 19.39	+00 34 21.0	120
(4179)	1997 02 27.01179	08 02 40.52	+20 40 52.2		118	1997 EZ	1997 03 06.03647	11 57 19.25	+00 34 22.2	120
(4179)	1997 02 27.01573	08 02 40.62	+20 40 52.0	16.0 R	118	1997 EZ	1997 03 08.90975	11 55 11.20	+00 50 36.3	17.8 R 120
(4179)	1997 02 28.93343	08 03 46.06	+20 38 14.4		118	1997 EZ	1997 03 08.91767	11 55 10.97	+00 50 39.5	120
(4179)	1997 02 28.93760	08 03 46.19	+20 38 14.0		118	1997 EZ	1997 03 08.92056	11 55 10.76	+00 50 40.4	120
(4179)	1997 02 28.94211	08 03 46.34	+20 38 13.5		118	1997 EZ	1997 03 08.92961	11 55 10.28	+00 50 43.1	120
(4957)	1997 03 01.82326	05 31 49.84	-13 03 44.2		118	1997 EL ₂	* 1997 03 04.91466	11 57 57.65	+00 34 06.2	18.8 R 120
(4957)	1997 03 01.82811	05 31 50.11	-13 03 42.7		118	1997 EL ₂	1997 03 04.93091	11 57 56.74	+00 34 08.3	120
(5066)	1997 03 02.74809	03 29 12.53	+15 54 20.4		118	1997 EL ₂	1997 03 04.93946	11 57 56.19	+00 34 10.5	120
(5066)	1997 03 02.75692	03 29 13.12	+15 54 28.6		118	1997 EL ₂	1997 03 06.02816	11 56 54.40	+00 37 15.0	120

1997 EL ₂	1997 03 06.03353	11 56 54.13	+00 37 16.6		120
1997 EL ₂	1997 03 06.03647	11 56 53.96	+00 37 16.7		120
1997 EL ₂	1997 03 08.89178	11 54 06.71	+00 45 52.8		120
1997 EL ₂	1997 03 08.89710	11 54 06.41	+00 45 54.5	18.0 R	120
1997 EL ₂	1997 03 08.90492	11 54 05.92	+00 45 56.0		120
1997 EL ₂	1997 03 08.94523	11 54 03.36	+00 46 03.5		120
1997 EL ₂	1997 03 08.95060	11 54 03.10	+00 46 04.1		120
1997 EA ₄	1997 03 09.93332	12 13 15.22	-00 48 06.2		120
1997 EA ₄	1997 03 09.94868	12 13 14.31	-00 47 59.9	18.1 R	120
1997 EA ₄	1997 03 09.95226	12 13 14.14	-00 47 57.8		120
1997 EA ₄	1997 03 10.91802	12 12 27.10	-00 41 09.3		120
1997 EA ₄	1997 03 10.92032	12 12 26.84	-00 41 08.9		120
1997 EA ₄	1997 03 10.98150	12 12 23.75	-00 40 42.2	18.2 R	120
1997 EA ₆	* 1997 03 04.91765	11 58 08.94	+00 38 05.8	18.5 R	120
1997 EA ₆	1997 03 04.94314	11 58 07.92	+00 38 17.5		120
1997 EA ₆	1997 03 04.94772	11 58 07.69	+00 38 18.6		120
1997 EA ₆	1997 03 06.97694	11 56 32.37	+00 53 50.1	18.5 R	120
1997 EA ₆	1997 03 06.98878	11 56 31.86	+00 53 57.4		120
1997 EA ₆	1997 03 07.93477	11 55 46.66	+01 01 16.3	18.5 R	120
1997 EA ₆	1997 03 07.96670	11 55 45.17	+01 01 32.2		120
1997 EA ₆	1997 03 07.98125	11 55 44.33	+01 01 37.5		120
1997 EA ₆	1997 03 07.99514	11 55 43.75	+01 01 44.0		120
1997 EC ₁₈	* 1997 03 09.94620	12 12 35.87	-01 27 11.7	17.9 R	120
1997 EC ₁₈	1997 03 09.96280	12 12 35.23	-01 27 03.0		120
1997 EC ₁₈	1997 03 10.89034	12 11 47.49	-01 18 53.6		120
1997 EC ₁₈	1997 03 10.89522	12 11 47.24	-01 18 51.2	18.0 R	120
1997 EC ₁₈	1997 03 10.90051	12 11 46.92	-01 18 47.5		120
1997 EC ₁₈	1997 03 11.92285	12 10 53.44	-01 09 37.4		120
1997 EC ₁₈	1997 03 11.92867	12 10 53.08	-01 09 33.6		120
1997 EC ₁₈	1997 03 12.04861	12 10 46.57	-01 08 31.4	18.3 R	120
1997 EC ₁₈	1997 03 12.05759	12 10 46.10	-01 08 26.3		120
1997 EC ₁₈	1997 03 12.06016	12 10 45.93	-01 08 24.9		120
1997 EE ₂₉	* 1997 03 13.02521	12 13 52.23	-02 19 40.1	17.6 R	120
1997 EE ₂₉	1997 03 13.03159	12 13 51.87	-02 19 37.2		120
1997 EE ₂₉	1997 03 13.03916	12 13 51.47	-02 19 35.4		120
1997 EE ₂₉	1997 03 13.96762	12 13 05.04	-02 14 51.0	17.9 R	120
1997 EE ₂₉	1997 03 13.97024	12 13 04.87	-02 14 49.6		120
1997 EE ₂₉	1997 03 13.97306	12 13 04.63	-02 14 49.8		120
(122)	1997 03 10.89034	12 11 34.57	-01 14 28.6	12.3 R	120
(122)	1997 03 10.89185	12 11 34.50	-01 14 28.0		120
(122)	1997 03 10.89522	12 11 34.36	-01 14 27.1		120
(122)	1997 03 10.89789	12 11 34.26	-01 14 26.4		120
(122)	1997 03 10.90051	12 11 34.16	-01 14 25.6		120
(122)	1997 03 10.91271	12 11 33.65	-01 14 22.0		120
(1919)	1997 03 10.91802	12 11 48.88	-00 43 02.9	15.7 R	120
(1919)	1997 03 10.94527	12 11 46.15	-00 43 13.9		120
(1919)	1997 03 10.98150	12 11 42.54	-00 43 28.5		120

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0.70-m $f/4$ reflector + CCD

GSC

1991 VH	1997 02 10.14800	12 13 26.58	+09 46 36.0	16.3 V	121
1991 VH	1997 02 10.15164	12 13 26.58	+09 46 43.3	16.3 V t	121
1991 VH	1997 02 10.15528	12 13 26.55	+09 46 52.0	16.3 V	121
1991 VH	1997 02 10.16028	12 13 26.50	+09 47 04.5	16.3 V	121

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0.20-m $f/6.15$ reflector + CCD

GSC

1997 DQ	* 1997 02 16.10542	11 03 03.13	+13 46 46.9	17.9	124
1997 DQ	1997 02 16.11167	11 03 02.78	+13 46 48.8	18.0	124

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Observers S. Foglia, M. Damiani, G. Pizzetti, M. Bignotti

Measurer M. Damiani

0.40-m $f/6.5$ reflector + CCD

GSC

(2204)	1997 03 01.95161	06 52 37.42	+05 29 10.7		130
(2204)	1997 03 01.95749	06 52 37.97	+05 29 19.4		130
(2204)	1997 03 01.97233	06 52 39.00	+05 29 40.9		130

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Observers H. J. Yan, J. Zhu, X. Zhou, X. Y. Li, Y. J. Chen, L. J. Ma, C. M. Ma,
 R. Chen, Z. Y. Zheng, L. C. Deng

Measurers Y. J. Chen, L. J. Ma, X. Y. Li, X. Zhou, J. Zhu, C. M. Ma

0.60-m Schmidt + CCD

1981 DT	1997 02 18.69381	10 15 43.75	+09 50 49.8		327
1981 DT	1997 02 18.71341	10 15 42.62	+09 50 49.7	17.3	327
1981 DT	1997 02 18.73304	10 15 41.50	+09 50 49.8		327
1981 QQ ₂	1997 02 17.70752	09 17 12.88	+16 02 14.1		327
1981 QQ ₂	1997 02 17.72216	09 17 12.00	+16 02 19.5	18.2	327
1981 QQ ₂	1997 02 17.73685	09 17 11.12	+16 02 25.5		327
1981 WH	1997 02 06.67060	09 28 20.50	+15 15 25.2	16.1	327
1981 WH	1997 02 06.68946	09 28 19.25	+15 15 33.7		327
1981 WH	1997 02 06.70906	09 28 18.00	+15 15 42.6		327
1981 WH	1997 02 17.70752	09 17 13.25	+16 33 24.6		327
1981 WH	1997 02 17.72216	09 17 12.38	+16 33 30.2	16.4	327
1981 WH	1997 02 17.73685	09 17 11.50	+16 33 35.7		327
1984 HJ ₁	1995 12 27.43523	00 39 29.93	+01 30 05.0		327
1984 HJ ₁	1995 12 27.45568	00 39 30.88	+01 30 13.3	19.1 V	327
1984 HJ ₁	1995 12 27.46888	00 39 31.48	+01 30 19.3		327
1984 MR	1997 02 07.73012	10 33 54.00	+09 31 36.2	17.4	327
1984 MR	1997 02 07.74537	10 33 53.25	+09 31 43.2		327
1984 MR	1997 02 07.76118	10 33 52.38	+09 31 51.1		327
1984 MR	1997 02 14.71384	10 27 47.88	+10 27 52.6		327
1984 MR	1997 02 14.72819	10 27 47.00	+10 27 59.7	17.1	327

1984 MR	1997 02 14.74258	10 27 46.25	+10 28 06.7		327	1992 SS ₁₆	1997 02 06.68472	09 28 33.75	+13 49 48.3	17.8	327
1987 QF ₃	1997 02 06.67060	09 29 52.75	+15 24 10.7	17.1	327	1992 SS ₁₆	1997 02 06.70435	09 28 32.38	+13 49 55.0		327
1987 QF ₃	1997 02 06.68946	09 29 51.62	+15 24 18.2		327	1992 SS ₁₆	1997 02 15.61922	09 18 47.50	+14 37 27.2		327
1987 QF ₃	1997 02 06.70906	09 29 50.38	+15 24 25.8		327	1992 SS ₁₆	1997 02 15.63647	09 18 46.50	+14 37 33.0	18.0	327
1987 QF ₃	1997 02 17.70752	09 19 23.62	+16 35 14.6	17.9	327	1992 SS ₁₆	1997 02 15.65200	09 18 45.25	+14 37 37.7		327
1987 QF ₃	1997 02 17.72216	09 19 22.75	+16 35 20.3		327	1992 UU ₂	1997 01 30.75558	10 18 06.88	+21 16 51.2	16.0	327
1987 QF ₃	1997 02 17.73685	09 19 22.00	+16 35 25.3		327	1992 UU ₂	1997 01 30.77028	10 18 06.00	+21 16 58.2		327
1988 RV ₁	1997 01 28.72660	09 35 27.38	+21 40 32.2	17.0	327	1992 UU ₂	1997 01 30.78487	10 18 05.12	+21 17 05.2		327
1988 RV ₁	1997 01 28.74178	09 35 26.50	+21 40 35.8		327	1992 UE ₄	1997 01 26.75192	08 12 44.12	+23 43 25.0	16.9	327
1988 RV ₁	1997 01 28.75712	09 35 25.50	+21 40 39.5		327	1992 UE ₄	1997 01 26.76692	08 12 43.12	+23 43 29.2		327
1988 RD ₆	1997 02 01.48882	04 01 29.81	+22 19 37.3		327	1992 UE ₄	1997 01 26.78204	08 12 42.12	+23 43 33.0		327
1988 RD ₆	1997 02 01.50382	04 01 30.50	+22 19 39.1	19.0	327	1993 FO ₂₁	1997 02 14.76337	10 03 57.38	+17 04 11.3		327
1988 RD ₆	1997 02 01.51929	04 01 31.12	+22 19 41.0		327	1993 FO ₂₁	1997 02 14.77812	10 03 56.50	+17 04 14.6	18.7	327
1988 RG ₉	1996 01 17.44112	03 15 38.17	+14 55 42.3		327	1993 FO ₂₁	1997 02 14.79288	10 03 55.62	+17 04 17.6		327
1988 RG ₉	1996 01 17.45767	03 15 38.80	+14 55 47.5	18.8 V	327	1994 JG ₉	1997 02 14.76839	10 02 11.75	+17 19 37.5	18.6	327
1988 RG ₉	1996 01 17.47291	03 15 39.37	+14 55 52.6		327	1994 JG ₉	1997 02 14.78330	10 02 10.88	+17 19 43.2		327
1988 TM ₁	1997 02 15.57050	07 44 52.12	+18 14 41.3		327	1994 JG ₉	1997 02 14.79797	10 02 10.12	+17 19 48.8		327
1988 TM ₁	1997 02 15.58509	07 44 51.62	+18 14 44.6	17.8	327	1994 JK ₉	1997 02 01.48882	04 01 09.44	+21 39 11.2	18.6	327
1988 TM ₁	1997 02 15.59948	07 44 51.12	+18 14 45.7		327	1994 JK ₉	1997 02 01.50382	04 01 09.56	+21 39 15.0		327
1989 AD	1997 01 28.82556	10 48 05.88	+13 52 27.3	16.7	327	1994 JK ₉	1997 02 01.51929	04 01 09.75	+21 39 18.5		327
1989 AD	1997 01 28.84459	10 48 05.00	+13 52 31.2		327	1995 SR ₃	1997 02 07.72485	10 31 17.38	+09 07 30.2		327
1989 AD	1997 01 28.86360	10 48 04.00	+13 52 35.2		327	1995 SR ₃	1997 02 07.74017	10 31 16.50	+09 07 33.3		327
1990 BV	1997 02 11.47690	04 11 24.06	+19 53 35.3	17.4	327	1995 SR ₃	1997 02 07.75593	10 31 15.50	+09 07 36.3	17.8	327
1990 BV	1997 02 11.48726	04 11 24.81	+19 53 42.3		327	1995 SR ₃	1997 02 14.72352	10 24 09.12	+09 32 33.1		327
1990 BV	1997 02 11.49750	04 11 25.62	+19 53 47.2		327	1995 SR ₃	1997 02 14.73784	10 24 08.12	+09 32 36.2		327
1990 BV	1997 02 12.49197	04 12 45.75	+20 03 36.0	17.3	327	1995 SR ₃	1997 02 14.75324	10 24 07.12	+09 32 39.6	17.5	327
1990 BV	1997 02 12.49630	04 12 46.06	+20 03 38.5		327	1995 SR ₃	1997 02 18.69872	10 19 54.50	+09 47 31.5	17.3	327
1990 BV	1997 02 12.50102	04 12 46.44	+20 03 41.2		327	1995 SR ₃	1997 02 18.71830	10 19 53.12	+09 47 36.1		327
1990 BV	1997 02 12.50576	04 12 46.88	+20 03 44.2		327	1995 SR ₃	1997 02 18.73789	10 19 51.88	+09 47 40.7		327
1990 SC ₁₃	1996 10 14.85375	06 21 31.78	+23 33 20.9	18.3 V	327	1995 SO ₂₉	1997 01 27.70082	08 47 56.38	+17 18 09.1		327
1990 SC ₁₃	1996 10 14.86242	06 21 32.02	+23 33 21.2		327	1995 SO ₂₉	1997 01 27.71584	08 47 55.62	+17 18 12.5	17.2	327
1990 SC ₁₃	1996 10 14.87110	06 21 32.19	+23 33 21.0		327	1995 SO ₂₉	1997 01 27.73080	08 47 54.88	+17 18 15.6		327
1991 BA ₃	1997 02 20.78434	13 43 14.25	+00 44 52.8	17.9	327	1995 UX ₂	1995 12 05.90292	06 58 36.25	+37 08 47.1	18.7 V	327
1991 BA ₃	1997 02 20.79440	13 43 14.25	+00 44 55.8		327	1995 UX ₂	1995 12 05.91274	06 58 35.83	+37 08 50.6		327
1991 BA ₃	1997 02 20.80448	13 43 14.25	+00 44 59.8		327	1995 UX ₂	1995 12 05.92152	06 58 35.36	+37 08 52.8		327
1991 PO ₁₃	1997 02 07.80711	12 27 50.75	-03 22 58.8		327	1995 UX ₂	1995 12 26.62896	06 39 23.09	+38 23 54.8		327
1991 PO ₁₃	1997 02 07.82251	12 27 50.50	-03 22 58.3		327	1995 UX ₂	1995 12 26.65376	06 39 21.52	+38 23 58.9	17.9 V	327
1991 PO ₁₃	1997 02 07.83780	12 27 50.25	-03 22 58.8	18.4	327	1995 UX ₂	1995 12 26.67056	06 39 20.38	+38 24 01.0		327
1991 RW ₁₉	1997 02 04.59351	09 09 51.75	+12 43 16.8		327	1995 VA ₂	1997 03 03.68565	11 17 36.50	+22 35 06.2		327
1991 RW ₁₉	1997 02 04.59859	09 09 51.38	+12 43 17.6	17.6	327	1995 VA ₂	1997 03 03.69638	11 17 35.88	+22 35 09.2	17.3	327
1991 RW ₁₉	1997 02 04.60383	09 09 51.12	+12 43 19.2		327	1995 VA ₂	1997 03 03.70663	11 17 35.25	+22 35 12.1		327
1991 RW ₁₉	1997 02 04.60885	09 09 50.75	+12 43 21.0		327	1995 VA ₂	1997 03 08.67692	11 12 43.75	+22 56 59.3		327
1991 RD ₂₄	1997 02 07.58377	07 29 10.75	+21 47 15.0		327	1995 VA ₂	1997 03 08.69182	11 12 42.88	+22 57 02.8		327
1991 RD ₂₄	1997 02 07.59897	07 29 10.00	+21 47 18.5	17.1	327	1995 VA ₂	1997 03 08.70696	11 12 41.88	+22 57 06.3	17.2	327
1991 RD ₂₄	1997 02 07.61367	07 29 09.25	+21 47 21.5		327	1995 VA ₂	1997 03 11.72259	11 09 45.25	+23 07 31.3		327
1992 EA ₂₂	1997 02 17.65830	08 54 05.00	+15 31 35.7		327	1995 VA ₂	1997 03 11.73235	11 09 44.75	+23 07 33.2	17.1	327
1992 EA ₂₂	1997 02 17.67296	08 54 04.38	+15 31 42.1	17.2	327	1995 VA ₂	1997 03 11.74181	11 09 44.12	+23 07 34.8		327
1992 EA ₂₂	1997 02 17.68787	08 54 03.62	+15 31 47.3		327	1995 WM ₅	1997 02 07.72485	10 29 16.88	+09 52 57.6	17.9	327
1992 PV ₁	1997 02 12.47097	04 41 18.75	+17 28 04.7	18.8	327	1995 WM ₅	1997 02 07.74017	10 29 16.25	+09 53 01.7		327
1992 PV ₁	1997 02 12.47531	04 41 18.88	+17 28 05.2		327	1995 WM ₅	1997 02 07.75593	10 29 15.50	+09 53 05.1		327
1992 PV ₁	1997 02 12.48584	04 41 19.25	+17 28 07.7		327	1995 WM ₅	1997 02 14.72352	10 24 01.25	+10 21 15.5		327
1992 SS ₁₆	1997 02 06.66589	09 28 35.00	+13 49 42.2		327	1995 WM ₅	1997 02 14.73784	10 24 00.50	+10 21 18.3	17.6	327

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1995 WM ₅	1997 02 14.75324	10 23 59.75	+10 21 22.2		327	1997 AF ₁₄	1997 02 17.56417	09 13 42.88	+29 52 08.7		327
1995 WM ₅	1997 02 18.68301	10 20 54.25	+10 37 47.1	17.5	327	1997 AF ₁₄	1997 02 17.57941	09 13 42.12	+29 52 12.7	17.8	327
1995 WM ₅	1997 02 18.70358	10 20 53.25	+10 37 52.3		327	1997 AT ₁₄	1997 02 11.55931	07 05 14.38	+22 24 30.7	18.5	327
1995 WM ₅	1997 02 18.72319	10 20 52.25	+10 37 57.2		327	1997 AT ₁₄	1997 02 11.56955	07 05 14.00	+22 24 31.3		327
1996 EU ₂	1997 02 07.77703	11 21 52.88	-17 55 50.3	16.6	327	1997 AT ₁₄	1997 02 11.57959	07 05 13.62	+22 24 32.2		327
1996 EU ₂	1997 02 07.78682	11 21 52.62	-17 55 51.2		327	1997 AQ ₁₆	1996 12 08.75406	07 33 02.55	+21 34 05.6	17.4 V	327
1996 EU ₂	1997 02 07.79637	11 21 52.38	-17 55 52.2		327	1997 AQ ₁₆	1996 12 08.76708	07 33 01.95	+21 34 07.4		327
1996 SD ₁	1997 02 17.47378	01 56 09.00	+16 42 56.5	18.7	327	1997 AQ ₁₆	1996 12 08.78012	07 33 01.37	+21 34 08.5		327
1996 SD ₁	1997 02 17.48385	01 56 09.75	+16 43 00.2		327	1997 AM ₁₉	1997 02 14.59267	07 23 40.88	+20 07 13.7	16.6	327
1996 SD ₁	1997 02 17.50266	01 56 11.00	+16 43 08.3		327	1997 AM ₁₉	1997 02 14.60734	07 23 40.38	+20 07 16.6		327
1996 SV ₇	1997 01 29.43646	01 37 35.81	+14 54 56.7		327	1997 AM ₁₉	1997 02 14.62215	07 23 39.75	+20 07 18.8		327
1996 SV ₇	1997 01 29.44922	01 37 37.00	+14 55 01.7	18.5	327	1997 AP ₂₂	1997 02 06.60306	07 56 09.25	+21 48 24.0		327
1996 SV ₇	1997 01 29.45976	01 37 38.06	+14 55 05.7		327	1997 AP ₂₂	1997 02 06.61069	07 56 08.88	+21 48 26.6	18.1	327
1996 VU ₆	1997 02 06.49826	03 41 10.75	+22 16 35.6	18.9	327	1997 AP ₂₂	1997 02 06.61524	07 56 08.62	+21 48 27.7		327
1996 VU ₆	1997 02 06.51255	03 41 11.75	+22 16 40.7		327	1997 AR ₂₂	1997 02 06.72392	09 16 30.75	+25 44 27.1		327
1996 VU ₆	1997 02 06.52691	03 41 12.81	+22 16 46.6		327	1997 AR ₂₂	1997 02 06.73402	09 16 30.00	+25 44 29.2	18.0	327
1996 YP	1997 02 11.55424	07 01 26.00	+21 53 52.7	16.9	327	1997 AR ₂₂	1997 02 06.74414	09 16 29.38	+25 44 31.6		327
1996 YP	1997 02 11.56447	07 01 25.62	+21 53 51.2		327	1997 AQ ₂₃	* 1997 01 14.71297	09 16 53.12	+06 39 12.7		327
1996 YP	1997 02 11.57457	07 01 25.38	+21 53 49.7		327	1997 AQ ₂₃	1997 01 14.72420	09 16 52.62	+06 39 17.5	18.2	327
1996 YV ₁	1997 02 07.72485	10 31 55.75	+09 18 43.2		327	1997 AQ ₂₃	1997 01 14.74238	09 16 52.00	+06 39 23.5		327
1996 YV ₁	1997 02 07.73012	10 31 55.50	+09 18 44.8	17.8	327	1997 AQ ₂₃	1997 01 14.75096	09 16 51.75	+06 39 27.1		327
1996 YV ₁	1997 02 07.74017	10 31 54.88	+09 18 47.0	17.8	327	1997 AQ ₂₃	1997 01 14.75971	09 16 51.38	+06 39 30.1		327
1996 YV ₁	1997 02 07.74537	10 31 54.62	+09 18 48.8		327	1997 AQ ₂₃	1997 01 17.72477	09 14 58.38	+06 59 51.2		327
1996 YV ₁	1997 02 07.75593	10 31 54.12	+09 18 51.0		327	1997 AQ ₂₃	1997 01 17.73206	09 14 58.00	+06 59 54.6	18.5	327
1996 YV ₁	1997 02 07.76118	10 31 53.88	+09 18 52.2		327	1997 AQ ₂₃	1997 01 17.73605	09 14 57.88	+06 59 56.2		327
1996 YV ₁	1997 02 14.71384	10 25 46.62	+09 48 35.3		327	1997 AQ ₂₃	1997 01 17.74039	09 14 57.75	+06 59 58.0		327
1996 YV ₁	1997 02 14.72819	10 25 45.88	+09 48 39.2		327	1997 BR	1997 02 28.49176	09 17 21.49	+54 28 00.1	17.9	327
1996 YV ₁	1997 02 14.74258	10 25 45.00	+09 48 43.1	18.0	327	1997 BR	1997 02 28.49652	09 17 20.78	+54 28 11.6		327
1996 YV ₁	1997 02 18.68301	10 22 06.25	+10 06 20.8	17.8	327	1997 BZ	1997 02 07.57889	07 25 43.75	+21 58 33.8		327
1996 YV ₁	1997 02 18.70358	10 22 05.00	+10 06 26.6		327	1997 BZ	1997 02 07.59409	07 25 43.00	+21 58 32.7		327
1996 YV ₁	1997 02 18.72319	10 22 03.88	+10 06 33.1		327	1997 BZ	1997 02 07.60873	07 25 42.25	+21 58 31.2	17.8	327
1997 AA ₁	1995 12 27.44078	00 17 16.36	+00 55 09.3		327	1997 BM ₃	1997 02 17.75769	10 09 34.75	+14 33 13.2	16.7	327
1997 AA ₁	1995 12 27.46001	00 17 17.41	+00 55 18.3	17.6 V	327	1997 BM ₃	1997 02 17.77227	10 09 33.88	+14 33 15.2		327
1997 AA ₁	1995 12 27.47334	00 17 18.18	+00 55 23.7		327	1997 BM ₃	1997 02 17.78679	10 09 33.00	+14 33 16.3		327
1997 AW ₂	1997 02 06.62061	08 12 14.25	+27 33 12.0	17.1	327	1997 BU ₅	1996 12 21.87439	10 26 34.38	+09 57 08.5		327
1997 AW ₂	1997 02 06.63547	08 12 13.50	+27 33 13.1		327	1997 BU ₅	1996 12 21.88743	10 26 34.62	+09 57 07.0	19.1	327
1997 AW ₂	1997 02 06.65047	08 12 12.62	+27 33 14.0		327	1997 BU ₅	1996 12 21.90045	10 26 34.88	+09 57 05.6		327
1997 AC ₃	1997 02 06.62061	08 13 42.75	+26 45 35.1	17.4	327	1997 BU ₅	1996 12 21.91346	10 26 35.12	+09 57 03.7		327
1997 AC ₃	1997 02 06.63547	08 13 41.75	+26 45 33.5		327	1997 BS ₆	1997 02 04.69071	09 59 03.00	+16 17 49.5		327
1997 AC ₃	1997 02 06.65047	08 13 40.88	+26 45 31.8		327	1997 BS ₆	1997 02 04.69541	09 59 02.75	+16 17 52.6	17.0	327
1997 AL ₇	1997 01 27.70579	08 55 45.50	+14 57 03.6	16.5	327	1997 BS ₆	1997 02 04.70008	09 59 02.50	+16 17 55.7		327
1997 AL ₇	1997 01 27.72071	08 55 44.50	+14 57 08.7		327	1997 BS ₆	1997 02 04.70484	09 59 02.12	+16 17 58.7		327
1997 AL ₇	1997 01 27.73569	08 55 43.62	+14 57 14.2		327	1997 BE ₇	1997 02 17.66796	08 53 12.88	+08 53 52.1	18.4	327
1997 AD ₁₀	1997 02 12.59410	08 58 06.00	+16 09 33.0	19.2	327	1997 BE ₇	1997 02 17.68281	08 53 12.12	+08 53 57.5		327
1997 AD ₁₀	1997 02 12.59844	08 58 05.75	+16 09 34.2		327	1997 BE ₇	1997 02 17.69752	08 53 11.38	+08 54 02.3		327
1997 AD ₁₀	1997 02 12.60365	08 58 05.50	+16 09 36.2		327	1997 BT ₈	1997 02 04.66491	08 00 38.50	+21 15 21.8		327
1997 AD ₁₀	1997 02 12.60807	08 58 05.25	+16 09 37.3		327	1997 BT ₈	1997 02 04.67473	08 00 38.00	+21 15 27.8	18.8	327
1997 AM ₁₁	1997 02 11.70512	08 48 06.88	+15 45 23.1		327	1997 BT ₈	1997 02 04.68456	08 00 37.50	+21 15 32.6		327
1997 AM ₁₁	1997 02 11.72275	08 48 05.88	+15 45 27.1		327	1997 CQ ₁	1997 02 02.60030	09 10 27.25	+12 26 12.1		327
1997 AM ₁₁	1997 02 11.74024	08 48 04.75	+15 45 31.3	19.1	327	1997 CQ ₁	1997 02 02.60463	09 10 27.00	+12 26 14.3		327
1997 AM ₁₁	1997 02 11.77546	08 48 02.62	+15 45 39.1	18.8	327	1997 CQ ₁	1997 02 02.60896	09 10 26.75	+12 26 16.7	17.8	327
1997 AF ₁₄	1997 02 17.54902	09 13 43.75	+29 52 03.7		327	1997 CQ ₁	1997 02 02.61329	09 10 26.62	+12 26 19.1		327

1997 CG ₃	1997 02 02.60030	09 10 07.00	+12 13 51.0	327	1997 CZ ₁₅	1997 02 14.72352	10 22 11.62	+10 22 26.2	18.1	327
1997 CG ₃	1997 02 02.60463	09 10 06.75	+12 13 51.8	327	1997 CZ ₁₅	1997 02 14.73784	10 22 11.00	+10 22 30.3		327
1997 CG ₃	1997 02 02.60896	09 10 06.50	+12 13 52.5	327	1997 CZ ₁₅	1997 02 14.75324	10 22 10.25	+10 22 34.2		327
1997 CG ₃	1997 02 02.61329	09 10 06.38	+12 13 54.2	18.7	327	1997 CA ₁₆	1997 02 07.71494	10 27 35.12	+09 57 39.0	18.6
1997 CJ ₃	1997 02 04.69071	09 57 30.12	+15 48 03.2	327	1997 CA ₁₆	1997 02 07.71964	10 27 34.88	+09 57 39.2		327
1997 CJ ₃	1997 02 04.69541	09 57 29.75	+15 48 05.7	327	1997 CA ₁₆	1997 02 07.73512	10 27 34.12	+09 57 41.7		327
1997 CJ ₃	1997 02 04.70008	09 57 29.62	+15 48 08.1	327	1997 CA ₁₆	1997 02 07.75049	10 27 33.25	+09 57 44.7		327
1997 CJ ₃	1997 02 04.70484	09 57 29.38	+15 48 10.2	17.9	327	1997 CA ₁₆	1997 02 14.72352	10 21 18.62	+10 17 51.6	18.1
1997 CF ₆	1997 02 14.76839	10 02 12.00	+16 49 14.7	327	1997 CA ₁₆	1997 02 14.73784	10 21 17.75	+10 17 54.1		327
1997 CF ₆	1997 02 14.78330	10 02 11.00	+16 49 14.2	17.7	327	1997 CA ₁₆	1997 02 14.75324	10 21 16.88	+10 17 56.8	327
1997 CF ₆	1997 02 14.79797	10 02 10.00	+16 49 14.6	327	1997 CA ₁₆	1997 02 18.69381	10 17 36.25	+10 29 50.7		327
1997 CG ₆	1997 02 19.80975	13 43 55.50	+00 59 50.8	16.1	327	1997 CA ₁₆	1997 02 18.71341	10 17 35.00	+10 29 54.8	18.6
1997 CG ₆	1997 02 19.82481	13 43 55.75	+00 59 50.6	327	1997 CA ₁₆	1997 02 18.73304	10 17 33.88	+10 29 58.7		327
1997 CG ₆	1997 02 19.83913	13 43 56.00	+00 59 51.3	327	1997 CG ₁₉	1997 02 14.80487	10 12 55.50	+13 31 41.7	18.6	327
1997 CG ₆	1997 02 20.78434	13 44 13.41	+01 00 04.8	17.0	327	1997 CG ₁₉	1997 02 14.82010	10 12 54.50	+13 31 45.5	327
1997 CG ₆	1997 02 20.79440	13 44 13.56	+01 00 04.2	327	1997 CG ₁₉	1997 02 14.82483	10 12 54.25	+13 31 46.6		327
1997 CG ₆	1997 02 20.80448	13 44 13.69	+01 00 04.9	327	1997 CP ₁₉	1997 02 06.80733	10 19 38.12	+13 25 02.1		327
1997 CX ₆	1997 01 30.69740	09 15 16.50	+16 38 41.2	18.9	327	1997 CP ₁₉	1997 02 06.81726	10 19 37.62	+13 25 09.3	16.6
1997 CX ₆	1997 01 30.71273	09 15 15.38	+16 38 42.2	327	1997 CP ₁₉	1997 02 06.82703	10 19 37.25	+13 25 17.8		327
1997 CX ₆	1997 01 30.72833	09 15 14.25	+16 38 43.5	327	1997 CP ₁₉	1997 02 17.75286	10 10 35.75	+15 29 46.0	16.7	327
1997 CQ ₇	1997 02 02.60030	09 12 09.75	+12 11 37.1	18.7	327	1997 CP ₁₉	1997 02 17.76735	10 10 35.00	+15 29 55.5	327
1997 CQ ₇	1997 02 02.60463	09 12 09.50	+12 11 38.8	327	1997 CP ₁₉	1997 02 17.78199	10 10 34.12	+15 30 05.7		327
1997 CQ ₇	1997 02 02.60896	09 12 09.25	+12 11 41.1	327	1997 CP ₁₉	1997 02 18.57495	10 09 53.88	+15 38 55.2		327
1997 CQ ₇	1997 02 02.61329	09 12 09.00	+12 11 43.0	327	1997 CP ₁₉	1997 02 18.62726	10 09 51.12	+15 39 31.3	16.5	327
1997 CH ₉	1997 02 14.71877	10 22 39.38	+11 24 05.0	18.3	327	1997 CP ₁₉	1997 02 18.63794	10 09 50.62	+15 39 37.1	327
1997 CH ₉	1997 02 14.73308	10 22 38.62	+11 24 08.1	327	1997 CO ₂₆	1997 02 18.69381	10 16 31.00	+10 26 56.5	18.2	327
1997 CH ₉	1997 02 14.74738	10 22 37.88	+11 24 11.1	327	1997 CO ₂₆	1997 02 18.71341	10 16 29.62	+10 27 02.7		327
1997 CL ₁₂	1997 02 14.71877	10 22 15.00	+11 07 54.3	327	1997 CO ₂₆	1997 02 18.73304	10 16 28.50	+10 27 09.5		327
1997 CL ₁₂	1997 02 14.73308	10 22 14.25	+11 07 58.5	327	1997 CU ₂₆	1997 02 17.53249	08 30 04.25	+15 35 49.6		327
1997 CL ₁₂	1997 02 14.74738	10 22 13.50	+11 08 01.8	18.5	327	1997 CU ₂₆	1997 02 17.58635	08 30 03.50	+15 35 50.7	17.5
1997 CP ₁₃	1996 12 18.86184	09 52 08.75	+13 31 16.1	327	1997 CU ₂₆	1997 02 17.64240	08 30 02.75	+15 35 51.7		327
1997 CP ₁₃	1996 12 18.87667	09 52 08.88	+13 31 13.7	327	1997 CE ₂₇	1997 02 02.60030	09 10 19.12	+12 10 49.0		327
1997 CP ₁₃	1996 12 18.89337	09 52 09.00	+13 31 12.1	19.1	327	1997 CE ₂₇	1997 02 02.60463	09 10 18.75	+12 10 49.5	327
1997 CP ₁₃	1997 02 06.67060	09 28 08.50	+15 03 23.7	327	1997 CE ₂₇	1997 02 02.60896	09 10 18.50	+12 10 50.5	18.8	327
1997 CP ₁₃	1997 02 06.68946	09 28 07.38	+15 03 28.6	17.1	327	1997 CE ₂₇	1997 02 02.61329	09 10 18.25	+12 10 51.2	327
1997 CP ₁₃	1997 02 06.70906	09 28 06.12	+15 03 33.1	327	1997 CO ₂₇	* 1997 02 02.60030	09 12 07.50	+11 54 41.1		327
1997 CP ₁₃	1997 02 17.70259	09 17 11.00	+15 46 13.2	17.7	327	1997 CO ₂₇	1997 02 02.60463	09 12 07.25	+11 54 40.5	15.4
1997 CP ₁₃	1997 02 17.71722	09 17 10.12	+15 46 15.8	327	1997 CO ₂₇	1997 02 02.60896	09 12 07.00	+11 54 40.2		327
1997 CP ₁₃	1997 02 17.73198	09 17 09.25	+15 46 19.3	327	1997 CO ₂₇	1997 02 02.61329	09 12 06.62	+11 54 39.6		327
1997 CX ₁₃	1997 02 04.69071	09 58 05.50	+16 06 25.3	19.0	327	1997 CO ₂₇	1997 02 13.66100	08 59 43.50	+11 36 19.7	15.8
1997 CX ₁₃	1997 02 04.69541	09 58 05.25	+16 06 27.2	327	1997 CO ₂₇	1997 02 13.66581	08 59 43.12	+11 36 19.1		327
1997 CX ₁₃	1997 02 04.70008	09 58 05.00	+16 06 29.7	327	1997 CO ₂₇	1997 02 13.67064	08 59 42.75	+11 36 18.7		327
1997 CX ₁₃	1997 02 04.70484	09 58 04.75	+16 06 31.5	327	1997 CO ₂₇	1997 02 13.67611	08 59 42.50	+11 36 18.2		327
1997 CE ₁₄	1997 02 14.72352	10 21 28.25	+10 13 11.1	327	1997 CO ₂₇	1997 02 17.66321	08 55 30.75	+11 30 07.7		327
1997 CE ₁₄	1997 02 14.73784	10 21 27.50	+10 13 12.1	327	1997 CO ₂₇	1997 02 17.67795	08 55 29.75	+11 30 07.1		327
1997 CE ₁₄	1997 02 14.75324	10 21 26.62	+10 13 12.7	18.9	327	1997 CO ₂₇	1997 02 17.69267	08 55 28.88	+11 30 05.6	15.9
1997 CX ₁₅	1997 02 14.72352	10 21 28.12	+10 07 36.2	18.4	327	1997 CP ₂₇	* 1997 02 04.71350	10 08 40.38	+16 26 59.1	17.8
1997 CX ₁₅	1997 02 14.73784	10 21 27.50	+10 07 40.1	327	1997 CP ₂₇	1997 02 04.72860	10 08 39.62	+16 27 07.7		327
1997 CX ₁₅	1997 02 14.75324	10 21 26.62	+10 07 44.1	327	1997 CP ₂₇	1997 02 04.74372	10 08 38.88	+16 27 16.2		327
1997 CX ₁₅	1997 02 18.69381	10 18 08.38	+10 25 02.2	18.5	327	1997 CP ₂₇	1997 02 14.75860	10 00 21.25	+18 02 17.6	327
1997 CX ₁₅	1997 02 18.71341	10 18 07.25	+10 25 07.7	327	1997 CP ₂₇	1997 02 14.77322	10 00 20.38	+18 02 26.0	17.6	327
1997 CX ₁₅	1997 02 18.73304	10 18 06.25	+10 25 13.5	327	1997 CP ₂₇	1997 02 14.78807	10 00 19.62	+18 02 34.0		327

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1997 CQ ₂₇	* 1997 02 04.71350	10 08 45.50	+16 57 27.7	18.4	327	1997 CX ₂₇	1997 03 03.63285	09 11 26.50	+17 17 05.5	18.0	327
1997 CQ ₂₇	1997 02 04.72860	10 08 44.62	+16 57 33.2		327	1997 CX ₂₇	1997 03 03.64244	09 11 26.12	+17 17 07.7		327
1997 CQ ₂₇	1997 02 04.74372	10 08 43.62	+16 57 38.8		327	1997 CY ₂₇	* 1997 02 06.67539	09 35 44.00	+14 28 48.2		327
1997 CQ ₂₇	1997 02 14.75860	09 58 24.62	+17 54 03.6	18.6	327	1997 CY ₂₇	1997 02 06.68012	09 35 43.62	+14 28 47.7		327
1997 CQ ₂₇	1997 02 14.77322	09 58 23.75	+17 54 07.5		327	1997 CY ₂₇	1997 02 06.69485	09 35 42.75	+14 28 47.7	17.3	327
1997 CQ ₂₇	1997 02 14.78807	09 58 22.75	+17 54 12.6		327	1997 CY ₂₇	1997 02 06.69955	09 35 42.38	+14 28 46.7	17.0	327
1997 CR ₂₇	* 1997 02 04.71350	10 09 08.75	+16 50 32.3		327	1997 CY ₂₇	1997 02 06.71387	09 35 41.50	+14 28 46.7		327
1997 CR ₂₇	1997 02 04.72860	10 09 08.00	+16 50 40.6		327	1997 CY ₂₇	1997 02 06.71875	09 35 41.12	+14 28 46.5		327
1997 CR ₂₇	1997 02 04.74372	10 09 07.12	+16 50 48.6	18.3	327	1997 CY ₂₇	1997 02 15.62910	09 26 26.00	+14 22 29.2	16.9	327
1997 CR ₂₇	1997 02 14.75860	09 59 25.25	+18 18 09.2	18.4	327	1997 CY ₂₇	1997 02 15.64635	09 26 24.88	+14 22 28.0		327
1997 CR ₂₇	1997 02 14.77322	09 59 24.25	+18 18 17.2		327	1997 CY ₂₇	1997 02 15.66231	09 26 24.00	+14 22 27.8		327
1997 CR ₂₇	1997 02 14.78807	09 59 23.38	+18 18 24.6		327	1997 CY ₂₇	1997 02 17.71229	09 24 19.00	+14 20 41.8		327
1997 CS ₂₇	* 1997 02 04.71350	10 09 38.88	+16 46 22.3		327	1997 CY ₂₇	1997 02 17.72714	09 24 18.12	+14 20 41.3	17.0	327
1997 CS ₂₇	1997 02 04.72860	10 09 38.12	+16 46 29.6	18.5	327	1997 CY ₂₇	1997 02 17.74177	09 24 17.25	+14 20 40.2		327
1997 CS ₂₇	1997 02 04.74372	10 09 37.25	+16 46 35.6		327	1997 CZ ₂₇	* 1997 02 06.80733	10 19 03.62	+12 59 00.2		327
1997 CS ₂₇	1997 02 14.75860	10 00 49.25	+17 55 11.8	18.5	327	1997 CZ ₂₇	1997 02 06.81726	10 19 03.12	+12 59 01.7	18.1	327
1997 CS ₂₇	1997 02 14.77322	10 00 48.50	+17 55 17.5		327	1997 CZ ₂₇	1997 02 06.82703	10 19 02.50	+12 59 03.3		327
1997 CS ₂₇	1997 02 14.78807	10 00 47.62	+17 55 22.8		327	1997 CZ ₂₇	1997 02 14.80487	10 10 53.25	+13 25 37.2	18.2	327
1997 CT ₂₇	* 1997 02 04.71350	10 09 51.12	+17 04 10.7		327	1997 CZ ₂₇	1997 02 14.82010	10 10 52.25	+13 25 39.6		327
1997 CT ₂₇	1997 02 04.72860	10 09 50.38	+17 04 18.8	18.8	327	1997 CZ ₂₇	1997 02 14.82483	10 10 51.88	+13 25 40.7		327
1997 CT ₂₇	1997 02 04.74372	10 09 49.50	+17 04 26.1		327	1997 CA ₂₈	* 1997 02 06.80733	10 19 06.75	+12 43 02.0	18.2	327
1997 CT ₂₇	1997 02 14.75860	10 00 42.62	+18 23 37.1	18.0	327	1997 CA ₂₈	1997 02 06.81726	10 19 06.25	+12 43 03.2		327
1997 CT ₂₇	1997 02 14.77322	10 00 41.75	+18 23 43.7		327	1997 CA ₂₈	1997 02 06.82703	10 19 05.62	+12 43 03.8		327
1997 CT ₂₇	1997 02 14.78807	10 00 40.88	+18 23 49.7		327	1997 CA ₂₈	1997 02 14.80487	10 10 29.50	+12 56 43.7		327
1997 CU ₂₇	* 1997 02 04.71350	10 10 06.88	+16 38 57.7		327	1997 CA ₂₈	1997 02 14.82010	10 10 28.50	+12 56 45.5		327
1997 CU ₂₇	1997 02 04.72860	10 10 06.12	+16 38 58.7	18.9	327	1997 CA ₂₈	1997 02 14.82483	10 10 28.12	+12 56 45.5	18.3	327
1997 CU ₂₇	1997 02 04.74372	10 10 05.25	+16 39 00.2		327	1997 CB ₂₈	* 1997 02 06.80733	10 19 14.75	+13 14 36.6	17.9	327
1997 CU ₂₇	1997 02 14.76839	10 01 00.38	+16 53 31.0	18.8	327	1997 CB ₂₈	1997 02 06.81726	10 19 14.12	+13 14 41.2		327
1997 CU ₂₇	1997 02 14.78330	10 00 59.50	+16 53 31.7		327	1997 CB ₂₈	1997 02 06.82703	10 19 13.62	+13 14 45.3		327
1997 CU ₂₇	1997 02 14.79797	10 00 58.62	+16 53 33.1		327	1997 CB ₂₈	1997 02 17.75769	10 08 48.75	+14 39 55.1	17.7	327
1997 CV ₂₇	* 1997 02 04.71350	10 10 09.00	+17 01 46.7		327	1997 CB ₂₈	1997 02 17.77227	10 08 47.88	+14 40 02.1		327
1997 CV ₂₇	1997 02 04.72860	10 10 08.12	+17 01 55.1		327	1997 CB ₂₈	1997 02 17.78679	10 08 46.88	+14 40 08.8		327
1997 CV ₂₇	1997 02 04.74372	10 10 07.25	+17 02 03.1	19.1	327	1997 CB ₂₈	1997 02 18.57005	10 08 01.12	+14 46 07.7		327
1997 CV ₂₇	1997 02 14.75860	10 00 53.00	+18 27 28.2	18.6	327	1997 CB ₂₈	1997 02 18.58976	10 08 00.00	+14 46 16.3	17.6	327
1997 CV ₂₇	1997 02 14.77322	10 00 52.00	+18 27 35.7		327	1997 CB ₂₈	1997 02 18.63301	10 07 57.38	+14 46 36.6		327
1997 CV ₂₇	1997 02 14.78807	10 00 51.12	+18 27 42.5		327	1997 CB ₂₈	1997 02 18.64282	10 07 56.75	+14 46 40.7		327
1997 CW ₂₇	* 1997 02 06.66589	09 29 09.88	+13 35 59.5	17.4	327	1997 CB ₂₈	1997 02 18.65248	10 07 56.12	+14 46 45.6		327
1997 CW ₂₇	1997 02 06.68472	09 29 08.62	+13 36 04.6		327	1997 CC ₂₈	* 1997 02 06.80733	10 19 35.50	+12 47 01.1	18.1	327
1997 CW ₂₇	1997 02 06.70435	09 29 07.38	+13 36 09.8		327	1997 CC ₂₈	1997 02 06.81726	10 19 34.88	+12 47 04.8		327
1997 CW ₂₇	1997 02 13.68205	09 22 02.38	+14 06 38.2	17.5	327	1997 CC ₂₈	1997 02 06.82703	10 19 34.38	+12 47 09.2		327
1997 CW ₂₇	1997 02 13.68719	09 22 02.00	+14 06 39.7	17.6	327	1997 CC ₂₈	1997 02 14.80487	10 12 34.12	+13 39 20.1		327
1997 CW ₂₇	1997 02 13.69244	09 22 01.75	+14 06 40.8		327	1997 CC ₂₈	1997 02 14.82010	10 12 33.25	+13 39 25.8	18.2	327
1997 CW ₂₇	1997 02 13.69763	09 22 01.38	+14 06 42.3		327	1997 CC ₂₈	1997 02 14.82483	10 12 33.00	+13 39 27.6		327
1997 CW ₂₇	1997 02 13.70289	09 22 01.12	+14 06 43.3		327	1997 CC ₂₈	1997 02 17.76247	10 09 50.75	+13 58 35.7	18.0	327
1997 CW ₂₇	1997 02 13.70954	09 22 00.62	+14 06 45.5		327	1997 CC ₂₈	1997 02 17.77709	10 09 49.88	+13 58 40.8		327
1997 CX ₂₇	* 1997 02 06.67060	09 29 30.50	+15 13 44.6		327	1997 CC ₂₈	1997 02 17.79157	10 09 49.12	+13 58 46.6		327
1997 CX ₂₇	1997 02 06.68946	09 29 29.50	+15 13 50.8	17.4	327	1997 CD ₂₈	* 1997 02 06.80733	10 21 17.00	+12 54 22.8		327
1997 CX ₂₇	1997 02 06.70906	09 29 28.50	+15 13 57.3		327	1997 CD ₂₈	1997 02 06.81726	10 21 16.38	+12 54 25.0	18.7	327
1997 CX ₂₇	1997 02 17.70752	09 20 48.12	+16 13 30.2		327	1997 CD ₂₈	1997 02 06.82703	10 21 15.88	+12 54 26.6		327
1997 CX ₂₇	1997 02 17.72216	09 20 47.38	+16 13 34.2	17.6	327	1997 CD ₂₈	1997 02 14.80958	10 13 46.62	+13 22 49.7		327
1997 CX ₂₇	1997 02 17.73685	09 20 46.75	+16 13 38.7		327	1997 CD ₂₈	1997 02 14.81444	10 13 46.38	+13 22 51.1		327
1997 CX ₂₇	1997 03 03.62293	09 11 26.88	+17 17 03.0		327	1997 CD ₂₈	1997 02 14.82951	10 13 45.50	+13 22 54.2	17.9	327

1997 CD ₂₈	1997 02 17.76247	10 10 54.62	+13 33 09.5		327	1997 CL ₂₈	1997 02 15.64163	09 20 38.88	+13 50 01.8		327
1997 CD ₂₈	1997 02 17.77709	10 10 53.62	+13 33 12.5	18.1	327	1997 CL ₂₈	1997 02 15.65200	09 20 38.25	+13 50 05.7		327
1997 CD ₂₈	1997 02 17.79157	10 10 52.75	+13 33 15.3		327	1997 CL ₂₈	1997 02 15.65707	09 20 38.12	+13 50 06.1		327
1997 CE ₂₈	* 1997 02 06.80733	10 22 19.62	+12 32 47.2	17.3	327	1997 CM ₂₈	* 1997 02 13.68719	09 24 41.12	+13 29 21.3		327
1997 CE ₂₈	1997 02 06.81726	10 22 19.25	+12 32 50.2		327	1997 CM ₂₈	1997 02 13.69763	09 24 40.50	+13 29 24.7	17.7	327
1997 CE ₂₈	1997 02 06.82703	10 22 18.75	+12 32 53.3		327	1997 CM ₂₈	1997 02 13.70954	09 24 39.88	+13 29 28.2		327
1997 CE ₂₈	1997 02 14.80958	10 16 15.75	+13 15 38.7	17.1	327	1997 CM ₂₈	1997 02 15.62434	09 22 58.25	+13 39 16.7		327
1997 CE ₂₈	1997 02 14.81444	10 16 15.50	+13 15 40.3		327	1997 CM ₂₈	1997 02 15.64163	09 22 57.25	+13 39 23.1		327
1997 CE ₂₈	1997 02 14.82951	10 16 14.88	+13 15 45.1		327	1997 CM ₂₈	1997 02 15.65707	09 22 56.38	+13 39 26.5	18.7	327
1997 CF ₂₈	* 1997 02 07.55197	06 05 48.12	+11 03 55.8		327	1997 CN ₂₈	* 1997 02 14.80487	10 11 54.50	+13 23 58.2		327
1997 CF ₂₈	1997 02 07.55662	06 05 48.00	+11 03 54.3	17.9	327	1997 CN ₂₈	1997 02 14.82010	10 11 53.88	+13 24 06.1	18.6	327
1997 CF ₂₈	1997 02 07.56372	06 05 47.75	+11 03 52.1		327	1997 CN ₂₈	1997 02 14.82483	10 11 53.62	+13 24 08.2		327
1997 CF ₂₈	1997 02 07.56836	06 05 47.62	+11 03 49.6		327	1997 CN ₂₈	1997 02 17.76247	10 09 50.88	+13 47 55.2	18.4	327
1997 CF ₂₈	1997 02 13.45479	06 03 29.25	+10 34 42.7		327	1997 CN ₂₈	1997 02 17.77709	10 09 50.25	+13 48 02.5		327
1997 CF ₂₈	1997 02 13.46462	06 03 29.00	+10 34 39.2	18.2	327	1997 CN ₂₈	1997 02 17.79157	10 09 49.50	+13 48 09.7		327
1997 CF ₂₈	1997 02 13.47410	06 03 28.88	+10 34 36.6		327	1997 CO ₂₈	* 1997 02 14.80487	10 13 06.50	+13 04 43.3	17.6	327
1997 CG ₂₈	* 1997 02 07.72485	10 29 52.25	+09 52 17.2		327	1997 CO ₂₈	1997 02 14.80958	10 13 06.25	+13 04 45.3	17.4	327
1997 CG ₂₈	1997 02 07.74017	10 29 51.50	+09 52 18.6	17.5	327	1997 CO ₂₈	1997 02 14.81444	10 13 06.00	+13 04 47.6		327
1997 CG ₂₈	1997 02 07.75593	10 29 50.75	+09 52 20.5		327	1997 CO ₂₈	1997 02 14.82010	10 13 05.62	+13 04 49.7		327
1997 CG ₂₈	1997 02 14.72352	10 23 57.38	+10 09 19.3	17.2	327	1997 CO ₂₈	1997 02 14.82483	10 13 05.38	+13 04 51.8		327
1997 CG ₂₈	1997 02 14.73784	10 23 56.62	+10 09 21.6		327	1997 CO ₂₈	1997 02 14.82951	10 13 05.12	+13 04 53.7		327
1997 CG ₂₈	1997 02 14.75324	10 23 55.75	+10 09 24.1		327	1997 CO ₂₈	1997 02 17.76247	10 10 23.25	+13 25 56.7		327
1997 CG ₂₈	1997 02 18.68301	10 20 23.00	+10 19 53.2		327	1997 CO ₂₈	1997 02 17.77709	10 10 22.38	+13 26 02.7	17.5	327
1997 CG ₂₈	1997 02 18.70358	10 20 21.88	+10 19 56.3	17.0	327	1997 CO ₂₈	1997 02 17.79157	10 10 21.62	+13 26 09.2		327
1997 CG ₂₈	1997 02 18.72319	10 20 20.75	+10 19 59.6		327	1997 CP ₂₈	* 1997 02 15.62910	09 27 42.88	+14 34 39.0	17.5	327
1997 CH ₂₈	* 1997 02 11.51817	06 17 18.25	+29 30 39.2	17.2	327	1997 CP ₂₈	1997 02 15.64635	09 27 41.75	+14 34 39.6		327
1997 CH ₂₈	1997 02 11.53330	06 17 18.12	+29 30 34.7		327	1997 CP ₂₈	1997 02 15.66231	09 27 41.00	+14 34 40.2		327
1997 CH ₂₈	1997 02 11.54840	06 17 18.00	+29 30 30.3		327	1997 CP ₂₈	1997 02 17.71229	09 25 48.75	+14 36 25.6		327
1997 CH ₂₈	1997 02 13.49631	06 17 09.00	+29 21 00.2	17.0	327	1997 CP ₂₈	1997 02 17.72714	09 25 48.00	+14 36 26.3	17.5	327
1997 CH ₂₈	1997 02 13.51039	06 17 09.00	+29 20 56.1		327	1997 CP ₂₈	1997 02 17.74177	09 25 47.12	+14 36 27.2		327
1997 CH ₂₈	1997 02 13.52471	06 17 08.88	+29 20 52.0		327	1997 CP ₂₈	1997 03 03.62779	09 14 31.38	+14 42 52.7	17.9	327
1997 CH ₂₈	1997 02 20.49174	06 17 34.25	+28 47 08.1	17.7	327	1997 CP ₂₈	1997 03 03.63762	09 14 31.00	+14 42 52.7		327
1997 CH ₂₈	1997 02 20.50213	06 17 34.38	+28 47 05.1		327	1997 CP ₂₈	1997 03 03.64740	09 14 30.50	+14 42 52.8		327
1997 CH ₂₈	1997 02 20.51225	06 17 34.50	+28 47 02.7		327	1997 CQ ₂₈	* 1997 02 01.77576	10 14 38.88	+17 47 04.2	19.1	327
1997 CJ ₂₈	* 1997 02 11.51817	06 17 29.00	+29 49 39.5	18.7	327	1997 CQ ₂₈	1997 02 01.79035	10 14 38.00	+17 47 05.1		327
1997 CJ ₂₈	1997 02 11.53330	06 17 28.75	+29 49 35.0		327	1997 CQ ₂₈	1997 02 01.80481	10 14 37.25	+17 47 06.0		327
1997 CJ ₂₈	1997 02 11.54840	06 17 28.38	+29 49 30.3		327	1997 CQ ₂₈	1997 02 14.75860	10 01 30.12	+17 57 23.2		327
1997 CJ ₂₈	1997 02 13.49631	06 16 58.25	+29 39 15.2		327	1997 CQ ₂₈	1997 02 14.77322	10 01 29.25	+17 57 23.2		327
1997 CJ ₂₈	1997 02 13.51039	06 16 58.00	+29 39 11.0	18.5	327	1997 CQ ₂₈	1997 02 14.78807	10 01 28.12	+17 57 23.7	18.5	327
1997 CJ ₂₈	1997 02 13.52471	06 16 57.75	+29 39 06.3		327	1997 CR ₂₈	* 1997 02 02.78819	10 13 47.75	+16 03 57.2		327
1997 CK ₂₈	* 1997 02 11.55931	07 06 10.88	+22 41 07.8	17.7	327	1997 CR ₂₈	1997 02 02.80345	10 13 47.00	+16 04 02.8	19.4	327
1997 CK ₂₈	1997 02 11.56955	07 06 10.50	+22 41 09.3		327	1997 CR ₂₈	1997 02 02.81869	10 13 46.25	+16 04 07.8		327
1997 CK ₂₈	1997 02 11.57959	07 06 10.12	+22 41 10.7		327	1997 CR ₂₈	1997 02 14.76839	10 03 02.88	+17 14 16.7	19.1	327
1997 CK ₂₈	1997 02 13.54594	07 05 02.75	+22 44 54.2		327	1997 CR ₂₈	1997 02 14.78330	10 03 02.00	+17 14 22.5		327
1997 CK ₂₈	1997 02 13.56377	07 05 02.25	+22 44 56.2	17.5	327	1997 CR ₂₈	1997 02 14.79797	10 03 01.25	+17 14 27.2		327
1997 CK ₂₈	1997 02 13.57877	07 05 01.75	+22 44 57.6		327	1997 CS ₂₈	* 1997 02 04.71850	10 14 31.50	+16 22 53.8		327
1997 CL ₂₈	* 1997 02 13.68719	09 22 25.00	+13 39 23.7		327	1997 CS ₂₈	1997 02 04.73350	10 14 30.88	+16 22 58.5	18.6	327
1997 CL ₂₈	1997 02 13.69763	09 22 24.38	+13 39 27.5	18.2	327	1997 CS ₂₈	1997 02 04.74870	10 14 30.00	+16 23 03.5		327
1997 CL ₂₈	1997 02 13.70954	09 22 23.62	+13 39 31.3		327	1997 CS ₂₈	1997 02 14.76337	10 05 35.50	+17 20 30.8	18.4	327
1997 CL ₂₈	1997 02 15.61922	09 20 40.25	+13 49 54.6		327	1997 CS ₂₈	1997 02 14.77812	10 05 34.62	+17 20 35.8		327
1997 CL ₂₈	1997 02 15.62434	09 20 39.88	+13 49 55.3	18.5	327	1997 CS ₂₈	1997 02 14.79288	10 05 33.75	+17 20 41.0		327
1997 CL ₂₈	1997 02 15.63647	09 20 39.25	+13 50 00.2	18.0	327	1997 CT ₂₈	* 1997 02 06.66589	09 28 15.25	+13 49 53.5		327

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1997 CT ₂₈	1997 02 06.68472	09 28 14.12	+13 50 01.1	18.3	327	1997 CA ₂₉	1997 02 07.74537	10 32 42.88	+09 27 03.0	327
1997 CT ₂₈	1997 02 06.70435	09 28 13.00	+13 50 09.6		327	1997 CA ₂₉	1997 02 07.76118	10 32 42.00	+09 27 06.7	327
1997 CT ₂₈	1997 02 13.68205	09 21 33.88	+14 38 23.5	18.6	327	1997 CA ₂₉	1997 02 14.71384	10 26 52.50	+09 51 40.2	19.1 327
1997 CT ₂₈	1997 02 13.69244	09 21 33.25	+14 38 28.1		327	1997 CA ₂₉	1997 02 14.72819	10 26 51.75	+09 51 44.0	327
1997 CT ₂₈	1997 02 13.70289	09 21 32.75	+14 38 31.6		327	1997 CA ₂₉	1997 02 14.74258	10 26 51.00	+09 51 46.8	327
1997 CU ₂₈	* 1997 02 06.66589	09 28 29.75	+13 51 11.8	16.9	327	1997 CB ₂₉	* 1997 02 07.73012	10 33 15.75	+09 16 34.6	327
1997 CU ₂₈	1997 02 06.68472	09 28 28.50	+13 51 15.7		327	1997 CB ₂₉	1997 02 07.74537	10 33 15.12	+09 16 40.6	19.0 327
1997 CU ₂₈	1997 02 06.70435	09 28 27.38	+13 51 19.7		327	1997 CB ₂₉	1997 02 07.76118	10 33 14.38	+09 16 46.3	327
1997 CU ₂₈	1997 02 13.68205	09 21 41.75	+14 14 19.7		327	1997 CB ₂₉	1997 02 14.71384	10 27 46.88	+10 04 00.2	18.5 327
1997 CU ₂₈	1997 02 13.69244	09 21 41.12	+14 14 21.6		327	1997 CB ₂₉	1997 02 14.72819	10 27 46.00	+10 04 07.3	327
1997 CU ₂₈	1997 02 13.70289	09 21 40.50	+14 14 23.7	17.0	327	1997 CB ₂₉	1997 02 14.74258	10 27 45.38	+10 04 12.7	327
1997 CU ₂₈	1997 02 15.61922	09 19 53.12	+14 20 25.2		327	1997 CC ₂₉	* 1997 02 07.73012	10 33 18.50	+09 15 35.0	327
1997 CU ₂₈	1997 02 15.63647	09 19 52.12	+14 20 29.2	17.2	327	1997 CC ₂₉	1997 02 07.74537	10 33 17.88	+09 15 38.3	17.8 327
1997 CU ₂₈	1997 02 15.65200	09 19 51.12	+14 20 31.7		327	1997 CC ₂₉	1997 02 07.76118	10 33 17.12	+09 15 42.2	327
1997 CV ₂₈	* 1997 02 06.66589	09 29 45.00	+13 52 01.2	18.2	327	1997 CC ₂₉	1997 02 14.71384	10 28 17.12	+09 45 07.2	17.5 327
1997 CV ₂₈	1997 02 06.68472	09 29 43.75	+13 52 03.3		327	1997 CC ₂₉	1997 02 14.72819	10 28 16.50	+09 45 10.7	327
1997 CV ₂₈	1997 02 06.70435	09 29 42.38	+13 52 06.2		327	1997 CC ₂₉	1997 02 14.74258	10 28 15.88	+09 45 14.7	327
1997 CV ₂₈	1997 02 13.68205	09 21 45.25	+14 08 10.2		327	1997 CC ₂₉	1997 02 18.68876	10 25 14.88	+10 02 46.7	17.0 327
1997 CV ₂₈	1997 02 13.69244	09 21 44.62	+14 08 11.6	18.1	327	1997 CC ₂₉	1997 02 18.70853	10 25 13.88	+10 02 52.1	327
1997 CV ₂₈	1997 02 13.70289	09 21 43.88	+14 08 13.2		327	1997 CC ₂₉	1997 02 18.72814	10 25 13.00	+10 02 57.6	327
1997 CV ₂₈	1997 02 15.61922	09 19 34.75	+14 12 26.0	18.3	327	1997 CD ₂₉	* 1997 02 07.73012	10 33 32.88	+08 36 47.7	327
1997 CV ₂₈	1997 02 15.63647	09 19 33.75	+14 12 27.3		327	1997 CD ₂₉	1997 02 07.74537	10 33 32.12	+08 36 52.7	18.3 327
1997 CV ₂₈	1997 02 15.65200	09 19 32.62	+14 12 29.2		327	1997 CD ₂₉	1997 02 07.76118	10 33 31.50	+08 36 58.6	327
1997 CW ₂₈	* 1997 02 07.55197	06 07 12.25	+10 35 24.0	17.9	327	1997 CD ₂₉	1997 02 18.68876	10 24 54.12	+09 49 30.6	17.7 327
1997 CW ₂₈	1997 02 07.55662	06 07 12.25	+10 35 26.5		327	1997 CD ₂₉	1997 02 18.70853	10 24 53.12	+09 49 39.2	327
1997 CW ₂₈	1997 02 07.56372	06 07 12.25	+10 35 30.3		327	1997 CD ₂₉	1997 02 18.72814	10 24 52.00	+09 49 47.2	327
1997 CW ₂₈	1997 02 07.56836	06 07 12.25	+10 35 33.1		327	1997 CE ₂₉	* 1997 02 07.85458	14 03 46.12	-11 49 24.2	327
1997 CW ₂₈	1997 02 13.45962	06 08 11.25	+11 29 20.2	17.7	327	1997 CE ₂₉	1997 02 07.86917	14 03 46.88	-11 49 29.3	18.1 327
1997 CW ₂₈	1997 02 13.46927	06 08 11.62	+11 29 25.2		327	1997 CE ₂₉	1997 02 07.88359	14 03 47.50	-11 49 34.2	327
1997 CW ₂₈	1997 02 13.47938	06 08 11.62	+11 29 31.3		327	1997 CE ₂₉	1997 02 14.83797	14 09 05.88	-12 26 05.1	327
1997 CX ₂₈	* 1997 02 07.72485	10 30 36.88	+09 08 08.8		327	1997 CE ₂₉	1997 02 14.85231	14 09 06.50	-12 26 09.5	327
1997 CX ₂₈	1997 02 07.74017	10 30 36.25	+09 08 13.2	19.3	327	1997 CE ₂₉	1997 02 14.86684	14 09 07.00	-12 26 13.7	18.6 327
1997 CX ₂₈	1997 02 07.75593	10 30 35.62	+09 08 17.2		327	1997 CF ₂₉	* 1997 02 07.85458	14 04 23.00	-11 47 49.5	327
1997 CX ₂₈	1997 02 14.71384	10 25 33.75	+09 42 12.7		327	1997 CF ₂₉	1997 02 07.86917	14 04 23.88	-11 47 52.8	17.3 327
1997 CX ₂₈	1997 02 14.72819	10 25 33.00	+09 42 17.0		327	1997 CF ₂₉	1997 02 07.88359	14 04 24.62	-11 47 56.5	327
1997 CX ₂₈	1997 02 14.74258	10 25 32.38	+09 42 21.6	18.5	327	1997 CF ₂₉	1997 02 14.83797	14 11 00.00	-12 11 03.1	327
1997 CY ₂₈	* 1997 02 07.72485	10 31 21.62	+09 12 55.8		327	1997 CF ₂₉	1997 02 14.85231	14 11 00.75	-12 11 05.7	18.0 327
1997 CY ₂₈	1997 02 07.74017	10 31 20.62	+09 12 57.2	17.3	327	1997 CF ₂₉	1997 02 14.86684	14 11 01.50	-12 11 07.8	327
1997 CY ₂₈	1997 02 07.75593	10 31 19.75	+09 12 58.6		327	1997 CF ₂₉	1997 02 20.80968	14 15 39.25	-12 24 25.6	17.6 327
1997 CY ₂₈	1997 02 18.69872	10 19 42.00	+09 32 52.3	16.9	327	1997 CF ₂₉	1997 02 20.81961	14 15 39.75	-12 24 26.6	327
1997 CY ₂₈	1997 02 18.71830	10 19 40.75	+09 32 54.7		327	1997 CF ₂₉	1997 02 20.82961	14 15 40.12	-12 24 27.5	327
1997 CY ₂₈	1997 02 18.73789	10 19 39.38	+09 32 57.1		327	1997 CF ₂₉	1997 02 20.83949	14 15 40.50	-12 24 28.1	327
1997 CZ ₂₈	* 1997 02 07.73012	10 32 02.12	+09 25 43.7		327	1997 CF ₂₉	1997 03 02.87785	14 21 08.00	-12 32 40.2	17.3 327
1997 CZ ₂₈	1997 02 07.74537	10 32 01.50	+09 25 47.0		327	1997 CF ₂₉	1997 03 02.88762	14 21 08.25	-12 32 40.2	327
1997 CZ ₂₈	1997 02 07.76118	10 32 00.62	+09 25 51.7	17.6	327	1997 CF ₂₉	1997 03 02.89727	14 21 08.38	-12 32 40.2	327
1997 CZ ₂₈	1997 02 14.71384	10 26 42.38	+10 00 28.5	17.8	327	1997 CG ₂₉	* 1997 02 07.85458	14 06 58.50	-11 56 25.6	327
1997 CZ ₂₈	1997 02 14.72819	10 26 41.75	+10 00 33.0		327	1997 CG ₂₉	1997 02 07.86917	14 06 58.88	-11 56 26.6	327
1997 CZ ₂₈	1997 02 14.74258	10 26 41.00	+10 00 37.5		327	1997 CG ₂₉	1997 02 07.88359	14 06 59.25	-11 56 27.3	18.3 327
1997 CZ ₂₈	1997 02 18.68876	10 23 30.75	+10 20 58.2	17.6	327	1997 CG ₂₉	1997 02 14.83797	14 09 50.25	-12 01 12.7	327
1997 CZ ₂₈	1997 02 18.70853	10 23 29.75	+10 21 04.1		327	1997 CG ₂₉	1997 02 14.85231	14 09 50.50	-12 01 12.6	18.5 327
1997 CZ ₂₈	1997 02 18.72814	10 23 28.75	+10 21 10.3		327	1997 CG ₂₉	1997 02 14.86684	14 09 50.75	-12 01 12.7	327
1997 CA ₂₉	* 1997 02 07.73012	10 32 43.62	+09 27 00.5	19.1	327	1997 CH ₂₉	* 1997 02 12.59410	08 59 05.00	+15 39 26.8	17.4 327

1997 CH ₂₉	1997 02 12.59844	08 59 04.62	+15 39 27.2	327	1997 DS	1997 03 02.80314	12 22 00.25	+08 56 47.2		327
1997 CH ₂₉	1997 02 12.60365	08 59 04.38	+15 39 27.2	327	1997 DS	1997 03 02.81284	12 21 59.88	+08 56 52.1	18.5	327
1997 CH ₂₉	1997 02 12.60807	08 59 04.12	+15 39 27.7	327	1997 DS	1997 03 02.82258	12 21 59.50	+08 56 56.2		327
1997 CH ₂₉	1997 02 17.65830	08 54 16.25	+15 45 47.1	327	1997 EZ	1997 01 19.82803	12 10 48.50	-01 25 34.1	18.4	327
1997 CH ₂₉	1997 02 17.67296	08 54 15.50	+15 45 48.0	17.7	327	1997 EZ	1997 01 19.84323	12 10 48.75	-01 25 35.6	327
1997 CH ₂₉	1997 02 17.68787	08 54 14.62	+15 45 48.8	327	1997 EZ	1997 01 19.85836	12 10 48.88	-01 25 35.6		327
1997 CJ ₂₉	* 1997 02 14.63683	08 56 23.00	+15 18 51.2	16.4	327	1997 ED ₃	* 1997 03 03.86050	15 31 34.00	-02 15 48.1	327
1997 CJ ₂₉	1997 02 14.64721	08 56 22.38	+15 18 55.2	327	1997 ED ₃	1997 03 03.87031	15 31 34.38	-02 15 46.1	18.8	327
1997 CJ ₂₉	1997 02 14.65736	08 56 21.75	+15 18 59.3	327	1997 ED ₃	1997 03 03.88013	15 31 34.62	-02 15 43.3		327
1997 CJ ₂₉	1997 02 17.65830	08 53 38.88	+15 37 56.1	327	1997 ED ₃	1997 03 04.84969	15 32 07.12	-02 11 36.8		327
1997 CJ ₂₉	1997 02 17.67296	08 53 38.00	+15 38 01.7	16.3	327	1997 ED ₃	1997 03 04.86495	15 32 07.62	-02 11 33.1	18.9
1997 CJ ₂₉	1997 02 17.68787	08 53 37.25	+15 38 07.1	327	1997 ED ₃	1997 03 04.88045	15 32 08.12	-02 11 27.8		327
1997 CN ₂₉	* 1997 02 14.89146	14 51 33.75	-10 11 29.5	327	1997 EM ₁₁	* 1997 03 03.68565	11 15 40.25	+22 09 10.0	19.4	327
1997 CN ₂₉	1997 02 14.90500	14 51 34.75	-10 11 29.6	17.9	327	1997 EM ₁₁	1997 03 03.69638	11 15 39.75	+22 09 15.7	327
1997 CN ₂₉	1997 02 14.91806	14 51 35.75	-10 11 30.1	327	1997 EM ₁₁	1997 03 03.70663	11 15 39.12	+22 09 21.7		327
1997 CN ₂₉	1997 02 20.84961	14 58 37.75	-10 12 21.2	327	1997 EM ₁₁	1997 03 08.67692	11 11 15.62	+22 52 18.1	19.2	327
1997 CN ₂₉	1997 02 20.85439	14 58 37.88	-10 12 21.0	17.9	327	1997 EM ₁₁	1997 03 08.69182	11 11 14.75	+22 52 25.2	327
1997 CN ₂₉	1997 02 20.85906	14 58 38.25	-10 12 21.2	327	1997 EM ₁₁	1997 03 08.70696	11 11 14.00	+22 52 32.8		327
1997 CN ₂₉	1997 02 20.86385	14 58 38.62	-10 12 20.7	327	1997 EN ₁₁	* 1997 03 03.69063	11 22 06.00	+22 54 55.2		327
1997 DB	* 1997 02 17.50823	03 28 47.38	+08 26 38.1	18.3	327	1997 EN ₁₁	1997 03 03.70149	11 22 05.50	+22 55 01.3	18.1
1997 DB	1997 02 17.51186	03 28 47.62	+08 26 40.6	327	1997 EN ₁₁	1997 03 03.71159	11 22 05.00	+22 55 07.2		327
1997 DB	1997 02 17.51485	03 28 47.81	+08 26 42.3	327	1997 EN ₁₁	1997 03 08.68674	11 18 09.25	+23 39 40.8		327
1997 DB	1997 02 17.51789	03 28 48.06	+08 26 44.3	327	1997 EN ₁₁	1997 03 08.70175	11 18 08.50	+23 39 48.3	17.6	327
1997 DB	1997 02 18.46214	03 29 56.25	+08 37 13.7	327	1997 EN ₁₁	1997 03 08.71697	11 18 07.75	+23 39 56.0		327
1997 DB	1997 02 18.47834	03 29 57.44	+08 37 25.2	18.1	327	1997 EO ₁₁	* 1997 03 03.69063	11 23 13.50	+22 56 50.1	18.0
1997 DB	1997 02 18.53149	03 30 01.25	+08 38 00.0	327	1997 EO ₁₁	1997 03 03.70149	11 23 12.88	+22 56 55.7		327
1997 DD	* 1997 02 16.78156	12 29 56.88	+08 12 16.7	18.3	327	1997 EO ₁₁	1997 03 03.71159	11 23 12.38	+22 57 01.0	327
1997 DD	1997 02 16.79808	12 29 56.50	+08 12 19.3	327	1997 EO ₁₁	1997 03 08.68674	11 18 56.50	+23 36 27.8	17.9	327
1997 DD	1997 02 16.81440	12 29 56.12	+08 12 21.7	327	1997 EO ₁₁	1997 03 08.70175	11 18 55.75	+23 36 34.7		327
1997 DD	1997 02 20.74958	12 28 06.75	+08 22 58.7	327	1997 EO ₁₁	1997 03 08.71697	11 18 54.88	+23 36 41.5		327
1997 DD	1997 02 20.75925	12 28 06.50	+08 22 59.2	18.2	327	1997 EP ₁₁	* 1997 03 03.69063	11 25 08.50	+22 56 54.2	18.5
1997 DD	1997 02 20.76888	12 28 06.12	+08 23 01.3	327	1997 EP ₁₁	1997 03 03.70149	11 25 08.00	+22 57 00.7		327
1997 DD	1997 03 02.80314	12 21 55.62	+08 53 09.5	18.4	327	1997 EP ₁₁	1997 03 03.71159	11 25 07.50	+22 57 07.0	327
1997 DD	1997 03 02.81284	12 21 55.12	+08 53 11.2	327	1997 EP ₁₁	1997 03 08.68176	11 21 07.62	+23 43 25.1	18.5	327
1997 DD	1997 03 02.82258	12 21 54.75	+08 53 12.5	327	1997 EP ₁₁	1997 03 08.69671	11 21 06.88	+23 43 33.1		327
1997 DE	* 1997 02 19.80975	13 40 49.50	+00 47 50.8	16.7	327	1997 EP ₁₁	1997 03 08.71184	11 21 06.12	+23 43 41.0	327
1997 DE	1997 02 19.82481	13 40 49.62	+00 47 54.8	327	1997 EQ ₁₁	* 1997 03 04.84969	15 32 53.00	-01 59 18.8	18.8	327
1997 DE	1997 02 19.83913	13 40 49.50	+00 47 57.6	327	1997 EQ ₁₁	1997 03 04.86495	15 32 53.50	-01 59 09.5		327
1997 DE	1997 02 20.78943	13 40 50.53	+00 51 54.6	18.8	327	1997 EQ ₁₁	1997 03 04.88045	15 32 54.00	-01 58 59.1	327
1997 DE	1997 02 20.79946	13 40 50.48	+00 51 59.1	327	1997 EQ ₁₁	1997 03 08.87259	15 35 09.75	-01 14 10.1		327
1997 DE	1997 03 02.83312	13 39 13.75	+01 41 51.3	327	1997 EQ ₁₁	1997 03 08.88223	15 35 10.12	-01 14 03.8	18.8	327
1997 DE	1997 03 02.84793	13 39 13.50	+01 41 56.6	17.4	327	1997 EQ ₁₁	1997 03 08.89190	15 35 10.38	-01 13 56.6	327
1997 DE	1997 03 02.86258	13 39 13.12	+01 42 01.3	327	1997 EE ₂₃	* 1997 03 02.83812	13 45 20.38	+02 01 38.3	18.0	327
1997 DE	1997 03 09.85807	13 36 12.25	+02 24 02.5	327	1997 EE ₂₃	1997 03 02.85297	13 45 20.12	+02 01 43.3		327
1997 DE	1997 03 09.87248	13 36 11.88	+02 24 07.8	17.2	327	1997 EE ₂₃	1997 03 02.86762	13 45 20.00	+02 01 47.8	327
1997 DE	1997 03 09.88819	13 36 11.25	+02 24 13.8	327	1997 EE ₂₃	1997 03 09.86764	13 43 00.25	+02 43 25.1	17.6	327
1997 DN	1996 12 10.80697	09 09 13.50	+06 42 35.1	327	1997 EE ₂₃	1997 03 09.88348	13 42 59.88	+02 43 30.6		327
1997 DN	1996 12 10.82214	09 09 13.38	+06 42 31.2	18.4	327	1997 EE ₂₃	1997 03 09.89740	13 42 59.50	+02 43 36.6	327
1997 DN	1996 12 10.83699	09 09 13.38	+06 42 27.1	327	1997 EF ₂₃	* 1997 03 07.47346	06 24 01.38	+27 56 05.8	17.9	327
1997 DS	* 1997 02 20.75447	12 28 21.75	+07 45 01.1	17.7	327	1997 EF ₂₃	1997 03 07.47814	06 24 01.62	+27 56 04.2	327
1997 DS	1997 02 20.76412	12 28 21.50	+07 45 03.7	327	1997 EF ₂₃	1997 03 07.48286	06 24 01.88	+27 56 03.1		327
1997 DS	1997 02 20.77353	12 28 21.25	+07 45 08.7	327	1997 EF ₂₃	1997 03 11.47972	06 27 39.13	+27 36 15.7		327

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1997 EF ₂₃	1997 03 11.49067	06 27 39.71	+27 36 14.4		327	3045 P-L	1997 02 18.68301	10 18 57.62	+10 50 31.5	17.3	327
1997 EF ₂₃	1997 03 11.50141	06 27 40.37	+27 36 10.8	18.7	327	3045 P-L	1997 02 18.70358	10 18 56.38	+10 50 33.7		327
1997 EG ₂₃	* 1997 03 08.63480	09 36 51.38	+20 42 30.7	17.2	327	3045 P-L	1997 02 18.72319	10 18 55.25	+10 50 35.8		327
1997 EG ₂₃	1997 03 08.65176	09 36 50.62	+20 42 30.6		327	6543 P-L	1997 02 17.75769	10 08 08.50	+14 16 56.3		327
1997 EG ₂₃	1997 03 08.66628	09 36 50.00	+20 42 30.2		327	6543 P-L	1997 02 17.77227	10 08 07.88	+14 17 00.1		327
1997 EG ₂₃	1997 03 11.65618	09 34 50.00	+20 41 31.6		327	6543 P-L	1997 02 17.78679	10 08 07.25	+14 17 04.0	18.0	327
1997 EG ₂₃	1997 03 11.66031	09 34 49.75	+20 41 31.2	17.5	327	6543 P-L	1997 02 18.57005	10 07 32.00	+14 20 22.3		327
1997 EG ₂₃	1997 03 11.66436	09 34 49.62	+20 41 31.2		327	6543 P-L	1997 02 18.63301	10 07 29.38	+14 20 38.0		327
1997 EG ₂₃	1997 03 11.66838	09 34 49.50	+20 41 30.8		327	6543 P-L	1997 02 18.64282	10 07 28.88	+14 20 41.7		327
1997 EH ₂₃	* 1997 03 08.63480	09 39 19.00	+20 19 28.7		327	6543 P-L	1997 02 18.65248	10 07 28.38	+14 20 44.2	18.4	327
1997 EH ₂₃	1997 03 08.65176	09 39 18.12	+20 19 31.5	18.8	327	1310 T-2	1997 02 02.79863	10 25 53.00	+13 20 45.8		327
1997 EH ₂₃	1997 03 08.66628	09 39 17.50	+20 19 33.7		327	1310 T-2	1997 02 02.81378	10 25 52.12	+13 20 50.6	18.7	327
1997 EH ₂₃	1997 03 11.65618	09 37 07.75	+20 26 10.7		327	1310 T-2	1997 02 02.82905	10 25 51.38	+13 20 55.2		327
1997 EH ₂₃	1997 03 11.66031	09 37 07.62	+20 26 10.7		327	2664 T-3	1997 02 06.80733	10 18 46.88	+12 48 35.8		327
1997 EH ₂₃	1997 03 11.66436	09 37 07.38	+20 26 11.7	18.7	327	2664 T-3	1997 02 06.81726	10 18 46.12	+12 48 38.6	18.0	327
1997 EH ₂₃	1997 03 11.66838	09 37 07.25	+20 26 11.3		327	2664 T-3	1997 02 06.82703	10 18 45.62	+12 48 41.6		327
1997 EJ ₂₃	* 1997 03 08.63480	09 39 54.75	+20 28 01.2		327	2664 T-3	1997 02 14.80487	10 10 47.00	+13 23 42.7	18.4	327
1997 EJ ₂₃	1997 03 08.65176	09 39 53.75	+20 28 02.5	18.6	327	2664 T-3	1997 02 14.82010	10 10 46.00	+13 23 47.2		327
1997 EJ ₂₃	1997 03 08.66628	09 39 53.00	+20 28 03.2		327	2664 T-3	1997 02 14.82483	10 10 45.75	+13 23 48.5		327
1997 EJ ₂₃	1997 03 11.65618	09 37 19.50	+20 30 49.5		327	5124 T-3	1997 01 28.72660	09 33 34.25	+21 31 43.3	17.5	327
1997 EJ ₂₃	1997 03 11.66031	09 37 19.25	+20 30 49.7		327	5124 T-3	1997 01 28.74178	09 33 33.50	+21 31 51.3		327
1997 EJ ₂₃	1997 03 11.66436	09 37 19.12	+20 30 49.8	18.7	327	5124 T-3	1997 01 28.75712	09 33 32.50	+21 31 59.1		327
1997 EJ ₂₃	1997 03 11.66838	09 37 18.88	+20 30 50.0		327	(184)	1997 02 06.67539	09 33 26.62	+14 54 37.7	12.5	327
1997 EK ₂₃	* 1997 03 08.67692	11 11 14.00	+22 28 09.8		327	(184)	1997 02 06.69485	09 33 25.75	+14 54 41.8		327
1997 EK ₂₃	1997 03 08.69182	11 11 13.25	+22 28 13.5	18.7	327	(184)	1997 02 06.71387	09 33 24.75	+14 54 46.0		327
1997 EK ₂₃	1997 03 08.70696	11 11 12.50	+22 28 18.2		327	(249)	1997 02 14.71877	10 23 39.00	+11 12 37.7	14.6	327
1997 EK ₂₃	1997 03 11.72259	11 08 50.25	+22 41 21.1		327	(249)	1997 02 14.73308	10 23 38.12	+11 12 40.1		327
1997 EK ₂₃	1997 03 11.73235	11 08 49.75	+22 41 23.2		327	(249)	1997 02 14.74738	10 23 37.12	+11 12 42.3		327
1997 EK ₂₃	1997 03 11.74181	11 08 49.25	+22 41 25.3	19.1	327	(427)	1997 02 13.55856	07 10 06.75	+22 34 39.7	14.4	327
1997 EL ₂₃	* 1997 03 08.68674	11 15 43.50	+23 38 59.8	17.8	327	(427)	1997 02 13.57361	07 10 06.38	+22 34 39.5		327
1997 EL ₂₃	1997 03 08.70175	11 15 42.62	+23 39 03.7		327	(427)	1997 02 13.58876	07 10 05.88	+22 34 39.2		327
1997 EL ₂₃	1997 03 08.71697	11 15 41.75	+23 39 08.3		327	(427)	1997 02 20.59453	07 07 09.62	+22 31 41.8		327
1997 EL ₂₃	1997 03 11.72745	11 12 57.25	+23 51 39.2	17.9	327	(427)	1997 02 20.61065	07 07 09.38	+22 31 41.3	14.9	327
1997 EL ₂₃	1997 03 11.73712	11 12 56.75	+23 51 41.3		327	(427)	1997 02 20.62663	07 07 09.00	+22 31 40.7		327
1997 EL ₂₃	1997 03 11.74676	11 12 56.12	+23 51 43.3		327	(538)	1997 02 12.59410	09 00 10.00	+16 07 35.7	14.1	327
1997 EM ₂₃	* 1997 03 08.68674	11 17 25.88	+23 50 04.2	17.3	327	(538)	1997 02 12.59844	09 00 09.75	+16 07 36.8		327
1997 EM ₂₃	1997 03 08.70175	11 17 25.00	+23 50 09.7		327	(538)	1997 02 12.60365	09 00 09.50	+16 07 38.5		327
1997 EM ₂₃	1997 03 08.71697	11 17 24.25	+23 50 15.0		327	(538)	1997 02 12.60807	09 00 09.38	+16 07 39.7		327
1997 EM ₂₃	1997 03 11.72745	11 14 45.38	+24 07 13.2		327	(538)	1997 02 14.63100	08 58 39.62	+16 17 03.2	14.2	327
1997 EM ₂₃	1997 03 11.73712	11 14 44.88	+24 07 16.3	17.3	327	(538)	1997 02 14.64205	08 58 39.12	+16 17 06.3		327
1997 EM ₂₃	1997 03 11.74676	11 14 44.38	+24 07 19.5		327	(538)	1997 02 14.65235	08 58 38.62	+16 17 09.1		327
1997 EO ₂₃	* 1997 03 08.63957	09 38 53.88	+19 32 43.3	19.4	327	(661)	1997 02 06.80733	10 19 35.38	+12 45 20.6	13.4	327
1997 EO ₂₃	1997 03 08.65654	09 38 53.25	+19 33 04.6		327	(661)	1997 02 06.81726	10 19 34.75	+12 45 21.7		327
1997 EO ₂₃	1997 03 08.67097	09 38 52.62	+19 33 22.2		327	(661)	1997 02 06.82703	10 19 34.25	+12 45 22.7		327
1997 EO ₂₃	1997 03 11.66436	09 37 19.54	+20 35 23.3		327	(661)	1997 02 14.80487	10 12 37.62	+13 00 19.0	13.2	327
1997 EO ₂₃	1997 03 11.66838	09 37 19.42	+20 35 28.5	18.4	327	(661)	1997 02 14.82010	10 12 36.75	+13 00 21.6		327
2129 P-L	1997 02 17.66796	08 52 04.00	+08 47 45.7		327	(661)	1997 02 14.82483	10 12 36.50	+13 00 22.0		327
2129 P-L	1997 02 17.68281	08 52 03.25	+08 47 51.7	18.5	327	(752)	1997 02 08.48409	04 09 24.62	+21 30 25.1	13.9	327
2129 P-L	1997 02 17.69752	08 52 02.50	+08 47 57.0		327	(752)	1997 02 08.48924	04 09 24.81	+21 30 26.2	14.0	327
3045 P-L	1997 02 14.71877	10 22 50.00	+10 42 41.8		327	(752)	1997 02 08.49921	04 09 25.25	+21 30 28.7		327
3045 P-L	1997 02 14.73308	10 22 49.12	+10 42 43.6	17.5	327	(752)	1997 02 08.50416	04 09 25.50	+21 30 29.7		327
3045 P-L	1997 02 14.74738	10 22 48.38	+10 42 45.2		327	(752)	1997 02 08.52618	04 09 26.44	+21 30 35.3		327

(752)	1997 02 08.53127	04 09 26.69	+21 30 36.3	327	(1897)	1997 03 11.66838	09 35 58.62	+20 49 30.6	327
(782)	1997 02 08.48924	04 09 39.12	+22 15 30.1	327	(1938)	1997 02 17.53249	08 32 02.62	+15 23 32.7	14.8 327
(782)	1997 02 08.50416	04 09 39.69	+22 15 32.7	327	(1938)	1997 02 17.58635	08 31 59.62	+15 23 50.3	327
(782)	1997 02 08.53127	04 09 41.06	+22 15 39.0	327	(1938)	1997 02 17.64240	08 31 56.38	+15 24 08.6	327
(796)	1997 02 12.61581	09 52 20.75	+41 31 48.0	327	(2013)	1997 01 28.72660	09 35 36.62	+22 00 12.1	16.3 327
(796)	1997 02 12.61875	09 52 20.50	+41 31 48.3	327	(2013)	1997 01 28.74178	09 35 35.75	+22 00 18.7	327
(796)	1997 02 12.62359	09 52 20.12	+41 31 49.0	327	(2013)	1997 01 28.75712	09 35 34.75	+22 00 25.3	327
(796)	1997 02 12.62653	09 52 20.00	+41 31 49.3	327	(2016)	1997 02 07.80186	12 27 08.62	-02 28 18.5	17.5 327
(796)	1997 02 12.63007	09 52 19.75	+41 31 50.0	327	(2016)	1997 02 07.81720	12 27 08.38	-02 28 17.1	327
(796)	1997 02 12.63361	09 52 19.38	+41 31 50.3	327	(2016)	1997 02 07.83253	12 27 08.12	-02 28 15.6	327
(916)	1997 02 07.72485	10 31 11.12	+09 19 31.2	327	(2296)	1997 02 20.45865	04 06 05.12	+21 46 35.7	327
(916)	1997 02 07.74017	10 31 10.25	+09 19 33.1	327	(2296)	1997 02 20.46922	04 06 05.56	+21 46 35.8	17.2 327
(916)	1997 02 07.75593	10 31 09.25	+09 19 35.1	327	(2296)	1997 02 20.47986	04 06 06.00	+21 46 38.5	327
(916)	1997 02 14.72352	10 23 46.25	+09 35 37.7	327	(2341)	1997 01 28.72660	09 33 59.00	+22 01 18.2	15.3 327
(916)	1997 02 14.73784	10 23 45.25	+09 35 39.7	327	(2341)	1997 01 28.74178	09 33 57.88	+22 01 24.1	327
(916)	1997 02 14.75324	10 23 44.25	+09 35 42.0	327	(2341)	1997 01 28.75712	09 33 56.88	+22 01 30.0	327
(916)	1997 02 20.63921	10 17 16.50	+09 50 04.7	327	(2356)	1997 01 29.48076	01 31 54.00	+01 42 19.6	17.2 327
(916)	1997 02 20.65443	10 17 15.50	+09 50 07.0	327	(2356)	1997 01 29.49718	01 31 54.75	+01 42 24.1	327
(916)	1997 02 20.66985	10 17 14.38	+09 50 09.5	327	(2356)	1997 01 29.51289	01 31 55.56	+01 42 28.6	327
(924)	1997 02 07.73012	10 34 58.12	+09 09 04.2	327	(2381)	1997 02 12.51396	06 03 17.00	+10 36 37.5	327
(924)	1997 02 07.74537	10 34 57.50	+09 09 09.8	327	(2381)	1997 02 12.51850	06 03 17.12	+10 36 39.7	327
(924)	1997 02 07.76118	10 34 56.88	+09 09 15.8	327	(2381)	1997 02 12.52319	06 03 17.12	+10 36 42.2	15.3 327
(924)	1997 02 14.67148	10 30 00.75	+09 53 59.7	327	(2381)	1997 02 12.52782	06 03 17.12	+10 36 45.2	327
(924)	1997 02 14.68115	10 30 00.25	+09 54 03.6	327	(2381)	1997 02 13.45479	06 03 27.62	+10 45 52.2	15.1 327
(924)	1997 02 14.69072	10 29 59.88	+09 54 07.2	327	(2381)	1997 02 13.46462	06 03 27.75	+10 45 58.1	327
(940)	1997 02 04.61929	08 18 57.75	+26 41 58.2	327	(2381)	1997 02 13.47410	06 03 27.88	+10 46 03.7	327
(940)	1997 02 04.63331	08 18 57.12	+26 42 00.3	327	(2393)	1997 02 12.54951	06 15 28.25	+12 22 31.7	327
(940)	1997 02 04.64802	08 18 56.50	+26 42 02.3	327	(2393)	1997 02 12.56388	06 15 28.00	+12 22 33.6	327
(1202)	1997 02 14.76839	10 02 47.00	+16 32 21.5	327	(2393)	1997 02 12.57885	06 15 27.75	+12 22 35.2	16.4 327
(1202)	1997 02 14.78330	10 02 46.50	+16 32 24.5	327	(2395)	1997 02 08.45899	02 00 30.56	+12 02 36.6	18.4 327
(1202)	1997 02 14.79797	10 02 45.88	+16 32 27.5	327	(2395)	1997 02 08.46354	02 00 30.81	+12 02 37.7	327
(1318)	1997 02 20.75447	12 28 31.50	+07 25 46.7	327	(2395)	1997 02 08.46837	02 00 31.06	+12 02 39.0	327
(1318)	1997 02 20.76412	12 28 30.88	+07 25 40.5	327	(2395)	1997 02 08.47292	02 00 31.31	+12 02 40.0	327
(1318)	1997 02 20.77353	12 28 30.25	+07 25 34.3	327	(2461)	1997 02 07.57400	07 23 26.00	+22 06 53.2	16.5 327
(1361)	1997 02 14.54321	07 03 00.00	+01 16 31.3	327	(2461)	1997 02 07.58867	07 23 25.50	+22 06 54.7	327
(1361)	1997 02 14.55766	07 02 59.50	+01 16 39.0	327	(2461)	1997 02 07.60385	07 23 24.88	+22 06 56.2	327
(1361)	1997 02 14.57196	07 02 59.25	+01 16 45.3	327	(2768)	1997 02 06.72906	09 22 58.88	+26 47 41.7	15.2 327
(1432)	1997 02 09.45441	02 09 32.31	+05 25 58.2	327	(2768)	1997 02 06.73906	09 22 58.12	+26 47 44.7	327
(1432)	1997 02 09.47014	02 09 33.81	+05 26 09.5	327	(2768)	1997 02 06.74916	09 22 57.38	+26 47 47.5	327
(1432)	1997 02 09.49000	02 09 35.69	+05 26 23.8	327	(2796)	1997 01 30.68984	09 07 31.62	+06 38 44.7	15.5 327
(1493)	1997 02 06.67539	09 35 01.50	+15 09 27.7	327	(2796)	1997 01 30.70771	09 07 30.75	+06 38 53.7	327
(1493)	1997 02 06.69485	09 35 00.25	+15 09 32.5	327	(2796)	1997 01 30.72308	09 07 29.75	+06 39 02.3	327
(1493)	1997 02 06.71387	09 34 59.12	+15 09 37.2	327	(2841)	1997 01 27.76852	09 29 04.62	+21 14 03.6	14.8 327
(1805)	1997 02 02.79343	09 45 23.00	+17 06 33.7	327	(2841)	1997 01 27.78332	09 29 03.75	+21 14 10.2	327
(1805)	1997 02 02.80860	09 45 22.25	+17 06 38.0	327	(2841)	1997 01 27.79794	09 29 02.88	+21 14 16.6	327
(1805)	1997 02 02.82377	09 45 21.50	+17 06 42.2	327	(2844)	1997 02 17.70752	09 20 45.12	+16 46 19.1	16.4 327
(1897)	1997 03 08.63480	09 38 19.62	+20 42 33.3	327	(2844)	1997 02 17.72216	09 20 44.12	+16 46 24.3	327
(1897)	1997 03 08.65176	09 38 18.88	+20 42 35.1	327	(2844)	1997 02 17.73685	09 20 43.25	+16 46 29.6	327
(1897)	1997 03 08.66628	09 38 18.12	+20 42 37.5	327	(2972)	1997 02 11.47690	04 10 59.94	+19 49 23.7	17.5 327
(1897)	1997 03 11.65618	09 35 59.12	+20 49 29.0	327	(2972)	1997 02 11.48726	04 11 00.50	+19 49 25.2	327
(1897)	1997 03 11.66031	09 35 59.00	+20 49 29.7	327	(2972)	1997 02 11.49750	04 11 01.12	+19 49 27.2	327
(1897)	1997 03 11.66436	09 35 58.75	+20 49 29.8	327	(2972)	1997 02 12.49197	04 12 00.31	+19 52 21.7	327

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(2972)	1997 02 12.49630	04 12 00.56	+19 52 22.7	17.5	327	(3754)	1997 01 29.48076	01 33 22.25	+01 28 37.5	16.6	327
(2972)	1997 02 12.50102	04 12 00.88	+19 52 23.2		327	(3754)	1997 01 29.49718	01 33 23.00	+01 28 44.1		327
(2972)	1997 02 12.50576	04 12 01.12	+19 52 24.0		327	(3754)	1997 01 29.51289	01 33 23.69	+01 28 50.8		327
(2978)	1997 02 17.70752	09 20 02.12	+16 25 29.0	17.0	327	(3814)	1997 02 07.72485	10 28 51.00	+09 51 44.7		327
(2978)	1997 02 17.72216	09 20 01.38	+16 25 31.2		327	(3814)	1997 02 07.74017	10 28 50.38	+09 51 48.7	16.7	327
(2978)	1997 02 17.73685	09 20 00.62	+16 25 34.3		327	(3814)	1997 02 07.75593	10 28 49.75	+09 51 53.0		327
(2997)	1997 02 04.71350	10 09 04.00	+17 19 13.3	17.4	327	(3814)	1997 02 14.72352	10 23 48.88	+10 24 44.0	16.5	327
(2997)	1997 02 04.72860	10 09 03.00	+17 19 17.2		327	(3814)	1997 02 14.73784	10 23 48.12	+10 24 48.0		327
(2997)	1997 02 04.74372	10 09 02.12	+17 19 20.6		327	(3814)	1997 02 14.75324	10 23 47.50	+10 24 52.5		327
(2997)	1997 02 14.75860	09 59 20.12	+17 56 00.3		327	(3814)	1997 02 18.68301	10 20 47.75	+10 44 09.6	16.2	327
(2997)	1997 02 14.77322	09 59 19.25	+17 56 03.2	17.0	327	(3814)	1997 02 18.70358	10 20 46.75	+10 44 15.7		327
(2997)	1997 02 14.78807	09 59 18.25	+17 56 06.1		327	(3814)	1997 02 18.72319	10 20 45.75	+10 44 21.5		327
(3029)	1997 02 06.50308	03 44 54.94	+23 05 41.8	17.4	327	(4017)	1997 02 07.85943	14 11 53.75	-12 08 22.2		327
(3029)	1997 02 06.51737	03 44 55.50	+23 05 42.2		327	(4017)	1997 02 07.87390	14 11 54.12	-12 08 24.6	17.5	327
(3029)	1997 02 06.53205	03 44 56.12	+23 05 42.3		327	(4017)	1997 02 07.88836	14 11 54.50	-12 08 27.2		327
(3176)	1997 02 06.85815	13 19 52.38	+13 17 08.0		327	(4179)	1997 01 29.61367	08 01 13.38	+20 28 00.0	14.4	327
(3176)	1997 02 06.87353	13 19 52.38	+13 17 11.1	16.1	327	(4179)	1997 01 29.62333	08 01 13.00	+20 28 01.6		327
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(3245)	1997 02 15.58028	07 48 41.50	+21 25 51.1		327	(4242)	1997 01 30.69740	09 15 38.75	+16 22 58.0		327
(3245)	1997 02 15.59468	07 48 41.00	+21 25 52.5	17.8	327	(4242)	1997 01 30.71273	09 15 38.00	+16 23 01.2	17.3	327
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(3303)	1997 02 08.46354	01 59 33.00	+12 07 52.7	17.6	327	(4242)	1997 02 12.66127	09 04 49.50	+17 10 22.2		327
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(3557)	1997 02 17.67795	08 56 25.38	+11 15 44.8	17.5	327	(4746)	1997 02 15.64635	09 26 56.88	+14 07 04.0		327
(3557)	1997 02 17.69267	08 56 24.88	+11 15 47.7		327	(4746)	1997 02 15.66231	09 26 56.25	+14 07 07.6		327
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(3642)	1997 03 08.89190	15 35 49.75	-01 46 08.1		327	(4840)	1997 02 07.79637	11 22 16.75	-18 07 16.6		327
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(4989)	1997 02 15.62434	09 21 02.38	+13 49 47.5		327
(4989)	1997 02 15.63647	09 21 01.62	+13 49 47.2		327
(4989)	1997 02 15.64163	09 21 01.38	+13 49 47.0	17.5	327
(4989)	1997 02 15.65200	09 21 00.62	+13 49 47.7		327
(4989)	1997 02 15.65707	09 21 00.25	+13 49 47.5		327
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(5440)	1997 02 17.59465	09 54 22.88	+17 07 54.7	16.8	327
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(5494)	1997 02 01.50382	04 00 59.19	+21 52 43.6		327
(5494)	1997 02 01.51929	04 00 59.62	+21 52 44.2		327
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(5502)	1997 01 30.77028	10 17 57.88	+21 33 39.2		327
(5502)	1997 01 30.78487	10 17 57.12	+21 33 41.0		327
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(5578)	1997 01 27.73569	08 55 40.38	+15 01 58.8		327
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(5607)	1997 02 18.73304	10 17 40.25	+09 49 08.7		327
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(6093)	1997 02 07.90804	15 00 11.38	-12 43 30.7	18.2	327
(6093)	1997 02 07.91763	15 00 11.75	-12 43 31.0		327
(6551)	1997 02 12.64406	09 05 13.38	+17 04 36.7		327
(6551)	1997 02 12.66127	09 05 12.38	+17 04 44.7	16.5	327
(6551)	1997 02 12.68359	09 05 11.12	+17 04 54.8		327
(6551)	1997 02 12.72317	09 05 08.75	+17 05 13.1		327
(6630)	1997 02 06.72392	09 18 09.00	+25 26 01.0	16.7	327
(6630)	1997 02 06.73402	09 18 08.38	+25 26 04.0		327
(6630)	1997 02 06.74414	09 18 07.62	+25 26 07.2		327
(6645)	1997 01 28.68030	09 14 19.12	+17 11 44.6	16.9	327
(6645)	1997 01 28.69043	09 14 18.50	+17 11 46.7		327
(6645)	1997 01 28.70028	09 14 18.00	+17 11 48.7		327
(6770)	1997 02 17.50823	03 27 49.69	+08 17 38.7		327
(6770)	1997 02 17.51186	03 27 49.88	+08 17 40.2		327
(6770)	1997 02 17.51485	03 27 50.06	+08 17 41.7		327
(6770)	1997 02 17.51789	03 27 50.25	+08 17 43.0	17.9	327
(6789)	1997 02 20.84961	15 00 36.88	-09 56 29.8		327
(6789)	1997 02 20.85439	15 00 37.00	-09 56 29.6		327

(6789)	1997 02 20.85906	15 00 37.12	-09 56 28.6		327
(6789)	1997 02 20.86385	15 00 37.25	-09 56 28.8	18.3	327
(6797)	1997 02 07.58377	07 31 54.62	+22 23 03.2	16.7	327
(6797)	1997 02 07.59897	07 31 54.00	+22 23 04.5		327
(6797)	1997 02 07.61367	07 31 53.25	+22 23 05.5		327
(7407)	1997 02 07.58377	07 30 38.50	+21 29 40.5		327
(7407)	1997 02 07.59897	07 30 37.88	+21 29 41.2	16.6	327
(7407)	1997 02 07.61367	07 30 37.25	+21 29 41.1		327

355 Hadano

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

[asami@st.rim.or.jp]

0.2-m $f/6.0$ reflector + CCD, 0.28-m $f/5.0$ reflector + CCD

GSC

1997 AR ₁₆	1997 03 04.61920	11 57 28.27	+04 15 46.4		355
1997 AR ₁₆	1997 03 04.62500	11 57 27.92	+04 15 45.4		355
1997 AR ₁₆	1997 03 04.62854	11 57 27.73	+04 15 45.4		355
1997 AR ₁₆	1997 03 07.64769	11 54 25.74	+04 10 34.7		355
1997 AR ₁₆	1997 03 07.65144	11 54 25.54	+04 10 34.4		355
1997 AR ₁₆	1997 03 07.65515	11 54 25.33	+04 10 33.5		355
1997 AR ₁₆	1997 03 11.63117	11 50 16.40	+04 03 42.6		355
1997 AR ₁₆	1997 03 11.63677	11 50 16.02	+04 03 41.6		355
1997 AR ₁₆	1997 03 11.64387	11 50 15.58	+04 03 40.7		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

1992 WG ₃	1997 02 08.54866	07 31 14.93	+19 03 43.7	17.2 V	358
1992 WG ₃	1997 02 08.59517	07 31 13.16	+19 03 49.4		358
1997 AK ₁₉	1997 02 05.50160	07 29 41.84	+18 19 15.2	16.6 V	358
1997 AK ₁₉	1997 02 05.54454	07 29 39.41	+18 19 26.7		358
1997 AL ₁₉	1997 02 08.60498	07 29 19.20	+20 20 25.5	17.6 V	358
1997 AL ₁₉	1997 02 08.63284	07 29 17.74	+20 20 33.8		358
1997 AM ₁₉	1997 02 08.61190	07 27 28.96	+19 48 13.1	17.2 V	358
1997 AM ₁₉	1997 02 08.62865	07 27 28.13	+19 48 14.8		358
1997 BJ ₉	1997 03 01.64079	10 24 15.81	+11 55 14.9	17.2 V	358
1997 BJ ₉	1997 03 01.67285	10 24 13.87	+11 55 22.8		358
1997 BJ ₉	1997 03 03.59309	10 22 12.34	+12 03 55.3	17.8 V	358
1997 BJ ₉	1997 03 03.61389	10 22 11.19	+12 03 59.7		358
1997 CK ₂₉	1997 02 10.68196	10 45 11.29	+07 57 36.5	16.9 V	358
1997 CK ₂₉	1997 02 10.70564	10 45 09.81	+07 57 43.3		358
1997 CK ₂₉	* 1997 02 14.70455	10 41 28.93	+08 15 59.0	16.5 V	358
1997 CK ₂₉	1997 02 14.74066	10 41 26.83	+08 16 09.1		358
1997 CK ₂₉	1997 02 18.66132	10 37 37.61	+08 35 08.1	16.4 V	358
1997 CK ₂₉	1997 02 18.68281	10 37 36.20	+08 35 14.6		358
1997 EJ ₂₅	* 1997 03 01.57282	10 23 47.61	+08 48 45.0	17.7 V	358
1997 EJ ₂₅	1997 03 01.62288	10 23 45.25	+08 48 56.2		358
1997 EJ ₂₅	1997 03 03.55997	10 22 15.86	+08 54 57.9	17.9 V	358
1997 EJ ₂₅	1997 03 03.60291	10 22 13.89	+08 55 05.1		358
1997 EK ₂₅	* 1997 03 01.57971	10 23 55.83	+10 00 49.6	17.4 V	358
1997 EK ₂₅	1997 03 01.65757	10 23 51.18	+10 01 19.3		358
1997 EK ₂₅	1997 03 03.56409	10 21 58.81	+10 14 37.6	17.4 V	358

1997 MAR. 24

M.P.C. 29199

1997 EK ₂₅	1997 03 03.60703	10 21 56.15	+10 14 55.4		358
1997 EL ₂₅	* 1997 03 01.64218	10 22 42.52	+12 16 38.3	17.5 V	358
1997 EL ₂₅	1997 03 01.67421	10 22 40.55	+12 16 52.7		358
1997 EL ₂₅	1997 03 03.57234	10 20 55.83	+12 31 50.0	17.2 V	358
1997 EL ₂₅	1997 03 03.59583	10 20 54.41	+12 32 02.0		358
1997 EV ₂₅	* 1997 03 01.69515	12 19 34.09	+01 34 25.1	17.3 V	358
1997 EV ₂₅	1997 03 01.72152	12 19 32.97	+01 34 36.9		358
1997 EV ₂₅	1997 03 03.66351	12 18 20.18	+01 46 39.4	17.0 V	358
1997 EV ₂₅	1997 03 03.69119	12 18 19.02	+01 46 49.8		358
1997 EW ₂₅	* 1997 03 03.70655	12 38 10.13	+00 17 32.4	18.2 V	358
1997 EW ₂₅	1997 03 03.72744	12 38 09.25	+00 17 32.8		358
1997 EW ₂₅	1997 03 05.70800	12 36 39.11	+00 20 48.2	17.7 V	358
1997 EW ₂₅	1997 03 05.73441	12 36 37.94	+00 20 51.9		358
1997 EX ₂₅	* 1997 03 07.71970	12 32 39.29	+00 21 40.1	17.6 V	358
1997 EX ₂₅	1997 03 07.73914	12 32 38.44	+00 21 46.2		358
1997 EX ₂₅	1997 03 08.65968	12 31 59.88	+00 28 07.4	17.6 V	358
1997 EX ₂₅	1997 03 08.71660	12 31 57.28	+00 28 27.8		358
1997 EY ₂₅	* 1997 03 07.72934	12 31 22.40	+03 03 44.1	18.0 V	358
1997 EY ₂₅	1997 03 07.74875	12 31 21.51	+03 03 54.9		358
1997 EY ₂₅	1997 03 08.66929	12 30 45.11	+03 12 41.3	18.3 V	358
1997 EY ₂₅	1997 03 08.70259	12 30 43.79	+03 13 01.3		358

360 Kuma Kogen Astronomical Observatory

A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken, 791-12

Japan [gcc00404@niftyserve.or.jp]

0.60-m *f*/6.0 Ritchey-Chrétien + CCD

GSC, USNO

1991 CS	1997 02 22.78368	12 47 43.87	+08 22 58.3	15.4 V	360
1991 CS	1997 02 22.78785	12 47 43.74	+08 23 40.6		360
1991 CS	1997 02 22.79097	12 47 43.64	+08 24 12.1		360
1991 VH	1997 03 01.74236	11 59 29.38	+25 07 00.3	16.0 V	360
1991 VH	1997 03 01.74462	11 59 29.18	+25 07 06.8		360
1991 VH	1997 03 01.74688	11 59 28.97	+25 07 13.2		360
1992 CC ₁	1997 03 04.66944	11 45 53.68	+00 26 11.7	16.4 V	360
1992 CC ₁	1997 03 04.67292	11 45 53.07	+00 26 09.7		360
1992 CC ₁	1997 03 04.67622	11 45 52.49	+00 26 08.2		360
1994 JT	1997 03 01.69931	10 53 17.56	+05 16 50.8	17.8 V	360
1994 JT	1997 03 01.70434	10 53 17.29	+05 16 53.7		360
1994 JT	1997 03 05.66389	10 49 47.06	+05 56 45.1	17.8 V	360
1994 JT	1997 03 05.66979	10 49 46.73	+05 56 48.7		360
1994 JT	1997 03 05.67639	10 49 46.36	+05 56 52.7		360
1994 QC	1997 03 11.80573	15 22 33.47	-00 08 42.2	S 360	
1994 QC	1997 03 11.80972	15 22 34.01	-00 08 34.9	S 360	
1994 VY	1997 03 11.69271	12 40 50.39	-17 32 34.1		360
1994 VY	1997 03 11.69844	12 40 50.14	-17 32 33.3		360
1995 SP ₂	1997 03 01.68038	10 07 57.54	+23 32 08.7		360
1995 SP ₂	1997 03 04.64132	10 05 11.11	+23 44 38.7	19.3 V	360
1995 SP ₂	1997 03 04.64688	10 05 10.79	+23 44 40.0		360
1995 WE ₁	1997 03 01.56181	09 05 28.90	+23 14 09.7	18.2 V	360
1995 WE ₁	1997 03 01.56719	09 05 28.69	+23 14 10.4		360
1995 WC ₇	1997 02 09.73785	11 27 04.00	+11 45 12.9	18.8 V	360
1995 WC ₇	1997 02 09.74410	11 27 03.78	+11 45 14.7		360
1995 WC ₇	1997 02 09.75000	11 27 03.55	+11 45 16.0		360

1995 WC ₇	1997 03 01.71094	11 12 32.07	+13 12 44.1	18.6 V	360
1995 WC ₇	1997 03 01.71597	11 12 31.80	+13 12 45.2		360
1995 YZ ₁	1997 03 04.79566	13 20 50.43	-08 16 04.9	18.5 V	360
1995 YZ ₁	1997 03 04.80139	13 20 50.24	-08 16 04.5		360
1995 YZ ₁	1997 03 04.80781	13 20 50.04	-08 16 04.1		360
1995 YZ ₁	1997 03 11.74306	13 16 50.65	-08 05 32.8		360
1995 YZ ₁	1997 03 11.75313	13 16 50.27	-08 05 32.1		360
1996 FG ₃	1997 03 05.64948	09 27 15.33	+10 57 04.7	18.0 V	360
1996 FG ₃	1997 03 05.65417	09 27 14.57	+10 57 07.6		360
1996 FG ₃	1997 03 05.65799	09 27 13.95	+10 57 10.3		360
1996 RG ₃	1997 03 11.78872	15 13 47.74	-12 26 28.7		360
1996 RG ₃	1997 03 11.79306	15 13 47.22	-12 26 24.7		360
1996 RG ₃	1997 03 11.79826	15 13 46.55	-12 26 19.5		360
1996 TO ₅	1997 03 07.43872	04 39 10.94	+00 55 18.4	18.9 V	360
1996 TO ₅	1997 03 07.44358	04 39 11.98	+00 55 25.5		360
1996 TO ₅	1997 03 07.44757	04 39 12.86	+00 55 31.0		360
1997 AW ₁₇	1997 02 24.46181	08 55 34.18	+20 50 54.0	18.4 V	360
1997 AW ₁₇	1997 02 24.46632	08 55 33.97	+20 50 54.7		360
1997 AW ₁₇	1997 03 01.57899	08 51 56.51	+21 03 58.6	18.7 V	360
1997 AW ₁₇	1997 03 01.58351	08 51 56.34	+21 03 59.1		360
1997 AW ₁₇	1997 03 07.52188	08 48 44.35	+21 13 42.4		360
1997 AW ₁₇	1997 03 07.53038	08 48 44.09	+21 13 43.1		360
1997 BQ	1997 02 19.82813	17 32 53.03	+60 34 55.8		360
1997 BQ	1997 02 19.83056	17 32 54.42	+60 34 44.5		360
1997 BQ	1997 02 19.83368	17 32 56.24	+60 34 30.1		360
1997 BQ	1997 02 22.80399	17 59 52.84	+56 21 05.1	17.5 V	360
1997 BQ	1997 02 22.80747	17 59 54.48	+56 20 47.0		360
1997 BQ	1997 02 22.81076	17 59 56.05	+56 20 29.8		360
1997 BR	1997 02 20.50417	09 36 34.15	+48 33 43.2		360
1997 BR	1997 02 20.50729	09 36 33.68	+48 33 52.4		360
1997 BR	1997 02 20.51267	09 36 32.96	+48 34 08.0		360
1997 BR	1997 02 24.48455	09 27 16.81	+51 39 23.9	17.7 V	360
1997 BR	1997 02 24.48715	09 27 16.44	+51 39 30.9		360
1997 BR	1997 02 24.48976	09 27 16.02	+51 39 38.1		360
1997 CO ₅	1997 02 24.47222	08 47 32.84	+12 07 14.6	18.5 V	360
1997 CO ₅	1997 02 24.47517	08 47 32.71	+12 07 11.1		360
1997 CO ₅	1997 02 24.47813	08 47 32.59	+12 07 08.3		360
1997 CZ ₅	1997 02 20.47465	05 00 28.91	+14 08 54.1		360
1997 CZ ₅	1997 02 20.47778	05 00 29.37	+14 08 50.0		360
1997 CZ ₅	1997 02 20.48646	05 00 30.62	+14 08 38.5		360
1997 CZ ₅	1997 03 07.45243	05 37 26.12	+09 23 33.1	15.8 V	360
1997 CZ ₅	1997 03 07.45694	05 37 26.78	+09 23 28.6		360
1997 CF ₁₇	1997 03 05.55781	08 56 14.63	+13 33 26.3	18.4 V	360
1997 CF ₁₇	1997 03 05.56337	08 56 14.44	+13 33 27.0		360
1997 CF ₁₇	1997 03 05.57135	08 56 14.20	+13 33 27.8		360
1997 CF ₁₇	1997 03 07.50122	08 55 21.45	+13 36 47.9		360
1997 CF ₁₇	1997 03 07.50868	08 55 21.25	+13 36 48.7		360
1997 CF ₁₇	1997 03 07.51563	08 55 21.05	+13 36 49.2		360
1997 CT ₂₁	1997 02 24.49948	10 09 57.71	+17 48 53.7		360
1997 CT ₂₁	1997 02 24.50642	10 09 57.34	+17 48 56.6		360
1997 CT ₂₁	1997 02 24.51354	10 09 56.92	+17 49 00.0		360
1997 CU ₂₆	1997 02 27.57292	08 28 03.09	+15 39 06.7	18.0 V	360

1997 CU ₂₆	1997 02 27.59653	08 28 02.83	+15 39 07.0		360
1997 CU ₂₆	1997 02 27.60208	08 28 02.75	+15 39 07.0		360
1997 CU ₂₆	1997 03 03.62917	08 27 19.40	+15 40 13.8		360
1997 CU ₂₆	1997 03 04.57604	08 27 09.67	+15 40 28.6		360
1997 CU ₂₆	1997 03 04.57934	08 27 09.65	+15 40 28.5		360
1997 DF	1997 03 03.65226	08 43 31.99	+21 30 00.1		S 360
1997 DF	1997 03 03.65729	08 43 31.92	+21 30 07.6		S 360
1997 DF	1997 03 04.59497	08 43 26.69	+21 52 25.0	19.3 V	360
1997 DF	1997 03 04.60469	08 43 26.59	+21 52 38.6		360
1997 DF	1997 03 04.60903	08 43 26.55	+21 52 44.4		360
1997 DF	1997 03 05.60156	08 43 23.68	+22 15 34.0	19.0 V	360
1997 DF	1997 03 05.60729	08 43 23.66	+22 15 41.7		360
1997 DF	1997 03 05.61285	08 43 23.60	+22 15 49.0		360
1997 DL	* 1997 02 27.61615	09 43 55.03	+12 44 30.6	18.3 V	360
1997 DL	1997 02 27.62101	09 43 54.78	+12 44 30.5		360
1997 DL	1997 02 27.64549	09 43 53.31	+12 44 31.8		S 360
1997 DL	1997 03 01.61493	09 42 05.66	+12 45 27.0	18.2 V	360
1997 DL	1997 03 01.61979	09 42 05.39	+12 45 27.1		360
1997 DL	1997 03 01.63108	09 42 04.74	+12 45 27.3		360
1997 DL	1997 03 04.63038	09 39 32.17	+12 46 09.8	18.0 V	360
1997 DL	1997 03 04.63490	09 39 31.93	+12 46 09.8		360
1997 DL	1997 03 05.61997	09 38 45.21	+12 46 12.1	18.0 V	360
1997 DL	1997 03 05.62448	09 38 44.98	+12 46 12.0		360
1997 DL	1997 03 11.61267	09 34 40.80	+12 44 10.7	18.3 V	360
1997 DL	1997 03 11.61875	09 34 40.59	+12 44 10.5		360
1997 EV	1997 03 04.68299	11 59 53.46	+26 09 05.0	18.2 V	360
1997 EV	1997 03 04.68646	11 59 53.13	+26 09 04.3		360
1997 EV	1997 03 04.69236	11 59 52.57	+26 09 03.4		360
1997 EV	1997 03 05.69618	11 58 17.66	+26 05 56.1	18.2 V	360
1997 EV	1997 03 05.70035	11 58 17.25	+26 05 55.1		360
1997 EV	1997 03 05.70347	11 58 16.96	+26 05 54.6		360
1997 EZ ₅	* 1997 03 05.66389	10 50 21.38	+05 54 58.1	17.6 V	360
1997 EZ ₅	1997 03 05.66979	10 50 21.14	+05 54 59.3		360
1997 EZ ₅	1997 03 05.67639	10 50 20.87	+05 55 00.8		360
1997 EZ ₅	1997 03 07.55451	10 49 07.39	+06 01 51.2		360
1997 EZ ₅	1997 03 07.56285	10 49 07.05	+06 01 52.9		360
1997 EZ ₅	1997 03 07.56910	10 49 06.80	+06 01 54.2		360
1997 EZ ₅	1997 03 09.64132	10 47 46.15	+06 09 24.1		S 360
1997 EZ ₅	1997 03 09.64965	10 47 45.80	+06 09 25.5		S 360
1997 EZ ₅	1997 03 09.66233	10 47 45.36	+06 09 28.9		S 360
1997 EZ ₅	1997 03 11.62865	10 46 29.90	+06 16 31.1	17.7 V	360
1997 EZ ₅	1997 03 11.63403	10 46 29.68	+06 16 32.4		360
(1916)	1997 03 04.69861	11 45 37.83	-03 02 42.1	18.8 V	360
(1916)	1997 03 04.70486	11 45 37.42	-03 02 40.7		360
(3671)	1997 03 11.77240	14 26 22.38	+14 29 47.7		360
(3671)	1997 03 11.77778	14 26 22.55	+14 29 51.8		360
(6685)	1997 03 05.64948	09 27 31.22	+10 58 57.0	18.0 V	360
(6685)	1997 03 05.65417	09 27 30.96	+10 58 58.7		360
(6685)	1997 03 05.65799	09 27 30.76	+10 59 00.0		360

367 Yatsuka

H. Abe, 461-2, Futago, Yatsuka-Cho, Shimane-Ken, 690-14 Japan

0.26-m $f/6.0$ reflector + CCD

GSC

1988 BC	1997 03 01.56389	10 37 12.52	+32 41 46.2	14.8 V	367
1988 BC	1997 03 01.56771	10 37 12.33	+32 41 47.3		367
1989 AD	1997 03 01.55521	10 15 37.50	+15 41 17.9	16.5 V	367
1989 AD	1997 03 01.55903	10 15 37.26	+15 41 18.3		367
1989 FG	1997 03 01.52257	10 48 47.60	+14 37 49.7	15.1 V	367
1989 FG	1997 03 01.52639	10 48 47.41	+14 37 50.4		367
1993 BH ₂	1997 03 01.53854	11 09 43.70	+10 55 45.9	16.0 V	367
1993 BH ₂	1997 03 01.54236	11 09 43.49	+10 55 47.4		367
1995 UV ₄	1997 03 01.54653	11 55 43.68	+22 15 36.6	14.3 V	367
1995 UV ₄	1997 03 01.55035	11 55 43.46	+22 15 38.2		367
1995 WO ₈	1997 03 01.53056	10 45 52.03	+13 48 18.7	15.1 V	367
1995 WO ₈	1997 03 01.53437	10 45 51.87	+13 48 21.1		367

369 Chichibu

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

Observer N. Sato

0.31-m $f/4.0$ reflector + CCD

GSC

1993 FT ₃₂	1997 03 09.46411	06 56 43.09	+24 47 39.6	18.0 V	369
1993 FT ₃₂	1997 03 09.50532	06 56 43.69	+24 47 38.7		369
1996 AY ₃	1997 03 04.73716	13 34 47.60	+09 24 13.1	17.5 V	369
1996 AY ₃	1997 03 04.74985	13 34 47.30	+09 24 18.9		369
1996 AY ₃	1997 03 09.68387	13 32 46.42	+10 00 07.3	17.4 V	369
1996 AY ₃	1997 03 09.68817	13 32 46.29	+10 00 09.6		369
1996 AY ₃	1997 03 09.70051	13 32 46.04	+10 00 15.2		369
1996 XZ ₃₁	1997 02 27.43639	06 11 52.20	+27 29 12.8	18.4 V	369
1996 XZ ₃₁	1997 02 27.46576	06 11 52.96	+27 29 12.9		369
1996 XD ₃₂	1997 03 01.47250	06 51 44.12	+38 31 06.4	17.3 V	369
1996 XD ₃₂	1997 03 01.50406	06 51 44.50	+38 31 01.1		I 369
1996 XD ₃₂	1997 03 09.47973	06 54 45.89	+38 12 29.3	17.5 V	I 369
1996 XD ₃₂	1997 03 09.50060	06 54 46.58	+38 12 21.6		369
1996 XE ₃₂	1997 03 01.45668	06 55 06.59	+32 51 06.5	18.2 V	369
1996 XE ₃₂	1997 03 01.48709	06 55 07.09	+32 50 57.9		369
1996 XE ₃₂	1997 03 09.45823	06 58 10.43	+32 14 47.6	18.0 V	369
1996 XE ₃₂	1997 03 09.48480	06 58 11.16	+32 14 40.2		369
1996 YO ₂	1997 01 28.40649	03 24 54.22	+18 35 14.4	18.0 V	369
1996 YO ₂	1997 01 28.43215	03 24 55.01	+18 35 18.9		369
1996 YO ₂	1997 01 28.45149	03 24 55.55	+18 35 22.0		369
1996 YB ₃	1997 02 27.42983	06 16 16.66	+21 35 11.6	18.0 V	369
1996 YB ₃	1997 02 27.46043	06 16 16.94	+21 35 05.4		369
1996 YD ₃	1997 03 01.47784	06 49 27.64	+32 35 46.4	18.3 V	369
1996 YD ₃	1997 03 01.50912	06 49 27.60	+32 35 40.1		369
1997 AC ₁	1997 03 01.54505	07 50 24.45	+24 38 33.7	18.2 V	369
1997 AC ₁	1997 03 01.58417	07 50 23.67	+24 38 33.8		369
1997 AH ₁	1997 03 04.46412	07 52 02.70	+27 07 39.7	18.6 V	369
1997 AH ₁	1997 03 04.49791	07 52 02.00	+27 07 40.2		369
1997 AQ ₂	1997 03 01.55376	07 49 28.01	+22 36 52.3	17.7 V	369
1997 AQ ₂	1997 03 01.58882	07 49 27.45	+22 36 45.2		369
1997 AQ ₂	1997 03 04.48639	07 48 50.14	+22 27 12.5	17.8 V	369
1997 AQ ₂	1997 03 04.51713	07 48 49.79	+22 27 05.1		369

1997 MAR. 24

M.P.C. 29201

1997 AQ ₂	1997 03 07.43216	07 48 28.13	+22 17 09.4	17.8 V	369	1997 CY ₁₆	1997 02 27.54617	10 47 42.13	+03 50 57.8		369
1997 AQ ₂	1997 03 07.49846	07 48 27.79	+22 16 52.7		369	1997 CY ₁₆	1997 03 01.64524	10 46 12.99	+04 06 27.5	17.0 V	369
1997 AB ₅	1997 03 04.43056	07 03 29.61	+32 17 15.2	18.0 V	369	1997 CY ₁₆	1997 03 01.66657	10 46 12.11	+04 06 37.3		369
1997 AB ₅	1997 03 04.44765	07 03 30.20	+32 17 10.2		369	1997 CZ ₁₆	1997 03 01.64904	10 44 49.21	+01 45 22.7	17.0 V	369
1997 AF ₅	1997 03 04.46924	07 51 34.57	+27 06 06.3	18.6 V	369	1997 CZ ₁₆	1997 03 01.65354	10 44 48.87	+01 45 23.4		369
1997 AF ₅	1997 03 04.50306	07 51 33.92	+27 06 08.2		I 369	1997 CZ ₁₆	1997 03 01.67078	10 44 47.75	+01 45 24.7		I 369
1997 AU ₆	1997 03 04.53440	08 55 35.08	+18 48 17.5	17.3 V	369	1997 CR ₂₁	1997 02 27.55043	09 07 47.96	+18 07 33.7	17.7 V	369
1997 AU ₆	1997 03 04.55888	08 55 34.32	+18 48 20.3		369	1997 CR ₂₁	1997 02 27.57277	09 07 46.96	+18 07 37.3		369
1997 AV ₆	1997 03 04.53895	08 55 36.24	+20 43 29.3	17.9 V	369	1997 CR ₂₁	1997 03 04.58559	09 04 34.14	+18 25 20.9	17.8 V	369
1997 AV ₆	1997 03 04.56341	08 55 35.44	+20 43 35.0		369	1997 CR ₂₁	1997 03 04.60426	09 04 33.49	+18 25 23.9		369
1997 AT ₁₈	1997 03 04.41902	06 55 22.47	+32 11 25.7	18.1 V	369	1997 CV ₂₁	1997 03 04.62939	11 42 41.09	+06 26 39.8	17.5 V	369
1997 AT ₁₈	1997 03 04.43600	06 55 22.63	+32 11 21.6		369	1997 CV ₂₁	1997 03 04.63453	11 42 40.77	+06 26 41.6		369
1997 AT ₁₈	1997 03 09.47492	06 56 13.38	+31 49 40.5	18.1 V	369	1997 CV ₂₁	1997 03 04.65171	11 42 39.71	+06 26 46.3		369
1997 AT ₁₈	1997 03 09.49581	06 56 13.58	+31 49 34.3		369	1997 CV ₂₁	1997 03 09.62978	11 37 35.30	+06 50 26.3	17.5 V	369
1997 AU ₁₈	1997 03 04.45883	07 55 17.92	+27 46 11.7	18.3 V	369	1997 CV ₂₁	1997 03 09.63755	11 37 34.82	+06 50 28.1		369
1997 AU ₁₈	1997 03 04.52237	07 55 17.15	+27 46 13.6		369	1997 CV ₂₁	1997 03 09.64156	11 37 34.51	+06 50 29.6		369
1997 AW ₁₈	1997 03 01.58882	07 50 02.65	+22 41 33.0	17.3 V	369	1997 DH	* 1997 02 27.49088	07 51 27.83	+21 56 54.7	17.7 V	369
1997 AW ₁₈	1997 03 04.48639	07 49 34.68	+22 31 39.5	17.5 V	369	1997 DH	1997 02 27.52468	07 51 27.04	+21 56 51.5		369
1997 AW ₁₈	1997 03 04.51713	07 49 34.42	+22 31 31.9		369	1997 DH	1997 03 01.54985	07 50 47.21	+21 51 56.8	17.8 V	369
1997 AZ ₂₁	1997 03 01.60904	09 03 40.53	+18 03 34.7	17.7 V	369	1997 DH	1997 03 01.57852	07 50 46.74	+21 51 52.4		369
1997 AZ ₂₁	1997 03 01.62889	09 03 39.68	+18 03 37.1		369	1997 DH	1997 03 04.47708	07 50 01.81	+21 44 30.6	17.9 V	369
1997 AA ₂₂	1997 03 01.46705	06 52 22.57	+31 32 05.9	18.1 V	369	1997 DH	1997 03 04.48264	07 50 01.72	+21 44 29.0		369
1997 AA ₂₂	1997 03 01.49890	06 52 22.69	+31 31 55.0		369	1997 DH	1997 03 04.50867	07 50 01.28	+21 44 25.8		369
1997 BU ₄	1997 02 27.55505	09 02 56.62	+16 51 46.1	18.0 V	369	1997 DH	1997 03 04.51315	07 50 01.25	+21 44 25.2		369
1997 BU ₄	1997 02 27.57723	09 02 55.74	+16 51 56.3		369	1997 DJ	* 1997 02 27.49453	07 50 38.49	+21 28 55.0	17.0 V	369
1997 BU ₄	1997 03 01.61994	09 01 38.96	+17 08 03.8	18.0 V	369	1997 DJ	1997 02 27.52841	07 50 37.79	+21 29 04.0		369
1997 BU ₄	1997 03 01.63903	09 01 38.26	+17 08 13.2		369	1997 DJ	1997 03 01.55854	07 50 07.60	+21 37 01.6	17.0 V	369
1997 BY ₄	1997 03 04.42472	06 54 15.00	+33 48 54.5	17.9 V	369	1997 DJ	1997 03 01.59255	07 50 07.00	+21 37 09.3		I 369
1997 BY ₄	1997 03 04.44204	06 54 15.31	+33 48 51.3		369	1997 DJ	1997 03 04.47708	07 49 39.59	+21 47 32.8	17.5 V	369
1997 BY ₄	1997 03 09.46955	06 56 27.98	+33 35 20.8	18.0 V	I 369	1997 DJ	1997 03 04.48264	07 49 39.56	+21 47 33.5		369
1997 BY ₄	1997 03 09.49008	06 56 28.60	+33 35 17.1		369	1997 DJ	1997 03 04.50867	07 49 39.29	+21 47 38.6		369
1997 BH ₈	1997 02 13.48721	08 00 36.79	+23 32 06.8	17.5 V	369	1997 DJ	1997 03 04.51315	07 49 39.27	+21 47 39.5		369
1997 BH ₈	1997 02 13.49690	08 00 36.36	+23 32 06.2		369	1997 DK	* 1997 02 27.54144	10 47 26.20	+03 58 59.7	17.0 V	369
1997 BH ₈	1997 02 13.50481	08 00 35.86	+23 32 05.4		369	1997 DK	1997 02 27.54617	10 47 25.99	+03 59 00.1		369
1997 BH ₈	1997 03 01.53433	07 50 53.23	+23 05 29.4	18.1 V	369	1997 DK	1997 03 01.64524	10 45 38.01	+04 04 10.3	17.2 V	369
1997 BH ₈	1997 03 01.57403	07 50 52.27	+23 05 24.0		369	1997 DK	1997 03 01.66657	10 45 36.89	+04 04 14.3		369
1997 CK ₅	1997 02 13.55444	09 15 15.08	+15 27 39.5	17.7 V	369	1997 DK	1997 03 04.61392	10 43 06.08	+04 11 40.6	17.3 V	369
1997 CK ₅	1997 02 13.57113	09 15 14.24	+15 27 40.7		369	1997 DK	1997 03 04.61984	10 43 05.72	+04 11 41.1		369
1997 CK ₅	1997 03 01.63394	09 02 22.83	+15 43 43.4	18.5 V	369	1997 DK	1997 03 04.62509	10 43 05.46	+04 11 42.0		369
1997 CL ₅	1997 03 01.60512	09 05 27.58	+17 50 48.9	17.7 V	369	1997 DK	1997 03 09.60183	10 38 55.60	+04 24 26.4	17.3 V	369
1997 CL ₅	1997 03 01.62524	09 05 26.77	+17 50 54.3		369	1997 DK	1997 03 09.60582	10 38 55.39	+04 24 26.5		369
1997 CK ₁₃	1997 03 01.72455	11 43 31.35	+06 13 54.3	16.5 V	369	1997 DK	1997 03 09.61053	10 38 55.13	+04 24 27.2		369
1997 CK ₁₃	1997 03 01.73987	11 43 30.75	+06 13 59.5		369	1997 EM ₂₅	* 1997 03 01.60512	09 05 01.05	+17 54 03.0	17.7 V	369
1997 CK ₁₃	1997 03 04.63819	11 41 28.63	+06 29 34.4	16.5 V	369	1997 EM ₂₅	1997 03 01.62524	09 05 00.18	+17 54 12.7		369
1997 CK ₁₃	1997 03 04.65544	11 41 27.88	+06 29 41.1		369	1997 EM ₂₅	1997 03 04.58932	09 03 18.96	+18 17 47.9	17.8 V	369
1997 CV ₁₆	1997 03 04.57463	09 06 03.19	+16 44 46.1	18.7 V	369	1997 EM ₂₅	1997 03 04.60821	09 03 18.33	+18 17 56.3		369
1997 CW ₁₆	1997 03 04.58086	09 04 54.11	+19 52 59.6	18.4 V	369	1997 EM ₂₅	1997 03 07.50354	09 01 51.62	+18 39 32.3	17.8 V	369
1997 CW ₁₆	1997 03 04.59951	09 04 53.47	+19 53 09.0		369	1997 EM ₂₅	1997 03 07.53358	09 01 50.76	+18 39 43.9		369
1997 CX ₁₆	1997 03 01.65726	10 42 07.43	+02 00 16.6	17.7 V	369	1997 EM ₂₅	1997 03 09.55479	09 00 57.62	+18 53 54.0	17.7 V	369
1997 CX ₁₆	1997 03 01.66240	10 42 07.15	+02 00 17.6		369	1997 EO ₂₅	1997 03 01.72455	11 43 43.74	+06 05 50.2	17.8 V	369
1997 CX ₁₆	1997 03 01.67485	10 42 06.42	+02 00 19.0		369	1997 EO ₂₅	1997 03 01.73987	11 43 42.70	+06 05 53.9		369
1997 CY ₁₆	1997 02 27.54144	10 47 42.36	+03 50 54.6	17.1 V	369	1997 EO ₂₅	* 1997 03 04.64186	11 41 08.02	+06 21 45.6	17.5 V	I 369

1997 EO ₂₅	1997 03 04.64763	11 41 07.81	+06 21 50.3		I 369
1997 EO ₂₅	1997 03 04.65972	11 41 07.03	+06 21 51.2		369
1997 EO ₂₅	1997 03 07.59494	11 38 22.90	+06 38 12.5	17.5 V	369
1997 EO ₂₅	1997 03 07.60049	11 38 22.53	+06 38 11.8		369
1997 EO ₂₅	1997 03 07.60512	11 38 22.27	+06 38 12.3		369
1997 EO ₂₅	1997 03 09.63361	11 36 25.10	+06 49 29.6	17.4 V	369
1997 EO ₂₅	1997 03 09.64551	11 36 24.42	+06 49 32.9		369
1997 EO ₂₅	1997 03 09.65047	11 36 24.09	+06 49 34.1		369
(4053)	1997 03 04.53440	08 55 43.70	+18 43 42.7	17.0 V	369
(4053)	1997 03 07.45787	08 53 51.59	+18 44 57.1		369
(5933)	1997 02 27.49453	07 50 13.05	+21 13 40.2	17.7 V	369
(5933)	1997 02 27.52841	07 50 12.02	+21 13 43.8		369
(5933)	1997 03 01.56855	07 49 19.70	+21 15 47.6	17.7 V	369
(5933)	1997 03 01.60021	07 49 18.91	+21 15 50.1		369
(7473)	1997 03 09.61477	11 33 36.97	+06 37 25.9	16.8 V	369
(7473)	1997 03 09.61920	11 33 36.76	+06 37 26.9		369
(7473)	1997 03 09.62441	11 33 36.50	+06 37 29.0		369

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N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo, 187 Japan
0.30-m reflector + CCD
GSC

1989 UW ₂	1997 02 14.73036	10 31 38.49	−04 02 13.7		376
1989 UW ₂	1997 02 14.73924	10 31 38.12	−04 02 10.7	16.4 V	376
1989 UW ₂	1997 03 01.57308	10 21 07.30	−02 35 34.7		376
1989 UW ₂	1997 03 01.61833	10 21 05.42	−02 35 18.4		376
1992 UY ₂	1997 03 01.44711	08 32 03.52	+11 15 14.9		376
1992 UY ₂	1997 03 01.45981	08 32 03.19	+11 15 18.7		376
1992 UH ₆	1997 03 01.62431	10 16 26.30	+21 23 21.8		376
1992 UH ₆	1997 03 01.63269	10 16 25.74	+21 23 25.0		376
1992 UJ ₆	1997 03 01.55731	09 50 08.89	+03 58 59.0		376
1992 UJ ₆	1997 03 01.56615	09 50 08.43	+03 59 03.3		376

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T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken, 424 Japan
0.31-m $f/4.7$ reflector + CCD
GSC

1986 ED	1997 03 09.70339	13 14 32.78	−02 46 38.4		385
1986 ED	1997 03 09.71823	13 14 32.38	−02 46 36.7		385
1992 UX	1997 03 04.48215	06 46 40.23	+31 23 31.2	18.3 V	385
1992 UX	1997 03 04.50808	06 46 40.93	+31 23 28.5		385
1992 UY	1997 03 04.52709	08 20 08.02	+12 51 46.2	18.7 V	385
1992 UD ₂	1997 03 04.55888	08 23 21.61	+57 45 46.0	18.2 V	385
1992 UD ₂	1997 03 04.59076	08 23 20.46	+57 45 24.1		385
1992 UD ₂	1997 03 07.56291	08 22 00.92	+57 11 41.1	17.9 V	385
1992 UD ₂	1997 03 07.56734	08 22 00.79	+57 11 36.7		385
1992 UD ₂	1997 03 07.57160	08 22 00.63	+57 11 33.6		385
1992 YB	1997 03 03.71088	10 29 15.87	+12 24 06.9	17.6 V	385
1992 YB	1997 03 03.72058	10 29 15.32	+12 24 11.1		385
1992 YE	1997 02 13.67869	11 18 30.93	−03 21 35.5	18.0 V	385
1992 YE	1997 02 18.74237	11 14 03.45	−03 13 30.9	17.4 V	385
1992 YE	1997 02 18.75799	11 14 02.51	−03 13 29.6		385
1992 YE	1997 03 05.67938	10 59 01.64	−02 25 22.4	17.3 V	385

1992 YE	1997 03 05.69413	10 59 00.69	−02 25 18.7		385
1993 AA	1997 03 04.59625	08 37 16.05	+12 03 11.2	17.8 V	385
1993 AA	1997 03 04.61184	08 37 15.57	+12 03 14.6		385
1993 AA	1997 03 07.60514	08 35 56.18	+12 13 57.6	18.2 V	385
1993 AA	1997 03 07.63918	08 35 55.35	+12 14 05.0		385
1993 BF	1997 02 18.77390	11 51 07.25	−09 18 46.1	17.3 V	385
1993 BF	1997 02 18.78801	11 51 06.62	−09 18 46.0		385
1993 BF	1997 03 05.71036	11 37 30.14	−09 01 03.0	17.1 V	385
1993 BF	1997 03 05.73479	11 37 28.59	−09 00 59.1		385
1993 BJ	1997 03 05.68492	11 07 29.74	+02 21 44.5	17.5 V	385
1993 BJ	1997 03 05.69882	11 07 28.83	+02 21 47.7		385
1993 BJ	1997 03 08.63731	11 04 28.65	+02 35 13.4		385
1993 BJ	1997 03 08.65571	11 04 27.49	+02 35 18.6		385
1993 BR ₃	1997 03 04.47682	06 30 47.98	+23 00 24.4	18.2 V	I 385
1993 BR ₃	1997 03 04.50362	06 30 48.70	+23 00 33.2		385
1994 CA	1997 02 18.80572	12 23 41.92	−16 57 33.1	17.1 V	385
1994 CA	1997 02 18.81558	12 23 41.35	−16 57 39.4		385
1994 CA	1997 03 03.73644	12 08 45.78	−19 09 25.1	17.1 V	385
1994 CA	1997 03 03.74560	12 08 45.00	−19 09 29.8		385
1994 NJ ₁	1997 03 09.62891	12 20 06.41	−03 59 40.8	18.8 V	385
1994 NJ ₁	1997 03 09.64422	12 20 05.65	−03 59 36.1		385
1994 OB	1997 03 03.73071	11 58 45.88	+04 54 02.3	17.7 V	385
1994 OB	1997 03 03.74101	11 58 45.35	+04 54 05.0		385
1994 OB	1997 03 09.62329	11 53 41.09	+05 35 14.2	17.8 V	385
1994 OB	1997 03 09.63961	11 53 40.18	+05 35 21.5		385
1994 PO	1997 03 03.69576	10 23 34.88	+01 20 35.4	16.7 V	385
1994 PO	1997 03 03.70529	10 23 34.26	+01 20 35.6		385
1995 PQ	1997 03 04.63854	10 12 01.36	+22 37 07.5	18.8 V	385
1995 PQ	1997 03 04.64274	10 12 01.18	+22 37 09.5		385
1995 PQ	1997 03 04.64699	10 12 00.94	+22 37 11.2		385
1995 QH ₂	1997 03 04.49891	07 55 56.49	+30 41 46.2	18.8 V	385
1995 QH ₂	1997 03 04.52152	07 55 56.02	+30 41 42.4		385
1995 SL ₂	1997 03 03.64882	08 50 50.61	+10 53 23.1	17.6 V	385
1995 SL ₂	1997 03 03.65880	08 50 50.24	+10 53 27.6		385
1995 TB ₁	1997 02 18.72642	10 43 37.18	+10 53 16.5	17.4 V	385
1995 TB ₁	1997 02 18.73516	10 43 36.58	+10 53 20.5		385
1995 TB ₁	1997 02 18.75266	10 43 35.70	+10 53 26.6		385
1995 TB ₁	1997 03 03.71610	10 31 59.57	+12 20 40.8	17.8 V	385
1995 TB ₁	1997 03 03.72509	10 31 59.10	+12 20 44.9		385
1995 TB ₁	1997 03 08.63248	10 27 46.52	+12 50 37.8	17.7 V	385
1995 TB ₁	1997 03 08.65190	10 27 45.50	+12 50 44.9		385
1995 UK ₃	1997 03 03.67456	10 01 39.15	−11 51 03.0	17.2 V	385
1995 UK ₃	1997 03 03.68362	10 01 38.72	−11 50 59.9		385
1995 UH ₄	1997 03 05.58515	09 11 02.09	+11 18 39.7	18.8 V	385
1995 UH ₄	1997 03 05.60726	09 11 01.19	+11 18 41.0		385
1995 UE ₆	1997 03 05.59694	09 18 38.08	+17 16 33.6	17.8 V	385
1995 UE ₆	1997 03 05.61774	09 18 37.34	+17 16 38.1		385
1995 UF ₆	1997 03 04.53244	08 20 54.32	+36 23 10.5	18.7 V	385
1995 UF ₆	1997 03 04.56825	08 20 53.12	+36 23 04.1		385
1995 UA ₇	1997 03 04.62716	09 06 48.34	+22 44 11.7	18.1 V	385
1995 UA ₇	1997 03 04.65185	09 06 47.17	+22 44 16.0		385
1995 UA ₇	1997 03 08.52487	09 03 55.54	+22 55 15.9	17.8 V	385

1997 MAR. 24

M.P.C. 29203

1995 UA ₇	1997 03 08.55970	09 03 54.08	+22 55 20.6		385	1997 AP ₂₁	1997 03 04.54359	08 23 52.04	+22 53 36.9	18.1 V	385
1995 UC ₈	1997 03 05.63766	09 46 51.56	+05 03 01.1	18.2 V	385	1997 AP ₂₁	1997 03 04.57735	08 23 51.45	+22 53 36.9		385
1995 UC ₈	1997 03 05.65791	09 46 50.72	+05 03 07.8		385	1997 BR ₆	1997 03 08.53623	09 22 15.01	+16 12 43.9	17.1 V	385
1995 VG ₂	1997 02 14.69174	11 45 04.82	+10 58 05.9	17.9 V	385	1997 BR ₆	1997 03 08.56892	09 22 13.68	+16 12 43.8		385
1995 VG ₂	1997 02 14.71719	11 45 03.66	+10 58 13.3		385	1997 BS ₆	1997 03 05.62771	09 34 05.93	+20 47 25.7	17.4 V	385
1995 VG ₂	1997 02 18.76845	11 41 54.79	+11 17 38.5	18.1 V	385	1997 BS ₆	1997 03 05.65333	09 34 04.87	+20 47 35.3		385
1995 VG ₂	1997 02 18.78324	11 41 53.94	+11 17 41.8		385	1997 BS ₆	1997 03 11.52741	09 30 52.03	+21 20 16.7	17.3 V	385
1995 VG ₂	1997 03 05.70429	11 27 47.56	+12 30 07.3	17.8 V	385	1997 BS ₆	1997 03 11.53620	09 30 51.77	+21 20 19.6		385
1995 VG ₂	1997 03 05.73024	11 27 45.91	+12 30 14.8		I 385	1997 BS ₆	1997 03 11.54046	09 30 51.64	+21 20 20.7		385
1995 VG ₂	1997 03 09.58322	11 23 45.05	+12 47 11.8	17.4 V	385	1997 CN ₅	1997 03 04.54883	08 23 45.78	+11 47 59.3	17.6 V	385
1995 VG ₂	1997 03 09.61258	11 23 43.17	+12 47 19.4		385	1997 CN ₅	1997 03 04.58188	08 23 44.96	+11 48 07.4		385
1995 WW ₃	1997 03 05.67409	10 58 25.04	-15 59 29.6	18.6 V	385	1997 CN ₅	1997 03 07.62983	08 22 42.80	+11 59 44.5	17.6 V	385
1995 WW ₃	1997 03 05.68962	10 58 24.20	-15 59 27.0		385	1997 CO ₁₉	1997 03 04.63285	09 36 11.66	+23 56 34.2	18.6 V	385
1995 WW ₃	1997 03 09.57762	10 54 56.76	-15 46 51.2	18.3 V	385	1997 CO ₁₉	1997 03 04.65660	09 36 10.63	+23 56 36.5		385
1995 WW ₃	1997 03 09.60322	10 54 55.30	-15 46 45.6		385	1997 CO ₁₉	1997 03 11.56299	09 31 46.37	+24 06 29.6	18.3 V	385
1995 WX ₃	1997 03 09.69802	13 12 50.33	-01 50 19.0	16.5 V	385	1997 CO ₁₉	1997 03 11.58213	09 31 45.72	+24 06 30.9		385
1995 WX ₃	1997 03 09.71361	13 12 49.68	-01 50 19.1		385	1997 CX ₂₁	1997 03 04.60728	08 50 20.64	+09 00 27.1		I 385
1995 WU ₄	1997 03 05.71582	11 41 58.48	-12 37 00.5	18.7 V	385	1997 CX ₂₁	1997 03 04.62139	08 50 20.29	+09 00 30.6		I 385
1995 WU ₄	1997 03 05.73976	11 41 57.31	-12 36 57.9		385	1997 CX ₂₁	1997 03 11.55177	08 48 41.29	+09 21 47.3	18.8 V	385
1995 WU ₄	1997 03 09.58888	11 38 35.51	-12 26 01.0	18.8 V	385	1997 CX ₂₁	1997 03 11.57275	08 48 40.99	+09 21 51.4		385
1995 WU ₄	1997 03 09.60787	11 38 34.43	-12 25 57.5		385	1997 CB ₂₆	1997 02 18.70998	10 06 44.85	+09 51 29.4	16.7 V	385
1995 WB ₆	1997 03 04.60178	08 39 26.08	+09 09 33.7	18.3 V	I 385	1997 CB ₂₆	1997 02 18.71294	10 06 44.61	+09 51 29.8		385
1995 WB ₆	1997 03 04.61672	08 39 25.60	+09 09 40.0		I 385	1997 CB ₂₆	1997 02 18.72006	10 06 44.18	+09 51 30.6		385
1995 WZ ₆	1997 02 14.70322	12 01 42.17	+16 50 04.7	18.0 V	385	1997 CB ₂₆	1997 03 03.66869	09 53 28.84	+10 24 17.7	17.1 V	385
1995 WZ ₆	1997 02 14.73212	12 01 41.26	+16 50 15.0		385	1997 CB ₂₆	1997 03 03.67902	09 53 28.24	+10 24 18.8		385
1995 WZ ₆	1997 02 18.79980	11 59 23.11	+17 14 46.6	18.0 V	385	1997 CB ₂₆	1997 03 05.64325	09 51 39.76	+10 28 37.1	17.1 V	385
1995 WZ ₆	1997 02 18.81090	11 59 22.63	+17 14 50.3		385	1997 CB ₂₆	1997 03 05.66302	09 51 38.64	+10 28 39.7		385
1995 WZ ₆	1997 03 05.72556	11 48 45.76	+18 39 32.7	17.6 V	385	1997 CC ₂₆	1997 03 04.53804	08 19 02.58	+24 04 39.8	18.8 V	385
1995 WZ ₆	1997 03 05.74439	11 48 44.86	+18 39 38.5		385	1997 CC ₂₆	1997 03 04.57279	08 19 02.02	+24 04 36.4		385
1995 WZ ₆	1997 03 09.59444	11 45 38.40	+18 58 24.0	17.5 V	385	1997 CC ₂₆	1997 03 08.49538	08 18 18.28	+23 58 12.9	18.8 V	385
1995 WZ ₆	1997 03 09.61762	11 45 37.21	+18 58 30.4		385	1997 CC ₂₆	1997 03 08.51340	08 18 17.91	+23 58 11.8		385
1995 WZ ₆	1997 03 11.60095	11 43 59.45	+19 07 25.2	17.5 V	385	1997 CC ₂₆	1997 03 08.55064	08 18 17.61	+23 58 08.2		385
1995 WZ ₆	1997 03 11.61954	11 43 58.51	+19 07 30.1		385	1997 CD ₂₆	1997 03 05.60259	09 28 29.41	+18 01 47.6	18.8 V	385
1995 WB ₇	1997 03 03.65422	09 12 08.17	+09 26 03.9	17.3 V	385	1997 CD ₂₆	1997 03 08.57345	09 26 43.99	+18 18 14.5	18.1 V	385
1995 WB ₇	1997 03 03.66340	09 12 07.75	+09 26 05.1		385	1997 EN ₂₅	* 1997 03 04.54359	08 24 01.97	+22 52 01.8	18.4 V	385
1995 WB ₇	1997 03 05.59148	09 10 45.10	+09 29 02.0	17.0 V	385	1997 EN ₂₅	1997 03 04.57735	08 24 01.32	+22 51 56.6		385
1995 WB ₇	1997 03 05.61177	09 10 44.24	+09 29 03.8		385	1997 EN ₂₅	1997 03 07.59965	08 23 23.75	+22 44 15.5	18.8 V	385
1995 YN ₄	1997 03 09.63480	12 29 12.62	-08 20 20.0	18.0 V	385	1997 EN ₂₅	1997 03 07.63457	08 23 23.41	+22 44 06.9		385
1995 YN ₄	1997 03 09.64905	12 29 11.99	-08 20 18.0		385	1997 EN ₂₅	1997 03 08.51924	08 23 16.74	+22 41 43.4	18.8 V	385
1997 AT ₁	1997 03 04.48786	06 49 20.93	+22 12 57.1	17.1 V	I 385	1997 EN ₂₅	1997 03 08.55506	08 23 16.53	+22 41 35.6		385
1997 AT ₁	1997 03 04.51256	06 49 21.14	+22 12 51.9		385	1997 EP ₂₅	* 1997 03 05.59694	09 18 13.09	+17 19 26.8	17.7 V	385
1997 AU ₃	1997 03 04.45676	04 09 14.83	+31 00 26.0	18.8 V	385	1997 EP ₂₅	1997 03 05.61774	09 18 12.16	+17 19 28.1		385
1997 AU ₃	1997 03 04.46682	04 09 15.54	+31 00 26.3		385	1997 EP ₂₅	1997 03 08.53046	09 16 23.29	+17 22 23.9	17.7 V	385
1997 AQ ₆	1997 03 04.44125	03 10 29.45	+24 17 07.7	18.6 V	385	1997 EP ₂₅	1997 03 08.56441	09 16 22.01	+17 22 25.6		385
1997 AQ ₆	1997 03 04.44550	03 10 29.88	+24 17 11.3		385	1997 EP ₂₅	1997 03 11.55726	09 14 47.63	+17 24 03.7	17.7 V	385
1997 AQ ₆	1997 03 04.45116	03 10 30.59	+24 17 16.5		385	1997 EP ₂₅	1997 03 11.57736	09 14 47.00	+17 24 03.5		385
1997 AR ₆	1997 03 04.46221	05 10 30.42	+19 58 01.2	18.8 V	385	1997 EQ ₂₅	* 1997 03 05.68492	11 08 13.64	+02 17 18.6	18.1 V	385
1997 AR ₆	1997 03 04.47137	05 10 31.16	+19 58 01.4		385	1997 EQ ₂₅	1997 03 05.69882	11 08 13.09	+02 17 24.1		385
1997 AC ₁₃	1997 03 04.49331	07 02 46.87	+21 29 01.4	18.0 V	385	1997 EQ ₂₅	1997 03 08.64169	11 06 16.95	+02 37 44.9	18.5 V	385
1997 AC ₁₃	1997 03 04.51692	07 02 47.40	+21 28 58.0		385	1997 EQ ₂₅	1997 03 08.65922	11 06 16.17	+02 37 51.7		385
1997 AM ₂₁	1997 03 07.58859	08 19 37.08	+25 41 19.4	17.8 V	385	1997 EQ ₂₅	1997 03 11.58965	11 04 20.92	+02 58 18.1	18.7 V	385
1997 AM ₂₁	1997 03 07.62528	08 19 36.61	+25 41 23.4		385	1997 EQ ₂₅	1997 03 11.60597	11 04 20.16	+02 58 24.1		385

1997 ER ₂₅	* 1997 03 05.70429	11 28 31.02	+12 28 02.8	18.8 V	385
1997 ER ₂₅	1997 03 05.73024	11 28 29.48	+12 28 09.9		385
1997 ER ₂₅	1997 03 08.64727	11 25 44.67	+12 41 22.6	18.8 V	385
1997 ER ₂₅	1997 03 08.66397	11 25 43.71	+12 41 27.5		385
1997 ER ₂₅	1997 03 11.59534	11 22 56.74	+12 53 51.9	18.8 V	385
1997 ER ₂₅	1997 03 11.61436	11 22 55.69	+12 53 57.6		385
1997 ES ₂₅	* 1997 03 09.59444	11 46 02.07	+19 00 42.4	18.5 V	385
1997 ES ₂₅	1997 03 09.61762	11 46 00.57	+19 00 42.9		385
1997 ES ₂₅	1997 03 11.60095	11 43 53.53	+19 01 56.7	18.5 V	385
1997 ES ₂₅	1997 03 11.61954	11 43 52.27	+19 01 57.4		385
1997 ET ₂₅	* 1997 03 09.66422	12 49 35.85	+00 35 30.6	18.8 V	r 385
1997 ET ₂₅	1997 03 09.67786	12 49 35.41	+00 35 36.0		r 385
1997 ET ₂₅	1997 03 11.63229	12 48 30.28	+00 50 12.0	18.5 V	385
1997 ET ₂₅	1997 03 11.64697	12 48 29.84	+00 50 19.2		385
(3509)	1997 03 05.71582	11 42 16.84	-12 31 46.1	16.8 V	385
(3509)	1997 03 05.73976	11 42 15.68	-12 31 37.5		385
(6637)	1997 03 03.69576	10 23 41.53	+01 17 33.7	17.2 V	385
(6637)	1997 03 03.70529	10 23 40.97	+01 17 37.0		385
(6801)	1997 03 11.63229	12 48 25.90	+00 52 41.1	17.2 V	385
(6801)	1997 03 11.64697	12 48 25.09	+00 52 45.6		385

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

1992 FZ	1997 03 01.52257	10 42 41.44	+12 23 25.2	16	399
1992 FZ	1997 03 01.53715	10 42 40.58	+12 23 26.8		399
1992 FZ	1997 03 03.46597	10 40 58.94	+12 26 59.2	16.2	399
1992 FZ	1997 03 03.48090	10 40 58.14	+12 27 00.8		399
1992 FZ	1997 03 08.52014	10 36 36.84	+12 35 01.2	16	399
1992 FZ	1997 03 08.53438	10 36 36.11	+12 35 02.9		399
1993 BM ₁₂	1997 03 01.61875	11 16 10.22	+03 19 02.1	16	399
1993 BM ₁₂	1997 03 01.63270	11 16 09.62	+03 19 06.2		399
1993 BM ₁₂	1997 03 03.57014	11 14 23.96	+03 27 46.7	16	399
1993 BM ₁₂	1997 03 03.58438	11 14 23.09	+03 27 51.8		399
1993 BM ₁₂	1997 03 08.62674	11 09 41.79	+03 51 20.7	16	399
1993 BM ₁₂	1997 03 08.64097	11 09 40.93	+03 51 24.3		399
1995 US ₈	1997 03 03.50001	10 47 40.25	+28 53 18.5	16.8	399
1995 US ₈	1997 03 03.51424	10 47 39.25	+28 53 22.6		399
1995 US ₈	1997 03 08.55382	10 42 26.55	+29 13 46.0	16.9	399
1995 US ₈	1997 03 08.56806	10 42 25.53	+29 13 47.7		399
1995 UZ ₈	1997 03 03.63611	10 52 17.11	+15 17 07.7	16.8	399
1995 UZ ₈	1997 03 03.65035	10 52 16.22	+15 17 10.0		399
1995 WU ₂	1997 03 03.63611	10 54 55.96	+16 18 14.1	16.8	399
1995 WU ₂	1997 03 03.65035	10 54 55.17	+16 18 18.0		399
1995 WU ₂	1997 03 08.69479	10 50 43.17	+16 35 21.8	17	399
1995 WU ₂	1997 03 08.70990	10 50 42.37	+16 35 24.8		399
1997 CB ₂₂	1997 03 01.61875	11 12 39.82	+05 51 44.2	16.8	399
1997 CB ₂₂	1997 03 01.63270	11 12 38.95	+05 51 45.0		399
1997 CB ₂₂	1997 03 03.57014	11 10 55.94	+05 58 04.0	16.8	399

1997 CB ₂₂	1997 03 03.58438	11 10 55.08	+05 58 04.9		399
1997 CB ₂₂	1997 03 08.62674	11 06 22.42	+06 14 29.9	16.8	399
1997 CB ₂₂	1997 03 08.64097	11 06 21.62	+06 14 32.2		399
1997 CM ₂₉	* 1997 02 02.66700	09 31 57.53	+23 51 06.8	17	399
1997 CM ₂₉	1997 02 02.68124	09 31 56.90	+23 51 12.8		399
1997 CM ₂₉	1997 02 10.66181	09 25 25.82	+24 46 33.1	16.8	399
1997 CM ₂₉	1997 02 10.67604	09 25 25.09	+24 46 38.9		399
1997 EP ₁₇	* 1997 03 01.56296	10 45 22.34	+01 27 29.2	15.5	399
1997 EP ₁₇	1997 03 01.57714	10 45 21.45	+01 27 36.1		399
1997 EP ₁₇	1997 03 03.53715	10 43 35.90	+01 44 02.5	15.8	399
1997 EP ₁₇	1997 03 03.55139	10 43 35.12	+01 44 10.5		399
1997 EP ₁₇	1997 03 08.59201	10 39 07.22	+02 27 45.4	16	399
1997 EP ₁₇	1997 03 08.60625	10 39 06.34	+02 27 51.3		399
1997 EQ ₁₇	* 1997 03 01.61875	11 18 34.00	+04 53 50.6	16.7	399
1997 EQ ₁₇	1997 03 01.63270	11 18 33.38	+04 54 01.0		399
1997 EQ ₁₇	1997 03 03.57014	11 17 20.64	+05 20 33.3	16.7	399
1997 EQ ₁₇	1997 03 03.58438	11 17 19.97	+05 20 43.1		399
1997 EQ ₁₇	1997 03 08.62674	11 14 05.60	+06 30 12.6	16.6	399
1997 EQ ₁₇	1997 03 08.64097	11 14 05.01	+06 30 25.5		399
1997 EW ₁₇	* 1997 03 03.60150	11 10 53.45	+07 44 35.1	16.8	399
1997 EW ₁₇	1997 03 03.61563	11 10 52.49	+07 44 35.2		399
1997 EW ₁₇	1997 03 08.66042	11 05 22.06	+07 51 55.2	17	399
1997 EW ₁₇	1997 03 08.67483	11 05 21.26	+07 51 56.4		399
3560 P-L	1997 03 03.60150	11 11 43.51	+09 00 12.5	16.8	399
3560 P-L	1997 03 03.61563	11 11 42.63	+09 00 13.8		399
3560 P-L	1997 03 08.66042	11 07 24.82	+09 09 10.2	17	399
3560 P-L	1997 03 08.67483	11 07 23.98	+09 09 12.0		399

400 Kitami

K. Endate, 3-17, Hinode 1 Chome, Mihoro Cho, Abashiri-Gun, Hokkaido, 092
Japan

Observer K. Endate

0.25-m $f/3.4$ hyperboloid astrocamera + CCD
GSC

1997 CD ₂₂	1997 03 03.61154	11 14 35.92	+09 02 50.2	17.1 V	400
1997 CD ₂₂	1997 03 03.64973	11 14 33.98	+09 03 09.4		400
1997 CD ₂₂	1997 03 04.57041	11 13 46.27	+09 10 03.8	17.3 V	400
1997 CD ₂₂	1997 03 04.60744	11 13 44.21	+09 10 20.1		400
1997 DT	* 1997 02 27.48322	11 02 27.25	+09 52 48.2	17.1 V	400
1997 DT	1997 02 27.52691	11 02 24.71	+09 53 05.5		400
1997 DT	1997 03 03.50412	10 58 42.39	+10 24 45.0	17.4 V	400
1997 DT	1997 03 03.55096	10 58 39.68	+10 25 05.5		400
1997 DU	* 1997 02 27.48975	11 03 07.39	+08 27 48.3	17.5 V	400
1997 DU	1997 02 27.53332	11 03 05.18	+08 28 12.9		400
1997 DU	1997 03 03.50671	10 59 39.13	+09 07 32.0	17.0 V	400
1997 DU	1997 03 03.55360	10 59 36.57	+09 07 58.9		400
1997 ER ₁₇	* 1997 03 03.51435	10 49 27.60	+03 53 21.9	17.7 V	400
1997 ER ₁₇	1997 03 03.56126	10 49 24.73	+03 53 37.3		400
1997 ER ₁₇	1997 03 04.55069	10 48 26.07	+03 58 41.5	17.9 V	400
1997 ER ₁₇	1997 03 04.58523	10 48 23.92	+03 58 50.2		400
1997 ES ₁₇	* 1997 03 03.52197	10 51 06.42	+02 27 48.7	18.3 V	400
1997 ES ₁₇	1997 03 03.57139	10 51 03.46	+02 28 01.8		400
1997 ES ₁₇	1997 03 04.55281	10 50 06.41	+02 32 56.6	18.2 V	400

1997 MAR. 24

M.P.C. 29205

1997 ES ₁₇	1997 03 04.58977	10 50 04.05	+02 33 09.1		400
1997 ET ₁₇	* 1997 03 03.53314	10 55 05.45	+04 26 49.1	17.2 V	400
1997 ET ₁₇	1997 03 03.58150	10 55 02.27	+04 27 08.2		400
1997 ET ₁₇	1997 03 04.55486	10 54 01.75	+04 33 28.8	17.5 V	400
1997 ET ₁₇	1997 03 04.59191	10 53 59.35	+04 33 42.3		400
1997 EU ₁₇	* 1997 03 03.53819	10 54 22.42	+03 34 10.0	17.4 V	400
1997 EU ₁₇	1997 03 03.58660	10 54 19.80	+03 34 16.4		400
1997 EU ₁₇	1997 03 04.55693	10 53 31.72	+03 36 00.0	17.5 V	400
1997 EU ₁₇	1997 03 04.59395	10 53 29.85	+03 36 04.2		400
1997 EV ₁₇	* 1997 03 03.54843	10 54 24.82	+01 28 53.0	18.1 V	400
1997 EV ₁₇	1997 03 03.59669	10 54 21.73	+01 29 02.2		400
1997 EV ₁₇	1997 03 04.55895	10 53 21.52	+01 31 48.9	17.7 V	400
1997 EV ₁₇	1997 03 04.59602	10 53 19.10	+01 31 53.4		400
1997 EX ₁₇	* 1997 03 03.61360	11 14 19.47	+08 39 02.4	17.1 V	400
1997 EX ₁₇	1997 03 03.65183	11 14 17.25	+08 39 15.6		400
1997 EX ₁₇	1997 03 04.57485	11 13 26.51	+08 44 07.3	17.1 V	400
1997 EX ₁₇	1997 03 04.61319	11 13 24.35	+08 44 20.5		400
1997 EY ₁₇	* 1997 03 03.63487	11 18 44.73	+07 51 06.4	17.4 V	400
1997 EY ₁₇	1997 03 03.67272	11 18 42.63	+07 51 15.5		400
1997 EY ₁₇	1997 03 04.54689	11 17 57.27	+07 55 05.6	17.6 V	400
1997 EY ₁₇	1997 03 04.58315	11 17 55.25	+07 55 15.6		400
1997 EZ ₁₇	* 1997 03 03.63693	11 19 14.77	+07 32 59.5	18.0 V	400
1997 EZ ₁₇	1997 03 03.67480	11 19 12.60	+07 33 13.4		400
1997 EZ ₁₇	1997 03 04.57691	11 18 22.99	+07 39 41.9	18.0 V	400
1997 EZ ₁₇	1997 03 04.61528	11 18 20.73	+07 40 00.5		400
1997 EA ₁₈	* 1997 03 03.64326	11 19 02.03	+06 02 04.8	17.9 V	400
1997 EA ₁₈	1997 03 03.68102	11 19 00.33	+06 02 16.8		400
1997 EA ₁₈	1997 03 04.57899	11 18 18.85	+06 06 16.0	17.8 V	400
1997 EA ₁₈	1997 03 04.61736	11 18 17.01	+06 06 25.7		400
(6114)	1997 03 03.50927	10 49 55.88	+05 00 18.1	17.4 V	400
(6114)	1997 03 03.55612	10 49 52.97	+05 00 37.2		400
(6114)	1997 03 04.54481	10 48 52.96	+05 07 07.1	17.1 V	400
(6114)	1997 03 04.58111	10 48 50.64	+05 07 21.5		400

402 Dynic Astronomical Observatory

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Observers A. Sugie, Y. Ikari
0.60-m $f/5.0$ reflector + CCD
GSC

1995 TG	1997 03 04.58750	07 30 07.18	+35 31 23.9	18.2 V	402
1995 TG	1997 03 04.59028	07 30 07.20	+35 31 23.9		402
1995 TG	1997 03 04.59306	07 30 07.17	+35 31 23.6		402
1995 TG	1997 03 05.57743	07 29 59.35	+35 29 06.1	18.1 V	402
1995 TG	1997 03 05.59826	07 29 59.18	+35 29 03.2		402
1995 TG	1997 03 05.60208	07 29 59.15	+35 29 02.9		402
1995 TG	1997 03 11.51215	07 29 44.52	+35 13 52.9	17.9 V	402
1995 TG	1997 03 11.52049	07 29 44.54	+35 13 51.4		402
1995 TG	1997 03 11.52500	07 29 44.55	+35 13 50.7		402
1997 AR ₁₆	1997 03 08.64722	11 53 24.07	+04 08 51.5	16.1 V	402
1997 AR ₁₆	1997 03 08.64942	11 53 23.93	+04 08 51.4		402
1997 AR ₁₆	1997 03 08.65174	11 53 23.78	+04 08 51.1		402
1997 AR ₁₆	1997 03 11.63403	11 50 16.23	+04 03 41.8	15.7 V	402

1997 AR ₁₆	1997 03 11.63611	11 50 16.10	+04 03 41.7		402
1997 AR ₁₆	1997 03 11.63819	11 50 15.96	+04 03 41.4		402
1997 CO ₅	1997 02 27.53611	08 45 35.41	+11 15 54.4	18.2 V	402
1997 CO ₅	1997 02 27.53854	08 45 35.29	+11 15 51.7		402
1997 CO ₅	1997 02 27.54097	08 45 35.20	+11 15 49.2		402
1997 CO ₅	1997 03 04.57778	08 43 24.79	+09 59 05.7	18.4 V	402
1997 CO ₅	1997 03 04.58090	08 43 24.71	+09 59 03.1		402
1997 CO ₅	1997 03 04.58299	08 43 24.67	+09 59 01.3		402
1997 CO ₅	1997 03 08.59722	08 42 33.51	+09 04 08.0	19.1 V	402
1997 CO ₅	1997 03 08.60174	08 42 33.42	+09 04 04.5		402
1997 CO ₅	1997 03 08.60556	08 42 33.40	+09 04 01.7		402
1997 CZ ₅	1997 02 27.48414	05 17 51.31	+11 44 20.9	16.0 V	402
1997 CZ ₅	1997 02 27.48715	05 17 51.64	+11 44 18.3		402
1997 CZ ₅	1997 02 27.48912	05 17 52.03	+11 44 15.2		402
1997 CZ ₅	1997 03 04.51597	05 30 14.05	+10 12 49.6	15.6 V	402
1997 CZ ₅	1997 03 04.51840	05 30 14.38	+10 12 47.0		402
1997 CZ ₅	1997 03 04.52083	05 30 14.75	+10 12 44.5		402
1997 CZ ₅	1997 03 11.50139	05 47 19.51	+08 19 57.6	16.0 V	402
1997 CZ ₅	1997 03 11.50417	05 47 19.92	+08 19 55.0		402
1997 CZ ₅	1997 03 11.50694	05 47 20.31	+08 19 52.5		402
1997 CU ₂₆	1997 02 27.51944	08 28 03.67	+15 39 05.5	17.6 V	402
1997 CU ₂₆	1997 02 27.52500	08 28 03.60	+15 39 06.0		402
1997 CU ₂₆	1997 02 27.52882	08 28 03.56	+15 39 05.8		402
1997 CU ₂₆	1997 03 01.54583	08 27 41.42	+15 39 40.1	17.7 V	402
1997 CU ₂₆	1997 03 01.54861	08 27 41.37	+15 39 40.7		402
1997 CU ₂₆	1997 03 01.55486	08 27 41.28	+15 39 40.2		402
1997 CU ₂₆	1997 03 04.56736	08 27 09.78	+15 40 28.3	17.8 V	402
1997 CU ₂₆	1997 03 04.57014	08 27 09.74	+15 40 28.4		402
1997 CU ₂₆	1997 03 04.57222	08 27 09.72	+15 40 28.3		402
1997 CU ₂₆	1997 03 05.64167	08 26 58.89	+15 40 43.5		402
1997 CU ₂₆	1997 03 05.64514	08 26 58.96	+15 40 45.1	17.2 V	402
1997 CU ₂₆	1997 03 05.65278	08 26 58.88	+15 40 44.0		402
1997 CU ₂₆	1997 03 08.58438	08 26 30.80	+15 41 23.9	17.8 V	402
1997 CU ₂₆	1997 03 08.58819	08 26 30.77	+15 41 24.2		402
1997 CU ₂₆	1997 03 08.59236	08 26 30.70	+15 41 24.1		402
1997 CU ₂₆	1997 03 11.54826	08 26 04.48	+15 41 59.4	18.1 V	402
1997 CU ₂₆	1997 03 11.56146	08 26 04.35	+15 41 59.6		402
1997 CU ₂₆	1997 03 11.56736	08 26 04.32	+15 41 59.5		402
1997 DF	1997 03 05.60764	08 43 23.54	+22 15 42.0	18.9 V	402
1997 DF	1997 03 05.61007	08 43 23.59	+22 15 44.3		402
1997 DF	1997 03 05.61250	08 43 23.56	+22 15 48.2		402
1997 DF	1997 03 05.61529	08 43 23.41	+22 15 51.7		402
1997 DF	1997 03 08.62014	08 43 32.87	+23 20 14.1	19.1 V	402
1997 DF	1997 03 08.62431	08 43 32.92	+23 20 17.0		402
1997 DF	1997 03 11.53403	08 44 08.35	+24 16 07.0	19.7 V	402
1997 DF	1997 03 11.53993	08 44 08.44	+24 16 14.5		402
1997 DF	1997 03 11.54375	08 44 08.47	+24 16 17.5		402

411 Oizumi

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0.25-m $f/4.4$ reflector + CCD, 0.41-m $f/4.3$ reflector + CCD
GSC

1997 EA	* 1997 03 01.56517	11 23 34.15	+09 02 11.8	17.5	411	1997 EO ₂	* 1997 03 04.59893	12 05 10.35	+06 09 24.5	17	411
1997 EA	1997 03 01.57866	11 23 33.55	+09 02 19.1		411	1997 EO ₂	1997 03 04.61250	12 05 09.53	+06 09 28.9		411
1997 EA	1997 03 02.54740	11 22 53.22	+09 11 52.9		411	1997 EO ₂	1997 03 05.60601	12 04 13.73	+06 14 03.3		411
1997 EA	1997 03 02.55280	11 22 52.99	+09 11 55.3		411	1997 EO ₂	1997 03 05.61687	12 04 13.05	+06 14 07.0		411
1997 EB	* 1997 03 01.59432	11 24 06.67	+09 14 59.2	16	411	1997 EP ₂	* 1997 03 04.60891	12 29 37.79	+03 44 46.8	17.5	411
1997 EB	1997 03 01.60780	11 24 05.95	+09 15 05.2		411	1997 EP ₂	1997 03 04.62787	12 29 37.13	+03 44 54.1		411
1997 EB	1997 03 02.54740	11 23 17.43	+09 21 55.9		411	1997 EP ₂	1997 03 05.63142	12 29 03.93	+03 51 16.5		411
1997 EB	1997 03 02.55280	11 23 17.11	+09 21 58.3		411	1997 EP ₂	1997 03 05.64767	12 29 03.42	+03 51 22.7		411
1997 EC	* 1997 03 01.59654	11 25 12.98	+09 56 26.1	17.5	411	1997 EQ ₂	* 1997 03 04.61365	12 29 30.87	+04 50 42.3	17.5	411
1997 EC	1997 03 01.61003	11 25 12.27	+09 56 31.3		411	1997 EQ ₂	1997 03 04.63262	12 29 30.01	+04 50 53.0		411
1997 EC	1997 03 02.60089	11 24 17.54	+10 05 03.9		411	1997 EQ ₂	1997 03 05.62961	12 28 45.33	+04 58 53.4		411
1997 EC	1997 03 02.60769	11 24 17.24	+10 05 06.7		411	1997 EQ ₂	1997 03 05.67262	12 28 43.37	+04 59 13.0		411
1997 ED	* 1997 03 01.59654	11 25 27.89	+09 37 41.8	17	411	1997 ER ₂	* 1997 03 04.63046	12 06 43.19	+06 46 11.5	17	411
1997 ED	1997 03 01.61003	11 25 27.13	+09 37 44.5		411	1997 ER ₂	1997 03 04.64403	12 06 42.38	+06 46 17.9		411
1997 ED	1997 03 02.55887	11 24 36.06	+09 42 39.7		411	1997 ER ₂	1997 03 05.60782	12 05 51.47	+06 51 43.8		411
1997 ED	1997 03 02.56911	11 24 35.47	+09 42 42.8		411	1997 ER ₂	1997 03 05.61867	12 05 50.84	+06 51 47.4		411
1997 EE	* 1997 03 01.59877	11 25 40.51	+10 39 17.5	17	411	1997 ES ₂	* 1997 03 04.63737	12 31 19.42	+01 14 44.9	17.5	411
1997 EE	1997 03 01.61226	11 25 39.66	+10 39 20.2		411	1997 ES ₂	1997 03 04.65634	12 31 18.60	+01 14 50.4		411
1997 EE	1997 03 02.56033	11 24 42.56	+10 44 24.0		411	1997 ES ₂	1997 03 05.63864	12 30 38.17	+01 20 58.5		411
1997 EE	1997 03 02.57057	11 24 42.00	+10 44 27.2		411	1997 ES ₂	1997 03 05.65490	12 30 37.55	+01 21 05.3		411
1997 EF	* 1997 03 01.65706	11 31 57.32	+10 50 09.5	16.5	411	1997 ET ₂	* 1997 03 04.63895	12 30 52.49	+01 32 32.3	18	411
1997 EF	1997 03 01.67056	11 31 56.52	+10 50 14.7		411	1997 ET ₂	1997 03 04.65791	12 30 51.86	+01 32 45.5		411
1997 EF	1997 03 02.56179	11 31 11.16	+10 55 46.6		411	1997 ET ₂	1997 03 05.63503	12 30 24.41	+01 44 37.2		411
1997 EF	1997 03 02.57203	11 31 10.64	+10 55 49.9		411	1997 ET ₂	1997 03 05.65128	12 30 23.91	+01 44 50.4		411
1997 EG	* 1997 03 01.67953	11 32 34.03	+08 29 05.3	17	411	1997 EU ₂	* 1997 03 04.64210	12 31 35.57	+02 19 12.0	17	411
1997 EG	1997 03 01.69302	11 32 33.16	+08 29 06.8		411	1997 EU ₂	1997 03 04.66107	12 31 34.80	+02 19 19.2		411
1997 EG	1997 03 02.56325	11 31 38.64	+08 31 08.9		411	1997 EU ₂	1997 03 05.64045	12 30 55.67	+02 25 16.4		411
1997 EG	1997 03 02.57349	11 31 37.89	+08 31 10.5		411	1997 EU ₂	1997 03 05.65670	12 30 55.03	+02 25 22.9		411
1997 EH	* 1997 03 01.68399	11 34 35.97	+09 48 26.4	17	411	1997 EV ₂	* 1997 03 04.64369	12 31 01.43	+03 02 29.0	18	411
1997 EH	1997 03 01.69748	11 34 35.19	+09 48 32.8		411	1997 EV ₂	1997 03 04.66266	12 31 00.93	+03 02 42.8		411
1997 EH	1997 03 02.56474	11 33 50.86	+09 53 58.6		411	1997 EV ₂	1997 03 05.65308	12 30 33.60	+03 14 40.1		411
1997 EH	1997 03 02.57498	11 33 50.24	+09 54 02.5		411	1997 EV ₂	1997 03 05.66773	12 30 33.13	+03 14 50.4		411
1997 EJ	* 1997 03 01.70867	11 35 58.98	+08 29 15.5	16.5	411	1997 EW ₂	* 1997 03 04.65975	12 09 16.75	+06 33 15.4	16.5	411
1997 EJ	1997 03 01.72216	11 35 58.27	+08 29 17.9		411	1997 EW ₂	1997 03 04.67332	12 09 16.20	+06 33 21.0		411
1997 EJ	1997 03 02.57866	11 35 15.37	+08 31 30.9		411	1997 EW ₂	1997 03 05.60962	12 08 36.51	+06 39 22.9		411
1997 EJ	1997 03 02.58270	11 35 15.10	+08 31 31.2		411	1997 EW ₂	1997 03 05.62048	12 08 36.03	+06 39 27.0		411
1997 EK	* 1997 03 01.71759	11 35 52.24	+11 21 47.5	16.5	411	1997 EX ₂	* 1997 03 04.67689	12 32 31.11	+01 46 21.5	18.5	411
1997 EK	1997 03 01.73109	11 35 51.44	+11 21 49.2		411	1997 EX ₂	1997 03 04.69586	12 32 30.30	+01 46 29.5		411
1997 EK	1997 03 02.58421	11 35 04.57	+11 23 14.2		411	1997 EX ₂	1997 03 05.64225	12 31 54.50	+01 53 19.0		411
1997 EK	1997 03 02.58958	11 35 04.26	+11 23 14.2		411	1997 EX ₂	1997 03 05.67924	12 31 52.97	+01 53 35.6		411
1997 EL	* 1997 03 01.73560	11 39 54.99	+08 07 22.4	17	411	1997 EY ₂	* 1997 03 04.68009	12 11 47.84	+04 04 47.1	17.5	411
1997 EL	1997 03 01.74910	11 39 54.34	+08 07 27.9		411	1997 EY ₂	1997 03 04.69364	12 11 47.11	+04 04 52.3		411
1997 EL	1997 03 02.59209	11 39 20.37	+08 13 35.6		411	1997 EY ₂	1997 03 05.61143	12 11 03.75	+04 11 46.5		411
1997 EL	1997 03 02.59746	11 39 20.13	+08 13 37.9		411	1997 EY ₂	1997 03 05.62229	12 11 03.23	+04 11 50.7		411
1997 EM	1997 03 01.59654	11 24 48.26	+10 06 46.0		411	1997 EZ ₂	* 1997 03 04.68637	12 32 57.64	+03 54 55.8	17.5	411
1997 EM	1997 03 01.61003	11 24 47.56	+10 06 51.8		411	1997 EZ ₂	1997 03 04.70535	12 32 56.72	+03 54 59.7		411
1997 EM	* 1997 03 02.60089	11 23 58.17	+10 12 26.4	18	411	1997 EZ ₂	1997 03 05.64406	12 32 13.69	+03 58 12.7		411
1997 EM	1997 03 02.60769	11 23 57.81	+10 12 29.6		411	1997 EZ ₂	1997 03 05.66031	12 32 12.93	+03 58 16.6		411
1997 EN ₂	* 1997 03 04.59784	12 30 21.78	+00 49 40.4	17	411	1997 EA ₃	* 1997 03 04.72058	12 14 23.57	+07 37 18.7	17	411
1997 EN ₂	1997 03 04.61682	12 30 21.12	+00 49 49.1		411	1997 EA ₃	1997 03 04.73413	12 14 22.93	+07 37 25.5		411
1997 EN ₂	1997 03 05.63322	12 29 50.12	+00 57 47.2		411	1997 EA ₃	1997 03 05.61325	12 13 41.31	+07 44 34.6		411
1997 EN ₂	1997 03 05.64947	12 29 49.65	+00 57 53.8		411	1997 EA ₃	1997 03 05.62410	12 13 40.78	+07 44 40.2		411

1997 EB ₆	1997 03 01.59654	11 26 10.00	+10 13 40.1		411
1997 EB ₆	1997 03 01.61003	11 26 09.16	+10 13 44.2		411
1997 EB ₆	* 1997 03 07.55166	11 20 18.73	+10 47 23.1	17.5	411
1997 EB ₆	1997 03 07.59599	11 20 16.05	+10 47 39.4		411
1997 EB ₆	1997 03 08.49514	11 19 21.71	+10 52 32.2		411
1997 EB ₆	1997 03 08.50531	11 19 21.15	+10 52 35.3		411
1997 EC ₆	* 1997 03 07.56194	11 31 27.39	+08 46 34.0		411
1997 EC ₆	1997 03 07.57071	11 31 26.82	+08 46 36.4	17.5	411
1997 EC ₆	1997 03 08.51165	11 30 34.07	+08 51 24.2		411
1997 EC ₆	1997 03 08.52182	11 30 33.45	+08 51 26.9		411
1997 ED ₆	* 1997 03 07.59091	11 19 45.21	+10 47 54.1	18	411
1997 ED ₆	1997 03 07.60108	11 19 44.49	+10 47 55.7		411
1997 ED ₆	1997 03 08.49514	11 18 51.06	+10 50 07.8		411
1997 ED ₆	1997 03 08.50531	11 18 50.45	+10 50 08.8		411

413 Siding Spring

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[classe@laban.uu.se]

Observer K. S. Russell
Measurer O. Hernius
1.2-m U.K. Schmidt

1993 FE ₅₉	1993 04 17.43889	11 51 09.07	-00 34 16.6	18.9	413
1995 WB ₆	1993 04 17.43889	11 50 47.12	+00 29 29.2	17.9	413
1996 YU ₂	1993 04 17.43889	11 52 32.43	+00 25 49.7	18.6	413

423 North Ryde

S. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia
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0.2-m $f/4$ hyperbolic astrograph + CCD
GSC

1994 RX ₁	1997 03 12.51635	11 12 11.22	+03 07 59.2		423
1994 RX ₁	1997 03 12.53455	11 12 10.22	+03 08 18.8		423
1994 RX ₁	1997 03 12.55836	11 12 09.05	+03 08 42.9		423

473 Remanzacco

G. Sostero, via S.Stefano 31, I-33047 Remanzacco (UD), Italy
[sostero@elettra.trieste.it]

Observer G. Sostero
Measurer F. Verlezza
0.45-m $f/4.5$ reflector + CCD
GSC

1997 BR	1997 03 01.96065	09 13 36.45	+55 24 50.9	17.5 V	473
1997 BR	1997 03 01.96609	09 13 35.53	+55 25 03.2		473
1997 BR	1997 03 01.98255	09 13 32.79	+55 25 39.7		473
1997 BR	1997 03 01.98576	09 13 32.31	+55 25 46.0		473
1997 BR	1997 03 02.03333	09 13 24.70	+55 27 32.2		473
1997 BR	1997 03 02.03633	09 13 24.11	+55 27 38.0		473

476 Grange Observatory

P. Pognant, Via Massimo d'Azeglio 34, I-10053 Bussoleno (TO), Italy
[mc2213@mcmlink.it]

0.30-m $f/4.0$ reflector + CCD
GSC

(2204)	1997 03 02.86076	06 53 49.14	+05 50 12.2		476
(2204)	1997 03 02.86910	06 53 49.79	+05 50 23.7		476
(2204)	1997 03 02.87674	06 53 50.42	+05 50 35.7		476

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 UN ₃	1997 03 06.87825	09 38 31.40	+13 57 45.3		494
1989 UN ₃	1997 03 06.88596	09 38 31.13	+13 57 46.9		494
1989 UN ₃	1997 03 12.88113	09 35 05.96	+14 17 34.7		494
1989 UN ₃	1997 03 12.92689	09 35 04.47	+14 17 43.5		494
1995 YP ₂	1997 03 12.94251	10 42 23.28	+24 29 58.4		494
1995 YP ₂	1997 03 12.95138	10 42 22.85	+24 29 59.9		494

540 Linz

E. Meyer, F. Marklstrasse 1/62, A-4040 Linz, Austria [k3032e0@c210.edvz.uni-linz.ac.at]

Observers E. Meyer, E. Obermair
0.30-m $f/5.2$ Schmidt Cassegrain + CCD
GSC

1991 CS	1997 02 23.09464	12 47 37.51	+09 15 24.2	15.7 R	540
1991 CS	1997 02 23.10020	12 47 37.34	+09 16 20.7		540
1991 CS	1997 02 23.10575	12 47 37.21	+09 17 16.8		540
1991 CS	1997 02 23.11137	12 47 36.96	+09 18 14.2		540
1991 CS	1997 03 02.01718	12 43 07.34	+27 54 18.5	15.5 R	540
1991 CS	1997 03 02.01844	12 43 07.26	+27 54 29.7		540
1991 CS	1997 03 02.01964	12 43 07.17	+27 54 40.4		540
1992 UH ₁	1997 03 08.99468	11 33 40.65	+04 00 47.9	17.6 R	540
1992 UH ₁	1997 03 09.00382	11 33 40.03	+04 00 51.0		540
1992 UH ₁	1997 03 09.01713	11 33 39.20	+04 00 54.5		540
1992 UH ₁	1997 03 09.03056	11 33 38.28	+04 00 58.6		540
1992 UH ₁	1997 03 09.89149	11 32 43.54	+04 05 13.0	17.4 R	540
1992 UH ₁	1997 03 09.89861	11 32 43.06	+04 05 15.1		540
1992 UH ₁	1997 03 09.91094	11 32 42.24	+04 05 19.0		540
1992 UH ₁	1997 03 09.91748	11 32 41.85	+04 05 20.9		540
1992 UH ₁	1997 03 10.89635	11 31 39.30	+04 10 09.2	17.2 R	540
1992 UH ₁	1997 03 10.90278	11 31 38.89	+04 10 11.0		540
1996 AU ₁	1997 03 07.97277	13 49 41.12	-08 20 42.1	17.9 R	540
1996 AU ₁	1997 03 08.01793	13 49 40.42	-08 20 35.0		540
1997 CZ ₅	1997 02 19.74954	04 58 40.77	+14 25 04.9	15.6 R	540
1997 CZ ₅	1997 02 19.75358	04 58 41.35	+14 24 59.4		540
1997 CZ ₅	1997 02 19.75725	04 58 41.91	+14 24 54.5		540
1997 CZ ₅	1997 02 19.76304	04 58 42.76	+14 24 46.5		540
1997 CZ ₅	1997 02 23.74852	05 08 37.17	+12 58 41.8	15.5 R	540
1997 CZ ₅	1997 02 23.75257	05 08 37.78	+12 58 36.6		540
1997 CZ ₅	1997 02 23.76736	05 08 39.94	+12 58 18.2		540
1997 CX ₁₃	1997 02 09.90113	09 53 15.03	+16 45 51.8	18.8 R F	540
1997 CX ₁₃	1997 02 09.90773	09 53 14.70	+16 45 54.4		540
1997 CX ₁₃	1997 02 09.91421	09 53 14.47	+16 45 55.8		540
1997 CX ₁₃	1997 02 09.93803	09 53 13.25	+16 46 08.2		540
1997 CX ₁₃	1997 02 10.86756	09 52 19.97	+16 53 07.5	19.4 R V	540

1997 CX ₁₃	1997 02 10.87399	09 52 19.72	+16 53 09.7		V 540
1997 CX ₁₃	1997 02 10.88062	09 52 18.93	+16 53 12.2		V 540
1997 CX ₁₃	1997 02 10.89574	09 52 17.96	+16 53 22.3		V 540
1997 EO	* 1997 03 01.91493	11 28 51.20	+03 23 10.2	18.4 R	540
1997 EO	1997 03 01.94965	11 28 49.47	+03 23 29.1		540
1997 EO	1997 03 01.97413	11 28 48.30	+03 23 42.1		I 540
1997 EO	1997 03 02.91563	11 28 03.37	+03 32 27.5	18.0 R	540
1997 EO	1997 03 02.92205	11 28 03.06	+03 32 31.5		540
1997 EO	1997 03 02.92847	11 28 02.71	+03 32 35.5		540
1997 EO	1997 03 02.94323	11 28 02.09	+03 32 43.0		540
1997 EO	1997 03 07.92008	11 23 56.99	+04 19 50.3	18.3 R	540
1997 EO	1997 03 07.92674	11 23 56.66	+04 19 54.3		540
1997 EO	1997 03 07.98738	11 23 53.50	+04 20 29.2		540
1997 EO	1997 03 08.91398	11 23 07.06	+04 29 20.2	18.3 R	540
1997 EO	1997 03 08.96701	11 23 04.35	+04 29 50.8		540
1997 EO	1997 03 09.94317	11 22 15.32	+04 39 10.4		540
1997 EO	1997 03 09.95145	11 22 14.89	+04 39 14.7	18.4 R	540
1997 EW ₇	1997 03 08.91398	11 22 17.36	+04 30 01.2	18.1 R	540
1997 EW ₇	1997 03 08.96701	11 22 15.02	+04 30 15.3		540
1997 EW ₇	1997 03 09.93663	11 21 32.32	+04 34 33.5	18.3 R	540
1997 EW ₇	1997 03 09.94317	11 21 31.99	+04 34 35.0		540
1997 EW ₇	1997 03 09.95145	11 21 31.64	+04 34 37.2		540
1997 EW ₇	1997 03 11.91690	11 20 04.96	+04 43 17.6	18.0 R	540
1997 EW ₇	1997 03 11.92373	11 20 04.68	+04 43 19.4		540
1997 EX ₇	1997 03 07.92008	11 23 37.25	+04 21 33.9	18.1 R	540
1997 EX ₇	1997 03 07.92674	11 23 36.87	+04 21 35.7		540
1997 EX ₇	1997 03 07.98738	11 23 33.37	+04 21 52.5		540
1997 EX ₇	1997 03 08.91398	11 22 41.50	+04 26 02.2	18.2 R	I 540
1997 EX ₇	1997 03 08.96701	11 22 38.48	+04 26 16.7		540
1997 EX ₇	1997 03 09.93663	11 21 44.12	+04 30 37.1	18.1 R	540
1997 EX ₇	1997 03 09.94317	11 21 43.66	+04 30 40.4		540
1997 EX ₇	1997 03 09.95145	11 21 43.24	+04 30 41.6		540
1997 EX ₇	1997 03 11.91690	11 19 53.13	+04 39 27.9	18.3 R	540
1997 EX ₇	1997 03 11.92373	11 19 52.78	+04 39 30.0		540
1997 EJ ₁₁	* 1997 03 07.94931	11 34 03.20	+03 52 27.7	18.1 R	540
1997 EJ ₁₁	1997 03 07.95579	11 34 02.81	+03 52 31.0		540
1997 EJ ₁₁	1997 03 08.00487	11 34 00.00	+03 52 59.1		540
1997 EJ ₁₁	1997 03 08.99468	11 33 06.03	+04 02 21.9	17.9 R	540
1997 EJ ₁₁	1997 03 09.00382	11 33 05.50	+04 02 26.3		540
1997 EJ ₁₁	1997 03 09.01713	11 33 04.76	+04 02 34.2		540
1997 EJ ₁₁	1997 03 09.03056	11 33 03.98	+04 02 41.7		540
1997 EJ ₁₁	1997 03 09.89149	11 32 16.90	+04 10 53.4	18.2 R	540
1997 EJ ₁₁	1997 03 09.89861	11 32 16.51	+04 10 57.7		540
1997 EJ ₁₁	1997 03 10.87662	11 31 22.44	+04 20 16.5	18.1 R	540
1997 EJ ₁₁	1997 03 10.88310	11 31 22.09	+04 20 20.1		540
1997 EJ ₁₁	1997 03 11.86042	11 30 27.90	+04 29 40.3	18.5 R	540
1997 EJ ₁₁	1997 03 11.86736	11 30 27.41	+04 29 44.4		540
1997 EJ ₁₁	1997 03 11.88414	11 30 26.48	+04 29 53.8		540
1997 EJ ₁₁	1997 03 11.89097	11 30 26.14	+04 29 57.1		540
1997 EJ ₁₁	1997 03 12.87153	11 29 31.51	+04 39 18.4	18.3 R	F 540
1997 EJ ₁₁	1997 03 12.87795	11 29 31.17	+04 39 22.4		F 540
1997 EK ₁₁	* 1997 03 07.94931	11 34 56.29	+03 46 00.9	18.1 R	540

1997 EK ₁₁	1997 03 07.95579	11 34 55.96	+03 46 03.0		540
1997 EK ₁₁	1997 03 08.00487	11 34 53.12	+03 46 15.6		540
1997 EK ₁₁	1997 03 08.99468	11 33 58.01	+03 50 35.2	17.9 R	540
1997 EK ₁₁	1997 03 09.00382	11 33 57.51	+03 50 38.2		540
1997 EK ₁₁	1997 03 09.01713	11 33 56.77	+03 50 41.4		540
1997 EK ₁₁	1997 03 09.03056	11 33 55.96	+03 50 45.3		540
1997 EK ₁₁	1997 03 09.91094	11 33 06.91	+03 54 37.7	18.2 R	540
1997 EK ₁₁	1997 03 09.91748	11 33 06.56	+03 54 38.8		540
1997 EK ₁₁	1997 03 12.84711	11 30 21.81	+04 07 30.9	17.7 R	540
1997 EK ₁₁	1997 03 12.85382	11 30 21.42	+04 07 32.9		540
1997 ED ₁₈	* 1997 03 09.89149	11 32 33.95	+04 13 32.2	17.9 R	I 540
1997 ED ₁₈	1997 03 10.87662	11 31 54.66	+04 22 38.9	17.6 R	540
1997 ED ₁₈	1997 03 10.88310	11 31 54.43	+04 22 42.5		540
1997 ED ₁₈	1997 03 11.86042	11 31 15.32	+04 31 45.4	18.0 R	540
1997 ED ₁₈	1997 03 11.86736	11 31 15.03	+04 31 49.5		540
1997 EB ₂₆	* 1997 03 10.87662	11 31 02.84	+04 25 57.5	18.2 R	540
1997 EB ₂₆	1997 03 10.88310	11 31 02.52	+04 25 59.3		540
1997 EB ₂₆	1997 03 10.91707	11 31 00.68	+04 26 09.8	18.0 R	540
1997 EB ₂₆	1997 03 11.86042	11 30 08.86	+04 30 53.9	18.2 R	540
1997 EB ₂₆	1997 03 11.86736	11 30 08.43	+04 30 56.3		540
1997 EB ₂₆	1997 03 11.88414	11 30 07.43	+04 31 01.2		540
1997 EB ₂₆	1997 03 11.89097	11 30 07.10	+04 31 03.6		540
1997 EB ₂₆	1997 03 12.87153	11 29 13.26	+04 35 57.1	17.8 R	540
1997 EB ₂₆	1997 03 12.87795	11 29 12.71	+04 36 01.2		F 540
1266 T-2	1997 03 09.93663	11 22 27.85	+04 40 32.8	17.6 R	540
1266 T-2	1997 03 09.94317	11 22 27.47	+04 40 34.1		540
1266 T-2	1997 03 09.95145	11 22 26.91	+04 40 36.3		540
1266 T-2	1997 03 11.91690	11 20 25.06	+04 47 43.2	17.5 R	540
1266 T-2	1997 03 11.92373	11 20 24.61	+04 47 44.8		540
(2559)	1997 03 01.90660	11 27 37.16	+04 22 55.9	16.1 R	540
(2559)	1997 03 01.94010	11 27 35.25	+04 23 00.9		540
(2559)	1997 03 01.96527	11 27 33.83	+04 23 04.7		540
(3519)	1997 03 01.93194	11 35 44.99	+03 33 08.9	16.1 R	540
(3519)	1997 03 01.95770	11 35 43.46	+03 33 18.4		540
(3519)	1997 03 01.98247	11 35 42.00	+03 33 27.6		540

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Observers C. Vacchi, G. Sassi, E. Colombini, R. Di Luca

0.45-m *f*/3.3 reflector + CCD

GSC

1987 MC	1997 02 16.95809	11 36 40.59	+01 07 14.9	18.0 V	552
1987 MC	1997 02 16.96981	11 36 40.13	+01 07 19.7		552
1987 MC	1997 02 16.98360	11 36 39.54	+01 07 25.1		552
1987 MC	1997 03 02.88965	11 25 45.82	+02 56 14.4	17.1 V	552
1987 MC	1997 03 02.90856	11 25 44.77	+02 56 24.7		552
1987 MC	1997 03 02.93513	11 25 43.30	+02 56 38.4		552
1987 MC	1997 03 03.95248	11 24 48.65	+03 05 31.7	17.2 V	552
1987 MC	1997 03 03.95968	11 24 48.28	+03 05 35.7		552
1987 MC	1997 03 03.96637	11 24 47.89	+03 05 38.8		552
1991 RQ ₂₇	1997 02 16.90421	10 08 00.27	+15 58 17.6	18.8 V	552
1991 RQ ₂₇	1997 02 16.92253	10 07 59.03	+15 58 22.3		552

1997 MAR. 24

M.P.C. 29209

1995 SC ₂	1997 02 10.83875	08 58 47.12	+12 20 09.6	18.3 V	552	1997 ER ₇	1997 03 08.84762	08 41 14.76	+15 15 36.2	18.1 V	552
1995 SC ₂	1997 02 10.84564	08 58 46.68	+12 20 12.7		552	1997 ER ₇	1997 03 08.86200	08 41 14.30	+15 15 36.7		552
1995 SC ₂	1997 02 10.85257	08 58 46.27	+12 20 15.9		552	1997 ER ₇	1997 03 08.87253	08 41 14.13	+15 15 37.2		552
1995 SC ₂	1997 02 16.87880	08 53 23.90	+13 02 39.1	18.4 V	552	1997 ES ₇	* 1997 03 07.90384	11 19 18.63	+04 15 10.1	18.4 V	552
1995 SC ₂	1997 02 16.88699	08 53 23.45	+13 02 42.8		552	1997 ES ₇	1997 03 07.91799	11 19 17.85	+04 15 18.7		552
1995 SC ₂	1997 02 16.89230	08 53 23.22	+13 02 45.6		552	1997 ES ₇	1997 03 07.95565	11 19 15.83	+04 15 40.6	18.4 V	552
1995 SC ₂	1997 02 27.85036	08 45 20.42	+14 13 44.0	18.0 V	552	1997 ES ₇	1997 03 07.98951	11 19 14.02	+04 15 59.6		552
1995 SC ₂	1997 02 27.86406	08 45 19.91	+14 13 49.0		552	1997 ES ₇	1997 03 08.88071	11 18 27.81	+04 24 33.0	18.0 V	552
1995 SC ₂	1997 02 27.87679	08 45 19.41	+14 13 52.6		552	1997 ES ₇	1997 03 08.89159	11 18 27.43	+04 24 36.3		552
1995 SC ₂	1997 02 28.77700	08 44 47.36	+14 19 12.7	18.0 V	552	1997 ES ₇	1997 03 08.90311	11 18 26.66	+04 24 44.3		552
1995 SC ₂	1997 02 28.79312	08 44 46.77	+14 19 18.4		552	1997 ET ₇	* 1997 03 07.90711	11 19 59.34	+04 29 33.4	17.5 V	552
1995 SC ₂	1997 02 28.80412	08 44 46.40	+14 19 22.2		552	1997 ET ₇	1997 03 07.92101	11 19 58.49	+04 29 33.9		552
1995 SC ₂	1997 02 28.81898	08 44 45.84	+14 19 28.2		552	1997 ET ₇	1997 03 07.94806	11 19 56.79	+04 29 36.6		552
1995 SC ₂	1997 03 02.84983	08 43 37.97	+14 31 07.9	18.0 V	552	1997 ET ₇	1997 03 07.96417	11 19 55.84	+04 29 37.0		552
1995 SC ₂	1997 03 02.85914	08 43 37.66	+14 31 11.0		552	1997 ET ₇	1997 03 08.91227	11 19 00.89	+04 30 02.7	17.5 V	552
1995 SC ₂	1997 03 02.86773	08 43 37.36	+14 31 14.4		552	1997 ET ₇	1997 03 08.92468	11 19 00.15	+04 30 03.2		552
1995 SC ₂	1997 03 07.86646	08 41 19.40	+14 57 53.4	19.0 V	552	1997 ET ₇	1997 03 08.93634	11 18 59.45	+04 30 03.6		552
1995 SC ₂	1997 03 07.89187	08 41 18.75	+14 58 00.4		552	1997 EU ₇	* 1997 03 07.90711	11 20 35.32	+04 27 21.8	18.5 V	552
1997 AN ₁	1997 02 16.85694	08 01 37.20	+16 49 37.6	17.6 V	552	1997 EU ₇	1997 03 07.92101	11 20 34.65	+04 27 25.5		552
1997 AN ₁	1997 02 16.86723	08 01 36.76	+16 49 37.2		552	1997 EU ₇	1997 03 07.94806	11 20 33.41	+04 27 33.5		552
1997 AN ₁	1997 02 16.87310	08 01 36.46	+16 49 36.5		552	1997 EU ₇	1997 03 07.96417	11 20 32.69	+04 27 37.7		552
1997 AN ₁	1997 02 17.82735	08 00 54.46	+16 47 20.3	17.8 V	552	1997 EU ₇	1997 03 08.91644	11 19 49.77	+04 31 53.1	18.8 V	552
1997 AN ₁	1997 02 17.84796	08 00 53.39	+16 47 16.5		552	1997 EU ₇	1997 03 08.92803	11 19 49.12	+04 31 55.0		552
1997 AN ₁	1997 02 17.87118	08 00 52.39	+16 47 12.9		552	1997 EU ₇	1997 03 08.93932	11 19 48.58	+04 31 58.0		552
1997 DO	* 1997 02 27.85036	08 45 19.84	+14 14 36.8	18.5 V	552	1997 EV ₇	* 1997 03 07.90711	11 20 39.40	+04 24 50.3	19.0 V	552
1997 DO	1997 02 27.86406	08 45 19.34	+14 14 41.4		552	1997 EV ₇	1997 03 07.92101	11 20 38.81	+04 24 56.1		552
1997 DO	1997 02 27.87679	08 45 18.87	+14 14 47.1		552	1997 EV ₇	1997 03 07.94806	11 20 37.58	+04 25 01.7		552
1997 DO	1997 02 28.77700	08 44 49.89	+14 21 09.4	18.5 V	552	1997 EV ₇	1997 03 07.96417	11 20 36.91	+04 25 07.2		552
1997 DO	1997 02 28.79312	08 44 49.37	+14 21 16.5		552	1997 EV ₇	1997 03 08.91644	11 19 54.65	+04 29 55.4	18.7 V	552
1997 DO	1997 02 28.80412	08 44 49.04	+14 21 21.2		552	1997 EV ₇	1997 03 08.92803	11 19 54.00	+04 29 58.5		552
1997 DO	1997 02 28.81898	08 44 48.58	+14 21 26.6		552	1997 EV ₇	1997 03 08.93932	11 19 53.54	+04 30 01.2		552
1997 DO	1997 03 02.84983	08 43 48.12	+14 35 24.2	18.5 V	552	1997 EW ₇	* 1997 03 07.91304	11 23 01.52	+04 25 34.6	18.3 V	552
1997 DO	1997 03 02.85914	08 43 47.85	+14 35 27.0		552	1997 EW ₇	1997 03 07.92701	11 23 00.90	+04 25 38.5		552
1997 DO	1997 03 02.86773	08 43 47.57	+14 35 31.3		552	1997 EW ₇	1997 03 08.94683	11 22 15.99	+04 30 09.2	18.5 V	552
1997 DO	1997 03 07.85888	08 41 52.31	+15 07 16.9	19.0 V	552	1997 EW ₇	1997 03 08.95825	11 22 15.46	+04 30 12.8		552
1997 DO	1997 03 07.87881	08 41 51.91	+15 07 23.5		552	1997 EW ₇	1997 03 08.96481	11 22 15.14	+04 30 14.4		552
1997 DO	1997 03 08.84762	08 41 35.22	+15 13 07.0	19.0 V	552	1997 EX ₇	* 1997 03 07.91304	11 23 37.67	+04 21 31.9	18.4 V	552
1997 DO	1997 03 08.86200	08 41 34.98	+15 13 13.1		552	1997 EX ₇	1997 03 07.92701	11 23 36.94	+04 21 36.4		552
1997 DO	1997 03 08.87253	08 41 34.85	+15 13 15.3		552	1997 EX ₇	1997 03 08.94683	11 22 39.59	+04 26 12.4	18.5 V	552
1997 EL ₇	* 1997 03 02.93812	11 24 03.05	+03 05 53.4	17.6 V	552	1997 EX ₇	1997 03 08.95825	11 22 38.93	+04 26 14.3		552
1997 EL ₇	1997 03 02.95382	11 24 02.41	+03 06 07.1		552	1997 EX ₇	1997 03 08.96481	11 22 38.56	+04 26 16.5		552
1997 EL ₇	1997 03 03.90123	11 23 27.74	+03 19 31.0	18.0 V	552	1997 EY ₇	* 1997 03 07.95565	11 19 57.72	+04 13 29.3	19.0 V	552
1997 EL ₇	1997 03 03.91377	11 23 27.20	+03 19 41.3		552	1997 EY ₇	1997 03 07.98951	11 19 55.63	+04 13 41.1		552
1997 EL ₇	1997 03 03.91821	11 23 27.02	+03 19 44.6		552	1997 EY ₇	1997 03 08.88071	11 19 03.54	+04 18 38.4	19.3 V	552
1997 EL ₇	1997 03 03.92757	11 23 26.65	+03 19 52.9		552	1997 EY ₇	1997 03 08.89159	11 19 02.86	+04 18 40.9		552
1997 EL ₇	1997 03 07.90711	11 20 56.03	+04 16 55.4	17.8 V	552	1997 EY ₇	1997 03 08.90311	11 19 02.11	+04 18 45.1		552
1997 EL ₇	1997 03 07.92101	11 20 55.42	+04 17 07.3		552	(2628)	1997 02 10.88296	10 40 46.61	+06 44 57.7	17.7 V	552
1997 EL ₇	1997 03 08.91644	11 20 16.98	+04 31 31.4	18.1 V	552	(2628)	1997 02 10.90258	10 40 45.80	+06 45 02.8		552
1997 EL ₇	1997 03 08.92803	11 20 16.49	+04 31 41.2		552	(2628)	1997 02 10.92390	10 40 44.79	+06 45 08.7		552
1997 EL ₇	1997 03 08.93932	11 20 16.03	+04 31 51.2		552	(3180)	1997 02 16.90093	10 07 35.23	+15 54 15.0	16.6 V	552
1997 ER ₇	* 1997 03 07.85888	08 41 41.60	+15 14 13.8	17.9 V	552	(3180)	1997 02 16.91918	10 07 33.93	+15 54 18.9		552
1997 ER ₇	1997 03 07.87881	08 41 40.98	+15 14 15.2		552	(4141)	1997 02 10.88296	10 40 38.74	+06 44 59.7	16.2 V	552

(4141)	1997 02 10.90258	10 40 37.66	+06 45 01.7		552
(4141)	1997 02 10.92390	10 40 36.46	+06 45 03.0		552
(4359)	1997 03 02.89962	11 29 30.26	+03 05 47.4	17.0 V	552
(4359)	1997 03 02.91778	11 29 29.17	+03 05 54.5		552
(6601)	1997 02 27.88705	09 56 15.25	+16 05 47.6	17.9 V	552
(6601)	1997 02 27.89675	09 56 14.71	+16 05 49.9		552
(6601)	1997 02 27.90659	09 56 14.07	+16 05 52.5		552
(7491)	1997 02 16.85694	08 01 16.11	+16 48 18.2	17.1 V	552
(7491)	1997 02 16.86723	08 01 15.72	+16 48 18.9		552
(7491)	1997 02 16.87310	08 01 15.48	+16 48 19.4		552
(7491)	1997 02 17.82735	08 00 40.47	+16 49 36.9	17.2 V	552
(7491)	1997 02 17.84796	08 00 39.73	+16 49 37.6		552
(7491)	1997 02 17.87118	08 00 38.83	+16 49 38.8		552
(7491)	1997 02 27.80162	07 55 57.38	+17 00 26.4	17.0 V	552
(7491)	1997 02 27.81546	07 55 57.05	+17 00 27.3		552
(7491)	1997 02 27.83338	07 55 56.68	+17 00 28.3		552

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0.65-m $f/3.6$ reflector + CCD

GSC

1991 CS	1997 03 10.04781	12 33 16.32	+44 20 50.8		557
1991 CS	1997 03 10.05777	12 33 15.30	+44 21 48.8	16.3 V	557
1991 VH	1997 02 17.13642	12 11 29.94	+14 55 45.6		557
1991 VH	1997 02 17.16750	12 11 28.80	+14 57 12.3	16.4 V	557
1991 VH	1997 02 17.18649	12 11 28.11	+14 58 05.3		557
1991 VH	1997 02 17.92855	12 11 05.23	+15 33 00.0		557
1991 VH	1997 02 17.94065	12 11 04.75	+15 33 34.6	16.1 V	557
1991 VH	1997 02 17.95221	12 11 04.28	+15 34 07.8		557
1991 VH	1997 03 10.92756	11 45 02.04	+31 52 52.2		557
1991 VH	1997 03 10.96260	11 44 58.10	+31 54 15.7	16.6 V	557
1995 PG	1997 02 26.78723	08 21 46.82	+26 11 49.6	18.3 V	557
1995 PG	1997 02 26.78954	08 21 46.73	+26 11 48.3		557
1995 PG	1997 02 26.86369	08 21 43.93	+26 11 14.9		557
1995 PG	1997 02 26.86652	08 21 43.87	+26 11 14.0	18.1 V	557
1995 QP	1997 03 11.77322	09 35 45.42	+17 55 16.0		r 557
1995 QP	1997 03 11.78340	09 35 45.02	+17 55 16.7		r 557
1995 SH	1997 03 11.79620	06 00 43.25	+08 14 41.7		557
1995 SH	1997 03 11.80833	06 00 43.75	+08 14 46.0		557
1995 SH	1997 03 11.81450	06 00 43.98	+08 14 48.0		557
1995 SP	1997 02 03.15050	13 28 07.62	-06 41 54.6		W 557
1995 SP	1997 02 03.17069	13 28 07.90	-06 41 58.0	19.8 V	557
1995 SP	1997 02 03.17353	13 28 07.91	-06 41 58.4		557
1995 SP	1997 03 01.12973	13 24 12.50	-07 20 56.2		W 557
1995 SP	1997 03 01.14529	13 24 11.92	-07 20 56.6		W 557
1995 SP	1997 03 05.12694	13 21 54.75	-07 19 00.3	18.5 V	557
1995 SP	1997 03 05.13284	13 21 54.50	-07 19 00.0		557
1996 AY ₁	1997 03 05.01694	12 39 14.84	+17 00 39.9	19.4 V	r 557
1996 AY ₁	1997 03 05.03679	12 39 14.14	+17 00 48.8		r 557
1996 AY ₁	1997 03 08.16720	12 37 24.80	+17 24 43.0		r 557

1996 AY ₁	1997 03 08.17022	12 37 24.71	+17 24 44.3		r 557
1996 AY ₁	1997 03 09.15132	12 36 49.04	+17 32 05.8	19.5 V	557
1996 AY ₁	1997 03 09.15696	12 36 48.88	+17 32 07.7		557
1996 AY ₁	1997 03 09.16010	12 36 48.77	+17 32 09.7		557
1996 TO ₅	1997 02 28.78532	04 15 05.43	-01 54 51.7		557
1996 TO ₅	1997 02 28.78803	04 15 06.08	-01 54 46.6	19.6 V	557
1996 TC ₁₅	1997 02 26.77068	07 35 26.17	+30 23 48.4		557
1996 TC ₁₅	1997 02 26.78218	07 35 25.88	+30 23 48.1	19.4 V	557
1996 YU ₂	1997 03 03.75312	05 17 09.60	+08 07 39.5		557
1996 YU ₂	1997 03 03.75575	05 17 09.69	+08 07 40.4	18.6 V	557
1997 AE ₁₈	1997 02 26.77307	07 53 55.09	+19 48 21.7		557
1997 AE ₁₈	1997 02 26.77789	07 53 54.95	+19 48 21.7		557
1997 AE ₁₈	1997 02 26.77998	07 53 54.87	+19 48 21.5		557
1997 AE ₁₈	1997 03 11.78638	07 49 52.43	+19 31 35.2		557
1997 AE ₁₈	1997 03 11.80538	07 49 52.31	+19 31 33.4		557
1997 AE ₁₈	1997 03 11.81795	07 49 52.22	+19 31 32.0	17.9 V	557
1997 BQ	1997 03 01.13897	18 42 23.74	+46 01 03.8		557
1997 BQ	1997 03 01.14145	18 42 24.52	+46 00 48.8	17.8 V	557
1997 BQ	1997 03 05.17126	19 02 33.00	+38 55 43.0		557
1997 BQ	1997 03 05.17285	19 02 33.41	+38 55 32.9		557
1997 BQ	1997 03 05.17429	19 02 33.79	+38 55 23.9	17.8 V	557
1997 BQ	1997 03 09.17705	19 19 19.41	+31 49 04.9		557
1997 BQ	1997 03 09.17863	19 19 19.76	+31 48 55.4	18.4 V	557
1997 BQ	1997 03 10.18080	19 23 09.30	+30 03 17.8		557
1997 BQ	1997 03 10.18204	19 23 09.58	+30 03 10.6		557
1997 BQ	1997 03 10.18336	19 23 09.86	+30 03 01.9		557
1997 BQ	1997 03 12.16344	19 30 23.02	+26 37 06.1		557
1997 BQ	1997 03 12.16465	19 30 23.24	+26 36 58.9		557
1997 BQ	1997 03 12.16587	19 30 23.50	+26 36 51.2		557
1997 BQ	1997 03 12.16706	19 30 23.78	+26 36 44.4		557
1997 BR	1997 02 16.79590	09 44 29.07	+45 27 16.7	17.2 V	557
1997 BR	1997 02 16.81424	09 44 26.69	+45 28 15.0		557
1997 BR	1997 02 16.87339	09 44 19.14	+45 31 20.5		557
1997 BR	1997 02 17.12064	09 43 46.97	+45 44 00.8		557
1997 BR	1997 02 17.12819	09 43 45.99	+45 44 23.8		557
1997 BR	1997 02 17.78887	09 42 26.74	+46 18 13.1	17.0 V	557
1997 BR	1997 02 17.84072	09 42 19.89	+46 20 54.1	17.1 V	557
1997 BR	1997 02 17.84859	09 42 18.96	+46 21 18.7		557
1997 BR	1997 02 17.91876	09 42 09.46	+46 24 55.1	17.5 V	557
1997 BR	1997 02 26.75537	09 21 42.45	+53 17 14.0	17.4 V	557
1997 BR	1997 02 26.75942	09 21 41.82	+53 17 24.8		557
1997 BR	1997 02 26.76358	09 21 41.20	+53 17 35.2		557
1997 BR	1997 02 26.87858	09 21 22.98	+53 22 27.7		557
1997 BR	1997 02 26.88446	09 21 22.06	+53 22 42.5		557
1997 BR	1997 02 26.89230	09 21 20.78	+53 23 02.4		557
1997 BR	1997 02 26.89789	09 21 19.91	+53 23 16.1	17.5 V	557
1997 BR	1997 02 28.75244	09 16 42.02	+54 38 12.5		557
1997 BR	1997 02 28.76784	09 16 39.60	+54 38 49.2		557
1997 BR	1997 02 28.81693	09 16 31.71	+54 40 47.6		557
1997 BR	1997 02 28.83288	09 16 29.15	+54 41 25.8	17.4 V	557
1997 BR	1997 03 01.75156	09 14 10.39	+55 16 49.6		557
1997 BR	1997 03 01.75911	09 14 09.12	+55 17 07.1	17.8 V	557

1997 MAR. 24

M.P.C. 29211

1997 BR	1997 03 01.80458	09 14 01.89	+55 18 53.1	17.9 V	557	1997 DF	1997 03 02.99978	08 43 37.51	+21 14 01.0	557
1997 BR	1997 03 01.99429	09 13 31.05	+55 26 03.9		557	1997 DF	1997 03 03.99971	08 43 29.73	+21 38 15.9	19.7 V W 557
1997 BR	1997 03 02.00025	09 13 30.00	+55 26 16.9	18.4 V	557	1997 DF	1997 03 04.00271	08 43 29.65	+21 38 20.4	W 557
1997 BR	1997 03 02.74700	09 11 38.97	+55 54 02.0		557	1997 DF	1997 03 09.76041	08 43 44.42	+23 42 47.6	557
1997 BR	1997 03 02.75363	09 11 37.84	+55 54 17.2		557	1997 DF	1997 03 09.76351	08 43 44.43	+23 42 51.1	557
1997 BR	1997 03 02.76490	09 11 36.05	+55 54 42.7	18.2 V	557	1997 DF	1997 03 09.79142	08 43 44.68	+23 43 23.6	19.7 V 557
1997 BR	1997 03 05.79591	09 03 56.21	+57 40 09.8		557	1997 DF	1997 03 10.75838	08 43 56.97	+24 01 47.8	557
1997 BR	1997 03 05.86398	09 03 45.22	+57 42 25.7		557	1997 DF	1997 03 10.76162	08 43 57.00	+24 01 51.1	557
1997 BR	1997 03 05.92050	09 03 36.08	+57 44 16.3		557	1997 DF	1997 03 10.76479	08 43 57.07	+24 01 54.7	557
1997 BR	1997 03 05.92512	09 03 35.33	+57 44 25.3	17.9 V	557	1997 DF	1997 03 10.76797	08 43 57.08	+24 01 58.5	19.7 V 557
1997 BR	1997 03 07.85301	08 58 49.42	+58 45 07.6		557	1997 DF	1997 03 11.75813	08 44 12.47	+24 20 04.6	557
1997 BR	1997 03 07.85763	08 58 48.67	+58 45 16.0	17.4 V	557	1997 DF	1997 03 11.76161	08 44 12.54	+24 20 08.7	557
1997 BQ ₆	1997 02 26.90742	08 45 03.59	+19 25 38.7		557	1997 DF	1997 03 11.76470	08 44 12.61	+24 20 12.5	557
1997 BQ ₆	1997 02 26.91034	08 45 03.47	+19 25 38.8	19.8 V	557	1997 DF	1997 03 11.76789	08 44 12.62	+24 20 15.6	19.3 V 557
1997 BQ ₆	1997 02 26.91322	08 45 03.38	+19 25 39.0		557	1997 DF	1997 03 12.76640	08 44 31.14	+24 37 48.2	557
1997 CB	1997 02 28.99141	11 03 39.44	+08 01 48.0		557	1997 DF	1997 03 12.76940	08 44 31.19	+24 37 51.3	557
1997 CB	1997 02 28.99450	11 03 39.26	+08 01 49.6		557	1997 DF	1997 03 12.77226	08 44 31.20	+24 37 54.3	19.2 V 557
1997 CB	1997 02 28.99715	11 03 39.07	+08 01 50.9	18.5 V	557	1997 EN	* 1997 03 01.78368	08 43 32.23	+20 44 49.7	18.7 V 557
1997 CB	1997 03 09.95634	10 55 40.81	+09 18 06.6	18.4 V	557	1997 EN	1997 03 01.78596	08 43 32.14	+20 44 50.8	18.7 V 557
1997 CB	1997 03 09.98757	10 55 39.14	+09 18 22.1		557	1997 EN	1997 03 01.79109	08 43 31.90	+20 44 50.8	18.9 V 557
1997 CU ₂₆	1997 02 17.79914	08 30 00.77	+15 35 55.3		557	1997 EN	1997 03 02.77090	08 42 59.20	+20 48 23.4	557
1997 CU ₂₆	1997 02 17.80947	08 30 00.65	+15 35 55.6		557	1997 EN	1997 03 02.78700	08 42 58.67	+20 48 27.0	557
1997 CU ₂₆	1997 02 17.85903	08 30 00.00	+15 35 56.4		557	1997 EN	1997 03 02.79366	08 42 58.43	+20 48 28.6	557
1997 CU ₂₆	1997 02 17.86882	08 29 59.87	+15 35 56.4		557	1997 EN	1997 03 03.77360	08 42 27.68	+20 51 50.5	557
1997 CU ₂₆	1997 02 24.88747	08 28 33.78	+15 38 17.5		557	1997 EN	1997 03 07.76707	08 40 42.93	+21 03 46.6	18.7 V 557
1997 CU ₂₆	1997 02 24.92146	08 28 33.36	+15 38 18.1	17.9 V	557	1997 EN	1997 03 07.77089	08 40 42.87	+21 03 47.3	557
1997 DF	* 1997 02 26.90175	08 44 40.99	+19 26 16.7		557	1997 EN	1997 03 07.78400	08 40 42.54	+21 03 49.1	557
1997 DF	1997 02 26.90742	08 44 40.82	+19 26 26.7		557	1997 EN	1997 03 07.78649	08 40 42.50	+21 03 50.0	557
1997 DF	1997 02 26.91034	08 44 40.76	+19 26 31.8		557	1997 EN	1997 03 09.77334	08 40 03.22	+21 08 41.6	18.5 V 557
1997 DF	1997 02 26.91322	08 44 40.68	+19 26 36.7	18.3 V	557	1997 EN	1997 03 09.78567	08 40 02.96	+21 08 42.7	557
1997 DF	1997 02 26.94190	08 44 39.98	+19 27 24.7		557	1997 EN	1997 03 09.78858	08 40 02.92	+21 08 43.4	557
1997 DF	1997 02 26.94459	08 44 39.91	+19 27 28.9		557	1997 EN	1997 03 11.79303	08 39 32.16	+21 12 55.7	557
1997 DF	1997 02 26.94729	08 44 39.83	+19 27 33.5		557	1997 EN	1997 03 11.79943	08 39 32.08	+21 12 56.3	557
1997 DF	1997 02 26.94999	08 44 39.76	+19 27 37.9		557	1997 EN	1997 03 11.81171	08 39 31.89	+21 12 57.6	18.9 V 557
1997 DF	1997 02 27.01145	08 44 38.21	+19 29 20.5		557	1997 EL ₁₁	* 1997 03 09.15132	12 37 06.85	+17 27 58.7	557
1997 DF	1997 02 27.01418	08 44 38.16	+19 29 25.0		557	1997 EL ₁₁	1997 03 09.16339	12 37 06.23	+17 28 02.5	557
1997 DF	1997 02 27.01977	08 44 38.03	+19 29 33.4	18.7 V	557	1997 EL ₁₁	1997 03 09.16650	12 37 06.08	+17 28 03.6	17.4 V 557
1997 DF	1997 02 27.92530	08 44 20.45	+19 54 26.6	18.6 V	557	1997 EL ₁₁	1997 03 10.03668	12 36 22.39	+17 32 37.8	17.6 V 557
1997 DF	1997 02 27.92834	08 44 20.38	+19 54 31.8		557	1997 EL ₁₁	1997 03 10.04154	12 36 22.13	+17 32 39.6	557
1997 DF	1997 02 28.06251	08 44 17.45	+19 58 07.8		557	1997 EL ₁₁	1997 03 12.11947	12 34 34.64	+17 43 15.6	557
1997 DF	1997 02 28.06524	08 44 17.39	+19 58 12.0		557	1997 EL ₁₁	1997 03 12.12435	12 34 34.37	+17 43 16.9	557
1997 DF	1997 03 01.78368	08 43 51.84	+20 43 26.9	19.0 V	557	1997 EL ₁₁	1997 03 13.12075	12 33 41.62	+17 48 11.5	557
1997 DF	1997 03 01.78596	08 43 51.79	+20 43 30.5	19.0 V	557	1997 EL ₁₁	1997 03 13.12405	12 33 41.42	+17 48 12.6	557
1997 DF	1997 03 01.79109	08 43 51.72	+20 43 38.0	18.9 V	557	1997 EL ₁₁	1997 03 13.12718	12 33 41.27	+17 48 13.4	557
1997 DF	1997 03 02.77507	08 43 40.52	+21 08 27.9		557	1997 EB ₁₈	* 1997 03 09.95634	10 55 20.70	+09 16 07.6	18.4 V 557
1997 DF	1997 03 02.79645	08 43 40.24	+21 08 59.9		557	1997 EB ₁₈	1997 03 09.98757	10 55 18.62	+09 16 10.3	557
1997 DF	1997 03 02.79932	08 43 40.17	+21 09 03.8		557	1997 EB ₁₈	1997 03 10.97069	10 54 14.75	+09 17 22.2	18.7 V 557
1997 DF	1997 03 02.80214	08 43 40.16	+21 09 08.1	18.4 V	557	1997 EB ₁₈	1997 03 10.97838	10 54 14.23	+09 17 22.5	557
1997 DF	1997 03 02.85784	08 43 39.43	+21 10 31.8		557	(5587)	1997 03 05.84101	09 31 06.59	-04 19 33.3	557
1997 DF	1997 03 02.98731	08 43 37.60	+21 13 43.1		557	(5587)	1997 03 05.90655	09 31 02.22	-04 18 43.2	557
1997 DF	1997 03 02.99334	08 43 37.58	+21 13 51.9		557	(5587)	1997 03 09.84069	09 26 54.06	-03 27 26.9	557
1997 DF	1997 03 02.99654	08 43 37.51	+21 13 56.3		557	(5587)	1997 03 10.01480	09 26 43.23	-03 25 08.0	557

(5587)	1997 03 10.77313	09 25 57.85	-03 15 01.5	17.1 V	557
(5587)	1997 03 10.79044	09 25 56.80	-03 14 47.5	17.2 V	557
(5587)	1997 03 10.81149	09 25 55.51	-03 14 30.8	17.6 V	557
(5587)	1997 03 10.82719	09 25 54.55	-03 14 17.8	17.7 V	557
(5587)	1997 03 10.83757	09 25 53.90	-03 14 09.7	17.6 V	557

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0.40-m $f/3.5$ reflector + CCD

GSC

1990 QS ₂	1997 01 12.90273	05 51 09.95	+20 33 58.8	16.2 V	560
1990 QS ₂	1997 01 12.91253	05 51 09.54	+20 33 58.6		560
1990 QS ₂	1997 01 12.92263	05 51 09.02	+20 33 59.7		560
1995 WM ₂	1997 02 06.96959	09 27 19.63	-08 41 52.9	18.5 V	560
1995 WM ₂	1997 02 06.97698	09 27 19.23	-08 41 51.2		560
1995 WM ₂	1997 02 07.00694	09 27 17.64	-08 41 45.7		560
1995 WM ₂	1997 02 07.01402	09 27 17.38	-08 41 44.4		560
(148)	1997 02 14.87052	08 23 26.91	+10 22 03.8	11.4 V	560
(148)	1997 02 14.88523	08 23 26.26	+10 22 15.6		560
(148)	1997 02 14.89292	08 23 25.94	+10 22 21.1		560
(962)	1997 02 21.87271	06 43 14.91	+21 21 07.9	14.5 V	560
(962)	1997 02 21.88638	06 43 14.81	+21 21 09.4		560
(962)	1997 02 21.89948	06 43 14.70	+21 21 10.8		560
(6003)	1997 02 14.87866	08 22 54.73	+10 12 34.9	17.1 V	560
(6003)	1997 02 14.88717	08 22 54.28	+10 12 36.5		560
(6003)	1997 02 14.89466	08 22 53.85	+10 12 39.1		560
(6588)	1997 01 12.91025	05 49 53.42	+20 35 20.8	17.2 V	560
(6588)	1997 01 12.92029	05 49 52.90	+20 35 21.6		560
(6588)	1997 01 12.92926	05 49 52.49	+20 35 21.7		560

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

1995 UF ₄₅	1997 02 04.43548	09 54 47.23	+16 17 03.8	17.8 V	566
1995 UF ₄₅	1997 02 04.45648	09 54 46.18	+16 17 09.7	17.9 V	566
1995 UF ₄₅	1997 02 04.47527	09 54 45.24	+16 17 15.0	17.8 V	566
1997 AX ₅	1997 02 04.35579	08 46 03.33	+15 41 50.2	17.9 V	566
1997 AX ₅	1997 02 04.36424	08 46 02.73	+15 41 50.6	17.9 V	566
1997 AX ₅	1997 02 04.37265	08 46 02.13	+15 41 51.2	17.9 V	566
1997 AK ₂₂	1997 02 03.37847	07 43 30.83	+21 48 20.5	19.4 V	566
1997 AK ₂₂	1997 02 03.38695	07 43 30.38	+21 48 23.8	19.4 V	566
1997 AK ₂₂	1997 02 03.39535	07 43 29.91	+21 48 26.8	19.9 V	566
1997 BF ₂	1997 01 10.42978	08 08 21.38	+21 28 31.5	19.0 V	566
1997 BF ₂	1997 01 10.43823	08 08 20.73	+21 28 29.6	19.0 V	566
1997 BF ₂	1997 01 10.44663	08 08 20.13	+21 28 28.4	18.8 V	566
1997 CC ₂₆	1997 02 07.34247	08 35 49.20	+23 55 57.4	18.8 V	566
1997 CC ₂₆	1997 02 07.35300	08 35 48.57	+23 55 58.8	19.4 V	566

1997 CC ₂₆	1997 02 07.36148	08 35 47.97	+23 55 59.8	19.0 V	566
1997 CW ₂₇	1997 01 12.53185	09 51 39.09	+11 59 31.8	18.8 V	566
1997 CW ₂₇	1997 01 12.54038	09 51 38.75	+11 59 33.1	18.9 V	566
1997 CW ₂₇	1997 01 12.54878	09 51 38.43	+11 59 34.4	19.2 V	566
1997 CB ₂₈	1997 02 04.47096	10 21 18.29	+12 56 40.7	18.6 V	566
1997 CB ₂₈	1997 02 04.47943	10 21 17.85	+12 56 44.5	18.4 V	566
1997 CB ₂₈	1997 02 04.48783	10 21 17.40	+12 56 48.3	18.2 V	566
1997 CR ₂₈	1997 02 03.60944	10 13 06.40	+16 08 49.0	19.7 V	566
1997 CR ₂₈	1997 02 03.61783	10 13 05.96	+16 08 51.8	19.6 V	566
1997 CR ₂₈	1997 02 03.62622	10 13 05.49	+16 08 55.0	19.8 V	566
1997 CS ₂₈	1997 02 03.60944	10 15 26.65	+16 16 27.5	19.9 V	566
1997 CS ₂₈	1997 02 03.61783	10 15 26.20	+16 16 30.1	19.9 V	566
1997 CS ₂₈	1997 02 03.62622	10 15 25.80	+16 16 33.0	19.6 V	566
5124 T-3	1997 01 15.53403	09 43 42.38	+19 38 37.1	18.4 V	566
5124 T-3	1997 01 15.54482	09 43 41.90	+19 38 42.5	18.4 V	566
5124 T-3	1997 01 15.55323	09 43 41.57	+19 38 46.5	18.4 V	566

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0.5-m reflector + CCD

GSC

1991 VH	1997 03 10.88398	11 45 07.06	+31 51 08.9		587
1991 VH	1997 03 10.88727	11 45 06.71	+31 51 16.5		587
1991 VH	1997 03 10.89016	11 45 06.39	+31 51 23.7		587
1991 VH	1997 03 12.92414	11 41 32.18	+33 09 09.5		587
1991 VH	1997 03 12.92760	11 41 31.78	+33 09 17.1		587
1995 SM ₃	1997 03 08.03044	12 40 10.02	-08 30 01.6		587
1995 SM ₃	1997 03 08.04206	12 40 09.34	-08 30 03.2		587
1995 SM ₃	1997 03 12.95312	12 35 44.33	-08 31 37.5		587
1995 SM ₃	1997 03 12.96093	12 35 43.80	-08 31 36.8		587
1995 UE	1997 03 06.94289	11 34 01.34	+01 33 43.8		587
1995 UE	1997 03 06.95428	11 34 00.61	+01 33 46.6		587
1996 VS ₁	1997 02 11.87482	03 28 35.24	+41 32 19.9		587
1996 VS ₁	1997 03 02.77540	04 05 37.26	+43 06 42.9		587
1996 VS ₁	1997 03 02.78472	04 05 38.50	+43 06 45.2	17.8 V	587
1996 XB ₂	1997 03 07.84941	06 25 31.89	+00 07 41.1		587
1996 XB ₂	1997 03 07.85307	06 25 32.03	+00 07 41.1		587
1997 AW ₁₃	1997 02 06.82905	08 45 35.43	+26 00 51.0		587
1997 AW ₁₃	1997 02 06.86053	08 45 33.36	+26 00 49.9		587
1997 AW ₁₃	1997 02 10.84496	08 41 21.40	+25 57 42.9		587
1997 AW ₁₃	1997 02 28.91504	08 25 46.69	+25 18 20.2		587
1997 AW ₁₃	1997 02 28.97615	08 25 44.16	+25 18 07.7	I	587
1997 BR	1997 03 07.85936	08 58 48.65	+58 45 21.0		587
1997 BR	1997 03 07.86301	08 58 48.10	+58 45 27.0		587
1997 BR	1997 03 07.86666	08 58 47.41	+58 45 34.8		587
1997 BR	1997 03 12.85058	08 47 09.84	+61 01 59.7		587
1997 BR	1997 03 12.85532	08 47 09.12	+61 02 06.8		587
1997 BR	1997 03 12.86128	08 47 08.27	+61 02 15.5		587
1997 BD ₂	1997 02 27.86327	09 14 59.65	+20 50 39.5		587
1997 BD ₂	1997 02 27.88331	09 14 58.71	+20 50 48.3		587
1997 BD ₂	1997 03 09.88733	09 08 44.97	+21 48 30.1		587

1997 MAR. 24

M.P.C. 29213

1997 BD ₂	1997 03 09.90549	09 08 44.36	+21 48 35.0		587	1997 CD ₇	1997 02 27.86643	09 15 28.80	+18 19 41.5		587
1997 BK ₃	1997 02 06.88831	09 35 13.53	+17 15 18.8	17.9 V	587	1997 CD ₇	1997 03 10.84625	09 08 37.45	+18 26 42.0		587
1997 BK ₃	1997 02 06.90990	09 35 12.20	+17 15 25.5		587	1997 CD ₇	1997 03 10.87326	09 08 36.69	+18 26 42.1		587
1997 BK ₃	1997 02 14.87418	09 27 12.24	+17 53 44.6		587	1997 CK ₁₃	1997 02 13.93118	11 52 31.48	+04 57 16.4		587
1997 BK ₃	1997 02 14.88796	09 27 11.33	+17 53 47.8		587	1997 CK ₁₃	1997 02 13.96667	11 52 30.51	+04 57 25.7		587
1997 BK ₃	1997 02 14.93773	09 27 08.27	+17 54 01.4		587	1997 CK ₁₃	1997 02 27.89430	11 44 45.94	+06 04 10.9		587
1997 BK ₃	1997 03 02.89855	09 13 20.84	+18 48 30.3		587	1997 CK ₁₃	1997 02 27.91516	11 44 45.10	+06 04 17.6		587
1997 BK ₃	1997 03 02.92407	09 13 19.74	+18 48 33.0		587	1997 CK ₁₃	1997 03 06.90926	11 39 49.69	+06 41 52.0		587
1997 BV ₄	1997 01 30.88968	03 11 22.93	+40 22 20.1		587	1997 CK ₁₃	1997 03 06.92835	11 39 48.90	+06 41 59.1		587
1997 BV ₄	1997 02 06.81435	03 17 31.99	+39 56 09.2		587	1997 CL ₁₃	1997 02 13.92627	11 53 11.22	+07 02 10.7		587
1997 BV ₄	1997 02 06.83733	03 17 33.37	+39 56 04.9		587	1997 CL ₁₃	1997 02 13.95868	11 53 10.36	+07 02 28.5		587
1997 BV ₄	1997 02 10.82799	03 21 39.72	+39 43 00.8		587	1997 CL ₁₃	1997 02 27.90013	11 44 45.56	+09 11 26.0		587
1997 BV ₄	1997 02 10.86428	03 21 42.05	+39 42 53.6		587	1997 CL ₁₃	1997 02 27.90708	11 44 45.26	+09 11 30.8		587
1997 BV ₄	1997 02 27.83507	03 43 07.04	+39 01 38.8		I 587	1997 CL ₁₃	1997 02 27.91035	11 44 45.09	+09 11 32.1		587
1997 BV ₄	1997 02 27.84271	03 43 07.63	+39 01 38.6	19.2 V	587	1997 CL ₁₃	1997 03 06.89959	11 39 18.94	+10 18 28.4		587
1997 BW ₄	1997 02 06.84774	08 49 10.94	+26 48 23.5	17.6 V	587	1997 CL ₁₃	1997 03 06.91221	11 39 18.30	+10 18 35.1		587
1997 BW ₄	1997 02 13.84745	08 43 30.27	+27 40 34.1		587	1997 CL ₁₃	1997 03 06.91684	11 39 18.07	+10 18 37.8		587
1997 BW ₄	1997 02 13.87465	08 43 29.03	+27 40 45.8		587	1997 CC ₂₂	1997 03 07.88582	11 04 42.98	+07 50 03.1	17.0 V	587
1997 BW ₄	1997 03 02.85463	08 34 44.61	+28 55 39.0		587	1997 CC ₂₂	1997 03 07.91238	11 04 41.23	+07 50 10.1		587
1997 BW ₄	1997 03 02.89023	08 34 43.92	+28 55 42.6		F 587	1997 CC ₂₂	1997 03 08.01839	11 04 34.41	+07 50 32.7		587
1997 CO ₅	1997 02 13.85457	08 58 10.42	+15 34 18.4		587	1997 CC ₂₂	1997 03 09.93935	11 02 32.42	+07 57 22.5		587
1997 CO ₅	1997 02 13.87969	08 58 08.42	+15 33 45.8		587	1997 CC ₂₂	1997 03 09.97928	11 02 29.87	+07 57 31.7		587
1997 CO ₅	1997 02 27.96179	08 45 21.12	+11 09 02.8		587	1997 CC ₂₂	1997 03 10.94200	11 01 29.04	+08 00 50.1		587
1997 CO ₅	1997 02 27.96874	08 45 20.92	+11 08 56.2		587	1997 CC ₂₂	1997 03 10.95752	11 01 28.06	+08 00 53.0		587
1997 CO ₅	1997 02 27.97866	08 45 20.53	+11 08 45.8		587	1997 CJ ₂₂	1997 02 27.87812	09 05 06.53	+14 18 24.7	18.5 V	587
1997 CX ₅	1997 03 02.83530	07 49 50.37	+10 43 34.3		F 587	1997 CJ ₂₂	1997 02 27.88814	09 05 06.11	+14 18 26.8		587
1997 CX ₅	1997 03 02.84224	07 49 50.29	+10 43 26.1		F 587	1997 CJ ₂₂	1997 03 10.84050	08 59 50.21	+15 07 56.0		587
1997 CZ ₅	1997 02 27.93234	05 18 57.50	+11 35 46.3		587	1997 CJ ₂₂	1997 03 10.86732	08 59 49.68	+15 08 02.3	19.0 V	587
1997 CZ ₅	1997 02 27.93616	05 18 58.07	+11 35 41.8		587	1997 CH ₂₆	1997 03 07.95655	11 05 03.19	+16 11 14.9	17.0 V	F 587
1997 CZ ₅	1997 03 02.80573	05 26 02.25	+10 42 52.2		587	1997 CH ₂₆	1997 03 07.98222	11 05 01.82	+16 11 26.5		587
1997 CZ ₅	1997 03 02.81007	05 26 02.88	+10 42 47.6		587	1997 CH ₂₆	1997 03 08.00913	11 05 00.57	+16 11 36.4		587
1997 CZ ₅	1997 03 11.81733	05 48 05.86	+08 15 10.7		587	1997 CH ₂₆	1997 03 09.93246	11 03 25.65	+16 23 14.6		587
1997 CZ ₅	1997 03 11.82146	05 48 06.47	+08 15 06.5		587	1997 CH ₂₆	1997 03 09.97095	11 03 23.76	+16 23 28.4		587
1997 CZ ₅	1997 03 11.82465	05 48 06.91	+08 15 03.8	15.6 V	587	1997 CH ₂₆	1997 03 10.92291	11 02 37.22	+16 29 02.8		587
1997 CC ₆	1997 02 10.91751	09 32 37.25	+18 41 17.4		587	1997 CH ₂₆	1997 03 10.93558	11 02 36.54	+16 29 06.9		587
1997 CC ₆	1997 02 13.89004	09 30 37.74	+19 08 31.4	17.8 V	587	1997 CK ₂₆	1997 03 07.96413	11 04 45.02	+18 05 04.7	17.0 V	F 587
1997 CC ₆	1997 02 13.91087	09 30 36.92	+19 08 42.8		587	1997 CK ₂₆	1997 03 07.98913	11 04 43.56	+18 05 09.7		587
1997 CC ₆	1997 03 07.83888	09 19 51.67	+21 40 58.8		587	1997 CK ₂₆	1997 03 08.01216	11 04 42.38	+18 05 15.7		587
1997 CC ₆	1997 03 07.87194	09 19 51.13	+21 41 08.6		587	1997 CK ₂₆	1997 03 09.92841	11 02 48.34	+18 14 04.6		587
1997 CC ₇	1997 02 10.91751	09 32 22.54	+18 40 50.4		587	1997 CK ₂₆	1997 03 09.96759	11 02 45.94	+18 14 15.6		587
1997 CC ₇	1997 02 10.95325	09 32 20.85	+18 41 04.6		587	1997 CK ₂₆	1997 03 10.91206	11 01 50.17	+18 18 17.3		587
1997 CC ₇	1997 02 13.93524	09 29 59.21	+19 00 29.6	17.5 V	587	1997 CK ₂₆	1997 03 10.92863	11 01 49.27	+18 18 22.0		587
1997 CC ₇	1997 02 14.86643	09 29 15.26	+19 06 26.0		587	1997 CU ₂₆	1997 02 27.85042	08 27 59.98	+15 39 11.2		587
1997 CC ₇	1997 02 14.88176	09 29 14.62	+19 06 31.2		587	1997 CU ₂₆	1997 02 27.92142	08 27 59.20	+15 39 12.4		587
1997 CC ₇	1997 02 27.85997	09 19 42.11	+20 20 56.6		587	1997 CU ₂₆	1997 03 02.82465	08 27 27.80	+15 40 00.9		587
1997 CC ₇	1997 02 27.87177	09 19 41.53	+20 21 00.3		587	1997 CU ₂₆	1997 03 02.88524	08 27 27.19	+15 40 02.4		587
1997 CC ₇	1997 03 10.86103	09 13 24.26	+21 08 17.9		587	1997 DF	1997 03 06.85741	08 43 24.83	+22 43 15.5		587
1997 CC ₇	1997 03 10.89583	09 13 23.23	+21 08 25.3		587	1997 DF	1997 03 06.86435	08 43 24.66	+22 43 24.8		587
1997 CD ₇	1997 02 14.87418	09 27 24.57	+17 49 36.2		587	1997 DF	1997 03 12.93844	08 44 34.09	+24 40 46.2		587
1997 CD ₇	1997 02 14.88796	09 27 23.67	+17 49 37.9		587	1997 DF	1997 03 12.94607	08 44 34.10	+24 40 54.8		587
1997 CD ₇	1997 02 14.93773	09 27 20.53	+17 49 48.2		587	1997 DG	* 1997 02 27.96179	08 44 49.04	+11 08 55.1	17.5 V	587
1997 CD ₇	1997 02 27.85555	09 15 29.42	+18 19 41.0		587	1997 DG	1997 02 27.97866	08 44 48.35	+11 08 58.0		587

1997 DG	1997 02 28.89548	08 44 09.73	+11 11 47.1	587
1997 DG	1997 02 28.96313	08 44 06.89	+11 12 00.1	587
1997 DG	1997 03 02.86211	08 42 51.33	+11 17 42.3	587
1997 DG	1997 03 02.87242	08 42 50.92	+11 17 43.9	587
1997 DG	1997 03 06.87037	08 40 31.07	+11 29 06.2	587
1997 DG	1997 03 06.93434	08 40 28.97	+11 29 17.0	587
1997 DG	1997 03 10.82507	08 38 40.44	+11 39 18.3	587
1997 DG	1997 03 10.85088	08 38 39.78	+11 39 22.5	587
1997 DG	1997 03 12.83999	08 37 54.99	+11 44 03.6	587
1997 DG	1997 03 12.86846	08 37 54.35	+11 44 07.4	587
1997 EV	1997 03 02.90697	12 02 39.84	+26 13 47.9	587
1997 EV	1997 03 02.91316	12 02 39.27	+26 13 46.1	587
1997 ES ₁₁	* 1997 03 07.95655	11 05 33.18	+16 19 51.4	17.0 V 587
1997 ES ₁₁	1997 03 07.98222	11 05 31.36	+16 19 49.7	587
1997 ES ₁₁	1997 03 08.00913	11 05 29.54	+16 19 49.0	587
1997 ES ₁₁	1997 03 09.93600	11 03 20.16	+16 17 41.0	587
1997 ES ₁₁	1997 03 09.97454	11 03 17.56	+16 17 38.9	587
1997 ES ₁₁	1997 03 10.91811	11 02 14.79	+16 16 22.1	587
1997 ES ₁₁	1997 03 10.93210	11 02 13.86	+16 16 20.7	587
1997 ES ₁₁	1997 03 12.90376	11 00 04.22	+16 13 12.2	587
1997 ES ₁₁	1997 03 12.93113	11 00 02.37	+16 13 10.4	587
1997 EU ₂₅	* 1997 03 10.90497	09 05 34.47	+12 59 44.6	18.5 V 587
1997 EU ₂₅	1997 03 10.94728	09 05 33.56	+12 59 50.2	587
1997 EU ₂₅	1997 03 12.87737	09 05 00.79	+13 03 56.5	587
1997 EU ₂₅	1997 03 12.89768	09 05 00.40	+13 03 59.7	587
(139)	1997 01 30.91954	11 16 32.04	+14 53 21.7	587
(139)	1997 01 30.94176	11 16 31.33	+14 53 23.3	587
(166)	1997 02 14.86643	09 29 07.83	+19 03 01.0	587
(166)	1997 02 14.88176	09 29 07.00	+19 03 08.5	587
(1435)	1996 12 14.80623	01 15 57.93	+04 38 40.9	587
(1435)	1996 12 14.87777	01 15 59.59	+04 38 49.7	587
(3791)	1997 02 21.88268	04 29 48.96	+23 04 58.8	587
(3791)	1997 02 21.90906	04 29 49.90	+23 05 00.8	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

1985 TN	1997 02 03.88016	09 55 09.12	+20 56 32.3	17.5 V 589
1985 TN	1997 02 03.88817	09 55 08.68	+20 56 34.6	589
1985 TN	1997 02 03.89646	09 55 08.06	+20 56 37.3	589
1994 SC	1997 02 08.05685	14 20 29.84	-15 15 44.8	18.6 V 589
1994 SC	1997 02 08.06622	14 20 30.44	-15 15 45.6	589
1994 SC	1997 02 08.07332	14 20 30.87	-15 15 48.5	589
1994 SC	1997 03 01.01941	14 37 42.10	-16 12 38.5	18.4 V 589
1994 SC	1997 03 01.03310	14 37 42.22	-16 12 38.8	589
1994 SC	1997 03 01.04228	14 37 42.65	-16 12 40.3	589
1995 OA	1997 02 03.83909	09 00 36.24	+09 39 08.4	16.6 V 589
1995 OA	1997 02 03.85587	09 00 35.12	+09 39 10.4	589
1995 OA	1997 02 03.86959	09 00 34.21	+09 39 12.3	589
1995 OA	1997 02 28.93296	08 38 13.85	+10 41 14.4	17.0 V 589

1995 OA	1997 02 28.94157	08 38 13.54	+10 41 15.1	589
1995 OA	1997 02 28.95050	08 38 13.17	+10 41 15.8	589
1995 SB ₂	1997 02 07.81301	06 55 49.01	+04 18 42.3	17.5 V 589
1995 SB ₂	1997 02 07.83667	06 55 48.38	+04 18 47.9	589
1995 SB ₂	1997 02 07.86756	06 55 47.49	+04 18 56.3	589
1997 BH ₃	1997 02 01.79081	07 52 31.17	+10 59 21.2	17.0 V 589
1997 BH ₃	1997 02 01.80110	07 52 30.69	+10 59 25.5	589
1997 BH ₃	1997 02 01.82170	07 52 29.76	+10 59 33.8	589
1997 BH ₃	1997 02 01.84229	07 52 28.78	+10 59 42.5	589
1997 BH ₃	1997 02 03.78627	07 51 05.40	+11 12 52.0	17.1 V 589
1997 BH ₃	1997 02 03.79963	07 51 04.82	+11 12 57.9	589
1997 BH ₃	1997 02 03.80993	07 51 04.39	+11 13 02.1	589
1997 BH ₃	1997 02 03.82023	07 51 03.94	+11 13 06.3	589
1997 BH ₃	1997 02 08.01134	07 48 19.30	+11 41 46.7	17.3 V 589
1997 BH ₃	1997 02 08.02282	07 48 18.88	+11 41 50.7	589
1997 BH ₃	1997 02 08.03432	07 48 18.42	+11 41 56.1	589
1997 BH ₃	1997 02 08.04534	07 48 17.98	+11 42 00.6	589
1997 BH ₃	1997 02 09.78544	07 47 17.46	+11 53 56.6	17.0 V 589
1997 BH ₃	1997 02 09.79536	07 47 17.13	+11 54 00.4	589
1997 BH ₃	1997 02 09.80222	07 47 16.87	+11 54 03.1	589
1997 BH ₃	1997 02 09.80910	07 47 16.63	+11 54 06.2	589
1997 BH ₃	1997 02 10.80227	07 46 43.87	+12 00 54.0	17.2 V 589
1997 BH ₃	1997 02 10.81698	07 46 43.39	+12 00 59.9	589
1997 BH ₃	1997 02 10.83072	07 46 42.91	+12 01 05.8	589
1997 BH ₃	1997 02 28.87451	07 41 44.65	+13 56 35.4	18.1 V 589
1997 BH ₃	1997 02 28.88538	07 41 44.59	+13 56 39.5	589
1997 BH ₃	1997 02 28.89412	07 41 44.66	+13 56 42.5	589
1997 BH ₃	1997 02 28.90666	07 41 44.60	+13 56 47.3	589

595 Farra d'Isonzo

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Measurers L. Drigo, E. Pettarin, G. Lombardi, A. Toso
0.4-m $f/4.5$ reflector + CCD
GSC

1992 AF	1997 02 09.88443	05 22 24.77	+14 19 44.5	595
1992 AF	1997 02 09.89789	05 22 24.98	+14 19 45.9	17 V 595
1992 AF	1997 02 09.91679	05 22 25.32	+14 19 47.2	595
1994 BN ₄	1997 01 29.86059	04 40 53.73	+19 52 08.3	595
1994 BN ₄	1997 01 29.87434	04 40 53.87	+19 52 08.2	595
1994 BN ₄	1997 01 29.88948	04 40 53.98	+19 52 07.5	595
1994 BN ₄	1997 02 01.77190	04 41 29.80	+19 50 22.8	595
1994 BN ₄	1997 02 01.86701	04 41 31.12	+19 50 19.7	595
1996 WE ₃	1997 01 30.88292	04 18 07.64	+18 01 06.7	595
1996 WE ₃	1997 01 30.89770	04 18 07.82	+18 01 06.8	595
1996 WE ₃	1997 01 30.91212	04 18 08.05	+18 01 07.7	595
1996 WE ₃	1997 02 01.94867	04 18 44.82	+18 02 01.9	19.0 V 595
1996 WE ₃	1997 02 01.96752	04 18 45.18	+18 02 02.4	595
1996 XJ ₂₆	1997 01 30.92133	04 23 09.83	+20 43 51.6	595
1996 XJ ₂₆	1997 02 01.85839	04 23 26.25	+20 46 16.3	19 V 595
1996 XJ ₂₆	1997 02 01.91601	04 23 26.96	+20 46 20.2	595
1997 AQ ₁₈	1997 01 30.84983	07 15 03.41	+16 42 38.8	18.6 V 595

1997 AQ ₁₈	1997 01 30.85733	07 15 02.30	+16 42 33.2		595
1997 AQ ₁₈	1997 01 30.86720	07 15 00.87	+16 42 24.9		595
1997 AQ ₁₈	1997 02 02.00889	07 10 16.14	+16 17 41.2		595
1997 AQ ₁₈	1997 02 02.01583	07 10 15.22	+16 17 36.1		595
1997 AQ ₁₈	1997 02 02.02376	07 10 14.17	+16 17 30.3		595
1997 AQ ₁₈	1997 02 02.03579	07 10 12.73	+16 17 23.7		595
1997 AQ ₁₈	1997 02 08.91478	06 58 20.92	+15 08 04.9		595
1997 AQ ₁₈	1997 02 08.93436	06 58 19.22	+15 07 55.3	18.8 V	595
1997 AQ ₁₈	1997 02 08.95330	06 58 17.56	+15 07 43.1		595
1997 BE ₂	1997 02 03.87748	07 16 21.88	+17 44 35.0	18.1 V	595
1997 BE ₂	1997 02 03.93311	07 16 20.08	+17 44 53.8		595
1997 BF ₂	1997 02 03.87084	07 41 11.24	+19 59 27.4		595
1997 BF ₂	1997 02 03.88995	07 41 10.17	+19 59 23.9		595
1997 EH ₁₁	1997 03 03.92839	07 07 05.68	+20 10 16.4		595
1997 EH ₁₁	* 1997 03 03.94706	07 07 05.56	+20 10 12.6		595
1997 EH ₁₁	1997 03 03.96562	07 07 05.47	+20 10 09.8		595
1997 EH ₁₁	1997 03 04.88324	07 07 03.76	+20 07 36.7		595
1997 EH ₁₁	1997 03 04.90036	07 07 03.71	+20 07 33.9		595
1997 EH ₁₁	1997 03 04.92177	07 07 03.71	+20 07 30.3	18.6 V	595
1997 EH ₁₁	1997 03 08.89596	07 07 11.77	+19 56 21.2		595
1997 EH ₁₁	1997 03 08.92350	07 07 11.81	+19 56 15.6		595
1997 EH ₁₁	1997 03 08.94622	07 07 11.99	+19 56 12.1		595
(6240)	1997 02 01.88610	04 18 41.42	+18 00 23.4	18.0 V	595
(6240)	1997 02 01.94867	04 18 43.21	+18 00 40.3		595

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

1997 CT ₁₆	1997 02 27.80485	10 32 07.64	+13 21 37.2	18.2 V	596
1997 CT ₁₆	1997 02 27.81515	10 32 06.98	+13 21 43.4		596
1997 CT ₁₆	1997 02 27.82544	10 32 06.30	+13 21 50.1		596
1997 CT ₁₆	1997 03 07.85037	10 23 55.28	+14 25 53.7	16.6 V	596
1997 CT ₁₆	1997 03 07.85928	10 23 54.72	+14 25 57.5		596
1997 CT ₁₆	1997 03 07.86373	10 23 54.43	+14 25 59.4		596
1997 DC	* 1997 02 17.93203	11 49 40.68	+01 39 38.0	18.0 V	596
1997 DC	1997 02 17.94979	11 49 40.05	+01 39 42.3		596
1997 DC	1997 02 17.97176	11 49 39.33	+01 39 49.0		596
1997 DC	1997 02 19.89399	11 48 35.96	+01 49 47.5		596
1997 DC	1997 02 19.91060	11 48 35.33	+01 49 52.8		596
1997 DC	1997 02 19.93126	11 48 34.47	+01 50 00.1		596
1997 DC	1997 03 04.89913	11 39 14.34	+03 12 06.9	16.8 V	596
1997 DC	1997 03 04.91620	11 39 13.47	+03 12 13.2		596
1997 DC	1997 03 04.92500	11 39 12.99	+03 12 17.1		596
1997 DC	1997 03 07.87551	11 36 41.03	+03 33 34.7	16.4 V	596
1997 DC	1997 03 07.88581	11 36 40.45	+03 33 38.8		596
1997 DM	* 1997 02 17.86475	10 42 16.92	+11 51 51.6	17.7 V	596
1997 DM	1997 02 17.90242	10 42 15.15	+11 52 06.9		596
1997 DM	1997 02 17.92127	10 42 14.32	+11 52 15.0		596
1997 DM	1997 02 28.82106	10 33 47.95	+13 02 46.2		596
1997 DM	1997 02 28.83529	10 33 47.34	+13 02 47.3		596
1997 DM	1997 02 28.87925	10 33 45.31	+13 03 05.6		596

1997 DM	1997 03 02.82719	10 32 15.04	+13 14 59.7	17.9 V	596
1997 DM	1997 03 02.84031	10 32 14.40	+13 15 04.5		596
1997 DM	1997 03 02.85477	10 32 13.74	+13 15 10.7		596
1997 DM	1997 03 07.78005	10 28 31.62	+13 43 43.1	17.9 V	596
1997 DM	1997 03 07.82512	10 28 29.62	+13 43 57.9		596
1997 DM	1997 03 07.84102	10 28 28.90	+13 44 03.5		596
1997 EV	1997 03 03.85042	12 01 11.98	+26 11 24.2	17.0 V	596
1997 EV	1997 03 03.86794	12 01 10.44	+26 11 19.9		596
1997 EV	1997 03 03.88199	12 01 09.20	+26 11 16.5		596
1997 ED ₂₃	* 1997 03 10.90251	12 22 13.10	-02 30 23.1	17.7 V	596
1997 ED ₂₃	1997 03 10.91381	12 22 12.35	-02 30 20.3		596
1997 ED ₂₃	1997 03 10.92959	12 22 11.74	-02 30 16.2		596
1997 ED ₂₃	1997 03 11.87794	12 21 27.52	-02 27 23.1		596
1997 ED ₂₃	1997 03 11.90041	12 21 26.41	-02 27 19.6		596
1997 ED ₂₃	1997 03 11.92428	12 21 25.32	-02 27 14.4		596

599 Campo Imperatore-CINEOS

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Observers A. Boattini, A. Di Paola, F. Pedichini, A. Di Muzio, V. S. Casulli,
A. Vagnozzi, T. Scacciafrotte, V. Risoldi, A. Di Clemente

Measurers A. Boattini, G. Forti, A. Di Paola, F. Pedichini

0.60-m $f/3$ Schmidt + CCD

1981 EX ₂₄	1997 01 15.76296	04 39 40.02	+20 36 52.6	18.4 V	599
1981 EX ₂₄	1997 01 16.81447	04 39 26.86	+20 37 08.6	19.0 V	599
1981 EX ₂₄	1997 01 16.86456	04 39 26.22	+20 37 09.7		599
1982 FK ₃	1997 01 15.80388	04 41 14.13	+14 36 41.4	17.2 V	599
1982 FK ₃	1997 01 15.82870	04 41 13.90	+14 36 44.9		599
1988 RA ₁₁	1997 01 16.88027	08 00 37.06	+20 15 52.8	17.4 V	599
1988 RA ₁₁	1997 01 16.89086	08 00 36.64	+20 15 54.4		599
1989 SS ₂	1997 01 15.80388	04 39 43.17	+14 40 18.8	19.3 V	599
1989 SS ₂	1997 01 15.82870	04 39 42.55	+14 40 23.4		599
1991 BH ₂	1997 01 18.13125	13 02 21.21	-10 53 54.9	19.1 V	599
1991 BH ₂	1997 01 18.15347	13 02 21.76	-10 54 03.9		599
1991 PY ₂	1997 01 16.97662	08 16 07.78	+27 41 44.9	16.4 V	599
1991 PY ₂	1997 01 17.00150	08 16 05.94	+27 41 42.3		599
1992 BF ₄	1997 01 15.91678	09 26 53.60	+18 45 58.3	18.1 V	599
1992 BF ₄	1997 01 15.94884	09 26 52.19	+18 46 05.5		599
1992 BF ₄	1997 01 15.96544	09 26 51.46	+18 46 09.8		599
1994 BN ₄	1997 01 15.76296	04 41 44.94	+20 11 17.6	18.0 V	599
1994 BN ₄	1997 01 16.81447	04 41 27.62	+20 09 13.3	18.0 V	599
1994 BN ₄	1997 01 16.86456	04 41 26.78	+20 09 07.4		599
1994 RB ₁	1997 01 17.21267	13 41 35.71	-15 47 12.1	19.1 V	599
1995 OB ₁	1997 01 14.75382	05 57 20.63	+24 41 34.3	20.1 V	599
1995 OB ₁	1997 01 14.76250	05 57 20.33	+24 41 32.8		599
1996 SD ₇	1997 01 16.77535	00 33 13.35	+07 38 26.4	19.2 V	599
1996 SD ₇	1997 01 16.78727	00 33 14.58	+07 38 34.8		599
1996 XC ₁	1997 01 15.76736	04 40 42.81	+19 15 48.8	19.6 V	599
1996 XC ₁	1997 01 15.81632	04 40 41.89	+19 15 48.6		599
1996 XU ₃₀	1997 01 15.77731	04 41 30.14	+15 15 13.9	18.4 V	599
1996 XU ₃₀	1997 01 15.82626	04 41 29.66	+15 15 07.6		599
1997 EV	* 1997 03 01.01382	12 05 33.38	+26 17 50.1	18.8 V	599
1997 EV	1997 03 01.03824	12 05 31.02	+26 17 46.5	18.3 V	599

1997 EV	1997 03 01.05582	12 05 29.40	+26 17 44.9	18.3 V	599
1997 EZ ₅	1997 01 17.07595	11 12 55.50	+04 00 14.6	18.9 V	599
1997 EZ ₅	1997 01 17.09248	11 12 55.39	+04 00 14.8		599
1285 T-1	1997 01 16.88027	07 57 58.02	+19 46 50.4	18.0 V	599
1285 T-1	1997 01 16.89086	07 57 57.33	+19 46 51.8		599
2097 T-2	1997 01 16.98009	08 18 35.01	+29 15 49.2	17.4 V	599
2097 T-2	1997 01 17.00480	08 18 33.26	+29 15 51.4		599
(125)	1997 01 15.89711	07 46 20.35	+15 28 00.1	13.3 V	599
(125)	1997 01 15.90660	07 46 19.80	+15 28 00.5		599
(125)	1997 01 16.91060	07 45 24.08	+15 31 17.3	13.5 V	599
(125)	1997 01 16.93588	07 45 22.64	+15 31 22.7		599
(1992)	1997 01 17.01334	08 22 25.05	+05 46 54.9	18.7 V	599
(1992)	1997 01 17.04757	08 22 23.38	+05 47 02.3		599
(2165)	1997 01 15.84770	05 57 03.81	+24 49 22.8	16.9 V	599
(2346)	1997 01 17.21267	13 42 14.22	-16 12 48.4	18.2 V	599
(2740)	1997 01 17.01334	08 24 17.06	+05 58 42.6	17.3 V	599
(2740)	1997 01 17.04757	08 24 15.37	+05 58 48.1		599
(2741)	1997 02 10.76084	03 09 28.57	+06 48 02.1	17.6 V	599
(2741)	1997 02 10.76903	03 09 28.86	+06 48 04.4		599
(2988)	1997 01 15.77472	04 40 57.37	+16 23 52.1	16.3 V	599
(2988)	1997 01 15.79913	04 40 56.68	+16 23 58.8		599
(3124)	1997 01 17.07595	11 12 44.11	+03 48 55.3	18.5 V	599
(3124)	1997 01 17.09248	11 12 43.97	+03 48 57.4		599
(3124)	1997 01 18.10139	11 12 34.63	+03 51 13.9	17.7 V	599
(3124)	1997 01 18.11343	11 12 34.51	+03 51 15.4		599
(3186)	1997 01 16.88027	07 58 22.94	+19 43 10.7	17.6 V	599
(3186)	1997 01 16.89086	07 58 22.39	+19 43 12.1		599
(3863)	1997 02 10.77966	03 12 17.06	+07 29 55.4	17.7 V	599
(3863)	1997 02 10.78829	03 12 17.61	+07 29 59.3		599
(4119)	1997 02 10.77966	03 14 49.15	+07 30 29.1	17.2 V	599
(4119)	1997 02 10.78829	03 14 49.47	+07 30 32.9		599
(4986)	1997 01 17.83206	08 06 09.22	+09 27 32.4	16.5 V	599
(4986)	1997 01 17.85428	08 06 07.94	+09 27 35.5		599
(5134)	1997 01 18.02894	10 02 05.72	+21 05 12.9	15.9 V	599
(5134)	1997 01 18.04015	10 02 05.32	+21 05 17.4		599
(5309)	1997 01 17.78935	06 23 41.23	+17 02 13.1	19.3 V	599
(5309)	1997 01 17.80000	06 23 40.63	+17 02 13.5		599
(5417)	1997 01 17.07595	11 15 44.99	+03 24 48.0	18.7 V	599
(5417)	1997 01 17.09248	11 15 44.81	+03 24 48.2		599
(5973)	1997 01 15.76736	04 41 05.75	+19 18 01.5	18.0 V	599
(5973)	1997 01 15.81632	04 41 04.57	+19 17 59.4		599
(5990)	1997 01 16.98009	08 17 36.69	+28 58 37.6	16.0 V	599
(5990)	1997 01 17.00480	08 17 34.78	+28 58 40.0	15.9 V	599
(6060)	1997 01 17.07595	11 13 19.30	+03 58 47.1	18.5 V	599
(6060)	1997 01 17.09248	11 13 19.20	+03 58 50.2		599
(6060)	1997 01 18.10139	11 13 12.77	+04 02 15.9	17.9 V	599
(6060)	1997 01 18.11343	11 13 12.67	+04 02 18.4		599
(6622)	1997 01 15.76296	04 38 55.19	+20 02 21.2	18.8 V	599

605 Marl

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 0.2-m $f/10$ Schmidt-Cassegrain + CCD
 GSC

(2091)	1997 03 06.83270	05 41 12.95	+21 18 41.9	15.7 R	605
(2091)	1997 03 06.85067	05 41 13.72	+21 18 46.3	15.6 R	605
(2091)	1997 03 06.85951	05 41 14.03	+21 18 48.0	15.6 R	605

608 Haleakala-AMOS

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Observers A. Alday, K. Moore, M. Tranilla, T. Goggia, A. Sylva
 Measurers J. Africano, P. Sydney, D. Nishimoto, A. Angara, B. McCartney, D. O'Connell, P. Kervin, B. Kraszewski, V. Soo Hoo

1.2-m reflector + CCD

1987 OA	1997 02 14.49730	13 57 01.37	-22 26 12.5	18.8 R	608
1987 OA	1997 02 14.53317	13 56 54.15	-22 24 54.5	19.5 R	608
1987 OA	1997 02 15.48484	13 53 49.35	-21 49 25.7	19.2 R	608
1987 OA	1997 02 15.51603	13 53 42.99	-21 48 16.5	19.7 R	608
1987 OA	1997 02 17.47012	13 47 19.14	-20 34 07.9	19.7 R	608
1987 OA	1997 02 17.48963	13 47 15.16	-20 33 23.0	19.6 R	608
1991 CS	1997 02 14.48540	12 48 01.67	-13 26 11.4	17.0 R	608
1991 CS	1997 02 14.49480	12 48 01.69	-13 24 52.4	17.0 R	608
1991 CS	1997 02 15.47082	12 48 15.72	-11 06 36.7	16.3 R	608
1991 CS	1997 02 15.47468	12 48 15.77	-11 06 03.1	16.5 R	608
1991 CS	1997 02 17.45884	12 48 31.46	-06 09 08.2	16.2 R	608
1991 CS	1997 02 17.46043	12 48 31.46	-06 08 53.1	16.2 R	608
1991 RW	1997 02 20.45086	11 43 04.99	+01 45 20.9	19.3 R	608
1991 RW	1997 02 20.47444	11 43 04.05	+01 45 38.5	19.3 R	608
1991 RW	1997 02 21.46194	11 42 25.92	+01 57 53.1	18.6 R	608
1991 RW	1997 02 21.48502	11 42 24.95	+01 58 10.3	18.6 R	608
1991 VH	1997 02 12.46157	12 13 11.80	+11 24 42.5	16.3 R	608
1991 VH	1997 02 12.49371	12 13 11.15	+11 26 06.8	16.3 R	608
1991 VH	1997 02 14.47303	12 12 39.54	+12 53 36.7	15.9 R	608
1991 VH	1997 02 14.50775	12 12 38.50	+12 55 10.2	15.9 R	608
1991 VH	1997 02 15.46413	12 12 17.60	+13 38 35.7	16.1 R	608
1991 VH	1997 02 15.49385	12 12 16.59	+13 39 57.5	16.1 R	608
1991 VH	1997 02 17.44954	12 11 21.32	+15 10 38.3	16.1 R	608
1991 VH	1997 02 17.47674	12 11 20.19	+15 11 55.5	16.0 R	608
1992 CC ₁	1997 02 13.49385	12 33 20.55	+03 17 53.2	17.1 R	608
1992 CC ₁	1997 02 13.54234	12 33 14.71	+03 17 26.3	16.8 R	608
1993 FL ₁₉	1997 02 12.45487	11 13 39.78	+04 03 22.2	20.1 R	608
1993 FL ₁₉	1997 02 12.48621	11 13 38.62	+04 03 36.7	20.0 R	608
1993 FL ₁₉	1997 02 13.47551	11 13 03.05	+04 11 16.2	19.1 R	608
1993 FL ₁₉	1997 02 13.52500	11 13 01.05	+04 11 38.8	19.6 R	608
1993 OD	1997 02 20.45722	08 45 09.58	+01 17 11.2	16.3 R	608
1993 OD	1997 02 20.47220	08 45 08.30	+01 17 05.8	16.2 R	608
1993 OD	1997 02 22.44605	08 42 32.49	+01 05 48.2	16.4 R	608
1993 OD	1997 02 22.46388	08 42 31.18	+01 05 42.4	16.5 R	608
1994 QC	1997 02 17.44719	14 21 58.95	-08 41 59.3	19.9 R	608
1994 QC	1997 02 17.48659	14 22 05.26	-08 41 26.5	18.8 R	608
1994 QC	1997 02 18.45106	14 24 43.65	-08 27 23.3	19.6 R	608
1994 QC	1997 02 18.47439	14 24 47.60	-08 27 01.6	19.4 R	608
1995 VL ₂	1997 02 13.45606	13 00 00.60	-11 50 59.8	18.3 R	608
1995 VL ₂	1997 02 13.50185	13 00 00.08	-11 51 05.0	18.9 R	608

1995 VL ₂	1997 02 22.43905	12 58 07.30	-11 55 16.9	18.2 R	608
1995 VL ₂	1997 02 22.46135	12 58 06.84	-11 55 17.4	18.0 R	608
1995 XW	1997 02 10.45434	13 40 01.79	+07 50 23.2	18.0 R	608
1995 XW	1997 02 10.54996	13 40 02.74	+07 50 34.6	18.4 R	608
1995 XW	1997 02 13.45985	13 40 27.65	+07 57 16.5	18.4 R	608
1995 XW	1997 02 13.50612	13 40 27.88	+07 57 23.6	18.5 R	608
1995 XX	1997 02 13.48020	11 45 50.12	+12 27 05.7	17.8 R	608
1995 XX	1997 02 13.52924	11 45 48.40	+12 27 15.6	18.3 R	608
1996 FG ₃	1997 02 18.42503	10 11 00.34	+07 43 55.6	17.0 R	608
1996 FG ₃	1997 02 18.45635	10 10 54.44	+07 44 17.7	17.1 R	608
1996 FG ₃	1997 02 20.46648	10 04 57.41	+08 10 47.2	17.2 R	608
1996 FG ₃	1997 02 20.48104	10 04 54.68	+08 10 58.8	17.3 R	608
1997 CL ₂₉	* 1997 02 12.45487	11 13 24.54	+04 08 42.0	18.8 R	608
1997 CL ₂₉	1997 02 12.48621	11 13 23.36	+04 08 58.1	18.8 R	608
1997 CL ₂₉	1997 02 13.47551	11 12 46.91	+04 17 35.8	18.0 R	608
1997 CL ₂₉	1997 02 13.52500	11 12 45.00	+04 18 01.4	18.4 R	608
(1864)	1997 02 19.44880	10 26 07.31	+36 33 04.8	18.0 R	608
(1864)	1997 02 19.48282	10 26 02.72	+36 33 12.6	17.8 R	608
(1864)	1997 02 20.46945	10 23 52.93	+36 36 48.8	17.9 R	608
(1864)	1997 02 20.48374	10 23 51.01	+36 36 51.7	18.0 R	608
(1866)	1997 02 15.44575	13 39 50.54	+55 33 12.4	16.5 R	608
(1866)	1997 02 15.49177	13 39 48.25	+55 33 52.6	16.5 R	608
(1866)	1997 02 22.45494	13 32 21.91	+57 09 21.1	16.7 R	608
(1866)	1997 02 22.47395	13 32 20.42	+57 09 36.0	16.8 R	608
(1916)	1997 02 15.46135	12 01 16.36	-03 29 43.8	18.6 R	608
(1916)	1997 02 15.48826	12 01 15.18	-03 29 43.3	19.0 R	608
(1916)	1997 02 19.45863	11 58 13.53	-03 26 56.3	20.0 R	608
(1916)	1997 02 19.48711	11 58 12.10	-03 26 55.3	19.7 R	608
(1917)	1997 02 14.48171	12 31 47.22	-10 34 30.5	19.6 R	608
(1917)	1997 02 14.51898	12 31 45.95	-10 34 15.9	19.7 R	608
(1917)	1997 02 19.47692	12 28 48.41	-09 59 01.9	19.1 R	608
(1917)	1997 02 19.50889	12 28 47.08	-09 58 47.0	19.3 R	608
(3122)	1997 02 22.44810	08 42 47.37	+31 28 01.1	16.4 R	608
(3122)	1997 02 22.46541	08 42 45.78	+31 27 49.2	16.2 R	608
(4954)	1997 02 15.46936	12 52 08.13	-02 27 45.7	16.0 R	608
(4954)	1997 02 15.50957	12 52 05.87	-02 27 52.0	16.1 R	608
(4954)	1997 02 20.45284	12 47 07.08	-02 36 17.6	15.9 R	608
(4954)	1997 02 20.47650	12 47 05.55	-02 36 20.0	15.9 R	608
(5145)	1997 02 14.44391	13 22 06.95	+17 59 45.4	17.6 R	608
(5145)	1997 02 14.51500	13 22 06.58	+17 59 56.0	17.6 R	608
(5145)	1997 02 15.44188	13 22 01.82	+18 02 14.0	17.5 R	608
(5145)	1997 02 15.50467	13 22 01.48	+18 02 23.5	17.7 R	608

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

GSC

1987 QF ₃	1997 02 09.93203	09 26 45.08	+15 45 40.6		610
1987 QF ₃	1997 02 09.94958	09 26 44.07	+15 45 47.7		610
1987 QF ₃	1997 02 09.96368	09 26 43.25	+15 45 53.4		610
1997 BG ₈	1997 02 14.88819	09 17 13.82	+16 18 18.9	17.1 V	610
1997 BG ₈	1997 02 14.89921	09 17 13.05	+16 18 21.5		610

1997 BG ₈	1997 02 14.90916	09 17 12.36	+16 18 23.9		610
1997 BG ₈	1997 02 16.82363	09 15 02.80	+16 24 22.7		610
1997 BG ₈	1997 02 16.83852	09 15 01.74	+16 24 26.0		610
1997 BG ₈	1997 02 16.84201	09 15 01.55	+16 24 26.7		610
1997 BG ₈	1997 03 01.88149	09 02 03.21	+16 55 49.0	17.2 V	610
1997 BG ₈	1997 03 01.88857	09 02 02.82	+16 55 49.8		610
1997 BG ₈	1997 03 01.90154	09 02 02.10	+16 55 51.2		610
1997 CP ₁₃	1997 02 09.93765	09 24 50.87	+15 16 32.7		610
1997 CP ₁₃	1997 02 09.95423	09 24 49.83	+15 16 37.0		610
1997 CP ₁₃	1997 02 09.96826	09 24 48.95	+15 16 40.6		610
1997 CP ₁₃	1997 02 09.98429	09 24 47.95	+15 16 44.6		610
1997 CP ₁₃	1997 02 14.93188	09 19 51.80	+15 36 00.4		610
1997 CP ₁₃	1997 02 14.93456	09 19 51.64	+15 36 01.0		610
1997 CP ₁₃	1997 02 14.94949	09 19 50.76	+15 36 04.4		610
1997 CP ₁₃	1997 02 16.95104	09 17 54.32	+15 43 28.7	17.6 V	610
1997 CP ₁₃	1997 02 16.95802	09 17 53.89	+15 43 29.8		610
1997 CP ₁₃	1997 02 16.96551	09 17 53.45	+15 43 32.2		610
1997 CP ₁₃	1997 03 01.91513	09 06 56.40	+16 23 04.7	17.8 V	610
1997 CP ₁₃	1997 03 01.92795	09 06 55.83	+16 23 06.5		610
1997 CP ₁₃	1997 03 01.93551	09 06 55.50	+16 23 07.6		610
1997 CX ₂₇	1997 02 01.00909	09 34 00.14	+14 42 00.6	17.2 V	610
1997 CX ₂₇	1997 02 01.02236	09 33 59.50	+14 42 05.6		610
1997 CX ₂₇	1997 02 01.03657	09 33 58.80	+14 42 11.1		610
1997 ER ₁₁	* 1997 03 08.85237	11 12 05.75	+05 55 32.2	17.5 V	610
1997 ER ₁₁	1997 03 08.86786	11 12 04.88	+05 55 37.3		610
1997 ER ₁₁	1997 03 08.88906	11 12 03.69	+05 55 44.2		610
1997 ER ₁₁	1997 03 09.90262	11 11 03.78	+06 01 06.1		610
1997 ER ₁₁	1997 03 09.91288	11 11 03.13	+06 01 09.4		610
1997 ER ₁₁	1997 03 09.92259	11 11 02.53	+06 01 12.7		610
1997 ER ₁₁	1997 03 09.93460	11 11 01.79	+06 01 16.4		610
1997 ER ₁₁	1997 03 10.88971	11 10 05.55	+06 06 18.7		610
1997 ER ₁₁	1997 03 10.90500	11 10 04.59	+06 06 23.8		610
1997 ER ₁₁	1997 03 10.92498	11 10 03.34	+06 06 30.4		610
1997 ER ₁₁	1997 03 11.91855	11 09 04.87	+06 11 42.1		610
1997 ER ₁₁	1997 03 11.93523	11 09 03.78	+06 11 48.0		610
1997 ER ₁₁	1997 03 11.94507	11 09 03.13	+06 11 51.5		610
1997 ER ₁₁	1997 03 12.90391	11 08 07.01	+06 16 51.3		610
1997 ER ₁₁	1997 03 12.91115	11 08 06.49	+06 16 54.0		610
1997 ER ₁₁	1997 03 12.91847	11 08 05.96	+06 16 56.8		610
1997 EE ₁₈	* 1997 03 10.00247	11 39 39.63	+02 56 02.4		610
1997 EE ₁₈	1997 03 10.01156	11 39 39.19	+02 56 05.0		610
1997 EE ₁₈	1997 03 10.03712	11 39 37.94	+02 56 12.4		610
1997 EE ₁₈	1997 03 10.96096	11 38 55.93	+03 00 55.5	16.8 V	610
1997 EE ₁₈	1997 03 10.97144	11 38 55.42	+03 00 58.7		610
1997 EE ₁₈	1997 03 10.97817	11 38 55.10	+03 01 00.7		610
1997 EE ₁₈	1997 03 11.95228	11 38 10.49	+03 05 59.3		610
1997 EE ₁₈	1997 03 11.96323	11 38 09.99	+03 06 03.1		610
1997 EE ₁₈	1997 03 11.97334	11 38 09.54	+03 06 06.7		610
1997 EE ₁₈	1997 03 12.93789	11 37 25.14	+03 11 02.6		610
1997 EE ₁₈	1997 03 12.94660	11 37 24.72	+03 11 05.3		610
1997 EE ₁₈	1997 03 12.95951	11 37 24.11	+03 11 09.2		610
2256 T-2	1997 02 09.90360	08 19 07.31	+19 27 09.0		610

2256 T-2	1997 02 09.90960	08 19 07.03	+19 27 09.7	610	(5487)	1997 03 11.94507	11 08 45.17	+06 05 44.9	610
2256 T-2	1997 02 09.92125	08 19 06.47	+19 27 11.2	610	(6592)	1997 02 16.99706	10 02 46.92	+12 09 34.8	16.1 V 610
(148)	1997 01 28.93678	08 37 12.46	+06 43 10.2	11.3 V 610	(6592)	1997 02 17.00677	10 02 46.33	+12 09 36.8	610
(148)	1997 01 28.94535	08 37 12.00	+06 43 16.7	610	(7437)	1997 01 28.90775	07 51 01.21	+20 01 38.5	16.8 V 610
(148)	1997 01 28.95069	08 37 11.71	+06 43 20.8	610	(7437)	1997 01 28.91354	07 51 00.86	+20 01 40.6	610
(148)	1997 01 31.97557	08 34 32.94	+07 21 55.3	610	(7437)	1997 01 28.91789	07 51 00.61	+20 01 42.2	610
(148)	1997 01 31.98049	08 34 32.67	+07 21 59.1	610					
(148)	1997 01 31.98463	08 34 32.43	+07 22 02.3	610					
(148)	1997 02 16.78189	08 22 09.01	+10 46 20.9	610					
(148)	1997 02 16.78756	08 22 08.79	+10 46 25.1	610					
(148)	1997 02 16.79036	08 22 08.69	+10 46 27.2	610					
(317)	1997 02 17.01862	10 35 16.40	+09 01 14.5	13.2 V 610					
(317)	1997 02 17.02413	10 35 16.08	+09 01 16.6	610					
(317)	1997 02 17.02925	10 35 15.79	+09 01 18.5	610					
(704)	1997 01 27.77053	03 27 43.78	+27 59 54.7	11.2 V 610					
(704)	1997 01 27.77943	03 27 44.10	+27 59 51.8	610					
(704)	1997 01 27.78733	03 27 44.38	+27 59 49.3	610					
(704)	1997 01 28.76862	03 28 21.71	+27 54 35.6	610					
(704)	1997 01 28.77580	03 28 21.97	+27 54 33.4	610					
(704)	1997 01 28.78073	03 28 22.15	+27 54 31.9	610					
(1145)	1997 02 01.05135	10 30 50.21	+13 13 35.8	14.6 V 610					
(1145)	1997 02 01.06475	10 30 49.53	+13 13 38.2	610					
(1627)	1997 02 07.83924	08 20 57.46	+18 30 43.5	16.5 V 610					
(1627)	1997 02 07.85526	08 20 56.26	+18 30 50.4	610					
(1627)	1997 02 07.87710	08 20 54.62	+18 30 59.7	610					
(2411)	1997 02 07.83502	08 21 26.93	+19 24 28.3	15.8 V 610					
(2411)	1997 02 07.85176	08 21 25.86	+19 24 33.0	610					
(2411)	1997 02 07.87336	08 21 24.48	+19 24 39.1	610					
(2411)	1997 02 09.90360	08 19 21.55	+19 33 03.4	610					
(2411)	1997 02 09.90960	08 19 21.17	+19 33 04.8	610					
(2411)	1997 02 09.92125	08 19 20.43	+19 33 07.7	610					
(2411)	1997 02 10.78634	08 18 29.85	+19 36 34.6	610					
(2411)	1997 02 10.83096	08 18 27.13	+19 36 45.7	610					
(2411)	1997 02 10.85382	08 18 25.74	+19 36 51.4	610					
(3131)	1997 02 01.05494	10 32 08.92	+13 00 26.6	16.6 V 610					
(3131)	1997 02 01.06755	10 32 08.43	+13 00 29.8	610					
(3401)	1997 02 21.92319	08 37 39.98	+20 05 52.5	14.7 V 610					
(3401)	1997 02 21.92735	08 37 39.73	+20 05 48.1	610					
(3401)	1997 02 21.93440	08 37 39.31	+20 05 40.8	610					
(3742)	1997 02 07.84494	08 21 10.11	+16 46 11.6	16.1 V 610					
(3742)	1997 02 07.85873	08 21 09.32	+16 46 15.0	610					
(3742)	1997 02 07.87990	08 21 08.12	+16 46 20.4	610					
(4303)	1997 02 01.04367	10 30 47.44	+13 37 09.5	16.9 V 610					
(4303)	1997 02 01.05817	10 30 46.68	+13 37 14.0	610					
(5487)	1997 03 08.85237	11 11 47.68	+05 50 58.7	610					
(5487)	1997 03 08.86786	11 11 46.78	+05 51 03.3	610					
(5487)	1997 03 08.88906	11 11 45.54	+05 51 09.6	610					
(5487)	1997 03 09.91288	11 10 45.00	+05 56 03.7	610					
(5487)	1997 03 09.95527	11 10 42.40	+05 56 16.9	610					
(5487)	1997 03 09.96223	11 10 41.97	+05 56 19.1	610					
(5487)	1997 03 11.91855	11 08 46.78	+06 05 38.4	610					
(5487)	1997 03 11.93523	11 08 45.77	+06 05 42.5	610					

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0.20-m *f*/6 reflector + CCD

GSC

1997 EG ₁₈	* 1997 03 10.89200	11 20 30.07	+12 55 04.7	17.8	617
1997 EG ₁₈	1997 03 10.90716	11 20 29.34	+12 55 12.6	17.5	617
1997 EG ₁₈	1997 03 10.92230	11 20 28.58	+12 55 20.3	17.8	617
1997 EG ₁₈	1997 03 11.90992	11 19 36.96	+13 03 42.5	17.5	617
1997 EG ₁₈	1997 03 11.91890	11 19 36.59	+13 03 46.9	17.7	617
1997 EG ₁₈	1997 03 11.93066	11 19 35.93	+13 03 52.4	17.7	617
1997 EG ₁₈	1997 03 12.93918	11 18 43.42	+13 12 15.7	17.3	617
1997 EG ₁₈	1997 03 12.94603	11 18 43.06	+13 12 19.5	17.5	617
(6820)	1997 03 10.93865	12 24 58.34	-01 33 25.4	17.4	617
(6820)	1997 03 10.95510	12 24 57.65	-01 33 20.4	17.4	617

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0.2-m Schmidt-Cassegrain + CCD

GSC

(346)	1997 03 06.05442	11 32 08.28	+16 39 39.8	11.0 V	628
(346)	1997 03 06.09748	11 32 06.10	+16 39 55.4	11.0 V	628
(1664)	1997 03 06.02456	11 38 19.17	+14 33 41.1	14.0 V	628
(1664)	1997 03 06.06623	11 38 16.73	+14 33 47.9	13.6 V	628
(1664)	1997 03 06.87595	11 37 31.76	+14 35 59.6	13.6 V	628
(1664)	1997 03 06.91762	11 37 29.32	+14 36 06.6	13.8 V	628
(1664)	1997 03 09.98971	11 34 33.92	+14 43 20.1	13.9 V	628
(1664)	1997 03 10.03207	11 34 31.35	+14 43 25.3	13.5 V	628

629 JATE Observatory, Szeged

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Observers K. Sárneczky, L. Kiss, D. Simon

Measurers K. Sárneczky, L. Kiss

0.28-m Schmidt-Cassegrain + CCD

GSC

(481)	1997 02 17.78943	05 41 26.79	+31 56 27.8	13.2	629
(481)	1997 02 17.79141	05 41 26.85	+31 56 28.0		629
(481)	1997 02 17.81653	05 41 27.47	+31 56 27.2		629
(481)	1997 02 17.82050	05 41 27.58	+31 56 26.7	13.1	629
(481)	1997 02 17.84442	05 41 28.23	+31 56 26.6		629
(481)	1997 02 17.84940	05 41 28.29	+31 56 27.1	13.3	629
(541)	1997 02 18.11909	11 22 50.51	-05 27 21.7	14.5	629
(541)	1997 02 18.12112	11 22 50.43	-05 27 21.7		629
(541)	1997 02 18.13934	11 22 49.65	-05 27 18.4	14.8	629
(908)	1997 02 17.80462	05 45 22.88	+31 55 53.7	14.9	629
(908)	1997 02 17.81259	05 45 23.19	+31 55 54.5		629

(908)	1997 02 17.85458	05 45 24.43	+31 56 02.2	14.9	629
(3103)	1997 02 17.88796	09 45 00.74	+30 46 26.9	15.5	629
(3103)	1997 02 17.88914	09 45 00.54	+30 46 28.6	15.3	629
(3103)	1997 02 17.89277	09 45 00.18	+30 46 34.9	15.5	629
(3103)	1997 02 17.89659	09 44 59.74	+30 46 41.1	15.7	629
(3199)	1997 02 17.91774	10 13 24.18	+33 52 03.0	15.7	629
(3199)	1997 02 17.93299	10 13 20.62	+33 51 40.8	16.0	629
(3199)	1997 02 17.93951	10 13 19.33	+33 51 29.9	16.1	629
(3199)	1997 02 17.94148	10 13 18.92	+33 51 27.0	16.0	629
(3199)	1997 02 17.94751	10 13 17.55	+33 51 16.8	16.0	629
(3908)	1996 10 19.99271	22 35 10.91	+23 20 49.1	13.1	p 629
(3908)	1996 10 19.99391	22 35 11.53	+23 20 54.5	13.0	p 629
(3908)	1996 10 19.99494	22 35 12.09	+23 20 59.8	12.9	p 629
(3908)	1996 10 19.99594	22 35 12.61	+23 21 03.1	12.9	p 629
(3908)	1996 10 19.99858	22 35 14.11	+23 21 14.7	13.1	p 629
(3908)	1996 10 19.99973	22 35 14.67	+23 21 19.6	13.1	p 629
(3908)	1996 10 20.00068	22 35 15.20	+23 21 23.7	13.0	p 629
(3908)	1996 10 20.00196	22 35 15.88	+23 21 29.5	13.1	p 629
(3908)	1996 10 20.00397	22 35 17.03	+23 21 38.3	12.8	p 629
(4197)	1996 10 20.07311	01 15 11.75	+50 25 13.4	12.6	629
(4197)	1996 10 20.07559	01 15 09.52	+50 25 54.2	12.5	629
(4197)	1996 10 20.08236	01 15 03.49	+50 27 46.4	12.0	629
(4197)	1996 10 20.08436	01 15 01.76	+50 28 19.9	11.8	629
(4197)	1996 10 20.08707	01 14 59.29	+50 29 04.8	11.8	629
(4954)	1997 02 18.19134	12 49 30.22	-02 32 59.2	15.8	629
(4954)	1997 02 18.19418	12 49 30.05	-02 32 59.5	15.8	629
(4954)	1997 02 18.19696	12 49 29.87	-02 32 59.8	15.6	629

630 Osenbach

C. Demeautis, 9 Rue de Huningue, F-68300 Saint-Louis, France

[Sky.Walker@Wanadoo.fr]

Observers C. Demeautis, D. Matter

Measurer C. Demeautis

0.30-m $f/6$ reflector + CCD

GSC

1997 DQ 1997 03 08.08451 10 41 10.41 +14 13 37.0 18.2 630

631 Hamburg-Georgswerder

M. Buck, Niedergeorgswerder Deich 96a, D-21109 Hamburg, Germany

[th.buck@hamburg.netsurf.de]

0.15-m $f/8$ refractor + CCD

GSC

(290)	1997 03 06.81794	09 17 18.73	+47 08 13.1	13.4 R	631
(290)	1997 03 06.93032	09 17 12.92	+47 05 31.8	13.7 R	631
(529)	1997 02 05.76906	04 16 19.23	+26 08 02.4		631
(529)	1997 03 04.80306	04 35 42.36	+27 15 19.3		631
(529)	1997 03 04.89593	04 35 47.86	+27 15 34.0		631
(529)	1997 03 06.78799	04 37 41.99	+27 20 33.2	15.1 R	631
(529)	1997 03 06.89745	04 37 48.70	+27 20 50.4	15.0 R	631
(770)	1997 03 06.79370	06 52 19.75	+29 13 05.9	13.5 R	631
(770)	1997 03 06.91935	06 52 25.32	+29 12 39.6	13.6 R	631
(916)	1997 03 06.83126	10 02 18.84	+10 21 51.9	15.3 R	631
(916)	1997 03 06.94096	10 02 12.31	+10 22 04.6	15.3 R	631

(1627)	1997 03 09.81104	07 55 25.01	+21 06 19.9	16.8 R	631
(1627)	1997 03 09.90510	07 55 22.65	+21 06 38.8	16.9 R	631
(1627)	1997 03 10.81976	07 55 02.24	+21 09 38.2	16.6 R	631
(1627)	1997 03 10.87727	07 55 00.94	+21 09 49.7	17.3 R	631
(2204)	1997 03 09.79681	07 03 33.54	+08 19 28.7	14.7 R	631
(2204)	1997 03 09.89447	07 03 41.94	+08 21 25.6	14.0 R	631
(2204)	1997 03 10.80590	07 05 03.88	+08 39 32.8	14.2 R	631
(2204)	1997 03 10.86687	07 05 09.24	+08 40 44.8	13.9 R	631
(3103)	1997 03 09.83720	09 20 34.93	+36 22 40.2	15.9 R	631
(3103)	1997 03 09.92471	09 20 31.18	+36 23 20.9	16.1 R	631
(3103)	1997 03 10.85426	09 19 57.60	+36 30 09.7	16.4 R	631
(3103)	1997 03 10.90330	09 19 55.69	+36 30 30.9	17.0 R	631
(3875)	1997 03 09.81104	07 55 21.45	+21 07 24.6	17.8 R	631
(3875)	1997 03 09.90510	07 55 20.27	+21 07 37.6	17.4 R	631
(3875)	1997 03 10.81976	07 55 11.11	+21 09 38.9	16.9 R	631
(3875)	1997 03 10.87727	07 55 10.46	+21 09 45.9	17.2 R	631

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

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

1.82-m Plaskett telescope + CCD

GSC

1991 VH	1997 02 22.46847	12 07 43.86	+19 12 01.2		658
1991 VH	1997 02 22.47057	12 07 43.73	+19 12 07.2		658
1991 VH	1997 02 22.48227	12 07 43.01	+19 12 41.3		658
1992 CC ₁	1997 02 22.49390	12 13 21.39	+01 55 02.5		658
1992 CC ₁	1997 02 22.49964	12 13 20.48	+01 54 58.9		658
1992 CC ₁	1997 02 22.50583	12 13 19.59	+01 54 55.4		658
1993 KH	1997 02 23.45267	13 58 32.08	+12 10 25.2	21	658
1993 KH	1997 02 23.45650	13 58 32.06	+12 10 28.1		658
1993 KH	1997 02 23.45903	13 58 31.99	+12 10 29.4		658
1994 VR ₆	1997 02 24.44341	12 51 11.15	+33 26 54.4	19.5 R	658
1994 VR ₆	1997 02 24.44515	12 51 11.11	+33 26 54.7		658
1994 VR ₆	1997 02 24.45034	12 51 10.89	+33 26 56.7		658
1994 VR ₆	1997 02 24.45729	12 51 10.57	+33 26 59.8		658
1995 YV ₃	1997 02 24.46845	14 39 26.54	+21 25 17.9	20.2 R	658
1995 YV ₃	1997 02 24.47470	14 39 26.49	+21 25 21.1	20.2 R	658
1995 YV ₃	1997 02 24.48406	14 39 26.44	+21 25 26.1	20.2 R	658
1996 UK	1997 02 23.12963	03 38 17.24	+10 43 46.1		658
1996 UK	1997 02 23.13068	03 38 17.27	+10 43 46.5		658
1996 UK	1997 02 23.13171	03 38 17.40	+10 43 46.7		658
1996 VC	1997 02 22.26148	04 02 52.79	+49 53 22.2		658
1996 VC	1997 02 22.26414	04 02 53.37	+49 53 20.8		658
1996 VC	1997 02 22.26997	04 02 54.67	+49 53 18.5		658
1996 XH ₁	1997 02 22.28253	04 29 51.11	+39 41 06.7		658
1996 XH ₁	1997 02 22.28604	04 29 51.39	+39 41 09.3		658
1996 XH ₁	1997 02 22.29416	04 29 52.07	+39 41 13.0		658
1997 AW	1997 02 22.38322	07 49 14.66	+23 35 14.0		658
1997 AW	1997 02 22.39127	07 49 14.34	+23 35 15.5		658
1997 AW	1997 02 22.39750	07 49 14.14	+23 35 14.0		658
1997 AB ₁₅	1997 02 24.16877	06 30 29.91	+46 01 07.9	19.9 R	658
1997 AB ₁₅	1997 02 24.17191	06 30 29.79	+46 01 12.6	19.9 R	658

1997 AB ₁₅	1997 02 24.19562	06 30 28.96	+46 01 44.9	19.9 R	658
1997 AQ ₁₈	1997 02 24.20054	06 47 04.27	+13 22 20.6	19.9 R	658
1997 AQ ₁₈	1997 02 24.20299	06 47 04.26	+13 22 20.1	19.8 R	658
1997 AQ ₁₈	1997 02 24.20784	06 47 04.18	+13 22 18.1	19.8 R	658
1997 BQ	1997 02 23.58829	18 06 05.21	+55 09 25.2	17.2 R	658
1997 BQ	1997 02 23.58887	18 06 05.49	+55 09 22.2	17.1 R	658
1997 BQ	1997 02 23.58946	18 06 05.73	+55 09 18.8	17.2 R	658
1997 BQ	1997 02 23.59003	18 06 06.01	+55 09 15.9	17.1 R	658
1997 BQ	1997 02 23.59292	18 06 07.26	+55 08 59.7	17.2 R	658
1997 BQ	1997 02 24.56546	18 13 25.60	+53 37 43.8	17.2 R	658
1997 BQ	1997 02 24.56604	18 13 25.87	+53 37 40.1	17.0 R	658
1997 BQ	1997 02 24.56662	18 13 26.08	+53 37 36.7	17.1 R	658
1997 BQ	1997 02 24.56718	18 13 26.24	+53 37 34.3	17.0 R	658
1997 BQ	1997 02 24.56775	18 13 26.49	+53 37 30.9	17.1 R	658
1997 BR	1997 02 22.41306	09 32 09.92	+50 04 44.9		658
1997 BR	1997 02 22.42399	09 32 08.30	+50 05 14.8		658
1997 BR	1997 02 22.43660	09 32 06.43	+50 05 49.7		658
1997 CZ ₃	1997 02 24.28578	07 54 20.93	+20 23 30.7		658
1997 CZ ₃	1997 02 24.28926	07 54 20.72	+20 23 30.5		658
1997 CZ ₃	1997 02 24.29098	07 54 20.63	+20 23 30.6		658
1997 CO ₅	1997 02 23.25141	08 48 27.30	+12 28 40.4	18.5 R	658
1997 CO ₅	1997 02 23.25453	08 48 27.14	+12 28 36.7	18.6 R	658
1997 CO ₅	1997 02 23.25659	08 48 27.06	+12 28 35.1	18.4 R	658
1997 CO ₅	1997 02 24.35434	08 47 37.25	+12 09 14.5		658
1997 CO ₅	1997 02 24.35606	08 47 37.18	+12 09 12.8		658
1997 CO ₅	1997 02 24.35780	08 47 37.11	+12 09 10.9		658
1997 CO ₅	1997 02 24.36269	08 47 36.87	+12 09 05.9		658
1997 CX ₅	1997 02 23.23763	07 53 20.89	+13 24 35.9	19.1 R	658
1997 CX ₅	1997 02 23.24281	07 53 20.70	+13 24 28.8		658
1997 CX ₅	1997 02 23.24626	07 53 20.50	+13 24 23.9		658
1997 CX ₅	1997 03 12.28036	07 50 21.22	+07 55 22.3	19.6 R	658
1997 CX ₅	1997 03 12.28251	07 50 21.23	+07 55 21.4	20.0 R	658
1997 CX ₅	1997 03 12.28478	07 50 21.29	+07 55 18.3	19.5 R	658
1997 CZ ₅	1997 02 21.18146	05 02 14.52	+13 53 18.2		658
1997 CZ ₅	1997 02 21.18333	05 02 14.79	+13 53 15.7		658
1997 CZ ₅	1997 02 21.18462	05 02 14.99	+13 53 14.0		658
1997 CZ ₅	1997 02 22.31337	05 05 02.99	+13 28 50.3		658
1997 CZ ₅	1997 02 22.32998	05 05 05.42	+13 28 28.9		658
1997 CZ ₅	1997 02 22.33159	05 05 05.68	+13 28 26.6		658
1997 CZ ₅	1997 02 23.14005	05 07 06.56	+13 11 22.2	15.9 R	658
1997 CZ ₅	1997 02 23.14316	05 07 07.02	+13 11 18.5	16.0 R	658
1997 CZ ₅	1997 02 23.14523	05 07 07.32	+13 11 15.9	16.0 R	658
1997 CZ ₅	1997 02 24.15321	05 09 37.28	+12 50 20.9	16.0 R	658
1997 CZ ₅	1997 02 24.15529	05 09 37.59	+12 50 18.3	16.1 R	658
1997 CZ ₅	1997 02 24.15843	05 09 38.03	+12 50 14.5	15.9 R	658
1997 CU ₂₆	1997 02 23.19666	08 28 53.82	+15 37 40.6	18.5 R	658
1997 CU ₂₆	1997 02 23.20656	08 28 53.74	+15 37 40.8	18.5 R	658
1997 CU ₂₆	1997 02 23.22037	08 28 53.55	+15 37 40.8	18.5 R	658
(7317)	1997 02 22.52450	12 34 01.20	-04 48 34.3		658
(7317)	1997 02 22.53975	12 34 00.91	-04 48 32.5		658
(7450)	1997 02 22.44325	09 44 57.80	+59 18 30.1		658

(7450)	1997 02 22.44956	09 44 57.36	+59 18 30.3	658
(7450)	1997 02 22.45575	09 44 56.89	+59 18 30.9	658

670 Camarillo

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0.25-m Schmidt-Cassegrain + CCD

GSC

1997 CZ ₅	1997 02 19.12066	04 57 06.69	+14 39 23.7	15.5 V	670
1997 CZ ₅	1997 02 19.14288	04 57 09.92	+14 38 53.4		670
1997 CZ ₅	1997 02 25.15451	05 12 06.01	+12 30 03.0	15.6 V	670
1997 CZ ₅	1997 02 25.16424	05 12 07.42	+12 29 51.2		670
1997 CZ ₅	1997 02 25.17604	05 12 09.14	+12 29 36.9		670
1997 CZ ₅	1997 03 07.13872	05 36 40.10	+09 28 41.3	16.6 V	670
1997 CZ ₅	1997 03 07.14549	05 36 41.13	+09 28 33.9		670
1997 CZ ₅	1997 03 07.15660	05 36 42.72	+09 28 23.3		670

675 Palomar

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Observers E. F. Helin (2, S), T. Gehrels (4, L), K. J. Lawrence (2, S)

Measurers J. Alonzo (2), K. J. Lawrence (2), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4)

1.2-m Oschin Schmidt (L), 0.46-m Schmidt (S)

1996 TQ ₁₂	1991 09 08.45538	23 38 10.41	+18 07 53.8		2 675
1996 TQ ₁₂	1991 09 09.37865	23 37 32.00	+17 42 36.7	17.0	2 675
1996 TQ ₁₂	1991 09 09.40312	23 37 30.83	+17 41 58.0		2 675
1996 TQ ₁₂	1991 10 11.21267	23 18 38.10	+00 31 00.7	16.5	2 675
1996 TQ ₁₂	1991 10 11.23438	23 18 37.63	+00 30 21.6		2 675
1996 TQ ₁₂	1991 10 13.23177	23 18 13.21	-00 29 44.3		2 675
1996 TQ ₁₂	1991 10 13.26667	23 18 12.81	-00 30 47.9		2 675
1997 AV ₁₃	1971 04 16.22812	12 33 36.83	-01 29 10.8	19.5	4 675
1997 AV ₁₃	1971 04 16.30139	12 33 33.11	-01 28 40.7	19.5	4 675
2725 P-L	* 1960 09 24.46184	00 54 55.51	+05 43 05.1	19.5	4 675
2725 P-L	1960 09 26.37988	00 53 26.11	+05 32 29.7		4 675
2725 P-L	1960 09 28.43822	00 51 47.24	+05 20 47.1		4 675
2725 P-L	1960 09 29.39514	00 51 00.77	+05 15 16.7		4 675
2725 P-L	1960 10 17.31529	00 36 11.12	+03 29 34.8		4 675
2725 P-L	1960 10 22.26809	00 32 29.28	+03 02 56.7		4 675
3541 P-L	* 1960 10 17.23681	00 32 49.36	+18 35 07.8	17.1	4 675
3541 P-L	1960 10 22.29097	00 29 25.15	+18 10 01.8		4 675
3541 P-L	1960 10 25.32778	00 27 37.83	+17 54 24.8		4 675
6755 P-L	* 1960 09 24.35002	00 05 43.59	+00 12 07.4	19.2	4 675
6755 P-L	1960 09 26.28543	00 04 12.51	+00 03 00.5		4 675
6755 P-L	1960 09 27.34237	00 03 22.80	-00 01 57.1		4 675
6755 P-L	1960 09 28.33822	00 02 36.16	-00 06 36.7		4 675
6755 P-L	1960 10 17.21390	23 49 35.43	-01 23 06.3		4 675
6755 P-L	1960 10 22.15559	23 47 06.35	-01 37 04.7		4 675
6755 P-L	1960 10 26.26113	23 45 26.33	-01 46 07.5		4 675
1064 T-1	1971 03 24.38924	12 02 12.73	-01 30 27.6		4 675
1064 T-1	1971 03 25.27326	12 01 16.84	-01 27 25.7		4 675

1997 MAR. 24

M.P.C. 29221

1064 T-1	* 1971 03 25.31562	12 01 13.93	-01 27 18.3	18.9	4 675	4125 T-2	1973 09 30.31476	00 29 19.58	-01 22 29.5	4 675
1064 T-1	1971 03 26.26771	12 00 13.96	-01 24 02.4		4 675	4125 T-2	1973 10 04.32708	00 26 42.76	-01 55 41.6	4 675
1064 T-1	1971 03 27.31181	11 59 07.93	-01 20 28.6		4 675	4125 T-2	1973 10 04.38889	00 26 40.20	-01 56 12.3	4 675
1064 T-1	1971 03 27.32500	11 59 07.10	-01 20 27.2		4 675	4125 T-2	1973 10 05.35382	00 26 03.06	-02 04 01.9	4 675
1135 T-1	1971 03 24.38924	12 08 48.51	-03 26 56.6		4 675	4125 T-2	1973 10 05.41597	00 26 00.54	-02 04 32.0	4 675
1135 T-1	1971 03 25.27326	12 08 00.27	-03 21 51.1		4 675	3357 T-3	1977 10 07.27031	01 20 18.03	+08 42 01.3	4 675
1135 T-1	* 1971 03 25.31562	12 07 57.90	-03 21 37.0	19.5	4 675	3357 T-3	1977 10 11.28819	01 16 58.62	+08 25 30.2	4 675
1135 T-1	1971 03 26.26771	12 07 06.22	-03 16 07.7		4 675	3357 T-3	1977 10 11.35642	01 16 55.14	+08 25 12.9	4 675
1135 T-1	1971 03 27.32500	12 06 08.62	-03 10 00.9		4 675	3357 T-3	1977 10 12.35347	01 16 05.41	+08 21 00.6	4 675
1135 T-1	1971 04 02.40000	12 00 45.08	-02 35 06.4		4 675	3357 T-3	* 1977 10 16.27309	01 12 49.49	+08 04 28.5	18.0 4 675
1503 T-2	1973 09 19.19948	00 31 45.66	+05 38 32.6		4 675	3357 T-3	1977 10 16.33872	01 12 46.11	+08 04 12.2	4 675
1503 T-2	1973 09 19.25006	00 31 43.05	+05 38 15.1		4 675	3357 T-3	1977 10 17.27552	01 11 59.67	+08 00 15.5	4 675
1503 T-2	1973 09 20.26458	00 30 52.66	+05 32 04.9		4 675	3357 T-3	1977 10 17.34236	01 11 56.18	+07 59 58.1	4 675
1503 T-2	1973 09 24.36181	00 27 20.96	+05 06 06.9		4 675	3357 T-3	1977 10 21.39792	01 08 37.91	+07 43 07.1	4 675
1503 T-2	1973 09 24.42847	00 27 17.37	+05 05 40.7		4 675	3357 T-3	1977 10 21.45799	01 08 35.07	+07 42 52.9	4 675
1503 T-2	1973 09 25.25642	00 26 33.63	+05 00 13.6		4 675	3357 T-3	1977 10 22.39844	01 07 50.39	+07 39 02.3	4 675
1503 T-2	1973 09 25.32031	00 26 30.08	+04 59 47.3		4 675	3357 T-3	1977 10 22.45920	01 07 47.40	+07 38 46.7	4 675
1503 T-2	* 1973 09 29.25330	00 22 58.24	+04 33 13.8	19.4	4 675	3464 T-3	1977 10 07.27031	01 16 26.33	+09 02 34.8	4 675
1503 T-2	1973 09 29.31806	00 22 54.46	+04 32 46.5		4 675	3464 T-3	1977 10 11.27743	01 12 49.49	+08 50 14.5	4 675
1503 T-2	1973 09 30.21007	00 22 06.36	+04 26 39.4		4 675	3464 T-3	1977 10 11.28819	01 12 48.87	+08 50 13.5	4 675
1503 T-2	1973 09 30.27431	00 22 02.75	+04 26 09.6		4 675	3464 T-3	1977 10 11.34375	01 12 45.68	+08 50 02.9	4 675
1503 T-2	1973 10 04.28958	00 18 25.04	+03 58 12.0		4 675	3464 T-3	1977 10 11.35642	01 12 44.97	+08 50 01.4	4 675
1503 T-2	1973 10 04.30208	00 18 24.34	+03 58 04.4		4 675	3464 T-3	1977 10 12.28681	01 11 54.67	+08 47 02.9	4 675
1503 T-2	1973 10 04.35208	00 18 21.49	+03 57 45.3		4 675	3464 T-3	1977 10 12.35347	01 11 50.78	+08 46 52.2	4 675
1503 T-2	1973 10 04.36476	00 18 20.88	+03 57 40.3		4 675	3464 T-3	* 1977 10 16.27309	01 08 19.90	+08 34 11.9	18.4 4 675
1503 T-2	1973 10 05.31684	00 17 29.84	+03 51 01.4		4 675	3464 T-3	1977 10 16.33872	01 08 16.20	+08 34 00.1	4 675
1503 T-2	1973 10 05.37917	00 17 26.29	+03 50 33.3		4 675	3464 T-3	1977 10 17.27552	01 07 26.91	+08 31 00.0	4 675
3042 T-2	1973 09 19.21250	00 11 59.64	-03 13 06.1		4 675	3464 T-3	1977 10 17.34236	01 07 23.19	+08 30 47.0	4 675
3042 T-2	1973 09 19.26354	00 11 56.63	-03 13 32.8		4 675	3464 T-3	1977 10 21.39792	01 03 56.39	+08 18 09.7	4 675
3042 T-2	1973 09 20.27795	00 11 01.50	-03 21 49.0		4 675	3464 T-3	1977 10 21.45799	01 03 53.36	+08 17 56.9	4 675
3042 T-2	1973 09 24.37431	00 07 14.92	-03 54 58.9		4 675	3464 T-3	1977 10 22.39844	01 03 07.94	+08 15 08.8	4 675
3042 T-2	1973 09 24.44167	00 07 11.11	-03 55 30.3		4 675	3464 T-3	1977 10 22.45920	01 03 04.82	+08 14 57.1	4 675
3042 T-2	1973 09 25.26875	00 06 25.60	-04 02 07.5		4 675	4012 T-3	1977 10 07.28125	01 21 51.76	+01 28 27.8	4 675
3042 T-2	1973 09 25.33299	00 06 21.92	-04 02 36.9		4 675	4012 T-3	1977 10 11.30000	01 18 24.75	+01 20 28.2	4 675
3042 T-2	1973 09 29.27986	00 02 43.83	-04 33 10.9		4 675	4012 T-3	1977 10 11.36771	01 18 21.11	+01 20 20.6	4 675
3042 T-2	1973 09 29.34375	00 02 40.15	-04 33 40.3		4 675	4012 T-3	1977 10 12.29826	01 17 32.96	+01 18 35.9	4 675
3042 T-2	1973 09 30.23524	00 01 51.85	-04 40 20.6		4 675	4012 T-3	1977 10 12.36441	01 17 29.47	+01 18 30.2	4 675
3042 T-2	* 1973 09 30.30174	00 01 47.99	-04 40 49.9	18.9	4 675	4012 T-3	* 1977 10 16.28368	01 14 06.89	+01 11 46.4	18.0 4 675
3042 T-2	1973 10 04.31493	23 58 14.76	-05 09 33.6		4 675	4012 T-3	1977 10 16.34931	01 14 03.40	+01 11 40.5	4 675
3042 T-2	1973 10 04.37674	23 58 11.29	-05 09 59.6		4 675	4388 T-3	* 1977 10 16.28368	01 38 56.93	+00 09 16.2	19.0 4 675
3042 T-2	1973 10 05.34167	23 57 21.89	-05 16 29.9		4 675	4388 T-3	1977 10 16.34931	01 38 53.48	+00 08 52.3	4 675
3042 T-2	1973 10 05.40347	23 57 18.59	-05 16 58.4		4 675	4388 T-3	1977 10 17.28628	01 38 07.66	+00 03 14.7	4 675
4125 T-2	1973 09 19.22500	00 36 23.95	+00 11 43.8		4 675	4388 T-3	1977 10 17.35313	01 38 04.20	+00 02 50.0	4 675
4125 T-2	1973 09 19.27865	00 36 21.87	+00 11 17.9		4 675	4388 T-3	1977 10 21.38698	01 34 46.65	-00 19 58.7	4 675
4125 T-2	1973 09 20.30278	00 35 44.42	+00 02 37.8		4 675	4388 T-3	1977 10 21.44705	01 34 43.63	-00 20 20.9	4 675
4125 T-2	1973 09 24.38750	00 33 10.10	-00 32 09.1		4 675	4388 T-3	1977 10 22.38542	01 33 58.34	-00 25 18.8	4 675
4125 T-2	1973 09 24.45434	00 33 07.59	-00 32 42.6		4 675	4388 T-3	1977 10 22.44878	01 33 55.17	-00 25 36.6	4 675
4125 T-2	1973 09 25.28125	00 32 36.00	-00 39 49.0		4 675	(6260)	1991 01 14.50625	10 06 40.36	+13 58 45.3	16.5 2 675
4125 T-2	1973 09 25.34601	00 32 33.49	-00 40 20.4		4 675					
4125 T-2	* 1973 09 29.29219	00 29 59.62	-01 13 50.9	18.9	4 675					
4125 T-2	1973 09 29.35694	00 29 57.02	-01 14 24.9		4 675					
4125 T-2	1973 09 30.24826	00 29 22.28	-01 21 54.0		4 675					

684 Prescott

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0.46-m $f/4.5$ reflector + CCD
GSC

1978 VX ₈	1997 03 08.31720	11 31 57.66	+05 08 12.2	18.9 R	684	1997 CF ₂₂	1997 03 05.28774	10 36 46.87	+08 55 17.6	684
1978 VX ₈	1997 03 08.32954	11 31 57.08	+05 08 15.7		684	1997 CF ₂₂	1997 03 05.29134	10 36 46.71	+08 55 18.9	684
1992 DC ₃	1997 03 09.27086	09 47 55.28	+12 51 39.6	17.5 R	684	1997 CF ₂₂	1997 03 13.26616	10 30 43.63	+09 46 13.5	17.7 R 684
1992 DC ₃	1997 03 09.28432	09 47 54.74	+12 51 42.8		684	1997 CF ₂₂	1997 03 13.26971	10 30 43.48	+09 46 14.7	684
1992 DC ₃	1997 03 10.25245	09 47 18.11	+12 55 36.7	17.6 R	684	1997 CF ₂₂	1997 03 13.27293	10 30 43.33	+09 46 15.9	684
1992 DC ₃	1997 03 10.25591	09 47 17.97	+12 55 37.4		684	1997 CK ₂₂	1997 03 03.25116	09 56 16.75	+14 29 13.2	17.2 R 684
1992 DC ₃	1997 03 10.26001	09 47 17.81	+12 55 38.4		684	1997 CK ₂₂	1997 03 03.25560	09 56 16.55	+14 29 15.9	684
1992 DC ₃	1997 03 14.25594	09 44 56.54	+13 10 45.7	17.8 R	684	1997 CK ₂₂	1997 03 04.26214	09 55 35.43	+14 39 30.2	684
1992 DC ₃	1997 03 14.26009	09 44 56.42	+13 10 46.4		684	1997 CK ₂₂	1997 03 04.27608	09 55 34.80	+14 39 39.2	684
1992 EQ ₁₅	1997 03 02.30654	11 39 36.74	+01 34 49.1	17.7 R	684	1997 CK ₂₂	1997 03 13.25090	09 50 16.16	+16 03 13.2	17.4 R 684
1992 EQ ₁₅	1997 03 02.31547	11 39 36.35	+01 34 52.1		684	1997 CK ₂₂	1997 03 13.25435	09 50 16.04	+16 03 14.9	684
1992 EQ ₁₅	1997 03 03.32333	11 38 53.03	+01 40 23.5		E 684	1997 CK ₂₂	1997 03 13.25785	09 50 15.93	+16 03 16.7	684
1992 EQ ₁₅	1997 03 03.32740	11 38 52.84	+01 40 24.6	18.1 R	E 684	1997 CL ₂₂	1997 03 03.26105	10 36 59.15	+08 01 35.9	16.1 R 684
1992 EQ ₁₅	1997 03 03.33170	11 38 52.66	+01 40 26.1		E 684	1997 CL ₂₂	1997 03 03.26416	10 36 58.97	+08 01 36.9	684
1996 XH ₂₆	1997 03 02.22052	07 06 38.23	+21 43 53.8	18.5 R	684	1997 CL ₂₂	1997 03 03.26744	10 36 58.78	+08 01 38.1	684
1996 XH ₂₆	1997 03 02.22697	07 06 38.35	+21 43 53.6		684	1997 CL ₂₂	1997 03 11.33066	10 29 49.42	+08 44 06.4	16.3 R 684
1996 XH ₂₆	1997 03 02.24571	07 06 38.67	+21 43 53.7		684	1997 CL ₂₂	1997 03 11.33381	10 29 49.25	+08 44 07.4	684
1997 AA	1997 03 02.21241	06 31 13.35	+24 49 47.9		684	1997 EP	* 1997 03 02.26466	09 52 50.30	+12 56 44.0	18.5 R 684
1997 AA	1997 03 02.23470	06 31 13.64	+24 49 48.1		684	1997 EP	1997 03 02.26860	09 52 50.11	+12 56 44.0	684
1997 AA	1997 03 02.23882	06 31 13.68	+24 49 48.3	18.3 R	684	1997 EP	1997 03 03.23458	09 52 03.80	+12 58 00.1	19.1 R 684
1997 AA	1997 03 11.27163	06 34 26.37	+24 49 46.4	18.4 R	684	1997 EP	1997 03 03.23909	09 52 03.56	+12 58 00.0	684
1997 AA	1997 03 11.27662	06 34 26.52	+24 49 46.1		684	1997 EP	1997 03 03.24323	09 52 03.44	+12 58 00.4	684
1997 AA	1997 03 11.28128	06 34 26.64	+24 49 46.3		684	1997 EQ	* 1997 03 02.27890	11 40 31.66	+02 18 13.1	18.6 R E 684
1997 BP ₅	1997 03 05.24593	09 47 05.73	+14 17 12.1	18.2 R	684	1997 EQ	1997 03 02.29132	11 40 31.08	+02 18 21.7	E 684
1997 BP ₅	1997 03 05.25321	09 47 05.39	+14 17 14.4		684	1997 EQ	1997 03 03.27595	11 39 48.32	+02 29 48.1	18.2 R 684
1997 BP ₅	1997 03 05.26203	09 47 04.97	+14 17 17.3		684	1997 EQ	1997 03 03.28027	11 39 48.10	+02 29 51.4	684
1997 BU ₅	1997 03 02.25383	09 48 59.97	+13 01 24.4	17.5 R	684	1997 EQ	1997 03 03.28463	11 39 47.92	+02 29 54.7	684
1997 BU ₅	1997 03 02.25816	09 48 59.72	+13 01 25.6		684	1997 ER	* 1997 03 02.27890	11 41 25.92	+02 11 19.4	19.0 R 684
1997 BU ₅	1997 03 11.31711	09 41 03.98	+13 38 48.2	17.3 R	684	1997 ER	1997 03 02.29132	11 41 25.17	+02 11 21.3	684
1997 BU ₅	1997 03 11.32471	09 41 03.62	+13 38 49.9		684	1997 ER	1997 03 03.29257	11 40 28.35	+02 13 59.6	19.1 R 684
1997 BV ₅	1997 03 02.26466	09 52 28.78	+12 57 18.7	17.8 R	684	1997 ER	1997 03 03.29684	11 40 28.08	+02 14 01.6	684
1997 BV ₅	1997 03 02.26860	09 52 28.59	+12 57 19.7		684	1997 ER	1997 03 03.30245	11 40 27.76	+02 14 01.8	684
1997 BV ₅	1997 03 03.23458	09 51 41.98	+13 01 25.9	18.0 R	684	1997 ES	* 1997 03 02.30238	11 41 27.71	+01 40 08.7	684
1997 BV ₅	1997 03 03.23909	09 51 41.75	+13 01 26.9		684	1997 ES	1997 03 02.31079	11 41 27.31	+01 40 11.1	18.7 R 684
1997 BV ₅	1997 03 03.24323	09 51 41.55	+13 01 28.0		684	1997 ES	1997 03 03.30862	11 40 41.92	+01 44 39.2	19.3 R 684
1997 CM	1997 03 04.24269	09 47 59.25	+11 16 20.8		684	1997 ES	1997 03 03.31288	11 40 41.68	+01 44 40.3	684
1997 CM	1997 03 04.24574	09 47 59.11	+11 16 20.9		684	1997 ES	1997 03 03.31720	11 40 41.52	+01 44 41.6	684
1997 CM	1997 03 04.24995	09 47 58.89	+11 16 20.9		684	1997 ET	* 1997 03 02.30654	11 38 59.41	+01 40 26.5	18.6 R E 684
1997 CM	1997 03 11.30470	09 42 39.20	+11 15 31.8	17.2 R	684	1997 ET	1997 03 02.31547	11 38 58.97	+01 40 29.9	E 684
1997 CM	1997 03 11.30748	09 42 39.07	+11 15 31.8		684	1997 ET	1997 03 03.32333	11 38 14.01	+01 45 50.3	684
1997 CM	1997 03 11.31061	09 42 38.94	+11 15 31.7		684	1997 ET	1997 03 03.32740	11 38 13.78	+01 45 51.8	18.8 R 684
1997 CM	1997 03 13.23573	09 41 21.84	+11 14 46.8		684	1997 ET	1997 03 03.33170	11 38 13.60	+01 45 52.8	684
1997 CM	1997 03 13.24036	09 41 21.66	+11 14 46.8		684	1997 EW	* 1997 03 02.30238	11 41 21.15	+01 44 39.6	684
1997 CM	1997 03 13.24476	09 41 21.48	+11 14 46.4	17.3 R	684	1997 EW	1997 03 02.31079	11 41 20.68	+01 44 41.7	19.1 R 684
1997 CN ₄	1997 03 05.27253	09 51 55.80	+12 58 44.0	18.8 R	684	1997 EW	1997 03 04.31147	11 39 25.07	+01 51 04.3	19.1 R 684
1997 CN ₄	1997 03 05.27602	09 51 55.50	+12 58 45.0		684	1997 EW	1997 03 04.31872	11 39 24.66	+01 51 05.4	684
1997 CN ₄	1997 03 06.23652	09 51 12.64	+13 02 03.6	18.2 R	684	1997 EX	* 1997 03 03.30862	11 41 21.29	+01 42 07.1	18.5 R E 684
1997 CN ₄	1997 03 06.24245	09 51 12.38	+13 02 04.7		684	1997 EX	1997 03 03.31288	11 41 21.08	+01 42 08.5	E 684
1997 CN ₄	1997 03 06.24801	09 51 12.13	+13 02 05.9		684	1997 EX	1997 03 03.31720	11 41 20.84	+01 42 10.2	E 684
1997 CF ₂₂	1997 03 05.28428	10 36 47.04	+08 55 16.5	17.2 R	684	1997 EX	1997 03 04.32609	11 40 28.64	+01 48 44.9	18.8 R 684
						1997 EY	1997 03 04.33056	11 40 28.40	+01 48 46.5	684
							* 1997 03 03.32333	11 37 31.09	+01 41 30.2	E 684

1997 MAR. 24

M.P.C. 29223

1997 EY	1997 03 03.32740	11 37 30.89	+01 41 31.2	16.5 R	E 684	1997 EQ ₇	* 1997 03 07.38449	11 26 24.58	+05 39 40.8	18.2 R	684
1997 EY	1997 03 03.33170	11 37 30.67	+01 41 32.2		E 684	1997 EQ ₇	1997 03 07.39380	11 26 24.03	+05 39 45.0		684
1997 EY	1997 03 04.29622	11 36 43.93	+01 45 25.4	17.2 R	684	1997 EQ ₇	1997 03 08.28447	11 25 33.34	+05 46 24.6	18.6 R	684
1997 EY	1997 03 04.29880	11 36 43.81	+01 45 26.0		684	1997 EQ ₇	1997 03 08.28854	11 25 33.12	+05 46 26.4		684
1997 EY	1997 03 04.30247	11 36 43.60	+01 45 26.9		684	1997 EQ ₇	1997 03 08.29379	11 25 32.80	+05 46 29.1		684
1997 EY	1997 03 05.29718	11 35 54.82	+01 49 31.2	16.9 R	684	1997 EZ ₇	* 1997 03 08.25561	09 48 09.35	+13 00 26.4		684
1997 EY	1997 03 05.30105	11 35 54.63	+01 49 31.9		684	1997 EZ ₇	1997 03 08.27294	09 48 08.70	+13 00 38.7		684
1997 EY	1997 03 05.30439	11 35 54.46	+01 49 32.9		684	1997 EZ ₇	1997 03 08.27648	09 48 08.57	+13 00 40.7	18.9 R	684
1997 EY	1997 03 11.34196	11 30 50.30	+02 15 10.2	16.4 R	684	1997 EZ ₇	1997 03 09.26527	09 47 29.85	+13 11 50.8	18.6 R	684
1997 EY	1997 03 11.34477	11 30 50.15	+02 15 11.0		684	1997 EZ ₇	1997 03 09.27601	09 47 29.43	+13 11 58.1		684
1997 EY	1997 03 11.34744	11 30 50.00	+02 15 11.6		684	1997 EA ₈	* 1997 03 08.25561	09 48 13.23	+13 03 40.2		684
1997 EE ₆	* 1997 03 05.30992	11 29 59.39	+04 46 18.8	18.6 R	684	1997 EA ₈	1997 03 08.27294	09 48 12.43	+13 03 41.2		684
1997 EE ₆	1997 03 05.31931	11 29 58.79	+04 46 22.4		684	1997 EA ₈	1997 03 08.27648	09 48 12.26	+13 03 41.0	18.6 R	684
1997 EE ₆	1997 03 06.30047	11 28 59.23	+04 51 28.6	18.5 R	684	1997 EA ₈	1997 03 09.26527	09 47 29.17	+13 04 36.3	18.8 R	684
1997 EE ₆	1997 03 06.30993	11 28 58.61	+04 51 31.6		684	1997 EA ₈	1997 03 09.27601	09 47 28.69	+13 04 37.1		684
1997 EE ₆	1997 03 07.28384	11 27 59.08	+04 56 37.1	18.4 R	684	1997 EB ₈	* 1997 03 08.25561	09 49 12.79	+12 54 09.5		684
1997 EE ₆	1997 03 07.28851	11 27 58.79	+04 56 38.6		684	1997 EB ₈	1997 03 08.27294	09 49 11.71	+12 54 06.2		684
1997 EE ₆	1997 03 07.29373	11 27 58.45	+04 56 39.8		684	1997 EB ₈	1997 03 08.27648	09 49 11.49	+12 54 05.3	18.8 R	684
1997 EF ₆	* 1997 03 05.31505	11 29 49.37	+04 28 53.5	18.7 R	684	1997 EB ₈	1997 03 09.27086	09 48 13.33	+12 50 32.3	18.8 R	684
1997 EF ₆	1997 03 05.32344	11 29 48.90	+04 28 55.5		684	1997 EB ₈	1997 03 09.28432	09 48 12.54	+12 50 29.3		684
1997 EF ₆	1997 03 06.25704	11 28 54.68	+04 32 38.6	18.2 R	684	1997 EC ₈	* 1997 03 08.31296	11 32 20.11	+05 27 14.2	18.3 R	E 684
1997 EF ₆	1997 03 06.26177	11 28 54.34	+04 32 40.0		684	1997 EC ₈	1997 03 08.32568	11 32 19.31	+05 27 14.7		E 684
1997 EF ₆	1997 03 06.29325	11 28 52.49	+04 32 46.8		684	1997 EC ₈	1997 03 09.29255	11 31 18.16	+05 28 02.6	17.7 R	I 684
1997 EG ₆	* 1997 03 06.23652	09 51 15.11	+13 01 07.2	18.9 R	684	1997 EC ₈	1997 03 09.29660	11 31 17.87	+05 28 02.9		684
1997 EG ₆	1997 03 06.24245	09 51 14.77	+13 01 05.1		684	1997 EC ₈	1997 03 10.26594	11 30 16.42	+05 28 49.7	18.0 R	684
1997 EG ₆	1997 03 06.24801	09 51 14.38	+13 01 04.4		684	1997 EC ₈	1997 03 10.27429	11 30 15.89	+05 28 50.3		684
1997 EG ₆	1997 03 07.25766	09 50 12.61	+12 57 38.6	18.9 R	684	1997 EC ₈	1997 03 14.26632	11 26 02.61	+05 31 47.7		684
1997 EG ₆	1997 03 07.26712	09 50 12.00	+12 57 36.4		684	1997 EC ₈	1997 03 14.26965	11 26 02.42	+05 31 48.0	18.7 R	684
1997 EG ₆	1997 03 07.27626	09 50 11.41	+12 57 34.7		684	1997 EC ₈	1997 03 14.27300	11 26 02.19	+05 31 47.9		684
1997 EH ₆	* 1997 03 06.27422	11 28 57.77	+05 23 08.8	18.2 R	684	1997 ED ₈	* 1997 03 08.31720	11 31 16.65	+05 09 29.8	17.8 R	E 684
1997 EH ₆	1997 03 06.28404	11 28 57.26	+05 23 13.0		684	1997 ED ₈	1997 03 08.32954	11 31 15.94	+05 09 32.5		E 684
1997 EH ₆	1997 03 07.36200	11 28 01.60	+05 29 41.9	18.9 R	684	1997 ED ₈	1997 03 09.30193	11 30 23.10	+05 12 54.5	17.3 R	684
1997 EH ₆	1997 03 07.37117	11 28 01.09	+05 29 45.4		684	1997 ED ₈	1997 03 09.30585	11 30 22.87	+05 12 55.3		684
1997 EH ₆	1997 03 08.29931	11 27 13.20	+05 35 21.2	19.1 R	684	1997 ED ₈	1997 03 10.26992	11 29 30.27	+05 16 14.9	17.5 R	684
1997 EH ₆	1997 03 08.30307	11 27 12.97	+05 35 21.9		684	1997 ED ₈	1997 03 10.27983	11 29 29.72	+05 16 17.1		684
1997 EH ₆	1997 03 08.30688	11 27 12.81	+05 35 23.2		684	1997 ED ₈	1997 03 14.26632	11 25 51.48	+05 29 44.9		684
1997 EO ₇	* 1997 03 07.25766	09 49 31.04	+12 56 51.3	17.6 R	684	1997 ED ₈	1997 03 14.26965	11 25 51.30	+05 29 45.8	17.8 R	684
1997 EO ₇	1997 03 07.26712	09 49 30.63	+12 56 52.3		684	1997 ED ₈	1997 03 14.27300	11 25 51.10	+05 29 46.3		684
1997 EO ₇	1997 03 07.27626	09 49 30.22	+12 56 53.5		684	1997 EE ₈	* 1997 03 08.32076	11 31 41.64	+04 49 02.6	18.8 R	684
1997 EO ₇	1997 03 08.25561	09 48 48.20	+12 58 40.3		684	1997 EE ₈	1997 03 08.33370	11 31 40.83	+04 49 07.1		684
1997 EO ₇	1997 03 08.27294	09 48 47.44	+12 58 42.5		684	1997 EE ₈	1997 03 09.31160	11 30 41.60	+04 54 30.9	18.8 R	684
1997 EO ₇	1997 03 08.27648	09 48 47.29	+12 58 42.7	17.8 R	684	1997 EE ₈	1997 03 09.31550	11 30 41.36	+04 54 32.3		684
1997 EO ₇	1997 03 10.25245	09 47 24.70	+13 02 07.3	17.8 R	684	1997 EF ₈	* 1997 03 08.33937	11 37 00.26	+02 51 21.1	18.6 R	684
1997 EO ₇	1997 03 10.25591	09 47 24.55	+13 02 07.5		684	1997 EF ₈	1997 03 08.34718	11 36 59.89	+02 51 25.7		684
1997 EO ₇	1997 03 10.26001	09 47 24.39	+13 02 08.1		684	1997 EF ₈	1997 03 09.32134	11 36 17.36	+03 00 47.0	18.7 R	684
1997 EO ₇	1997 03 14.25594	09 44 47.07	+13 08 12.9	18.0 R	684	1997 EF ₈	1997 03 09.32561	11 36 17.15	+03 00 49.9		684
1997 EO ₇	1997 03 14.26009	09 44 46.91	+13 08 13.1		684	1997 EG ₈	* 1997 03 08.33937	11 37 31.12	+02 45 40.1	18.5 R	684
1997 EP ₇	* 1997 03 07.36200	11 28 22.68	+05 35 49.4	18.4 R	684	1997 EG ₈	1997 03 08.34718	11 37 30.65	+02 45 40.9		684
1997 EP ₇	1997 03 07.37117	11 28 22.13	+05 35 49.9		684	1997 EG ₈	1997 03 09.34061	11 36 32.88	+02 47 25.0	18.3 R	684
1997 EP ₇	1997 03 08.29931	11 27 29.24	+05 36 46.6	18.3 R	684	1997 EG ₈	1997 03 09.34478	11 36 32.62	+02 47 25.4		684
1997 EP ₇	1997 03 08.30307	11 27 29.06	+05 36 46.7		684	1997 EH ₈	* 1997 03 08.35737	11 38 36.32	+02 39 47.6	17.1 R	684
1997 EP ₇	1997 03 08.30688	11 27 28.81	+05 36 47.0		684	1997 EH ₈	1997 03 08.36509	11 38 35.91	+02 39 49.0		684

1997 EH ₈	1997 03 09.35199	11 37 45.26	+02 42 17.3	16.9 R	684	1978 RR ₁	1995 08 03.33434	22 32 03.81	−08 21 25.9	691
1997 EH ₈	1997 03 09.35593	11 37 45.05	+02 42 17.8		684	1978 RC ₉	1997 03 11.29505	10 37 50.83	+08 05 32.2	18.8 V 691
1997 EH ₈	1997 03 10.28539	11 36 57.32	+02 44 38.3	17.0 H	684	1978 RC ₉	1997 03 11.31649	10 37 49.46	+08 05 38.0	18.9 V 691
1997 EH ₈	1997 03 10.30215	11 36 56.43	+02 44 40.9		684	1978 RC ₉	1997 03 11.33905	10 37 48.02	+08 05 43.4	18.8 V 691
1997 EH ₈	1997 03 14.28071	11 33 30.96	+02 54 46.4		684	1979 MO ₄	1997 03 13.42843	12 29 14.86	−01 46 39.8	18.4 V 691
1997 EH ₈	1997 03 14.28466	11 33 30.75	+02 54 46.9		684	1979 MO ₄	1997 03 13.45009	12 29 13.91	−01 46 32.4	18.3 V 691
1997 EH ₈	1997 03 14.28808	11 33 30.56	+02 54 47.5		684	1979 MO ₄	1997 03 13.47188	12 29 12.94	−01 46 25.0	18.5 V 691
1997 EH ₈	1997 03 14.29490	11 33 30.20	+02 54 48.5	17.5 R	684	1979 MM ₈	1997 03 03.32251	10 32 08.23	+07 11 34.5	18.5 V 691
1997 EJ ₈	* 1997 03 08.35737	11 39 21.92	+02 48 40.0	18.4 R	684	1979 MM ₈	1997 03 03.34438	10 32 07.02	+07 11 43.2	18.6 V 691
1997 EJ ₈	1997 03 08.36509	11 39 21.43	+02 48 42.9		684	1979 MM ₈	1997 03 03.36576	10 32 05.83	+07 11 51.7	18.5 V 691
1997 EJ ₈	1997 03 09.33118	11 38 21.97	+02 54 41.6	18.0 R	684	1979 MM ₈	1997 03 10.27032	10 26 04.63	+07 56 33.2	18.5 V 691
1997 EJ ₈	1997 03 09.33537	11 38 21.70	+02 54 43.2		684	1979 MM ₈	1997 03 10.30352	10 26 02.96	+07 56 45.5	18.6 V 691
1997 EK ₈	* 1997 03 08.36145	11 39 55.36	+02 25 03.4	17.9 R	E 684	1979 MM ₈	1997 03 10.33212	10 26 01.47	+07 56 56.3	18.7 V 691
1997 EK ₈	1997 03 08.36870	11 39 54.91	+02 25 05.6		E 684	1979 MM ₈	1997 03 11.28631	10 25 13.72	+08 02 55.8	18.7 V 691
1997 EK ₈	1997 03 09.36150	11 38 55.74	+02 29 53.2	17.8 R	684	1979 MM ₈	1997 03 11.30775	10 25 12.61	+08 03 03.9	18.6 V 691
1997 EK ₈	1997 03 09.36539	11 38 55.48	+02 29 54.0		684	1979 MM ₈	1997 03 11.33032	10 25 11.47	+08 03 12.1	18.6 V 691
1997 EK ₈	1997 03 10.29061	11 38 00.38	+02 34 23.1	17.5 H	684	1979 QX	1995 10 22.12852	20 35 28.72	−16 49 10.5	19.0 V 691
1997 EK ₈	1997 03 10.29383	11 38 00.18	+02 34 24.1		684	1979 QX	1995 10 22.13533	20 35 29.01	−16 49 09.4	691
1997 EK ₈	1997 03 10.29699	11 37 59.98	+02 34 25.0		684	1979 QX	1995 10 22.14131	20 35 29.27	−16 49 08.5	691
1997 EK ₈	1997 03 14.28466	11 34 01.66	+02 53 44.3		684	1979 QR ₂	1997 03 07.34641	12 08 18.26	−01 35 00.1	18.8 V 691
1997 EK ₈	1997 03 14.28808	11 34 01.50	+02 53 45.1		684	1979 QR ₂	1997 03 07.36729	12 08 17.32	−01 34 53.9	18.3 V 691
1997 EK ₈	1997 03 14.29490	11 34 01.01	+02 53 47.4	18.3 R	684	1979 QR ₂	1997 03 07.38828	12 08 16.35	−01 34 48.8	18.3 V 691
1997 EZ ₂₅	* 1997 03 11.30470	09 42 46.57	+11 21 24.6	18.3 R	684	1979 QR ₂	1997 03 08.22714	12 07 39.45	−01 31 06.1	18.6 V 691
1997 EZ ₂₅	1997 03 11.30748	09 42 46.43	+11 21 24.6		684	1979 QR ₂	1997 03 08.23430	12 07 39.11	−01 31 03.9	18.4 V 691
1997 EZ ₂₅	1997 03 11.31061	09 42 46.29	+11 21 24.2		684	1979 QR ₂	1997 03 08.24131	12 07 38.79	−01 31 01.8	18.5 V 691
1997 EZ ₂₅	1997 03 13.23573	09 41 17.07	+11 20 19.9		684	1979 QR ₂	1997 03 09.36291	12 06 48.30	−01 26 01.3	18.5 V 691
1997 EZ ₂₅	1997 03 13.24036	09 41 16.85	+11 20 19.8		684	1979 QR ₂	1997 03 09.38385	12 06 47.35	−01 25 55.2	18.9 V 691
1997 EZ ₂₅	1997 03 13.24476	09 41 16.65	+11 20 19.7	18.3 R	684	1979 QR ₂	1997 03 09.40484	12 06 46.37	−01 25 49.7	18.5 V 691
1997 EA ₂₆	* 1997 03 11.30470	09 43 10.23	+11 14 43.2	18.6 R	684	1981 EC ₁₀	1997 03 04.20242	10 11 28.21	+02 16 14.2	18.8 V 691
1997 EA ₂₆	1997 03 11.30748	09 43 10.17	+11 14 43.9		684	1981 EC ₁₀	1997 03 04.22460	10 11 27.20	+02 16 22.2	18.8 V 691
1997 EA ₂₆	1997 03 11.31061	09 43 10.02	+11 14 45.0		684	1981 EC ₁₀	1997 03 04.24650	10 11 26.21	+02 16 29.8	18.8 V 691
1997 EA ₂₆	1997 03 13.23573	09 41 57.11	+11 24 48.4		684	1981 EA ₁₆	1994 03 10.20514	10 43 35.05	+05 34 04.7	16.8 V 691
1997 EA ₂₆	1997 03 13.24036	09 41 56.93	+11 24 49.8		684	1981 EA ₁₆	1994 03 10.33750	10 43 25.96	+05 34 26.3	691
1997 EA ₂₆	1997 03 13.24476	09 41 56.72	+11 24 51.2	18.8 R	684	1981 EU ₂₆	1997 03 04.12496	08 17 25.24	+14 45 45.4	19.2 V 691
1997 EG ₂₉	* 1997 03 13.28006	11 51 12.19	+21 41 22.6	18.6 R	684	1981 EU ₂₆	1997 03 04.14677	08 17 24.73	+14 45 50.0	19.2 V 691
1997 EG ₂₉	1997 03 13.28598	11 51 11.91	+21 41 26.6		684	1981 EU ₂₆	1997 03 04.16851	08 17 24.23	+14 45 54.5	19.6 V 691
1997 EG ₂₉	1997 03 14.30297	11 50 28.61	+21 52 29.3	19.1 R	684	1981 EF ₃₅	1993 03 23.28150	12 04 59.15	+01 10 43.3	691
1997 EG ₂₉	1997 03 14.30904	11 50 28.35	+21 52 33.1		684	1981 EF ₃₅	1993 03 23.34609	12 04 55.72	+01 11 10.2	19.1 V 691
4019 T-3	1997 03 11.33066	10 29 09.08	+08 46 43.1	18.4 R	684	1981 EF ₃₅	1997 03 07.35959	12 27 19.49	−01 30 31.7	19.7 V 691
4019 T-3	1997 03 11.33381	10 29 08.89	+08 46 44.4		684	1981 EF ₃₅	1997 03 07.38046	12 27 18.57	−01 30 24.7	18.9 V 691
691 Kitt Peak, Steward Observatory						1981 EF ₃₅	1997 03 07.40146	12 27 17.61	−01 30 16.0	19.1 V 691
T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721,						1981 UD ₂₃	1992 11 24.44116	04 35 51.04	+20 55 55.4	18.3 V 691
U.S.A. [tgehrels@lpl.arizona.edu]						1981 UD ₂₃	1992 11 24.46703	04 35 49.29	+20 55 54.7	691
Observers T. Gehrels, J. V. Scotti, J. Montani						1982 FX ₂	1997 03 04.39362	12 30 04.60	−02 07 55.2	18.0 V 691
Measurer J. V. Scotti						1982 FX ₂	1997 03 04.41709	12 30 03.64	−02 07 50.1	18.0 V 691
0.91-m Spacewatch telescope + CCD						1982 FX ₂	1997 03 04.43828	12 30 02.79	−02 07 45.4	18.0 V 691
GSC						1982 FX ₂	1997 03 07.36012	12 28 05.65	−01 56 41.5	17.9 V 691
1975 TO ₂	1992 05 07.32452	15 01 56.97	−11 56 14.4	18.9 V	691	1982 FX ₂	1997 03 07.38100	12 28 04.76	−01 56 36.8	17.9 V 691
1975 TO ₂	1992 05 07.35002	15 01 55.39	−11 56 06.6		691	1982 FX ₂	1997 03 07.40199	12 28 03.86	−01 56 32.0	17.9 V 691
1975 TO ₂	1992 05 07.37500	15 01 53.94	−11 55 57.2		691	1982 FX ₂	1997 03 13.42460	12 23 42.80	−01 31 53.6	17.4 V 691
1978 RR ₁	1995 08 03.29199	22 32 05.09	−08 21 11.5		691	1982 FX ₂	1997 03 13.44625	12 23 41.80	−01 31 47.9	17.4 V 691
1978 RR ₁	1995 08 03.31319	22 32 04.44	−08 21 18.4	16.2 V	691	1982 FX ₂	1997 03 13.46805	12 23 40.79	−01 31 42.2	17.4 V 691

1982 FX ₂	1997 03 14.36987	12 22 59.96	-01 27 50.8	17.8 V	691	1988 RR ₅	1997 03 07.42127	12 23 02.11	-01 00 33.5	18.4 V	691
1982 FX ₂	1997 03 14.40166	12 22 58.47	-01 27 42.6	17.8 V	691	1988 RR ₅	1997 03 07.44724	12 23 00.73	-01 00 27.2	18.1 V	691
1982 FX ₂	1997 03 14.43062	12 22 57.11	-01 27 35.0	17.8 V	691	1988 RR ₅	1997 03 07.46832	12 22 59.63	-01 00 21.5	18.3 V	691
1984 DD ₁	1995 09 19.33866	23 22 03.73	-01 26 00.0	17.2 V	691	1988 RS ₆	1997 03 07.34781	12 10 18.77	-01 28 19.9	20.0 V	691
1984 DD ₁	1995 09 19.34408	23 22 03.38	-01 26 01.6		691	1988 RS ₆	1997 03 07.36868	12 10 17.61	-01 28 11.8	19.8 V	691
1984 DD ₁	1995 09 19.34947	23 22 03.05	-01 26 03.2		691	1988 RS ₆	1997 03 07.38967	12 10 16.44	-01 28 04.5	19.8 V	691
1984 HJ ₁	1992 11 26.36202	03 45 02.42	+18 01 47.2	17.7 V	691	1988 RS ₆	1997 03 09.36408	12 08 29.66	-01 15 50.1	19.6 V	691
1984 HJ ₁	1992 11 26.38879	03 45 00.60	+18 01 43.3		691	1988 RS ₆	1997 03 09.38502	12 08 28.48	-01 15 41.9	19.5 V	691
1984 HJ ₁	1992 11 26.41148	03 44 59.05	+18 01 39.9		691	1988 RS ₆	1997 03 09.40600	12 08 27.30	-01 15 34.3	19.4 V	691
1984 HJ ₁	1995 09 30.31612	00 58 09.91	+00 52 30.0	17.5 V	691	1988 RZ ₁₁	1992 04 28.14203	12 27 25.69	-04 02 04.2		691
1984 HJ ₁	1995 09 30.33830	00 58 08.54	+00 52 22.0		691	1988 RZ ₁₁	1992 04 28.16249	12 27 25.06	-04 02 00.6	20.1 V	691
1984 HJ ₁	1995 09 30.35943	00 58 07.24	+00 52 14.8		691	1988 RZ ₁₁	1992 04 28.18372	12 27 24.29	-04 01 56.9		691
1984 SS ₅	1993 04 21.17583	13 07 50.12	+01 03 22.6	18.7 V	691	1988 VF ₂	1997 03 12.38017	10 45 20.70	+17 52 12.6	18.1 V	691
1984 SS ₅	1993 04 21.18582	13 07 49.68	+01 03 24.6		691	1988 VF ₂	1997 03 12.40235	10 45 19.35	+17 52 16.6	17.9 V	691
1984 SS ₅	1993 04 21.19781	13 07 49.18	+01 03 26.4		691	1988 VF ₂	1997 03 12.42470	10 45 17.97	+17 52 20.4	18.5 V	691
1985 JK	1995 01 28.38048	07 15 30.85	+23 20 18.8	18.1 V	691	1989 SC ₈	1994 03 06.13677	09 02 19.00	+13 36 18.4	18.5 V	691
1985 JK	1995 01 28.38925	07 15 30.33	+23 20 20.6		691	1989 SC ₈	1994 03 06.15632	09 02 18.24	+13 36 21.2		691
1985 JK	1995 01 28.39822	07 15 29.80	+23 20 23.0		691	1990 OV ₄	1995 07 05.35636	21 41 10.31	-01 17 12.0		691
1985 RV ₂	1996 11 13.42372	03 43 14.45	+07 40 36.5	17.6 V	691	1990 OV ₄	1995 07 05.37774	21 41 09.89	-01 16 59.2	17.7 V	691
1985 RV ₂	1996 11 13.44480	03 43 13.09	+07 40 32.8	17.5 V	691	1990 OV ₄	1995 07 05.39853	21 41 09.48	-01 16 46.8		691
1986 EF ₅	1997 03 14.36067	12 09 42.97	-01 01 58.9	16.7 V	691	1990 SO ₇	1997 03 02.13943	08 24 32.04	+15 46 53.8	20.3 V	691
1986 EF ₅	1997 03 14.39245	12 09 41.21	-01 01 47.8	16.7 V	691	1990 SO ₇	1997 03 02.16144	08 24 31.40	+15 46 59.6	20.3 V	691
1986 EF ₅	1997 03 14.42141	12 09 39.59	-01 01 37.6	16.7 V	691	1990 SO ₇	1997 03 02.18468	08 24 30.73	+15 47 05.4	20.2 V	691
1986 PX	1997 03 02.13605	08 19 40.03	+15 52 28.0	19.0 V	691	1990 SF ₉	1996 10 07.42403	02 56 12.81	+17 02 47.4	17.5 V	691
1986 PX	1997 03 02.15807	08 19 39.30	+15 52 32.9	19.5 V	691	1990 SF ₉	1996 10 07.44770	02 56 11.92	+17 02 46.7		691
1986 PX	1997 03 02.18131	08 19 38.52	+15 52 38.3	19.4 V	691	1990 SF ₉	1996 10 07.46954	02 56 11.10	+17 02 45.6		691
1986 QA ₁	1991 11 06.36770	02 47 12.65	+15 22 36.4	17.6 V	691	1990 TM ₁	1991 12 27.29862	07 41 56.44	+24 45 15.5		691
1986 QA ₁	1991 11 06.39242	02 47 11.17	+15 22 31.9		691	1990 TM ₁	1991 12 27.32097	07 41 55.41	+24 45 20.2	17.0 V	691
1986 QA ₁	1991 11 06.41766	02 47 09.66	+15 22 27.0		691	1990 TM ₁	1991 12 27.34345	07 41 54.37	+24 45 25.2		691
1986 RE ₁	1992 04 24.40196	14 39 21.55	-13 40 18.8		691	1990 UL ₁	1992 03 30.39991	13 21 14.41	-00 46 17.0		691
1986 RE ₁	1992 04 24.42354	14 39 20.17	-13 40 11.4		691	1990 UL ₁	1992 03 30.42015	13 21 13.24	-00 46 09.1	19.1 V	691
1986 RE ₁	1992 04 24.44422	14 39 18.92	-13 40 03.1	18.3 V	691	1990 UL ₁	1992 03 30.44099	13 21 12.05	-00 46 01.4		691
1986 TG ₃	1991 11 05.40024	02 44 44.15	+14 02 58.2	17.4 V	691	1990 UL ₁	1992 04 27.14023	12 55 34.76	+01 38 02.2	18.8 V	691
1986 TG ₃	1991 11 05.42082	02 44 43.02	+14 02 52.3		691	1990 UL ₁	1992 04 27.16047	12 55 33.75	+01 38 06.0		691
1986 TG ₃	1991 11 05.44155	02 44 41.90	+14 02 46.8		691	1990 UL ₁	1992 04 27.18080	12 55 32.76	+01 38 09.9		691
1986 WO ₉	1997 03 05.15231	08 41 10.12	+14 17 36.1	17.4 V	691	1990 UL ₂	1992 04 29.23633	14 19 48.27	-09 44 43.2	18.0 V	691
1986 WO ₉	1997 03 05.17421	08 41 09.49	+14 17 40.5	17.4 V	691	1990 UL ₂	1992 04 29.25678	14 19 46.92	-09 44 39.4		691
1986 WO ₉	1997 03 05.19604	08 41 08.88	+14 17 45.3	17.4 V	691	1990 UL ₂	1992 04 29.27859	14 19 45.47	-09 44 35.6		691
1986 WO ₉	1997 03 12.13198	08 38 37.12	+14 39 33.5	17.5 V	691	1991 OW	1997 03 05.13412	08 14 40.25	+14 29 07.3	18.9 V	691
1986 WO ₉	1997 03 12.15374	08 38 36.71	+14 39 37.0	17.5 V	691	1991 OW	1997 03 05.15602	08 14 39.51	+14 29 09.9	18.6 V	691
1986 WO ₉	1997 03 12.17611	08 38 36.28	+14 39 40.8	17.5 V	691	1991 OW	1997 03 05.17785	08 14 38.81	+14 29 11.0	18.6 V	691
1987 BM ₁	1993 04 15.43133	15 32 08.20	-01 52 49.1		691	1991 PO ₁₃	1997 03 05.40777	12 12 51.76	-02 37 47.2	18.0 V	691
1987 BM ₁	1993 04 15.46294	15 32 06.96	-01 52 44.5	17.5 V	691	1991 PO ₁₃	1997 03 05.42885	12 12 50.62	-02 37 42.5	17.9 V	691
1987 BM ₁	1993 04 15.49463	15 32 05.74	-01 52 39.8		691	1991 PO ₁₃	1997 03 05.44988	12 12 49.48	-02 37 37.8	17.9 V	691
1987 RQ ₂	1997 02 04.28823	09 13 44.98	+20 41 46.1	18.9 V	691	1991 PO ₁₃	1997 03 10.36060	12 08 18.10	-02 18 49.7	17.9 V	691
1987 RQ ₂	1997 02 04.29681	09 13 44.45	+20 41 48.2	18.7 V	691	1991 PO ₁₃	1997 03 10.38148	12 08 16.84	-02 18 44.5	17.8 V	691
1988 JD	1994 09 05.42606	01 05 35.97	+01 29 11.9	17.8 V	691	1991 PO ₁₃	1997 03 10.40240	12 08 15.62	-02 18 39.6	17.8 V	691
1988 JD	1994 09 05.45780	01 05 35.08	+01 29 02.9		691	1991 RW ₁₉	1997 03 12.13332	08 40 33.54	+14 55 48.0	18.8 V	691
1988 JD	1994 09 05.48960	01 05 34.18	+01 28 54.2		691	1991 RW ₁₉	1997 03 12.15508	08 40 32.87	+14 55 50.9	18.8 V	691
1988 RR ₅	1997 03 02.31886	12 26 59.96	-01 20 50.0	17.7 V	691	1991 RW ₁₉	1997 03 12.17745	08 40 32.21	+14 55 54.7	19.0 V	691
1988 RR ₅	1997 03 02.33998	12 26 59.15	-01 20 45.2	17.4 V	691	1992 BB ₅	1993 01 25.49511	14 07 48.37	-05 11 32.0		691
1988 RR ₅	1997 03 02.36113	12 26 58.06	-01 20 41.0	17.7 V	691	1992 BB ₅	1993 01 25.51493	14 07 48.86	-05 11 32.3	19.9 V	691

1992 BB ₅	1993 01 25.53348	14 07 49.36	-05 11 33.3		691	1994 BC	1996 10 16.40800	01 25 58.72	+08 47 44.1		691
1992 EN ₉	1996 11 12.48605	09 03 58.23	+14 57 59.8	18.8 V	691	1994 BS ₄	1992 09 28.22260	23 05 10.16	-10 28 52.1	17.4 V	691
1992 EN ₉	1996 11 12.50761	09 03 58.97	+14 57 56.5	18.7 V	691	1994 BS ₄	1992 09 28.24369	23 05 09.13	-10 28 56.7		691
1992 EN ₉	1996 11 12.52911	09 03 59.71	+14 57 53.0	18.6 V	691	1994 BS ₄	1992 09 28.26473	23 05 08.16	-10 29 01.2		691
1992 EQ ₂₇	1997 03 05.28274	10 33 11.92	+08 43 02.9	18.4 V	691	1994 CS ₈	1991 12 03.34918	04 18 41.66	+14 26 01.4	18.3 V	691
1992 EQ ₂₇	1997 03 05.30408	10 33 10.89	+08 43 09.5	18.5 V	691	1994 CS ₈	1991 12 03.37007	04 18 40.97	+14 26 00.5		691
1992 EQ ₂₇	1997 03 05.32549	10 33 09.85	+08 43 16.2	18.4 V	691	1994 CS ₈	1991 12 03.39093	04 18 40.31	+14 25 59.4		691
1992 GA ₄	1992 05 07.22989	14 05 23.94	-10 44 33.4	17.6 V	691	1994 EL ₃	1995 09 25.24759	22 38 11.77	-09 36 41.3	16.6 V	691
1992 GA ₄	1992 05 07.25444	14 05 22.86	-10 44 27.8		691	1994 EL ₃	1995 09 25.26852	22 38 11.08	-09 36 54.6		691
1992 GA ₄	1992 05 07.27888	14 05 21.78	-10 44 22.1		691	1994 EL ₃	1995 09 25.28965	22 38 10.38	-09 37 08.1		691
1992 GA ₄	1994 10 08.40663	01 37 09.00	+08 36 46.2	17.7 V	691	1994 FB	1995 06 03.43500	21 19 59.93	-12 25 16.3	19.0 V	691
1992 GA ₄	1994 10 08.43894	01 37 07.58	+08 36 37.9		691	1994 HA	1991 10 13.37714	02 01 15.75	+09 50 18.6	17.9 V	691
1992 GA ₄	1994 10 08.47126	01 37 06.17	+08 36 29.2		691	1994 HA	1991 10 13.42716	02 01 13.29	+09 49 48.9		691
1992 HK ₁	1995 12 27.37485	09 32 36.80	+18 23 49.2		691	1994 LJ ₁₀	* 1994 06 09.39888	21 35 19.61	-10 23 22.8	19.2 V	691
1992 HK ₁	1995 12 27.40774	09 32 36.08	+18 23 55.6		691	1994 LJ ₁₀	1994 06 09.42229	21 35 19.67	-10 23 19.1		691
1992 HK ₁	1995 12 27.44085	09 32 35.41	+18 24 00.2	18.5 V	691	1994 LJ ₁₀	1994 06 09.44577	21 35 19.73	-10 23 15.5		691
1992 RL ₇	1994 03 13.30659	12 16 50.11	+02 44 31.5	18.7 V	691	1994 LJ ₁₀	1994 09 09.16418	20 46 51.90	-11 20 18.1		691
1992 RL ₇	1994 03 13.37369	12 16 46.29	+02 44 58.8		691	1994 LJ ₁₀	1994 09 09.17624	20 46 51.57	-11 20 19.3	18.9 V	691
1992 RL ₇	1994 03 13.44129	12 16 42.40	+02 45 26.6		691	1994 LJ ₁₀	1994 09 09.18781	20 46 51.21	-11 20 20.6		691
1992 SM ₁₂	1996 12 12.21805	03 39 30.15	+09 31 36.5	18.2 V	691	1994 PO	1997 03 03.18450	10 24 07.69	+01 20 28.0	16.2 V	691
1992 SM ₁₂	1996 12 12.23981	03 39 29.09	+09 31 36.6	18.3 V	691	1994 PO	1997 03 03.20577	10 24 06.30	+01 20 28.2	16.1 V	691
1992 SM ₁₂	1996 12 12.26177	03 39 28.03	+09 31 36.7	18.3 V	691	1994 PO	1997 03 03.22890	10 24 04.79	+01 20 28.5	16.2 V	691
1992 WZ	1997 03 12.19886	10 58 32.19	+16 57 01.1	17.6 V	691	1994 PO	1997 03 13.20473	10 14 05.62	+01 25 14.6	16.4 V	691
1992 WZ	1997 03 12.22108	10 58 30.81	+16 57 06.1	17.6 V	691	1994 PO	1997 03 13.22703	10 14 04.34	+01 25 15.2	16.4 V	691
1992 WZ	1997 03 12.24350	10 58 29.39	+16 57 11.6	17.6 V	691	1994 PO	1997 03 13.24856	10 14 03.10	+01 25 16.2	16.4 V	691
1993 FX ₄₀	1997 03 03.23619	10 01 33.58	+01 44 19.5	18.2 V	691	1994 PA ₁₀	1997 03 02.13788	08 22 18.50	+15 40 12.2	21.7 V	691
1993 FX ₄₀	1997 03 03.25770	10 01 32.57	+01 44 32.1	18.3 V	691	1994 PA ₁₀	1997 03 02.15990	08 22 17.79	+15 40 18.0	21.2 V	691
1993 FX ₄₀	1997 03 03.28375	10 01 31.33	+01 44 47.3	18.4 V	691	1994 PA ₁₀	1997 03 02.18314	08 22 17.04	+15 40 24.3	21.3 V	691
1993 FE ₅₉	1993 04 18.14275	11 50 39.19	-00 32 31.8	18.9 V	691	1994 PN ₁₃	1997 03 02.37192	12 10 06.88	-01 55 09.4	19.3 V	691
1993 FE ₅₉	1993 04 18.16434	11 50 38.25	-00 32 29.4		691	1994 PN ₁₃	1997 03 02.39292	12 10 06.05	-01 55 04.3	19.4 V	691
1993 FE ₅₉	1993 04 18.18564	11 50 37.33	-00 32 25.2		691	1994 PN ₁₃	1997 03 02.41491	12 10 05.17	-01 54 59.0	19.5 V	691
1993 KH	1997 03 03.45126	13 55 14.71	+13 35 25.2	20.8 V	691	1994 PN ₁₃	1997 03 09.36217	12 05 25.13	-01 26 29.7	19.3 V	691
1993 KH	1997 03 03.45703	13 55 14.47	+13 35 29.2	20.6 V	691	1994 PN ₁₃	1997 03 09.38315	12 05 24.24	-01 26 24.0	19.2 V	691
1993 KH	1997 03 03.46412	13 55 14.17	+13 35 33.9	20.6 V	691	1994 PN ₁₃	1997 03 09.40414	12 05 23.35	-01 26 18.5	19.4 V	691
1993 OB ₁₃	1997 03 13.42311	12 21 34.00	-01 56 04.6	18.0 V	691	1994 PR ₂₇	1997 03 02.38580	12 30 09.28	-01 33 37.2	17.2 V	691
1993 OB ₁₃	1997 03 13.44477	12 21 33.11	-01 55 57.3	18.0 V	691	1994 PR ₂₇	1997 03 02.40680	12 30 08.41	-01 33 33.9	17.2 V	691
1993 OB ₁₃	1997 03 13.46656	12 21 32.14	-01 55 50.5	18.1 V	691	1994 PR ₂₇	1997 03 02.42878	12 30 07.51	-01 33 30.4	17.3 V	691
1993 UL	1992 04 28.45262	15 44 39.32	-08 31 00.5	18.3 V	691	1994 PR ₂₇	1997 03 07.42376	12 26 37.78	-01 19 12.6	18.7 V	691
1993 UL	1992 04 28.47342	15 44 38.36	-08 30 49.0		691	1994 PR ₂₇	1997 03 07.44973	12 26 36.58	-01 19 07.5	17.9 V	691
1993 US	1994 12 28.45588	08 51 11.46	+15 37 51.1	18.7 V	691	1994 PR ₂₇	1997 03 07.47082	12 26 35.60	-01 19 03.5	18.1 V	691
1993 US	1994 12 28.48067	08 51 10.57	+15 37 54.4		691	1994 PW ₃₁	1997 03 10.37690	12 31 49.95	-02 13 04.9	16.7 V	691
1993 XF ₁	1995 04 22.23787	13 39 29.71	-02 44 25.7	19.3 V	691	1994 PW ₃₁	1997 03 10.39778	12 31 49.09	-02 12 53.6	16.7 V	691
1993 XF ₁	1995 04 22.25919	13 39 28.40	-02 44 20.6		691	1994 PW ₃₁	1997 03 10.41870	12 31 48.24	-02 12 42.5	16.7 V	691
1993 XF ₁	1995 04 22.29768	13 39 25.97	-02 44 09.6		691	1994 PW ₃₁	1997 03 13.42882	12 29 48.30	-01 45 18.1	16.6 V	691
1994 BC	1992 10 01.27516	23 42 13.00	+00 36 24.9		691	1994 PW ₃₁	1997 03 13.45047	12 29 47.35	-01 45 05.9	16.6 V	691
1994 BC	1992 10 01.30392	23 42 11.68	+00 36 11.9	16.9 V	691	1994 PW ₃₁	1997 03 13.47227	12 29 46.43	-01 44 53.5	16.5 V	691
1994 BC	1992 10 01.33480	23 42 10.24	+00 35 58.2		691	1994 UD ₁	1997 03 14.37440	12 29 32.10	-01 05 26.6	19.7 V	691
1994 BC	1995 05 30.18687	14 43 48.25	-12 34 32.6		691	1994 UD ₁	1997 03 14.40619	12 29 30.84	-01 05 18.8	19.8 V	691
1994 BC	1995 05 30.21345	14 43 47.01	-12 34 25.8	16.8 V	691	1994 UD ₁	1997 03 14.43515	12 29 29.63	-01 05 12.2	19.4 V	691
1994 BC	1995 05 30.23808	14 43 45.91	-12 34 19.5		691	1995 BC	1996 03 12.40552	12 34 34.00	+00 47 42.8		691
1994 BC	1996 10 16.36034	01 26 01.30	+08 48 05.7	15.8 V	691	1995 BC	1996 03 12.42719	12 34 33.08	+00 47 49.7	18.6 V	691
1994 BC	1996 10 16.38683	01 25 59.87	+08 47 53.6		691	1995 BC	1996 03 12.44957	12 34 32.12	+00 47 57.0		691

1995 FA ₁	1996 10 07.41964	02 49 52.54	+16 33 02.7	18.9 V	691	1996 RG ₃	1997 03 05.48316	15 25 18.90	-14 05 06.7	18.8 V	691
1995 FA ₁	1996 10 07.44331	02 49 51.43	+16 32 56.9		691	1996 RU ₂₅	1991 11 06.37163	02 52 53.16	+15 56 10.6		691
1995 FA ₁	1996 10 07.46515	02 49 50.39	+16 32 51.5		691	1996 RU ₂₅	1991 11 06.39635	02 52 51.95	+15 56 04.6	19.8 V	691
1995 OX ₁	1992 11 25.42945	04 41 02.03	+21 52 42.4	17.2 V	691	1996 RU ₂₅	1991 11 06.42159	02 52 50.69	+15 55 59.6		691
1995 OX ₁	1992 11 25.45274	04 41 00.34	+21 52 43.0		691	1996 TA ₁₁	1995 03 26.43099	14 20 51.41	-08 27 51.2	17.5 V	691
1995 PG	1991 10 04.10219	22 44 27.01	+00 49 18.6		691	1996 TA ₁₁	1995 03 26.45508	14 20 50.54	-08 27 45.1		691
1995 PG	1991 10 04.11908	22 44 26.21	+00 49 17.2	19.5 V	691	1996 TA ₁₁	1995 03 26.47933	14 20 49.67	-08 27 38.9		691
1995 PG	1991 10 04.14482	22 44 24.94	+00 49 16.7		691	1996 TO ₁₃	1991 11 02.33054	02 35 12.09	+10 22 00.8	19.2 V	691
1995 PV	1994 02 15.33931	10 31 02.32	+11 57 35.4	17.4 V	691	1996 TO ₁₃	1991 11 02.35124	02 35 11.09	+10 21 50.9		691
1995 PV	1994 02 15.37208	10 31 00.20	+11 57 42.3		691	1996 TO ₁₃	1991 11 02.37205	02 35 10.10	+10 21 41.7		691
1995 PV	1994 02 15.40530	10 30 58.00	+11 57 49.1		691	1996 VB ₆	1991 12 04.22572	04 31 24.54	+17 49 16.3	18.2 V	691
1995 UR ₂	1992 01 09.16826	07 23 12.83	+20 10 41.5	18.1 V	691	1996 VB ₆	1991 12 04.24714	04 31 23.32	+17 49 15.2		691
1995 UR ₂	1992 01 09.18998	07 23 11.39	+20 10 42.1		691	1996 VB ₆	1991 12 04.26847	04 31 22.11	+17 49 13.4		691
1995 UK ₄₄	1997 03 08.31933	10 10 54.70	+01 38 30.9	18.1 V	691	1996 VE ₆	1994 03 10.21131	10 52 29.26	+05 43 33.5	17.0 V	691
1995 UK ₄₄	1997 03 08.34021	10 10 53.56	+01 38 38.4	17.9 V	691	1996 VE ₆	1994 03 10.34369	10 52 21.79	+05 44 26.7		691
1995 UK ₄₄	1997 03 08.36120	10 10 52.42	+01 38 45.7	17.9 V	691	1996 VB ₉	1992 05 06.25477	14 43 22.59	-10 33 58.5		691
1995 UK ₄₄	1997 03 09.24047	10 10 06.68	+01 43 54.8	18.0 V	691	1996 VB ₉	1992 05 06.27544	14 43 21.85	-10 33 54.7		691
1995 UK ₄₄	1997 03 09.26146	10 10 05.58	+01 44 02.1	18.1 V	691	1996 VB ₉	1992 05 06.29691	14 43 21.10	-10 33 51.6	19.6 V	691
1995 UK ₄₄	1997 03 09.28235	10 10 04.45	+01 44 09.4	18.0 V	691	1996 VE ₉	1996 12 01.23407	03 47 56.07	+15 07 00.4	16.5 V	691
1995 VN	1997 03 02.30491	12 06 51.98	-01 02 00.8	19.8 V	691	1996 VE ₉	1996 12 01.25588	03 47 54.87	+15 07 01.2	16.5 V	691
1995 VN	1997 03 02.32603	12 06 50.98	-01 01 53.5	19.8 V	691	1996 VE ₉	1996 12 01.28052	03 47 53.52	+15 07 02.0	16.8 V	691
1995 VN	1997 03 02.34718	12 06 49.96	-01 01 46.5	19.6 V	691	1996 VO ₃₀	1996 12 05.14846	03 29 36.52	+19 28 11.2	15.9 V	691
1995 VX ₄	1994 05 13.33694	15 07 37.71	-10 04 30.4	18.1 V	691	1996 VO ₃₀	1996 12 05.17383	03 29 35.32	+19 28 02.6	15.8 V	691
1995 VX ₄	1994 05 13.36049	15 07 36.34	-10 04 25.8		691	1996 VO ₃₀	1996 12 05.19723	03 29 34.18	+19 27 54.6	15.9 V	691
1995 VX ₄	1994 05 13.38248	15 07 35.07	-10 04 21.6		691	1996 VO ₃₀	1996 12 14.21717	03 24 08.81	+18 42 17.5	16.1 V	691
1995 WH	1992 01 27.28230	09 31 29.93	+17 38 06.6	18.6 V	691	1996 VO ₃₀	1996 12 14.23935	03 24 08.17	+18 42 11.6	16.1 V	691
1995 WH	1992 01 27.33232	09 31 27.41	+17 38 21.8		691	1996 VO ₃₀	1996 12 14.26324	03 24 07.45	+18 42 05.3	16.2 V	691
1995 WE ₁	1991 12 02.47133	11 30 15.52	+08 09 39.5		691	1996 VK ₃₈	1996 12 12.28675	03 43 49.85	+09 03 11.5	18.0 V	691
1995 WE ₁	1991 12 02.49193	11 30 16.64	+08 09 34.3		691	1996 VK ₃₈	1996 12 12.30821	03 43 48.91	+09 03 10.2	18.0 V	691
1995 WE ₁	1991 12 02.52540	11 30 18.44	+08 09 25.2	20.3 V	691	1996 VK ₃₈	1996 12 12.32930	03 43 47.86	+09 03 05.6	16.9 V	691
1995 WU ₂	1997 03 12.19149	10 47 53.74	+16 45 20.2	17.7 V	691	1996 XF ₁	1992 01 30.43383	09 05 29.46	+22 50 50.5		691
1995 WU ₂	1997 03 12.21371	10 47 52.66	+16 45 23.8	17.4 V	691	1996 XF ₁	1992 01 30.45985	09 05 28.12	+22 50 58.0	19.8 V	691
1995 WU ₂	1997 03 12.23614	10 47 51.56	+16 45 27.4	17.0 V	691	1996 XF ₁	1992 01 30.48598	09 05 26.78	+22 51 04.7		691
1995 WM ₃	1991 12 30.18936	04 28 49.80	+22 13 32.9	20.0 V	691	1996 XW ₁₉	1995 07 04.39961	21 23 46.41	-07 11 00.0		691
1995 WM ₃	1991 12 30.21151	04 28 48.85	+22 13 31.2		691	1996 XW ₁₉	1995 07 04.42798	21 23 45.52	-07 10 57.6	18.4 V	691
1995 WM ₃	1991 12 30.23368	04 28 47.97	+22 13 30.0		691	1996 XW ₁₉	1995 07 04.45646	21 23 44.59	-07 10 55.2		691
1996 CV ₈	1994 11 30.11108	02 18 47.56	+14 44 52.4	17.4 V	691	1996 XH ₂₀	1997 01 10.09586	03 27 43.73	+19 17 16.0	20.5 V	691
1996 CV ₈	1994 11 30.13525	02 18 46.53	+14 44 49.2		691	1996 XH ₂₀	1997 01 10.11803	03 27 44.37	+19 17 17.7	20.9 V	691
1996 CV ₈	1994 11 30.16024	02 18 45.45	+14 44 46.7		691	1996 XH ₂₀	1997 01 10.14022	03 27 45.03	+19 17 19.5	20.7 V	691
1996 HS ₈	1995 03 05.29856	10 49 41.12	+10 15 42.3	18.1 V	691	1996 XG ₃₂	1992 09 29.21275	23 57 31.55	+02 38 33.0		691
1996 HS ₈	1995 03 05.32035	10 49 40.11	+10 15 48.5		691	1996 XG ₃₂	1992 09 29.23673	23 57 30.29	+02 38 23.8		691
1996 OR ₁	1992 09 30.21511	23 50 59.99	-01 20 49.6	16.9 V	691	1996 XG ₃₂	1992 09 29.25963	23 57 28.92	+02 38 13.3	16.6 V	691
1996 OR ₁	1992 09 30.24026	23 50 58.47	-01 20 54.9		691	1996 XS ₃₂	1994 05 13.37267	15 25 12.17	-09 59 47.1	18.0 V	691
1996 OR ₁	1992 09 30.27046	23 50 56.59	-01 21 01.2		691	1996 XS ₃₂	1994 05 13.42092	15 25 09.45	-09 59 35.9		691
1996 RC ₁	1995 02 24.39240	11 35 06.86	+04 43 35.1	19.0 V	691	1996 YY	1992 12 24.41950	08 30 40.33	+16 52 23.1	17.6 V	691
1996 RC ₁	1995 02 24.41716	11 35 05.58	+04 43 44.9		691	1996 YY	1992 12 24.44561	08 30 39.31	+16 52 21.4		691
1996 RC ₁	1995 02 24.43860	11 35 04.45	+04 43 53.9		691	1996 YY	1992 12 24.47257	08 30 38.12	+16 52 19.7		691
1996 RU ₂	1993 09 19.38290	01 42 39.73	+09 45 43.3	18.0 V	691	1996 YO ₂	1991 11 02.22939	02 20 04.93	+10 44 43.2		691
1996 RU ₂	1993 09 19.41627	01 42 38.33	+09 45 35.9		691	1996 YO ₂	1991 11 02.25072	02 20 03.71	+10 44 38.6	17.3 V	691
1996 RU ₂	1993 09 19.44936	01 42 36.92	+09 45 28.7		691	1996 YO ₂	1991 11 02.27218	02 20 02.55	+10 44 34.3		691
1996 RG ₃	1997 03 05.46960	15 25 20.41	-14 05 20.7	17.3 V	691	1997 AR	1991 09 15.35736	23 54 12.80	+02 50 58.0	18.4 V	691
1996 RG ₃	1997 03 05.47511	15 25 19.78	-14 05 14.3	19.0 V	691	1997 AR	1991 09 15.39055	23 54 10.89	+02 50 47.3		691

1997 AR	1991 09 15.41243	23 54 09.63	+02 50 40.1		691	1997 AV ₇	1997 03 09.13279	08 25 02.05	+15 54 26.5	20.9 V	691
1997 AK ₁	1996 12 14.50920	08 26 05.30	+21 52 50.3	17.1 V	691	1997 AV ₇	1997 03 09.15437	08 25 01.69	+15 54 27.4	20.6 V	691
1997 AK ₁	1996 12 14.52403	08 26 05.06	+21 52 54.6	17.0 V	691	1997 AV ₇	1997 03 09.18954	08 25 01.08	+15 54 30.3	20.4 V	691
1997 AK ₁	1996 12 14.53929	08 26 04.81	+21 52 59.0	17.4 V	691	1997 AY ₇	1997 03 02.21362	08 33 05.25	+15 23 47.6	19.3 V	691
1997 AU ₁	1996 12 02.41629	08 28 47.88	+23 51 11.9	17.4 V	691	1997 AY ₇	1997 03 02.23609	08 33 04.36	+15 23 48.9	19.4 V	691
1997 AU ₁	1996 12 02.44152	08 28 48.21	+23 51 15.5	17.4 V	691	1997 AY ₇	1997 03 02.25804	08 33 03.49	+15 23 50.4	19.3 V	691
1997 AU ₁	1996 12 02.46668	08 28 48.54	+23 51 19.0	17.3 V	691	1997 AY ₇	1997 03 10.11982	08 28 57.79	+15 30 31.6	18.8 V	691
1997 AO ₂	1996 12 08.35540	08 44 17.23	+23 28 05.8	18.0 V	691	1997 AY ₇	1997 03 10.14184	08 28 57.22	+15 30 32.2	18.9 V	691
1997 AO ₂	1996 12 08.37808	08 44 17.16	+23 28 12.6	18.0 V	691	1997 AY ₇	1997 03 10.16356	08 28 56.67	+15 30 33.1	18.9 V	691
1997 AO ₂	1996 12 08.40072	08 44 17.08	+23 28 20.0	18.1 V	691	1997 AC ₈	1997 03 05.14272	08 27 19.66	+14 19 45.7	19.2 V	691
1997 AV ₂	1991 12 13.11239	01 56 47.08	+10 17 37.9		691	1997 AC ₈	1997 03 05.16462	08 27 19.05	+14 19 46.4	19.2 V	691
1997 AV ₂	1991 12 13.13292	01 56 46.68	+10 17 37.7	20.1 V	691	1997 AC ₈	1997 03 05.18645	08 27 18.44	+14 19 47.2	19.1 V	691
1997 AV ₂	1991 12 13.15365	01 56 46.30	+10 17 38.4		691	1997 AC ₈	1997 03 13.12960	08 24 41.47	+14 22 35.6	19.0 V	691
1997 AV ₂	1996 12 04.38039	08 20 13.97	+22 07 37.8	18.3 V	691	1997 AC ₈	1997 03 13.15207	08 24 41.12	+14 22 36.2	19.0 V	691
1997 AV ₂	1996 12 04.45984	08 20 15.27	+22 07 45.5	18.4 V	691	1997 AC ₈	1997 03 13.17506	08 24 40.81	+14 22 36.1	18.9 V	691
1997 AV ₂	1996 12 04.50592	08 20 16.05	+22 07 49.7	18.2 V	691	1997 AF ₈	1997 03 02.21538	08 35 37.96	+15 12 06.7	19.9 V	691
1997 AN ₄	1995 10 15.31196	01 13 27.10	+09 30 51.6		691	1997 AF ₈	1997 03 02.23786	08 35 37.32	+15 12 08.8	19.9 V	691
1997 AN ₄	1995 10 15.33329	01 13 25.78	+09 30 43.4	18.2 V	691	1997 AF ₈	1997 03 02.25980	08 35 36.69	+15 12 11.0	19.8 V	691
1997 AN ₄	1995 10 15.35423	01 13 24.50	+09 30 35.7		691	1997 AF ₈	1997 03 10.12264	08 33 01.85	+15 21 53.6	19.8 V	691
1997 AP ₄	1996 12 07.40445	09 01 37.11	+14 35 46.0	17.6 V	691	1997 AF ₈	1997 03 10.14466	08 33 01.53	+15 21 54.8	19.9 V	691
1997 AP ₄	1996 12 07.42947	09 01 37.59	+14 35 42.2	17.6 V	691	1997 AF ₈	1997 03 10.16639	08 33 01.20	+15 21 55.9	19.8 V	691
1997 AP ₄	1996 12 07.45467	09 01 38.18	+14 35 38.1	17.4 V	691	1997 AG ₈	1997 02 16.26337	08 35 04.04	+14 58 28.6	17.9 V	691
1997 AR ₄	1995 09 27.45966	02 10 29.55	+13 34 34.4		691	1997 AG ₈	1997 02 16.29744	08 35 02.01	+14 58 34.3	18.0 V	691
1997 AR ₄	1995 09 27.47598	02 10 29.07	+13 34 31.4	17.8 V	691	1997 AG ₈	1997 02 16.33721	08 34 59.64	+14 58 40.8	18.1 V	691
1997 AR ₄	1995 09 27.49241	02 10 28.44	+13 34 28.0		691	1997 AG ₈	1997 03 02.20743	08 24 08.66	+15 30 56.3	17.9 V	691
1997 AU ₄	1996 11 12.48682	09 05 05.17	+14 58 17.1	18.7 V	691	1997 AG ₈	1997 03 02.22990	08 24 07.80	+15 30 58.6	18.0 V	691
1997 AU ₄	1996 11 12.50839	09 05 06.00	+14 58 12.5	18.6 V	691	1997 AG ₈	1997 03 02.25184	08 24 06.99	+15 31 01.1	18.0 V	691
1997 AU ₄	1996 11 12.52989	09 05 06.83	+14 58 07.7	18.5 V	691	1997 AG ₈	1997 03 09.12991	08 20 52.45	+15 41 36.6	18.7 V	691
1997 AX ₅	1997 02 15.12195	08 34 57.09	+15 51 14.1	17.9 V	691	1997 AG ₈	1997 03 09.15149	08 20 51.94	+15 41 38.4	18.8 V	691
1997 AX ₅	1997 02 15.14412	08 34 55.86	+15 51 15.1	17.8 V	691	1997 AG ₈	1997 03 09.18666	08 20 51.11	+15 41 40.9	18.7 V	691
1997 AX ₅	1997 02 15.17039	08 34 54.36	+15 51 16.3	17.8 V	691	1997 AB ₁₀	1997 01 17.27478	09 25 16.60	+13 57 05.9	20.5 V	691
1997 AX ₅	1997 03 02.13978	08 25 02.61	+15 53 53.9	18.6 V	691	1997 AB ₁₀	1997 01 17.29637	09 25 15.68	+13 57 13.1	20.7 V	691
1997 AX ₅	1997 03 02.16180	08 25 02.03	+15 53 53.5	18.7 V	691	1997 AB ₁₀	1997 01 17.31815	09 25 14.75	+13 57 21.0	20.4 V	691
1997 AX ₅	1997 03 02.18503	08 25 01.42	+15 53 53.2	18.7 V	691	1997 AQ ₁₁	1997 03 04.13541	08 32 30.70	+14 44 55.4	19.4 V	691
1997 AX ₅	1997 03 09.13149	08 23 09.63	+15 49 52.9	18.6 V	691	1997 AQ ₁₁	1997 03 04.15722	08 32 30.08	+14 44 57.7	19.6 V	691
1997 AX ₅	1997 03 09.15308	08 23 09.41	+15 49 51.9	18.7 V	691	1997 AQ ₁₁	1997 03 04.17896	08 32 29.46	+14 44 59.7	19.7 V	691
1997 AX ₅	1997 03 09.18825	08 23 09.01	+15 49 50.0	18.5 V	691	1997 AQ ₁₁	1997 03 12.12582	08 29 43.49	+14 55 29.8	19.9 V	691
1997 AD ₇	1992 12 25.50630	08 42 28.63	+15 00 39.7		691	1997 AQ ₁₁	1997 03 12.14758	08 29 43.16	+14 55 31.2	19.8 V	691
1997 AD ₇	1992 12 25.52751	08 42 27.70	+15 00 42.0	17.6 V	691	1997 AQ ₁₁	1997 03 12.16995	08 29 42.82	+14 55 32.6	19.7 V	691
1997 AD ₇	1992 12 25.54862	08 42 26.80	+15 00 44.9		691	1997 AK ₁₂	1997 01 09.21598	08 11 27.41	+19 56 04.4	20.0 V	691
1997 AD ₇	1995 06 03.39020	21 13 41.99	-12 30 22.5	16.8 V	691	1997 AK ₁₂	1997 01 09.23822	08 11 25.92	+19 56 09.7	19.9 V	691
1997 AD ₇	1995 06 03.41028	21 13 42.97	-12 30 16.8		691	1997 AK ₁₂	1997 01 09.26044	08 11 24.42	+19 56 14.5	19.7 V	691
1997 AD ₇	1995 06 03.43066	21 13 43.98	-12 30 10.9		691	1997 AL ₁₂	1997 01 09.21612	08 11 39.33	+19 57 54.8	20.3 V	691
1997 AE ₇	1997 03 02.21186	08 30 32.50	+15 06 29.3	18.0 V	691	1997 AL ₁₂	1997 01 09.23836	08 11 38.09	+19 58 01.5	20.4 V	691
1997 AE ₇	1997 03 02.23433	08 30 31.93	+15 06 36.0	17.9 V	691	1997 AL ₁₂	1997 01 09.26058	08 11 36.83	+19 58 07.6	20.2 V	691
1997 AE ₇	1997 03 02.25628	08 30 31.35	+15 06 42.8	17.9 V	691	1997 AB ₁₃	1994 03 05.47980	12 37 33.69	+01 24 30.9	16.8 V	691
1997 AG ₇	1997 03 04.13590	08 33 12.93	+14 33 05.7	19.3 V	691	1997 AB ₁₃	1994 03 05.49475	12 37 33.00	+01 24 35.7		691
1997 AG ₇	1997 03 04.15771	08 33 12.64	+14 33 10.3	19.2 V	691	1997 AB ₁₃	1994 03 05.50987	12 37 32.31	+01 24 40.4		691
1997 AG ₇	1997 03 04.17945	08 33 12.32	+14 33 14.8	19.4 V	691	1997 AC ₁₄	1997 01 09.22008	08 17 31.19	+19 33 40.9	19.3 V	691
1997 AV ₇	1997 03 02.14151	08 27 32.97	+15 45 06.9	20.6 V	691	1997 AC ₁₄	1997 01 09.24232	08 17 30.08	+19 33 52.4	19.2 V	691
1997 AV ₇	1997 03 02.16353	08 27 32.34	+15 45 09.2	20.4 V	691	1997 AC ₁₄	1997 01 09.26454	08 17 28.92	+19 34 03.8	19.1 V	691
1997 AV ₇	1997 03 02.18677	08 27 31.65	+15 45 11.2	20.5 V	691	1997 AA ₁₇	1997 01 09.28291	08 10 34.00	+19 00 57.8	19.0 V	691

1997 AA ₁₇	1997 01 09.30509	08 10 32.46	+19 01 02.7	19.0 V	691	1997 CZ ₃	1997 03 04.28025	07 49 18.22	+20 11 13.8	22.1 V	691
1997 AA ₁₇	1997 01 09.32797	08 10 30.85	+19 01 07.8	19.0 V	691	1997 CD ₄	1997 03 03.31374	10 19 28.56	+07 18 56.4	18.6 V	691
1997 AX ₁₇	1997 02 02.31919	09 26 46.68	+21 17 04.9	17.4 V	691	1997 CD ₄	1997 03 03.33561	10 19 27.29	+07 19 04.5	18.4 V	691
1997 AX ₁₇	1997 02 02.35173	09 26 44.36	+21 17 17.0	17.4 V	691	1997 CD ₄	1997 03 03.35699	10 19 26.05	+07 19 12.4	18.5 V	691
1997 AX ₁₇	1997 02 02.38596	09 26 41.92	+21 17 28.1	17.5 V	691	1997 CD ₄	1997 03 10.26141	10 13 13.20	+08 00 53.9	18.7 V	691
1997 AU ₁₉	1997 01 02.39974	09 20 59.33	+13 41 17.2	19.7 V	691	1997 CD ₄	1997 03 10.29462	10 13 11.45	+08 01 05.4	18.8 V	691
1997 AU ₁₉	1997 01 02.42327	09 20 58.58	+13 41 18.3	19.6 V	691	1997 CD ₄	1997 03 10.32321	10 13 09.94	+08 01 15.5	18.6 V	691
1997 AU ₁₉	1997 01 02.44635	09 20 57.87	+13 41 19.1	19.5 V	691	1997 CD ₄	1997 03 11.27740	10 12 21.57	+08 06 47.4	18.7 V	691
1997 AU ₁₉	1997 03 02.14873	08 37 58.20	+15 38 49.5	20.2 V	691	1997 CD ₄	1997 03 11.29883	10 12 20.43	+08 06 54.5	18.8 V	691
1997 AU ₁₉	1997 03 02.17075	08 37 57.54	+15 38 51.3	20.0 V	691	1997 CD ₄	1997 03 11.32141	10 12 19.26	+08 07 02.5	18.6 V	691
1997 AU ₁₉	1997 03 02.19399	08 37 56.84	+15 38 52.8	19.9 V	691	1997 CP ₄	1997 02 01.44419	10 20 17.65	+10 39 05.0	19.0 V	691
1997 AU ₁₉	1997 03 09.13985	08 35 13.15	+15 47 18.4	20.4 V	691	1997 CP ₄	1997 02 01.46583	10 20 16.38	+10 39 04.7	18.9 V	691
1997 AU ₁₉	1997 03 09.16143	08 35 12.71	+15 47 19.9	20.2 V	691	1997 CP ₄	1997 02 01.50400	10 20 14.13	+10 39 05.1	18.8 V	691
1997 AU ₁₉	1997 03 09.19660	08 35 12.02	+15 47 22.0	19.9 V	691	1997 CP ₅	1997 02 01.44302	10 18 36.91	+10 31 02.2	20.1 V	691
1997 AB ₂₁	1997 01 10.40119	09 20 31.01	+13 37 09.8	21.1 V	691	1997 CP ₅	1997 02 01.46466	10 18 35.76	+10 31 11.7	20.2 V	691
1997 AB ₂₁	1997 01 10.42332	09 20 30.15	+13 37 14.8	21.4 V	691	1997 CP ₅	1997 02 01.50285	10 18 33.79	+10 31 28.1	20.1 V	691
1997 AK ₂₁	1991 09 14.14013	22 54 40.71	-00 01 07.1	17.5 V	691	1997 CR ₅	1997 02 03.36900	10 17 06.30	+10 28 19.4	18.5 V	691
1997 AK ₂₁	1991 09 14.16081	22 54 39.63	-00 01 15.8		691	1997 CR ₅	1997 02 03.39041	10 17 05.33	+10 28 26.3	18.4 V	691
1997 AK ₂₁	1991 09 14.18096	22 54 38.61	-00 01 24.2		691	1997 CR ₅	1997 02 03.41161	10 17 04.38	+10 28 32.4	18.6 V	691
1997 AP ₂₁	1994 04 03.30446	12 17 57.69	+01 09 27.2	17.5 V	691	1997 CS ₅	1997 02 03.36941	10 18 05.94	+10 00 54.5	19.8 V	691
1997 AP ₂₁	1994 04 03.36219	12 17 54.24	+01 09 44.5		691	1997 CS ₅	1997 02 03.39077	10 18 04.86	+10 01 03.2	19.7 V	691
1997 AE ₂₂	1997 01 03.26052	08 05 40.62	+20 01 59.1	18.8 V	691	1997 CS ₅	1997 02 03.41197	10 18 03.83	+10 01 10.7	20.1 V	691
1997 AE ₂₂	1997 01 03.28266	08 05 39.35	+20 02 04.2	18.8 V	691	1997 CX ₅	1997 03 03.14653	07 49 46.53	+10 37 31.5	19.4 V	691
1997 AE ₂₂	1997 01 03.30495	08 05 38.06	+20 02 08.8	18.8 V	691	1997 CX ₅	1997 03 03.15983	07 49 46.32	+10 37 17.0	19.3 V	691
1997 BZ	1996 12 14.43040	08 16 24.07	+22 25 24.7	18.8 V	691	1997 CX ₅	1997 03 14.25788	07 51 04.10	+07 24 09.6	19.6 V	691
1997 BZ	1996 12 14.45320	08 16 23.37	+22 25 24.0	18.8 V	691	1997 CX ₅	1997 03 14.27667	07 51 04.49	+07 23 52.0	19.9 V	691
1997 BZ	1996 12 14.47570	08 16 22.60	+22 25 23.1	18.6 V	691	1997 CL ₁₃	1997 01 31.50455	11 56 40.26	+05 22 32.4	18.1 V	691
1997 BF ₂	1996 12 08.44412	08 34 55.58	+23 17 14.6	19.2 V	691	1997 CL ₁₃	1997 01 31.52186	11 56 40.16	+05 22 38.6	18.4 V	691
1997 BF ₂	1996 12 08.46741	08 34 55.11	+23 17 09.5	18.9 V	691	1997 CL ₁₃	1997 01 31.53920	11 56 40.07	+05 22 44.9	18.1 V	691
1997 BO ₃	1995 10 19.16440	00 55 40.64	+00 09 29.9		691	1997 CZ ₁₄	1992 10 18.29029	01 42 31.05	+09 24 47.0	17.0 V	691
1997 BO ₃	1995 10 19.18503	00 55 39.56	+00 09 24.2	17.1 V	691	1997 CZ ₁₄	1992 10 18.31191	01 42 29.76	+09 24 44.6		691
1997 BO ₃	1995 10 19.20565	00 55 38.43	+00 09 19.1		691	1997 CS ₁₇	1997 02 07.41666	10 28 47.41	+11 01 11.2	20.4 V	691
1997 BT ₅	1997 02 01.44258	10 17 58.40	+10 53 12.7	19.7 V	691	1997 CS ₁₇	1997 02 07.43809	10 28 46.33	+11 01 21.6	20.4 V	691
1997 BT ₅	1997 02 01.46423	10 17 57.32	+10 53 17.2	19.9 V	691	1997 CU ₁₇	1997 02 07.44294	10 35 46.47	+10 39 30.4	20.2 V	691
1997 BT ₅	1997 02 01.50243	10 17 55.55	+10 53 25.4	19.7 V	691	1997 CE ₁₈	1997 03 14.25193	08 53 02.50	+14 35 12.7	20.9 V	691
1997 BU ₅	1997 02 01.44240	10 17 30.99	+10 37 32.5	18.0 V	691	1997 CE ₁₈	1997 03 14.27143	08 53 02.14	+14 35 15.9	20.7 V	691
1997 BU ₅	1997 02 01.46408	10 17 29.77	+10 37 37.7	18.3 V	691	1997 CE ₁₈	1997 03 14.28284	08 53 01.89	+14 35 17.9	20.7 V	691
1997 BU ₅	1997 02 01.50227	10 17 27.79	+10 37 47.9	18.1 V	691	1997 CS ₁₉	1997 03 05.34995	11 00 35.65	+16 37 29.9	17.4 V	691
1997 BV ₅	1997 02 01.44256	10 17 57.11	+10 36 57.3	18.2 V	691	1997 CS ₁₉	1997 03 05.37191	11 00 34.35	+16 37 37.3	17.4 V	691
1997 BV ₅	1997 02 01.46423	10 17 55.95	+10 37 02.6	18.5 V	691	1997 CS ₁₉	1997 03 05.39547	11 00 32.97	+16 37 45.6	17.4 V	691
1997 BV ₅	1997 02 01.50242	10 17 54.09	+10 37 12.9	18.2 V	691	1997 CS ₁₉	1997 03 12.27658	10 54 09.94	+17 14 00.7	17.4 V	691
1997 BB ₉	1997 02 06.34197	10 42 48.03	+09 39 33.3	18.1 V	691	1997 CS ₁₉	1997 03 12.31298	10 54 07.88	+17 14 11.1	17.4 V	691
1997 BB ₉	1997 02 06.36336	10 42 47.11	+09 39 35.0	18.2 V	691	1997 CS ₁₉	1997 03 12.36191	10 54 05.09	+17 14 24.5	17.5 V	691
1997 BB ₉	1997 02 06.38472	10 42 46.15	+09 39 36.6	18.1 V	691	1997 CW ₂₁	1997 02 06.48348	12 00 57.95	+05 28 26.6	19.4 V	691
1997 CA ₁	1997 01 09.51152	10 23 43.06	+11 21 21.4	18.9 V	691	1997 CW ₂₁	1997 02 06.50467	12 00 57.61	+05 28 31.8	19.1 V	691
1997 CA ₁	1997 01 09.52939	10 23 42.69	+11 21 19.7	18.9 V	691	1997 CW ₂₁	1997 02 06.52599	12 00 57.28	+05 28 37.2	19.1 V	691
1997 CA ₁	1997 01 09.54762	10 23 42.29	+11 21 19.7	19.1 V	691	1997 CH ₂₂	1997 03 03.32644	10 37 49.07	+07 19 49.6	19.0 V	691
1997 CY ₂	1995 11 27.14497	02 05 16.72	+07 04 46.2	18.6 V	691	1997 CH ₂₂	1997 03 03.34831	10 37 47.81	+07 19 54.4	19.0 V	691
1997 CY ₂	1995 11 27.16697	02 05 15.95	+07 04 44.1		691	1997 CH ₂₂	1997 03 03.36969	10 37 46.59	+07 19 58.7	19.0 V	691
1997 CY ₂	1995 11 27.18786	02 05 15.24	+07 04 41.9		691	1997 CH ₂₂	1997 03 10.27420	10 31 40.66	+07 42 52.3	19.3 V	691
1997 CZ ₃	1997 03 04.26315	07 49 18.67	+20 11 15.2	22.3 V	691	1997 CH ₂₂	1997 03 10.30740	10 31 38.90	+07 42 58.4	19.2 V	691
1997 CZ ₃	1997 03 04.26899	07 49 18.50	+20 11 13.6	22.2 V	691	1997 CH ₂₂	1997 03 10.33599	10 31 37.39	+07 43 03.9	19.3 V	691

1997 CL ₂₂	1997 03 04.30756	10 36 00.65	+08 07 22.3	16.4 V	691	1997 EB ₁	1997 03 03.19909	10 14 27.64	+01 22 29.8	18.4 V	691
1997 CL ₂₂	1997 03 04.32857	10 35 59.40	+08 07 28.9	16.4 V	691	1997 EB ₁	1997 03 03.22222	10 14 26.24	+01 22 36.3	18.4 V	691
1997 CL ₂₂	1997 03 04.35020	10 35 58.16	+08 07 36.1	16.4 V	691	1997 EB ₁	1997 03 04.35816	10 13 19.58	+01 27 56.1	18.5 V	691
1997 CR ₂₂	1997 02 07.19120	08 17 24.21	+20 08 01.7	20.6 V	691	1997 EB ₁	1997 03 04.36361	10 13 19.25	+01 27 57.7	18.5 V	691
1997 CR ₂₂	1997 02 07.21342	08 17 22.88	+20 08 04.3	20.4 V	691	1997 EB ₁	1997 03 04.36903	10 13 18.93	+01 27 59.2	18.4 V	691
1997 CJ ₂₄	1997 02 11.19930	08 15 27.64	+19 46 52.1	20.5 V	691	1997 EB ₁	1997 03 09.20861	10 08 46.83	+01 51 17.6	18.5 V	691
1997 CC ₂₆	1997 01 09.34777	09 05 58.58	+22 05 46.9	18.2 V	691	1997 EB ₁	1997 03 09.21401	10 08 46.46	+01 51 18.5	18.1 V	691
1997 CC ₂₆	1997 01 09.37037	09 05 57.36	+22 05 53.4	18.4 V	691	1997 EB ₁	1997 03 09.21894	10 08 46.26	+01 51 19.7	18.2 V	691
1997 CC ₂₆	1997 01 09.39287	09 05 56.16	+22 05 59.1	18.4 V	691	1997 EB ₁	1997 03 09.23953	10 08 45.12	+01 51 26.7	18.4 V	691
1997 CH ₂₆	1997 03 12.20098	11 01 35.00	+16 36 20.9	18.3 V	691	1997 EB ₁	1997 03 09.26052	10 08 43.94	+01 51 32.9	18.4 V	691
1997 CH ₂₆	1997 03 12.22319	11 01 33.90	+16 36 28.2	18.4 V	691	1997 EB ₁	1997 03 09.28141	10 08 42.75	+01 51 39.2	18.4 V	691
1997 CH ₂₆	1997 03 12.24562	11 01 32.78	+16 36 35.8	18.4 V	691	1997 EC ₁	* 1997 03 03.23745	10 03 22.97	+01 59 02.5	21.4 V	691
1997 CK ₂₆	1997 03 13.35835	10 59 27.17	+18 27 52.6	18.1 V	691	1997 EC ₁	1997 03 03.25896	10 03 21.90	+01 59 12.3	21.2 V	691
1997 CK ₂₆	1997 03 13.38146	10 59 25.78	+18 27 57.2	17.9 V	691	1997 EC ₁	1997 03 03.28501	10 03 20.65	+01 59 24.2	21.5 V	691
1997 CK ₂₆	1997 03 13.40368	10 59 24.45	+18 28 02.1	18.0 V	691	1997 EC ₁	1997 03 04.19630	10 02 37.71	+02 06 22.7	20.8 V	691
1997 CU ₂₆	1997 03 02.14154	08 27 34.94	+15 39 50.1	18.1 V	691	1997 EC ₁	1997 03 04.21848	10 02 36.65	+02 06 33.4	21.1 V	691
1997 CU ₂₆	1997 03 02.16356	08 27 34.70	+15 39 50.7	18.1 V	691	1997 EC ₁	1997 03 04.24037	10 02 35.60	+02 06 43.4	21.4 V	691
1997 CU ₂₆	1997 03 02.18680	08 27 34.44	+15 39 50.9	18.2 V	691	1997 ED ₁	* 1997 03 03.23901	10 05 37.91	+01 59 07.1	21.1 V	691
1997 CO ₂₇	1997 01 11.45203	09 33 56.45	+12 47 40.2	16.1 V	691	1997 ED ₁	1997 03 03.26052	10 05 36.76	+01 59 18.1	21.1 V	691
1997 CO ₂₇	1997 01 11.47395	09 33 55.41	+12 47 36.4	16.1 V	691	1997 ED ₁	1997 03 03.28657	10 05 35.31	+01 59 31.8	21.3 V	691
1997 CO ₂₇	1997 01 11.49581	09 33 54.39	+12 47 31.9	16.1 V	691	1997 ED ₁	1997 03 04.19780	10 04 47.85	+02 07 24.4	21.2 V	691
1997 CW ₂₇	1997 02 11.32545	09 24 24.51	+13 56 29.2	17.7 V	691	1997 ED ₁	1997 03 04.21998	10 04 46.61	+02 07 36.3	21.9 V	691
1997 CW ₂₇	1997 02 11.34750	09 24 23.13	+13 56 34.7	17.8 V	691	1997 ED ₁	1997 03 04.24187	10 04 45.46	+02 07 47.4	21.4 V	691
1997 CW ₂₇	1997 02 11.39219	09 24 20.33	+13 56 46.4	17.8 V	691	1997 EE ₁	* 1997 03 03.24001	10 07 04.50	+01 58 54.2	20.4 V	691
1997 CG ₂₈	1997 02 16.35134	10 22 29.86	+10 13 38.2	17.6 V	691	1997 EE ₁	1997 03 03.26152	10 07 03.47	+01 59 06.8	20.4 V	691
1997 CG ₂₈	1997 02 16.37250	10 22 28.66	+10 13 41.9	17.4 V	691	1997 EE ₁	1997 03 03.28757	10 07 02.19	+01 59 22.2	20.6 V	691
1997 CG ₂₈	1997 02 16.39701	10 22 27.27	+10 13 45.5	18.3 V	691	1997 EE ₁	1997 03 04.19886	10 06 20.00	+02 08 23.2	20.4 V	691
1997 CT ₂₈	1997 01 31.30857	09 34 09.38	+13 06 38.3	19.1 V	691	1997 EE ₁	1997 03 04.22104	10 06 18.94	+02 08 36.9	20.8 V	691
1997 CT ₂₈	1997 01 31.33043	09 34 08.15	+13 06 47.0	19.1 V	691	1997 EE ₁	1997 03 04.24294	10 06 17.91	+02 08 49.5	20.7 V	691
1997 CT ₂₈	1997 01 31.35175	09 34 06.97	+13 06 55.5	18.9 V	691	1997 EF ₁	* 1997 03 03.24140	10 09 05.07	+01 59 36.6	21.1 V	691
1997 CU ₂₈	1997 01 31.30892	09 34 40.12	+13 30 09.9	17.4 V	691	1997 EF ₁	1997 03 03.26291	10 09 04.10	+01 59 41.0	21.3 V	691
1997 CU ₂₈	1997 01 31.33078	09 34 38.83	+13 30 14.0	17.3 V	691	1997 EF ₁	1997 03 03.28896	10 09 02.89	+01 59 45.8	21.3 V	691
1997 CU ₂₈	1997 01 31.35210	09 34 37.58	+13 30 18.0	17.2 V	691	1997 EF ₁	1997 03 04.20027	10 08 22.13	+02 02 45.3	22.0 V	691
1997 CA ₂₉	1997 02 10.46702	10 30 29.35	+09 36 26.0	19.4 V	691	1997 EF ₁	1997 03 04.22245	10 08 21.13	+02 02 50.3	21.3 V	691
1997 CA ₂₉	1997 02 10.48864	10 30 28.26	+09 36 30.2	19.5 V	691	1997 EF ₁	1997 03 04.24435	10 08 20.12	+02 02 54.5	21.3 V	691
1997 CA ₂₉	1997 02 10.51111	10 30 27.12	+09 36 34.5	19.2 V	691	1997 EF ₁	1997 03 10.19344	10 04 03.13	+02 22 54.5	21.2 V	691
1997 CB ₂₉	1997 02 10.46750	10 31 10.96	+09 34 46.2	19.1 V	691	1997 EF ₁	1997 03 10.21500	10 04 02.20	+02 22 59.0	21.5 V	691
1997 CB ₂₉	1997 02 10.48912	10 31 09.92	+09 34 54.6	19.0 V	691	1997 EF ₁	1997 03 10.23592	10 04 01.32	+02 23 03.2	21.2 V	691
1997 CB ₂₉	1997 02 10.51159	10 31 08.85	+09 35 03.7	18.9 V	691	1997 EG ₁	* 1997 03 03.24648	10 16 25.00	+01 59 01.4	20.1 V	691
1997 EU	* 1997 03 02.50547	14 19 01.07	+03 23 29.3	19.6 V	691	1997 EG ₁	1997 03 03.26799	10 16 23.78	+01 59 10.4	20.0 V	691
1997 EU	1997 03 02.51938	14 19 01.15	+03 23 36.7	19.5 V	691	1997 EG ₁	1997 03 03.29403	10 16 22.27	+01 59 21.1	20.2 V	691
1997 EU	1997 03 02.53369	14 19 01.19	+03 23 44.2	19.6 V	691	1997 EG ₁	1997 03 04.20524	10 15 32.80	+02 05 34.6	20.2 V	691
1997 EU	1997 03 03.47613	14 19 06.06	+03 32 08.4	19.7 V	691	1997 EG ₁	1997 03 04.22742	10 15 31.50	+02 05 43.5	19.9 V	691
1997 EU	1997 03 03.49738	14 19 06.12	+03 32 20.1	19.6 V	691	1997 EG ₁	1997 03 04.24932	10 15 30.29	+02 05 53.1	20.1 V	691
1997 EU	1997 03 03.51854	14 19 06.18	+03 32 31.3	19.6 V	691	1997 EG ₁	1997 03 11.21739	10 09 35.42	+02 54 15.3	20.5 V	691
1997 EA ₁	* 1997 03 03.17738	10 13 50.59	+01 01 33.7	19.3 V	691	1997 EG ₁	1997 03 11.23901	10 09 34.37	+02 54 24.8	20.4 V	691
1997 EA ₁	1997 03 03.19865	10 13 49.37	+01 02 05.3	19.1 V	691	1997 EG ₁	1997 03 11.26166	10 09 33.24	+02 54 34.2	20.4 V	691
1997 EA ₁	1997 03 03.22178	10 13 48.05	+01 02 39.4	18.9 V	691	1997 EH ₁	* 1997 03 03.24836	10 19 08.36	+01 54 46.2	20.7 V	691
1997 EA ₁	1997 03 04.35779	10 12 46.86	+01 30 42.1	19.2 V	691	1997 EH ₁	1997 03 03.26988	10 19 07.28	+01 54 55.4	20.9 V	691
1997 EA ₁	1997 03 04.36323	10 12 46.54	+01 30 50.2	19.1 V	691	1997 EH ₁	1997 03 03.29592	10 19 05.97	+01 55 07.0	20.8 V	691
1997 EA ₁	1997 03 04.36865	10 12 46.23	+01 30 58.2	19.1 V	691	1997 EH ₁	1997 03 04.20720	10 18 22.09	+02 01 52.2	21.0 V	691
1997 EB ₁	* 1997 03 03.17782	10 14 28.92	+01 22 23.6	18.4 V	691	1997 EH ₁	1997 03 04.22938	10 18 20.99	+02 02 02.0	21.1 V	691

1997 EH ₁	1997 03 04.25128	10 18 19.88	+02 02 12.9	20.7 V	691	1997 EO ₁	1997 03 03.41279	10 22 05.50	+07 59 25.4	19.2 V	691
1997 EH ₁	1997 03 11.21978	10 13 02.48	+02 54 11.4	21.3 V	691	1997 EO ₁	1997 03 03.43394	10 22 04.38	+07 59 33.5	19.2 V	691
1997 EH ₁	1997 03 11.24140	10 13 01.48	+02 54 20.7	20.9 V	691	1997 EO ₁	1997 03 04.29740	10 21 20.49	+08 04 45.0	19.3 V	691
1997 EH ₁	1997 03 11.26406	10 13 00.54	+02 54 31.5	20.6 V	691	1997 EO ₁	1997 03 04.31841	10 21 19.38	+08 04 52.5	19.1 V	691
1997 EJ ₁	* 1997 03 03.25044	10 22 07.86	+01 58 56.0	20.4 V	691	1997 EO ₁	1997 03 04.34005	10 21 18.24	+08 04 59.7	19.2 V	691
1997 EJ ₁	1997 03 03.27195	10 22 06.70	+01 59 00.7	20.7 V	691	1997 EP ₁	* 1997 03 03.39222	10 23 26.90	+07 59 29.0	19.9 V	691
1997 EJ ₁	1997 03 03.29799	10 22 05.29	+01 59 06.2	20.7 V	691	1997 EP ₁	1997 03 03.41371	10 23 25.69	+07 59 35.4	19.9 V	691
1997 EJ ₁	1997 03 04.20923	10 21 17.98	+02 02 24.4	20.6 V	691	1997 EP ₁	1997 03 03.43487	10 23 24.49	+07 59 42.2	19.9 V	691
1997 EJ ₁	1997 03 04.23141	10 21 16.80	+02 02 29.1	20.9 V	691	1997 EP ₁	1997 03 04.29829	10 22 37.01	+08 04 12.1	19.8 V	691
1997 EJ ₁	1997 03 04.25330	10 21 15.62	+02 02 34.4	20.6 V	691	1997 EP ₁	1997 03 04.31929	10 22 35.82	+08 04 18.7	19.8 V	691
1997 EJ ₁	1997 03 10.20191	10 16 16.92	+02 24 45.2	20.6 V	691	1997 EP ₁	1997 03 04.34093	10 22 34.57	+08 04 24.9	20.1 V	691
1997 EJ ₁	1997 03 10.22347	10 16 15.82	+02 24 50.0	21.0 V	691	1997 EP ₁	1997 03 11.34629	10 16 23.13	+08 39 42.4	20.1 V	691
1997 EJ ₁	1997 03 10.24439	10 16 14.77	+02 24 54.6	21.0 V	691	1997 EP ₁	1997 03 11.36755	10 16 22.02	+08 39 48.2	19.8 V	691
1997 EK ₁	* 1997 03 03.26550	10 12 47.86	+01 31 11.8	20.9 V	691	1997 EP ₁	1997 03 11.38933	10 16 20.90	+08 39 54.7	20.1 V	691
1997 EK ₁	1997 03 03.29154	10 12 46.32	+01 31 19.1	21.2 V	691	1997 EQ ₁	* 1997 03 03.39920	10 33 32.59	+07 56 08.7	19.9 V	691
1997 EK ₁	1997 03 04.35709	10 11 46.98	+01 36 27.9	20.3 V	691	1997 EQ ₁	1997 03 03.42070	10 33 31.33	+07 56 15.5	19.9 V	691
1997 EK ₁	1997 03 04.36254	10 11 46.62	+01 36 29.1	21.1 V	691	1997 EQ ₁	1997 03 03.44185	10 33 30.08	+07 56 22.2	19.9 V	691
1997 EK ₁	1997 03 04.36796	10 11 46.32	+01 36 30.7	21.0 V	691	1997 EQ ₁	1997 03 04.30526	10 32 41.07	+08 01 05.8	19.8 V	691
1997 EK ₁	1997 03 08.31746	10 08 12.94	+01 55 57.6	21.4 V	691	1997 EQ ₁	1997 03 04.34790	10 32 38.55	+08 01 19.7	20.0 V	691
1997 EK ₁	1997 03 08.33834	10 08 11.82	+01 56 03.2	21.7 V	691	1997 ER ₁	* 1997 03 03.40159	10 36 59.31	+07 54 46.4	20.5 V	691
1997 EK ₁	1997 03 08.35933	10 08 10.68	+01 56 09.8	21.2 V	691	1997 ER ₁	1997 03 03.42308	10 36 58.36	+07 54 56.5	20.3 V	691
1997 EK ₁	1997 03 09.20769	10 07 26.69	+02 00 23.4	21.1 V	691	1997 ER ₁	1997 03 03.44424	10 36 57.47	+07 55 05.4	20.1 V	691
1997 EK ₁	1997 03 09.21308	10 07 26.33	+02 00 24.8	20.6 V	691	1997 ER ₁	1997 03 04.30780	10 36 21.01	+08 01 58.4	20.4 V	691
1997 EK ₁	1997 03 09.21801	10 07 26.12	+02 00 26.1	20.6 V	691	1997 ER ₁	1997 03 04.32881	10 36 20.08	+08 02 07.9	20.7 V	691
1997 EK ₁	1997 03 09.23860	10 07 25.04	+02 00 32.2	20.9 V	691	1997 ER ₁	1997 03 04.35045	10 36 19.16	+08 02 18.5	20.5 V	691
1997 EK ₁	1997 03 09.25959	10 07 23.92	+02 00 38.9	20.9 V	691	1997 ER ₁	1997 03 11.35678	10 31 31.89	+08 56 35.5	20.7 V	691
1997 EK ₁	1997 03 09.28048	10 07 22.80	+02 00 45.4	20.9 V	691	1997 ER ₁	1997 03 11.37805	10 31 31.00	+08 56 45.3	20.7 V	691
1997 EK ₁	1997 03 10.19520	10 06 35.96	+02 05 19.5	21.3 V	691	1997 EU ₁	* 1997 03 03.48181	14 27 17.50	+03 45 51.5	20.4 V	691
1997 EK ₁	1997 03 10.21676	10 06 34.83	+02 05 26.2	21.2 V	691	1997 EU ₁	1997 03 03.50305	14 27 17.59	+03 46 04.6	20.4 V	691
1997 EK ₁	1997 03 10.23768	10 06 33.73	+02 05 32.5	21.1 V	691	1997 EU ₁	1997 03 03.52422	14 27 17.65	+03 46 17.6	20.6 V	691
1997 EL ₁	* 1997 03 03.38577	10 14 07.78	+07 59 43.2	19.1 V	691	1997 EU ₁	1997 03 05.50149	14 27 24.80	+04 07 05.8	20.5 V	691
1997 EL ₁	1997 03 03.40727	10 14 06.66	+07 59 48.5	19.1 V	691	1997 EU ₁	1997 03 05.51975	14 27 24.83	+04 07 17.8	20.4 V	691
1997 EL ₁	1997 03 03.42842	10 14 05.54	+07 59 53.8	18.9 V	691	1997 EU ₁	1997 03 05.53701	14 27 24.87	+04 07 28.7	20.3 V	691
1997 EL ₁	1997 03 04.29188	10 13 22.17	+08 03 25.3	19.0 V	691	1997 EV ₁	* 1997 03 04.19491	10 00 37.54	+02 24 32.4	19.8 V	691
1997 EL ₁	1997 03 04.31289	10 13 21.05	+08 03 30.7	19.1 V	691	1997 EV ₁	1997 03 04.21709	10 00 36.48	+02 24 45.9	19.8 V	691
1997 EL ₁	1997 03 04.33452	10 13 19.96	+08 03 35.3	19.1 V	691	1997 EV ₁	1997 03 04.23899	10 00 35.45	+02 24 58.4	20.0 V	691
1997 EM ₁	* 1997 03 03.38789	10 17 11.26	+07 57 29.7	19.9 V	691	1997 EV ₁	1997 03 05.20165	09 59 52.03	+02 34 20.8	20.1 V	691
1997 EM ₁	1997 03 03.40938	10 17 10.14	+07 57 36.8	19.8 V	691	1997 EV ₁	1997 03 05.22267	09 59 51.00	+02 34 33.2	20.2 V	691
1997 EM ₁	1997 03 03.43054	10 17 09.02	+07 57 43.9	20.0 V	691	1997 EV ₁	1997 03 05.24571	09 59 49.96	+02 34 47.6	19.9 V	691
1997 EM ₁	1997 03 04.29400	10 16 26.03	+08 02 33.2	20.0 V	691	1997 EW ₁	* 1997 03 04.19604	10 02 15.90	+02 27 43.0	19.4 V	691
1997 EM ₁	1997 03 04.31501	10 16 24.93	+08 02 40.0	19.7 V	691	1997 EW ₁	1997 03 04.21823	10 02 14.99	+02 27 52.9	19.4 V	691
1997 EM ₁	1997 03 04.33665	10 16 23.80	+08 02 46.6	19.8 V	691	1997 EW ₁	1997 03 04.24013	10 02 13.99	+02 28 01.0	19.0 V	691
1997 EM ₁	1997 03 11.34298	10 11 00.42	+08 39 58.6	20.1 V	691	1997 EW ₁	1997 03 05.20274	10 01 34.27	+02 34 52.5	19.6 V	691
1997 EM ₁	1997 03 11.36425	10 10 59.47	+08 40 04.7	20.2 V	691	1997 EW ₁	1997 03 05.22375	10 01 33.31	+02 35 01.4	19.4 V	691
1997 EM ₁	1997 03 11.38604	10 10 58.47	+08 40 11.2	20.0 V	691	1997 EW ₁	1997 03 05.24679	10 01 32.39	+02 35 10.8	19.3 V	691
1997 EN ₁	* 1997 03 03.38886	10 18 35.18	+07 57 44.7	20.3 V	691	1997 EX ₁	* 1997 03 04.20059	10 08 49.63	+02 31 27.1	20.1 V	691
1997 EN ₁	1997 03 03.41035	10 18 33.95	+07 57 50.5	20.1 V	691	1997 EX ₁	1997 03 04.22277	10 08 48.44	+02 31 37.1	20.2 V	691
1997 EN ₁	1997 03 03.43150	10 18 32.73	+07 57 56.1	20.4 V	691	1997 EX ₁	1997 03 04.24467	10 08 47.26	+02 31 45.9	20.2 V	691
1997 EN ₁	1997 03 04.29491	10 17 44.40	+08 01 50.2	20.8 V	691	1997 EX ₁	1997 03 05.20716	10 07 57.60	+02 38 45.9	20.2 V	691
1997 EN ₁	1997 03 04.31592	10 17 43.18	+08 01 55.8	20.9 V	691	1997 EX ₁	1997 03 05.22818	10 07 56.47	+02 38 55.2	20.4 V	691
1997 EN ₁	1997 03 04.33755	10 17 41.96	+08 02 00.9	20.8 V	691	1997 EX ₁	1997 03 05.25121	10 07 55.24	+02 39 05.2	20.3 V	691
1997 EO ₁	* 1997 03 03.39130	10 22 06.61	+07 59 17.7	19.3 V	691	1997 EY ₁	* 1997 03 04.20530	10 15 37.44	+02 29 13.9	20.1 V	691

1997 EY ₁	1997 03 04.22748	10 15 36.34	+02 29 21.5	20.1 V	691	1997 EG ₂	1997 03 05.32659	10 34 45.31	+08 32 59.0	19.8 V	691
1997 EY ₁	1997 03 04.24937	10 15 35.25	+02 29 29.3	20.3 V	691	1997 EH ₂	* 1997 03 04.30725	10 35 33.84	+08 28 42.1	20.4 V	691
1997 EY ₁	1997 03 05.21191	10 14 48.84	+02 34 56.7	20.6 V	691	1997 EH ₂	1997 03 04.32826	10 35 32.73	+08 28 49.9	20.6 V	691
1997 EY ₁	1997 03 05.23292	10 14 47.79	+02 35 03.8	20.1 V	691	1997 EH ₂	1997 03 04.34990	10 35 31.62	+08 28 58.1	20.5 V	691
1997 EY ₁	1997 03 05.25596	10 14 46.65	+02 35 11.5	20.2 V	691	1997 EH ₂	1997 03 05.28380	10 34 44.32	+08 34 42.8	21.0 V	691
1997 EZ ₁	* 1997 03 04.20867	10 20 29.43	+02 25 35.9	20.1 V	691	1997 EH ₂	1997 03 05.30515	10 34 43.20	+08 34 50.3	20.6 V	691
1997 EZ ₁	1997 03 04.23085	10 20 28.32	+02 25 54.7	20.0 V	691	1997 EH ₂	1997 03 05.32655	10 34 42.06	+08 34 58.3	21.0 V	691
1997 EZ ₁	1997 03 04.25275	10 20 27.24	+02 26 14.3	20.0 V	691	1997 EJ ₂	* 1997 03 04.30897	10 38 02.27	+08 27 31.8	20.3 V	691
1997 EZ ₁	1997 03 05.21529	10 19 41.66	+02 40 01.4	20.2 V	691	1997 EJ ₂	1997 03 04.32998	10 38 01.13	+08 27 40.2	20.3 V	691
1997 EZ ₁	1997 03 05.23630	10 19 40.61	+02 40 19.3	20.3 V	691	1997 EJ ₂	1997 03 04.35161	10 38 00.00	+08 27 49.8	20.4 V	691
1997 EZ ₁	1997 03 05.25934	10 19 39.49	+02 40 38.8	20.2 V	691	1997 EJ ₂	1997 03 05.28551	10 37 12.37	+08 34 29.1	20.5 V	691
1997 EA ₂	* 1997 03 04.29245	10 14 11.61	+08 28 05.1	19.1 V	691	1997 EJ ₂	1997 03 05.30686	10 37 11.21	+08 34 39.0	20.6 V	691
1997 EA ₂	1997 03 04.31346	10 14 10.55	+08 28 12.0	19.1 V	691	1997 EJ ₂	1997 03 05.32826	10 37 10.14	+08 34 48.2	20.9 V	691
1997 EA ₂	1997 03 04.33510	10 14 09.50	+08 28 18.1	19.1 V	691	1997 EK ₂	* 1997 03 04.31526	10 16 46.52	+08 28 49.3	20.8 V	691
1997 EA ₂	1997 03 05.26903	10 13 24.95	+08 33 14.8	19.4 V	691	1997 EK ₂	1997 03 04.33690	10 16 45.45	+08 28 55.6	20.7 V	691
1997 EA ₂	1997 03 05.29038	10 13 23.87	+08 33 21.4	19.4 V	691	1997 EK ₂	1997 03 05.27083	10 16 00.72	+08 33 48.4	21.2 V	691
1997 EA ₂	1997 03 05.31178	10 13 22.85	+08 33 27.8	19.1 V	691	1997 EK ₂	1997 03 05.29218	10 15 59.68	+08 33 55.2	21.4 V	691
1997 EB ₂	* 1997 03 04.29253	10 14 18.36	+08 27 14.2	19.4 V	691	1997 EK ₂	1997 03 05.31358	10 15 58.66	+08 34 02.0	20.8 V	691
1997 EB ₂	1997 03 04.31354	10 14 17.27	+08 27 23.8	19.3 V	691	1997 EE ₃	* 1997 03 02.31217	12 17 20.90	-01 16 35.2	18.9 V	691
1997 EB ₂	1997 03 04.33517	10 14 16.17	+08 27 32.7	19.5 V	691	1997 EE ₃	1997 03 02.33329	12 17 20.03	-01 16 30.8	18.9 V	691
1997 EB ₂	1997 03 05.26910	10 13 31.07	+08 34 33.7	19.7 V	691	1997 EE ₃	1997 03 02.35444	12 17 19.15	-01 16 25.9	18.8 V	691
1997 EB ₂	1997 03 05.29045	10 13 29.94	+08 34 43.4	19.6 V	691	1997 EE ₃	1997 03 07.41483	12 13 44.32	-00 57 06.1	19.3 V	691
1997 EB ₂	1997 03 05.31185	10 13 28.89	+08 34 52.7	19.5 V	691	1997 EE ₃	1997 03 07.44080	12 13 43.13	-00 57 00.1	19.9 V	691
1997 EC ₂	* 1997 03 04.29263	10 14 27.35	+08 30 53.5	19.4 V	691	1997 EE ₃	1997 03 07.46189	12 13 42.19	-00 56 55.1	19.4 V	691
1997 EC ₂	1997 03 04.31364	10 14 26.09	+08 31 00.7	19.3 V	691	1997 EF ₃	* 1997 03 02.31309	12 18 39.93	-01 05 37.1	20.3 V	691
1997 EC ₂	1997 03 04.33527	10 14 24.83	+08 31 07.3	19.5 V	691	1997 EF ₃	1997 03 02.33420	12 18 38.71	-01 05 40.7	20.3 V	691
1997 EC ₂	1997 03 05.26911	10 13 31.45	+08 36 21.0	19.7 V	691	1997 EF ₃	1997 03 02.35535	12 18 37.54	-01 05 44.0	20.2 V	691
1997 EC ₂	1997 03 05.29045	10 13 30.17	+08 36 27.8	19.9 V	691	1997 EF ₃	1997 03 07.41479	12 13 40.96	-01 17 55.6	20.5 V	691
1997 EC ₂	1997 03 05.31185	10 13 28.92	+08 36 35.0	19.5 V	691	1997 EF ₃	1997 03 07.44075	12 13 39.31	-01 17 59.5		691
1997 ED ₂	* 1997 03 04.29272	10 14 34.76	+08 31 36.7	19.1 V	691	1997 EF ₃	1997 03 07.46184	12 13 37.94	-01 18 02.5	20.6 V	691
1997 ED ₂	1997 03 04.31373	10 14 33.89	+08 31 48.6	19.2 V	691	1997 EG ₃	* 1997 03 02.31365	12 19 28.91	-01 18 31.1	19.3 V	691
1997 ED ₂	1997 03 04.33537	10 14 33.01	+08 32 00.1	19.3 V	691	1997 EG ₃	1997 03 02.33477	12 19 27.99	-01 18 26.6	19.2 V	691
1997 ED ₂	1997 03 05.26939	10 13 56.05	+08 40 41.0	19.1 V	691	1997 EG ₃	1997 03 02.35592	12 19 27.07	-01 18 21.4	19.1 V	691
1997 ED ₂	1997 03 05.29074	10 13 55.16	+08 40 52.8	19.3 V	691	1997 EG ₃	1997 03 07.41619	12 15 42.14	-00 57 56.9	19.5 V	691
1997 ED ₂	1997 03 05.31215	10 13 54.28	+08 41 04.5	19.1 V	691	1997 EG ₃	1997 03 07.44216	12 15 40.88	-00 57 50.4	19.6 V	691
1997 EE ₂	* 1997 03 04.29277	10 14 39.34	+08 27 31.0	20.0 V	691	1997 EG ₃	1997 03 07.46325	12 15 39.83	-00 57 45.3	19.6 V	691
1997 EE ₂	1997 03 04.31378	10 14 38.22	+08 27 40.8	20.2 V	691	1997 EH ₃	* 1997 03 02.31501	12 21 26.86	-01 23 49.4	19.7 V	691
1997 EE ₂	1997 03 04.33541	10 14 37.08	+08 27 50.2	20.2 V	691	1997 EH ₃	1997 03 02.33613	12 21 26.02	-01 23 44.4	19.7 V	691
1997 EE ₂	1997 03 05.26931	10 13 48.79	+08 35 02.9	20.4 V	691	1997 EH ₃	1997 03 02.35728	12 21 25.14	-01 23 39.4	19.5 V	691
1997 EE ₂	1997 03 05.29065	10 13 47.61	+08 35 12.7	20.6 V	691	1997 EH ₃	1997 03 07.41771	12 17 53.49	-01 02 52.3	20.0 V	691
1997 EE ₂	1997 03 05.31206	10 13 46.49	+08 35 22.5	20.5 V	691	1997 EH ₃	1997 03 07.44368	12 17 52.30	-01 02 45.4	20.1 V	691
1997 EF ₂	* 1997 03 04.29293	10 14 52.90	+08 29 02.6	20.0 V	691	1997 EH ₃	1997 03 07.46477	12 17 51.31	-01 02 40.4	20.4 V	691
1997 EF ₂	1997 03 04.31394	10 14 52.00	+08 29 13.5	20.2 V	691	1997 EJ ₃	* 1997 03 02.31649	12 23 34.42	-01 23 31.9	20.4 V	691
1997 EF ₂	1997 03 04.33558	10 14 51.13	+08 29 24.2	20.3 V	691	1997 EJ ₃	1997 03 02.33760	12 23 33.35	-01 23 30.3	20.2 V	691
1997 EF ₂	1997 03 05.26960	10 14 13.70	+08 37 39.0	20.7 V	691	1997 EJ ₃	1997 03 02.35875	12 23 32.25	-01 23 28.9	20.3 V	691
1997 EF ₂	1997 03 05.29094	10 14 12.79	+08 37 49.8	20.8 V	691	1997 EJ ₃	1997 03 07.41854	12 19 05.24	-01 16 40.2	20.6 V	691
1997 EF ₂	1997 03 05.31235	10 14 11.90	+08 38 01.3	20.8 V	691	1997 EJ ₃	1997 03 07.44450	12 19 03.73	-01 16 38.0	20.8 V	691
1997 EG ₂	* 1997 03 04.30724	10 35 32.94	+08 26 13.0	19.6 V	691	1997 EJ ₃	1997 03 07.46559	12 19 02.49	-01 16 36.1	21.0 V	691
1997 EG ₂	1997 03 04.32825	10 35 31.89	+08 26 21.2	19.7 V	691	1997 EJ ₃	1997 03 09.37011	12 17 12.63	-01 13 19.2	20.3 V	691
1997 EG ₂	1997 03 04.34989	10 35 30.87	+08 26 29.9	19.7 V	691	1997 EJ ₃	1997 03 09.39106	12 17 11.35	-01 13 16.6	20.1 V	691
1997 EG ₂	1997 03 05.28384	10 34 47.35	+08 32 41.8	20.0 V	691	1997 EJ ₃	1997 03 09.41203	12 17 10.06	-01 13 14.6	20.0 V	691
1997 EG ₂	1997 03 05.30518	10 34 46.33	+08 32 50.4	19.8 V	691	1997 EJ ₃	1997 03 14.36231	12 12 04.58	-01 03 15.8	20.1 V	691

1997 EJ ₃	1997 03 14.39409	12 12 02.47	-01 03 11.7	19.9 V	691	1997 EQ ₃	1997 03 07.42403	12 27 01.67	-01 03 20.3	20.5 V	691
1997 EJ ₃	1997 03 14.42304	12 12 00.54	-01 03 07.7	19.8 V	691	1997 EQ ₃	1997 03 07.45000	12 27 00.31	-01 03 15.2	20.6 V	691
1997 EK ₃	* 1997 03 02.31663	12 23 47.16	-01 25 27.2	20.9 V	691	1997 EQ ₃	1997 03 07.47109	12 26 59.24	-01 03 10.2	21.1 V	691
1997 EK ₃	1997 03 02.33775	12 23 46.20	-01 25 21.8	20.4 V	691	1997 ER ₃	* 1997 03 02.37262	12 11 07.79	-01 33 18.2	19.7 V	691
1997 EK ₃	1997 03 02.35890	12 23 45.23	-01 25 16.3	20.7 V	691	1997 ER ₃	1997 03 02.39362	12 11 06.82	-01 33 14.5	19.6 V	691
1997 EK ₃	1997 03 07.41905	12 19 49.55	-01 02 42.1	20.6 V	691	1997 ER ₃	1997 03 02.41561	12 11 05.81	-01 33 10.2	19.7 V	691
1997 EK ₃	1997 03 07.44501	12 19 48.24	-01 02 35.6	21.0 V	691	1997 ER ₃	1997 03 07.41031	12 07 12.87	-01 16 29.4	20.0 V	691
1997 EK ₃	1997 03 07.46610	12 19 47.19	-01 02 30.3	21.3 V	691	1997 ER ₃	1997 03 07.43628	12 07 11.56	-01 16 23.9	21.0 V	691
1997 EL ₃	* 1997 03 02.31756	12 25 07.09	-01 15 02.3	17.9 V	691	1997 ER ₃	1997 03 07.45737	12 07 10.49	-01 16 19.4	20.1 V	691
1997 EL ₃	1997 03 02.33867	12 25 06.18	-01 14 58.3	17.8 V	691	1997 ER ₃	1997 03 08.22638	12 06 33.14	-01 13 32.9	20.0 V	691
1997 EL ₃	1997 03 02.35982	12 25 05.24	-01 14 54.2	17.9 V	691	1997 ER ₃	1997 03 08.23354	12 06 32.77	-01 13 31.0	19.7 V	691
1997 EL ₃	1997 03 07.42006	12 21 16.99	-00 57 15.8	18.3 V	691	1997 ER ₃	1997 03 08.24054	12 06 32.41	-01 13 29.5	19.7 V	691
1997 EL ₃	1997 03 07.44602	12 21 15.65	-00 57 10.1	18.2 V	691	1997 ER ₃	1997 03 09.36223	12 05 36.28	-01 09 22.8	19.4 V	691
1997 EL ₃	1997 03 07.46711	12 21 14.58	-00 57 05.4	18.4 V	691	1997 ER ₃	1997 03 09.38322	12 05 35.19	-01 09 17.9	19.5 V	691
1997 EM ₃	* 1997 03 02.31760	12 25 11.24	-01 24 43.7	21.0 V	691	1997 ER ₃	1997 03 09.40420	12 05 34.12	-01 09 13.4	19.5 V	691
1997 EM ₃	1997 03 02.33872	12 25 10.17	-01 24 40.9	21.0 V	691	1997 ES ₃	* 1997 03 02.37283	12 11 25.28	-01 33 03.3	19.6 V	691
1997 EM ₃	1997 03 02.35987	12 25 09.06	-01 24 38.5	20.9 V	691	1997 ES ₃	1997 03 02.39382	12 11 24.36	-01 32 56.8	19.8 V	691
1997 EM ₃	1997 03 07.41965	12 20 41.82	-01 13 22.8	20.9 V	691	1997 ES ₃	1997 03 02.41581	12 11 23.38	-01 32 49.3	19.8 V	691
1997 EM ₃	1997 03 07.44561	12 20 40.28	-01 13 19.6	21.2 V	691	1997 ES ₃	1997 03 07.41061	12 07 38.42	-01 03 33.1	20.0 V	691
1997 EM ₃	1997 03 07.46670	12 20 39.06	-01 13 16.5	20.7 V	691	1997 ES ₃	1997 03 07.43657	12 07 37.06	-01 03 23.5	20.9 V	691
1997 EM ₃	1997 03 09.37125	12 18 51.28	-01 08 24.3	20.6 V	691	1997 ES ₃	1997 03 07.45766	12 07 36.00	-01 03 15.7	20.3 V	691
1997 EM ₃	1997 03 09.39220	12 18 50.05	-01 08 21.2	20.8 V	691	1997 ET ₃	* 1997 03 02.37481	12 14 16.89	-01 49 26.3	21.2 V	691
1997 EM ₃	1997 03 09.41317	12 18 48.80	-01 08 18.1	20.5 V	691	1997 ET ₃	1997 03 02.39581	12 14 16.26	-01 49 22.1	21.1 V	691
1997 EN ₃	* 1997 03 02.31805	12 25 50.19	-01 22 52.2	19.7 V	691	1997 ET ₃	1997 03 02.41780	12 14 15.57	-01 49 15.6	21.5 V	691
1997 EN ₃	1997 03 02.33917	12 25 49.15	-01 22 48.1	19.9 V	691	1997 ET ₃	1997 03 07.34873	12 11 39.14	-01 28 12.5	21.0 V	691
1997 EN ₃	1997 03 02.36032	12 25 48.05	-01 22 44.0	19.7 V	691	1997 ET ₃	1997 03 07.36961	12 11 38.41	-01 28 06.5	20.7 V	691
1997 EN ₃	1997 03 07.42013	12 21 23.78	-01 05 05.7	20.3 V	691	1997 ET ₃	1997 03 07.39061	12 11 37.64	-01 28 01.1	20.8 V	691
1997 EN ₃	1997 03 07.44610	12 21 22.28	-01 04 59.9	19.9 V	691	1997 EU ₃	* 1997 03 02.37601	12 16 01.35	-01 35 28.1	19.2 V	691
1997 EN ₃	1997 03 07.46719	12 21 21.07	-01 04 55.2	20.1 V	691	1997 EU ₃	1997 03 02.39701	12 16 00.41	-01 35 22.1	19.4 V	691
1997 EN ₃	1997 03 09.37176	12 19 34.76	-00 57 39.8	19.5 V	691	1997 EU ₃	1997 03 02.41900	12 15 59.47	-01 35 15.9	19.4 V	691
1997 EN ₃	1997 03 09.39270	12 19 33.53	-00 57 35.2	19.7 V	691	1997 EU ₃	1997 03 07.41382	12 12 16.35	-01 09 18.9	19.4 V	691
1997 EN ₃	1997 03 09.41368	12 19 32.30	-00 57 30.2	19.5 V	691	1997 EU ₃	1997 03 07.43978	12 12 15.02	-01 09 10.0	20.4 V	691
1997 EO ₃	* 1997 03 02.31838	12 26 18.14	-01 21 40.3	20.1 V	691	1997 EU ₃	1997 03 07.46087	12 12 13.96	-01 09 03.1	19.6 V	691
1997 EO ₃	1997 03 02.33950	12 26 17.40	-01 21 36.2	20.2 V	691	1997 EU ₃	1997 03 09.36558	12 10 40.03	-00 58 09.5	19.6 V	691
1997 EO ₃	1997 03 02.36065	12 26 16.59	-01 21 32.0	19.9 V	691	1997 EU ₃	1997 03 09.38653	12 10 38.91	-00 58 02.0	19.7 V	691
1997 EO ₃	1997 03 07.42131	12 23 05.46	-01 03 54.7	20.4 V	691	1997 EU ₃	1997 03 09.40751	12 10 37.79	-00 57 54.8	19.5 V	691
1997 EO ₃	1997 03 07.44728	12 23 04.38	-01 03 49.5	20.4 V	691	1997 EV ₃	* 1997 03 02.37615	12 16 13.42	-01 33 51.1	19.6 V	691
1997 EO ₃	1997 03 07.46837	12 23 03.52	-01 03 44.9	20.5 V	691	1997 EV ₃	1997 03 02.39715	12 16 12.33	-01 33 51.1	19.6 V	691
1997 EO ₃	1997 03 09.37327	12 21 46.27	-00 56 36.7	19.8 V	691	1997 EV ₃	1997 03 02.41913	12 16 11.24	-01 33 50.9	19.7 V	691
1997 EO ₃	1997 03 09.39422	12 21 45.36	-00 56 31.9	19.7 V	691	1997 EV ₃	1997 03 07.34890	12 11 53.54	-01 32 02.2	19.7 V	691
1997 EO ₃	1997 03 09.41520	12 21 44.46	-00 56 26.8	19.8 V	691	1997 EV ₃	1997 03 07.36977	12 11 52.34	-01 32 01.0	19.5 V	691
1997 EP ₃	* 1997 03 02.31893	12 27 05.91	-01 27 39.6	19.0 V	691	1997 EV ₃	1997 03 07.39076	12 11 51.12	-01 32 00.5	19.5 V	691
1997 EP ₃	1997 03 02.36120	12 27 04.03	-01 27 32.9	19.0 V	691	1997 EV ₃	1997 03 08.22951	12 11 04.59	-01 31 28.8	19.7 V	691
1997 EP ₃	1997 03 07.42136	12 23 09.70	-01 12 42.8	19.4 V	691	1997 EV ₃	1997 03 08.23667	12 11 04.17	-01 31 28.5	19.6 V	691
1997 EP ₃	1997 03 07.44732	12 23 08.33	-01 12 38.4	19.4 V	691	1997 EV ₃	1997 03 08.24367	12 11 03.76	-01 31 28.1	19.6 V	691
1997 EP ₃	1997 03 07.46841	12 23 07.23	-01 12 34.4	19.6 V	691	1997 EV ₃	1997 03 14.35780	12 05 01.65	-01 26 14.2	18.8 V	691
1997 EP ₃	1997 03 09.37308	12 21 29.60	-01 06 10.9	19.0 V	691	1997 EV ₃	1997 03 14.38958	12 04 59.62	-01 26 12.8	19.0 V	691
1997 EP ₃	1997 03 09.39403	12 21 28.46	-01 06 06.6	18.7 V	691	1997 EV ₃	1997 03 14.41858	12 04 57.76	-01 26 10.2	18.9 V	691
1997 EP ₃	1997 03 09.41500	12 21 27.29	-01 06 02.2	18.7 V	691	1997 EW ₃	* 1997 03 02.37734	12 17 56.33	-01 45 40.5	19.9 V	691
1997 EQ ₃	* 1997 03 02.32152	12 30 50.40	-01 23 18.8	20.7 V	691	1997 EW ₃	1997 03 02.39834	12 17 55.57	-01 45 33.9	20.2 V	691
1997 EQ ₃	1997 03 02.34264	12 30 49.49	-01 23 14.1	20.6 V	691	1997 EW ₃	1997 03 02.42033	12 17 54.75	-01 45 26.8	20.0 V	691
1997 EQ ₃	1997 03 02.36379	12 30 48.58	-01 23 09.6	20.6 V	691	1997 EW ₃	1997 03 07.41560	12 14 50.70	-01 16 38.6	20.1 V	691

1997 EW ₃	1997 03 07.44157	12 14 49.58	-01 16 29.3	20.5 V	691	1997 ED ₄	1997 03 07.41793	12 18 12.94	-01 00 08.2	20.3 V	691
1997 EW ₃	1997 03 07.46266	12 14 48.67	-01 16 21.3	20.3 V	691	1997 ED ₄	1997 03 07.44390	12 18 11.97	-00 59 55.6	20.4 V	691
1997 EX ₃	* 1997 03 02.37759	12 18 18.28	-01 38 32.4	19.7 V	691	1997 EE ₄	* 1997 03 02.37999	12 21 46.43	-01 48 05.8	17.9 V	691
1997 EX ₃	1997 03 02.39859	12 18 17.21	-01 38 27.7	19.6 V	691	1997 EE ₄	1997 03 02.40099	12 21 45.51	-01 48 02.1	18.1 V	691
1997 EX ₃	1997 03 02.42057	12 18 16.05	-01 38 23.0	19.7 V	691	1997 EE ₄	1997 03 02.42298	12 21 44.55	-01 47 58.3	18.1 V	691
1997 EX ₃	1997 03 07.41495	12 13 54.64	-01 18 34.2	20.3 V	691	1997 EE ₄	1997 03 07.35319	12 18 04.94	-01 32 11.7	18.1 V	691
1997 EX ₃	1997 03 07.44091	12 13 53.12	-01 18 28.4	21.0 V	691	1997 EE ₄	1997 03 07.37406	12 18 03.91	-01 32 07.2	18.0 V	691
1997 EX ₃	1997 03 07.46200	12 13 51.91	-01 18 22.6	20.3 V	691	1997 EE ₄	1997 03 07.39505	12 18 02.85	-01 32 03.0	17.9 V	691
1997 EX ₃	1997 03 09.36656	12 12 04.39	-01 10 01.0	19.9 V	691	1997 EE ₄	1997 03 14.36238	12 12 11.09	-01 05 46.4	17.9 V	691
1997 EX ₃	1997 03 09.38750	12 12 03.16	-01 09 55.3	20.0 V	691	1997 EE ₄	1997 03 14.39416	12 12 09.34	-01 05 38.7	17.8 V	691
1997 EX ₃	1997 03 09.40848	12 12 01.87	-01 09 49.8	19.8 V	691	1997 EE ₄	1997 03 14.42312	12 12 07.74	-01 05 31.7	17.8 V	691
1997 EY ₃	* 1997 03 02.37775	12 18 31.63	-01 48 03.8	20.4 V	691	1997 EF ₄	* 1997 03 02.38017	12 22 01.84	-01 41 35.6	18.8 V	691
1997 EY ₃	1997 03 02.39875	12 18 30.81	-01 47 57.6	20.6 V	691	1997 EF ₄	1997 03 02.40117	12 22 00.88	-01 41 32.0	18.7 V	691
1997 EY ₃	1997 03 02.42073	12 18 29.93	-01 47 51.2	20.3 V	691	1997 EF ₄	1997 03 02.42316	12 21 59.83	-01 41 28.4	18.9 V	691
1997 EY ₃	1997 03 07.41583	12 15 10.46	-01 21 21.7	20.9 V	691	1997 EF ₄	1997 03 07.41779	12 18 00.45	-01 26 27.5	19.2 V	691
1997 EY ₃	1997 03 07.44179	12 15 09.26	-01 21 13.6	20.8 V	691	1997 EF ₄	1997 03 07.44375	12 17 59.10	-01 26 22.9	19.4 V	691
1997 EY ₃	1997 03 07.46288	12 15 08.36	-01 21 06.5	20.7 V	691	1997 EF ₄	1997 03 07.46484	12 17 58.04	-01 26 19.1	19.5 V	691
1997 EZ ₃	* 1997 03 02.37795	12 18 49.17	-01 47 53.1	19.0 V	691	1997 EF ₄	1997 03 09.36953	12 16 21.87	-01 20 08.2	18.7 V	691
1997 EZ ₃	1997 03 02.39895	12 18 48.38	-01 47 49.7	18.9 V	691	1997 EF ₄	1997 03 09.39047	12 16 20.76	-01 20 03.8	18.7 V	691
1997 EZ ₃	1997 03 02.42094	12 18 47.51	-01 47 46.1	18.9 V	691	1997 EF ₄	1997 03 09.41145	12 16 19.67	-01 19 59.8	18.7 V	691
1997 EZ ₃	1997 03 07.35146	12 15 35.78	-01 33 26.7	18.8 V	691	1997 EF ₄	1997 03 14.36225	12 11 59.52	-01 03 02.0	18.6 V	691
1997 EZ ₃	1997 03 07.37234	12 15 34.91	-01 33 22.7	18.7 V	691	1997 EF ₄	1997 03 14.39403	12 11 57.77	-01 02 55.4	18.5 V	691
1997 EZ ₃	1997 03 07.39333	12 15 34.00	-01 33 19.0	18.7 V	691	1997 EF ₄	1997 03 14.42299	12 11 56.17	-01 02 49.3	18.6 V	691
1997 EZ ₃	1997 03 09.36803	12 14 11.77	-01 27 02.8	18.8 V	691	1997 EG ₄	* 1997 03 02.38091	12 23 05.45	-01 59 16.3	21.0 V	691
1997 EZ ₃	1997 03 09.38897	12 14 10.87	-01 26 58.7	18.9 V	691	1997 EG ₄	1997 03 02.40191	12 23 04.59	-01 59 13.2	21.0 V	691
1997 EZ ₃	1997 03 09.40996	12 14 09.95	-01 26 54.5	18.6 V	691	1997 EG ₄	1997 03 02.42389	12 23 03.73	-01 59 09.7	21.3 V	691
1997 EZ ₃	1997 03 14.36126	12 10 33.45	-01 10 09.2	19.0 V	691	1997 EG ₄	1997 03 07.35433	12 19 43.79	-01 45 48.0	21.4 V	691
1997 EZ ₃	1997 03 14.39304	12 10 31.99	-01 10 02.7	19.0 V	691	1997 EG ₄	1997 03 07.37520	12 19 42.85	-01 45 44.1	21.4 V	691
1997 EZ ₃	1997 03 14.42200	12 10 30.64	-01 09 56.8	18.9 V	691	1997 EG ₄	1997 03 07.39620	12 19 41.89	-01 45 39.9	20.9 V	691
1997 EA ₄	* 1997 03 02.37800	12 18 53.27	-01 37 50.5	18.5 V	691	1997 EG ₄	1997 03 14.36383	12 14 16.51	-01 22 44.7	21.0 V	691
1997 EA ₄	1997 03 02.39900	12 18 52.38	-01 37 43.0	18.6 V	691	1997 EG ₄	1997 03 14.39561	12 14 14.89	-01 22 37.7	20.8 V	691
1997 EA ₄	1997 03 02.42098	12 18 51.42	-01 37 34.9	18.7 V	691	1997 EG ₄	1997 03 14.42457	12 14 13.41	-01 22 31.7	20.8 V	691
1997 EA ₄	1997 03 07.41587	12 15 14.11	-01 05 21.9	19.1 V	691	1997 EH ₄	* 1997 03 02.38214	12 24 52.27	-01 40 34.0	21.1 V	691
1997 EA ₄	1997 03 07.44183	12 15 12.84	-01 05 11.7	19.2 V	691	1997 EH ₄	1997 03 02.40314	12 24 51.59	-01 40 24.5	21.0 V	691
1997 EA ₄	1997 03 07.46292	12 15 11.82	-01 05 03.2	19.0 V	691	1997 EH ₄	1997 03 02.42513	12 24 50.88	-01 40 15.1	21.1 V	691
1997 EB ₄	* 1997 03 02.37866	12 19 50.96	-01 34 42.8	20.0 V	691	1997 EH ₄	1997 03 07.42058	12 22 02.20	-01 03 23.3	20.9 V	691
1997 EB ₄	1997 03 02.39966	12 19 50.20	-01 34 37.7	20.2 V	691	1997 EH ₄	1997 03 07.44655	12 22 01.25	-01 03 11.1	21.5 V	691
1997 EB ₄	1997 03 02.42165	12 19 49.34	-01 34 32.4	20.2 V	691	1997 EH ₄	1997 03 07.46764	12 22 00.45	-01 03 01.4	21.2 V	691
1997 EB ₄	1997 03 07.41682	12 16 36.49	-01 13 02.3	20.5 V	691	1997 EJ ₄	* 1997 03 02.38219	12 24 56.34	-01 58 29.2	20.1 V	691
1997 EB ₄	1997 03 07.44279	12 16 35.42	-01 12 55.7	20.5 V	691	1997 EJ ₄	1997 03 02.40319	12 24 55.62	-01 58 23.3	20.4 V	691
1997 EB ₄	1997 03 07.46388	12 16 34.53	-01 12 49.9	20.5 V	691	1997 EJ ₄	1997 03 02.42518	12 24 54.88	-01 58 16.9	20.2 V	691
1997 EB ₄	1997 03 09.38972	12 15 15.53	-01 04 02.9	20.0 V	691	1997 EJ ₄	1997 03 07.35600	12 22 09.07	-01 33 59.2	20.5 V	691
1997 EB ₄	1997 03 09.41070	12 15 14.63	-01 03 57.1	19.8 V	691	1997 EJ ₄	1997 03 07.37688	12 22 08.27	-01 33 53.0	19.9 V	691
1997 EC ₄	* 1997 03 02.37869	12 19 53.37	-01 54 41.6	19.3 V	691	1997 EJ ₄	1997 03 07.39788	12 22 07.52	-01 33 46.5	20.0 V	691
1997 EC ₄	1997 03 02.39969	12 19 52.35	-01 54 39.8	19.4 V	691	1997 EK ₄	* 1997 03 02.38235	12 25 10.83	-01 37 35.5	18.7 V	691
1997 EC ₄	1997 03 02.42167	12 19 51.25	-01 54 38.1	19.4 V	691	1997 EK ₄	1997 03 02.40335	12 25 09.86	-01 37 32.3	18.8 V	691
1997 EC ₄	1997 03 07.35155	12 15 43.40	-01 46 28.0	19.2 V	691	1997 EK ₄	1997 03 02.42534	12 25 08.86	-01 37 28.8	18.9 V	691
1997 EC ₄	1997 03 07.37242	12 15 42.24	-01 46 25.2	19.3 V	691	1997 EK ₄	1997 03 07.44598	12 21 12.34	-01 23 09.1	19.3 V	691
1997 EC ₄	1997 03 07.39341	12 15 41.04	-01 46 23.0	19.3 V	691	1997 EK ₄	1997 03 07.46707	12 21 11.21	-01 23 05.5	19.4 V	691
1997 ED ₄	* 1997 03 02.37958	12 21 10.42	-01 41 03.9	20.0 V	691	1997 EK ₄	1997 03 09.37173	12 19 32.71	-01 16 51.9	18.6 V	691
1997 ED ₄	1997 03 02.40058	12 21 09.70	-01 40 53.9	20.1 V	691	1997 EK ₄	1997 03 09.39268	12 19 31.55	-01 16 47.6	18.6 V	691
1997 ED ₄	1997 03 02.42257	12 21 08.94	-01 40 43.6	20.0 V	691	1997 EK ₄	1997 03 09.41365	12 19 30.38	-01 16 43.4	18.6 V	691

1997 EK ₄	1997 03 14.36428	12 14 55.27	-00 58 57.3	18.8 V	691	1997 ER ₄	1997 03 02.42828	12 29 24.04	-01 28 45.7	19.9 V	691
1997 EK ₄	1997 03 14.39606	12 14 53.38	-00 58 49.8	18.4 V	691	1997 ER ₄	1997 03 07.44940	12 26 08.24	-01 07 14.0	19.8 V	691
1997 EK ₄	1997 03 14.42502	12 14 51.61	-00 58 43.5	18.3 V	691	1997 ER ₄	1997 03 07.47049	12 26 07.32	-01 07 08.2	20.1 V	691
1997 EL ₄	* 1997 03 02.38262	12 25 33.68	-01 55 46.7	21.0 V	691	1997 ER ₄	1997 03 09.37536	12 24 46.82	-00 58 22.2	19.5 V	691
1997 EL ₄	1997 03 02.40362	12 25 32.95	-01 55 41.7	21.1 V	691	1997 ER ₄	1997 03 09.39630	12 24 45.87	-00 58 16.5	19.5 V	691
1997 EL ₄	1997 03 02.42561	12 25 32.16	-01 55 36.8	21.0 V	691	1997 ER ₄	1997 03 09.41729	12 24 44.94	-00 58 10.3	19.3 V	691
1997 EL ₄	1997 03 07.35629	12 22 34.10	-01 36 26.8	21.1 V	691	1997 ES ₄	* 1997 03 02.38544	12 29 38.30	-01 57 53.0	18.8 V	691
1997 EL ₄	1997 03 07.37717	12 22 33.30	-01 36 21.5	21.2 V	691	1997 ES ₄	1997 03 02.40644	12 29 37.43	-01 57 51.1	18.7 V	691
1997 EL ₄	1997 03 07.39816	12 22 32.50	-01 36 16.8	21.2 V	691	1997 ES ₄	1997 03 02.42843	12 29 36.53	-01 57 49.6	18.8 V	691
1997 EM ₄	* 1997 03 02.38391	12 27 25.38	-01 58 44.7	20.6 V	691	1997 ES ₄	1997 03 07.35876	12 26 07.77	-01 50 13.1	18.8 V	691
1997 EM ₄	1997 03 02.40491	12 27 24.60	-01 58 38.2	20.6 V	691	1997 ES ₄	1997 03 07.37963	12 26 06.77	-01 50 10.9	18.8 V	691
1997 EM ₄	1997 03 02.42689	12 27 23.76	-01 58 31.5	20.8 V	691	1997 ES ₄	1997 03 07.40063	12 26 05.77	-01 50 08.8	18.7 V	691
1997 EM ₄	1997 03 07.35745	12 24 13.92	-01 31 54.6	20.6 V	691	1997 ES ₄	1997 03 13.42285	12 21 11.26	-01 37 35.9	18.5 V	691
1997 EM ₄	1997 03 07.37832	12 24 13.00	-01 31 47.3	20.8 V	691	1997 ES ₄	1997 03 13.44450	12 21 10.09	-01 37 32.8	18.4 V	691
1997 EM ₄	1997 03 07.39931	12 24 12.07	-01 31 40.7	20.6 V	691	1997 ES ₄	1997 03 13.46629	12 21 08.92	-01 37 29.6	18.4 V	691
1997 EM ₄	1997 03 09.37397	12 22 46.72	-01 20 01.1	20.4 V	691	1997 ET ₄	* 1997 03 02.38545	12 29 39.25	-01 46 35.9	20.5 V	691
1997 EM ₄	1997 03 09.39492	12 22 45.73	-01 19 53.6	20.5 V	691	1997 ET ₄	1997 03 02.40645	12 29 38.43	-01 46 33.1	20.4 V	691
1997 EM ₄	1997 03 09.41590	12 22 44.76	-01 19 45.9	20.1 V	691	1997 ET ₄	1997 03 02.42844	12 29 37.60	-01 46 29.8	20.0 V	691
1997 EN ₄	* 1997 03 02.38392	12 27 26.30	-01 52 33.3	19.1 V	691	1997 ET ₄	1997 03 07.35893	12 26 22.33	-01 34 05.7	20.6 V	691
1997 EN ₄	1997 03 02.40491	12 27 25.31	-01 52 31.2	19.3 V	691	1997 ET ₄	1997 03 07.37980	12 26 21.43	-01 34 02.4	20.1 V	691
1997 EN ₄	1997 03 02.42690	12 27 24.30	-01 52 28.6	19.2 V	691	1997 ET ₄	1997 03 07.40080	12 26 20.53	-01 33 59.3	20.0 V	691
1997 EN ₄	1997 03 07.35696	12 23 31.68	-01 42 53.2	19.2 V	691	1997 EU ₄	* 1997 03 02.38624	12 30 47.20	-01 47 17.1	19.5 V	691
1997 EN ₄	1997 03 07.37783	12 23 30.64	-01 42 50.6	19.4 V	691	1997 EU ₄	1997 03 02.40723	12 30 46.32	-01 47 09.4	19.4 V	691
1997 EN ₄	1997 03 07.39882	12 23 29.56	-01 42 48.1	19.3 V	691	1997 EU ₄	1997 03 02.42922	12 30 45.36	-01 47 01.2	19.7 V	691
1997 EN ₄	1997 03 14.36601	12 17 25.79	-01 26 25.9	19.1 V	691	1997 EU ₄	1997 03 07.42411	12 27 08.05	-01 14 30.1	20.2 V	691
1997 EN ₄	1997 03 14.39780	12 17 24.04	-01 26 21.1	19.1 V	691	1997 EU ₄	1997 03 07.45008	12 27 06.76	-01 14 19.2	20.1 V	691
1997 EN ₄	1997 03 14.42676	12 17 22.39	-01 26 16.6	19.0 V	691	1997 EU ₄	1997 03 07.47116	12 27 05.73	-01 14 10.9	20.4 V	691
1997 EO ₄	* 1997 03 02.38455	12 28 20.73	-01 36 27.2	19.7 V	691	1997 EU ₄	1997 03 09.37591	12 25 34.50	-01 00 56.1	19.7 V	691
1997 EO ₄	1997 03 02.40555	12 28 20.01	-01 36 22.5	19.8 V	691	1997 EU ₄	1997 03 09.39685	12 25 33.42	-01 00 47.5	19.6 V	691
1997 EO ₄	1997 03 02.42753	12 28 19.27	-01 36 17.0	19.8 V	691	1997 EU ₄	1997 03 09.41783	12 25 32.36	-01 00 38.5	19.3 V	691
1997 EO ₄	1997 03 07.42294	12 25 26.89	-01 15 59.0	20.5 V	691	1997 EV ₄	* 1997 03 02.38643	12 31 03.82	-01 48 53.5	20.5 V	691
1997 EO ₄	1997 03 07.44891	12 25 25.93	-01 15 52.3	20.1 V	691	1997 EV ₄	1997 03 02.40743	12 31 02.91	-01 48 49.7	20.4 V	691
1997 EO ₄	1997 03 07.47000	12 25 25.12	-01 15 47.0	20.4 V	691	1997 EV ₄	1997 03 02.42941	12 31 01.97	-01 48 46.1	20.3 V	691
1997 EP ₄	* 1997 03 02.38483	12 28 45.50	-01 55 48.9	20.2 V	691	1997 EV ₄	1997 03 07.35969	12 27 28.15	-01 33 58.4	20.9 V	691
1997 EP ₄	1997 03 02.40583	12 28 44.67	-01 55 43.2	21.1 V	691	1997 EV ₄	1997 03 07.38056	12 27 27.17	-01 33 54.4	21.1 V	691
1997 EP ₄	1997 03 02.42782	12 28 43.81	-01 55 38.2	20.4 V	691	1997 EV ₄	1997 03 07.40155	12 27 26.16	-01 33 50.2	20.8 V	691
1997 EP ₄	1997 03 07.37920	12 25 29.08	-01 34 20.9	20.8 V	691	1997 EV ₄	1997 03 09.37613	12 25 53.65	-01 27 19.8	20.7 V	691
1997 EP ₄	1997 03 07.40019	12 25 28.16	-01 34 15.2	21.0 V	691	1997 EV ₄	1997 03 09.39707	12 25 52.60	-01 27 15.5	20.4 V	691
1997 EP ₄	1997 03 09.37487	12 24 04.37	-01 25 09.9	20.6 V	691	1997 EV ₄	1997 03 09.41805	12 25 51.55	-01 27 11.3	20.1 V	691
1997 EP ₄	1997 03 09.39581	12 24 03.43	-01 25 03.8	20.8 V	691	1997 EV ₄	1997 03 14.36901	12 21 45.68	-01 09 42.3	20.2 V	691
1997 EP ₄	1997 03 09.41680	12 24 02.51	-01 24 57.9	20.6 V	691	1997 EV ₄	1997 03 14.42976	12 21 42.53	-01 09 28.6	20.5 V	691
1997 EQ ₄	* 1997 03 02.38507	12 29 06.30	-01 43 47.8	19.9 V	691	1997 EW ₄	* 1997 03 02.38650	12 31 09.81	-01 57 25.5	18.8 V	691
1997 EQ ₄	1997 03 02.40607	12 29 05.25	-01 43 42.0	20.1 V	691	1997 EW ₄	1997 03 02.40750	12 31 08.99	-01 57 22.8	18.9 V	691
1997 EQ ₄	1997 03 02.42805	12 29 04.15	-01 43 35.8	20.1 V	691	1997 EW ₄	1997 03 02.42948	12 31 08.10	-01 57 19.7	19.0 V	691
1997 EQ ₄	1997 03 07.42251	12 24 49.31	-01 19 24.4	20.6 V	691	1997 EW ₄	1997 03 07.35991	12 27 47.00	-01 44 59.1	18.8 V	691
1997 EQ ₄	1997 03 07.44847	12 24 47.87	-01 19 16.4	20.5 V	691	1997 EW ₄	1997 03 07.38078	12 27 46.04	-01 44 55.5	18.9 V	691
1997 EQ ₄	1997 03 07.46956	12 24 46.70	-01 19 10.1	20.6 V	691	1997 EW ₄	1997 03 07.40177	12 27 45.09	-01 44 52.3	18.9 V	691
1997 EQ ₄	1997 03 09.37415	12 23 02.30	-01 09 14.4	19.8 V	691	1997 EX ₄	* 1997 03 02.38668	12 31 25.51	-01 28 23.5	19.4 V	691
1997 EQ ₄	1997 03 09.39509	12 23 01.07	-01 09 08.2	20.1 V	691	1997 EX ₄	1997 03 02.40768	12 31 24.82	-01 28 16.8	20.0 V	691
1997 EQ ₄	1997 03 09.41607	12 22 59.88	-01 09 01.6	19.8 V	691	1997 EX ₄	1997 03 02.42967	12 31 24.10	-01 28 09.0	19.8 V	691
1997 ER ₄	* 1997 03 02.38529	12 29 25.67	-01 28 56.3	19.5 V	691	1997 EX ₄	1997 03 07.42515	12 28 38.60	-00 58 41.6	20.1 V	691
1997 ER ₄	1997 03 02.40629	12 29 24.90	-01 28 50.7	19.5 V	691	1997 EX ₄	1997 03 07.45112	12 28 37.65	-00 58 31.6	19.8 V	691

1997 EX ₄	1997 03 07.47222	12 28 36.90	-00 58 23.7	20.4 V	691	1997 EF ₅	1997 03 09.38735	12 11 50.29	-01 18 58.6	21.3 V	691
1997 EY ₄	* 1997 03 04.38074	12 11 29.08	-02 00 08.5	20.6 V	691	1997 EF ₅	1997 03 09.40833	12 11 49.34	-01 18 47.0	21.0 V	691
1997 EY ₄	1997 03 04.42540	12 11 26.98	-02 00 00.6	20.8 V	691	1997 EG ₅	* 1997 03 04.38372	12 15 46.54	-02 00 07.4	20.0 V	691
1997 EY ₄	1997 03 07.34705	12 09 13.42	-01 50 49.9	20.5 V	691	1997 EG ₅	1997 03 04.40718	12 15 45.58	-02 00 00.6	20.0 V	691
1997 EY ₄	1997 03 07.36792	12 09 12.41	-01 50 45.4	20.6 V	691	1997 EG ₅	1997 03 04.42838	12 15 44.71	-01 59 54.7	20.1 V	691
1997 EY ₄	1997 03 07.38892	12 09 11.36	-01 50 41.3	20.8 V	691	1997 EG ₅	1997 03 07.35020	12 13 46.38	-01 45 49.1	20.0 V	691
1997 EZ ₄	* 1997 03 04.38099	12 11 50.69	-02 06 06.4	21.2 V	691	1997 EG ₅	1997 03 07.37108	12 13 45.46	-01 45 42.6	20.0 V	691
1997 EZ ₄	1997 03 04.40446	12 11 49.62	-02 05 58.8	20.8 V	691	1997 EG ₅	1997 03 07.39207	12 13 44.53	-01 45 36.5	19.9 V	691
1997 EZ ₄	1997 03 04.42565	12 11 48.70	-02 05 51.7	21.0 V	691	1997 EG ₅	1997 03 14.35986	12 08 32.24	-01 08 30.9	19.8 V	691
1997 EZ ₄	1997 03 07.34735	12 09 39.05	-01 50 03.2	21.4 V	691	1997 EG ₅	1997 03 14.39164	12 08 30.66	-01 08 20.5	19.5 V	691
1997 EZ ₄	1997 03 07.36822	12 09 38.06	-01 49 55.7	21.4 V	691	1997 EG ₅	1997 03 14.42060	12 08 29.25	-01 08 10.7	19.3 V	691
1997 EZ ₄	1997 03 07.38921	12 09 37.03	-01 49 48.5	21.3 V	691	1997 EH ₅	* 1997 03 04.38422	12 16 30.69	-02 24 58.6	20.0 V	691
1997 EA ₅	* 1997 03 04.38136	12 12 22.67	-02 10 36.1	18.6 V	691	1997 EH ₅	1997 03 04.40769	12 16 29.94	-02 24 40.9	20.0 V	691
1997 EA ₅	1997 03 04.40482	12 12 21.36	-02 10 27.9	18.6 V	691	1997 EH ₅	1997 03 04.42889	12 16 29.22	-02 24 25.3	20.1 V	691
1997 EA ₅	1997 03 04.42602	12 12 20.18	-02 10 20.7	18.6 V	691	1997 EH ₅	1997 03 07.35101	12 14 56.30	-01 47 29.0	19.9 V	691
1997 EA ₅	1997 03 07.34736	12 09 39.91	-01 52 57.1	18.6 V	691	1997 EH ₅	1997 03 07.37189	12 14 55.57	-01 47 12.8	20.0 V	691
1997 EA ₅	1997 03 07.36823	12 09 38.69	-01 52 48.9	18.6 V	691	1997 EH ₅	1997 03 07.39288	12 14 54.80	-01 46 56.8	19.9 V	691
1997 EA ₅	1997 03 07.38922	12 09 37.43	-01 52 41.3	18.5 V	691	1997 EH ₅	1997 03 09.36775	12 13 47.84	-01 21 23.2	19.9 V	691
1997 EB ₅	* 1997 03 04.38251	12 14 02.52	-02 09 21.7	20.9 V	691	1997 EH ₅	1997 03 09.38870	12 13 47.07	-01 21 06.8	20.2 V	691
1997 EB ₅	1997 03 04.40598	12 14 01.45	-02 09 16.4	20.6 V	691	1997 EH ₅	1997 03 09.40968	12 13 46.32	-01 20 50.3	20.1 V	691
1997 EB ₅	1997 03 04.42717	12 14 00.48	-02 09 12.2	20.8 V	691	1997 EJ ₅	* 1997 03 04.38749	12 21 13.37	-02 00 06.6	20.2 V	691
1997 EB ₅	1997 03 07.34883	12 11 47.84	-01 58 28.9	21.2 V	691	1997 EJ ₅	1997 03 04.41095	12 21 12.45	-02 00 01.2	20.1 V	691
1997 EB ₅	1997 03 07.36971	12 11 46.81	-01 58 23.6	20.8 V	691	1997 EJ ₅	1997 03 04.43215	12 21 11.65	-01 59 56.4	20.3 V	691
1997 EB ₅	1997 03 07.39070	12 11 45.81	-01 58 18.9	20.8 V	691	1997 EJ ₅	1997 03 07.35405	12 19 20.06	-01 48 28.5	20.1 V	691
1997 EC ₅	* 1997 03 04.38310	12 14 52.92	-02 06 48.9	20.5 V	691	1997 EJ ₅	1997 03 07.37493	12 19 19.22	-01 48 23.4	20.1 V	691
1997 EC ₅	1997 03 04.40656	12 14 51.80	-02 06 39.5	20.4 V	691	1997 EJ ₅	1997 03 07.39592	12 19 18.37	-01 48 18.7	20.1 V	691
1997 EC ₅	1997 03 04.42775	12 14 50.77	-02 06 31.3	20.5 V	691	1997 EK ₅	* 1997 03 04.38819	12 22 14.36	-02 06 00.8	20.2 V	691
1997 EC ₅	1997 03 07.34935	12 12 32.76	-01 46 58.6	20.0 V	691	1997 EK ₅	1997 03 04.41166	12 22 13.44	-02 05 52.4	20.3 V	691
1997 EC ₅	1997 03 07.37022	12 12 31.68	-01 46 50.0	20.0 V	691	1997 EK ₅	1997 03 04.43285	12 22 12.60	-02 05 45.6	20.6 V	691
1997 EC ₅	1997 03 07.39122	12 12 30.60	-01 46 41.2	19.9 V	691	1997 EK ₅	1997 03 07.35471	12 20 16.95	-01 49 11.3	20.8 V	691
1997 ED ₅	* 1997 03 04.38310	12 14 53.04	-02 14 53.6	19.5 V	691	1997 EK ₅	1997 03 07.37559	12 20 16.05	-01 49 03.5	20.8 V	691
1997 ED ₅	1997 03 04.40656	12 14 51.95	-02 14 44.0	19.6 V	691	1997 EK ₅	1997 03 07.39658	12 20 15.16	-01 48 56.8	20.5 V	691
1997 ED ₅	1997 03 04.42776	12 14 50.96	-02 14 35.8	19.8 V	691	1997 EL ₅	* 1997 03 04.38829	12 22 22.71	-02 01 31.9	19.9 V	691
1997 ED ₅	1997 03 07.34941	12 12 37.49	-01 54 33.0	19.8 V	691	1997 EL ₅	1997 03 04.41175	12 22 21.62	-02 01 23.9	20.0 V	691
1997 ED ₅	1997 03 07.37028	12 12 36.46	-01 54 23.6	19.6 V	691	1997 EL ₅	1997 03 04.43295	12 22 20.65	-02 01 16.9	20.3 V	691
1997 ED ₅	1997 03 07.39127	12 12 35.42	-01 54 15.0	19.6 V	691	1997 EL ₅	1997 03 07.35458	12 20 05.95	-01 44 26.6	20.2 V	691
1997 ED ₅	1997 03 14.35871	12 06 53.03	-01 03 27.3	19.4 V	691	1997 EL ₅	1997 03 07.37546	12 20 04.92	-01 44 19.2	20.0 V	691
1997 ED ₅	1997 03 14.39049	12 06 51.32	-01 03 13.1	19.2 V	691	1997 EL ₅	1997 03 07.39645	12 20 03.88	-01 44 12.0	20.1 V	691
1997 ED ₅	1997 03 14.41945	12 06 49.82	-01 03 00.3	19.2 V	691	1997 EM ₅	* 1997 03 04.38905	12 23 28.29	-02 07 33.3	20.4 V	691
1997 EE ₅	* 1997 03 04.38322	12 15 03.32	-02 00 50.6	18.1 V	691	1997 EM ₅	1997 03 04.41251	12 23 27.07	-02 07 27.8	20.5 V	691
1997 EE ₅	1997 03 04.40668	12 15 02.29	-02 00 43.5	18.1 V	691	1997 EM ₅	1997 03 04.43370	12 23 25.99	-02 07 22.8	20.8 V	691
1997 EE ₅	1997 03 04.42788	12 15 01.36	-02 00 37.5	18.1 V	691	1997 EM ₅	1997 03 07.35517	12 20 56.91	-01 55 49.7	19.9 V	691
1997 EE ₅	1997 03 07.34962	12 12 55.85	-01 45 45.4	17.9 V	691	1997 EM ₅	1997 03 07.37604	12 20 55.71	-01 55 43.6	20.6 V	691
1997 EE ₅	1997 03 07.37049	12 12 54.87	-01 45 38.3	17.8 V	691	1997 EM ₅	1997 03 07.39703	12 20 54.56	-01 55 38.5	20.3 V	691
1997 EE ₅	1997 03 07.39149	12 12 53.85	-01 45 31.9	17.8 V	691	1997 EN ₅	* 1997 03 04.38956	12 24 13.12	-02 07 04.7	20.1 V	691
1997 EF ₅	* 1997 03 04.38340	12 15 19.47	-02 03 08.6	21.2 V	691	1997 EN ₅	1997 03 04.41303	12 24 12.05	-02 06 59.2	20.2 V	691
1997 EF ₅	1997 03 04.40687	12 15 18.51	-02 02 56.2	21.1 V	691	1997 EN ₅	1997 03 04.43422	12 24 11.13	-02 06 53.9	20.2 V	691
1997 EF ₅	1997 03 04.42806	12 15 17.63	-02 02 46.1	21.4 V	691	1997 EN ₅	1997 03 07.35592	12 22 01.71	-01 54 45.0	20.1 V	691
1997 EF ₅	1997 03 07.34987	12 13 17.91	-01 37 15.6	21.5 V	691	1997 EN ₅	1997 03 07.37679	12 22 00.73	-01 54 39.8	20.3 V	691
1997 EF ₅	1997 03 07.37075	12 13 17.00	-01 37 04.7	21.4 V	691	1997 EN ₅	1997 03 07.39779	12 21 59.75	-01 54 34.4	20.0 V	691
1997 EF ₅	1997 03 07.39174	12 13 16.06	-01 36 53.3	21.1 V	691	1997 EN ₅	1997 03 14.36530	12 16 23.93	-01 22 52.3	19.9 V	691
1997 EF ₅	1997 03 09.36640	12 11 51.23	-01 19 10.1	21.0 V	691	1997 EN ₅	1997 03 14.39708	12 16 22.30	-01 22 43.4	19.9 V	691

1997 EN ₅	1997 03 14.42604	12 16 20.79	-01 22 35.2	19.7 V	691	1997 EV ₅	1997 03 04.41800	12 31 22.94	-02 22 28.1	21.1 V	691
1997 EO ₅	* 1997 03 04.39040	12 25 25.38	-02 07 15.3	21.0 V	691	1997 EV ₅	1997 03 04.43920	12 31 22.27	-02 22 18.5	21.2 V	691
1997 EO ₅	1997 03 04.41386	12 25 24.48	-02 07 09.0	21.0 V	691	1997 EV ₅	1997 03 07.36129	12 29 46.98	-01 58 48.9	20.7 V	691
1997 EO ₅	1997 03 04.43506	12 25 23.68	-02 07 02.8	21.7 V	691	1997 EV ₅	1997 03 07.38217	12 29 46.19	-01 58 39.3	20.9 V	691
1997 EO ₅	1997 03 07.35697	12 23 32.76	-01 53 16.5	21.3 V	691	1997 EV ₅	1997 03 07.40316	12 29 45.33	-01 58 28.3	20.6 V	691
1997 EO ₅	1997 03 07.37785	12 23 31.92	-01 53 10.6	21.2 V	691	1997 EV ₅	1997 03 14.37150	12 25 21.06	-00 57 50.4	20.7 V	691
1997 EO ₅	1997 03 07.39884	12 23 31.09	-01 53 04.9	21.1 V	691	1997 EV ₅	1997 03 14.40329	12 25 19.72	-00 57 33.2	21.0 V	691
1997 EP ₅	* 1997 03 04.39077	12 25 57.99	-02 16 12.9	21.2 V	691	1997 EV ₅	1997 03 14.43225	12 25 18.45	-00 57 16.7	20.3 V	691
1997 EP ₅	1997 03 04.41424	12 25 56.84	-02 16 04.5	20.9 V	691	1997 EW ₅	* 1997 03 04.39481	12 31 48.05	-02 12 05.4	21.2 V	691
1997 EP ₅	1997 03 04.43543	12 25 55.79	-02 15 57.7	21.2 V	691	1997 EW ₅	1997 03 04.41828	12 31 47.13	-02 11 59.5	21.0 V	691
1997 EP ₅	1997 03 07.35697	12 23 32.96	-01 57 56.6	20.9 V	691	1997 EW ₅	1997 03 04.43948	12 31 46.31	-02 11 53.9	21.3 V	691
1997 EP ₅	1997 03 07.37785	12 23 31.86	-01 57 48.8	20.7 V	691	1997 EW ₅	1997 03 07.36135	12 29 51.92	-01 59 13.0	21.3 V	691
1997 EP ₅	1997 03 07.39884	12 23 30.75	-01 57 41.2	20.9 V	691	1997 EW ₅	1997 03 07.38222	12 29 51.04	-01 59 07.7	20.8 V	691
1997 EQ ₅	* 1997 03 04.39097	12 26 15.36	-02 03 31.0	19.8 V	691	1997 EW ₅	1997 03 07.40322	12 29 50.15	-01 59 01.7	21.4 V	691
1997 EQ ₅	1997 03 04.41444	12 26 14.31	-02 03 26.6	19.7 V	691	1997 EX ₅	* 1997 03 04.39486	12 31 52.40	-02 19 08.7	20.4 V	691
1997 EQ ₅	1997 03 04.43563	12 26 13.37	-02 03 22.8	19.9 V	691	1997 EX ₅	1997 03 04.41833	12 31 51.77	-02 18 51.5	20.6 V	691
1997 EQ ₅	1997 03 07.35735	12 24 05.34	-01 53 42.2	19.5 V	691	1997 EX ₅	1997 03 04.43953	12 31 51.21	-02 18 36.1	20.5 V	691
1997 EQ ₅	1997 03 07.37822	12 24 04.32	-01 53 38.2	19.4 V	691	1997 EX ₅	1997 03 07.36187	12 30 36.77	-01 41 59.5	20.8 V	691
1997 EQ ₅	1997 03 07.39921	12 24 03.33	-01 53 33.7	19.5 V	691	1997 EX ₅	1997 03 07.38274	12 30 36.16	-01 41 43.7	20.6 V	691
1997 EQ ₅	1997 03 13.42141	12 19 07.14	-01 30 36.9	19.3 V	691	1997 EX ₅	1997 03 07.40374	12 30 35.54	-01 41 27.5	20.6 V	691
1997 EQ ₅	1997 03 13.44307	12 19 05.94	-01 30 31.5	19.4 V	691	1997 EY ₅	* 1997 03 04.41414	12 25 48.15	-02 00 36.3	19.6 V	691
1997 EQ ₅	1997 03 13.46486	12 19 04.76	-01 30 26.0	19.3 V	691	1997 EY ₅	1997 03 04.43533	12 25 47.45	-02 00 32.1	19.7 V	691
1997 EQ ₅	1997 03 14.36661	12 18 17.63	-01 26 43.0	19.2 V	691	1997 EY ₅	1997 03 07.35743	12 24 12.43	-01 51 53.5	19.2 V	691
1997 EQ ₅	1997 03 14.39840	12 18 15.91	-01 26 35.6	19.4 V	691	1997 EY ₅	1997 03 07.37831	12 24 11.70	-01 51 49.8	19.1 V	691
1997 EQ ₅	1997 03 14.42736	12 18 14.29	-01 26 28.1	19.1 V	691	1997 EY ₅	1997 03 07.39930	12 24 10.98	-01 51 46.1	19.2 V	691
1997 ER ₅	* 1997 03 04.39237	12 28 16.31	-02 09 12.8	19.1 V	691	1997 EM ₆	* 1997 03 02.37312	12 11 50.34	-01 57 42.7	19.7 V	691
1997 ER ₅	1997 03 04.41584	12 28 15.24	-02 09 05.0	19.1 V	691	1997 EM ₆	1997 03 02.39411	12 11 49.29	-01 57 37.5	20.0 V	691
1997 ER ₅	1997 03 04.43703	12 28 14.32	-02 08 57.9	19.0 V	691	1997 EM ₆	1997 03 02.41610	12 11 48.20	-01 57 31.4	19.6 V	691
1997 ER ₅	1997 03 07.35873	12 26 05.36	-01 52 22.7	19.1 V	691	1997 EM ₆	1997 03 08.22663	12 06 55.44	-01 30 15.7	20.1 V	691
1997 ER ₅	1997 03 07.37961	12 26 04.39	-01 52 15.5	19.1 V	691	1997 EM ₆	1997 03 08.23380	12 06 55.04	-01 30 13.0	19.8 V	691
1997 ER ₅	1997 03 07.40060	12 26 03.39	-01 52 08.3	18.9 V	691	1997 EM ₆	1997 03 08.24080	12 06 54.65	-01 30 10.6	19.8 V	691
1997 ER ₅	1997 03 14.36810	12 20 26.72	-01 09 35.9	19.0 V	691	1997 EM ₆	1997 03 09.36234	12 05 54.56	-01 24 33.0	19.6 V	691
1997 ER ₅	1997 03 14.39989	12 20 25.07	-01 09 23.8	19.0 V	691	1997 EM ₆	1997 03 09.38332	12 05 53.42	-01 24 26.3	19.4 V	691
1997 ER ₅	1997 03 14.42885	12 20 23.53	-01 09 12.8	18.7 V	691	1997 EM ₆	1997 03 09.40430	12 05 52.27	-01 24 20.1	19.7 V	691
1997 ES ₅	* 1997 03 04.39296	12 29 07.18	-02 16 28.9	20.0 V	691	1997 EN ₆	* 1997 03 02.37349	12 12 23.00	-01 48 10.2	20.8 V	691
1997 ES ₅	1997 03 04.41642	12 29 06.16	-02 16 18.9	20.2 V	691	1997 EN ₆	1997 03 02.39449	12 12 21.92	-01 48 08.3	21.2 V	691
1997 ES ₅	1997 03 04.43762	12 29 05.23	-02 16 10.5	20.0 V	691	1997 EN ₆	1997 03 02.41647	12 12 20.78	-01 48 05.8	20.9 V	691
1997 ES ₅	1997 03 07.35937	12 27 00.55	-01 55 15.3	20.3 V	691	1997 EN ₆	1997 03 08.22685	12 07 14.53	-01 35 40.4	21.4 V	691
1997 ES ₅	1997 03 07.38024	12 26 59.56	-01 55 06.2	20.3 V	691	1997 EN ₆	1997 03 08.23402	12 07 14.09	-01 35 39.3	20.9 V	691
1997 ES ₅	1997 03 07.40124	12 26 58.59	-01 54 56.7	19.9 V	691	1997 EN ₆	1997 03 08.24102	12 07 13.65	-01 35 37.8	20.9 V	691
1997 ET ₅	* 1997 03 04.39358	12 30 01.41	-02 14 50.1	21.2 V	691	1997 EO ₆	* 1997 03 02.37433	12 13 35.75	-01 48 51.6	17.5 V	691
1997 ET ₅	1997 03 04.41705	12 30 00.40	-02 14 43.0	21.9 V	691	1997 EO ₆	1997 03 02.39533	12 13 34.88	-01 48 45.7	17.5 V	691
1997 ET ₅	1997 03 04.43824	12 29 59.54	-02 14 36.7	21.4 V	691	1997 EO ₆	1997 03 02.41732	12 13 34.01	-01 48 39.3	17.5 V	691
1997 ET ₅	1997 03 07.36002	12 27 56.84	-01 59 08.8	21.3 V	691	1997 EO ₆	1997 03 08.22841	12 09 29.32	-01 18 30.4	17.6 V	691
1997 ET ₅	1997 03 07.38089	12 27 55.87	-01 59 02.0	21.4 V	691	1997 EO ₆	1997 03 08.23557	12 09 28.98	-01 18 27.9	17.4 V	691
1997 EU ₅	* 1997 03 04.39452	12 31 22.31	-02 10 42.7	21.1 V	691	1997 EO ₆	1997 03 08.24257	12 09 28.66	-01 18 25.6	17.4 V	691
1997 EU ₅	1997 03 04.41798	12 31 21.42	-02 10 33.9	21.5 V	691	1997 EO ₆	1997 03 09.36416	12 08 36.49	-01 12 05.5	17.3 V	691
1997 EU ₅	1997 03 04.43918	12 31 20.69	-02 10 26.0	21.2 V	691	1997 EO ₆	1997 03 09.38510	12 08 35.47	-01 11 58.1	17.4 V	691
1997 EU ₅	1997 03 07.36115	12 29 35.03	-01 51 47.2	21.3 V	691	1997 EO ₆	1997 03 09.40608	12 08 34.44	-01 11 51.1	17.3 V	691
1997 EU ₅	1997 03 07.38203	12 29 34.18	-01 51 38.9	21.2 V	691	1997 EP ₆	* 1997 03 02.37527	12 14 57.09	-01 44 16.0	21.5 V	691
1997 EU ₅	1997 03 07.40302	12 29 33.37	-01 51 30.7	21.4 V	691	1997 EP ₆	1997 03 02.41825	12 14 55.13	-01 44 08.1	21.5 V	691
1997 EV ₅	* 1997 03 04.39453	12 31 23.74	-02 22 39.4	21.1 V	691	1997 EP ₆	1997 03 08.22905	12 10 24.38	-01 24 48.9	21.2 V	691

1997 EP ₆	1997 03 08.23621	12 10 24.06	-01 24 47.4	21.5 V	691	1997 EW ₆	1997 03 09.23539	10 02 47.12	+01 54 31.5	19.6 V	691
1997 EP ₆	1997 03 08.24321	12 10 23.69	-01 24 45.9	20.9 V	691	1997 EW ₆	1997 03 09.25639	10 02 46.02	+01 54 40.6	19.8 V	691
1997 EP ₆	1997 03 09.36474	12 09 27.21	-01 20 39.6	21.2 V	691	1997 EW ₆	1997 03 09.27728	10 02 44.91	+01 54 49.4	19.7 V	691
1997 EP ₆	1997 03 09.38569	12 09 26.13	-01 20 34.8	21.1 V	691	1997 EW ₆	1997 03 10.19200	10 01 58.97	+02 01 25.8	20.0 V	691
1997 EP ₆	1997 03 09.40667	12 09 25.02	-01 20 30.1	21.0 V	691	1997 EW ₆	1997 03 10.21356	10 01 57.86	+02 01 35.1	19.8 V	691
1997 EQ ₆	* 1997 03 02.37534	12 15 03.28	-01 52 50.8	20.0 V	691	1997 EW ₆	1997 03 10.23448	10 01 56.78	+02 01 44.3	19.8 V	691
1997 EQ ₆	1997 03 02.39634	12 15 02.32	-01 52 44.9	20.2 V	691	1997 EX ₆	* 1997 03 03.17364	10 08 26.39	+01 25 19.2	21.0 V	691
1997 EQ ₆	1997 03 02.41833	12 15 01.40	-01 52 38.5	20.4 V	691	1997 EX ₆	1997 03 03.19491	10 08 25.36	+01 25 22.9	21.0 V	691
1997 EQ ₆	1997 03 08.22923	12 10 39.97	-01 23 08.6	20.9 V	691	1997 EX ₆	1997 03 03.21804	10 08 24.23	+01 25 26.8	20.7 V	691
1997 EQ ₆	1997 03 08.23639	12 10 39.62	-01 23 05.9	20.8 V	691	1997 EX ₆	1997 03 08.31483	10 04 25.52	+01 40 23.4	20.9 V	691
1997 EQ ₆	1997 03 08.24339	12 10 39.27	-01 23 03.7	20.8 V	691	1997 EX ₆	1997 03 08.33572	10 04 24.53	+01 40 27.2	21.7 V	691
1997 ER ₆	* 1997 03 03.17026	10 03 34.15	+01 06 37.0	19.8 V	691	1997 EY ₆	* 1997 03 03.17400	10 08 57.60	+00 59 08.9	20.1 V	691
1997 ER ₆	1997 03 03.19154	10 03 33.16	+01 06 45.8	20.1 V	691	1997 EY ₆	1997 03 03.19527	10 08 56.38	+00 59 19.2	20.1 V	691
1997 ER ₆	1997 03 03.21466	10 03 32.03	+01 06 54.4	19.8 V	691	1997 EY ₆	1997 03 03.21839	10 08 55.09	+00 59 29.8	19.9 V	691
1997 ER ₆	1997 03 08.31173	09 59 43.49	+01 39 54.5	19.8 V	691	1997 EY ₆	1997 03 08.31485	10 04 26.48	+01 40 34.2	20.5 V	691
1997 ER ₆	1997 03 08.33262	09 59 42.56	+01 40 02.6	20.1 V	691	1997 EY ₆	1997 03 08.33573	10 04 25.41	+01 40 43.8	20.8 V	691
1997 ER ₆	1997 03 08.35362	09 59 41.62	+01 40 10.8	19.8 V	691	1997 EY ₆	1997 03 08.35672	10 04 24.30	+01 40 54.2	20.4 V	691
1997 ER ₆	1997 03 09.23317	09 59 04.46	+01 45 54.5	19.5 V	691	1997 EY ₆	1997 03 09.23602	10 03 41.07	+01 47 59.2	20.1 V	691
1997 ER ₆	1997 03 09.25416	09 59 03.51	+01 46 03.6	19.7 V	691	1997 EY ₆	1997 03 09.25701	10 03 39.99	+01 48 09.5	20.0 V	691
1997 ER ₆	1997 03 09.27506	09 59 02.58	+01 46 11.5	19.9 V	691	1997 EY ₆	1997 03 09.27790	10 03 38.93	+01 48 19.6	19.9 V	691
1997 ES ₆	* 1997 03 03.17140	10 05 12.92	+01 17 34.9	19.7 V	691	1997 EZ ₆	* 1997 03 03.17577	10 11 31.69	+01 28 09.6	19.6 V	691
1997 ES ₆	1997 03 03.19267	10 05 11.74	+01 17 41.9	19.9 V	691	1997 EZ ₆	1997 03 03.19705	10 11 30.48	+01 28 16.9	20.0 V	691
1997 ES ₆	1997 03 03.21580	10 05 10.42	+01 17 49.1	19.4 V	691	1997 EZ ₆	1997 03 03.22017	10 11 29.20	+01 28 24.5	19.8 V	691
1997 ES ₆	1997 03 08.31232	10 00 47.40	+01 45 18.8	20.0 V	691	1997 EZ ₆	1997 03 08.31668	10 07 05.64	+01 57 07.2	20.2 V	691
1997 ES ₆	1997 03 08.33320	10 00 46.35	+01 45 25.6	20.0 V	691	1997 EZ ₆	1997 03 08.33757	10 07 04.57	+01 57 14.4	20.5 V	691
1997 ES ₆	1997 03 08.35419	10 00 45.25	+01 45 32.4	19.7 V	691	1997 EZ ₆	1997 03 08.35856	10 07 03.50	+01 57 21.3	20.1 V	691
1997 ET ₆	* 1997 03 03.17273	10 07 08.15	+01 28 38.5	19.9 V	691	1997 EA ₇	* 1997 03 03.17641	10 12 26.39	+01 04 51.6	19.8 V	691
1997 ET ₆	1997 03 03.19400	10 07 07.01	+01 28 45.8	20.5 V	691	1997 EA ₇	1997 03 03.19768	10 12 25.05	+01 04 59.3	19.8 V	691
1997 ET ₆	1997 03 03.21713	10 07 05.75	+01 28 53.2	19.9 V	691	1997 EA ₇	1997 03 03.22080	10 12 23.54	+01 05 07.7	19.6 V	691
1997 ET ₆	1997 03 08.31365	10 02 43.09	+01 56 44.4	20.0 V	691	1997 EA ₇	1997 03 08.31679	10 07 14.71	+01 37 22.0	20.0 V	691
1997 ET ₆	1997 03 08.33454	10 02 42.08	+01 56 52.0	20.0 V	691	1997 EA ₇	1997 03 08.33767	10 07 13.44	+01 37 30.0	20.3 V	691
1997 ET ₆	1997 03 08.35553	10 02 41.07	+01 56 59.7	19.9 V	691	1997 EA ₇	1997 03 08.35866	10 07 12.17	+01 37 38.0	19.9 V	691
1997 ET ₆	1997 03 10.21302	10 01 10.45	+02 07 11.2	20.3 V	691	1997 EB ₇	* 1997 03 03.17676	10 12 56.82	+01 06 33.2	19.5 V	691
1997 ET ₆	1997 03 10.23393	10 01 09.40	+02 07 18.3	20.4 V	691	1997 EB ₇	1997 03 03.19803	10 12 55.96	+01 06 44.5	19.6 V	691
1997 EU ₆	* 1997 03 03.17300	10 07 31.27	+01 04 52.8	19.2 V	691	1997 EB ₇	1997 03 03.22116	10 12 54.97	+01 06 56.2	19.3 V	691
1997 EU ₆	1997 03 03.19427	10 07 29.99	+01 04 54.7	19.5 V	691	1997 EB ₇	1997 03 08.31844	10 09 38.17	+01 51 23.6	20.1 V	691
1997 EU ₆	1997 03 03.21740	10 07 28.58	+01 04 57.1	19.3 V	691	1997 EB ₇	1997 03 08.33933	10 09 37.36	+01 51 34.6	19.9 V	691
1997 EU ₆	1997 03 08.25047	10 02 44.20	+01 13 52.9	19.6 V	691	1997 EB ₇	1997 03 08.36033	10 09 36.56	+01 51 45.5	19.9 V	691
1997 EU ₆	1997 03 08.27139	10 02 43.04	+01 13 55.2	19.8 V	691	1997 EB ₇	1997 03 09.23975	10 09 04.79	+01 59 25.7	19.2 V	691
1997 EU ₆	1997 03 08.29236	10 02 41.84	+01 13 57.5	19.6 V	691	1997 EB ₇	1997 03 09.26075	10 09 04.01	+01 59 36.7	19.3 V	691
1997 EV ₆	* 1997 03 03.17337	10 08 03.29	+01 03 08.1	19.4 V	691	1997 EB ₇	1997 03 09.28164	10 09 03.22	+01 59 47.7	19.2 V	691
1997 EV ₆	1997 03 03.19464	10 08 02.38	+01 03 16.1	19.7 V	691	1997 EB ₇	1997 03 10.19653	10 08 30.79	+02 07 45.5	20.2 V	691
1997 EV ₆	1997 03 03.21777	10 08 01.40	+01 03 24.8	19.4 V	691	1997 EB ₇	1997 03 10.21809	10 08 29.98	+02 07 57.0	20.0 V	691
1997 EV ₆	1997 03 08.31494	10 04 34.50	+01 35 46.4	19.7 V	691	1997 EB ₇	1997 03 10.23901	10 08 29.23	+02 08 07.6	20.0 V	691
1997 EV ₆	1997 03 08.33582	10 04 33.67	+01 35 54.3	20.1 V	691	1997 EC ₇	* 1997 03 03.17732	10 13 45.17	+01 11 36.5	20.5 V	691
1997 EV ₆	1997 03 08.35682	10 04 32.81	+01 36 02.6	19.6 V	691	1997 EC ₇	1997 03 03.19859	10 13 43.84	+01 11 38.8	20.4 V	691
1997 EW ₆	* 1997 03 03.17344	10 08 09.39	+01 11 02.1	19.7 V	691	1997 EC ₇	1997 03 03.22171	10 13 42.37	+01 11 40.6	20.1 V	691
1997 EW ₆	1997 03 03.19471	10 08 08.19	+01 11 11.0	19.8 V	691	1997 EC ₇	1997 03 08.25455	10 08 38.08	+01 20 15.3	20.2 V	691
1997 EW ₆	1997 03 03.21784	10 08 06.86	+01 11 20.9	19.7 V	691	1997 EC ₇	1997 03 08.27547	10 08 36.81	+01 20 18.1	20.3 V	691
1997 EW ₆	1997 03 08.31424	10 03 34.14	+01 47 52.5	20.0 V	691	1997 EC ₇	1997 03 08.29644	10 08 35.54	+01 20 20.4	20.4 V	691
1997 EW ₆	1997 03 08.33512	10 03 33.03	+01 48 01.6	20.1 V	691	1997 ED ₇	* 1997 03 03.17873	10 15 47.40	+01 11 03.4	19.3 V	691
1997 EW ₆	1997 03 08.35612	10 03 31.89	+01 48 10.6	19.9 V	691	1997 ED ₇	1997 03 03.20000	10 15 46.19	+01 11 10.3	19.2 V	691

1997 ED ₇	1997 03 03.22313	10 15 44.89	+01 11 18.3	19.3 V	691	1997 EK ₇	* 1997 03 07.34850	12 11 18.91	−01 32 57.8	19.2 V	691
1997 ED ₇	1997 03 08.31956	10 11 15.16	+01 40 12.3	20.1 V	691	1997 EK ₇	1997 03 07.36937	12 11 17.93	−01 32 49.4	19.1 V	691
1997 ED ₇	1997 03 08.34045	10 11 14.06	+01 40 19.5	19.8 V	691	1997 EK ₇	1997 03 07.39037	12 11 16.95	−01 32 41.9	19.0 V	691
1997 ED ₇	1997 03 08.36144	10 11 12.96	+01 40 26.5	19.6 V	691	1997 EK ₇	1997 03 08.22923	12 10 40.22	−01 27 30.0	19.2 V	691
1997 ED ₇	1997 03 09.24072	10 10 28.91	+01 45 28.2	19.1 V	691	1997 EK ₇	1997 03 08.23639	12 10 39.91	−01 27 27.5	19.1 V	691
1997 ED ₇	1997 03 09.26172	10 10 27.83	+01 45 35.2	19.2 V	691	1997 EK ₇	1997 03 08.24339	12 10 39.57	−01 27 24.8	19.1 V	691
1997 ED ₇	1997 03 09.28261	10 10 26.74	+01 45 42.6	19.3 V	691	1997 EK ₇	1997 03 09.36499	12 09 48.81	−01 20 22.4	19.0 V	691
1997 EE ₇	* 1997 03 03.17875	10 15 49.69	+01 08 11.2	19.3 V	691	1997 EK ₇	1997 03 09.38594	12 09 47.80	−01 20 14.1	19.1 V	691
1997 EE ₇	1997 03 03.20003	10 15 48.79	+01 08 21.2	19.2 V	691	1997 EK ₇	1997 03 09.40692	12 09 46.81	−01 20 06.5	18.9 V	691
1997 EE ₇	1997 03 03.22316	10 15 47.79	+01 08 32.2	19.0 V	691	1997 ER ₇	1997 03 10.12797	08 40 42.99	+15 17 16.0	18.5 V	691
1997 EE ₇	1997 03 08.32036	10 12 24.00	+01 48 38.0	19.6 V	691	1997 ER ₇	1997 03 10.14998	08 40 42.42	+15 17 17.5	18.4 V	691
1997 EE ₇	1997 03 08.34124	10 12 23.16	+01 48 47.8	19.3 V	691	1997 ER ₇	1997 03 10.17170	08 40 41.85	+15 17 19.4	18.4 V	691
1997 EE ₇	1997 03 08.36224	10 12 22.33	+01 48 57.6	19.8 V	691	1997 EL ₈	* 1997 03 02.13545	08 18 47.54	+15 51 29.7	17.9 V	691
1997 EE ₇	1997 03 09.24165	10 11 48.70	+01 55 54.1	19.0 V	691	1997 EL ₈	1997 03 02.15746	08 18 46.81	+15 51 30.9	18.0 V	691
1997 EE ₇	1997 03 09.26264	10 11 47.91	+01 56 03.9	19.0 V	691	1997 EL ₈	1997 03 02.18070	08 18 46.04	+15 51 32.5	18.1 V	691
1997 EE ₇	1997 03 09.28353	10 11 47.07	+01 56 13.9	19.1 V	691	1997 EL ₈	1997 03 09.12630	08 15 39.79	+15 56 17.9	18.4 V	691
1997 EE ₇	1997 03 10.19839	10 11 12.53	+02 03 26.5	19.0 V	691	1997 EL ₈	1997 03 09.14788	08 15 39.30	+15 56 18.8	18.8 V	691
1997 EE ₇	1997 03 10.21996	10 11 11.70	+02 03 36.7	18.9 V	691	1997 EL ₈	1997 03 09.18305	08 15 38.49	+15 56 19.7	18.2 V	691
1997 EE ₇	1997 03 10.24088	10 11 10.87	+02 03 46.6	18.8 V	691	1997 EM ₈	* 1997 03 02.13572	08 19 11.10	+15 55 43.8	20.5 V	691
1997 EF ₇	* 1997 03 03.18010	10 17 46.22	+01 03 16.6	20.2 V	691	1997 EM ₈	1997 03 02.15774	08 19 10.38	+15 55 43.9	20.3 V	691
1997 EF ₇	1997 03 03.20137	10 17 45.18	+01 03 19.7	20.3 V	691	1997 EM ₈	1997 03 02.18097	08 19 09.63	+15 55 44.2	20.3 V	691
1997 EF ₇	1997 03 03.22450	10 17 44.04	+01 03 23.3	20.1 V	691	1997 EM ₈	1997 03 09.12670	08 16 14.65	+15 54 21.5	20.6 V	691
1997 EF ₇	1997 03 08.25814	10 13 49.00	+01 17 34.9	20.6 V	691	1997 EM ₈	1997 03 09.14828	08 16 14.21	+15 54 21.0	20.9 V	691
1997 EF ₇	1997 03 08.27907	10 13 48.00	+01 17 39.1	20.1 V	691	1997 EM ₈	1997 03 09.18345	08 16 13.47	+15 54 20.2	20.3 V	691
1997 EF ₇	1997 03 08.30004	10 13 47.04	+01 17 42.6	20.4 V	691	1997 EN ₈	* 1997 03 02.13708	08 21 09.09	+15 47 44.9	19.8 V	691
1997 EG ₇	* 1997 03 03.18171	10 20 05.43	+01 00 20.0	20.0 V	691	1997 EN ₈	1997 03 02.15910	08 21 08.42	+15 47 43.1	20.4 V	691
1997 EG ₇	1997 03 03.20297	10 20 04.10	+01 00 22.6	20.2 V	691	1997 EN ₈	1997 03 02.18234	08 21 07.75	+15 47 42.6	20.3 V	691
1997 EG ₇	1997 03 03.22610	10 20 02.69	+01 00 25.3	20.1 V	691	1997 EN ₈	1997 03 09.12858	08 18 57.74	+15 41 26.5	20.4 V	691
1997 EG ₇	1997 03 08.25906	10 15 08.82	+01 10 37.3	20.8 V	691	1997 EN ₈	1997 03 09.15017	08 18 57.44	+15 41 25.4	20.8 V	691
1997 EG ₇	1997 03 08.27999	10 15 07.59	+01 10 40.4	20.3 V	691	1997 EN ₈	1997 03 09.18534	08 18 56.98	+15 41 22.8	20.3 V	691
1997 EG ₇	1997 03 08.30095	10 15 06.38	+01 10 42.8	20.2 V	691	1997 EO ₈	* 1997 03 02.20429	08 19 37.03	+15 26 05.7	20.7 V	691
1997 EG ₇	1997 03 13.20235	10 10 39.29	+01 21 11.9	20.2 V	691	1997 EO ₈	1997 03 02.22676	08 19 36.33	+15 26 10.9	20.7 V	691
1997 EG ₇	1997 03 13.22465	10 10 38.10	+01 21 14.5	20.3 V	691	1997 EO ₈	1997 03 02.24871	08 19 35.63	+15 26 15.1	20.8 V	691
1997 EG ₇	1997 03 13.24618	10 10 36.96	+01 21 17.7	20.3 V	691	1997 EO ₈	1997 03 09.12703	08 16 43.56	+15 50 24.9	21.0 V	691
1997 EH ₇	* 1997 03 03.24187	10 09 46.11	+01 51 19.5	20.3 V	691	1997 EO ₈	1997 03 09.14862	08 16 43.11	+15 50 28.5	21.3 V	691
1997 EH ₇	1997 03 03.26338	10 09 44.68	+01 51 19.8	20.3 V	691	1997 EO ₈	1997 03 09.18378	08 16 42.36	+15 50 35.6	20.6 V	691
1997 EH ₇	1997 03 03.28942	10 09 42.95	+01 51 19.7	20.4 V	691	1997 EP ₈	* 1997 03 02.20983	08 27 37.26	+15 07 44.3	20.5 V	691
1997 EH ₇	1997 03 08.31497	10 04 37.44	+01 52 26.7	20.6 V	691	1997 EP ₈	1997 03 02.23231	08 27 36.68	+15 07 51.9	20.5 V	691
1997 EH ₇	1997 03 08.33585	10 04 36.18	+01 52 27.0	21.4 V	691	1997 EP ₈	1997 03 02.25426	08 27 36.14	+15 08 00.0	20.6 V	691
1997 EH ₇	1997 03 08.35684	10 04 34.92	+01 52 27.4	20.9 V	691	1997 EP ₈	1997 03 09.13311	08 25 29.40	+15 45 05.3	20.7 V	691
1997 EH ₇	1997 03 09.23606	10 03 44.85	+01 52 46.4	20.2 V	691	1997 EP ₈	1997 03 09.15469	08 25 29.07	+15 45 11.7	20.7 V	691
1997 EH ₇	1997 03 09.25705	10 03 43.62	+01 52 47.6	20.3 V	691	1997 EP ₈	1997 03 09.18986	08 25 28.54	+15 45 22.3	20.5 V	691
1997 EH ₇	1997 03 09.27794	10 03 42.37	+01 52 47.9	20.7 V	691	1997 EQ ₈	* 1997 03 02.20995	08 27 47.16	+15 24 59.9	20.7 V	691
1997 EJ ₇	* 1997 03 04.20006	10 08 03.69	+02 09 55.5	18.2 V	691	1997 EQ ₈	1997 03 02.23242	08 27 46.46	+15 25 04.3	20.9 V	691
1997 EJ ₇	1997 03 04.22223	10 08 01.88	+02 09 52.8	18.3 V	691	1997 EQ ₈	1997 03 02.25437	08 27 45.79	+15 25 08.8	20.9 V	691
1997 EJ ₇	1997 03 04.24412	10 08 00.11	+02 09 49.3	18.4 V	691	1997 EQ ₈	1997 03 09.13271	08 24 54.76	+15 45 13.2	21.0 V	691
1997 EJ ₇	1997 03 08.31366	10 02 43.57	+02 00 43.2	18.5 V	691	1997 EQ ₈	1997 03 09.15429	08 24 54.30	+15 45 16.7	21.1 V	691
1997 EJ ₇	1997 03 08.33453	10 02 41.94	+02 00 40.4	18.4 V	691	1997 EQ ₈	1997 03 09.18946	08 24 53.58	+15 45 21.6	20.7 V	691
1997 EJ ₇	1997 03 08.35552	10 02 40.29	+02 00 37.7	18.5 V	691	1997 ER ₈	* 1997 03 02.21001	08 27 52.26	+15 27 50.0	19.7 V	691
1997 EJ ₇	1997 03 09.23455	10 01 34.10	+01 58 43.7	18.3 V	691	1997 ER ₈	1997 03 02.23249	08 27 51.92	+15 27 55.4	19.7 V	691
1997 EJ ₇	1997 03 09.25554	10 01 32.46	+01 58 41.8	18.4 V	691	1997 ER ₈	1997 03 02.25443	08 27 51.58	+15 28 00.6	19.7 V	691
1997 EJ ₇	1997 03 09.27642	10 01 30.84	+01 58 38.8	18.3 V	691	1997 ER ₈	1997 03 09.13427	08 27 10.60	+15 52 06.2	20.0 V	691

1997 ER ₈	1997 03 09.15586	08 27 10.56	+15 52 10.2	19.8 V	691	1997 EA ₉	1997 03 09.14263	08 39 14.39	+15 48 01.6	19.9 V	691
1997 ER ₈	1997 03 09.19104	08 27 10.51	+15 52 16.6	19.6 V	691	1997 EA ₉	1997 03 09.16421	08 39 13.97	+15 48 07.4	19.7 V	691
1997 ES ₈	* 1997 03 02.21047	08 28 32.27	+15 15 58.9	20.0 V	691	1997 EA ₉	1997 03 09.19938	08 39 13.29	+15 48 17.6	19.6 V	691
1997 ES ₈	1997 03 02.23294	08 28 31.46	+15 16 03.2	20.3 V	691	1997 EB ₉	* 1997 03 02.30842	12 11 55.88	-01 06 42.4	18.9 V	691
1997 ES ₈	1997 03 02.25489	08 28 30.65	+15 16 07.9	20.3 V	691	1997 EB ₉	1997 03 02.32954	12 11 54.79	-01 06 41.5	19.2 V	691
1997 ES ₈	1997 03 09.13301	08 25 21.03	+15 37 55.4	20.3 V	691	1997 EB ₉	1997 03 02.35069	12 11 53.67	-01 06 40.5	19.0 V	691
1997 ES ₈	1997 03 09.15459	08 25 20.56	+15 37 58.7	20.3 V	691	1997 EB ₉	1997 03 09.42777	12 05 23.48	-00 58 11.6	18.4 V	691
1997 ES ₈	1997 03 09.18976	08 25 19.74	+15 38 04.9	20.1 V	691	1997 EB ₉	1997 03 09.43218	12 05 23.19	-00 58 10.9	18.4 V	691
1997 ET ₈	* 1997 03 02.21075	08 28 56.73	+15 11 25.6	20.7 V	691	1997 EB ₉	1997 03 09.43761	12 05 22.85	-00 58 10.6	18.5 V	691
1997 ET ₈	1997 03 02.23323	08 28 56.16	+15 11 30.6	21.1 V	691	1997 EC ₉	* 1997 03 02.31030	12 14 38.31	-01 11 32.5	20.8 V	691
1997 ET ₈	1997 03 02.25517	08 28 55.60	+15 11 35.9	21.0 V	691	1997 EC ₉	1997 03 02.33141	12 14 37.27	-01 11 32.4	20.8 V	691
1997 ET ₈	1997 03 09.13433	08 27 15.69	+15 36 33.2	20.9 V	691	1997 EC ₉	1997 03 02.35256	12 14 36.21	-01 11 32.2	20.7 V	691
1997 ET ₈	1997 03 09.15592	08 27 15.48	+15 36 37.0	20.9 V	691	1997 EC ₉	1997 03 09.36407	12 08 28.61	-01 07 55.4	20.1 V	691
1997 ET ₈	1997 03 09.19109	08 27 15.13	+15 36 43.6	20.7 V	691	1997 EC ₉	1997 03 09.38501	12 08 27.44	-01 07 54.1	20.6 V	691
1997 EU ₈	* 1997 03 02.21133	08 29 46.49	+15 01 42.1	20.3 V	691	1997 EC ₉	1997 03 09.40599	12 08 26.22	-01 07 53.1	20.7 V	691
1997 EU ₈	1997 03 02.23380	08 29 45.90	+15 01 50.5	20.4 V	691	1997 ED ₉	* 1997 03 02.31181	12 16 49.57	-01 27 39.6	20.9 V	691
1997 EU ₈	1997 03 02.25575	08 29 45.35	+15 01 59.6	20.4 V	691	1997 ED ₉	1997 03 02.33293	12 16 48.67	-01 27 36.8	21.2 V	691
1997 EU ₈	1997 03 09.13480	08 27 55.99	+15 43 18.0	20.6 V	691	1997 ED ₉	1997 03 02.35408	12 16 47.67	-01 27 33.0	21.0 V	691
1997 EU ₈	1997 03 09.15638	08 27 55.74	+15 43 25.3	20.4 V	691	1997 ED ₉	1997 03 09.36601	12 11 16.83	-01 06 57.6	21.1 V	691
1997 EU ₈	1997 03 09.19155	08 27 55.35	+15 43 36.7	20.2 V	691	1997 ED ₉	1997 03 09.38695	12 11 15.73	-01 06 53.3	21.1 V	691
1997 EV ₈	* 1997 03 02.21391	08 33 29.99	+15 20 59.5	21.0 V	691	1997 EE ₉	* 1997 03 02.32168	12 31 04.25	-01 27 12.8	20.4 V	691
1997 EV ₈	1997 03 02.23638	08 33 29.11	+15 21 02.8	21.1 V	691	1997 EE ₉	1997 03 02.34280	12 31 03.28	-01 27 11.0	20.3 V	691
1997 EV ₈	1997 03 02.25832	08 33 28.26	+15 21 06.5	21.2 V	691	1997 EE ₉	1997 03 02.36395	12 31 02.33	-01 27 09.4	20.3 V	691
1997 EV ₈	1997 03 09.13619	08 29 56.76	+15 36 49.1	21.4 V	691	1997 EE ₉	1997 03 07.42410	12 27 07.12	-01 19 31.7	20.8 V	691
1997 EV ₈	1997 03 09.15777	08 29 56.22	+15 36 51.4	21.2 V	691	1997 EE ₉	1997 03 07.45006	12 27 05.82	-01 19 29.0	20.7 V	691
1997 EV ₈	1997 03 09.19294	08 29 55.28	+15 36 55.3	20.8 V	691	1997 EE ₉	1997 03 07.47115	12 27 04.77	-01 19 26.7	20.6 V	691
1997 EW ₈	* 1997 03 02.21419	08 33 54.52	+15 22 48.2	19.7 V	691	1997 EE ₉	1997 03 09.37586	12 25 29.98	-01 16 06.7	20.2 V	691
1997 EW ₈	1997 03 02.23666	08 33 53.81	+15 22 53.1	19.6 V	691	1997 EE ₉	1997 03 09.39680	12 25 28.88	-01 16 04.4	20.1 V	691
1997 EW ₈	1997 03 02.25861	08 33 53.12	+15 22 58.1	19.6 V	691	1997 EE ₉	1997 03 09.41778	12 25 27.78	-01 16 02.0	20.0 V	691
1997 EW ₈	1997 03 09.13697	08 31 04.14	+15 46 59.3	19.8 V	691	1997 EF ₉	* 1997 03 02.37634	12 16 29.37	-01 39 02.6	20.9 V	691
1997 EW ₈	1997 03 09.15855	08 31 03.68	+15 47 03.2	19.8 V	691	1997 EF ₉	1997 03 02.39733	12 16 28.43	-01 39 00.3	20.9 V	691
1997 EW ₈	1997 03 09.19372	08 31 02.95	+15 47 09.9	19.6 V	691	1997 EF ₉	1997 03 02.41932	12 16 27.46	-01 38 58.0	21.1 V	691
1997 EX ₈	* 1997 03 02.21772	08 39 00.50	+15 16 42.4	19.8 V	691	1997 EF ₉	1997 03 09.36596	12 11 12.87	-01 25 02.8	20.8 V	691
1997 EX ₈	1997 03 02.24020	08 38 59.79	+15 16 48.5	19.6 V	691	1997 EF ₉	1997 03 09.38691	12 11 11.85	-01 24 59.4	20.9 V	691
1997 EX ₈	1997 03 02.26214	08 38 59.08	+15 16 55.0	19.8 V	691	1997 EF ₉	1997 03 09.40789	12 11 10.83	-01 24 56.8	20.5 V	691
1997 EX ₈	1997 03 09.14057	08 36 15.78	+15 46 00.1	19.7 V	691	1997 EG ₉	* 1997 03 02.37648	12 16 41.98	-01 53 23.3	21.1 V	691
1997 EX ₈	1997 03 09.16215	08 36 15.34	+15 46 05.2	19.7 V	691	1997 EG ₉	1997 03 02.39748	12 16 41.15	-01 53 16.6	21.4 V	691
1997 EX ₈	1997 03 09.19732	08 36 14.67	+15 46 13.2	19.6 V	691	1997 EG ₉	1997 03 02.41947	12 16 40.26	-01 53 09.6	21.3 V	691
1997 EY ₈	* 1997 03 02.21936	08 41 22.76	+15 28 29.1	20.6 V	691	1997 EG ₉	1997 03 09.36641	12 11 51.27	-01 13 17.3	21.3 V	691
1997 EY ₈	1997 03 02.24184	08 41 22.02	+15 28 32.6	20.4 V	691	1997 EG ₉	1997 03 09.38735	12 11 50.34	-01 13 09.6	21.4 V	691
1997 EY ₈	1997 03 02.26378	08 41 21.31	+15 28 36.0	20.1 V	691	1997 EG ₉	1997 03 09.40833	12 11 49.37	-01 13 01.9	21.0 V	691
1997 EY ₈	1997 03 09.14211	08 38 29.09	+15 44 11.9	20.2 V	691	1997 EH ₉	* 1997 03 02.38324	12 26 28.03	-01 54 36.5	20.0 V	691
1997 EY ₈	1997 03 09.16369	08 38 28.61	+15 44 13.8	20.7 V	691	1997 EH ₉	1997 03 02.40424	12 26 27.25	-01 54 31.2	20.2 V	691
1997 EZ ₈	* 1997 03 02.21949	08 41 33.65	+15 31 02.6	20.5 V	691	1997 EH ₉	1997 03 02.42623	12 26 26.46	-01 54 26.2	19.8 V	691
1997 EZ ₈	1997 03 02.24196	08 41 32.69	+15 31 04.2	20.5 V	691	1997 EH ₉	1997 03 09.37342	12 21 59.19	-01 24 04.2	20.0 V	691
1997 EZ ₈	1997 03 02.26390	08 41 31.73	+15 31 06.3	20.5 V	691	1997 EH ₉	1997 03 09.39437	12 21 58.27	-01 23 58.0	20.0 V	691
1997 EZ ₈	1997 03 09.14142	08 37 29.79	+15 38 29.3	20.4 V	691	1997 EH ₉	1997 03 09.41535	12 21 57.38	-01 23 52.4	19.8 V	691
1997 EZ ₈	1997 03 09.16300	08 37 29.12	+15 38 30.4	20.4 V	691	1997 EH ₉	1997 03 14.36669	12 18 24.40	-00 59 58.6	19.9 V	691
1997 EZ ₈	1997 03 09.19817	08 37 28.02	+15 38 32.0	20.3 V	691	1997 EH ₉	1997 03 14.39848	12 18 22.94	-00 59 49.2	19.7 V	691
1997 EA ₉	* 1997 03 02.21970	08 41 51.71	+15 13 24.6	19.7 V	691	1997 EH ₉	1997 03 14.42744	12 18 21.60	-00 59 40.8	19.8 V	691
1997 EA ₉	1997 03 02.24217	08 41 51.06	+15 13 31.8	19.7 V	691	1997 EJ ₉	* 1997 03 02.38344	12 26 45.23	-01 36 50.6	21.5 V	691
1997 EA ₉	1997 03 02.26412	08 41 50.42	+15 13 39.0	19.6 V	691	1997 EJ ₉	1997 03 02.40444	12 26 44.41	-01 36 45.0	21.2 V	691

1997 EJ ₉	1997 03 02.42643	12 26 43.52	-01 36 40.5	21.5 V	691	1997 ES ₉	1997 03 03.25962	10 04 19.15	+01 33 13.2	17.8 V	691
1997 EJ ₉	1997 03 09.37343	12 21 59.48	-01 08 34.8	19.8 V	691	1997 ES ₉	1997 03 03.28567	10 04 17.68	+01 33 20.0	18.0 V	691
1997 EJ ₉	1997 03 09.39437	12 21 58.41	-01 08 28.7	21.4 V	691	1997 ES ₉	1997 03 09.23317	09 59 04.82	+02 00 01.9	17.8 V	691
1997 EJ ₉	1997 03 09.41535	12 21 57.46	-01 08 23.5	21.1 V	691	1997 ES ₉	1997 03 09.25417	09 59 03.75	+02 00 08.1	17.7 V	691
1997 EK ₉	* 1997 03 02.38364	12 27 02.25	-01 43 04.8	21.4 V	691	1997 ES ₉	1997 03 09.27506	09 59 02.61	+02 00 14.0	17.7 V	691
1997 EK ₉	1997 03 02.40464	12 27 01.51	-01 42 58.9	21.2 V	691	1997 ET ₉	* 1997 03 03.24681	10 16 53.58	+01 40 08.1	20.9 V	691
1997 EK ₉	1997 03 02.42663	12 27 00.79	-01 42 52.9	21.1 V	691	1997 ET ₉	1997 03 03.26832	10 16 52.52	+01 40 11.0	21.0 V	691
1997 EK ₉	1997 03 09.37402	12 22 51.13	-01 09 32.2	21.0 V	691	1997 ET ₉	1997 03 03.29437	10 16 51.19	+01 40 14.4	20.9 V	691
1997 EK ₉	1997 03 09.39497	12 22 50.27	-01 09 26.1	21.4 V	691	1997 ET ₉	1997 03 09.24183	10 12 04.48	+01 54 01.5	20.9 V	691
1997 EK ₉	1997 03 09.41595	12 22 49.44	-01 09 19.7	20.9 V	691	1997 ET ₉	1997 03 09.26282	10 12 03.49	+01 54 04.4	20.9 V	691
1997 EL ₉	* 1997 03 02.38428	12 27 57.48	-01 42 11.6	21.0 V	691	1997 ET ₉	1997 03 09.28371	10 12 02.49	+01 54 07.7	20.8 V	691
1997 EL ₉	1997 03 02.40528	12 27 56.70	-01 42 05.8	21.4 V	691	1997 EU ₉	* 1997 03 03.24686	10 16 57.89	+01 41 28.4	20.0 V	691
1997 EL ₉	1997 03 02.42726	12 27 55.91	-01 41 59.0	20.9 V	691	1997 EU ₉	1997 03 03.26837	10 16 56.57	+01 41 32.0	20.0 V	691
1997 EL ₉	1997 03 09.37442	12 23 25.64	-01 06 31.0	21.2 V	691	1997 EU ₉	1997 03 03.29441	10 16 54.96	+01 41 35.7	20.1 V	691
1997 EL ₉	1997 03 09.39537	12 23 24.72	-01 06 24.2	21.5 V	691	1997 EU ₉	1997 03 09.24127	10 11 16.15	+01 57 07.7	19.5 V	691
1997 EL ₉	1997 03 09.41635	12 23 23.82	-01 06 17.5	21.3 V	691	1997 EU ₉	1997 03 09.26226	10 11 15.00	+01 57 10.7	19.9 V	691
1997 EM ₉	* 1997 03 02.38641	12 31 02.50	-01 35 19.0	21.1 V	691	1997 EU ₉	1997 03 09.28315	10 11 13.79	+01 57 14.0	19.9 V	691
1997 EM ₉	1997 03 02.40741	12 31 01.57	-01 35 13.2	21.1 V	691	1997 EV ₉	* 1997 03 03.24752	10 17 55.49	+01 52 34.8	20.9 V	691
1997 EM ₉	1997 03 02.42940	12 31 00.53	-01 35 06.4	21.4 V	691	1997 EV ₉	1997 03 03.26903	10 17 54.16	+01 52 35.6	21.1 V	691
1997 EM ₉	1997 03 09.37585	12 25 29.23	-00 58 53.6	21.0 V	691	1997 EV ₉	1997 03 03.29508	10 17 52.55	+01 52 36.4	20.7 V	691
1997 EM ₉	1997 03 09.39679	12 25 28.16	-00 58 46.9	21.5 V	691	1997 EV ₉	1997 03 09.24193	10 12 13.15	+01 56 32.2	20.5 V	691
1997 EM ₉	1997 03 09.41777	12 25 27.06	-00 58 39.8	21.2 V	691	1997 EV ₉	1997 03 09.26292	10 12 12.00	+01 56 32.4	21.2 V	691
1997 EN ₉	* 1997 03 02.38674	12 31 31.33	-01 30 27.1	20.9 V	691	1997 EW ₉	* 1997 03 03.24939	10 20 37.23	+01 33 46.5	20.9 V	691
1997 EN ₉	1997 03 02.40774	12 31 30.56	-01 30 22.8	20.9 V	691	1997 EW ₉	1997 03 03.27090	10 20 36.07	+01 33 50.4	20.0 V	691
1997 EN ₉	1997 03 02.42973	12 31 29.77	-01 30 17.8	21.2 V	691	1997 EW ₉	1997 03 03.29695	10 20 34.73	+01 33 53.5	21.1 V	691
1997 EN ₉	1997 03 09.37692	12 27 01.85	-01 02 40.7	20.7 V	691	1997 EW ₉	1997 03 09.26532	10 15 40.27	+01 48 45.3	20.8 V	691
1997 EN ₉	1997 03 09.39786	12 27 00.91	-01 02 35.4	20.8 V	691	1997 EW ₉	1997 03 09.28621	10 15 39.24	+01 48 48.8	21.0 V	691
1997 EN ₉	1997 03 09.41885	12 27 00.02	-01 02 30.0	20.9 V	691	1997 EX ₉	* 1997 03 03.31279	10 18 06.12	+07 15 23.4	20.6 V	691
1997 EO ₉	* 1997 03 03.17395	10 08 53.35	+01 20 56.3	21.1 V	691	1997 EX ₉	1997 03 03.33466	10 18 04.94	+07 15 24.4	20.9 V	691
1997 EO ₉	1997 03 03.19522	10 08 52.53	+01 21 01.3	21.1 V	691	1997 EX ₉	1997 03 03.35604	10 18 03.78	+07 15 25.8	20.7 V	691
1997 EO ₉	1997 03 03.21835	10 08 51.61	+01 21 06.5	20.7 V	691	1997 EX ₉	1997 03 09.29784	10 12 59.65	+07 20 42.1	20.9 V	691
1997 EO ₉	1997 03 09.23700	10 05 05.86	+01 44 49.5	20.7 V	691	1997 EX ₉	1997 03 09.31901	10 12 58.56	+07 20 42.6	20.9 V	691
1997 EO ₉	1997 03 09.25799	10 05 05.12	+01 44 54.9	20.6 V	691	1997 EX ₉	1997 03 09.34000	10 12 57.50	+07 20 43.4	20.9 V	691
1997 EO ₉	1997 03 09.27888	10 05 04.30	+01 45 00.0	20.6 V	691	1997 EY ₉	* 1997 03 03.31365	10 19 20.77	+07 11 51.8	20.0 V	691
1997 EP ₉	* 1997 03 03.17501	10 10 25.56	+01 22 49.4	20.9 V	691	1997 EY ₉	1997 03 03.33552	10 19 19.53	+07 11 54.6	20.1 V	691
1997 EP ₉	1997 03 03.19628	10 10 24.36	+01 22 51.9	21.6 V	691	1997 EY ₉	1997 03 03.35690	10 19 18.33	+07 11 57.9	20.4 V	691
1997 EP ₉	1997 03 03.21941	10 10 22.99	+01 22 56.6	21.3 V	691	1997 EY ₉	1997 03 09.29857	10 14 02.86	+07 26 14.6	19.9 V	691
1997 EP ₉	1997 03 09.23696	10 05 02.67	+01 40 50.8	21.7 V	691	1997 EY ₉	1997 03 09.31974	10 14 01.74	+07 26 17.4	20.2 V	691
1997 EP ₉	1997 03 09.25795	10 05 01.62	+01 40 54.0	20.9 V	691	1997 EY ₉	1997 03 09.34073	10 14 00.62	+07 26 20.5	20.1 V	691
1997 EP ₉	1997 03 09.27884	10 05 00.53	+01 40 57.8	21.3 V	691	1997 EZ ₉	* 1997 03 03.31476	10 20 57.25	+07 07 19.8	20.0 V	691
1997 EQ ₉	* 1997 03 03.17543	10 11 01.62	+01 07 22.3	19.9 V	691	1997 EZ ₉	1997 03 03.33663	10 20 56.07	+07 07 23.2	19.7 V	691
1997 EQ ₉	1997 03 03.19670	10 11 00.38	+01 07 30.6	20.0 V	691	1997 EZ ₉	1997 03 03.35801	10 20 54.80	+07 07 25.4	19.8 V	691
1997 EQ ₉	1997 03 03.21983	10 10 59.00	+01 07 39.9	19.8 V	691	1997 EZ ₉	1997 03 09.29951	10 15 24.20	+07 17 56.8	19.5 V	691
1997 EQ ₉	1997 03 09.23725	10 05 27.84	+01 48 43.8	19.8 V	691	1997 EZ ₉	1997 03 09.32067	10 15 22.98	+07 17 58.8	19.8 V	691
1997 EQ ₉	1997 03 09.25824	10 05 26.69	+01 48 52.5	19.9 V	691	1997 EZ ₉	1997 03 09.34167	10 15 21.80	+07 18 00.9	20.1 V	691
1997 ER ₉	* 1997 03 03.18046	10 18 17.81	+01 28 14.0	19.3 V	691	1997 EA ₁₀	* 1997 03 03.31805	10 25 41.87	+07 17 31.8	19.5 V	691
1997 ER ₉	1997 03 03.20173	10 18 16.41	+01 28 18.2	19.5 V	691	1997 EA ₁₀	1997 03 03.33991	10 25 40.40	+07 17 31.3	19.5 V	691
1997 ER ₉	1997 03 03.22486	10 18 14.87	+01 28 22.5	19.3 V	691	1997 EA ₁₀	1997 03 03.36129	10 25 38.92	+07 17 30.2	19.3 V	691
1997 ER ₉	1997 03 09.24184	10 12 05.26	+01 48 09.6	19.4 V	691	1997 EA ₁₀	1997 03 09.30229	10 19 25.38	+07 14 47.7	19.6 V	691
1997 ER ₉	1997 03 09.26283	10 12 04.01	+01 48 13.5	19.5 V	691	1997 EA ₁₀	1997 03 09.32346	10 19 24.07	+07 14 47.1	19.6 V	691
1997 ER ₉	1997 03 09.28372	10 12 02.75	+01 48 17.6	19.4 V	691	1997 EA ₁₀	1997 03 09.34445	10 19 22.76	+07 14 46.7	19.7 V	691
1997 ES ₉	* 1997 03 03.23811	10 04 20.37	+01 33 07.5	17.8 V	691	1997 EB ₁₀	* 1997 03 03.32032	10 28 59.09	+07 01 55.3	20.3 V	691

1997 EB ₁₀	1997 03 03.34219	10 28 57.79	+07 02 01.7	20.2 V	691	1997 EK ₁₀	* 1997 03 07.35102	12 14 57.26	-01 33 26.3	18.7 V	691
1997 EB ₁₀	1997 03 03.36357	10 28 56.44	+07 02 07.6	20.1 V	691	1997 EK ₁₀	1997 03 07.37190	12 14 56.49	-01 33 15.2	18.7 V	691
1997 EB ₁₀	1997 03 09.30492	10 23 12.52	+07 29 11.9	20.3 V	691	1997 EK ₁₀	1997 03 07.39289	12 14 55.67	-01 33 04.5	18.7 V	691
1997 EB ₁₀	1997 03 09.32608	10 23 11.30	+07 29 17.4	20.2 V	691	1997 EK ₁₀	1997 03 09.36770	12 13 43.85	-01 15 36.3	18.7 V	691
1997 EB ₁₀	1997 03 09.34707	10 23 10.09	+07 29 22.7	20.6 V	691	1997 EK ₁₀	1997 03 09.38865	12 13 43.03	-01 15 24.8	18.6 V	691
1997 EB ₁₀	1997 03 10.26772	10 22 19.48	+07 33 24.6	20.4 V	691	1997 EK ₁₀	1997 03 09.40964	12 13 42.20	-01 15 13.5	18.5 V	691
1997 EB ₁₀	1997 03 10.30092	10 22 17.58	+07 33 33.5	20.4 V	691	1997 EL ₁₀	* 1997 03 07.35197	12 16 19.59	-01 38 28.9	21.4 V	691
1997 EB ₁₀	1997 03 10.32951	10 22 15.97	+07 33 40.8	20.6 V	691	1997 EL ₁₀	1997 03 07.37284	12 16 18.67	-01 38 21.8	21.2 V	691
1997 EC ₁₀	* 1997 03 03.32238	10 31 56.93	+06 58 33.8	19.3 V	691	1997 EL ₁₀	1997 03 07.39384	12 16 17.73	-01 38 15.0	21.0 V	691
1997 EC ₁₀	1997 03 03.34425	10 31 55.55	+06 58 40.0	19.5 V	691	1997 EL ₁₀	1997 03 09.36852	12 14 54.70	-01 27 51.1	21.1 V	691
1997 EC ₁₀	1997 03 03.36562	10 31 54.22	+06 58 46.6	19.3 V	691	1997 EL ₁₀	1997 03 09.38947	12 14 53.78	-01 27 44.2	21.2 V	691
1997 EC ₁₀	1997 03 09.30690	10 26 04.74	+07 27 31.2	19.4 V	691	1997 EL ₁₀	1997 03 09.41045	12 14 52.87	-01 27 37.6	20.9 V	691
1997 EC ₁₀	1997 03 09.32807	10 26 03.48	+07 27 37.4	19.4 V	691	1997 EL ₁₀	1997 03 14.36172	12 11 13.79	-01 00 17.8	21.1 V	691
1997 EC ₁₀	1997 03 09.34906	10 26 02.22	+07 27 43.3	19.6 V	691	1997 EL ₁₀	1997 03 14.39351	12 11 12.31	-01 00 07.3	21.5 V	691
1997 EC ₁₀	1997 03 10.26969	10 25 10.29	+07 32 02.3	19.5 V	691	1997 EL ₁₀	1997 03 14.42247	12 11 10.93	-00 59 58.0	20.6 V	691
1997 EC ₁₀	1997 03 10.30289	10 25 08.32	+07 32 11.8	19.5 V	691	1997 EM ₁₀	* 1997 03 07.35243	12 16 59.57	-01 31 19.6	19.9 V	691
1997 EC ₁₀	1997 03 10.33148	10 25 06.66	+07 32 19.8	19.5 V	691	1997 EM ₁₀	1997 03 07.37330	12 16 58.52	-01 31 14.9	20.1 V	691
1997 ED ₁₀	* 1997 03 03.32620	10 37 27.90	+07 21 25.1	21.6 V	691	1997 EM ₁₀	1997 03 07.39430	12 16 57.45	-01 31 10.8	20.0 V	691
1997 ED ₁₀	1997 03 03.34806	10 37 26.35	+07 21 24.5	21.3 V	691	1997 EM ₁₀	1997 03 09.36882	12 15 20.06	-01 23 55.3	19.8 V	691
1997 ED ₁₀	1997 03 03.36944	10 37 24.83	+07 21 23.3	21.2 V	691	1997 EM ₁₀	1997 03 09.38976	12 15 18.98	-01 23 50.2	19.9 V	691
1997 ED ₁₀	1997 03 09.31013	10 30 44.45	+07 16 31.8	21.1 V	691	1997 EM ₁₀	1997 03 09.41074	12 15 17.88	-01 23 45.5	19.5 V	691
1997 ED ₁₀	1997 03 09.35229	10 30 41.62	+07 16 29.2	21.2 V	691	1997 EN ₁₀	* 1997 03 07.35486	12 20 29.70	-01 30 26.3	18.4 V	691
1997 EE ₁₀	* 1997 03 03.39493	10 27 21.95	+07 44 27.0	20.6 V	691	1997 EN ₁₀	1997 03 07.37573	12 20 28.91	-01 30 18.4	18.7 V	691
1997 EE ₁₀	1997 03 03.41641	10 27 19.87	+07 44 19.4	20.5 V	691	1997 EN ₁₀	1997 03 07.39673	12 20 28.16	-01 30 11.1	18.5 V	691
1997 EE ₁₀	1997 03 03.43756	10 27 17.82	+07 44 12.1	20.4 V	691	1997 EN ₁₀	1997 03 09.37154	12 19 15.89	-01 17 37.1	18.7 V	691
1997 EE ₁₀	1997 03 09.30159	10 18 24.83	+07 09 55.6	20.8 V	691	1997 EN ₁₀	1997 03 09.39249	12 19 15.08	-01 17 29.0	18.6 V	691
1997 EE ₁₀	1997 03 09.32275	10 18 22.96	+07 09 48.4	20.5 V	691	1997 EN ₁₀	1997 03 09.41347	12 19 14.25	-01 17 21.0	18.1 V	691
1997 EE ₁₀	1997 03 09.34374	10 18 21.09	+07 09 40.8	20.8 V	691	1997 EO ₁₀	* 1997 03 07.35520	12 20 59.39	-01 35 21.7	20.1 V	691
1997 EF ₁₀	* 1997 03 04.19776	10 04 44.16	+02 07 07.0	20.9 V	691	1997 EO ₁₀	1997 03 07.37607	12 20 58.39	-01 35 14.8	19.8 V	691
1997 EF ₁₀	1997 03 04.21994	10 04 43.06	+02 07 00.9	20.9 V	691	1997 EO ₁₀	1997 03 07.39707	12 20 57.40	-01 35 08.2	19.9 V	691
1997 EF ₁₀	1997 03 04.24183	10 04 41.92	+02 06 53.3	21.1 V	691	1997 EO ₁₀	1997 03 09.37166	12 19 26.63	-01 24 00.9	19.8 V	691
1997 EF ₁₀	1997 03 09.23427	10 01 09.54	+01 43 03.4	20.7 V	691	1997 EO ₁₀	1997 03 09.39261	12 19 25.61	-01 23 53.7	19.8 V	691
1997 EF ₁₀	1997 03 09.25526	10 01 08.66	+01 42 58.6	20.6 V	691	1997 EO ₁₀	1997 03 09.41359	12 19 24.56	-01 23 46.5	19.5 V	691
1997 EF ₁₀	1997 03 09.27615	10 01 07.75	+01 42 52.3	20.6 V	691	1997 EP ₁₀	* 1997 03 07.35611	12 22 18.35	-01 32 27.5	20.4 V	691
1997 EG ₁₀	* 1997 03 07.34931	12 12 28.90	-01 31 38.0	20.0 V	691	1997 EP ₁₀	1997 03 07.37699	12 22 17.45	-01 32 19.7	20.2 V	691
1997 EG ₁₀	1997 03 07.37018	12 12 28.01	-01 31 30.0	20.1 V	691	1997 EP ₁₀	1997 03 07.39798	12 22 16.63	-01 32 11.7	20.6 V	691
1997 EG ₁₀	1997 03 07.39118	12 12 27.06	-01 31 23.0	20.4 V	691	1997 EP ₁₀	1997 03 09.37271	12 20 57.21	-01 19 39.7	20.4 V	691
1997 EG ₁₀	1997 03 09.36583	12 11 01.06	-01 19 46.2	20.1 V	691	1997 EP ₁₀	1997 03 09.39365	12 20 56.32	-01 19 31.4	20.5 V	691
1997 EG ₁₀	1997 03 09.38677	12 11 00.10	-01 19 38.5	20.1 V	691	1997 EP ₁₀	1997 03 09.41464	12 20 55.43	-01 19 23.6	20.3 V	691
1997 EG ₁₀	1997 03 09.40775	12 10 59.15	-01 19 31.3	20.0 V	691	1997 EQ ₁₀	* 1997 03 07.35752	12 24 20.25	-01 37 18.1	19.4 V	691
1997 EH ₁₀	* 1997 03 07.34975	12 13 07.14	-01 40 13.7	19.3 V	691	1997 EQ ₁₀	1997 03 07.37839	12 24 19.37	-01 37 10.9	18.7 V	691
1997 EH ₁₀	1997 03 07.37062	12 13 06.25	-01 40 05.7	19.5 V	691	1997 EQ ₁₀	1997 03 07.39939	12 24 18.67	-01 37 05.7	19.3 V	691
1997 EH ₁₀	1997 03 07.39162	12 13 05.30	-01 39 58.1	18.9 V	691	1997 EQ ₁₀	1997 03 09.37418	12 23 05.07	-01 26 51.1	19.4 V	691
1997 EH ₁₀	1997 03 09.36629	12 11 41.11	-01 27 28.9	18.9 V	691	1997 EQ ₁₀	1997 03 09.39513	12 23 04.23	-01 26 44.4	19.4 V	691
1997 EH ₁₀	1997 03 09.38723	12 11 40.16	-01 27 20.5	19.5 V	691	1997 EQ ₁₀	1997 03 09.41611	12 23 03.43	-01 26 37.7	19.2 V	691
1997 EH ₁₀	1997 03 09.40822	12 11 39.22	-01 27 12.5	19.1 V	691	1997 EQ ₁₀	1997 03 14.36767	12 19 48.86	-00 59 52.3	19.0 V	691
1997 EJ ₁₀	* 1997 03 07.35031	12 13 55.89	-01 28 40.8	21.0 V	691	1997 EQ ₁₀	1997 03 14.39945	12 19 47.55	-00 59 41.6	18.9 V	691
1997 EJ ₁₀	1997 03 07.37119	12 13 55.10	-01 28 33.4	21.0 V	691	1997 EQ ₁₀	1997 03 14.42842	12 19 46.33	-00 59 32.3	18.8 V	691
1997 EJ ₁₀	1997 03 07.39218	12 13 54.30	-01 28 26.4	21.4 V	691	1997 ER ₁₀	* 1997 03 07.41668	12 16 24.61	-01 12 58.0	20.8 V	691
1997 EJ ₁₀	1997 03 09.36698	12 12 41.22	-01 16 49.6	21.1 V	691	1997 ER ₁₀	1997 03 07.44265	12 16 23.32	-01 12 56.4	21.0 V	691
1997 EJ ₁₀	1997 03 09.38793	12 12 40.40	-01 16 42.0	21.4 V	691	1997 ER ₁₀	1997 03 07.46374	12 16 22.31	-01 12 55.4	20.8 V	691
1997 EJ ₁₀	1997 03 09.40891	12 12 39.60	-01 16 34.1	20.8 V	691	1997 ER ₁₀	1997 03 09.36847	12 14 50.55	-01 10 48.7	20.2 V	691

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1997 ER ₁₀	1997 03 09.38942	12 14 49.50	-01 10 46.9	20.4 V	691	1997 EZ ₁₀	1997 03 09.28225	10 09 56.23	+01 30 54.4	19.6 V	691
1997 ER ₁₀	1997 03 09.41040	12 14 48.45	-01 10 45.7	20.0 V	691	1997 EA ₁₁	* 1997 03 08.25672	10 11 46.07	+01 27 38.1	20.7 V	691
1997 ER ₁₀	1997 03 14.36133	12 10 39.62	-01 04 30.0	20.0 V	691	1997 EA ₁₁	1997 03 08.27764	10 11 44.87	+01 27 45.5	20.2 V	691
1997 ER ₁₀	1997 03 14.39311	12 10 37.96	-01 04 27.7	20.0 V	691	1997 EA ₁₁	1997 03 08.29861	10 11 43.69	+01 27 52.3	21.0 V	691
1997 ER ₁₀	1997 03 14.42207	12 10 36.42	-01 04 25.3	19.8 V	691	1997 EA ₁₁	1997 03 09.24100	10 10 52.54	+01 33 07.4	20.4 V	691
1997 ES ₁₀	* 1997 03 07.42178	12 23 46.03	-01 26 10.1	19.6 V	691	1997 EA ₁₁	1997 03 09.26199	10 10 51.39	+01 33 14.6	20.3 V	691
1997 ES ₁₀	1997 03 07.44775	12 23 44.90	-01 25 59.0	19.4 V	691	1997 EA ₁₁	1997 03 09.28288	10 10 50.24	+01 33 21.6	20.1 V	691
1997 ES ₁₀	1997 03 07.46884	12 23 43.98	-01 25 49.6	19.7 V	691	1997 EB ₁₁	* 1997 03 08.25988	10 16 20.10	+01 22 42.5	20.3 V	691
1997 ES ₁₀	1997 03 09.37371	12 22 24.20	-01 11 41.8	19.0 V	691	1997 EB ₁₁	1997 03 08.28081	10 16 18.99	+01 22 51.6	19.5 V	691
1997 ES ₁₀	1997 03 09.39466	12 22 23.25	-01 11 32.3	18.9 V	691	1997 EB ₁₁	1997 03 08.30178	10 16 17.91	+01 23 00.2	19.4 V	691
1997 ES ₁₀	1997 03 09.41564	12 22 22.29	-01 11 22.7	18.8 V	691	1997 EB ₁₁	1997 03 09.24423	10 15 32.79	+01 29 32.3	19.3 V	691
1997 ET ₁₀	* 1997 03 07.42387	12 26 47.65	-01 06 30.7	21.3 V	691	1997 EB ₁₁	1997 03 09.26523	10 15 31.71	+01 29 41.1	19.1 V	691
1997 ET ₁₀	1997 03 07.44984	12 26 46.48	-01 06 26.1	20.8 V	691	1997 EB ₁₁	1997 03 09.28612	10 15 30.64	+01 29 49.8	19.2 V	691
1997 ET ₁₀	1997 03 07.47093	12 26 45.55	-01 06 23.0	21.0 V	691	1997 EC ₁₁	* 1997 03 08.31402	10 03 15.16	+01 34 09.7	21.2 V	691
1997 ET ₁₀	1997 03 09.37577	12 25 22.62	-01 01 41.4	20.4 V	691	1997 EC ₁₁	1997 03 08.33491	10 03 14.29	+01 34 21.3	21.4 V	691
1997 ET ₁₀	1997 03 09.39672	12 25 21.68	-01 01 38.7	20.3 V	691	1997 EC ₁₁	1997 03 08.35590	10 03 13.44	+01 34 32.7	21.3 V	691
1997 ET ₁₀	1997 03 09.41770	12 25 20.72	-01 01 35.2	20.5 V	691	1997 EC ₁₁	1997 03 09.23532	10 02 40.95	+01 42 27.7	20.9 V	691
1997 EU ₁₀	* 1997 03 07.42429	12 27 23.62	-01 10 25.7	20.6 V	691	1997 EC ₁₁	1997 03 09.25632	10 02 40.13	+01 42 39.3	21.3 V	691
1997 EU ₁₀	1997 03 07.45026	12 27 22.39	-01 10 18.5	20.1 V	691	1997 EC ₁₁	1997 03 09.27721	10 02 39.24	+01 42 50.5	20.9 V	691
1997 EU ₁₀	1997 03 07.47135	12 27 21.43	-01 10 14.1	20.7 V	691	1997 ED ₁₁	* 1997 03 08.31840	10 09 34.23	+01 40 07.0	21.3 V	691
1997 EU ₁₀	1997 03 09.37613	12 25 54.11	-01 02 41.0	19.6 V	691	1997 ED ₁₁	1997 03 08.33928	10 09 33.35	+01 40 16.5	21.0 V	691
1997 EU ₁₀	1997 03 09.39708	12 25 53.08	-01 02 36.0	19.5 V	691	1997 ED ₁₁	1997 03 08.36028	10 09 32.47	+01 40 26.5	21.0 V	691
1997 EU ₁₀	1997 03 09.41806	12 25 52.07	-01 02 30.9	19.3 V	691	1997 ED ₁₁	1997 03 09.23967	10 08 57.65	+01 47 06.5	20.6 V	691
1997 EV ₁₀	* 1997 03 07.42508	12 28 32.59	-01 23 10.0	21.1 V	691	1997 ED ₁₁	1997 03 09.26067	10 08 56.79	+01 47 15.9	20.6 V	691
1997 EV ₁₀	1997 03 07.45105	12 28 31.38	-01 23 04.5	20.6 V	691	1997 ED ₁₁	1997 03 09.28156	10 08 55.92	+01 47 25.3	20.5 V	691
1997 EV ₁₀	1997 03 07.47214	12 28 30.37	-01 23 00.2	21.5 V	691	1997 EE ₁₁	* 1997 03 08.31853	10 09 45.79	+01 53 41.1	20.5 V	691
1997 EV ₁₀	1997 03 09.37692	12 27 02.52	-01 16 18.4	20.7 V	691	1997 EE ₁₁	1997 03 08.33942	10 09 44.89	+01 53 48.2	20.5 V	691
1997 EV ₁₀	1997 03 09.39787	12 27 01.49	-01 16 13.8	20.7 V	691	1997 EE ₁₁	1997 03 08.36041	10 09 43.99	+01 53 55.2	20.5 V	691
1997 EV ₁₀	1997 03 09.41885	12 27 00.46	-01 16 08.8	20.8 V	691	1997 EE ₁₁	1997 03 09.23979	10 09 07.62	+01 58 45.7	20.1 V	691
1997 EW ₁₀	* 1997 03 07.42559	12 29 16.61	-01 14 52.0	20.9 V	691	1997 EE ₁₁	1997 03 09.26078	10 09 06.74	+01 58 52.6	20.1 V	691
1997 EW ₁₀	1997 03 07.45156	12 29 15.58	-01 14 43.9	20.4 V	691	1997 EE ₁₁	1997 03 09.28167	10 09 05.84	+01 58 59.7	20.1 V	691
1997 EW ₁₀	1997 03 07.47265	12 29 14.75	-01 14 37.6	21.2 V	691	1997 EF ₁₁	* 1997 03 08.31909	10 10 33.92	+01 30 36.0	21.1 V	691
1997 EW ₁₀	1997 03 09.37760	12 28 01.10	-01 05 01.6	20.5 V	691	1997 EF ₁₁	1997 03 08.33997	10 10 32.78	+01 30 45.6	21.0 V	691
1997 EW ₁₀	1997 03 09.39855	12 28 00.23	-01 04 55.3	20.7 V	691	1997 EF ₁₁	1997 03 08.36096	10 10 31.70	+01 30 55.1	21.0 V	691
1997 EW ₁₀	1997 03 09.41953	12 27 59.39	-01 04 48.9	20.5 V	691	1997 EF ₁₁	1997 03 09.24025	10 09 47.40	+01 37 33.2	20.9 V	691
1997 EX ₁₀	* 1997 03 07.42636	12 30 23.14	-01 19 22.5	19.9 V	691	1997 EF ₁₁	1997 03 09.26124	10 09 46.34	+01 37 43.1	20.5 V	691
1997 EX ₁₀	1997 03 08.22943	12 30 22.12	-01 19 17.1	19.4 V	691	1997 EF ₁₁	1997 03 09.28213	10 09 45.21	+01 37 52.3	20.6 V	691
1997 EX ₁₀	1997 03 07.47342	12 30 21.30	-01 19 12.8	20.1 V	691	1997 EG ₁₁	* 1997 03 08.31917	10 10 41.27	+01 36 05.1	21.0 V	691
1997 EX ₁₀	1997 03 09.37837	12 29 07.93	-01 12 57.8	19.2 V	691	1997 EG ₁₁	1997 03 08.34006	10 10 40.24	+01 36 10.5	20.9 V	691
1997 EX ₁₀	1997 03 09.39932	12 29 07.07	-01 12 54.0	19.2 V	691	1997 EG ₁₁	1997 03 08.36105	10 10 39.25	+01 36 15.6	20.9 V	691
1997 EX ₁₀	1997 03 09.42030	12 29 06.22	-01 12 49.8	19.2 V	691	1997 EG ₁₁	1997 03 09.24038	10 09 59.49	+01 40 03.7	20.6 V	691
1997 EY ₁₀	* 1997 03 08.22943	12 10 58.13	-01 23 45.2	21.7 V	691	1997 EG ₁₁	1997 03 09.26138	10 09 58.51	+01 40 09.3	20.3 V	691
1997 EY ₁₀	1997 03 08.23660	12 10 57.75	-01 23 43.8	21.2 V	691	1997 EG ₁₁	1997 03 09.28227	10 09 57.51	+01 40 14.6	20.5 V	691
1997 EY ₁₀	1997 03 08.24360	12 10 57.33	-01 23 42.6	21.1 V	691	1997 ET ₁₁	* 1997 03 02.14483	08 32 20.34	+15 41 00.4	20.8 V	691
1997 EY ₁₀	1997 03 09.36508	12 09 56.38	-01 21 30.6	21.3 V	691	1997 ET ₁₁	1997 03 02.16685	08 32 19.54	+15 40 58.0	21.0 V	691
1997 EY ₁₀	1997 03 09.38602	12 09 55.20	-01 21 28.4	21.4 V	691	1997 ET ₁₁	1997 03 02.19008	08 32 18.73	+15 40 55.5	20.9 V	691
1997 EY ₁₀	1997 03 09.40700	12 09 54.03	-01 21 24.0	20.5 V	691	1997 ET ₁₁	1997 03 10.11989	08 29 03.24	+15 24 43.1	21.8 V	691
1997 EZ ₁₀	* 1997 03 08.25593	10 10 37.16	+01 19 12.8	19.9 V	691	1997 ET ₁₁	1997 03 10.14191	08 29 02.85	+15 24 40.1	21.8 V	691
1997 EZ ₁₀	1997 03 08.27685	10 10 36.25	+01 19 27.4	19.8 V	691	1997 ET ₁₁	1997 03 10.16363	08 29 02.43	+15 24 37.5	21.2 V	691
1997 EZ ₁₀	1997 03 08.29782	10 10 35.38	+01 19 41.6	19.8 V	691	1997 EU ₁₁	* 1997 03 02.14824	08 37 15.46	+15 33 10.5	19.7 V	691
1997 EZ ₁₀	1997 03 09.24037	10 09 57.95	+01 30 25.8	19.3 V	691	1997 EU ₁₁	1997 03 02.17026	08 37 14.67	+15 33 09.5	19.6 V	691
1997 EZ ₁₀	1997 03 09.26136	10 09 57.10	+01 30 40.0	19.5 V	691	1997 EU ₁₁	1997 03 02.19349	08 37 13.84	+15 33 08.2	19.7 V	691

1997 EU ₁₁	1997 03 10.12334	08 34 02.16	+15 25 02.5	20.0 V	691	1997 ED ₁₂	1997 03 02.23669	08 33 55.80	+15 18 44.3	20.6 V	691
1997 EU ₁₁	1997 03 10.14536	08 34 01.76	+15 25 00.3	20.0 V	691	1997 ED ₁₂	1997 03 02.25863	08 33 54.91	+15 18 42.6	20.8 V	691
1997 EU ₁₁	1997 03 10.16708	08 34 01.40	+15 24 58.8	19.8 V	691	1997 ED ₁₂	1997 03 10.12027	08 29 36.28	+15 07 07.8	21.0 V	691
1997 EV ₁₁	* 1997 03 02.20337	08 18 16.96	+15 14 18.6	20.6 V	691	1997 ED ₁₂	1997 03 10.14229	08 29 35.66	+15 07 05.5	20.7 V	691
1997 EV ₁₁	1997 03 02.22584	08 18 16.28	+15 14 17.4	20.6 V	691	1997 ED ₁₂	1997 03 10.16401	08 29 35.05	+15 07 03.6	20.8 V	691
1997 EV ₁₁	1997 03 02.24779	08 18 15.59	+15 14 14.9	21.1 V	691	1997 EE ₁₂	* 1997 03 02.21812	08 39 34.79	+15 02 18.8	20.2 V	691
1997 EV ₁₁	1997 03 10.11024	08 15 07.28	+15 03 33.3	20.5 V	691	1997 EE ₁₂	1997 03 02.24059	08 39 34.12	+15 02 23.5	20.2 V	691
1997 EV ₁₁	1997 03 10.13226	08 15 06.79	+15 03 32.0	21.1 V	691	1997 EE ₁₂	1997 03 02.26254	08 39 33.48	+15 02 27.4	20.0 V	691
1997 EV ₁₁	1997 03 10.15398	08 15 06.39	+15 03 29.0	20.8 V	691	1997 EE ₁₂	1997 03 10.12519	08 36 42.35	+15 25 48.5	20.0 V	691
1997 EW ₁₁	* 1997 03 02.20361	08 18 38.43	+15 21 55.0	21.3 V	691	1997 EE ₁₂	1997 03 10.14721	08 36 41.92	+15 25 52.3	20.1 V	691
1997 EW ₁₁	1997 03 02.22609	08 18 37.72	+15 21 56.7	21.1 V	691	1997 EE ₁₂	1997 03 10.16893	08 36 41.56	+15 25 55.7	20.2 V	691
1997 EW ₁₁	1997 03 02.24803	08 18 37.06	+15 21 57.8	20.9 V	691	1997 EF ₁₂	* 1997 03 03.17182	10 05 49.05	+01 27 53.1	20.5 V	691
1997 EW ₁₁	1997 03 10.11074	08 15 50.51	+15 28 29.5	21.1 V	691	1997 EF ₁₂	1997 03 03.19309	10 05 47.89	+01 28 02.0	21.3 V	691
1997 EW ₁₁	1997 03 10.13276	08 15 50.16	+15 28 30.5	21.1 V	691	1997 EF ₁₂	1997 03 03.21622	10 05 46.60	+01 28 12.1	20.7 V	691
1997 EW ₁₁	1997 03 10.15448	08 15 49.85	+15 28 31.0	21.4 V	691	1997 EF ₁₂	1997 03 10.19061	09 59 49.93	+02 18 12.1	21.0 V	691
1997 EX ₁₁	* 1997 03 02.20422	08 19 31.12	+15 07 42.0	20.8 V	691	1997 EF ₁₂	1997 03 10.21218	09 59 48.83	+02 18 21.6	20.7 V	691
1997 EX ₁₁	1997 03 02.22670	08 19 30.40	+15 07 44.9	20.8 V	691	1997 EF ₁₂	1997 03 10.23310	09 59 47.82	+02 18 30.7	20.7 V	691
1997 EX ₁₁	1997 03 02.24864	08 19 29.68	+15 07 47.5	20.9 V	691	1997 EG ₁₂	* 1997 03 03.17244	10 06 42.52	+01 13 53.2	21.0 V	691
1997 EX ₁₁	1997 03 10.11101	08 16 14.11	+15 22 12.8	21.3 V	691	1997 EG ₁₂	1997 03 03.19371	10 06 41.51	+01 13 57.0	21.3 V	691
1997 EX ₁₁	1997 03 10.13303	08 16 13.65	+15 22 15.6	21.0 V	691	1997 EG ₁₂	1997 03 03.21684	10 06 40.36	+01 14 01.2	20.8 V	691
1997 EX ₁₁	1997 03 10.15475	08 16 13.22	+15 22 17.4	20.8 V	691	1997 EG ₁₂	1997 03 10.25635	10 01 21.74	+01 35 23.2	21.2 V	691
1997 EY ₁₁	* 1997 03 02.20430	08 19 38.26	+15 05 26.9	20.5 V	691	1997 EG ₁₂	1997 03 10.28957	10 01 20.26	+01 35 29.3	21.0 V	691
1997 EY ₁₁	1997 03 02.22678	08 19 37.65	+15 05 30.0	20.4 V	691	1997 EG ₁₂	1997 03 10.31737	10 01 19.07	+01 35 33.2	20.6 V	691
1997 EY ₁₁	1997 03 02.24873	08 19 37.06	+15 05 33.2	20.3 V	691	1997 EH ₁₂	* 1997 03 03.17425	10 09 19.58	+01 29 06.4	18.0 V	691
1997 EY ₁₁	1997 03 10.11152	08 16 58.89	+15 23 32.8	20.5 V	691	1997 EH ₁₂	1997 03 03.19552	10 09 18.40	+01 29 16.3	18.2 V	691
1997 EY ₁₁	1997 03 10.13355	08 16 58.54	+15 23 36.4	20.3 V	691	1997 EH ₁₂	1997 03 03.21865	10 09 17.11	+01 29 26.9	17.9 V	691
1997 EY ₁₁	1997 03 10.15527	08 16 58.16	+15 23 39.1	20.0 V	691	1997 EH ₁₂	1997 03 03.24152	10 09 15.80	+01 29 37.4	17.9 V	691
1997 EZ ₁₁	* 1997 03 02.20667	08 23 02.98	+15 10 26.8	20.6 V	691	1997 EH ₁₂	1997 03 03.26303	10 09 14.59	+01 29 47.6	18.0 V	691
1997 EZ ₁₁	1997 03 02.22914	08 23 02.26	+15 10 28.1	21.0 V	691	1997 EH ₁₂	1997 03 03.28908	10 09 13.12	+01 29 59.5	17.9 V	691
1997 EZ ₁₁	1997 03 02.25109	08 23 01.56	+15 10 29.6	20.9 V	691	1997 EH ₁₂	1997 03 10.19301	10 03 26.38	+02 24 32.5	18.0 V	691
1997 EZ ₁₁	1997 03 10.11343	08 19 43.86	+15 15 59.2	20.7 V	691	1997 EH ₁₂	1997 03 10.21457	10 03 25.33	+02 24 42.8	18.1 V	691
1997 EZ ₁₁	1997 03 10.13545	08 19 43.36	+15 15 59.5	20.9 V	691	1997 EH ₁₂	1997 03 10.23549	10 03 24.31	+02 24 52.9	18.0 V	691
1997 EZ ₁₁	1997 03 10.15717	08 19 42.91	+15 16 00.2	20.9 V	691	1997 EH ₁₂	1997 03 11.21259	10 02 39.58	+02 32 36.6	18.2 V	691
1997 EA ₁₂	* 1997 03 02.20804	08 25 02.08	+15 10 55.1	19.4 V	691	1997 EH ₁₂	1997 03 11.23421	10 02 38.55	+02 32 47.0	18.1 V	691
1997 EA ₁₂	1997 03 02.23052	08 25 01.34	+15 10 55.8	19.5 V	691	1997 EH ₁₂	1997 03 11.25686	10 02 37.47	+02 32 57.6	18.2 V	691
1997 EA ₁₂	1997 03 02.25246	08 25 00.64	+15 10 56.6	19.6 V	691	1997 EJ ₁₂	* 1997 03 03.24013	10 07 15.16	+01 42 00.7	21.5 V	691
1997 EA ₁₂	1997 03 10.11475	08 21 38.02	+15 13 42.3	19.7 V	691	1997 EJ ₁₂	1997 03 03.26164	10 07 14.21	+01 42 08.8	21.3 V	691
1997 EA ₁₂	1997 03 10.13677	08 21 37.53	+15 13 42.6	19.8 V	691	1997 EJ ₁₂	1997 03 03.28769	10 07 13.03	+01 42 18.1	21.6 V	691
1997 EA ₁₂	1997 03 10.15849	08 21 37.06	+15 13 42.8	19.6 V	691	1997 EJ ₁₂	1997 03 10.19234	10 02 27.95	+02 25 04.2	21.4 V	691
1997 EB ₁₂	* 1997 03 02.21029	08 28 16.74	+15 10 47.2	20.7 V	691	1997 EJ ₁₂	1997 03 10.21390	10 02 27.08	+02 25 12.3	21.6 V	691
1997 EB ₁₂	1997 03 02.23277	08 28 16.12	+15 10 49.4	21.1 V	691	1997 EJ ₁₂	1997 03 10.23482	10 02 26.26	+02 25 20.1	21.3 V	691
1997 EB ₁₂	1997 03 02.25471	08 28 15.47	+15 10 51.5	20.7 V	691	1997 EK ₁₂	* 1997 03 03.24165	10 09 27.03	+01 41 43.3	19.2 V	691
1997 EB ₁₂	1997 03 10.11743	08 25 30.25	+15 20 22.9	21.1 V	691	1997 EK ₁₂	1997 03 03.26316	10 09 25.80	+01 41 49.0	19.2 V	691
1997 EB ₁₂	1997 03 10.13945	08 25 29.90	+15 20 24.1	21.3 V	691	1997 EK ₁₂	1997 03 03.28921	10 09 24.32	+01 41 55.7	19.2 V	691
1997 EB ₁₂	1997 03 10.16117	08 25 29.55	+15 20 25.4	20.8 V	691	1997 EK ₁₂	1997 03 10.19291	10 03 17.73	+02 12 39.0	19.2 V	691
1997 EC ₁₂	* 1997 03 02.21315	08 32 24.16	+15 10 53.3	20.0 V	691	1997 EK ₁₂	1997 03 10.21447	10 03 16.64	+02 12 44.6	19.4 V	691
1997 EC ₁₂	1997 03 02.23562	08 32 23.44	+15 10 57.1	20.1 V	691	1997 EK ₁₂	1997 03 10.23539	10 03 15.55	+02 12 50.4	19.4 V	691
1997 EC ₁₂	1997 03 02.25757	08 32 22.73	+15 11 00.8	20.2 V	691	1997 EL ₁₂	* 1997 03 03.24213	10 10 08.68	+01 32 10.0	21.2 V	691
1997 EC ₁₂	1997 03 10.11995	08 29 08.44	+15 30 43.9	20.8 V	691	1997 EL ₁₂	1997 03 03.26364	10 10 07.46	+01 32 18.0	20.9 V	691
1997 EC ₁₂	1997 03 10.14197	08 29 07.98	+15 30 47.1	20.7 V	691	1997 EL ₁₂	1997 03 03.28969	10 10 05.94	+01 32 28.4	21.3 V	691
1997 EC ₁₂	1997 03 10.16369	08 29 07.55	+15 30 49.8	20.1 V	691	1997 EL ₁₂	1997 03 10.19349	10 04 07.81	+02 17 11.5	21.3 V	691
1997 ED ₁₂	* 1997 03 02.21421	08 33 56.67	+15 18 46.2	20.8 V	691	1997 EL ₁₂	1997 03 10.21505	10 04 06.71	+02 17 20.1	21.2 V	691

1997 EL ₁₂	1997 03 10.23597	10 04 05.67	+02 17 28.3	21.1 V	691	1997 EU ₁₂	1997 03 03.27301	10 23 38.52	+01 54 41.7	19.3 V	691
1997 EM ₁₂	* 1997 03 03.24285	10 11 10.83	+01 55 51.9	19.7 V	691	1997 EU ₁₂	1997 03 03.29905	10 23 37.07	+01 54 46.6	19.4 V	691
1997 EM ₁₂	1997 03 03.26436	10 11 09.54	+01 55 57.6	19.8 V	691	1997 EU ₁₂	1997 03 10.20285	10 17 38.41	+02 16 18.0	19.7 V	691
1997 EM ₁₂	1997 03 03.29041	10 11 07.98	+01 56 04.1	19.6 V	691	1997 EU ₁₂	1997 03 10.22441	10 17 37.31	+02 16 22.0	19.6 V	691
1997 EM ₁₂	1997 03 10.19394	10 04 46.93	+02 26 09.8	19.9 V	691	1997 EU ₁₂	1997 03 10.24533	10 17 36.23	+02 16 26.0	19.4 V	691
1997 EM ₁₂	1997 03 10.21550	10 04 45.77	+02 26 15.6	19.8 V	691	1997 EV ₁₂	* 1997 03 03.25282	10 25 34.05	+01 33 10.8	20.6 V	691
1997 EM ₁₂	1997 03 10.23642	10 04 44.65	+02 26 21.2	19.8 V	691	1997 EV ₁₂	1997 03 03.27433	10 25 32.91	+01 33 17.5	20.9 V	691
1997 EN ₁₂	* 1997 03 03.24286	10 11 11.65	+01 55 21.5	19.7 V	691	1997 EV ₁₂	1997 03 03.30038	10 25 31.48	+01 33 25.4	21.0 V	691
1997 EN ₁₂	1997 03 03.26437	10 11 10.42	+01 55 25.2	19.7 V	691	1997 EV ₁₂	1997 03 10.20443	10 19 55.31	+02 09 42.4	21.1 V	691
1997 EN ₁₂	1997 03 03.29042	10 11 08.94	+01 55 29.2	19.8 V	691	1997 EV ₁₂	1997 03 10.22599	10 19 54.25	+02 09 49.3	21.1 V	691
1997 EN ₁₂	1997 03 10.19408	10 04 58.87	+02 14 38.8	20.0 V	691	1997 EV ₁₂	1997 03 10.24691	10 19 53.26	+02 09 55.9	21.1 V	691
1997 EN ₁₂	1997 03 10.21564	10 04 57.73	+02 14 42.5	20.0 V	691	1997 EW ₁₂	* 1997 03 03.27350	10 24 21.37	+01 48 03.9	20.5 V	691
1997 EN ₁₂	1997 03 10.23656	10 04 56.62	+02 14 46.1	19.9 V	691	1997 EW ₁₂	1997 03 03.29955	10 24 19.95	+01 48 10.5	20.9 V	691
1997 EO ₁₂	* 1997 03 03.24732	10 17 37.99	+01 47 26.7	19.6 V	691	1997 EW ₁₂	1997 03 10.20345	10 18 30.76	+02 20 43.8	21.1 V	691
1997 EO ₁₂	1997 03 03.26883	10 17 36.93	+01 47 32.6	20.0 V	691	1997 EW ₁₂	1997 03 10.22501	10 18 29.68	+02 20 49.9	21.0 V	691
1997 EO ₁₂	1997 03 03.29488	10 17 35.66	+01 47 40.4	20.1 V	691	1997 EW ₁₂	1997 03 10.24593	10 18 28.63	+02 20 55.6	20.9 V	691
1997 EO ₁₂	1997 03 10.19926	10 12 27.72	+02 22 44.4	20.2 V	691	1997 EX ₁₂	* 1997 03 03.31170	10 16 32.33	+07 01 40.3	20.4 V	691
1997 EO ₁₂	1997 03 10.22082	10 12 26.80	+02 22 50.6	20.3 V	691	1997 EX ₁₂	1997 03 03.33358	10 16 31.35	+07 01 46.2	20.6 V	691
1997 EO ₁₂	1997 03 10.24174	10 12 25.85	+02 22 57.0	20.1 V	691	1997 EX ₁₂	1997 03 03.35496	10 16 30.37	+07 01 52.3	20.4 V	691
1997 EP ₁₂	* 1997 03 03.24758	10 18 00.10	+01 34 13.1	20.2 V	691	1997 EX ₁₂	1997 03 10.26046	10 11 36.53	+07 34 11.6	20.3 V	691
1997 EP ₁₂	1997 03 03.26909	10 17 59.13	+01 34 19.6	20.3 V	691	1997 EX ₁₂	1997 03 10.29371	10 11 35.18	+07 34 21.0	20.3 V	691
1997 EP ₁₂	1997 03 03.29514	10 17 57.93	+01 34 27.4	20.4 V	691	1997 EX ₁₂	1997 03 10.32231	10 11 33.95	+07 34 29.2	20.3 V	691
1997 EP ₁₂	1997 03 10.19969	10 13 04.83	+02 10 02.9	20.8 V	691	1997 EY ₁₂	* 1997 03 03.31334	10 18 54.08	+07 17 39.8	21.9 V	691
1997 EP ₁₂	1997 03 10.22125	10 13 03.94	+02 10 09.5	20.8 V	691	1997 EY ₁₂	1997 03 03.33521	10 18 53.03	+07 17 45.5	21.8 V	691
1997 EP ₁₂	1997 03 10.24217	10 13 03.03	+02 10 16.1	20.7 V	691	1997 EY ₁₂	1997 03 10.26179	10 13 45.76	+07 48 07.9	22.4 V	691
1997 EQ ₁₂	* 1997 03 03.25001	10 21 31.00	+01 44 22.6	20.0 V	691	1997 EY ₁₂	1997 03 10.29500	10 13 44.35	+07 48 16.6	21.5 V	691
1997 EQ ₁₂	1997 03 03.27152	10 21 29.74	+01 44 28.5	20.2 V	691	1997 EY ₁₂	1997 03 10.32359	10 13 43.06	+07 48 24.3	21.4 V	691
1997 EQ ₁₂	1997 03 03.29757	10 21 28.19	+01 44 36.5	19.9 V	691	1997 EZ ₁₂	* 1997 03 03.31370	10 19 25.66	+07 13 11.7	21.2 V	691
1997 EQ ₁₂	1997 03 10.20115	10 15 11.11	+02 18 33.2	20.0 V	691	1997 EZ ₁₂	1997 03 03.33557	10 19 24.32	+07 13 16.6	21.2 V	691
1997 EQ ₁₂	1997 03 10.22271	10 15 09.91	+02 18 39.9	20.1 V	691	1997 EZ ₁₂	1997 03 03.35695	10 19 23.05	+07 13 21.0	21.2 V	691
1997 EQ ₁₂	1997 03 10.24362	10 15 08.79	+02 18 46.0	20.1 V	691	1997 EZ ₁₂	1997 03 10.26120	10 12 55.24	+07 38 14.9	21.2 V	691
1997 ER ₁₂	* 1997 03 03.25021	10 21 48.32	+01 36 22.9	20.9 V	691	1997 EZ ₁₂	1997 03 10.32300	10 12 51.81	+07 38 28.0	21.0 V	691
1997 ER ₁₂	1997 03 03.27172	10 21 47.06	+01 36 29.8	21.5 V	691	1997 EA ₁₃	* 1997 03 03.31379	10 19 32.96	+07 14 30.0	19.3 V	691
1997 ER ₁₂	1997 03 03.29777	10 21 45.56	+01 36 38.4	20.9 V	691	1997 EA ₁₃	1997 03 03.33566	10 19 31.51	+07 14 35.3	19.3 V	691
1997 ER ₁₂	1997 03 10.20150	10 15 42.08	+02 15 34.7	21.2 V	691	1997 EA ₁₃	1997 03 03.35703	10 19 30.10	+07 14 40.1	19.3 V	691
1997 ER ₁₂	1997 03 10.24398	10 15 39.83	+02 15 50.1	21.2 V	691	1997 EA ₁₃	1997 03 10.26088	10 12 27.31	+07 40 31.4	19.4 V	691
1997 ES ₁₂	* 1997 03 03.25123	10 23 16.36	+01 54 56.4	20.4 V	691	1997 EA ₁₃	1997 03 10.29409	10 12 25.32	+07 40 38.0	19.4 V	691
1997 ES ₁₂	1997 03 03.27274	10 23 15.03	+01 55 02.4	20.4 V	691	1997 EA ₁₃	1997 03 10.32267	10 12 23.60	+07 40 44.5	19.4 V	691
1997 ES ₁₂	1997 03 03.29878	10 23 13.42	+01 55 10.2	20.4 V	691	1997 EB ₁₃	* 1997 03 03.31392	10 19 44.17	+07 26 10.4	21.1 V	691
1997 ES ₁₂	1997 03 10.20220	10 16 42.61	+02 28 38.7	20.5 V	691	1997 EB ₁₃	1997 03 03.33579	10 19 43.01	+07 26 12.8	21.0 V	691
1997 ES ₁₂	1997 03 10.22376	10 16 41.38	+02 28 44.2	20.2 V	691	1997 EB ₁₃	1997 03 03.35717	10 19 41.87	+07 26 15.6	21.2 V	691
1997 ES ₁₂	1997 03 10.24468	10 16 40.20	+02 28 50.8	20.4 V	691	1997 EB ₁₃	1997 03 10.26196	10 14 00.87	+07 40 01.6	21.6 V	691
1997 ES ₁₂	1997 03 11.22170	10 15 48.61	+02 33 37.9	20.9 V	691	1997 EB ₁₃	1997 03 10.29517	10 13 59.28	+07 40 05.3	21.0 V	691
1997 ES ₁₂	1997 03 11.24331	10 15 47.43	+02 33 44.0	20.8 V	691	1997 EB ₁₃	1997 03 10.32376	10 13 57.86	+07 40 08.5	21.0 V	691
1997 ES ₁₂	1997 03 11.26597	10 15 46.19	+02 33 50.8	20.6 V	691	1997 EC ₁₃	* 1997 03 03.31499	10 21 16.84	+07 13 21.3	21.2 V	691
1997 ET ₁₂	* 1997 03 03.25126	10 23 19.12	+01 36 34.0	20.4 V	691	1997 EC ₁₃	1997 03 03.33686	10 21 15.69	+07 13 26.3	21.3 V	691
1997 ET ₁₂	1997 03 03.27277	10 23 18.15	+01 36 42.3	20.6 V	691	1997 EC ₁₃	1997 03 03.35824	10 21 14.59	+07 13 31.2	21.1 V	691
1997 ET ₁₂	1997 03 03.29882	10 23 17.00	+01 36 52.3	20.2 V	691	1997 EC ₁₃	1997 03 10.26307	10 15 36.76	+07 40 38.7	21.2 V	691
1997 ET ₁₂	1997 03 10.20344	10 18 29.98	+02 22 04.8	20.6 V	691	1997 EC ₁₃	1997 03 10.29628	10 15 35.16	+07 40 46.6	21.0 V	691
1997 ET ₁₂	1997 03 10.22501	10 18 29.08	+02 22 13.1	20.6 V	691	1997 EC ₁₃	1997 03 10.32487	10 15 33.77	+07 40 52.9	20.8 V	691
1997 ET ₁₂	1997 03 10.24593	10 18 28.23	+02 22 21.4	20.6 V	691	1997 ED ₁₃	* 1997 03 03.31520	10 21 35.41	+07 25 37.8	20.0 V	691
1997 EU ₁₂	* 1997 03 03.25150	10 23 39.72	+01 54 37.8	19.3 V	691	1997 ED ₁₃	1997 03 03.33707	10 21 34.16	+07 25 42.5	20.1 V	691

1997 ED ₁₃	1997 03 03.35845	10 21 32.95	+07 25 46.9	20.0 V	691	1997 EN ₁₃	* 1997 03 03.31755	10 24 58.71	+07 17 17.8	20.0 V	691
1997 ED ₁₃	1997 03 10.26300	10 15 30.50	+07 49 50.1	20.2 V	691	1997 EN ₁₃	1997 03 03.33942	10 24 57.66	+07 17 22.1	20.3 V	691
1997 ED ₁₃	1997 03 10.29620	10 15 28.78	+07 49 56.9	20.2 V	691	1997 EN ₁₃	1997 03 03.36080	10 24 56.64	+07 17 26.4	20.2 V	691
1997 ED ₁₃	1997 03 10.32479	10 15 27.31	+07 50 02.7	20.2 V	691	1997 EN ₁₃	1997 03 10.26591	10 19 42.93	+07 39 57.9	20.2 V	691
1997 EE ₁₃	* 1997 03 03.31559	10 22 08.63	+07 03 29.6	18.9 V	691	1997 EN ₁₃	1997 03 10.29912	10 19 41.45	+07 40 04.1	20.3 V	691
1997 EE ₁₃	1997 03 03.33746	10 22 07.43	+07 03 37.9	19.0 V	691	1997 EN ₁₃	1997 03 10.32771	10 19 40.15	+07 40 09.5	20.3 V	691
1997 EE ₁₃	1997 03 03.35884	10 22 06.28	+07 03 46.1	18.9 V	691	1997 EO ₁₃	* 1997 03 03.31811	10 25 47.57	+07 02 26.2	19.1 V	691
1997 EE ₁₃	1997 03 10.26357	10 16 19.81	+07 47 05.2	19.0 V	691	1997 EO ₁₃	1997 03 03.33998	10 25 46.33	+07 02 36.7	19.0 V	691
1997 EE ₁₃	1997 03 10.29677	10 16 18.15	+07 47 17.5	19.0 V	691	1997 EO ₁₃	1997 03 03.36136	10 25 45.13	+07 02 47.3	18.9 V	691
1997 EE ₁₃	1997 03 10.32536	10 16 16.72	+07 47 28.1	19.1 V	691	1997 EO ₁₃	1997 03 10.26592	10 19 43.95	+07 56 32.6	18.8 V	691
1997 EF ₁₃	* 1997 03 03.31561	10 22 10.49	+07 02 37.1	20.1 V	691	1997 EO ₁₃	1997 03 10.29913	10 19 42.30	+07 56 46.3	19.2 V	691
1997 EF ₁₃	1997 03 03.33748	10 22 09.20	+07 02 44.4	20.1 V	691	1997 EO ₁₃	1997 03 10.32772	10 19 40.83	+07 56 59.5	19.0 V	691
1997 EF ₁₃	1997 03 03.35886	10 22 07.96	+07 02 51.2	20.0 V	691	1997 EO ₁₃	1997 03 11.28193	10 18 54.34	+08 04 05.6	19.2 V	691
1997 EF ₁₃	1997 03 10.26327	10 15 53.96	+07 39 16.7	20.2 V	691	1997 EO ₁₃	1997 03 11.30337	10 18 53.26	+08 04 15.4	18.9 V	691
1997 EF ₁₃	1997 03 10.29647	10 15 52.21	+07 39 26.6	20.2 V	691	1997 EO ₁₃	1997 03 11.32594	10 18 52.11	+08 04 25.3	19.1 V	691
1997 EF ₁₃	1997 03 10.32506	10 15 50.68	+07 39 35.2	20.2 V	691	1997 EP ₁₃	* 1997 03 03.31813	10 25 49.30	+07 21 06.1	19.6 V	691
1997 EG ₁₃	* 1997 03 03.31564	10 22 13.78	+07 02 34.7	20.4 V	691	1997 EP ₁₃	1997 03 03.34001	10 25 48.31	+07 21 13.1	19.7 V	691
1997 EG ₁₃	1997 03 03.33752	10 22 12.81	+07 02 44.2	20.5 V	691	1997 EP ₁₃	1997 03 03.36139	10 25 47.35	+07 21 19.9	19.5 V	691
1997 EG ₁₃	1997 03 03.35890	10 22 11.82	+07 02 53.8	20.5 V	691	1997 EP ₁₃	1997 03 10.26677	10 20 57.81	+07 56 25.6	19.6 V	691
1997 EG ₁₃	1997 03 10.26424	10 17 18.51	+07 53 20.7	20.4 V	691	1997 EP ₁₃	1997 03 10.29999	10 20 56.45	+07 56 35.5	19.6 V	691
1997 EG ₁₃	1997 03 10.29745	10 17 17.12	+07 53 34.9	20.4 V	691	1997 EP ₁₃	1997 03 10.32858	10 20 55.26	+07 56 44.2	19.7 V	691
1997 EG ₁₃	1997 03 10.32605	10 17 15.93	+07 53 47.4	20.5 V	691	1997 EP ₁₃	1997 03 11.28289	10 20 17.34	+08 01 24.9	19.8 V	691
1997 EH ₁₃	* 1997 03 03.31579	10 22 26.22	+07 15 13.3	18.9 V	691	1997 EP ₁₃	1997 03 11.30433	10 20 16.45	+08 01 31.4	19.8 V	691
1997 EH ₁₃	1997 03 03.33766	10 22 25.06	+07 15 20.8	19.0 V	691	1997 EP ₁₃	1997 03 11.32690	10 20 15.53	+08 01 38.0	19.5 V	691
1997 EH ₁₃	1997 03 03.35904	10 22 23.91	+07 15 28.0	18.9 V	691	1997 EQ ₁₃	* 1997 03 03.31823	10 25 57.50	+07 07 43.4	19.4 V	691
1997 EH ₁₃	1997 03 10.26385	10 16 44.69	+07 53 20.9	19.1 V	691	1997 EQ ₁₃	1997 03 03.34010	10 25 56.34	+07 07 50.4	19.4 V	691
1997 EH ₁₃	1997 03 10.29706	10 16 43.08	+07 53 31.4	19.2 V	691	1997 EQ ₁₃	1997 03 03.36148	10 25 55.22	+07 07 57.6	19.4 V	691
1997 EH ₁₃	1997 03 10.32565	10 16 41.71	+07 53 40.6	19.1 V	691	1997 EQ ₁₃	1997 03 10.26629	10 20 15.73	+07 44 50.2	19.5 V	691
1997 EJ ₁₃	* 1997 03 03.31582	10 22 28.99	+07 11 46.2	19.2 V	691	1997 EQ ₁₃	1997 03 10.29950	10 20 14.12	+07 45 00.2	19.6 V	691
1997 EJ ₁₃	1997 03 03.33769	10 22 27.77	+07 11 54.0	19.2 V	691	1997 EQ ₁₃	1997 03 10.32809	10 20 12.71	+07 45 09.1	19.7 V	691
1997 EJ ₁₃	1997 03 03.35907	10 22 26.58	+07 12 01.8	19.7 V	691	1997 ER ₁₃	* 1997 03 03.31898	10 27 02.69	+07 21 36.4	19.0 V	691
1997 EJ ₁₃	1997 03 10.26381	10 16 41.20	+07 52 39.1	19.3 V	691	1997 ER ₁₃	1997 03 03.34085	10 27 01.46	+07 21 43.5	18.9 V	691
1997 EJ ₁₃	1997 03 10.29702	10 16 39.55	+07 52 50.2	19.9 V	691	1997 ER ₁₃	1997 03 03.36223	10 27 00.24	+07 21 50.5	18.9 V	691
1997 EJ ₁₃	1997 03 10.32561	10 16 38.15	+07 53 00.1	19.6 V	691	1997 ER ₁₃	1997 03 10.26692	10 21 10.24	+07 58 00.8	19.0 V	691
1997 EK ₁₃	* 1997 03 03.31614	10 22 56.30	+07 21 24.0	19.4 V	691	1997 ER ₁₃	1997 03 10.30013	10 21 08.58	+07 58 10.6	18.9 V	691
1997 EK ₁₃	1997 03 03.33801	10 22 54.99	+07 21 28.1	19.3 V	691	1997 ER ₁₃	1997 03 10.32872	10 21 07.15	+07 58 19.2	19.1 V	691
1997 EK ₁₃	1997 03 03.35938	10 22 53.73	+07 21 32.3	19.3 V	691	1997 ES ₁₃	* 1997 03 03.31909	10 27 12.01	+07 05 34.7	21.0 V	691
1997 EK ₁₃	1997 03 10.26367	10 16 28.71	+07 43 17.6	19.4 V	691	1997 ES ₁₃	1997 03 03.34096	10 27 11.05	+07 05 42.0	20.9 V	691
1997 EK ₁₃	1997 03 10.29687	10 16 26.86	+07 43 23.7	19.5 V	691	1997 ES ₁₃	1997 03 03.36234	10 27 10.13	+07 05 48.5	21.0 V	691
1997 EK ₁₃	1997 03 10.32546	10 16 25.29	+07 43 28.9	19.6 V	691	1997 ES ₁₃	1997 03 10.26782	10 22 28.27	+07 41 20.6	21.3 V	691
1997 EL ₁₃	* 1997 03 03.31623	10 23 04.70	+07 29 19.7	21.2 V	691	1997 ES ₁₃	1997 03 10.30103	10 22 26.95	+07 41 30.9	21.1 V	691
1997 EL ₁₃	1997 03 03.33810	10 23 03.55	+07 29 25.7	21.0 V	691	1997 ES ₁₃	1997 03 10.32962	10 22 25.75	+07 41 39.6	21.0 V	691
1997 EL ₁₃	1997 03 03.35948	10 23 02.43	+07 29 31.0	21.5 V	691	1997 ET ₁₃	* 1997 03 03.31953	10 27 50.48	+07 27 52.3	21.1 V	691
1997 EL ₁₃	1997 03 10.26431	10 17 24.13	+07 58 36.0	21.3 V	691	1997 ET ₁₃	1997 03 03.34140	10 27 49.41	+07 27 57.2	21.3 V	691
1997 EL ₁₃	1997 03 10.29752	10 17 22.51	+07 58 44.2	21.3 V	691	1997 ET ₁₃	1997 03 03.36278	10 27 48.35	+07 28 02.7	21.6 V	691
1997 EL ₁₃	1997 03 10.32611	10 17 21.13	+07 58 51.6	21.2 V	691	1997 ET ₁₃	1997 03 10.26778	10 22 25.05	+07 54 56.9	21.5 V	691
1997 EM ₁₃	* 1997 03 03.31638	10 23 17.24	+07 08 31.1	19.3 V	691	1997 ET ₁₃	1997 03 10.30099	10 22 23.52	+07 55 04.2	21.5 V	691
1997 EM ₁₃	1997 03 03.33825	10 23 15.92	+07 08 36.3	19.3 V	691	1997 ET ₁₃	1997 03 10.32958	10 22 22.25	+07 55 10.4	21.8 V	691
1997 EM ₁₃	1997 03 03.35962	10 23 14.63	+07 08 41.4	19.3 V	691	1997 EU ₁₃	* 1997 03 03.31961	10 27 57.39	+07 09 38.2	20.5 V	691
1997 EM ₁₃	1997 03 10.26396	10 16 54.39	+07 35 33.8	19.1 V	691	1997 EU ₁₃	1997 03 03.34148	10 27 56.02	+07 09 45.4	20.4 V	691
1997 EM ₁₃	1997 03 10.29717	10 16 52.62	+07 35 41.2	19.3 V	691	1997 EU ₁₃	1997 03 03.36286	10 27 54.71	+07 09 52.4	20.5 V	691
1997 EM ₁₃	1997 03 10.32576	10 16 51.08	+07 35 47.7	19.3 V	691	1997 EU ₁₃	1997 03 10.26702	10 21 18.99	+07 46 22.9	20.7 V	691

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1997 EU ₁₃	1997 03 10.30023	10 21 17.12	+07 46 33.2	20.6 V	691	1997 EC ₁₄	1997 03 10.33292	10 27 10.87	+07 58 05.1	19.9 V	691
1997 EU ₁₃	1997 03 10.32881	10 21 15.49	+07 46 41.8	20.5 V	691	1997 EC ₁₄	1997 03 11.28717	10 26 28.01	+08 04 15.6	20.5 V	691
1997 EV ₁₃	* 1997 03 03.32114	10 30 09.44	+07 06 23.5	18.2 V	691	1997 EC ₁₄	1997 03 11.30861	10 26 27.01	+08 04 23.9	20.0 V	691
1997 EV ₁₃	1997 03 03.34301	10 30 08.23	+07 06 33.2	17.8 V	691	1997 EC ₁₄	1997 03 11.33118	10 26 25.95	+08 04 32.5	19.6 V	691
1997 EV ₁₃	1997 03 03.36438	10 30 06.88	+07 06 41.1	18.2 V	691	1997 ED ₁₄	* 1997 03 03.32402	10 34 19.03	+07 19 29.9	20.7 V	691
1997 EV ₁₃	1997 03 10.26870	10 23 44.83	+07 52 51.7	18.3 V	691	1997 ED ₁₄	1997 03 03.34589	10 34 17.99	+07 19 36.5	20.9 V	691
1997 EV ₁₃	1997 03 10.30191	10 23 43.00	+07 53 04.9	18.2 V	691	1997 ED ₁₄	1997 03 03.36727	10 34 16.94	+07 19 43.3	20.6 V	691
1997 EV ₁₃	1997 03 10.33050	10 23 41.41	+07 53 16.1	18.4 V	691	1997 ED ₁₄	1997 03 10.27244	10 29 08.71	+07 53 19.3	21.0 V	691
1997 EW ₁₃	* 1997 03 03.32124	10 30 18.31	+07 15 21.7	21.0 V	691	1997 ED ₁₄	1997 03 10.30565	10 29 07.26	+07 53 28.8	20.7 V	691
1997 EW ₁₃	1997 03 03.34311	10 30 16.94	+07 15 24.9	20.9 V	691	1997 ED ₁₄	1997 03 10.33425	10 29 05.97	+07 53 36.8	21.0 V	691
1997 EW ₁₃	1997 03 03.36448	10 30 15.58	+07 15 28.6	20.9 V	691	1997 EE ₁₄	* 1997 03 03.32413	10 34 29.18	+07 20 04.2	20.0 V	691
1997 EW ₁₃	1997 03 10.26847	10 23 24.53	+07 33 05.4	20.8 V	691	1997 EE ₁₄	1997 03 03.34600	10 34 27.81	+07 20 11.4	20.2 V	691
1997 EW ₁₃	1997 03 10.30167	10 23 22.55	+07 33 10.3	20.9 V	691	1997 EE ₁₄	1997 03 03.36738	10 34 26.48	+07 20 18.1	20.0 V	691
1997 EW ₁₃	1997 03 10.33026	10 23 20.87	+07 33 14.5	21.2 V	691	1997 EE ₁₄	1997 03 10.27147	10 27 44.71	+07 55 31.8	20.2 V	691
1997 EX ₁₃	* 1997 03 03.32124	10 30 18.87	+07 26 23.3	18.7 V	691	1997 EE ₁₄	1997 03 10.30468	10 27 42.79	+07 55 41.5	20.0 V	691
1997 EX ₁₃	1997 03 03.34311	10 30 17.54	+07 26 30.0	18.7 V	691	1997 EE ₁₄	1997 03 10.33327	10 27 41.14	+07 55 49.8	20.1 V	691
1997 EX ₁₃	1997 03 03.36449	10 30 16.25	+07 26 36.3	18.6 V	691	1997 EF ₁₄	* 1997 03 03.32429	10 34 42.75	+07 24 33.4	20.4 V	691
1997 EX ₁₃	1997 03 10.26874	10 23 48.01	+08 00 11.1	18.8 V	691	1997 EF ₁₄	1997 03 03.34616	10 34 41.64	+07 24 39.7	20.2 V	691
1997 EX ₁₃	1997 03 10.30195	10 23 46.18	+08 00 20.4	18.9 V	691	1997 EF ₁₄	1997 03 03.36754	10 34 40.54	+07 24 45.8	20.4 V	691
1997 EX ₁₃	1997 03 10.33054	10 23 44.61	+08 00 28.4	19.1 V	691	1997 EF ₁₄	1997 03 10.27244	10 29 09.00	+07 56 10.9	20.1 V	691
1997 EX ₁₃	1997 03 11.28470	10 22 54.16	+08 04 51.9	18.8 V	691	1997 EF ₁₄	1997 03 10.30565	10 29 07.41	+07 56 19.6	20.5 V	691
1997 EX ₁₃	1997 03 11.30614	10 22 53.01	+08 04 58.0	18.7 V	691	1997 EG ₁₄	* 1997 03 03.32451	10 35 01.98	+07 19 30.1	19.6 V	691
1997 EX ₁₃	1997 03 11.32871	10 22 51.77	+08 05 04.0	18.8 V	691	1997 EG ₁₄	1997 03 03.34638	10 35 00.88	+07 19 34.7	19.6 V	691
1997 EY ₁₃	* 1997 03 03.32205	10 31 29.01	+07 14 18.4	20.4 V	691	1997 EG ₁₄	1997 03 03.36777	10 34 59.84	+07 19 38.9	19.7 V	691
1997 EY ₁₃	1997 03 03.34392	10 31 27.72	+07 14 24.3	20.4 V	691	1997 EG ₁₄	1997 03 10.27280	10 29 40.15	+07 42 16.1	19.7 V	691
1997 EY ₁₃	1997 03 03.36530	10 31 26.46	+07 14 29.9	20.4 V	691	1997 EG ₁₄	1997 03 10.30601	10 29 38.62	+07 42 22.3	19.6 V	691
1997 EY ₁₃	1997 03 10.26958	10 25 00.54	+07 44 10.9	20.1 V	691	1997 EG ₁₄	1997 03 10.33461	10 29 37.29	+07 42 27.8	19.7 V	691
1997 EY ₁₃	1997 03 10.30278	10 24 58.60	+07 44 19.6	20.4 V	691	1997 EH ₁₄	* 1997 03 03.32495	10 35 39.73	+07 20 10.1	18.3 V	691
1997 EY ₁₃	1997 03 10.33137	10 24 57.02	+07 44 27.0	20.5 V	691	1997 EH ₁₄	1997 03 03.34682	10 35 38.32	+07 20 16.3	18.3 V	691
1997 EZ ₁₃	* 1997 03 03.32235	10 31 54.44	+07 02 29.0	21.0 V	691	1997 EH ₁₄	1997 03 03.36819	10 35 36.92	+07 20 22.0	18.4 V	691
1997 EZ ₁₃	1997 03 03.34422	10 31 53.22	+07 02 35.9	21.3 V	691	1997 EH ₁₄	1997 03 10.27205	10 28 34.41	+07 50 28.5	18.6 V	691
1997 EZ ₁₃	1997 03 03.36560	10 31 52.05	+07 02 42.8	20.9 V	691	1997 EH ₁₄	1997 03 10.30525	10 28 32.40	+07 50 37.0	18.5 V	691
1997 EZ ₁₃	1997 03 10.27016	10 25 51.02	+07 39 37.8	20.8 V	691	1997 EH ₁₄	1997 03 10.33384	10 28 30.67	+07 50 44.0	18.5 V	691
1997 EZ ₁₃	1997 03 10.30337	10 25 49.29	+07 39 48.2	21.0 V	691	1997 EJ ₁₄	* 1997 03 03.32507	10 35 50.63	+07 26 27.0	19.8 V	691
1997 EZ ₁₃	1997 03 10.33196	10 25 47.80	+07 39 57.1	21.1 V	691	1997 EJ ₁₄	1997 03 03.34695	10 35 49.46	+07 26 31.8	19.2 V	691
1997 EA ₁₄	* 1997 03 03.32242	10 32 00.71	+07 20 46.0	19.2 V	691	1997 EJ ₁₄	1997 03 03.36833	10 35 48.40	+07 26 33.5	19.7 V	691
1997 EA ₁₄	1997 03 03.34429	10 31 59.66	+07 20 51.6	19.2 V	691	1997 EJ ₁₄	1997 03 10.27313	10 30 08.50	+07 42 37.4	19.9 V	691
1997 EA ₁₄	1997 03 03.36567	10 31 58.62	+07 20 57.3	19.3 V	691	1997 EJ ₁₄	1997 03 10.30634	10 30 06.86	+07 42 41.8	19.8 V	691
1997 EA ₁₄	1997 03 10.27076	10 26 42.85	+07 50 34.3	19.4 V	691	1997 EJ ₁₄	1997 03 10.33493	10 30 05.46	+07 42 45.5	20.0 V	691
1997 EA ₁₄	1997 03 10.30397	10 26 41.34	+07 50 42.6	19.3 V	691	1997 EK ₁₄	* 1997 03 03.32512	10 35 54.18	+07 03 34.7	20.2 V	691
1997 EA ₁₄	1997 03 10.33256	10 26 40.03	+07 50 51.3	19.0 V	691	1997 EK ₁₄	1997 03 03.34699	10 35 53.01	+07 03 45.7	19.7 V	691
1997 EB ₁₄	* 1997 03 03.32269	10 32 23.72	+07 15 08.1	20.6 V	691	1997 EK ₁₄	1997 03 03.36837	10 35 51.85	+07 03 56.4	20.1 V	691
1997 EB ₁₄	1997 03 03.34456	10 32 22.60	+07 15 14.8	20.8 V	691	1997 EK ₁₄	1997 03 10.27320	10 30 14.65	+07 58 47.1	20.2 V	691
1997 EB ₁₄	1997 03 03.36594	10 32 21.52	+07 15 21.4	20.6 V	691	1997 EK ₁₄	1997 03 10.30641	10 30 13.05	+07 59 02.3	20.1 V	691
1997 EB ₁₄	1997 03 10.27089	10 26 54.41	+07 49 47.3	20.9 V	691	1997 EK ₁₄	1997 03 10.33500	10 30 11.67	+07 59 15.4	20.2 V	691
1997 EB ₁₄	1997 03 10.30410	10 26 52.85	+07 49 57.0	20.8 V	691	1997 EL ₁₄	* 1997 03 03.34073	10 26 51.23	+07 05 54.5	20.5 V	691
1997 EB ₁₄	1997 03 10.33269	10 26 51.51	+07 50 05.6	20.9 V	691	1997 EL ₁₄	1997 03 03.36211	10 26 50.17	+07 06 03.6	20.4 V	691
1997 EC ₁₄	* 1997 03 03.32296	10 32 47.61	+07 10 44.2	19.8 V	691	1997 EL ₁₄	1997 03 10.26716	10 21 31.52	+07 48 14.3	20.6 V	691
1997 EC ₁₄	1997 03 03.34483	10 32 46.46	+07 10 53.4	19.6 V	691	1997 EL ₁₄	1997 03 10.30037	10 21 30.01	+07 48 26.0	20.8 V	691
1997 EC ₁₄	1997 03 03.36621	10 32 45.35	+07 11 02.2	19.6 V	691	1997 EL ₁₄	1997 03 10.32897	10 21 28.70	+07 48 36.0	20.9 V	691
1997 EC ₁₄	1997 03 10.27112	10 27 13.81	+07 57 40.9	20.1 V	691	1997 EM ₁₄	* 1997 03 03.34118	10 27 30.23	+07 17 02.8	19.7 V	691
1997 EC ₁₄	1997 03 10.30432	10 27 12.23	+07 57 54.0	19.7 V	691	1997 EM ₁₄	1997 03 03.36256	10 27 29.06	+07 17 09.2	19.8 V	691

1997 EM ₁₄	1997 03 10.26723	10 21 37.62	+07 50 19.2	19.8 V	691	1997 EU ₁₄	1997 03 10.13736	08 22 29.14	+15 16 53.3	21.0 V	691
1997 EM ₁₄	1997 03 10.30044	10 21 35.94	+07 50 28.3	19.9 V	691	1997 EU ₁₄	1997 03 10.15908	08 22 28.78	+15 17 00.4	20.9 V	691
1997 EM ₁₄	1997 03 10.32903	10 21 34.50	+07 50 36.3	20.0 V	691	1997 EV ₁₄	* 1997 03 04.13117	08 26 23.28	+14 51 35.6	21.0 V	691
1997 EN ₁₄	* 1997 03 03.39028	10 20 38.78	+07 42 13.8	19.9 V	691	1997 EV ₁₄	1997 03 04.15298	08 26 22.51	+14 51 43.7	21.1 V	691
1997 EN ₁₄	1997 03 03.41177	10 20 37.45	+07 42 15.5	19.8 V	691	1997 EV ₁₄	1997 03 04.17471	08 26 21.73	+14 51 50.8	20.6 V	691
1997 EN ₁₄	1997 03 03.43293	10 20 36.17	+07 42 17.4	19.7 V	691	1997 EV ₁₄	1997 03 10.11607	08 23 33.01	+15 23 27.2	21.1 V	691
1997 EN ₁₄	1997 03 10.26202	10 14 06.40	+07 51 28.7	20.0 V	691	1997 EV ₁₄	1997 03 10.13809	08 23 32.48	+15 23 33.7	21.1 V	691
1997 EN ₁₄	1997 03 10.29523	10 14 04.55	+07 51 30.9	20.1 V	691	1997 EV ₁₄	1997 03 10.15981	08 23 31.92	+15 23 40.5	21.0 V	691
1997 EN ₁₄	1997 03 10.32382	10 14 02.96	+07 51 33.3	19.8 V	691	1997 EW ₁₄	* 1997 03 04.13584	08 33 07.53	+14 35 09.4	19.8 V	691
1997 EO ₁₄	* 1997 03 03.39878	10 32 55.98	+07 31 55.6	20.7 V	691	1997 EW ₁₄	1997 03 04.15765	08 33 06.86	+14 35 15.9	19.9 V	691
1997 EO ₁₄	1997 03 03.42028	10 32 55.00	+07 32 01.5	20.6 V	691	1997 EW ₁₄	1997 03 04.17938	08 33 06.17	+14 35 22.4	19.8 V	691
1997 EO ₁₄	1997 03 03.44143	10 32 54.02	+07 32 06.7	20.9 V	691	1997 EW ₁₄	1997 03 10.12108	08 30 46.63	+15 02 35.9	19.9 V	691
1997 EO ₁₄	1997 03 10.27156	10 27 52.09	+08 00 05.9	21.0 V	691	1997 EW ₁₄	1997 03 10.14310	08 30 46.18	+15 02 41.4	19.9 V	691
1997 EO ₁₄	1997 03 10.30477	10 27 50.65	+08 00 13.8	20.6 V	691	1997 EW ₁₄	1997 03 10.16482	08 30 45.75	+15 02 46.7	19.8 V	691
1997 EO ₁₄	1997 03 10.33336	10 27 49.38	+08 00 20.8	20.9 V	691	1997 EX ₁₄	* 1997 03 04.13597	08 33 18.61	+14 59 41.9	20.7 V	691
1997 EO ₁₄	1997 03 11.28764	10 27 08.73	+08 04 07.7	20.8 V	691	1997 EX ₁₄	1997 03 04.15777	08 33 17.89	+14 59 44.8	21.2 V	691
1997 EO ₁₄	1997 03 11.30908	10 27 07.78	+08 04 13.2	21.1 V	691	1997 EX ₁₄	1997 03 04.17951	08 33 17.29	+14 59 47.6	21.1 V	691
1997 EO ₁₄	1997 03 11.33165	10 27 06.81	+08 04 17.9	20.9 V	691	1997 EX ₁₄	1997 03 10.12126	08 31 02.46	+15 11 12.4	20.6 V	691
1997 EP ₁₄	* 1997 03 03.47531	14 17 54.90	+03 34 40.7	20.7 V	691	1997 EX ₁₄	1997 03 10.14328	08 31 02.07	+15 11 14.7	21.3 V	691
1997 EP ₁₄	1997 03 03.49656	14 17 54.77	+03 34 44.8	21.0 V	691	1997 EX ₁₄	1997 03 10.16501	08 31 01.64	+15 11 17.3	20.9 V	691
1997 EP ₁₄	1997 03 03.51772	14 17 54.62	+03 34 49.1	21.0 V	691	1997 EY ₁₄	* 1997 03 04.14099	08 40 33.34	+14 41 33.7	21.1 V	691
1997 EP ₁₄	1997 03 10.42704	14 16 44.86	+03 59 08.0	21.1 V	691	1997 EY ₁₄	1997 03 04.16280	08 40 32.76	+14 41 39.8	21.7 V	691
1997 EP ₁₄	1997 03 10.45468	14 16 44.42	+03 59 13.9	20.5 V	691	1997 EY ₁₄	1997 03 04.18453	08 40 32.21	+14 41 45.9	21.3 V	691
1997 EP ₁₄	1997 03 10.48256	14 16 43.95	+03 59 20.0	20.9 V	691	1997 EY ₁₄	1997 03 10.12647	08 38 33.60	+15 08 18.2	21.3 V	691
1997 EQ ₁₄	* 1997 03 04.12656	08 19 43.35	+14 57 21.6	20.2 V	691	1997 EY ₁₄	1997 03 10.14849	08 38 33.21	+15 08 23.7	21.3 V	691
1997 EQ ₁₄	1997 03 04.14836	08 19 42.81	+14 57 28.5	20.4 V	691	1997 EY ₁₄	1997 03 10.17022	08 38 32.84	+15 08 29.3	21.3 V	691
1997 EQ ₁₄	1997 03 04.17010	08 19 42.23	+14 57 35.0	20.3 V	691	1997 EZ ₁₄	* 1997 03 04.19987	10 07 46.92	+02 11 35.0	20.8 V	691
1997 EQ ₁₄	1997 03 10.11217	08 17 54.75	+15 26 16.2	20.6 V	691	1997 EZ ₁₄	1997 03 04.22205	10 07 45.79	+02 11 39.2	21.5 V	691
1997 EQ ₁₄	1997 03 10.13419	08 17 54.41	+15 26 22.6	20.7 V	691	1997 EZ ₁₄	1997 03 04.24394	10 07 44.64	+02 11 43.3	21.4 V	691
1997 EQ ₁₄	1997 03 10.15591	08 17 54.11	+15 26 28.6	20.2 V	691	1997 EZ ₁₄	1997 03 10.19285	10 03 12.58	+02 30 41.7	21.3 V	691
1997 ER ₁₄	* 1997 03 04.12671	08 19 56.37	+14 52 49.3	20.6 V	691	1997 EZ ₁₄	1997 03 10.21441	10 03 11.64	+02 30 45.6	21.2 V	691
1997 ER ₁₄	1997 03 04.14851	08 19 55.75	+14 52 54.2	20.9 V	691	1997 EZ ₁₄	1997 03 10.23533	10 03 10.70	+02 30 50.3	21.2 V	691
1997 ER ₁₄	1997 03 04.17025	08 19 55.12	+14 52 59.0	20.8 V	691	1997 EA ₁₅	* 1997 03 04.20313	10 12 29.36	+02 04 19.3	20.6 V	691
1997 ER ₁₄	1997 03 10.11205	08 17 44.03	+15 13 32.1	21.2 V	691	1997 EA ₁₅	1997 03 04.22530	10 12 28.12	+02 04 23.3	20.7 V	691
1997 ER ₁₄	1997 03 10.13407	08 17 43.61	+15 13 36.7	21.1 V	691	1997 EA ₁₅	1997 03 04.24720	10 12 26.87	+02 04 27.5	20.7 V	691
1997 ER ₁₄	1997 03 10.15579	08 17 43.16	+15 13 40.9	20.6 V	691	1997 EA ₁₅	1997 03 10.19561	10 07 11.35	+02 23 52.8	20.6 V	691
1997 ES ₁₄	* 1997 03 04.12714	08 20 33.92	+14 44 11.1	21.0 V	691	1997 EA ₁₅	1997 03 10.21717	10 07 10.17	+02 23 56.9	20.7 V	691
1997 ES ₁₄	1997 03 04.14895	08 20 33.43	+14 44 15.5	21.3 V	691	1997 EA ₁₅	1997 03 10.23809	10 07 09.08	+02 24 00.9	20.8 V	691
1997 ES ₁₄	1997 03 04.17068	08 20 32.92	+14 44 20.5	21.0 V	691	1997 EB ₁₅	* 1997 03 04.21111	10 24 00.74	+02 01 25.5	21.0 V	691
1997 ES ₁₄	1997 03 10.11275	08 18 44.90	+15 03 31.2	20.9 V	691	1997 EB ₁₅	1997 03 04.23329	10 23 59.67	+02 01 27.7	21.2 V	691
1997 ES ₁₄	1997 03 10.13477	08 18 44.53	+15 03 35.1	21.4 V	691	1997 EB ₁₅	1997 03 04.25519	10 23 58.60	+02 01 30.8	20.9 V	691
1997 ES ₁₄	1997 03 10.15649	08 18 44.20	+15 03 39.2	21.0 V	691	1997 EB ₁₅	1997 03 10.20400	10 19 18.34	+02 13 53.6	21.2 V	691
1997 ET ₁₄	* 1997 03 04.12863	08 22 43.16	+14 52 26.8	20.6 V	691	1997 EB ₁₅	1997 03 10.22556	10 19 17.28	+02 13 56.2	20.9 V	691
1997 ET ₁₄	1997 03 04.15044	08 22 42.66	+14 52 29.1	20.4 V	691	1997 EB ₁₅	1997 03 10.24648	10 19 16.32	+02 13 58.8	20.9 V	691
1997 ET ₁₄	1997 03 04.17218	08 22 42.11	+14 52 31.2	20.3 V	691	1997 EC ₁₅	* 1997 03 04.38007	12 10 30.99	-02 20 11.0	18.4 V	691
1997 ET ₁₄	1997 03 10.11424	08 20 54.26	+15 02 22.6	20.8 V	691	1997 EC ₁₅	1997 03 04.40354	12 10 29.72	-02 20 09.2	18.4 V	691
1997 ET ₁₄	1997 03 10.13626	08 20 53.93	+15 02 24.3	20.9 V	691	1997 EC ₁₅	1997 03 04.42473	12 10 28.57	-02 20 07.4	18.3 V	691
1997 ET ₁₄	1997 03 10.15799	08 20 53.58	+15 02 26.5	20.7 V	691	1997 EC ₁₅	1997 03 10.35870	12 05 01.99	-02 10 37.2	18.1 V	691
1997 EU ₁₄	* 1997 03 04.12981	08 24 25.49	+14 43 09.0	20.7 V	691	1997 EC ₁₅	1997 03 10.37962	12 05 00.68	-02 10 34.5	18.1 V	691
1997 EU ₁₄	1997 03 04.15162	08 24 24.91	+14 43 17.0	20.6 V	691	1997 EC ₁₅	1997 03 10.40054	12 04 59.41	-02 10 32.0	18.1 V	691
1997 EU ₁₄	1997 03 04.17336	08 24 24.30	+14 43 24.9	20.7 V	691	1997 ED ₁₅	* 1997 03 04.38126	12 12 14.19	-02 16 56.1	19.5 V	691
1997 EU ₁₄	1997 03 10.11534	08 22 29.47	+15 16 46.5	21.1 V	691	1997 ED ₁₅	1997 03 04.40473	12 12 13.02	-02 16 53.0	20.2 V	691

1997 ED ₁₅	1997 03 04.42592	12 12 12.07	-02 16 51.0	20.3 V	691	1997 EN ₁₅	* 1997 03 04.39486	12 31 51.71	-02 22 10.0	20.3 V	691
1997 ED ₁₅	1997 03 10.36020	12 07 42.88	-02 05 10.8	20.3 V	691	1997 EN ₁₅	1997 03 04.41832	12 31 50.85	-02 22 05.4	20.4 V	691
1997 ED ₁₅	1997 03 10.38107	12 07 41.85	-02 05 07.8	20.2 V	691	1997 EN ₁₅	1997 03 04.43952	12 31 50.07	-02 22 01.5	20.6 V	691
1997 ED ₁₅	1997 03 10.40199	12 07 40.84	-02 05 05.2	19.8 V	691	1997 EN ₁₅	1997 03 10.37428	12 28 03.43	-02 01 21.2	20.4 V	691
1997 EE ₁₅	* 1997 03 04.38330	12 15 10.65	-02 22 13.4	20.7 V	691	1997 EN ₁₅	1997 03 10.39516	12 28 02.54	-02 01 16.8	20.3 V	691
1997 EE ₁₅	1997 03 04.40677	12 15 09.67	-02 22 08.6	20.7 V	691	1997 EN ₁₅	1997 03 10.41609	12 28 01.70	-02 01 12.2	19.7 V	691
1997 EE ₁₅	1997 03 04.42796	12 15 08.82	-02 22 03.9	20.7 V	691	1997 EN ₁₅	1997 03 13.42614	12 25 56.85	-01 49 47.9	20.0 V	691
1997 EE ₁₅	1997 03 10.36248	12 11 00.49	-01 59 37.6	20.5 V	691	1997 EN ₁₅	1997 03 13.44780	12 25 55.90	-01 49 42.7	19.8 V	691
1997 EE ₁₅	1997 03 10.38336	12 10 59.54	-01 59 32.3	20.3 V	691	1997 EN ₁₅	1997 03 13.46960	12 25 54.97	-01 49 37.5	19.7 V	691
1997 EE ₁₅	1997 03 10.40428	12 10 58.58	-01 59 28.0	20.3 V	691	1997 EO ₁₅	* 1997 03 04.41172	12 22 18.41	-02 19 20.9	20.8 V	691
1997 EF ₁₅	* 1997 03 04.38540	12 18 12.61	-02 12 54.2	21.1 V	691	1997 EO ₁₅	1997 03 04.43291	12 22 17.52	-02 19 17.2	20.9 V	691
1997 EF ₁₅	1997 03 04.40887	12 18 11.43	-02 12 54.3	21.0 V	691	1997 EO ₁₅	1997 03 10.36733	12 18 00.64	-01 59 48.2	20.7 V	691
1997 EF ₁₅	1997 03 04.43006	12 18 10.36	-02 12 55.0	21.3 V	691	1997 EO ₁₅	1997 03 10.38821	12 17 59.68	-01 59 43.6	20.8 V	691
1997 EF ₁₅	1997 03 10.36393	12 13 06.74	-02 13 13.9	21.0 V	691	1997 EO ₁₅	1997 03 10.40913	12 17 58.68	-01 59 39.3	20.5 V	691
1997 EF ₁₅	1997 03 10.38481	12 13 05.62	-02 13 14.4	20.9 V	691	1997 EP ₁₅	* 1997 03 05.13665	08 18 34.03	+14 23 17.5	18.8 V	691
1997 EF ₁₅	1997 03 10.40573	12 13 04.49	-02 13 14.1	20.8 V	691	1997 EP ₁₅	1997 03 05.15855	08 18 33.66	+14 23 28.6	18.7 V	691
1997 EG ₁₅	* 1997 03 04.38829	12 22 23.02	-02 12 41.0	20.8 V	691	1997 EP ₁₅	1997 03 05.18039	08 18 33.29	+14 23 39.5	18.8 V	691
1997 EG ₁₅	1997 03 04.41175	12 22 21.65	-02 12 40.0	20.9 V	691	1997 EP ₁₅	1997 03 10.11196	08 17 36.65	+15 03 09.3	18.6 V	691
1997 EG ₁₅	1997 03 04.43294	12 22 20.43	-02 12 39.1	21.1 V	691	1997 EP ₁₅	1997 03 10.13398	08 17 36.45	+15 03 19.9	18.9 V	691
1997 EG ₁₅	1997 03 10.36627	12 16 29.02	-02 07 36.9	21.1 V	691	1997 EP ₁₅	1997 03 10.15571	08 17 36.25	+15 03 29.9	18.8 V	691
1997 EG ₁₅	1997 03 10.38714	12 16 27.69	-02 07 36.1	20.4 V	691	1997 EQ ₁₅	* 1997 03 05.14072	08 24 26.11	+14 29 27.9	19.6 V	691
1997 EG ₁₅	1997 03 10.40806	12 16 26.36	-02 07 34.9	20.5 V	691	1997 EQ ₁₅	1997 03 05.16262	08 24 25.76	+14 29 37.3	19.9 V	691
1997 EH ₁₅	* 1997 03 04.39054	12 25 37.55	-02 11 32.6	18.6 V	691	1997 EQ ₁₅	1997 03 05.18445	08 24 25.43	+14 29 46.7	19.9 V	691
1997 EH ₁₅	1997 03 04.41400	12 25 36.39	-02 11 34.6	18.9 V	691	1997 EQ ₁₅	1997 03 10.11614	08 23 38.78	+15 03 40.5	19.1 V	691
1997 EH ₁₅	1997 03 04.43519	12 25 35.34	-02 11 36.3	18.9 V	691	1997 EQ ₁₅	1997 03 10.13816	08 23 38.67	+15 03 49.2	18.9 V	691
1997 EH ₁₅	1997 03 10.36913	12 20 36.81	-02 17 45.9	18.5 V	691	1997 EQ ₁₅	1997 03 10.15989	08 23 38.45	+15 03 57.8	19.1 V	691
1997 EH ₁₅	1997 03 10.39001	12 20 35.68	-02 17 47.0	18.5 V	691	1997 ER ₁₅	* 1997 03 05.21065	10 12 59.98	+03 01 51.4	20.6 V	691
1997 EH ₁₅	1997 03 10.41093	12 20 34.53	-02 17 47.9	18.5 V	691	1997 ER ₁₅	1997 03 05.23165	10 12 57.59	+03 01 38.8	20.8 V	691
1997 EJ ₁₅	* 1997 03 04.39069	12 25 51.20	-02 17 12.8	16.3 V	691	1997 ER ₁₅	1997 03 05.25467	10 12 54.96	+03 01 25.3	21.6 V	691
1997 EJ ₁₅	1997 03 04.41416	12 25 49.97	-02 17 10.9	16.4 V	691	1997 ER ₁₅	1997 03 10.19347	10 04 06.42	+02 13 05.2	20.7 V	691
1997 EJ ₁₅	1997 03 04.43535	12 25 48.87	-02 17 09.3	16.5 V	691	1997 ER ₁₅	1997 03 10.21502	10 04 04.13	+02 12 53.0	20.6 V	691
1997 EJ ₁₅	1997 03 10.36906	12 20 31.13	-02 06 46.4	16.3 V	691	1997 ES ₁₅	* 1997 03 05.40486	12 08 39.41	-02 39 38.9	20.5 V	691
1997 EJ ₁₅	1997 03 10.38994	12 20 29.87	-02 06 43.8	16.4 V	691	1997 ES ₁₅	1997 03 05.42594	12 08 38.50	-02 39 34.3	20.5 V	691
1997 EJ ₁₅	1997 03 10.41086	12 20 28.60	-02 06 41.1	16.3 V	691	1997 ES ₁₅	1997 03 05.44697	12 08 37.60	-02 39 30.0	20.1 V	691
1997 EK ₁₅	* 1997 03 04.39189	12 27 35.02	-02 08 49.6	19.7 V	691	1997 ES ₁₅	1997 03 10.35873	12 05 06.34	-02 22 10.7	20.3 V	691
1997 EK ₁₅	1997 03 04.41536	12 27 33.91	-02 08 52.8	19.7 V	691	1997 ES ₁₅	1997 03 10.37964	12 05 05.38	-02 22 05.7	20.1 V	691
1997 EK ₁₅	1997 03 04.43655	12 27 32.90	-02 08 55.8	19.7 V	691	1997 ES ₁₅	1997 03 10.40057	12 05 04.43	-02 22 01.3	20.5 V	691
1997 EK ₁₅	1997 03 10.37054	12 22 39.33	-02 20 47.2	19.5 V	691	1997 ET ₁₅	* 1997 03 05.40507	12 08 57.57	-02 55 18.8	18.1 V	691
1997 EK ₁₅	1997 03 10.39142	12 22 38.15	-02 20 49.9	19.5 V	691	1997 ET ₁₅	1997 03 05.42615	12 08 56.62	-02 55 11.1	18.1 V	691
1997 EK ₁₅	1997 03 10.41234	12 22 36.97	-02 20 51.8	19.4 V	691	1997 ET ₁₅	1997 03 05.44718	12 08 55.66	-02 55 03.6	18.2 V	691
1997 EL ₁₅	* 1997 03 04.39350	12 29 54.49	-02 15 09.5	21.2 V	691	1997 ET ₁₅	1997 03 10.35875	12 05 09.44	-02 24 07.1	18.1 V	691
1997 EL ₁₅	1997 03 04.41697	12 29 53.48	-02 15 10.8	21.4 V	691	1997 ET ₁₅	1997 03 10.37966	12 05 08.39	-02 23 58.6	18.1 V	691
1997 EL ₁₅	1997 03 04.43816	12 29 52.60	-02 15 11.3	21.6 V	691	1997 ET ₁₅	1997 03 10.40058	12 05 07.35	-02 23 50.4	18.0 V	691
1997 EL ₁₅	1997 03 10.37253	12 25 31.04	-02 17 07.0	21.3 V	691	1997 EU ₁₅	* 1997 03 05.40616	12 10 31.70	-02 36 49.7	18.7 V	691
1997 EL ₁₅	1997 03 10.39340	12 25 29.97	-02 17 08.1	21.4 V	691	1997 EU ₁₅	1997 03 05.42724	12 10 30.81	-02 36 43.7	18.6 V	691
1997 EL ₁₅	1997 03 10.41432	12 25 28.91	-02 17 07.6	21.0 V	691	1997 EU ₁₅	1997 03 05.44827	12 10 29.92	-02 36 37.9	18.6 V	691
1997 EM ₁₅	* 1997 03 04.39391	12 30 29.42	-02 23 26.7	18.7 V	691	1997 EU ₁₅	1997 03 10.35970	12 07 00.38	-02 12 46.7	18.5 V	691
1997 EM ₁₅	1997 03 04.41737	12 30 28.26	-02 23 25.0	18.5 V	691	1997 EU ₁₅	1997 03 10.38058	12 06 59.41	-02 12 40.2	18.5 V	691
1997 EM ₁₅	1997 03 04.43856	12 30 27.24	-02 23 23.5	18.7 V	691	1997 EU ₁₅	1997 03 10.40150	12 06 58.47	-02 12 34.1	18.4 V	691
1997 EM ₁₅	1997 03 10.37246	12 25 25.48	-02 13 37.2	18.4 V	691	1997 EV ₁₅	* 1997 03 05.40625	12 10 39.83	-02 31 52.7	18.7 V	691
1997 EM ₁₅	1997 03 10.39334	12 25 24.28	-02 13 34.8	18.4 V	691	1997 EV ₁₅	1997 03 05.42733	12 10 38.86	-02 31 46.7	18.6 V	691
1997 EM ₁₅	1997 03 10.41426	12 25 23.07	-02 13 32.1	18.5 V	691	1997 EV ₁₅	1997 03 05.44836	12 10 37.86	-02 31 41.6	18.4 V	691

1997 EV ₁₅	1997 03 10.35957	12 06 48.88	-02 08 08.4	18.6 V	691	1997 EE ₁₆	1997 03 05.45269	12 16 52.46	-02 37 42.7	19.5 V	691
1997 EV ₁₅	1997 03 10.38045	12 06 47.80	-02 08 01.9	18.6 V	691	1997 EE ₁₆	1997 03 10.36372	12 12 48.09	-02 03 43.0	19.3 V	691
1997 EV ₁₅	1997 03 10.40137	12 06 46.75	-02 07 55.8	18.5 V	691	1997 EE ₁₆	1997 03 10.38460	12 12 46.95	-02 03 34.4	19.5 V	691
1997 EW ₁₅	* 1997 03 05.40645	12 10 57.13	-02 46 30.0	19.4 V	691	1997 EE ₁₆	1997 03 10.40551	12 12 45.82	-02 03 25.3	19.4 V	691
1997 EW ₁₅	1997 03 05.42753	12 10 55.94	-02 46 25.2	19.2 V	691	1997 EE ₁₆	1997 03 13.41515	12 10 04.47	-01 41 05.3	19.5 V	691
1997 EW ₁₅	1997 03 05.44856	12 10 54.74	-02 46 20.6	19.4 V	691	1997 EE ₁₆	1997 03 13.43680	12 10 03.26	-01 40 55.6	19.1 V	691
1997 EW ₁₅	1997 03 10.35915	12 06 12.75	-02 27 00.5	19.4 V	691	1997 EE ₁₆	1997 03 13.45860	12 10 02.03	-01 40 45.9	19.2 V	691
1997 EW ₁₅	1997 03 10.38002	12 06 11.46	-02 26 55.1	19.3 V	691	1997 EF ₁₆	* 1997 03 05.41094	12 17 26.46	-02 42 40.7	20.6 V	691
1997 EW ₁₅	1997 03 10.40095	12 06 10.18	-02 26 49.8	19.2 V	691	1997 EF ₁₆	1997 03 05.43203	12 17 25.72	-02 42 32.1	20.3 V	691
1997 EX ₁₅	* 1997 03 05.40715	12 11 58.15	-02 41 58.8	20.9 V	691	1997 EF ₁₆	1997 03 05.45306	12 17 24.97	-02 42 23.9	20.3 V	691
1997 EX ₁₅	1997 03 05.42823	12 11 57.18	-02 41 52.1	20.8 V	691	1997 EF ₁₆	1997 03 10.36487	12 14 28.28	-02 08 28.9	20.4 V	691
1997 EX ₁₅	1997 03 05.44927	12 11 56.27	-02 41 46.2	20.7 V	691	1997 EF ₁₆	1997 03 10.38575	12 14 27.44	-02 08 20.2	20.6 V	691
1997 EX ₁₅	1997 03 10.36052	12 08 11.41	-02 16 49.7	20.7 V	691	1997 EF ₁₆	1997 03 10.40668	12 14 26.62	-02 08 11.2	20.3 V	691
1997 EX ₁₅	1997 03 10.38140	12 08 10.47	-02 16 45.0	19.8 V	691	1997 EG ₁₆	* 1997 03 05.41257	12 19 47.71	-02 33 59.7	20.7 V	691
1997 EX ₁₅	1997 03 10.40232	12 08 09.37	-02 16 36.5	20.6 V	691	1997 EG ₁₆	1997 03 05.43365	12 19 46.81	-02 33 53.8	20.8 V	691
1997 EY ₁₅	* 1997 03 05.40775	12 12 50.12	-02 37 18.5	21.0 V	691	1997 EG ₁₆	1997 03 05.45469	12 19 46.00	-02 33 47.6	20.5 V	691
1997 EY ₁₅	1997 03 05.42883	12 12 49.24	-02 37 14.0	20.8 V	691	1997 EG ₁₆	1997 03 10.36624	12 16 26.24	-02 09 44.4	20.7 V	691
1997 EY ₁₅	1997 03 05.44987	12 12 48.38	-02 37 09.6	20.7 V	691	1997 EG ₁₆	1997 03 10.38712	12 16 25.29	-02 09 38.0	20.6 V	691
1997 EY ₁₅	1997 03 10.36137	12 09 24.71	-02 19 17.6	20.8 V	691	1997 EG ₁₆	1997 03 10.40804	12 16 24.38	-02 09 31.5	20.7 V	691
1997 EY ₁₅	1997 03 10.38225	12 09 23.78	-02 19 12.2	20.5 V	691	1997 EG ₁₆	1997 03 13.41803	12 14 13.78	-01 53 49.3	20.6 V	691
1997 EY ₁₅	1997 03 10.40317	12 09 22.84	-02 19 08.2	20.3 V	691	1997 EG ₁₆	1997 03 13.43968	12 14 12.77	-01 53 42.4	20.3 V	691
1997 EZ ₁₅	* 1997 03 05.40810	12 13 20.07	-02 42 03.6	20.5 V	691	1997 EG ₁₆	1997 03 13.46148	12 14 11.79	-01 53 35.4	20.4 V	691
1997 EZ ₁₅	1997 03 05.42918	12 13 18.93	-02 41 58.9	20.3 V	691	1997 EH ₁₆	* 1997 03 05.41352	12 21 10.10	-02 43 17.0	20.7 V	691
1997 EZ ₁₅	1997 03 05.45021	12 13 17.79	-02 41 54.2	20.2 V	691	1997 EH ₁₆	1997 03 05.43461	12 21 09.25	-02 43 12.4	21.2 V	691
1997 EZ ₁₅	1997 03 10.36095	12 08 48.62	-02 22 16.5	20.7 V	691	1997 EH ₁₆	1997 03 05.45564	12 21 08.41	-02 43 07.0	20.8 V	691
1997 EZ ₁₅	1997 03 10.38183	12 08 47.36	-02 22 11.0	20.5 V	691	1997 EH ₁₆	1997 03 10.36712	12 17 43.17	-02 22 50.9	21.2 V	691
1997 EZ ₁₅	1997 03 10.40275	12 08 46.13	-02 22 06.1	20.2 V	691	1997 EH ₁₆	1997 03 10.38800	12 17 42.23	-02 22 45.5	21.3 V	691
1997 EA ₁₆	* 1997 03 05.40841	12 13 47.31	-02 47 10.1	21.4 V	691	1997 EH ₁₆	1997 03 10.40893	12 17 41.31	-02 22 40.0	20.9 V	691
1997 EA ₁₆	1997 03 05.45052	12 13 45.10	-02 46 56.1	21.1 V	691	1997 EJ ₁₆	* 1997 03 05.41391	12 21 43.68	-02 36 50.9	20.3 V	691
1997 EA ₁₆	1997 03 10.36138	12 09 25.11	-02 18 13.3	21.7 V	691	1997 EJ ₁₆	1997 03 05.43499	12 21 42.50	-02 36 45.9	20.2 V	691
1997 EA ₁₆	1997 03 10.38225	12 09 23.92	-02 18 05.8	21.6 V	691	1997 EJ ₁₆	1997 03 05.45602	12 21 41.30	-02 36 40.7	20.0 V	691
1997 EA ₁₆	1997 03 10.40317	12 09 22.77	-02 17 58.6	21.2 V	691	1997 EJ ₁₆	1997 03 10.36664	12 17 01.08	-02 16 03.8	20.3 V	691
1997 EB ₁₆	* 1997 03 05.40882	12 14 22.42	-02 33 29.7	20.6 V	691	1997 EJ ₁₆	1997 03 10.38751	12 16 59.81	-02 15 58.0	20.0 V	691
1997 EB ₁₆	1997 03 05.42990	12 14 21.46	-02 33 22.6	20.8 V	691	1997 EJ ₁₆	1997 03 10.40843	12 16 58.53	-02 15 52.5	20.0 V	691
1997 EB ₁₆	1997 03 05.45093	12 14 20.44	-02 33 15.5	20.7 V	691	1997 EK ₁₆	* 1997 03 05.41395	12 21 46.56	-02 42 56.3	19.9 V	691
1997 EB ₁₆	1997 03 10.36205	12 10 23.50	-02 04 01.7	20.7 V	691	1997 EK ₁₆	1997 03 05.43502	12 21 45.52	-02 42 49.0	19.8 V	691
1997 EB ₁₆	1997 03 10.38293	12 10 22.39	-02 03 53.5	21.0 V	691	1997 EK ₁₆	1997 03 05.45606	12 21 44.48	-02 42 41.4	19.9 V	691
1997 EB ₁₆	1997 03 10.40385	12 10 21.31	-02 03 46.2	20.9 V	691	1997 EK ₁₆	1997 03 10.36708	12 17 39.55	-02 12 54.7	19.9 V	691
1997 EC ₁₆	* 1997 03 05.41010	12 16 13.46	-02 45 28.8	18.9 V	691	1997 EK ₁₆	1997 03 10.38796	12 17 38.43	-02 12 46.9	19.8 V	691
1997 EC ₁₆	1997 03 05.43118	12 16 12.44	-02 45 22.0	19.0 V	691	1997 EK ₁₆	1997 03 10.40888	12 17 37.32	-02 12 39.1	19.8 V	691
1997 EC ₁₆	1997 03 05.45221	12 16 11.40	-02 45 15.3	19.0 V	691	1997 EK ₁₆	1997 03 13.41854	12 14 58.47	-01 53 22.5	20.0 V	691
1997 EC ₁₆	1997 03 10.36327	12 12 09.18	-02 17 57.8	19.0 V	691	1997 EK ₁₆	1997 03 13.44020	12 14 57.26	-01 53 14.4	19.7 V	691
1997 EC ₁₆	1997 03 10.38415	12 12 08.03	-02 17 50.6	18.8 V	691	1997 EK ₁₆	1997 03 13.46199	12 14 56.09	-01 53 05.7	19.7 V	691
1997 EC ₁₆	1997 03 10.40507	12 12 06.95	-02 17 43.3	18.9 V	691	1997 EL ₁₆	* 1997 03 05.41396	12 21 47.47	-02 37 14.2	18.9 V	691
1997 ED ₁₆	* 1997 03 05.41036	12 16 35.62	-02 48 44.4	21.3 V	691	1997 EL ₁₆	1997 03 05.43504	12 21 46.62	-02 37 08.2	18.9 V	691
1997 ED ₁₆	1997 03 05.43144	12 16 34.84	-02 48 37.9	21.0 V	691	1997 EL ₁₆	1997 03 05.45607	12 21 45.79	-02 37 02.2	19.0 V	691
1997 ED ₁₆	1997 03 05.45247	12 16 34.07	-02 48 31.8	20.9 V	691	1997 EL ₁₆	1997 03 10.36760	12 18 24.29	-02 11 36.2	18.9 V	691
1997 ED ₁₆	1997 03 10.36419	12 13 29.20	-02 22 35.1	21.1 V	691	1997 EL ₁₆	1997 03 10.38848	12 18 23.32	-02 11 29.4	18.9 V	691
1997 ED ₁₆	1997 03 10.38507	12 13 28.36	-02 22 28.3	21.3 V	691	1997 EL ₁₆	1997 03 10.40940	12 18 22.35	-02 11 22.4	18.8 V	691
1997 ED ₁₆	1997 03 10.40600	12 13 27.49	-02 22 21.0	21.2 V	691	1997 EL ₁₆	1997 03 13.41933	12 16 06.62	-01 54 22.4	18.8 V	691
1997 EE ₁₆	* 1997 03 05.41057	12 16 54.55	-02 37 59.3	19.7 V	691	1997 EL ₁₆	1997 03 13.44099	12 16 05.54	-01 54 15.1	18.7 V	691
1997 EE ₁₆	1997 03 05.43165	12 16 53.48	-02 37 50.7	19.5 V	691	1997 EL ₁₆	1997 03 13.46278	12 16 04.52	-01 54 07.5	18.7 V	691

1997 EM ₁₆	* 1997 03 05.41400	12 21 50.99	-02 31 41.7	20.6 V	691	1997 ET ₁₆	1997 03 05.44029	12 29 21.67	-02 50 43.7	20.7 V	691
1997 EM ₁₆	1997 03 05.43508	12 21 50.09	-02 31 33.9	20.4 V	691	1997 ET ₁₆	1997 03 05.46133	12 29 20.94	-02 50 38.0	21.0 V	691
1997 EM ₁₆	1997 03 05.45611	12 21 49.21	-02 31 27.2	20.2 V	691	1997 ET ₁₆	1997 03 10.37311	12 26 21.62	-02 29 44.4	20.7 V	691
1997 EM ₁₆	1997 03 10.36754	12 18 18.87	-02 02 27.2	20.5 V	691	1997 ET ₁₆	1997 03 10.39399	12 26 20.79	-02 29 39.3	20.7 V	691
1997 EM ₁₆	1997 03 10.38842	12 18 17.89	-02 02 19.3	20.3 V	691	1997 ET ₁₆	1997 03 10.41491	12 26 19.97	-02 29 33.6	20.9 V	691
1997 EM ₁₆	1997 03 10.40934	12 18 16.93	-02 02 12.0	20.1 V	691	1997 EU ₁₆	* 1997 03 05.43782	12 25 47.66	-02 34 23.7	20.6 V	691
1997 EM ₁₆	1997 03 13.41924	12 15 58.72	-01 43 18.9	20.3 V	691	1997 EU ₁₆	1997 03 05.45885	12 25 46.89	-02 34 19.1	20.7 V	691
1997 EM ₁₆	1997 03 13.44090	12 15 57.67	-01 43 10.9	20.2 V	691	1997 EU ₁₆	1997 03 10.37053	12 22 38.36	-02 14 34.8	21.5 V	691
1997 EM ₁₆	1997 03 13.46269	12 15 56.62	-01 43 02.8	20.1 V	691	1997 EU ₁₆	1997 03 10.39141	12 22 37.52	-02 14 30.0	21.3 V	691
1997 EN ₁₆	* 1997 03 05.41424	12 22 11.95	-02 50 30.2	21.5 V	691	1997 EU ₁₆	1997 03 10.41234	12 22 36.65	-02 14 24.3	21.0 V	691
1997 EN ₁₆	1997 03 05.43532	12 22 11.07	-02 50 24.9	21.0 V	691	1997 EV ₁₆	* 1997 03 07.37157	12 14 28.24	-01 57 44.1	20.5 V	691
1997 EN ₁₆	1997 03 05.45635	12 22 10.15	-02 50 20.0	21.1 V	691	1997 EV ₁₆	1997 03 07.39255	12 14 26.18	-01 57 55.0	20.7 V	691
1997 EN ₁₆	1997 03 10.36771	12 18 33.86	-02 29 16.5	21.2 V	691	1997 EV ₁₆	1997 03 10.36152	12 09 37.60	-02 23 11.8	20.7 V	691
1997 EN ₁₆	1997 03 10.38859	12 18 32.83	-02 29 10.7	21.0 V	691	1997 EV ₁₆	1997 03 10.38238	12 09 35.44	-02 23 22.3	20.9 V	691
1997 EN ₁₆	1997 03 10.40951	12 18 31.77	-02 29 05.0	21.1 V	691	1997 EV ₁₆	1997 03 10.40329	12 09 33.32	-02 23 32.8	20.4 V	691
1997 EO ₁₆	* 1997 03 05.41434	12 22 21.10	-02 43 19.2	19.9 V	691	1997 EV ₁₆	1997 03 11.41320	12 07 51.52	-02 32 02.8	20.4 V	691
1997 EO ₁₆	1997 03 05.43543	12 22 20.26	-02 43 13.5	19.8 V	691	1997 EV ₁₆	1997 03 11.46159	12 07 46.52	-02 32 27.2	20.7 V	691
1997 EO ₁₆	1997 03 05.45646	12 22 19.46	-02 43 08.3	19.6 V	691	1997 EV ₁₆	1997 03 11.48280	12 07 44.32	-02 32 38.0	20.1 V	691
1997 EO ₁₆	1997 03 10.36805	12 19 03.06	-02 19 58.2	20.0 V	691	1997 EW ₁₆	* 1997 03 08.24920	10 00 54.97	+01 16 56.5	18.2 V	691
1997 EO ₁₆	1997 03 10.38893	12 19 02.15	-02 19 52.2	19.8 V	691	1997 EW ₁₆	1997 03 08.27013	10 00 53.81	+01 17 07.0	18.0 V	691
1997 EO ₁₆	1997 03 10.40985	12 19 01.26	-02 19 46.1	19.8 V	691	1997 EW ₁₆	1997 03 08.29110	10 00 52.69	+01 17 16.1	17.9 V	691
1997 EP ₁₆	* 1997 03 05.41493	12 23 12.12	-02 43 16.6	21.1 V	691	1997 EW ₁₆	1997 03 10.25492	09 59 12.45	+01 32 34.3	18.0 V	691
1997 EP ₁₆	1997 03 05.43601	12 23 11.17	-02 43 07.2	21.0 V	691	1997 EW ₁₆	1997 03 10.28818	09 59 10.70	+01 32 50.0	17.7 V	691
1997 EP ₁₆	1997 03 05.45705	12 23 10.22	-02 42 57.7	20.6 V	691	1997 EW ₁₆	1997 03 10.31598	09 59 09.26	+01 33 03.1	17.6 V	691
1997 EP ₁₆	1997 03 10.36833	12 19 27.26	-02 04 31.1	20.3 V	691	1997 EX ₁₆	* 1997 03 08.25069	10 03 03.76	+01 19 27.6	21.0 V	691
1997 EP ₁₆	1997 03 10.38920	12 19 26.16	-02 04 20.8	20.7 V	691	1997 EX ₁₆	1997 03 08.27162	10 03 02.96	+01 19 37.9	21.4 V	691
1997 EP ₁₆	1997 03 10.41012	12 19 25.11	-02 04 10.8	20.9 V	691	1997 EX ₁₆	1997 03 08.29259	10 03 02.10	+01 19 48.0	21.1 V	691
1997 EQ ₁₆	* 1997 03 05.41513	12 23 28.80	-02 56 52.1	19.1 V	691	1997 EX ₁₆	1997 03 10.25668	10 01 51.18	+01 35 35.2	20.8 V	691
1997 EQ ₁₆	1997 03 05.43621	12 23 28.05	-02 56 42.0	19.2 V	691	1997 EX ₁₆	1997 03 10.28991	10 01 49.93	+01 35 51.4	21.0 V	691
1997 EQ ₁₆	1997 03 05.45724	12 23 27.31	-02 56 31.5	19.1 V	691	1997 EX ₁₆	1997 03 10.31771	10 01 48.90	+01 36 04.9	20.9 V	691
1997 EQ ₁₆	1997 03 10.36907	12 20 31.55	-02 14 17.4	19.4 V	691	1997 EY ₁₆	* 1997 03 08.31993	10 11 46.88	+01 55 10.6	20.2 V	691
1997 EQ ₁₆	1997 03 10.38995	12 20 30.72	-02 14 06.2	19.3 V	691	1997 EY ₁₆	1997 03 08.34081	10 11 45.83	+01 55 18.8	20.1 V	691
1997 EQ ₁₆	1997 03 10.41087	12 20 29.86	-02 13 54.8	19.0 V	691	1997 EY ₁₆	1997 03 08.36181	10 11 44.78	+01 55 26.8	20.3 V	691
1997 EQ ₁₆	1997 03 13.42099	12 18 30.63	-01 46 21.7	19.1 V	691	1997 EY ₁₆	1997 03 10.19776	10 10 18.05	+02 07 35.3	19.9 V	691
1997 EQ ₁₆	1997 03 13.44265	12 18 29.71	-01 46 09.4	19.0 V	691	1997 EY ₁₆	1997 03 10.24024	10 10 15.98	+02 07 51.9	19.7 V	691
1997 EQ ₁₆	1997 03 13.46445	12 18 28.79	-01 45 57.1	19.0 V	691	1997 EZ ₁₆	* 1997 03 08.32007	10 11 58.92	+02 00 03.6	19.5 V	691
1997 ER ₁₆	* 1997 03 05.41697	12 26 08.15	-02 45 07.4	21.0 V	691	1997 EZ ₁₆	1997 03 08.34095	10 11 57.97	+02 00 12.8	19.0 V	691
1997 ER ₁₆	1997 03 05.43804	12 26 07.17	-02 45 02.2	20.7 V	691	1997 EZ ₁₆	1997 03 08.36195	10 11 57.05	+02 00 21.6	19.4 V	691
1997 ER ₁₆	1997 03 05.45908	12 26 06.17	-02 44 56.4	21.2 V	691	1997 EZ ₁₆	1997 03 10.19802	10 10 40.12	+02 13 40.9	19.0 V	691
1997 ER ₁₆	1997 03 10.37025	12 22 13.53	-02 21 17.2	20.7 V	691	1997 EZ ₁₆	1997 03 10.24050	10 10 38.26	+02 13 59.6	19.0 V	691
1997 ER ₁₆	1997 03 10.39112	12 22 12.46	-02 21 11.3	21.0 V	691	1997 EA ₁₇	* 1997 03 09.23437	10 01 18.37	+01 59 53.2	21.3 V	691
1997 ER ₁₆	1997 03 10.41204	12 22 11.38	-02 21 04.8	20.6 V	691	1997 EA ₁₇	1997 03 09.25536	10 01 17.46	+02 00 04.9	21.0 V	691
1997 ES ₁₆	* 1997 03 05.41900	12 29 04.73	-02 40 01.1	21.1 V	691	1997 EA ₁₇	1997 03 09.27625	10 01 16.54	+02 00 15.6	21.3 V	691
1997 ES ₁₆	1997 03 05.44009	12 29 03.98	-02 39 54.0	21.0 V	691	1997 EA ₁₇	1997 03 10.19107	10 00 38.42	+02 08 27.0	21.1 V	691
1997 ES ₁₆	1997 03 05.46112	12 29 03.25	-02 39 47.2	20.8 V	691	1997 EA ₁₇	1997 03 10.21264	10 00 37.49	+02 08 38.6	21.6 V	691
1997 ES ₁₆	1997 03 10.37296	12 26 08.91	-02 10 45.7	20.7 V	691	1997 EA ₁₇	1997 03 10.23355	10 00 36.60	+02 08 49.9	21.4 V	691
1997 ES ₁₆	1997 03 10.39384	12 26 08.08	-02 10 38.6	20.7 V	691	1997 EB ₁₇	* 1997 03 09.24302	10 13 47.32	+01 53 11.2	20.4 V	691
1997 ES ₁₆	1997 03 10.41477	12 26 07.25	-02 10 30.4	20.6 V	691	1997 EB ₁₇	1997 03 09.26401	10 13 46.51	+01 53 25.2	20.4 V	691
1997 ES ₁₆	1997 03 13.42491	12 24 10.21	-01 51 33.9	20.6 V	691	1997 EB ₁₇	1997 03 09.28490	10 13 45.69	+01 53 39.5	20.3 V	691
1997 ES ₁₆	1997 03 13.44657	12 24 09.32	-01 51 25.9	20.5 V	691	1997 EB ₁₇	1997 03 10.19978	10 13 13.11	+02 03 55.6	20.4 V	691
1997 ES ₁₆	1997 03 13.46837	12 24 08.44	-01 51 17.0	20.8 V	691	1997 EB ₁₇	1997 03 10.24227	10 13 11.52	+02 04 24.2	20.3 V	691
1997 ET ₁₆	* 1997 03 05.41921	12 29 22.40	-02 50 47.9	20.6 V	691	1997 EC ₁₇	* 1997 03 09.24401	10 15 13.66	+01 59 10.4	20.0 V	691

1997 EC ₁₇	1997 03 09.26501	10 15 12.73	+01 59 13.5	20.6 V	691	1997 EM ₁₇	1997 03 09.47481	14 23 29.33	+03 18 02.6	19.5 V	691
1997 EC ₁₇	1997 03 09.28590	10 15 11.77	+01 59 17.2	20.4 V	691	1997 EM ₁₇	1997 03 09.49378	14 23 28.91	+03 18 05.8	19.6 V	691
1997 EC ₁₇	1997 03 10.20069	10 14 31.65	+02 01 39.1	20.6 V	691	1997 EM ₁₇	1997 03 10.44582	14 23 08.58	+03 20 50.3	19.5 V	691
1997 EC ₁₇	1997 03 10.22225	10 14 30.68	+02 01 42.2	20.3 V	691	1997 EM ₁₇	1997 03 10.47329	14 23 07.89	+03 20 54.7	19.6 V	691
1997 EC ₁₇	1997 03 10.24317	10 14 29.72	+02 01 45.5	20.4 V	691	1997 EM ₁₇	1997 03 10.50081	14 23 07.23	+03 20 59.8	19.5 V	691
1997 ED ₁₇	* 1997 03 09.24515	10 16 52.39	+01 57 21.8	19.8 V	691	1997 EN ₁₇	* 1997 03 09.45211	14 24 36.48	+03 27 48.4	20.1 V	691
1997 ED ₁₇	1997 03 09.26614	10 16 51.31	+01 57 31.9	19.3 V	691	1997 EN ₁₇	1997 03 09.47558	14 24 36.16	+03 27 53.1	20.2 V	691
1997 ED ₁₇	1997 03 09.28703	10 16 50.17	+01 57 42.5	19.3 V	691	1997 EN ₁₇	1997 03 09.49456	14 24 35.87	+03 27 56.9	20.4 V	691
1997 ED ₁₇	1997 03 10.20177	10 16 05.06	+02 05 10.8	20.0 V	691	1997 EN ₁₇	1997 03 10.43234	14 24 23.42	+03 31 06.7	21.3 V	691
1997 ED ₁₇	1997 03 10.22333	10 16 03.95	+02 05 21.5	19.9 V	691	1997 EN ₁₇	1997 03 10.45998	14 24 22.98	+03 31 11.8	21.0 V	691
1997 ED ₁₇	1997 03 10.24425	10 16 02.87	+02 05 31.7	19.7 V	691	1997 EH ₁₈	* 1997 03 03.23808	10 04 17.56	+01 50 22.2	19.6 V	691
1997 EE ₁₇	* 1997 03 09.24941	10 23 01.37	+01 58 18.6	20.9 V	691	1997 EH ₁₈	1997 03 03.25960	10 04 16.66	+01 50 31.7	19.6 V	691
1997 EE ₁₇	1997 03 09.27040	10 23 00.25	+01 58 29.1	20.7 V	691	1997 EH ₁₈	1997 03 03.28565	10 04 15.54	+01 50 42.5	19.8 V	691
1997 EE ₁₇	1997 03 09.29129	10 22 59.09	+01 58 39.8	20.8 V	691	1997 EH ₁₈	1997 03 11.21053	09 59 13.68	+02 47 33.2	20.1 V	691
1997 EE ₁₇	1997 03 10.20601	10 22 12.43	+02 06 30.1	20.9 V	691	1997 EH ₁₈	1997 03 11.23215	09 59 12.87	+02 47 42.7	19.8 V	691
1997 EE ₁₇	1997 03 10.22757	10 22 11.30	+02 06 41.5	20.9 V	691	1997 EH ₁₈	1997 03 11.25481	09 59 12.06	+02 47 52.3	19.7 V	691
1997 EE ₁₇	1997 03 10.24849	10 22 10.12	+02 06 50.5	20.5 V	691	1997 EJ ₁₈	* 1997 03 03.24361	10 12 16.27	+01 45 23.6	19.4 V	691
1997 EF ₁₇	* 1997 03 09.29968	10 15 39.15	+07 25 04.5	19.1 V	691	1997 EJ ₁₈	1997 03 03.26512	10 12 15.20	+01 45 32.6	19.5 V	691
1997 EF ₁₇	1997 03 09.34184	10 15 37.00	+07 25 19.0	19.3 V	691	1997 EJ ₁₈	1997 03 03.29117	10 12 13.91	+01 45 43.3	19.8 V	691
1997 EF ₁₇	1997 03 10.26256	10 14 53.17	+07 30 42.7	19.3 V	691	1997 EJ ₁₈	1997 03 11.21512	10 06 18.23	+02 41 15.3	19.7 V	691
1997 EF ₁₇	1997 03 10.29577	10 14 51.53	+07 30 54.1	19.4 V	691	1997 EJ ₁₈	1997 03 11.23673	10 06 17.28	+02 41 24.3	19.9 V	691
1997 EF ₁₇	1997 03 10.32437	10 14 50.11	+07 31 04.0	19.3 V	691	1997 EJ ₁₈	1997 03 11.25939	10 06 16.31	+02 41 33.6	19.8 V	691
1997 EG ₁₇	* 1997 03 09.29998	10 16 04.96	+07 25 29.2	20.7 V	691	1997 EK ₁₈	* 1997 03 03.25167	10 23 54.36	+01 52 48.2	20.7 V	691
1997 EG ₁₇	1997 03 09.32115	10 16 03.88	+07 25 36.9	20.8 V	691	1997 EK ₁₈	1997 03 03.27317	10 23 52.96	+01 52 54.7	20.6 V	691
1997 EG ₁₇	1997 03 09.34214	10 16 02.79	+07 25 44.5	21.2 V	691	1997 EK ₁₈	1997 03 03.29922	10 23 51.20	+01 53 02.9	20.6 V	691
1997 EG ₁₇	1997 03 10.26286	10 15 18.51	+07 31 26.8	20.9 V	691	1997 EK ₁₈	1997 03 11.22162	10 15 41.35	+02 35 50.6	21.1 V	691
1997 EG ₁₇	1997 03 10.29607	10 15 16.83	+07 31 39.3	21.1 V	691	1997 EK ₁₈	1997 03 11.24323	10 15 40.04	+02 35 57.7	20.9 V	691
1997 EG ₁₇	1997 03 10.32466	10 15 15.40	+07 31 49.5	21.4 V	691	1997 EK ₁₈	1997 03 11.26588	10 15 38.64	+02 36 05.4	20.8 V	691
1997 EH ₁₇	* 1997 03 09.30046	10 16 46.76	+07 25 56.9	20.8 V	691	1997 EL ₁₈	* 1997 03 03.25244	10 25 01.14	+01 51 43.6	19.4 V	691
1997 EH ₁₇	1997 03 09.32163	10 16 45.99	+07 26 11.4	20.8 V	691	1997 EL ₁₈	1997 03 03.27395	10 24 59.89	+01 51 52.6	19.5 V	691
1997 EH ₁₇	1997 03 09.34263	10 16 45.20	+07 26 25.5	20.6 V	691	1997 EL ₁₈	1997 03 03.29999	10 24 58.38	+01 52 03.6	19.5 V	691
1997 EH ₁₇	1997 03 10.26349	10 16 13.59	+07 36 38.4	20.9 V	691	1997 EL ₁₈	1997 03 11.22327	10 18 04.50	+02 46 52.1	20.1 V	691
1997 EH ₁₇	1997 03 10.29671	10 16 12.39	+07 36 59.8	20.6 V	691	1997 EL ₁₈	1997 03 11.24488	10 18 03.41	+02 47 01.1	20.1 V	691
1997 EH ₁₇	1997 03 10.32530	10 16 11.35	+07 37 19.4	21.0 V	691	1997 EL ₁₈	1997 03 11.26754	10 18 02.26	+02 47 10.1	20.0 V	691
1997 EJ ₁₇	* 1997 03 09.30279	10 20 08.51	+07 29 02.5	20.5 V	691	1997 EM ₁₈	* 1997 03 03.31132	10 15 59.43	+07 00 19.6	18.3 V	691
1997 EJ ₁₇	1997 03 09.32396	10 20 07.32	+07 29 08.2	20.3 V	691	1997 EM ₁₈	1997 03 03.33320	10 15 58.53	+07 00 34.9	18.1 V	691
1997 EJ ₁₇	1997 03 09.34495	10 20 06.14	+07 29 13.4	20.6 V	691	1997 EM ₁₈	1997 03 03.35458	10 15 57.67	+07 00 49.9	18.3 V	691
1997 EJ ₁₇	1997 03 10.26562	10 19 17.60	+07 33 01.8	20.5 V	691	1997 EM ₁₈	1997 03 11.34302	10 11 07.76	+08 33 01.7	18.2 V	691
1997 EJ ₁₇	1997 03 10.29882	10 19 15.76	+07 33 10.0	20.3 V	691	1997 EM ₁₈	1997 03 11.36429	10 11 07.00	+08 33 15.9	18.2 V	691
1997 EJ ₁₇	1997 03 10.32741	10 19 14.16	+07 33 17.5	20.5 V	691	1997 EM ₁₈	1997 03 11.38608	10 11 06.20	+08 33 30.6	18.4 V	691
1997 EK ₁₇	* 1997 03 09.30293	10 20 20.47	+07 25 56.5	19.5 V	691	1997 EN ₁₈	* 1997 03 03.31573	10 22 21.49	+07 12 01.5	20.1 V	691
1997 EK ₁₇	1997 03 09.32410	10 20 19.43	+07 26 02.4	19.5 V	691	1997 EN ₁₈	1997 03 03.33761	10 22 20.55	+07 12 10.9	20.1 V	691
1997 EK ₁₇	1997 03 09.34509	10 20 18.42	+07 26 08.4	19.7 V	691	1997 EN ₁₈	1997 03 03.35899	10 22 19.63	+07 12 20.1	20.1 V	691
1997 EK ₁₇	1997 03 10.26582	10 19 35.08	+07 30 28.6	19.5 V	691	1997 EN ₁₈	1997 03 11.28061	10 16 59.89	+08 08 15.8	19.7 V	691
1997 EK ₁₇	1997 03 10.29903	10 19 33.48	+07 30 38.2	19.7 V	691	1997 EN ₁₈	1997 03 11.30205	10 16 59.03	+08 08 25.0	19.7 V	691
1997 EK ₁₇	1997 03 10.32762	10 19 32.10	+07 30 46.2	19.9 V	691	1997 EN ₁₈	1997 03 11.32463	10 16 58.13	+08 08 33.9	19.7 V	691
1997 EL ₁₇	* 1997 03 09.44964	14 21 02.69	+03 24 28.0	20.4 V	691	1997 EO ₁₈	* 1997 03 03.31738	10 24 44.39	+07 27 13.0	20.1 V	691
1997 EL ₁₇	1997 03 09.49209	14 21 02.09	+03 24 43.0	21.1 V	691	1997 EO ₁₈	1997 03 03.33925	10 24 43.21	+07 27 19.9	20.3 V	691
1997 EL ₁₇	1997 03 10.42986	14 20 48.93	+03 30 21.5	21.2 V	691	1997 EO ₁₈	1997 03 03.36063	10 24 42.08	+07 27 26.1	20.1 V	691
1997 EL ₁₇	1997 03 10.45750	14 20 48.51	+03 30 31.7	20.8 V	691	1997 EO ₁₈	1997 03 11.28145	10 18 12.80	+08 07 07.6	19.8 V	691
1997 EL ₁₇	1997 03 10.48537	14 20 48.07	+03 30 42.0	20.7 V	691	1997 EO ₁₈	1997 03 11.30289	10 18 11.77	+08 07 14.2	20.2 V	691
1997 EM ₁₇	* 1997 03 09.45134	14 23 29.82	+03 17 58.6	19.5 V	691	1997 EO ₁₈	1997 03 11.32546	10 18 10.68	+08 07 20.2	20.1 V	691

1997 EP ₁₈	* 1997 03 03.31886	10 26 52.36	+07 25 10.2	20.5 V	691	1997 EX ₁₈	1997 03 03.41139	10 20 04.36	+07 56 45.9	20.2 V	691
1997 EP ₁₈	1997 03 03.34073	10 26 51.45	+07 25 19.2	20.5 V	691	1997 EX ₁₈	1997 03 03.43255	10 20 03.18	+07 56 50.5	20.5 V	691
1997 EP ₁₈	1997 03 03.36212	10 26 50.54	+07 25 27.8	20.2 V	691	1997 EX ₁₈	1997 03 11.27824	10 13 34.26	+08 23 58.1	20.6 V	691
1997 EP ₁₈	1997 03 11.28381	10 21 37.39	+08 17 24.8	20.4 V	691	1997 EX ₁₈	1997 03 11.29967	10 13 33.22	+08 24 02.4	20.3 V	691
1997 EP ₁₈	1997 03 11.30525	10 21 36.54	+08 17 33.3	20.6 V	691	1997 EX ₁₈	1997 03 11.32225	10 13 32.13	+08 24 06.3	20.5 V	691
1997 EP ₁₈	1997 03 11.32783	10 21 35.66	+08 17 41.9	20.4 V	691	1997 EY ₁₈	* 1997 03 03.39066	10 21 11.82	+07 48 16.6	18.3 V	691
1997 EQ ₁₈	* 1997 03 03.31932	10 27 32.28	+07 19 51.7	19.0 V	691	1997 EY ₁₈	1997 03 03.41215	10 21 10.50	+07 48 25.9	18.2 V	691
1997 EQ ₁₈	1997 03 03.34119	10 27 30.99	+07 19 59.6	18.7 V	691	1997 EY ₁₈	1997 03 03.43331	10 21 09.19	+07 48 35.0	18.3 V	691
1997 EQ ₁₈	1997 03 03.36257	10 27 29.80	+07 20 09.3	19.0 V	691	1997 EY ₁₈	1997 03 11.34432	10 13 32.72	+08 44 11.6	18.5 V	691
1997 EQ ₁₈	1997 03 11.28296	10 20 23.86	+08 12 43.4	19.0 V	691	1997 EY ₁₈	1997 03 11.36558	10 13 31.50	+08 44 20.1	18.5 V	691
1997 EQ ₁₈	1997 03 11.30440	10 20 22.72	+08 12 52.0	18.9 V	691	1997 EY ₁₈	1997 03 11.38736	10 13 30.27	+08 44 28.8	18.6 V	691
1997 EQ ₁₈	1997 03 11.32697	10 20 21.53	+08 13 00.4	19.0 V	691	1997 EZ ₁₈	* 1997 03 03.39096	10 21 37.47	+07 47 57.8	20.9 V	691
1997 ER ₁₈	* 1997 03 03.32299	10 32 49.72	+07 29 14.6	20.0 V	691	1997 EZ ₁₈	1997 03 03.41246	10 21 36.56	+07 48 06.6	20.4 V	691
1997 ER ₁₈	1997 03 03.34486	10 32 48.44	+07 29 25.1	19.9 V	691	1997 EZ ₁₈	1997 03 03.43361	10 21 35.60	+07 48 15.4	20.5 V	691
1997 ER ₁₈	1997 03 03.36623	10 32 47.21	+07 29 34.9	19.8 V	691	1997 EZ ₁₈	1997 03 11.34624	10 16 18.56	+08 43 29.1	20.9 V	691
1997 ER ₁₈	1997 03 03.39866	10 32 45.25	+07 29 49.4	19.6 V	691	1997 EZ ₁₈	1997 03 11.36750	10 16 17.73	+08 43 37.6	20.9 V	691
1997 ER ₁₈	1997 03 03.42015	10 32 44.01	+07 29 59.4	19.5 V	691	1997 EZ ₁₈	1997 03 11.38929	10 16 16.86	+08 43 46.4	21.0 V	691
1997 ER ₁₈	1997 03 03.44130	10 32 42.79	+07 30 09.3	19.7 V	691	1997 EA ₁₉	* 1997 03 03.39101	10 21 42.20	+07 52 17.6	19.3 V	691
1997 ER ₁₈	1997 03 11.28656	10 25 35.64	+08 29 06.0	20.5 V	691	1997 EA ₁₉	1997 03 03.41251	10 21 41.30	+07 52 26.9	19.1 V	691
1997 ER ₁₈	1997 03 11.30800	10 25 34.48	+08 29 15.2	20.5 V	691	1997 EA ₁₉	1997 03 03.43367	10 21 40.41	+07 52 36.1	19.1 V	691
1997 ER ₁₈	1997 03 11.33057	10 25 33.28	+08 29 25.0	20.4 V	691	1997 EA ₁₉	1997 03 11.34636	10 16 29.18	+08 48 59.9	19.6 V	691
1997 ES ₁₈	* 1997 03 03.32474	10 35 21.52	+07 21 48.3	20.8 V	691	1997 EA ₁₉	1997 03 11.36763	10 16 28.37	+08 49 08.5	19.3 V	691
1997 ES ₁₈	1997 03 03.34661	10 35 20.40	+07 21 57.9	20.5 V	691	1997 EA ₁₉	1997 03 11.38941	10 16 27.50	+08 49 17.5	19.4 V	691
1997 ES ₁₈	1997 03 03.36799	10 35 19.35	+07 22 06.6	20.8 V	691	1997 EB ₁₉	* 1997 03 03.39122	10 21 59.94	+07 40 47.2	20.3 V	691
1997 ES ₁₈	1997 03 11.28896	10 29 03.41	+08 16 00.7	20.6 V	691	1997 EB ₁₉	1997 03 03.41271	10 21 58.58	+07 40 53.0	20.0 V	691
1997 ES ₁₈	1997 03 11.31040	10 29 02.40	+08 16 09.5	20.8 V	691	1997 EB ₁₉	1997 03 03.43386	10 21 57.22	+07 40 58.9	20.2 V	691
1997 ES ₁₈	1997 03 11.33297	10 29 01.37	+08 16 18.0	21.0 V	691	1997 EB ₁₉	1997 03 11.27865	10 14 10.29	+08 15 45.6	20.5 V	691
1997 ET ₁₈	* 1997 03 03.32606	10 37 16.03	+07 06 17.8	18.4 V	691	1997 EB ₁₉	1997 03 11.30009	10 14 09.05	+08 15 50.9	20.2 V	691
1997 ET ₁₈	1997 03 03.34793	10 37 14.88	+07 06 28.7	18.3 V	691	1997 EB ₁₉	1997 03 11.32266	10 14 07.75	+08 15 56.5	20.3 V	691
1997 ET ₁₈	1997 03 03.36931	10 37 13.74	+07 06 39.2	18.3 V	691	1997 EC ₁₉	* 1997 03 03.39221	10 23 26.04	+07 53 23.7	18.7 V	691
1997 ET ₁₈	1997 03 11.29013	10 30 44.57	+08 09 51.2	18.5 V	691	1997 EC ₁₉	1997 03 03.41370	10 23 24.88	+07 53 29.2	18.7 V	691
1997 ET ₁₈	1997 03 11.31157	10 30 43.52	+08 10 01.1	18.4 V	691	1997 EC ₁₉	1997 03 03.43486	10 23 23.75	+07 53 34.7	18.8 V	691
1997 ET ₁₈	1997 03 11.33414	10 30 42.44	+08 10 11.1	18.6 V	691	1997 EC ₁₉	1997 03 11.28051	10 16 51.67	+08 26 12.6	19.0 V	691
1997 EU ₁₈	* 1997 03 03.32636	10 37 42.35	+07 26 01.9	20.4 V	691	1997 EC ₁₉	1997 03 11.30195	10 16 50.62	+08 26 17.9	18.9 V	691
1997 EU ₁₈	1997 03 03.34824	10 37 41.19	+07 26 10.1	20.4 V	691	1997 EC ₁₉	1997 03 11.32453	10 16 49.51	+08 26 22.9	19.0 V	691
1997 EU ₁₈	1997 03 03.36962	10 37 40.07	+07 26 17.9	20.3 V	691	1997 ED ₁₉	* 1997 03 03.39223	10 23 28.09	+07 34 04.7	19.0 V	691
1997 EU ₁₈	1997 03 11.29044	10 31 11.53	+08 13 42.3	20.2 V	691	1997 ED ₁₉	1997 03 03.41373	10 23 26.96	+07 34 13.4	18.9 V	691
1997 EU ₁₈	1997 03 11.31188	10 31 10.46	+08 13 49.6	20.0 V	691	1997 ED ₁₉	1997 03 03.43488	10 23 25.83	+07 34 21.8	19.0 V	691
1997 EU ₁₈	1997 03 11.33445	10 31 09.39	+08 13 57.1	20.5 V	691	1997 ED ₁₉	1997 03 11.28070	10 17 07.83	+08 25 13.2	19.2 V	691
1997 EV ₁₈	* 1997 03 03.38869	10 18 20.25	+07 40 50.7	21.7 V	691	1997 ED ₁₉	1997 03 11.30214	10 17 06.81	+08 25 21.2	19.2 V	691
1997 EV ₁₈	1997 03 03.41018	10 18 19.33	+07 40 58.4	21.1 V	691	1997 ED ₁₉	1997 03 11.32471	10 17 05.76	+08 25 29.2	19.2 V	691
1997 EV ₁₈	1997 03 03.43134	10 18 18.44	+07 41 06.5	20.9 V	691	1997 EE ₁₉	* 1997 03 03.39384	10 25 47.06	+07 44 52.9	21.1 V	691
1997 EV ₁₈	1997 03 11.27778	10 12 55.05	+08 28 40.3	21.7 V	691	1997 EE ₁₉	1997 03 03.41533	10 25 45.96	+07 45 00.2	21.0 V	691
1997 EV ₁₈	1997 03 11.29922	10 12 54.17	+08 28 47.6	21.3 V	691	1997 EE ₁₉	1997 03 03.43649	10 25 44.90	+07 45 07.1	21.1 V	691
1997 EV ₁₈	1997 03 11.32180	10 12 53.32	+08 28 55.8	21.8 V	691	1997 EE ₁₉	1997 03 11.28232	10 19 28.13	+08 26 05.0	21.4 V	691
1997 EW ₁₈	* 1997 03 03.38988	10 20 03.97	+07 36 05.9	18.8 V	691	1997 EE ₁₉	1997 03 11.32633	10 19 26.05	+08 26 18.4	21.5 V	691
1997 EW ₁₈	1997 03 03.41137	10 20 02.81	+07 36 17.1	18.6 V	691	1997 EF ₁₉	* 1997 03 03.39419	10 26 17.92	+07 56 25.8	18.8 V	691
1997 EW ₁₈	1997 03 03.43253	10 20 01.68	+07 36 28.2	18.7 V	691	1997 EF ₁₉	1997 03 03.41568	10 26 16.51	+07 56 31.4	18.7 V	691
1997 EW ₁₈	1997 03 11.34432	10 13 33.08	+08 43 47.2	18.9 V	691	1997 EF ₁₉	1997 03 03.43683	10 26 15.10	+07 56 36.7	18.8 V	691
1997 EW ₁₈	1997 03 11.36559	10 13 32.07	+08 43 57.8	18.9 V	691	1997 EF ₁₉	1997 03 11.28148	10 18 15.69	+08 28 22.7	19.2 V	691
1997 EW ₁₈	1997 03 11.38737	10 13 31.01	+08 44 08.3	19.1 V	691	1997 EF ₁₉	1997 03 11.30292	10 18 14.41	+08 28 27.6	19.1 V	691
1997 EX ₁₈	* 1997 03 03.38990	10 20 05.52	+07 56 41.5	20.6 V	691	1997 EF ₁₉	1997 03 11.32549	10 18 13.08	+08 28 32.6	19.1 V	691

1997 EG ₁₉	* 1997 03 03.39441	10 26 36.66	+07 59 29.2	18.7 V	691	1997 EP ₁₉	1997 03 11.30588	10 22 30.33	+08 08 22.4	20.6 V	691
1997 EG ₁₉	1997 03 03.41590	10 26 35.61	+07 59 35.6	18.5 V	691	1997 EP ₁₉	1997 03 11.32845	10 22 29.07	+08 08 28.1	20.5 V	691
1997 EG ₁₉	1997 03 03.43706	10 26 34.57	+07 59 41.8	18.6 V	691	1997 EQ ₁₉	* 1997 03 03.39678	10 30 02.21	+07 35 12.3	18.6 V	691
1997 EG ₁₉	1997 03 11.34914	10 20 29.93	+08 37 40.8	18.9 V	691	1997 EQ ₁₉	1997 03 03.41827	10 30 01.15	+07 35 18.2	18.7 V	691
1997 EG ₁₉	1997 03 11.37040	10 20 28.99	+08 37 46.5	18.8 V	691	1997 EQ ₁₉	1997 03 03.43943	10 30 00.09	+07 35 24.0	18.7 V	691
1997 EG ₁₉	1997 03 11.39219	10 20 28.01	+08 37 52.5	19.0 V	691	1997 EQ ₁₉	1997 03 11.28536	10 23 51.19	+08 09 34.9	19.0 V	691
1997 EH ₁₉	* 1997 03 03.39462	10 26 54.59	+07 55 51.5	20.3 V	691	1997 EQ ₁₉	1997 03 11.30680	10 23 50.21	+08 09 40.5	19.0 V	691
1997 EH ₁₉	1997 03 03.41611	10 26 53.51	+07 55 58.3	20.6 V	691	1997 EQ ₁₉	1997 03 11.32937	10 23 49.16	+08 09 45.9	18.9 V	691
1997 EH ₁₉	1997 03 03.43727	10 26 52.45	+07 56 04.6	20.6 V	691	1997 ER ₁₉	* 1997 03 03.39788	10 31 37.79	+07 34 28.1	21.0 V	691
1997 EH ₁₉	1997 03 11.34928	10 20 41.96	+08 34 19.5	20.7 V	691	1997 ER ₁₉	1997 03 03.41938	10 31 36.73	+07 34 36.5	20.9 V	691
1997 EH ₁₉	1997 03 11.37054	10 20 41.00	+08 34 25.4	20.7 V	691	1997 ER ₁₉	1997 03 03.44053	10 31 35.69	+07 34 44.4	20.6 V	691
1997 EH ₁₉	1997 03 11.39232	10 20 39.99	+08 34 31.5	20.8 V	691	1997 ER ₁₉	1997 03 11.28647	10 25 27.90	+08 23 08.4	21.2 V	691
1997 EJ ₁₉	* 1997 03 03.39488	10 27 17.91	+07 32 39.6	19.8 V	691	1997 ER ₁₉	1997 03 11.30791	10 25 26.91	+08 23 16.1	21.4 V	691
1997 EJ ₁₉	1997 03 03.41638	10 27 16.83	+07 32 45.3	19.8 V	691	1997 ER ₁₉	1997 03 11.33049	10 25 25.85	+08 23 24.1	21.1 V	691
1997 EJ ₁₉	1997 03 03.43753	10 27 15.78	+07 32 51.0	19.7 V	691	1997 ES ₁₉	* 1997 03 03.39878	10 32 55.58	+07 41 52.6	21.2 V	691
1997 EJ ₁₉	1997 03 11.28339	10 21 01.18	+08 06 31.0	20.1 V	691	1997 ES ₁₉	1997 03 03.42027	10 32 54.52	+07 42 00.1	21.3 V	691
1997 EJ ₁₉	1997 03 11.30483	10 21 00.19	+08 06 36.5	20.3 V	691	1997 ES ₁₉	1997 03 03.44143	10 32 53.53	+07 42 07.4	21.0 V	691
1997 EJ ₁₉	1997 03 11.32741	10 20 59.10	+08 06 41.8	20.1 V	691	1997 ES ₁₉	1997 03 11.28733	10 26 42.09	+08 21 31.0	21.1 V	691
1997 EK ₁₉	* 1997 03 03.39490	10 27 19.44	+07 48 19.4	19.9 V	691	1997 ES ₁₉	1997 03 11.30877	10 26 41.12	+08 21 37.8	21.1 V	691
1997 EK ₁₉	1997 03 03.41639	10 27 18.15	+07 48 29.7	19.7 V	691	1997 ES ₁₉	1997 03 11.33134	10 26 40.09	+08 21 43.9	21.2 V	691
1997 EK ₁₉	1997 03 03.43755	10 27 16.86	+07 48 40.1	19.8 V	691	1997 ET ₁₉	* 1997 03 03.39938	10 33 47.68	+07 40 06.0	20.4 V	691
1997 EK ₁₉	1997 03 11.34863	10 19 45.89	+08 50 41.0	19.9 V	691	1997 ET ₁₉	1997 03 03.42087	10 33 46.36	+07 40 14.5	20.6 V	691
1997 EK ₁₉	1997 03 11.36989	10 19 44.72	+08 50 50.2	20.0 V	691	1997 ET ₁₉	1997 03 03.44202	10 33 45.11	+07 40 22.6	20.5 V	691
1997 EK ₁₉	1997 03 11.39167	10 19 43.52	+08 51 00.2	19.9 V	691	1997 ET ₁₉	1997 03 11.28712	10 26 24.26	+08 30 12.4	20.6 V	691
1997 EL ₁₉	* 1997 03 03.39540	10 28 02.78	+07 55 29.4	20.6 V	691	1997 ET ₁₉	1997 03 11.30856	10 26 23.10	+08 30 19.8	20.9 V	691
1997 EL ₁₉	1997 03 03.41690	10 28 01.65	+07 55 35.2	20.4 V	691	1997 ET ₁₉	1997 03 11.33113	10 26 21.86	+08 30 27.7	20.9 V	691
1997 EL ₁₉	1997 03 03.43805	10 28 00.49	+07 55 40.8	20.6 V	691	1997 EU ₁₉	* 1997 03 03.39963	10 34 09.07	+07 31 55.2	20.7 V	691
1997 EL ₁₉	1997 03 11.28363	10 21 21.26	+08 27 59.7	20.8 V	691	1997 EU ₁₉	1997 03 03.42112	10 34 07.81	+07 32 02.1	20.7 V	691
1997 EL ₁₉	1997 03 11.30507	10 21 20.16	+08 28 05.3	20.7 V	691	1997 EU ₁₉	1997 03 03.44227	10 34 06.65	+07 32 07.9	20.8 V	691
1997 EL ₁₉	1997 03 11.32764	10 21 19.03	+08 28 10.9	20.8 V	691	1997 EU ₁₉	1997 03 11.28773	10 27 17.04	+08 08 51.5	21.0 V	691
1997 EM ₁₉	* 1997 03 03.39566	10 28 25.22	+07 43 37.9	20.4 V	691	1997 EU ₁₉	1997 03 11.30917	10 27 15.94	+08 08 57.3	20.9 V	691
1997 EM ₁₉	1997 03 03.41715	10 28 23.97	+07 43 44.4	20.3 V	691	1997 EV ₁₉	* 1997 03 03.39994	10 34 36.35	+07 47 04.5	20.7 V	691
1997 EM ₁₉	1997 03 03.43831	10 28 22.69	+07 43 50.8	20.3 V	691	1997 EV ₁₉	1997 03 03.42143	10 34 35.11	+07 47 12.4	20.8 V	691
1997 EM ₁₉	1997 03 11.28341	10 21 02.58	+08 21 43.3	20.6 V	691	1997 EV ₁₉	1997 03 03.44259	10 34 33.89	+07 47 18.9	20.6 V	691
1997 EM ₁₉	1997 03 11.30485	10 21 01.44	+08 21 49.5	20.4 V	691	1997 EV ₁₉	1997 03 11.28796	10 27 36.62	+08 29 39.4	20.9 V	691
1997 EM ₁₉	1997 03 11.32742	10 21 00.17	+08 21 55.5	20.9 V	691	1997 EV ₁₉	1997 03 11.30940	10 27 35.49	+08 29 45.4	20.9 V	691
1997 EN ₁₉	* 1997 03 03.39601	10 28 55.33	+07 34 58.6	19.6 V	691	1997 EV ₁₉	1997 03 11.33197	10 27 34.35	+08 29 52.6	20.5 V	691
1997 EN ₁₉	1997 03 03.41750	10 28 54.11	+07 35 04.1	19.3 V	691	1997 EW ₁₉	* 1997 03 03.40000	10 34 41.71	+07 54 07.3	20.2 V	691
1997 EN ₁₉	1997 03 03.43865	10 28 52.89	+07 35 09.0	19.5 V	691	1997 EW ₁₉	1997 03 03.42149	10 34 40.40	+07 54 09.3	20.3 V	691
1997 EN ₁₉	1997 03 11.28396	10 21 50.01	+08 05 40.3	19.8 V	691	1997 EW ₁₉	1997 03 03.44265	10 34 39.12	+07 54 10.7	20.1 V	691
1997 EN ₁₉	1997 03 11.30540	10 21 48.87	+08 05 45.5	19.8 V	691	1997 EW ₁₉	1997 03 11.28767	10 27 11.82	+08 04 56.1	20.1 V	691
1997 EN ₁₉	1997 03 11.32797	10 21 47.67	+08 05 50.2	19.8 V	691	1997 EW ₁₉	1997 03 11.30911	10 27 10.63	+08 04 57.6	20.1 V	691
1997 EO ₁₉	* 1997 03 03.39614	10 29 07.12	+07 56 01.4	20.3 V	691	1997 EW ₁₉	1997 03 11.33168	10 27 09.38	+08 04 58.9	20.3 V	691
1997 EO ₁₉	1997 03 03.41764	10 29 06.06	+07 56 07.7	20.4 V	691	1997 EX ₁₉	* 1997 03 03.40022	10 35 00.52	+07 33 34.0	20.8 V	691
1997 EO ₁₉	1997 03 03.43879	10 29 05.00	+07 56 14.0	20.2 V	691	1997 EX ₁₉	1997 03 03.42171	10 34 59.16	+07 33 39.9	20.5 V	691
1997 EO ₁₉	1997 03 11.35089	10 23 01.48	+08 33 21.7	20.7 V	691	1997 EX ₁₉	1997 03 03.44286	10 34 57.80	+07 33 45.3	20.7 V	691
1997 EO ₁₉	1997 03 11.37215	10 23 00.55	+08 33 27.0	20.5 V	691	1997 EX ₁₉	1997 03 11.28759	10 27 05.03	+08 08 16.4	21.1 V	691
1997 EO ₁₉	1997 03 11.39394	10 22 59.62	+08 33 32.7	20.6 V	691	1997 EX ₁₉	1997 03 11.30903	10 27 03.74	+08 08 21.8	21.1 V	691
1997 EP ₁₉	* 1997 03 03.39661	10 29 47.73	+07 34 54.9	20.3 V	691	1997 EX ₁₉	1997 03 11.33160	10 27 02.38	+08 08 27.4	21.2 V	691
1997 EP ₁₉	1997 03 03.41810	10 29 46.48	+07 35 01.1	20.4 V	691	1997 EY ₁₉	* 1997 03 03.40060	10 35 33.49	+07 50 48.4	18.1 V	691
1997 EP ₁₉	1997 03 03.43926	10 29 45.26	+07 35 06.0	20.7 V	691	1997 EY ₁₉	1997 03 03.42209	10 35 32.10	+07 50 51.6	18.0 V	691
1997 EP ₁₉	1997 03 11.28444	10 22 31.50	+08 08 17.2	20.9 V	691	1997 EY ₁₉	1997 03 03.44324	10 35 30.77	+07 50 54.6	18.0 V	691

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1997 EY ₁₉	1997 03 11.28808	10 27 46.98	+08 09 50.9	18.4 V	691	1997 EH ₂₀	1997 03 11.21074	09 59 50.30	+02 49 22.0	19.8 V	691
1997 EY ₁₉	1997 03 11.30952	10 27 45.71	+08 09 53.5	18.4 V	691	1997 EH ₂₀	1997 03 11.23236	09 59 49.35	+02 49 26.0	19.8 V	691
1997 EY ₁₉	1997 03 11.33209	10 27 44.41	+08 09 56.3	18.4 V	691	1997 EH ₂₀	1997 03 11.25502	09 59 48.44	+02 49 30.1	19.4 V	691
1997 EZ ₁₉	* 1997 03 03.40075	10 35 46.94	+07 47 16.4	19.8 V	691	1997 EJ ₂₀	* 1997 03 04.19806	10 05 10.16	+02 18 03.4	20.0 V	691
1997 EZ ₁₉	1997 03 03.42225	10 35 45.59	+07 47 19.5	19.8 V	691	1997 EJ ₂₀	1997 03 04.22023	10 05 08.95	+02 18 08.1	20.5 V	691
1997 EZ ₁₉	1997 03 03.44340	10 35 44.27	+07 47 22.7	19.9 V	691	1997 EJ ₂₀	1997 03 04.24213	10 05 07.75	+02 18 12.0	20.4 V	691
1997 EZ ₁₉	1997 03 11.28840	10 28 14.53	+08 07 47.1	20.1 V	691	1997 EJ ₂₀	1997 03 11.21062	09 59 30.14	+02 41 41.9	20.3 V	691
1997 EZ ₁₉	1997 03 11.30983	10 28 13.31	+08 07 50.3	20.0 V	691	1997 EJ ₂₀	1997 03 11.23225	09 59 29.11	+02 41 46.7	20.2 V	691
1997 EZ ₁₉	1997 03 11.33240	10 28 12.01	+08 07 53.0	20.1 V	691	1997 EJ ₂₀	1997 03 11.25491	09 59 28.06	+02 41 51.2	20.3 V	691
1997 EA ₂₀	* 1997 03 03.40110	10 36 17.35	+07 51 51.1	20.4 V	691	1997 EK ₂₀	* 1997 03 04.19992	10 07 51.44	+02 08 01.4	19.5 V	691
1997 EA ₂₀	1997 03 03.42260	10 36 16.28	+07 52 02.4	20.3 V	691	1997 EK ₂₀	1997 03 04.22210	10 07 50.13	+02 08 09.7	20.0 V	691
1997 EA ₂₀	1997 03 03.44375	10 36 15.29	+07 52 13.0	20.5 V	691	1997 EK ₂₀	1997 03 04.24399	10 07 48.84	+02 08 16.9	20.1 V	691
1997 EA ₂₀	1997 03 11.35592	10 30 17.14	+08 59 26.0	21.0 V	691	1997 EK ₂₀	1997 03 11.21180	10 01 30.49	+02 49 22.5	19.8 V	691
1997 EA ₂₀	1997 03 11.37718	10 30 16.18	+08 59 36.6	20.5 V	691	1997 EK ₂₀	1997 03 11.23341	10 01 29.34	+02 49 30.3	19.9 V	691
1997 EA ₂₀	1997 03 11.39897	10 30 15.24	+08 59 47.1	20.7 V	691	1997 EK ₂₀	1997 03 11.25606	10 01 28.16	+02 49 38.5	20.1 V	691
1997 EB ₂₀	* 1997 03 03.40115	10 36 21.45	+07 53 10.4	19.6 V	691	1997 EL ₂₀	* 1997 03 04.20108	10 09 31.65	+02 26 51.6	19.7 V	691
1997 EB ₂₀	1997 03 03.42264	10 36 20.17	+07 53 18.6	19.6 V	691	1997 EL ₂₀	1997 03 04.22325	10 09 30.54	+02 26 56.5	19.7 V	691
1997 EB ₂₀	1997 03 03.44380	10 36 18.95	+07 53 26.5	19.7 V	691	1997 EL ₂₀	1997 03 04.24515	10 09 29.40	+02 27 01.2	19.9 V	691
1997 EB ₂₀	1997 03 11.35518	10 29 13.72	+08 42 10.7	20.0 V	691	1997 EL ₂₀	1997 03 11.21352	10 03 59.71	+02 53 01.1	20.1 V	691
1997 EB ₂₀	1997 03 11.37645	10 29 12.60	+08 42 17.9	20.1 V	691	1997 EL ₂₀	1997 03 11.23513	10 03 58.73	+02 53 05.9	20.0 V	691
1997 EB ₂₀	1997 03 11.39823	10 29 11.50	+08 42 24.9	20.0 V	691	1997 EL ₂₀	1997 03 11.25779	10 03 57.70	+02 53 10.9	20.0 V	691
1997 EC ₂₀	* 1997 03 03.40132	10 36 35.83	+07 37 40.8	20.5 V	691	1997 EM ₂₀	* 1997 03 04.20269	10 11 51.31	+02 14 13.7	20.5 V	691
1997 EC ₂₀	1997 03 03.42281	10 36 34.75	+07 37 47.5	20.4 V	691	1997 EM ₂₀	1997 03 04.22487	10 11 50.33	+02 14 20.6	20.4 V	691
1997 EC ₂₀	1997 03 03.44397	10 36 33.73	+07 37 54.4	20.4 V	691	1997 EM ₂₀	1997 03 04.24677	10 11 49.36	+02 14 27.0	20.4 V	691
1997 EC ₂₀	1997 03 11.28998	10 30 31.57	+08 18 55.2	20.6 V	691	1997 EM ₂₀	1997 03 11.21564	10 07 03.20	+02 51 19.6	20.5 V	691
1997 EC ₂₀	1997 03 11.31142	10 30 30.59	+08 19 01.6	20.7 V	691	1997 EM ₂₀	1997 03 11.23725	10 07 02.33	+02 51 26.2	20.8 V	691
1997 EC ₂₀	1997 03 11.33399	10 30 29.55	+08 19 08.3	20.8 V	691	1997 EM ₂₀	1997 03 11.25991	10 07 01.44	+02 51 33.9	20.6 V	691
1997 ED ₂₀	* 1997 03 03.40151	10 36 52.29	+07 30 54.0	20.4 V	691	1997 EN ₂₀	* 1997 03 04.20458	10 14 35.03	+02 25 35.6	20.4 V	691
1997 ED ₂₀	1997 03 03.42300	10 36 51.07	+07 31 07.9	20.6 V	691	1997 EN ₂₀	1997 03 04.22676	10 14 33.83	+02 25 41.1	20.5 V	691
1997 ED ₂₀	1997 03 03.44415	10 36 49.91	+07 31 21.0	20.6 V	691	1997 EN ₂₀	1997 03 04.24865	10 14 32.64	+02 25 46.3	20.5 V	691
1997 ED ₂₀	1997 03 11.35577	10 30 04.43	+08 52 43.1	20.7 V	691	1997 EN ₂₀	1997 03 11.21696	10 08 57.45	+02 54 30.1	20.4 V	691
1997 ED ₂₀	1997 03 11.37703	10 30 03.32	+08 52 55.8	21.0 V	691	1997 EN ₂₀	1997 03 11.23857	10 08 56.48	+02 54 35.6	20.6 V	691
1997 ED ₂₀	1997 03 11.39882	10 30 02.24	+08 53 08.7	21.3 V	691	1997 EN ₂₀	1997 03 11.26123	10 08 55.42	+02 54 41.4	20.5 V	691
1997 EE ₂₀	* 1997 03 03.40195	10 37 30.98	+07 33 09.8	18.6 V	691	1997 EO ₂₀	* 1997 03 04.20518	10 15 27.37	+02 14 19.5	21.1 V	691
1997 EE ₂₀	1997 03 03.42345	10 37 29.75	+07 33 19.6	18.5 V	691	1997 EO ₂₀	1997 03 04.22736	10 15 26.33	+02 14 24.2	21.2 V	691
1997 EE ₂₀	1997 03 03.44460	10 37 28.55	+07 33 29.3	18.5 V	691	1997 EO ₂₀	1997 03 04.24926	10 15 25.24	+02 14 29.1	21.2 V	691
1997 EE ₂₀	1997 03 11.35606	10 30 29.52	+08 32 42.8	18.8 V	691	1997 EO ₂₀	1997 03 11.21781	10 10 11.21	+02 39 04.3	21.6 V	691
1997 EE ₂₀	1997 03 11.37732	10 30 28.41	+08 32 52.0	19.0 V	691	1997 EO ₂₀	1997 03 11.23942	10 10 10.27	+02 39 09.1	21.4 V	691
1997 EE ₂₀	1997 03 11.39910	10 30 27.30	+08 33 01.1	19.0 V	691	1997 EP ₂₀	* 1997 03 04.20581	10 16 21.61	+02 12 31.6	20.0 V	691
1997 EF ₂₀	* 1997 03 03.40232	10 38 03.06	+07 37 27.5	17.3 V	691	1997 EP ₂₀	1997 03 04.22799	10 16 20.59	+02 12 40.1	20.0 V	691
1997 EF ₂₀	1997 03 03.42382	10 38 01.94	+07 37 38.7	17.4 V	691	1997 EP ₂₀	1997 03 04.24989	10 16 19.54	+02 12 49.0	20.1 V	691
1997 EF ₂₀	1997 03 03.44497	10 38 00.87	+07 37 49.8	17.4 V	691	1997 EP ₂₀	1997 03 11.21855	10 11 15.68	+02 58 10.8	20.2 V	691
1997 EF ₂₀	1997 03 11.35690	10 31 42.38	+08 45 46.6	17.7 V	691	1997 EP ₂₀	1997 03 11.24017	10 11 14.77	+02 58 19.1	20.3 V	691
1997 EF ₂₀	1997 03 11.37817	10 31 41.38	+08 45 57.3	17.6 V	691	1997 EP ₂₀	1997 03 11.26282	10 11 13.79	+02 58 28.0	20.2 V	691
1997 EG ₂₀	* 1997 03 03.41107	10 19 36.20	+07 56 00.1	20.7 V	691	1997 EQ ₂₀	* 1997 03 04.20594	10 16 32.96	+02 28 55.6	20.3 V	691
1997 EG ₂₀	1997 03 03.43222	10 19 34.99	+07 56 05.5	20.9 V	691	1997 EQ ₂₀	1997 03 04.22812	10 16 31.90	+02 28 59.8	20.5 V	691
1997 EG ₂₀	1997 03 11.27779	10 12 55.59	+08 24 18.4	21.2 V	691	1997 EQ ₂₀	1997 03 04.25002	10 16 30.82	+02 29 04.8	20.4 V	691
1997 EG ₂₀	1997 03 11.29923	10 12 54.49	+08 24 23.2	22.2 V	691	1997 EQ ₂₀	1997 03 11.21856	10 11 16.60	+02 52 13.0	20.3 V	691
1997 EG ₂₀	1997 03 11.32180	10 12 53.35	+08 24 28.3	21.3 V	691	1997 EQ ₂₀	1997 03 11.24018	10 11 15.66	+02 52 17.0	20.5 V	691
1997 EH ₂₀	* 1997 03 04.19797	10 05 02.95	+02 30 22.1	19.4 V	691	1997 EQ ₂₀	1997 03 11.26283	10 11 14.65	+02 52 21.7	20.3 V	691
1997 EH ₂₀	1997 03 04.22015	10 05 01.85	+02 30 26.2	19.6 V	691	1997 ER ₂₀	* 1997 03 04.20701	10 18 05.43	+02 08 18.0	20.6 V	691
1997 EH ₂₀	1997 03 04.24205	10 05 00.79	+02 30 29.3	19.7 V	691	1997 ER ₂₀	1997 03 04.22919	10 18 04.48	+02 08 27.1	20.4 V	691

1997 ER ₂₀	1997 03 04.25109	10 18 03.53	+02 08 36.7	20.4 V	691	1997 EA ₂₁	* 1997 03 04.29642	10 19 55.72	+08 25 41.7	20.3 V	691
1997 ER ₂₀	1997 03 11.22000	10 13 21.26	+02 56 38.5	20.5 V	691	1997 EA ₂₁	1997 03 04.31743	10 19 54.41	+08 25 42.6	20.2 V	691
1997 ER ₂₀	1997 03 11.24162	10 13 20.42	+02 56 47.5	20.7 V	691	1997 EA ₂₁	1997 03 04.33906	10 19 52.99	+08 25 43.1	20.4 V	691
1997 ER ₂₀	1997 03 11.26427	10 13 19.51	+02 56 57.0	20.4 V	691	1997 EA ₂₁	1997 03 11.27791	10 13 05.73	+08 29 51.4	20.8 V	691
1997 ES ₂₀	* 1997 03 04.20757	10 18 54.33	+02 22 48.2	20.6 V	691	1997 EA ₂₁	1997 03 11.29934	10 13 04.48	+08 29 51.7	20.5 V	691
1997 ES ₂₀	1997 03 04.22975	10 18 53.04	+02 22 52.1	21.0 V	691	1997 EB ₂₁	* 1997 03 04.29643	10 19 56.66	+08 08 39.5	19.2 V	691
1997 ES ₂₀	1997 03 04.25164	10 18 51.75	+02 22 56.9	20.4 V	691	1997 EB ₂₁	1997 03 04.31744	10 19 55.61	+08 08 44.2	19.1 V	691
1997 ES ₂₀	1997 03 11.21946	10 12 34.21	+02 44 42.2	21.1 V	691	1997 EB ₂₁	1997 03 04.33908	10 19 54.55	+08 08 48.5	19.3 V	691
1997 ES ₂₀	1997 03 11.24107	10 12 33.07	+02 44 46.2	20.8 V	691	1997 EB ₂₁	1997 03 11.34505	10 14 35.73	+08 34 21.1	19.2 V	691
1997 ES ₂₀	1997 03 11.26372	10 12 31.82	+02 44 50.7	20.8 V	691	1997 EB ₂₁	1997 03 11.36632	10 14 34.78	+08 34 25.6	19.2 V	691
1997 ET ₂₀	* 1997 03 04.20783	10 19 16.77	+02 15 07.2	20.9 V	691	1997 EB ₂₁	1997 03 11.38810	10 14 33.78	+08 34 30.1	19.2 V	691
1997 ET ₂₀	1997 03 04.23001	10 19 15.67	+02 15 14.9	21.0 V	691	1997 EC ₂₁	* 1997 03 04.29675	10 20 24.31	+08 27 28.0	18.8 V	691
1997 ET ₂₀	1997 03 04.25191	10 19 14.51	+02 15 22.8	20.5 V	691	1997 EC ₂₁	1997 03 04.31776	10 20 23.04	+08 27 31.4	19.0 V	691
1997 ET ₂₀	1997 03 11.22031	10 13 48.40	+02 56 13.8	21.1 V	691	1997 EC ₂₁	1997 03 04.33939	10 20 21.71	+08 27 34.4	19.1 V	691
1997 ET ₂₀	1997 03 11.24193	10 13 47.41	+02 56 21.4	21.3 V	691	1997 EC ₂₁	1997 03 11.34469	10 14 04.57	+08 45 01.4	19.1 V	691
1997 ET ₂₀	1997 03 11.26458	10 13 46.34	+02 56 29.9	20.9 V	691	1997 EC ₂₁	1997 03 11.36595	10 14 03.47	+08 45 04.2	19.3 V	691
1997 EU ₂₀	* 1997 03 04.20816	10 19 45.05	+02 09 15.8	21.5 V	691	1997 EC ₂₁	1997 03 11.38773	10 14 02.31	+08 45 06.8	19.3 V	691
1997 EU ₂₀	1997 03 04.23033	10 19 43.72	+02 09 22.6	21.2 V	691	1997 ED ₂₁	* 1997 03 04.29797	10 22 09.36	+08 32 02.7	21.0 V	691
1997 EU ₂₀	1997 03 04.25223	10 19 42.35	+02 09 30.5	21.5 V	691	1997 ED ₂₁	1997 03 04.31897	10 22 08.03	+08 32 02.3	21.2 V	691
1997 EU ₂₀	1997 03 11.21982	10 13 05.91	+02 48 46.9	21.3 V	691	1997 ED ₂₁	1997 03 04.34060	10 22 06.59	+08 32 01.4	21.0 V	691
1997 EU ₂₀	1997 03 11.24144	10 13 04.72	+02 48 53.7	21.2 V	691	1997 ED ₂₁	1997 03 11.27936	10 15 11.60	+08 28 49.7	21.5 V	691
1997 EU ₂₀	1997 03 11.26409	10 13 03.46	+02 49 02.2	20.9 V	691	1997 ED ₂₁	1997 03 11.30080	10 15 10.32	+08 28 49.7	21.6 V	691
1997 EV ₂₀	* 1997 03 04.20886	10 20 45.90	+02 22 58.0	20.5 V	691	1997 ED ₂₁	1997 03 11.32336	10 15 08.96	+08 28 47.6	21.0 V	691
1997 EV ₂₀	1997 03 04.23104	10 20 44.66	+02 23 04.7	20.7 V	691	1997 EE ₂₁	* 1997 03 04.29805	10 22 16.73	+08 04 57.7	20.8 V	691
1997 EV ₂₀	1997 03 04.25293	10 20 43.49	+02 23 12.2	20.6 V	691	1997 EE ₂₁	1997 03 04.31906	10 22 15.60	+08 05 05.1	20.9 V	691
1997 EV ₂₀	1997 03 11.22107	10 14 54.23	+02 59 17.4	20.8 V	691	1997 EE ₂₁	1997 03 04.34069	10 22 14.40	+08 05 12.0	21.0 V	691
1997 EV ₂₀	1997 03 11.24269	10 14 53.19	+02 59 24.5	20.6 V	691	1997 EE ₂₁	1997 03 11.34629	10 16 23.09	+08 44 42.3	21.1 V	691
1997 EV ₂₀	1997 03 11.26534	10 14 52.06	+02 59 31.5	20.5 V	691	1997 EE ₂₁	1997 03 11.36755	10 16 22.03	+08 44 49.6	21.3 V	691
1997 EW ₂₀	* 1997 03 04.21049	10 23 06.78	+02 23 50.1	19.6 V	691	1997 EE ₂₁	1997 03 11.38933	10 16 20.97	+08 44 56.6	21.2 V	691
1997 EW ₂₀	1997 03 04.23266	10 23 05.39	+02 23 56.4	19.5 V	691	1997 EF ₂₁	* 1997 03 04.29812	10 22 22.60	+08 26 38.2	20.4 V	691
1997 EW ₂₀	1997 03 04.25456	10 23 04.01	+02 24 03.1	19.2 V	691	1997 EF ₂₁	1997 03 04.31913	10 22 21.43	+08 26 41.4	20.4 V	691
1997 EW ₂₀	1997 03 11.22214	10 16 26.67	+02 56 47.5	19.2 V	691	1997 EF ₂₁	1997 03 04.34076	10 22 20.18	+08 26 43.7	20.9 V	691
1997 EW ₂₀	1997 03 11.24375	10 16 25.46	+02 56 53.5	19.2 V	691	1997 EF ₂₁	1997 03 11.34616	10 16 12.21	+08 41 29.3	21.1 V	691
1997 EW ₂₀	1997 03 11.26641	10 16 24.19	+02 56 59.8	19.3 V	691	1997 EF ₂₁	1997 03 11.36743	10 16 11.13	+08 41 31.9	21.5 V	691
1997 EX ₂₀	* 1997 03 04.29435	10 16 56.11	+08 07 33.5	19.0 V	691	1997 EF ₂₁	1997 03 11.38921	10 16 10.01	+08 41 34.5	20.8 V	691
1997 EX ₂₀	1997 03 04.31536	10 16 55.20	+08 07 38.3	19.1 V	691	1997 EG ₂₁	* 1997 03 04.29832	10 22 40.20	+08 12 02.5	18.3 V	691
1997 EX ₂₀	1997 03 04.33700	10 16 54.26	+08 07 42.8	19.0 V	691	1997 EG ₂₁	1997 03 04.31933	10 22 38.93	+08 12 06.3	18.4 V	691
1997 EX ₂₀	1997 03 11.34335	10 12 05.15	+08 34 21.1	19.1 V	691	1997 EG ₂₁	1997 03 04.34096	10 22 37.59	+08 12 09.7	18.3 V	691
1997 EX ₂₀	1997 03 11.36462	10 12 04.27	+08 34 25.7	19.0 V	691	1997 EG ₂₁	1997 03 11.27999	10 16 06.36	+08 31 57.8	18.6 V	691
1997 EX ₂₀	1997 03 11.38641	10 12 03.36	+08 34 30.2	19.2 V	691	1997 EG ₂₁	1997 03 11.30143	10 16 05.18	+08 32 01.3	18.5 V	691
1997 EY ₂₀	* 1997 03 04.29509	10 17 59.88	+08 06 33.6	17.1 V	691	1997 EG ₂₁	1997 03 11.32400	10 16 03.92	+08 32 04.5	18.4 V	691
1997 EY ₂₀	1997 03 04.31610	10 17 58.69	+08 06 41.4	17.1 V	691	1997 EH ₂₁	* 1997 03 04.29915	10 23 51.72	+08 30 45.3	20.9 V	691
1997 EY ₂₀	1997 03 04.33773	10 17 57.49	+08 06 48.9	17.1 V	691	1997 EH ₂₁	1997 03 04.32016	10 23 50.64	+08 30 48.7	21.1 V	691
1997 EY ₂₀	1997 03 11.34330	10 11 56.27	+08 49 22.5	17.3 V	691	1997 EH ₂₁	1997 03 04.34179	10 23 49.51	+08 30 52.6	21.0 V	691
1997 EY ₂₀	1997 03 11.36457	10 11 55.18	+08 49 29.7	17.3 V	691	1997 EH ₂₁	1997 03 11.34750	10 18 08.52	+08 49 31.1	21.0 V	691
1997 EY ₂₀	1997 03 11.38636	10 11 54.06	+08 49 37.3	17.3 V	691	1997 EH ₂₁	1997 03 11.36877	10 18 07.54	+08 49 33.3	20.9 V	691
1997 EZ ₂₀	* 1997 03 04.29593	10 19 12.80	+08 15 30.3	18.0 V	691	1997 EH ₂₁	1997 03 11.39055	10 18 06.47	+08 49 37.1	21.2 V	691
1997 EZ ₂₀	1997 03 04.31694	10 19 11.63	+08 15 34.6	18.1 V	691	1997 EJ ₂₁	* 1997 03 04.29983	10 24 50.92	+08 23 38.3	19.5 V	691
1997 EZ ₂₀	1997 03 04.33857	10 19 10.41	+08 15 38.0	18.1 V	691	1997 EJ ₂₁	1997 03 04.32084	10 24 49.90	+08 23 45.2	19.6 V	691
1997 EZ ₂₀	1997 03 11.34410	10 13 13.50	+08 36 52.7	17.9 V	691	1997 EJ ₂₁	1997 03 04.34248	10 24 48.79	+08 23 53.1	19.7 V	691
1997 EZ ₂₀	1997 03 11.36536	10 13 12.44	+08 36 56.2	17.9 V	691	1997 EJ ₂₁	1997 03 11.34839	10 19 25.53	+09 02 27.4	19.6 V	691
1997 EZ ₂₀	1997 03 11.38714	10 13 11.33	+08 36 59.7	18.0 V	691	1997 EJ ₂₁	1997 03 11.36966	10 19 24.57	+09 02 33.8	20.1 V	691

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1997 EJ ₂₁	1997 03 11.39144	10 19 23.58	+09 02 40.5	20.3 V	691	1997 ES ₂₁	1997 03 11.35351	10 26 48.77	+08 54 33.4	20.0 V	691
1997 EK ₂₁	* 1997 03 04.29983	10 24 51.22	+08 19 01.9	20.0 V	691	1997 ES ₂₁	1997 03 11.37478	10 26 47.69	+08 54 39.3	21.0 V	691
1997 EK ₂₁	1997 03 04.32084	10 24 50.07	+08 19 09.6	20.1 V	691	1997 ES ₂₁	1997 03 11.39656	10 26 46.54	+08 54 45.0	20.7 V	691
1997 EK ₂₁	1997 03 04.34248	10 24 48.83	+08 19 18.3	20.3 V	691	1997 ET ₂₁	* 1997 03 04.30553	10 33 04.46	+08 04 22.3	18.3 V	691
1997 EK ₂₁	1997 03 11.34798	10 18 49.81	+09 00 46.8	20.3 V	691	1997 ET ₂₁	1997 03 04.32654	10 33 03.47	+08 04 32.7	18.6 V	691
1997 EK ₂₁	1997 03 11.36925	10 18 48.78	+09 00 53.8	20.4 V	691	1997 ET ₂₁	1997 03 04.34818	10 33 02.45	+08 04 43.7	18.8 V	691
1997 EK ₂₁	1997 03 11.39103	10 18 47.69	+09 01 01.1	20.6 V	691	1997 ET ₂₁	1997 03 11.35442	10 28 07.66	+09 01 45.0	18.4 V	691
1997 EL ₂₁	* 1997 03 04.30114	10 26 43.94	+08 09 41.8	19.9 V	691	1997 ET ₂₁	1997 03 11.37569	10 28 06.77	+09 01 54.8	18.5 V	691
1997 EL ₂₁	1997 03 04.32214	10 26 42.70	+08 09 50.3	20.2 V	691	1997 ET ₂₁	1997 03 11.39747	10 28 05.90	+09 02 05.0	18.6 V	691
1997 EL ₂₁	1997 03 04.34378	10 26 41.42	+08 09 59.6	20.1 V	691	1997 EU ₂₁	* 1997 03 04.30645	10 34 24.05	+08 14 09.3	20.4 V	691
1997 EL ₂₁	1997 03 11.34916	10 20 32.22	+08 55 45.3	20.3 V	691	1997 EU ₂₁	1997 03 04.32746	10 34 22.91	+08 14 15.6	20.5 V	691
1997 EL ₂₁	1997 03 11.37043	10 20 31.14	+08 55 52.6	20.3 V	691	1997 EU ₂₁	1997 03 04.34909	10 34 21.76	+08 14 22.4	20.8 V	691
1997 EL ₂₁	1997 03 11.39221	10 20 30.01	+08 56 00.6	20.4 V	691	1997 EU ₂₁	1997 03 11.35472	10 28 33.30	+08 50 22.3	20.6 V	691
1997 EM ₂₁	* 1997 03 04.30220	10 28 16.31	+08 22 54.8	18.9 V	691	1997 EU ₂₁	1997 03 11.37598	10 28 32.25	+08 50 28.5	20.8 V	691
1997 EM ₂₁	1997 03 04.32321	10 28 15.29	+08 23 00.7	19.1 V	691	1997 EU ₂₁	1997 03 11.39776	10 28 31.20	+08 50 35.0	21.1 V	691
1997 EM ₂₁	1997 03 04.34485	10 28 14.22	+08 23 07.0	19.2 V	691	1997 EV ₂₁	* 1997 03 04.30738	10 35 44.82	+08 27 29.7	19.9 V	691
1997 EM ₂₁	1997 03 11.35081	10 22 54.74	+08 54 42.6	19.2 V	691	1997 EV ₂₁	1997 03 04.32839	10 35 43.57	+08 27 33.3	20.0 V	691
1997 EM ₂₁	1997 03 11.37208	10 22 53.77	+08 54 47.9	19.3 V	691	1997 EV ₂₁	1997 03 04.35002	10 35 42.30	+08 27 37.3	20.0 V	691
1997 EM ₂₁	1997 03 11.39386	10 22 52.82	+08 54 53.6	19.4 V	691	1997 EV ₂₁	1997 03 11.35526	10 29 20.12	+08 47 58.9	20.1 V	691
1997 EN ₂₁	* 1997 03 04.30244	10 28 36.82	+08 24 29.5	20.7 V	691	1997 EV ₂₁	1997 03 11.37652	10 29 18.97	+08 48 02.3	20.2 V	691
1997 EN ₂₁	1997 03 04.32345	10 28 35.76	+08 24 36.0	21.2 V	691	1997 EV ₂₁	1997 03 11.39830	10 29 17.80	+08 48 05.7	20.3 V	691
1997 EN ₂₁	1997 03 04.34508	10 28 34.71	+08 24 43.5	20.9 V	691	1997 EW ₂₁	* 1997 03 04.30745	10 35 51.19	+08 09 48.8	20.3 V	691
1997 EN ₂₁	1997 03 11.35098	10 23 09.81	+09 00 35.9	21.2 V	691	1997 EW ₂₁	1997 03 04.32846	10 35 49.79	+08 09 55.3	20.6 V	691
1997 EN ₂₁	1997 03 11.37225	10 23 08.84	+09 00 42.2	21.7 V	691	1997 EW ₂₁	1997 03 04.35009	10 35 48.41	+08 10 02.9	20.8 V	691
1997 EN ₂₁	1997 03 11.39403	10 23 07.85	+09 00 48.0	21.0 V	691	1997 EW ₂₁	1997 03 11.35476	10 28 37.26	+08 47 33.2	20.8 V	691
1997 EO ₂₁	* 1997 03 04.30304	10 29 28.97	+08 07 42.9	19.3 V	691	1997 EW ₂₁	1997 03 11.37603	10 28 35.96	+08 47 40.2	21.1 V	691
1997 EO ₂₁	1997 03 04.32405	10 29 27.90	+08 07 52.7	19.5 V	691	1997 EW ₂₁	1997 03 11.39780	10 28 34.64	+08 47 46.3	20.8 V	691
1997 EO ₂₁	1997 03 04.34569	10 29 26.77	+08 08 02.7	19.6 V	691	1997 EX ₂₁	* 1997 03 04.30812	10 36 48.77	+08 24 16.4	18.8 V	691
1997 EO ₂₁	1997 03 11.35156	10 23 59.92	+08 58 30.4	19.6 V	691	1997 EX ₂₁	1997 03 04.32913	10 36 47.60	+08 24 20.6	19.0 V	691
1997 EO ₂₁	1997 03 11.37283	10 23 58.95	+08 58 39.1	19.7 V	691	1997 EX ₂₁	1997 03 04.35076	10 36 46.42	+08 24 25.3	18.9 V	691
1997 EO ₂₁	1997 03 11.39461	10 23 57.94	+08 58 48.4	19.5 V	691	1997 EX ₂₁	1997 03 11.35617	10 30 39.51	+08 48 01.0	19.2 V	691
1997 EP ₂₁	* 1997 03 04.30318	10 29 40.69	+08 05 07.9	21.5 V	691	1997 EX ₂₁	1997 03 11.37744	10 30 38.38	+08 48 05.2	19.1 V	691
1997 EP ₂₁	1997 03 04.32419	10 29 39.71	+08 05 11.7	21.2 V	691	1997 EX ₂₁	1997 03 11.39922	10 30 37.27	+08 48 09.2	19.3 V	691
1997 EP ₂₁	1997 03 04.34582	10 29 38.63	+08 05 16.4	21.3 V	691	1997 EY ₂₁	* 1997 03 04.30840	10 37 13.39	+08 06 08.5	20.7 V	691
1997 EP ₂₁	1997 03 11.28572	10 24 22.25	+08 27 50.8	21.4 V	691	1997 EY ₂₁	1997 03 04.32941	10 37 12.39	+08 06 17.7	20.5 V	691
1997 EP ₂₁	1997 03 11.30716	10 24 21.25	+08 27 55.1	21.9 V	691	1997 EY ₂₁	1997 03 04.35105	10 37 11.36	+08 06 27.9	20.6 V	691
1997 EP ₂₁	1997 03 11.32973	10 24 20.26	+08 27 59.0	22.1 V	691	1997 EY ₂₁	1997 03 11.35711	10 32 00.70	+09 00 05.3	21.1 V	691
1997 EQ ₂₁	* 1997 03 04.30320	10 29 42.64	+08 21 21.1	19.8 V	691	1997 EY ₂₁	1997 03 11.37838	10 31 59.76	+09 00 14.9	21.0 V	691
1997 EQ ₂₁	1997 03 04.32421	10 29 41.54	+08 21 22.5	20.0 V	691	1997 EY ₂₁	1997 03 11.40016	10 31 58.80	+09 00 24.8	21.1 V	691
1997 EQ ₂₁	1997 03 04.34584	10 29 40.37	+08 21 24.5	20.2 V	691	1997 EZ ₂₁	* 1997 03 04.30843	10 37 15.98	+08 17 35.4	20.2 V	691
1997 EQ ₂₁	1997 03 11.28531	10 23 47.46	+08 29 30.6	20.1 V	691	1997 EZ ₂₁	1997 03 04.32944	10 37 14.72	+08 17 41.8	20.3 V	691
1997 EQ ₂₁	1997 03 11.30675	10 23 46.38	+08 29 32.2	20.2 V	691	1997 EZ ₂₁	1997 03 04.35107	10 37 13.47	+08 17 48.5	20.3 V	691
1997 EQ ₂₁	1997 03 11.32933	10 23 45.25	+08 29 33.5	20.3 V	691	1997 EZ ₂₁	1997 03 11.35635	10 30 54.80	+08 52 55.4	20.5 V	691
1997 ER ₂₁	* 1997 03 04.30322	10 29 44.85	+08 16 34.2	21.6 V	691	1997 EZ ₂₁	1997 03 11.37762	10 30 53.64	+08 53 01.0	20.7 V	691
1997 ER ₂₁	1997 03 04.32423	10 29 43.68	+08 16 41.6	21.5 V	691	1997 EZ ₂₁	1997 03 11.39940	10 30 52.48	+08 53 07.5	20.8 V	691
1997 ER ₂₁	1997 03 04.34587	10 29 42.48	+08 16 49.7	21.6 V	691	1997 EA ₂₂	* 1997 03 04.30863	10 37 33.34	+08 17 27.5	20.3 V	691
1997 ER ₂₁	1997 03 11.35147	10 23 51.91	+08 56 17.7	21.6 V	691	1997 EA ₂₂	1997 03 04.32964	10 37 32.32	+08 17 35.0	20.5 V	691
1997 ER ₂₁	1997 03 11.37273	10 23 50.83	+08 56 23.6	21.3 V	691	1997 EA ₂₂	1997 03 04.35128	10 37 31.34	+08 17 43.1	20.3 V	691
1997 ER ₂₁	1997 03 11.39452	10 23 49.78	+08 56 30.8	21.7 V	691	1997 EA ₂₂	1997 03 11.35742	10 32 27.37	+08 59 09.0	20.6 V	691
1997 ES ₂₁	* 1997 03 04.30548	10 33 00.01	+08 20 04.7	20.2 V	691	1997 EA ₂₂	1997 03 11.37869	10 32 26.45	+08 59 16.2	20.5 V	691
1997 ES ₂₁	1997 03 04.32649	10 32 58.85	+08 20 11.1	20.7 V	691	1997 EA ₂₂	1997 03 11.40047	10 32 25.51	+08 59 23.8	20.6 V	691
1997 ES ₂₁	1997 03 04.34812	10 32 57.62	+08 20 17.8	20.1 V	691	1997 EB ₂₂	* 1997 03 05.20588	10 06 06.62	+02 41 42.9	19.3 V	691

1997 EB ₂₂	1997 03 05.22689	10 06 05.35	+02 41 43.8	19.2 V	691	1997 EK ₂₂	1997 03 11.48136	12 05 08.64	-02 32 23.6	19.5 V	691
1997 EB ₂₂	1997 03 05.24992	10 06 03.95	+02 41 44.1	19.1 V	691	1997 EL ₂₂	* 1997 03 05.41115	12 17 44.32	-02 49 55.5	18.5 V	691
1997 EB ₂₂	1997 03 11.21113	10 00 33.25	+02 43 10.7	19.2 V	691	1997 EL ₂₂	1997 03 05.43223	12 17 43.21	-02 49 55.3	18.4 V	691
1997 EB ₂₂	1997 03 11.23275	10 00 32.06	+02 43 11.5	19.3 V	691	1997 EL ₂₂	1997 03 05.45326	12 17 42.11	-02 49 55.1	18.4 V	691
1997 EB ₂₂	1997 03 11.25540	10 00 30.84	+02 43 11.8	19.2 V	691	1997 EL ₂₂	1997 03 11.46473	12 12 18.78	-02 47 36.8	18.4 V	691
1997 EC ₂₂	* 1997 03 05.20614	10 06 29.21	+02 44 50.7	20.9 V	691	1997 EL ₂₂	1997 03 11.48595	12 12 17.56	-02 47 36.2	18.3 V	691
1997 EC ₂₂	1997 03 05.22715	10 06 27.96	+02 44 53.4	20.8 V	691	1997 EM ₂₂	* 1997 03 05.41268	12 19 56.62	-02 40 26.1	20.1 V	691
1997 EC ₂₂	1997 03 05.25018	10 06 26.58	+02 44 56.0	20.7 V	691	1997 EM ₂₂	1997 03 05.43375	12 19 55.36	-02 40 28.3	20.1 V	691
1997 EC ₂₂	1997 03 11.21140	10 00 56.05	+02 56 08.2	21.1 V	691	1997 EM ₂₂	1997 03 05.45478	12 19 54.12	-02 40 31.2	20.0 V	691
1997 EC ₂₂	1997 03 11.23301	10 00 54.87	+02 56 11.3	21.1 V	691	1997 EM ₂₂	1997 03 11.41733	12 13 49.19	-02 51 32.0	19.6 V	691
1997 EC ₂₂	1997 03 11.25566	10 00 53.64	+02 56 14.1	20.9 V	691	1997 EM ₂₂	1997 03 11.46574	12 13 45.99	-02 51 36.7	19.9 V	691
1997 ED ₂₂	* 1997 03 05.21328	10 16 47.19	+02 44 01.9	19.2 V	691	1997 EM ₂₂	1997 03 11.48696	12 13 44.59	-02 51 39.0	19.7 V	691
1997 ED ₂₂	1997 03 05.23429	10 16 46.05	+02 44 03.3	19.0 V	691	1997 EN ₂₂	* 1997 03 05.41631	12 25 11.11	-02 58 18.9	19.2 V	691
1997 ED ₂₂	1997 03 05.25732	10 16 44.80	+02 44 04.0	19.0 V	691	1997 EN ₂₂	1997 03 05.43739	12 25 10.16	-02 58 17.2	19.2 V	691
1997 ED ₂₂	1997 03 11.21885	10 11 41.45	+02 50 06.7	18.6 V	691	1997 EN ₂₂	1997 03 05.45842	12 25 09.24	-02 58 15.2	19.2 V	691
1997 ED ₂₂	1997 03 11.24046	10 11 40.36	+02 50 07.8	18.6 V	691	1997 EN ₂₂	1997 03 11.42211	12 20 43.80	-02 48 50.8	19.3 V	691
1997 ED ₂₂	1997 03 11.26312	10 11 39.21	+02 50 09.7	18.6 V	691	1997 EN ₂₂	1997 03 11.47053	12 20 41.43	-02 48 45.4	19.2 V	691
1997 EE ₂₂	* 1997 03 05.21341	10 16 58.76	+02 38 02.0	21.8 V	691	1997 EN ₂₂	1997 03 11.49176	12 20 40.41	-02 48 43.1	19.1 V	691
1997 EE ₂₂	1997 03 05.23442	10 16 57.47	+02 38 02.8	21.2 V	691	1997 EO ₂₂	* 1997 03 05.41641	12 25 20.47	-02 57 05.2	19.2 V	691
1997 EE ₂₂	1997 03 05.25745	10 16 56.03	+02 38 03.8	20.7 V	691	1997 EO ₂₂	1997 03 05.43749	12 25 19.55	-02 57 00.5	19.1 V	691
1997 EE ₂₂	1997 03 11.21854	10 11 14.68	+02 43 00.4	20.9 V	691	1997 EO ₂₂	1997 03 05.45853	12 25 18.66	-02 56 55.4	19.2 V	691
1997 EE ₂₂	1997 03 11.24015	10 11 13.49	+02 43 01.4	21.1 V	691	1997 EO ₂₂	1997 03 11.42225	12 20 56.08	-02 32 24.8	19.1 V	691
1997 EE ₂₂	1997 03 11.26281	10 11 12.20	+02 43 02.8	21.0 V	691	1997 EO ₂₂	1997 03 11.47068	12 20 53.74	-02 32 11.9	19.2 V	691
1997 EF ₂₂	* 1997 03 05.27133	10 16 43.88	+08 43 48.6	19.8 V	691	1997 EO ₂₂	1997 03 11.49190	12 20 52.72	-02 32 06.5	19.1 V	691
1997 EF ₂₂	1997 03 05.29267	10 16 42.50	+08 43 51.6	19.8 V	691	1997 EP ₂₂	* 1997 03 05.41650	12 25 27.42	-03 00 10.4	21.3 V	691
1997 EF ₂₂	1997 03 05.31407	10 16 41.17	+08 43 54.8	19.8 V	691	1997 EP ₂₂	1997 03 05.43757	12 25 26.47	-03 00 07.9	21.1 V	691
1997 EF ₂₂	1997 03 11.34296	10 10 57.38	+08 57 49.3	19.6 V	691	1997 EP ₂₂	1997 03 05.45861	12 25 25.55	-03 00 05.3	21.0 V	691
1997 EF ₂₂	1997 03 11.36423	10 10 56.16	+08 57 51.5	19.6 V	691	1997 EP ₂₂	1997 03 11.42225	12 20 55.57	-02 46 28.4	21.0 V	691
1997 EF ₂₂	1997 03 11.38602	10 10 54.92	+08 57 54.2	19.9 V	691	1997 EP ₂₂	1997 03 11.47067	12 20 53.16	-02 46 21.3	21.1 V	691
1997 EG ₂₂	* 1997 03 05.27614	10 23 40.62	+08 48 52.5	20.6 V	691	1997 EQ ₂₂	* 1997 03 05.42077	12 31 38.08	-03 00 54.3	19.5 V	691
1997 EG ₂₂	1997 03 05.29749	10 23 39.55	+08 48 55.8	20.1 V	691	1997 EQ ₂₂	1997 03 05.44186	12 31 37.32	-03 00 49.2	19.3 V	691
1997 EG ₂₂	1997 03 05.31889	10 23 38.46	+08 48 58.6	20.3 V	691	1997 EQ ₂₂	1997 03 05.46289	12 31 36.53	-03 00 44.2	19.4 V	691
1997 EG ₂₂	1997 03 11.34807	10 18 57.92	+09 03 23.2	20.1 V	691	1997 EQ ₂₂	1997 03 11.42707	12 27 53.19	-02 35 23.0	19.4 V	691
1997 EG ₂₂	1997 03 11.36934	10 18 56.96	+09 03 25.6	20.1 V	691	1997 EQ ₂₂	1997 03 11.47550	12 27 51.24	-02 35 09.9	19.4 V	691
1997 EG ₂₂	1997 03 11.39112	10 18 55.95	+09 03 28.6	20.5 V	691	1997 EQ ₂₂	1997 03 11.49672	12 27 50.37	-02 35 03.9	19.4 V	691
1997 EH ₂₂	* 1997 03 05.27657	10 24 18.09	+08 42 08.2	20.0 V	691	1997 ER ₂₂	* 1997 03 10.20352	10 18 36.75	+02 27 19.7	19.4 V	691
1997 EH ₂₂	1997 03 05.29792	10 24 16.77	+08 42 10.0	20.2 V	691	1997 ER ₂₂	1997 03 10.22508	10 18 35.78	+02 27 28.7	19.4 V	691
1997 EH ₂₂	1997 03 05.31932	10 24 15.44	+08 42 12.0	20.1 V	691	1997 ER ₂₂	1997 03 10.24600	10 18 34.80	+02 27 36.7	19.6 V	691
1997 EH ₂₂	1997 03 11.34770	10 18 25.34	+08 50 23.0	19.9 V	691	1997 ER ₂₂	1997 03 11.22313	10 17 52.24	+02 34 07.3	20.1 V	691
1997 EH ₂₂	1997 03 11.36896	10 18 24.14	+08 50 24.2	20.0 V	691	1997 ER ₂₂	1997 03 11.24474	10 17 51.27	+02 34 15.8	20.2 V	691
1997 EH ₂₂	1997 03 11.39074	10 18 22.86	+08 50 25.8	20.2 V	691	1997 ER ₂₂	1997 03 11.26740	10 17 50.23	+02 34 24.7	19.7 V	691
1997 EJ ₂₂	* 1997 03 05.27864	10 27 17.49	+08 59 21.5	21.2 V	691	1997 ES ₂₂	* 1997 03 10.20406	10 19 23.32	+02 30 52.2	19.8 V	691
1997 EJ ₂₂	1997 03 05.29999	10 27 16.30	+08 59 22.4	20.6 V	691	1997 ES ₂₂	1997 03 10.22562	10 19 22.26	+02 30 56.4	18.8 V	691
1997 EJ ₂₂	1997 03 05.32139	10 27 15.11	+08 59 23.5	21.0 V	691	1997 ES ₂₂	1997 03 10.24654	10 19 21.16	+02 30 57.0	19.8 V	691
1997 EJ ₂₂	1997 03 11.35011	10 21 54.38	+09 02 25.1	20.7 V	691	1997 ES ₂₂	1997 03 11.22360	10 18 33.40	+02 32 56.7	20.0 V	691
1997 EJ ₂₂	1997 03 11.37138	10 21 53.25	+09 02 25.2	20.7 V	691	1997 ES ₂₂	1997 03 11.24522	10 18 32.32	+02 32 59.4	19.9 V	691
1997 EJ ₂₂	1997 03 11.39316	10 21 52.15	+09 02 26.0	20.5 V	691	1997 ES ₂₂	1997 03 11.26787	10 18 31.18	+02 33 01.9	19.6 V	691
1997 EK ₂₂	* 1997 03 05.40629	12 10 43.54	-02 39 10.7	19.8 V	691	1997 ET ₂₂	* 1997 03 10.20553	10 21 30.34	+02 28 48.4	21.1 V	691
1997 EK ₂₂	1997 03 05.42737	12 10 42.41	-02 39 09.0	19.8 V	691	1997 ET ₂₂	1997 03 10.22709	10 21 29.45	+02 28 58.0	21.1 V	691
1997 EK ₂₂	1997 03 05.44840	12 10 41.27	-02 39 08.0	19.5 V	691	1997 ET ₂₂	1997 03 10.24801	10 21 28.59	+02 29 07.1	21.0 V	691
1997 EK ₂₂	1997 03 11.41170	12 05 12.68	-02 32 29.8	19.7 V	691	1997 ET ₂₂	1997 03 11.22519	10 20 51.10	+02 36 16.4	21.3 V	691
1997 EK ₂₂	1997 03 11.46014	12 05 09.88	-02 32 25.9	19.5 V	691	1997 ET ₂₂	1997 03 11.24681	10 20 50.24	+02 36 25.4	21.3 V	691

1997 ET ₂₂		1997 03 11.26947	10 20 49.35	+02 36 35.3	21.0 V	691	1997 EC ₂₃		1997 03 11.29372	10 35 55.45	+08 04 16.8	20.3 V	691
1997 EU ₂₂	*	1997 03 10.20576	10 21 50.78	+02 30 32.9	19.8 V	691	1997 EC ₂₃		1997 03 11.31515	10 35 54.09	+08 04 22.9	20.1 V	691
1997 EU ₂₂		1997 03 10.22732	10 21 49.82	+02 30 44.9	19.7 V	691	1997 EC ₂₃		1997 03 11.33772	10 35 52.70	+08 04 28.7	20.2 V	691
1997 EU ₂₂		1997 03 10.24824	10 21 48.90	+02 30 56.4	19.8 V	691	1997 EN ₂₃	*	1997 03 08.31428	10 03 37.24	+01 32 59.8	20.4 V	691
1997 EU ₂₂		1997 03 11.22539	10 21 08.16	+02 39 56.3	19.7 V	691	1997 EN ₂₃		1997 03 08.33522	10 03 41.56	+01 33 24.4	20.7 V	691
1997 EU ₂₂		1997 03 11.24701	10 21 07.21	+02 40 07.6	19.7 V	691	1997 EN ₂₃		1997 03 08.35628	10 03 45.98	+01 33 50.4	20.5 V	691
1997 EU ₂₂		1997 03 11.26966	10 21 06.23	+02 40 19.9	19.6 V	691	1997 EN ₂₃		1997 03 09.20736	10 06 58.48	+01 50 57.4	20.9 V	691
1997 EV ₂₂	*	1997 03 10.20635	10 22 42.20	+02 29 28.2	21.0 V	691	1997 EN ₂₃		1997 03 09.21278	10 06 59.69	+01 51 04.6	20.2 V	691
1997 EV ₂₂		1997 03 10.22792	10 22 41.35	+02 29 41.4	20.9 V	691	1997 EN ₂₃		1997 03 09.21772	10 07 00.75	+01 51 11.1	20.3 V	691
1997 EV ₂₂		1997 03 10.24884	10 22 40.52	+02 29 54.9	21.1 V	691	1997 EN ₂₃		1997 03 10.34554	10 11 17.06	+02 14 13.5	20.5 V	691
1997 EV ₂₂		1997 03 11.22603	10 22 03.30	+02 40 30.1	21.2 V	691	1997 EN ₂₃		1997 03 10.35002	10 11 18.01	+02 14 19.0	20.5 V	691
1997 EV ₂₂		1997 03 11.24764	10 22 02.41	+02 40 43.4	21.4 V	691	1997 EN ₂₃		1997 03 10.35390	10 11 18.86	+02 14 23.4	20.5 V	691
1997 EV ₂₂		1997 03 11.27030	10 22 01.51	+02 40 58.1	21.1 V	691	1997 EN ₂₃		1997 03 11.22096	10 14 43.98	+02 32 19.9	20.6 V	691
1997 EW ₂₂	*	1997 03 10.20716	10 23 51.88	+02 31 59.5	20.3 V	691	1997 EN ₂₃		1997 03 11.24264	10 14 48.79	+02 32 47.2	20.6 V	691
1997 EW ₂₂		1997 03 10.22872	10 23 50.74	+02 32 03.9	20.0 V	691	1997 EP ₂₃	*	1997 03 04.13456	08 31 16.39	+14 34 30.0	21.3 V	691
1997 EW ₂₂		1997 03 10.24964	10 23 49.62	+02 32 07.6	20.2 V	691	1997 EP ₂₃		1997 03 04.15636	08 31 15.71	+14 34 34.0	21.3 V	691
1997 EW ₂₂		1997 03 11.22667	10 22 59.07	+02 35 23.6	20.2 V	691	1997 EP ₂₃		1997 03 04.17810	08 31 15.04	+14 34 37.3	21.2 V	691
1997 EW ₂₂		1997 03 11.24828	10 22 57.92	+02 35 27.5	20.2 V	691	1997 EP ₂₃		1997 03 12.16887	08 28 09.23	+14 54 47.4	20.3 V	691
1997 EW ₂₂		1997 03 11.27094	10 22 56.72	+02 35 32.0	19.9 V	691	1997 EQ ₂₃	*	1997 03 04.13706	08 34 52.99	+15 00 30.7	16.9 V	691
1997 EX ₂₂	*	1997 03 10.20825	10 25 26.14	+02 24 53.2	21.0 V	691	1997 EQ ₂₃		1997 03 04.15886	08 34 52.15	+15 00 30.9	16.9 V	691
1997 EX ₂₂		1997 03 10.22981	10 25 25.30	+02 25 02.7	20.5 V	691	1997 EQ ₂₃		1997 03 04.18059	08 34 51.32	+15 00 30.9	16.9 V	691
1997 EX ₂₂		1997 03 10.25073	10 25 24.47	+02 25 12.3	21.2 V	691	1997 EQ ₂₃		1997 03 12.12650	08 30 42.47	+14 59 47.6	17.1 V	691
1997 EX ₂₂		1997 03 11.22792	10 24 47.57	+02 32 39.7	21.2 V	691	1997 EQ ₂₃		1997 03 12.14826	08 30 41.90	+14 59 47.0	17.1 V	691
1997 EX ₂₂		1997 03 11.24954	10 24 46.72	+02 32 49.3	21.2 V	691	1997 EQ ₂₃		1997 03 12.17063	08 30 41.32	+14 59 46.7	17.1 V	691
1997 EX ₂₂		1997 03 11.27220	10 24 45.85	+02 32 59.5	21.1 V	691	1997 ER ₂₃	*	1997 03 04.14063	08 40 02.82	+14 40 43.5	20.5 V	691
1997 EY ₂₂	*	1997 03 10.26540	10 18 58.37	+07 54 29.1	20.9 V	691	1997 ER ₂₃		1997 03 04.16244	08 40 02.15	+14 40 45.9	20.7 V	691
1997 EY ₂₂		1997 03 10.29861	10 18 56.87	+07 54 51.0	20.2 V	691	1997 ER ₂₃		1997 03 04.18417	08 40 01.47	+14 40 48.7	20.5 V	691
1997 EY ₂₂		1997 03 10.32720	10 18 55.72	+07 55 09.7	21.0 V	691	1997 ER ₂₃		1997 03 12.13075	08 36 51.02	+14 54 44.0	20.8 V	691
1997 EY ₂₂		1997 03 11.28150	10 18 17.21	+08 05 30.1	20.7 V	691	1997 ER ₂₃		1997 03 12.15251	08 36 50.59	+14 54 45.6	20.7 V	691
1997 EY ₂₂		1997 03 11.30294	10 18 16.31	+08 05 44.2	20.8 V	691	1997 ER ₂₃		1997 03 12.17489	08 36 50.13	+14 54 47.6	20.9 V	691
1997 EY ₂₂		1997 03 11.32552	10 18 15.22	+08 05 57.7	20.5 V	691	1997 ES ₂₃	*	1997 03 04.15056	08 22 52.85	+14 30 17.1	20.8 V	691
1997 EZ ₂₂	*	1997 03 10.27306	10 30 02.60	+07 52 13.9	20.6 V	691	1997 ES ₂₃		1997 03 04.17229	08 22 52.26	+14 30 21.3	21.5 V	691
1997 EZ ₂₂		1997 03 10.30627	10 30 00.87	+07 52 31.0	20.5 V	691	1997 ES ₂₃		1997 03 12.11923	08 20 13.05	+14 54 54.9	21.6 V	691
1997 EZ ₂₂		1997 03 10.33486	10 29 59.38	+07 52 45.6	20.8 V	691	1997 ES ₂₃		1997 03 12.14099	08 20 12.68	+14 54 58.8	21.2 V	691
1997 EZ ₂₂		1997 03 11.28906	10 29 12.19	+08 00 54.3	20.6 V	691	1997 ES ₂₃		1997 03 12.16336	08 20 12.29	+14 55 02.8	20.9 V	691
1997 EZ ₂₂		1997 03 11.31050	10 29 11.11	+08 01 04.9	20.6 V	691	1997 ET ₂₃	*	1997 03 05.14123	08 25 10.17	+14 23 17.5	19.9 V	691
1997 EZ ₂₂		1997 03 11.33307	10 29 09.94	+08 01 16.5	20.4 V	691	1997 ET ₂₃		1997 03 05.16313	08 25 09.80	+14 23 23.1	19.7 V	691
1997 EA ₂₃	*	1997 03 10.27654	10 35 03.71	+08 01 02.3	19.5 V	691	1997 ET ₂₃		1997 03 05.18496	08 25 09.44	+14 23 28.8	19.7 V	691
1997 EA ₂₃		1997 03 10.30975	10 35 01.76	+08 01 02.9	19.4 V	691	1997 ET ₂₃		1997 03 12.12215	08 24 25.71	+14 50 23.1	20.0 V	691
1997 EA ₂₃		1997 03 10.33833	10 35 00.06	+08 01 03.2	19.5 V	691	1997 ET ₂₃		1997 03 12.14391	08 24 25.67	+14 50 27.9	20.0 V	691
1997 EA ₂₃		1997 03 11.29245	10 34 05.92	+08 01 21.6	19.3 V	691	1997 ET ₂₃		1997 03 12.16629	08 24 25.64	+14 50 32.6	19.8 V	691
1997 EA ₂₃		1997 03 11.31389	10 34 04.65	+08 01 22.2	19.3 V	691	1997 EU ₂₃	*	1997 03 05.14264	08 27 12.94	+14 05 33.6	18.7 V	691
1997 EA ₂₃		1997 03 11.33646	10 34 03.35	+08 01 22.5	19.2 V	691	1997 EU ₂₃		1997 03 05.16455	08 27 12.57	+14 05 42.1	18.9 V	691
1997 EB ₂₃	*	1997 03 10.27720	10 36 00.92	+08 00 07.3	21.4 V	691	1997 EU ₂₃		1997 03 05.18638	08 27 12.20	+14 05 51.0	19.0 V	691
1997 EB ₂₃		1997 03 10.31041	10 35 59.34	+08 00 20.1	20.6 V	691	1997 EU ₂₃		1997 03 12.12336	08 26 10.91	+14 48 21.5	19.2 V	691
1997 EB ₂₃		1997 03 10.33900	10 35 58.01	+08 00 31.7	21.2 V	691	1997 EU ₂₃		1997 03 12.14513	08 26 10.82	+14 48 28.4	19.2 V	691
1997 EB ₂₃		1997 03 11.29325	10 35 14.92	+08 06 57.7	21.0 V	691	1997 EU ₂₃		1997 03 12.16750	08 26 10.71	+14 48 36.3	19.2 V	691
1997 EB ₂₃		1997 03 11.31469	10 35 13.90	+08 07 06.7	21.2 V	691	1997 EV ₂₃	*	1997 03 05.14330	08 28 09.81	+14 06 51.6	19.9 V	691
1997 EB ₂₃		1997 03 11.33726	10 35 12.88	+08 07 15.3	21.1 V	691	1997 EV ₂₃		1997 03 05.16520	08 28 09.30	+14 06 58.2	20.8 V	691
1997 EC ₂₃	*	1997 03 10.27784	10 36 56.77	+07 59 34.0	20.2 V	691	1997 EV ₂₃		1997 03 05.18703	08 28 08.70	+14 07 03.9	20.8 V	691
1997 EC ₂₃		1997 03 10.31105	10 36 54.70	+07 59 43.4	20.1 V	691	1997 EV ₂₃		1997 03 12.12312	08 25 49.69	+14 34 35.3	21.1 V	691
1997 EC ₂₃		1997 03 10.33964	10 36 52.92	+07 59 51.4	20.4 V	691	1997 EV ₂₃		1997 03 12.14488	08 25 49.37	+14 34 40.3	20.6 V	691

1997 EV ₂₃	1997 03 12.16725	08 25 49.00	+14 34 45.5	20.7 V	691	1997 EE ₂₄	1997 03 12.35135	10 38 50.77	+17 22 19.6	19.8 V	691
1997 EW ₂₃	* 1997 03 05.14358	08 28 34.13	+14 21 56.2	20.7 V	691	1997 EF ₂₄	* 1997 03 05.33997	10 46 10.72	+16 49 20.1	19.9 V	691
1997 EW ₂₃	1997 03 05.16548	08 28 33.66	+14 22 02.8	20.9 V	691	1997 EF ₂₄	1997 03 05.36192	10 46 09.37	+16 49 26.5	20.1 V	691
1997 EW ₂₃	1997 03 12.12424	08 27 26.65	+14 54 33.7	20.8 V	691	1997 EF ₂₄	1997 03 05.38549	10 46 07.88	+16 49 33.2	20.1 V	691
1997 EW ₂₃	1997 03 12.14600	08 27 26.56	+14 54 39.2	20.2 V	691	1997 EF ₂₄	1997 03 12.26645	10 39 32.20	+17 17 23.2	21.1 V	691
1997 EW ₂₃	1997 03 12.16838	08 27 26.49	+14 54 45.3	20.4 V	691	1997 EF ₂₄	1997 03 12.30284	10 39 30.11	+17 17 30.7	20.6 V	691
1997 EX ₂₃	* 1997 03 05.14466	08 30 07.74	+14 28 31.5	19.0 V	691	1997 EF ₂₄	1997 03 12.35178	10 39 27.32	+17 17 40.2	20.7 V	691
1997 EX ₂₃	1997 03 05.16656	08 30 07.23	+14 28 35.7	19.0 V	691	1997 EG ₂₄	* 1997 03 05.34109	10 47 47.64	+16 38 02.8	21.1 V	691
1997 EX ₂₃	1997 03 05.18839	08 30 06.71	+14 28 40.0	19.1 V	691	1997 EG ₂₄	1997 03 05.36304	10 47 46.40	+16 38 04.3	21.2 V	691
1997 EX ₂₃	1997 03 12.12484	08 28 18.91	+14 48 30.2	19.2 V	691	1997 EG ₂₄	1997 03 05.38661	10 47 45.09	+16 38 05.9	20.9 V	691
1997 EX ₂₃	1997 03 12.14660	08 28 18.67	+14 48 33.5	19.0 V	691	1997 EG ₂₄	1997 03 12.18714	10 41 36.82	+16 45 13.9	21.2 V	691
1997 EX ₂₃	1997 03 12.16898	08 28 18.44	+14 48 36.9	19.0 V	691	1997 EG ₂₄	1997 03 12.20936	10 41 35.62	+16 45 15.1	21.0 V	691
1997 EY ₂₃	* 1997 03 05.14790	08 34 48.27	+14 09 47.3	20.7 V	691	1997 EG ₂₄	1997 03 12.23179	10 41 34.40	+16 45 16.0	21.0 V	691
1997 EY ₂₃	1997 03 05.16980	08 34 47.93	+14 09 57.1	20.7 V	691	1997 EH ₂₄	* 1997 03 05.34112	10 47 50.59	+16 47 26.1	20.0 V	691
1997 EY ₂₃	1997 03 05.19164	08 34 47.66	+14 10 06.8	20.7 V	691	1997 EH ₂₄	1997 03 05.36308	10 47 49.31	+16 47 36.5	20.1 V	691
1997 EY ₂₃	1997 03 12.12899	08 34 18.67	+14 57 30.1	21.0 V	691	1997 EH ₂₄	1997 03 05.38664	10 47 47.91	+16 47 47.2	20.1 V	691
1997 EY ₂₃	1997 03 12.15076	08 34 18.69	+14 57 38.2	20.9 V	691	1997 EH ₂₄	1997 03 12.37734	10 41 16.05	+17 38 33.5	20.5 V	691
1997 EY ₂₃	1997 03 12.17314	08 34 18.74	+14 57 47.4	20.3 V	691	1997 EH ₂₄	1997 03 12.39953	10 41 14.80	+17 38 42.5	20.1 V	691
1997 EZ ₂₃	* 1997 03 05.14809	08 35 04.94	+14 14 49.7	19.2 V	691	1997 EH ₂₄	1997 03 12.42188	10 41 13.55	+17 38 51.2	20.1 V	691
1997 EZ ₂₃	1997 03 05.16999	08 35 04.25	+14 14 57.1	19.0 V	691	1997 EJ ₂₄	* 1997 03 05.34117	10 47 54.94	+16 57 50.2	19.8 V	691
1997 EZ ₂₃	1997 03 05.19182	08 35 03.60	+14 15 05.2	18.9 V	691	1997 EJ ₂₄	1997 03 05.36313	10 47 53.66	+16 57 57.9	19.9 V	691
1997 EZ ₂₃	1997 03 12.12774	08 32 29.93	+14 52 21.0	19.2 V	691	1997 EJ ₂₄	1997 03 05.38669	10 47 52.28	+16 58 06.5	19.8 V	691
1997 EZ ₂₃	1997 03 12.14950	08 32 29.55	+14 52 27.3	19.0 V	691	1997 EJ ₂₄	1997 03 12.37753	10 41 32.13	+17 35 36.6	20.0 V	691
1997 EZ ₂₃	1997 03 12.17187	08 32 29.19	+14 52 33.8	19.1 V	691	1997 EJ ₂₄	1997 03 12.39971	10 41 30.92	+17 35 42.8	20.1 V	691
1997 EA ₂₄	* 1997 03 05.14956	08 37 11.69	+14 28 11.4	19.6 V	691	1997 EJ ₂₄	1997 03 12.42207	10 41 29.70	+17 35 48.5	19.7 V	691
1997 EA ₂₄	1997 03 05.17145	08 37 10.94	+14 28 12.8	19.3 V	691	1997 EK ₂₄	* 1997 03 05.34136	10 48 11.10	+16 54 31.4	20.4 V	691
1997 EA ₂₄	1997 03 12.12888	08 34 08.46	+14 34 01.9	19.5 V	691	1997 EK ₂₄	1997 03 05.36332	10 48 10.18	+16 54 35.7	20.4 V	691
1997 EA ₂₄	1997 03 12.15064	08 34 08.00	+14 34 02.6	19.6 V	691	1997 EK ₂₄	1997 03 05.38689	10 48 09.22	+16 54 40.1	20.4 V	691
1997 EA ₂₄	1997 03 12.17301	08 34 07.50	+14 34 03.7	19.5 V	691	1997 EK ₂₄	1997 03 12.26923	10 43 33.27	+17 16 00.1	21.4 V	691
1997 EB ₂₄	* 1997 03 05.15244	08 41 21.10	+14 28 21.7	20.7 V	691	1997 EK ₂₄	1997 03 12.30563	10 43 31.80	+17 16 06.0	21.0 V	691
1997 EB ₂₄	1997 03 05.17433	08 41 20.35	+14 28 27.5	20.9 V	691	1997 EK ₂₄	1997 03 12.35458	10 43 29.82	+17 16 14.0	21.3 V	691
1997 EB ₂₄	1997 03 05.19616	08 41 19.57	+14 28 33.8	20.8 V	691	1997 EL ₂₄	* 1997 03 05.34207	10 49 12.73	+16 44 34.4	18.5 V	691
1997 EB ₂₄	1997 03 12.13150	08 37 55.66	+14 58 33.4	21.0 V	691	1997 EL ₂₄	1997 03 05.36402	10 49 11.49	+16 44 35.1	18.6 V	691
1997 EB ₂₄	1997 03 12.15326	08 37 55.12	+14 58 38.2	20.5 V	691	1997 EL ₂₄	1997 03 05.38759	10 49 10.16	+16 44 35.7	18.4 V	691
1997 EB ₂₄	1997 03 12.17563	08 37 54.52	+14 58 44.0	20.8 V	691	1997 EL ₂₄	1997 03 12.18817	10 43 05.56	+16 45 30.9	18.8 V	691
1997 EC ₂₄	* 1997 03 05.33870	10 44 20.96	+16 37 07.8	20.8 V	691	1997 EL ₂₄	1997 03 12.21038	10 43 04.37	+16 45 30.7	18.8 V	691
1997 EC ₂₄	1997 03 05.36066	10 44 19.99	+16 37 17.0	21.1 V	691	1997 EL ₂₄	1997 03 12.23281	10 43 03.19	+16 45 30.6	18.8 V	691
1997 EC ₂₄	1997 03 05.38423	10 44 18.91	+16 37 26.2	20.7 V	691	1997 EM ₂₄	* 1997 03 05.34213	10 49 18.21	+16 56 08.7	19.0 V	691
1997 EC ₂₄	1997 03 12.26640	10 39 28.22	+17 20 13.3	21.1 V	691	1997 EM ₂₄	1997 03 05.36409	10 49 16.98	+16 56 14.0	18.9 V	691
1997 EC ₂₄	1997 03 12.30280	10 39 26.67	+17 20 26.1	20.5 V	691	1997 EM ₂₄	1997 03 05.38765	10 49 15.67	+16 56 19.5	18.8 V	691
1997 EC ₂₄	1997 03 12.35175	10 39 24.64	+17 20 43.2	21.0 V	691	1997 EM ₂₄	1997 03 12.26909	10 43 20.80	+17 19 43.4	18.9 V	691
1997 ED ₂₄	* 1997 03 05.33930	10 45 13.08	+16 38 58.9	21.3 V	691	1997 EM ₂₄	1997 03 12.30549	10 43 18.89	+17 19 49.2	18.9 V	691
1997 ED ₂₄	1997 03 05.36126	10 45 11.93	+16 39 03.0	21.1 V	691	1997 EM ₂₄	1997 03 12.35442	10 43 16.36	+17 19 56.9	19.1 V	691
1997 ED ₂₄	1997 03 05.38483	10 45 10.71	+16 39 08.9	19.9 V	691	1997 EN ₂₄	* 1997 03 05.34357	10 51 22.92	+16 41 27.1	18.4 V	691
1997 ED ₂₄	1997 03 12.18582	10 39 42.42	+16 56 26.6	21.1 V	691	1997 EN ₂₄	1997 03 05.36552	10 51 21.38	+16 41 29.7	18.3 V	691
1997 ED ₂₄	1997 03 12.20804	10 39 41.34	+16 56 29.4	21.1 V	691	1997 EN ₂₄	1997 03 05.38909	10 51 19.75	+16 41 32.9	18.3 V	691
1997 ED ₂₄	1997 03 12.23047	10 39 40.25	+16 56 32.7	20.8 V	691	1997 EN ₂₄	1997 03 12.18878	10 43 59.00	+16 52 03.2	18.6 V	691
1997 EE ₂₄	* 1997 03 05.33973	10 45 49.93	+16 57 09.8	19.4 V	691	1997 EN ₂₄	1997 03 12.21100	10 43 57.57	+16 52 04.4	18.7 V	691
1997 EE ₂₄	1997 03 05.36168	10 45 48.51	+16 57 15.8	19.6 V	691	1997 EN ₂₄	1997 03 12.23342	10 43 56.12	+16 52 05.7	18.5 V	691
1997 EE ₂₄	1997 03 05.38525	10 45 46.97	+16 57 21.6	19.5 V	691	1997 EO ₂₄	* 1997 03 05.34519	10 53 43.52	+16 50 42.9	20.2 V	691
1997 EE ₂₄	1997 03 12.26603	10 38 55.84	+17 22 05.2	19.8 V	691	1997 EO ₂₄	1997 03 05.36715	10 53 42.10	+16 50 48.2	20.4 V	691
1997 EE ₂₄	1997 03 12.30242	10 38 53.56	+17 22 10.5	19.1 V	691	1997 EO ₂₄	1997 03 05.39071	10 53 40.61	+16 50 54.4	20.3 V	691

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1997 EO ₂₄	1997 03 12.27148	10 46 47.90	+17 17 11.7	20.4 V	691	1997 EX ₂₄	1997 03 05.39469	10 59 24.78	+16 35 31.7	20.3 V	691
1997 EO ₂₄	1997 03 12.30787	10 46 45.70	+17 17 18.4	20.2 V	691	1997 EX ₂₄	1997 03 12.27520	10 52 10.25	+17 04 05.9	20.6 V	691
1997 EO ₂₄	1997 03 12.35680	10 46 42.80	+17 17 27.8	20.5 V	691	1997 EX ₂₄	1997 03 12.31159	10 52 07.95	+17 04 13.9	20.9 V	691
1997 EP ₂₄	* 1997 03 05.34547	10 54 07.23	+16 50 20.9	21.3 V	691	1997 EX ₂₄	1997 03 12.36052	10 52 04.89	+17 04 24.0	21.1 V	691
1997 EP ₂₄	1997 03 05.36742	10 54 05.77	+16 50 26.1	21.2 V	691	1997 EY ₂₄	* 1997 03 05.35053	11 01 25.74	+16 56 27.5	19.5 V	691
1997 EP ₂₄	1997 03 05.39099	10 54 04.26	+16 50 31.8	21.1 V	691	1997 EY ₂₄	1997 03 05.37249	11 01 24.49	+16 56 36.1	19.4 V	691
1997 EP ₂₄	1997 03 12.27150	10 46 50.06	+17 14 36.0	20.9 V	691	1997 EY ₂₄	1997 03 05.39605	11 01 23.18	+16 56 46.0	19.3 V	691
1997 EP ₂₄	1997 03 12.30790	10 46 47.77	+17 14 42.4	21.0 V	691	1997 EY ₂₄	1997 03 12.38709	10 55 20.29	+17 39 58.5	19.4 V	691
1997 EP ₂₄	1997 03 12.35683	10 46 44.67	+17 14 51.1	21.1 V	691	1997 EY ₂₄	1997 03 12.40927	10 55 19.08	+17 40 05.2	19.6 V	691
1997 EQ ₂₄	* 1997 03 05.34584	10 54 39.88	+16 51 47.4	18.2 V	691	1997 EY ₂₄	1997 03 12.43163	10 55 17.89	+17 40 12.1	19.5 V	691
1997 EQ ₂₄	1997 03 05.36780	10 54 38.93	+16 51 58.9	18.2 V	691	1997 EZ ₂₄	* 1997 03 05.35084	11 01 52.16	+16 30 38.1	18.9 V	691
1997 EQ ₂₄	1997 03 05.39138	10 54 37.90	+16 52 11.6	18.3 V	691	1997 EZ ₂₄	1997 03 05.37279	11 01 50.80	+16 30 43.9	19.3 V	691
1997 EQ ₂₄	1997 03 12.38326	10 49 48.17	+17 50 47.7	18.3 V	691	1997 EZ ₂₄	1997 03 05.39636	11 01 49.32	+16 30 51.3	19.2 V	691
1997 EQ ₂₄	1997 03 12.40544	10 49 47.26	+17 50 58.2	18.3 V	691	1997 EZ ₂₄	1997 03 12.27705	10 54 50.62	+17 03 43.5	19.2 V	691
1997 EQ ₂₄	1997 03 12.42780	10 49 46.34	+17 51 08.6	18.4 V	691	1997 EZ ₂₄	1997 03 12.31345	10 54 48.41	+17 03 52.8	19.1 V	691
1997 ER ₂₄	* 1997 03 05.34592	10 54 45.97	+16 31 06.1	20.7 V	691	1997 EZ ₂₄	1997 03 12.36237	10 54 45.36	+17 04 05.3	19.2 V	691
1997 ER ₂₄	1997 03 05.36787	10 54 44.60	+16 31 13.8	20.8 V	691	1997 EA ₂₅	* 1997 03 05.35090	11 01 57.71	+16 53 01.9	21.2 V	691
1997 ER ₂₄	1997 03 05.39144	10 54 43.11	+16 31 22.2	20.5 V	691	1997 EA ₂₅	1997 03 05.37286	11 01 56.49	+16 53 08.8	20.9 V	691
1997 ER ₂₄	1997 03 12.27219	10 47 49.86	+17 08 17.9	21.0 V	691	1997 EA ₂₅	1997 03 05.39642	11 01 55.22	+16 53 17.0	20.7 V	691
1997 ER ₂₄	1997 03 12.30859	10 47 47.63	+17 08 27.9	20.6 V	691	1997 EA ₂₅	1997 03 12.27783	10 55 57.69	+17 28 16.4	21.0 V	691
1997 ER ₂₄	1997 03 12.35752	10 47 44.72	+17 08 42.1	21.0 V	691	1997 EA ₂₅	1997 03 12.31422	10 55 55.81	+17 28 26.8	20.9 V	691
1997 ES ₂₄	* 1997 03 05.34613	10 55 04.84	+16 31 42.6	20.6 V	691	1997 EA ₂₅	1997 03 12.36316	10 55 53.25	+17 28 39.6	20.9 V	691
1997 ES ₂₄	1997 03 05.36809	10 55 03.83	+16 31 50.6	20.5 V	691	1997 EB ₂₅	* 1997 03 07.21185	10 41 05.13	+17 32 02.4	20.4 V	691
1997 ES ₂₄	1997 03 05.39166	10 55 02.79	+16 31 59.5	20.6 V	691	1997 EB ₂₅	1997 03 07.23496	10 41 03.78	+17 32 02.5	20.2 V	691
1997 ES ₂₄	1997 03 12.27374	10 50 03.67	+17 11 46.6	20.4 V	691	1997 EB ₂₅	1997 03 07.25699	10 41 02.49	+17 32 02.5	20.4 V	691
1997 ES ₂₄	1997 03 12.31014	10 50 02.07	+17 11 58.4	20.4 V	691	1997 EB ₂₅	1997 03 12.26439	10 36 33.51	+17 29 28.7	20.0 V	691
1997 ES ₂₄	1997 03 12.35908	10 49 59.98	+17 12 13.9	20.7 V	691	1997 EB ₂₅	1997 03 12.30078	10 36 31.52	+17 29 25.9	20.2 V	691
1997 ET ₂₄	* 1997 03 05.34696	10 56 16.44	+16 56 30.9	18.7 V	691	1997 EB ₂₅	1997 03 12.34972	10 36 28.87	+17 29 23.0	20.3 V	691
1997 ET ₂₄	1997 03 05.36892	10 56 15.14	+16 56 40.0	19.0 V	691	1997 EC ₂₅	* 1997 03 07.21249	10 42 00.91	+17 39 10.6	18.8 V	691
1997 ET ₂₄	1997 03 05.39248	10 56 13.75	+16 56 50.0	18.6 V	691	1997 EC ₂₅	1997 03 07.23561	10 41 59.68	+17 39 16.3	18.8 V	691
1997 ET ₂₄	1997 03 12.38320	10 49 43.25	+17 41 48.9	18.9 V	691	1997 EC ₂₅	1997 03 07.25763	10 41 58.51	+17 39 22.1	18.7 V	691
1997 ET ₂₄	1997 03 12.40538	10 49 42.02	+17 41 56.4	18.6 V	691	1997 EC ₂₅	1997 03 12.37488	10 37 42.78	+17 59 18.1	18.5 V	691
1997 ET ₂₄	1997 03 12.42773	10 49 40.77	+17 42 04.0	18.6 V	691	1997 EC ₂₅	1997 03 12.39706	10 37 41.68	+17 59 22.6	18.6 V	691
1997 EU ₂₄	* 1997 03 05.34703	10 56 22.90	+16 33 31.9	19.5 V	691	1997 EC ₂₅	1997 03 12.41942	10 37 40.56	+17 59 27.2	18.6 V	691
1997 EU ₂₄	1997 03 05.36899	10 56 21.47	+16 33 38.2	19.5 V	691	1997 EC ₂₅	1997 03 13.34275	10 36 56.15	+18 02 37.6	19.1 V	691
1997 EU ₂₄	1997 03 05.39255	10 56 19.93	+16 33 45.5	19.5 V	691	1997 EC ₂₅	1997 03 13.36587	10 36 55.01	+18 02 41.9	18.8 V	691
1997 EU ₂₄	1997 03 12.27318	10 49 14.92	+17 04 38.5	19.3 V	691	1997 EC ₂₅	1997 03 13.38809	10 36 53.90	+18 02 46.1	18.6 V	691
1997 EU ₂₄	1997 03 12.30957	10 49 12.70	+17 04 46.5	19.2 V	691	1997 ED ₂₅	* 1997 03 07.21599	10 47 03.96	+17 36 33.8	19.0 V	691
1997 EU ₂₄	1997 03 12.35850	10 49 09.67	+17 04 58.2	19.5 V	691	1997 ED ₂₅	1997 03 07.26113	10 47 01.62	+17 36 47.4	19.3 V	691
1997 EV ₂₄	* 1997 03 05.34753	10 57 06.07	+16 37 36.9	19.2 V	691	1997 ED ₂₅	1997 03 12.37844	10 42 50.94	+18 00 24.1	19.0 V	691
1997 EV ₂₄	1997 03 05.36949	10 57 04.72	+16 37 43.3	19.5 V	691	1997 ED ₂₅	1997 03 12.40062	10 42 49.84	+18 00 29.6	19.1 V	691
1997 EV ₂₄	1997 03 05.39305	10 57 03.28	+16 37 50.4	19.3 V	691	1997 ED ₂₅	1997 03 12.42298	10 42 48.75	+18 00 35.0	19.1 V	691
1997 EV ₂₄	1997 03 12.27395	10 50 22.25	+17 09 10.4	19.4 V	691	1997 ED ₂₅	1997 03 13.34632	10 42 05.02	+18 04 25.7	19.3 V	691
1997 EV ₂₄	1997 03 12.31035	10 50 20.10	+17 09 19.0	19.3 V	691	1997 ED ₂₅	1997 03 13.36943	10 42 03.91	+18 04 31.2	19.1 V	691
1997 EV ₂₄	1997 03 12.35928	10 50 17.23	+17 09 30.4	19.5 V	691	1997 ED ₂₅	1997 03 13.39165	10 42 02.82	+18 04 36.5	19.1 V	691
1997 EW ₂₄	* 1997 03 05.34783	10 57 31.46	+16 53 48.3	17.9 V	691	1997 EE ₂₅	* 1997 03 07.21678	10 48 12.36	+17 47 29.9	20.2 V	691
1997 EW ₂₄	1997 03 05.36978	10 57 30.17	+16 53 49.5	18.0 V	691	1997 EE ₂₅	1997 03 07.23990	10 48 11.08	+17 47 32.6	20.1 V	691
1997 EW ₂₄	1997 03 05.39335	10 57 28.80	+16 53 51.3	18.0 V	691	1997 EE ₂₅	1997 03 07.26192	10 48 09.83	+17 47 35.2	20.3 V	691
1997 EW ₂₄	1997 03 12.19377	10 51 10.89	+16 58 46.6	18.2 V	691	1997 EE ₂₅	1997 03 12.37898	10 43 37.71	+17 55 20.3	20.5 V	691
1997 EW ₂₄	1997 03 12.21599	10 51 09.65	+16 58 47.0	18.2 V	691	1997 EE ₂₅	1997 03 12.40116	10 43 36.51	+17 55 21.5	20.4 V	691
1997 EX ₂₄	* 1997 03 05.34917	10 59 27.80	+16 35 19.3	20.4 V	691	1997 EE ₂₅	1997 03 12.42352	10 43 35.33	+17 55 22.6	20.4 V	691
1997 EX ₂₄	1997 03 05.37112	10 59 26.34	+16 35 25.1	20.5 V	691	1997 EF ₂₅	* 1997 03 07.22416	10 58 52.07	+17 40 54.3	17.5 V	691

1997 EF ₂₅	1997 03 07.24728	10 58 50.81	+17 40 59.2	17.7 V	691	1997 EK ₂₆	* 1997 03 04.38375	12 15 49.50	-02 22 41.8	21.0 V	691
1997 EF ₂₅	1997 03 07.26931	10 58 49.61	+17 41 03.7	17.4 V	691	1997 EK ₂₆	1997 03 04.40721	12 15 48.39	-02 22 37.5	21.1 V	691
1997 EF ₂₅	1997 03 12.38642	10 54 21.90	+17 57 19.9	17.5 V	691	1997 EK ₂₆	1997 03 04.42841	12 15 47.42	-02 22 33.8	20.9 V	691
1997 EF ₂₅	1997 03 12.40860	10 54 20.72	+17 57 23.6	17.4 V	691	1997 EK ₂₆	1997 03 13.41409	12 08 32.22	-01 54 13.6	20.9 V	691
1997 EF ₂₅	1997 03 12.43095	10 54 19.53	+17 57 27.2	17.5 V	691	1997 EK ₂₆	1997 03 13.43574	12 08 31.07	-01 54 09.5	20.8 V	691
1997 EG ₂₅	* 1997 03 07.22449	10 59 20.70	+17 40 13.5	20.4 V	691	1997 EK ₂₆	1997 03 13.45753	12 08 29.97	-01 54 05.2	20.9 V	691
1997 EG ₂₅	1997 03 07.24761	10 59 19.26	+17 40 19.7	20.2 V	691	1997 EL ₂₆	* 1997 03 04.38380	12 15 54.12	-02 11 46.5	20.7 V	691
1997 EG ₂₅	1997 03 07.26963	10 59 17.91	+17 40 25.1	20.1 V	691	1997 EL ₂₆	1997 03 04.40727	12 15 52.91	-02 11 40.6	20.9 V	691
1997 EG ₂₅	1997 03 12.38632	10 54 13.29	+18 01 02.2	19.9 V	691	1997 EL ₂₆	1997 03 04.42846	12 15 51.77	-02 11 36.0	20.7 V	691
1997 EG ₂₅	1997 03 12.40850	10 54 11.96	+18 01 07.0	20.1 V	691	1997 EL ₂₆	1997 03 13.41362	12 07 51.65	-01 33 52.0	20.8 V	691
1997 EG ₂₅	1997 03 12.43085	10 54 10.62	+18 01 11.5	20.0 V	691	1997 EL ₂₆	1997 03 13.43527	12 07 50.39	-01 33 47.3	20.9 V	691
1997 EG ₂₅	1997 03 13.35408	10 53 16.94	+18 04 27.4	20.3 V	691	1997 EL ₂₆	1997 03 13.45706	12 07 49.15	-01 33 41.2	20.3 V	691
1997 EG ₂₅	1997 03 13.37719	10 53 15.59	+18 04 32.3	20.2 V	691	1997 EM ₂₆	* 1997 03 04.38509	12 17 45.38	-02 25 00.1	19.7 V	691
1997 EG ₂₅	1997 03 13.39940	10 53 14.25	+18 04 36.3	20.6 V	691	1997 EM ₂₆	1997 03 04.40855	12 17 44.30	-02 24 53.6	19.6 V	691
1997 EH ₂₅	* 1997 03 07.22686	11 02 46.07	+17 41 13.1	20.3 V	691	1997 EM ₂₆	1997 03 04.42975	12 17 43.34	-02 24 48.1	19.6 V	691
1997 EH ₂₅	1997 03 07.24998	11 02 44.54	+17 41 19.4	20.1 V	691	1997 EM ₂₆	1997 03 13.41554	12 10 38.28	-01 39 59.3	19.7 V	691
1997 EH ₂₅	1997 03 07.27200	11 02 43.09	+17 41 25.0	20.0 V	691	1997 EM ₂₆	1997 03 13.43720	12 10 37.16	-01 39 52.7	19.3 V	691
1997 EH ₂₅	1997 03 12.38853	10 57 25.02	+18 00 32.9	19.9 V	691	1997 EM ₂₆	1997 03 13.45899	12 10 36.04	-01 39 45.7	19.2 V	691
1997 EH ₂₅	1997 03 12.41071	10 57 23.67	+18 00 37.0	20.1 V	691	1997 EN ₂₆	* 1997 03 04.38538	12 18 11.17	-02 22 32.6	20.6 V	691
1997 EH ₂₅	1997 03 12.43306	10 57 22.26	+18 00 40.5	20.2 V	691	1997 EN ₂₆	1997 03 04.43005	12 18 09.35	-02 22 20.2	21.5 V	691
1997 EH ₂₅	1997 03 13.35627	10 56 27.01	+18 03 27.3	20.2 V	691	1997 EN ₂₆	1997 03 13.41631	12 11 44.90	-01 35 50.8	21.1 V	691
1997 EH ₂₅	1997 03 13.37938	10 56 25.59	+18 03 30.8	20.5 V	691	1997 EN ₂₆	1997 03 13.43797	12 11 43.86	-01 35 44.1	20.4 V	691
1997 EH ₂₅	1997 03 13.40160	10 56 24.20	+18 03 34.7	20.0 V	691	1997 EN ₂₆	1997 03 13.45976	12 11 42.87	-01 35 37.1	20.5 V	691
1997 EE ₂₆	* 1997 03 02.21478	08 34 45.78	+15 20 24.9	19.3 V	691	1997 EO ₂₆	* 1997 03 04.38608	12 19 11.05	-02 10 20.8	20.7 V	691
1997 EE ₂₆	1997 03 02.23726	08 34 45.00	+15 20 16.0	19.4 V	691	1997 EO ₂₆	1997 03 04.40954	12 19 10.11	-02 10 16.6	20.6 V	691
1997 EE ₂₆	1997 03 02.25920	08 34 44.24	+15 20 07.6	19.3 V	691	1997 EO ₂₆	1997 03 04.43074	12 19 09.27	-02 10 12.5	20.6 V	691
1997 EE ₂₆	1997 03 13.13418	08 31 18.44	+14 08 17.8	19.4 V	691	1997 EO ₂₆	1997 03 13.41713	12 12 56.04	-01 41 41.8	20.7 V	691
1997 EE ₂₆	1997 03 13.15665	08 31 18.24	+14 08 08.8	19.6 V	691	1997 EO ₂₆	1997 03 13.43879	12 12 55.04	-01 41 37.5	20.2 V	691
1997 EE ₂₆	1997 03 13.17965	08 31 18.03	+14 07 59.4	19.7 V	691	1997 EO ₂₆	1997 03 13.46058	12 12 54.10	-01 41 33.3	20.5 V	691
1997 EF ₂₆	* 1997 03 04.13288	08 28 51.25	+14 48 33.1	19.0 V	691	1997 EP ₂₆	* 1997 03 04.38897	12 23 21.36	-02 08 48.0	21.2 V	691
1997 EF ₂₆	1997 03 04.15469	08 28 50.65	+14 48 26.3	19.2 V	691	1997 EP ₂₆	1997 03 04.41243	12 23 20.40	-02 08 43.7	21.2 V	691
1997 EF ₂₆	1997 03 04.17642	08 28 50.06	+14 48 19.6	19.1 V	691	1997 EP ₂₆	1997 03 04.43363	12 23 19.54	-02 08 40.4	21.6 V	691
1997 EF ₂₆	1997 03 13.13097	08 26 40.02	+14 00 33.7	19.1 V	691	1997 EP ₂₆	1997 03 13.41985	12 16 51.96	-01 40 18.8	20.9 V	691
1997 EF ₂₆	1997 03 13.15344	08 26 39.87	+14 00 26.8	19.5 V	691	1997 EP ₂₆	1997 03 13.44151	12 16 50.97	-01 40 14.6	21.0 V	691
1997 EF ₂₆	1997 03 13.17643	08 26 39.68	+14 00 19.6	19.4 V	691	1997 EP ₂₆	1997 03 13.46331	12 16 49.94	-01 40 09.8	21.0 V	691
1997 EG ₂₆	* 1997 03 04.13633	08 33 50.15	+14 34 46.6	17.8 V	691	1997 EQ ₂₆	* 1997 03 04.38980	12 24 33.67	-02 13 32.7	21.0 V	691
1997 EG ₂₆	1997 03 04.15814	08 33 49.42	+14 34 44.1	18.2 V	691	1997 EQ ₂₆	1997 03 04.41327	12 24 32.58	-02 13 27.4	21.0 V	691
1997 EG ₂₆	1997 03 04.17987	08 33 48.70	+14 34 41.7	18.4 V	691	1997 EQ ₂₆	1997 03 04.43446	12 24 31.62	-02 13 22.9	21.4 V	691
1997 EG ₂₆	1997 03 13.13357	08 30 25.97	+14 16 20.2	18.0 V	691	1997 EQ ₂₆	1997 03 13.42004	12 17 08.12	-01 36 11.6	20.8 V	691
1997 EG ₂₆	1997 03 13.15604	08 30 25.61	+14 16 16.9	18.0 V	691	1997 EQ ₂₆	1997 03 13.44170	12 17 06.93	-01 36 06.4	20.6 V	691
1997 EG ₂₆	1997 03 13.17904	08 30 25.24	+14 16 13.5	18.1 V	691	1997 EQ ₂₆	1997 03 13.46349	12 17 05.71	-01 35 59.9	20.8 V	691
1997 EH ₂₆	* 1997 03 04.38236	12 13 48.85	-02 06 38.6	20.0 V	691	1997 ER ₂₆	* 1997 03 04.39183	12 27 29.43	-02 19 13.4	19.7 V	691
1997 EH ₂₆	1997 03 04.40582	12 13 47.78	-02 06 35.4	20.2 V	691	1997 ER ₂₆	1997 03 04.41530	12 27 28.57	-02 19 07.4	19.7 V	691
1997 EH ₂₆	1997 03 04.42702	12 13 46.82	-02 06 32.8	20.2 V	691	1997 ER ₂₆	1997 03 04.43649	12 27 27.78	-02 19 02.2	19.6 V	691
1997 EH ₂₆	1997 03 13.41283	12 06 43.55	-01 46 01.4	19.9 V	691	1997 ER ₂₆	1997 03 13.42321	12 21 42.98	-01 38 09.9	19.3 V	691
1997 EH ₂₆	1997 03 13.43449	12 06 42.45	-01 45 58.1	19.6 V	691	1997 ER ₂₆	1997 03 13.44487	12 21 42.12	-01 38 04.1	19.4 V	691
1997 EH ₂₆	1997 03 13.45628	12 06 41.36	-01 45 54.6	19.8 V	691	1997 ER ₂₆	1997 03 13.46667	12 21 41.22	-01 37 57.6	19.2 V	691
1997 EJ ₂₆	* 1997 03 04.38367	12 15 42.38	-02 05 19.9	20.3 V	691	1997 ES ₂₆	* 1997 03 04.39191	12 27 36.63	-02 13 21.7	19.9 V	691
1997 EJ ₂₆	1997 03 04.40713	12 15 41.15	-02 05 16.9	20.2 V	691	1997 ES ₂₆	1997 03 04.41538	12 27 35.74	-02 13 16.6	20.2 V	691
1997 EJ ₂₆	1997 03 04.42832	12 15 40.07	-02 05 14.2	20.6 V	691	1997 ES ₂₆	1997 03 04.43657	12 27 34.95	-02 13 11.8	20.1 V	691
1997 EJ ₂₆	1997 03 13.41340	12 07 32.50	-01 42 29.6	20.1 V	691	1997 ES ₂₆	1997 03 13.42316	12 21 38.36	-01 37 05.6	19.6 V	691
1997 EJ ₂₆	1997 03 13.43505	12 07 31.21	-01 42 26.0	19.8 V	691	1997 ES ₂₆	1997 03 13.44482	12 21 37.41	-01 36 59.6	19.5 V	691

1997 ES ₂₆	1997 03 13.46661	12 21 36.47	-01 36 53.9	19.5 V	691	1997 EB ₂₇	* 1997 03 05.14857	08 35 46.52	+14 09 37.9	19.6 V	691
1997 ET ₂₆	* 1997 03 04.39192	12 27 36.93	-02 30 13.3	20.8 V	691	1997 EB ₂₇	1997 03 05.17047	08 35 45.99	+14 09 38.2	19.6 V	691
1997 ET ₂₆	1997 03 04.41538	12 27 35.91	-02 30 08.0	20.7 V	691	1997 EB ₂₇	1997 03 05.19230	08 35 45.26	+14 09 37.3	19.9 V	691
1997 ET ₂₆	1997 03 04.43658	12 27 34.98	-02 30 03.9	21.3 V	691	1997 EB ₂₇	1997 03 13.13552	08 33 14.41	+14 07 02.4	19.4 V	691
1997 ET ₂₆	1997 03 13.42264	12 20 53.53	-01 52 51.0	20.4 V	691	1997 EB ₂₇	1997 03 13.15799	08 33 14.12	+14 07 01.9	19.9 V	691
1997 ET ₂₆	1997 03 13.44430	12 20 52.47	-01 52 45.3	20.9 V	691	1997 EB ₂₇	1997 03 13.18098	08 33 13.81	+14 07 00.9	20.1 V	691
1997 ET ₂₆	1997 03 13.46609	12 20 51.41	-01 52 40.0	20.5 V	691	1997 EC ₂₇	* 1997 03 05.14949	08 37 05.89	+14 04 47.2	20.7 V	691
1997 EU ₂₆	* 1997 03 04.39218	12 27 59.90	-02 08 01.6	21.2 V	691	1997 EC ₂₇	1997 03 05.17139	08 37 05.21	+14 04 50.8	21.0 V	691
1997 EU ₂₆	1997 03 04.41565	12 27 58.89	-02 07 57.1	21.3 V	691	1997 EC ₂₇	1997 03 05.19322	08 37 04.52	+14 04 54.4	21.1 V	691
1997 EU ₂₆	1997 03 04.43684	12 27 57.96	-02 07 52.9	21.5 V	691	1997 EC ₂₇	1997 03 13.13596	08 33 52.29	+14 23 43.4	20.8 V	691
1997 EU ₂₆	1997 03 13.42273	12 21 01.35	-01 34 02.2	21.3 V	691	1997 EC ₂₇	1997 03 13.15842	08 33 51.87	+14 23 45.5	21.2 V	691
1997 EU ₂₆	1997 03 13.44439	12 21 00.18	-01 33 56.1	20.6 V	691	1997 EC ₂₇	1997 03 13.18142	08 33 51.39	+14 23 49.2	20.4 V	691
1997 EU ₂₆	1997 03 13.46618	12 20 59.07	-01 33 51.0	20.8 V	691	1997 ED ₂₇	* 1997 03 05.34267	10 50 04.56	+16 41 08.6	19.4 V	691
1997 EV ₂₆	* 1997 03 04.39415	12 30 50.88	-02 28 00.2	20.6 V	691	1997 ED ₂₇	1997 03 05.36463	10 50 03.62	+16 41 22.9	19.5 V	691
1997 EV ₂₆	1997 03 04.41762	12 30 49.77	-02 27 54.3	20.6 V	691	1997 ED ₂₇	1997 03 05.38820	10 50 02.62	+16 41 38.4	19.4 V	691
1997 EV ₂₆	1997 03 04.43881	12 30 48.81	-02 27 49.6	21.0 V	691	1997 ED ₂₇	1997 03 13.34817	10 44 45.21	+18 04 12.9	19.4 V	691
1997 EV ₂₆	1997 03 10.37294	12 26 06.90	-02 02 07.6	19.3 V	691	1997 ED ₂₇	1997 03 13.37128	10 44 44.30	+18 04 26.6	19.4 V	691
1997 EV ₂₆	1997 03 10.39382	12 26 05.81	-02 02 01.4	19.3 V	691	1997 ED ₂₇	1997 03 13.39351	10 44 43.41	+18 04 39.3	19.3 V	691
1997 EV ₂₆	1997 03 10.41474	12 26 04.72	-02 01 55.7	19.1 V	691	1997 EE ₂₇	* 1997 03 05.34548	10 54 08.54	+16 58 55.8	19.5 V	691
1997 EV ₂₆	1997 03 13.42443	12 23 28.30	-01 47 36.8	19.6 V	691	1997 EE ₂₇	1997 03 05.36744	10 54 07.45	+16 59 10.5	19.7 V	691
1997 EV ₂₆	1997 03 13.44608	12 23 27.10	-01 47 29.8	19.2 V	691	1997 EE ₂₇	1997 03 05.39101	10 54 06.31	+16 59 26.3	19.5 V	691
1997 EV ₂₆	1997 03 13.46788	12 23 25.91	-01 47 23.6	19.3 V	691	1997 EE ₂₇	1997 03 13.35049	10 48 06.73	+18 21 54.8	19.8 V	691
1997 EW ₂₆	* 1997 03 05.14003	08 23 26.16	+14 01 17.8	20.5 V	691	1997 EE ₂₇	1997 03 13.37361	10 48 05.69	+18 22 07.7	19.9 V	691
1997 EW ₂₆	1997 03 05.16193	08 23 25.64	+14 01 22.3	20.4 V	691	1997 EE ₂₇	1997 03 13.39583	10 48 04.69	+18 22 20.2	19.8 V	691
1997 EW ₂₆	1997 03 05.18376	08 23 25.11	+14 01 27.3	20.3 V	691	1997 EF ₂₇	* 1997 03 05.41042	12 16 41.39	-02 31 39.7	19.6 V	691
1997 EW ₂₆	1997 03 13.12729	08 21 21.80	+14 28 05.1	20.1 V	691	1997 EF ₂₇	1997 03 05.43150	12 16 40.42	-02 31 34.2	19.4 V	691
1997 EW ₂₆	1997 03 13.14976	08 21 21.58	+14 28 09.7	20.7 V	691	1997 EF ₂₇	1997 03 05.45254	12 16 39.41	-02 31 29.1	19.5 V	691
1997 EW ₂₆	1997 03 13.17276	08 21 21.35	+14 28 14.4	20.6 V	691	1997 EF ₂₇	1997 03 13.41519	12 10 07.89	-01 54 32.2	19.2 V	691
1997 EX ₂₆	* 1997 03 05.14092	08 24 44.10	+13 59 21.9	20.8 V	691	1997 EF ₂₇	1997 03 13.43684	12 10 06.70	-01 54 25.8	19.1 V	691
1997 EX ₂₆	1997 03 05.16283	08 24 43.81	+13 59 26.7	20.8 V	691	1997 EF ₂₇	1997 03 13.45864	12 10 05.50	-01 54 19.2	19.1 V	691
1997 EX ₂₆	1997 03 05.18466	08 24 43.54	+13 59 31.4	21.0 V	691	1997 EG ₂₇	* 1997 03 05.41353	12 21 10.83	-02 40 11.8	17.7 V	691
1997 EX ₂₆	1997 03 13.12938	08 24 22.46	+14 25 58.8	20.9 V	691	1997 EG ₂₇	1997 03 05.43461	12 21 09.92	-02 40 01.6	17.7 V	691
1997 EX ₂₆	1997 03 13.15185	08 24 22.54	+14 26 03.0	21.0 V	691	1997 EG ₂₇	1997 03 05.45565	12 21 09.04	-02 39 51.6	17.7 V	691
1997 EX ₂₆	1997 03 13.17485	08 24 22.59	+14 26 06.4	21.1 V	691	1997 EG ₂₇	1997 03 13.41871	12 15 13.07	-01 31 30.1	17.5 V	691
1997 EY ₂₆	* 1997 03 05.14185	08 26 04.41	+14 02 47.7	19.9 V	691	1997 EG ₂₇	1997 03 13.44037	12 15 11.96	-01 31 18.7	17.5 V	691
1997 EY ₂₆	1997 03 05.16375	08 26 03.69	+14 02 51.0	19.9 V	691	1997 EG ₂₇	1997 03 13.46216	12 15 10.87	-01 31 06.6	17.4 V	691
1997 EY ₂₆	1997 03 05.18558	08 26 02.97	+14 02 54.5	19.9 V	691	1997 EG ₂₇	1997 03 14.36395	12 14 27.00	-01 22 52.8	17.4 V	691
1997 EY ₂₆	1997 03 13.12829	08 22 48.44	+14 20 57.7	19.6 V	691	1997 EG ₂₇	1997 03 14.39573	12 14 25.37	-01 22 35.2	17.4 V	691
1997 EY ₂₆	1997 03 13.15076	08 22 48.03	+14 21 00.7	19.7 V	691	1997 EG ₂₇	1997 03 14.42470	12 14 23.86	-01 22 19.3	17.4 V	691
1997 EY ₂₆	1997 03 13.17375	08 22 47.58	+14 21 03.2	19.9 V	691	1997 EH ₂₇	* 1997 03 05.41580	12 24 27.25	-02 31 31.7	21.0 V	691
1997 EZ ₂₆	* 1997 03 05.14217	08 26 31.80	+13 58 43.3	20.6 V	691	1997 EH ₂₇	1997 03 05.43688	12 24 26.36	-02 31 23.4	20.8 V	691
1997 EZ ₂₆	1997 03 05.16407	08 26 31.11	+13 58 48.7	20.8 V	691	1997 EH ₂₇	1997 03 05.45792	12 24 25.50	-02 31 14.9	20.5 V	691
1997 EZ ₂₆	1997 03 05.18590	08 26 30.39	+13 58 54.2	20.7 V	691	1997 EH ₂₇	1997 03 13.42114	12 18 43.06	-01 34 37.6	21.5 V	691
1997 EZ ₂₆	1997 03 13.12867	08 23 21.24	+14 28 05.6	20.8 V	691	1997 EH ₂₇	1997 03 13.44279	12 18 42.08	-01 34 28.0	21.3 V	691
1997 EZ ₂₆	1997 03 13.15114	08 23 20.84	+14 28 10.0	20.6 V	691	1997 EH ₂₇	1997 03 13.46459	12 18 41.03	-01 34 17.6	20.8 V	691
1997 EZ ₂₆	1997 03 13.17413	08 23 20.37	+14 28 14.3	20.7 V	691	1997 EJ ₂₇	* 1997 03 07.21079	10 39 33.42	+17 48 19.0	19.6 V	691
1997 EA ₂₇	* 1997 03 05.14266	08 27 14.12	+14 13 12.7	19.0 V	691	1997 EJ ₂₇	1997 03 07.23390	10 39 32.20	+17 48 27.3	19.7 V	691
1997 EA ₂₇	1997 03 05.16456	08 27 13.45	+14 13 14.5	19.0 V	691	1997 EJ ₂₇	1997 03 07.25593	10 39 31.03	+17 48 35.4	19.6 V	691
1997 EA ₂₇	1997 03 05.18638	08 27 12.80	+14 13 16.5	18.9 V	691	1997 EJ ₂₇	1997 03 13.34174	10 34 44.73	+18 19 00.2	19.7 V	691
1997 EA ₂₇	1997 03 13.12922	08 24 09.09	+14 22 53.0	18.4 V	691	1997 EJ ₂₇	1997 03 13.36486	10 34 43.65	+18 19 05.7	19.7 V	691
1997 EA ₂₇	1997 03 13.15169	08 24 08.74	+14 22 54.1	18.4 V	691	1997 EJ ₂₇	1997 03 13.38708	10 34 42.58	+18 19 11.0	19.7 V	691
1997 EA ₂₇	1997 03 13.17468	08 24 08.29	+14 22 55.6	18.6 V	691	1997 EK ₂₇	* 1997 03 07.21230	10 41 44.25	+18 00 27.0	19.0 V	691

1997 EK ₂₇	1997 03 07.23542	10 41 43.05	+18 00 29.4	19.0 V	691	1997 ES ₂₇	1997 03 13.39469	10 46 26.05	+18 29 56.0	20.0 V	691
1997 EK ₂₇	1997 03 07.25744	10 41 41.91	+18 00 32.0	18.9 V	691	1997 ET ₂₇	* 1997 03 07.22154	10 55 05.27	+17 58 16.8	19.4 V	691
1997 EK ₂₇	1997 03 13.34263	10 36 45.28	+18 09 05.8	19.1 V	691	1997 ET ₂₇	1997 03 07.24466	10 55 04.14	+17 58 22.6	19.5 V	691
1997 EK ₂₇	1997 03 13.36574	10 36 44.16	+18 09 07.2	19.2 V	691	1997 ET ₂₇	1997 03 07.26669	10 55 03.09	+17 58 27.6	19.3 V	691
1997 EK ₂₇	1997 03 13.38796	10 36 43.08	+18 09 08.0	18.9 V	691	1997 ET ₂₇	1997 03 13.35206	10 50 22.61	+18 20 14.0	19.6 V	691
1997 EL ₂₇	* 1997 03 07.21231	10 41 45.08	+17 41 54.5	20.2 V	691	1997 ET ₂₇	1997 03 13.37518	10 50 21.54	+18 20 17.9	19.5 V	691
1997 EL ₂₇	1997 03 07.23543	10 41 44.05	+17 42 03.0	20.3 V	691	1997 ET ₂₇	1997 03 13.39740	10 50 20.54	+18 20 22.1	19.4 V	691
1997 EL ₂₇	1997 03 07.25745	10 41 43.09	+17 42 11.3	20.3 V	691	1997 EU ₂₇	* 1997 03 07.22272	10 56 46.99	+17 38 37.5	19.6 V	691
1997 EL ₂₇	1997 03 13.34315	10 37 30.37	+18 17 43.0	20.3 V	691	1997 EU ₂₇	1997 03 07.24584	10 56 45.92	+17 38 45.9	19.9 V	691
1997 EL ₂₇	1997 03 13.36626	10 37 29.44	+18 17 50.9	20.4 V	691	1997 EU ₂₇	1997 03 07.26787	10 56 44.91	+17 38 53.4	19.6 V	691
1997 EL ₂₇	1997 03 13.38848	10 37 28.49	+18 17 57.9	20.3 V	691	1997 EU ₂₇	1997 03 13.35339	10 52 17.16	+18 12 44.6	19.9 V	691
1997 EM ₂₇	* 1997 03 07.21369	10 43 44.63	+18 00 29.5	19.7 V	691	1997 EU ₂₇	1997 03 13.37650	10 52 16.16	+18 12 51.8	19.8 V	691
1997 EM ₂₇	1997 03 07.23680	10 43 43.07	+18 00 34.9	19.7 V	691	1997 EU ₂₇	1997 03 13.39872	10 52 15.17	+18 12 58.6	19.8 V	691
1997 EM ₂₇	1997 03 07.25882	10 43 41.60	+18 00 40.6	19.6 V	691	1997 EV ₂₇	* 1997 03 07.22307	10 57 17.72	+17 45 27.8	21.3 V	691
1997 EM ₂₇	1997 03 13.34295	10 37 13.00	+18 21 51.6	19.8 V	691	1997 EV ₂₇	1997 03 07.24620	10 57 16.82	+17 45 34.8	21.2 V	691
1997 EM ₂₇	1997 03 13.36606	10 37 11.53	+18 21 55.4	19.8 V	691	1997 EV ₂₇	1997 03 07.26822	10 57 15.97	+17 45 40.5	20.9 V	691
1997 EM ₂₇	1997 03 13.38827	10 37 10.10	+18 21 59.0	19.7 V	691	1997 EV ₂₇	1997 03 13.35424	10 53 30.81	+18 13 12.0	21.1 V	691
1997 EN ₂₇	* 1997 03 07.21382	10 43 56.03	+17 42 23.9	19.4 V	691	1997 EV ₂₇	1997 03 13.37735	10 53 29.95	+18 13 17.8	21.2 V	691
1997 EN ₂₇	1997 03 07.23694	10 43 54.69	+17 42 33.2	18.9 V	691	1997 EV ₂₇	1997 03 13.39958	10 53 29.17	+18 13 23.2	20.7 V	691
1997 EN ₂₇	1997 03 07.25896	10 43 53.41	+17 42 42.3	18.7 V	691	1997 EW ₂₇	* 1997 03 07.22384	10 58 24.42	+17 59 24.2	19.5 V	691
1997 EN ₂₇	1997 03 13.34379	10 38 25.58	+18 20 31.8	18.9 V	691	1997 EW ₂₇	1997 03 07.24696	10 58 23.06	+17 59 32.3	19.7 V	691
1997 EN ₂₇	1997 03 13.36690	10 38 24.34	+18 20 39.6	18.9 V	691	1997 EW ₂₇	1997 03 07.26898	10 58 21.78	+17 59 39.8	19.5 V	691
1997 EN ₂₇	1997 03 13.38912	10 38 23.18	+18 20 46.7	18.9 V	691	1997 EW ₂₇	1997 03 13.35365	10 52 40.16	+18 31 37.5	19.7 V	691
1997 EO ₂₇	* 1997 03 07.21702	10 48 33.38	+17 35 21.8	20.1 V	691	1997 EW ₂₇	1997 03 13.37676	10 52 38.98	+18 31 42.6	19.1 V	691
1997 EO ₂₇	1997 03 07.24014	10 48 32.23	+17 35 31.6	20.2 V	691	1997 EW ₂₇	1997 03 13.39898	10 52 37.62	+18 31 50.1	19.6 V	691
1997 EO ₂₇	1997 03 07.26216	10 48 31.12	+17 35 41.4	20.2 V	691	1997 EX ₂₇	* 1997 03 07.22399	10 58 37.40	+17 34 17.1	19.8 V	691
1997 EO ₂₇	1997 03 13.34742	10 43 40.52	+18 17 03.2	20.3 V	691	1997 EX ₂₇	1997 03 07.24711	10 58 36.18	+17 34 27.2	20.1 V	691
1997 EO ₂₇	1997 03 13.37053	10 43 39.41	+18 17 12.3	20.3 V	691	1997 EX ₂₇	1997 03 07.26914	10 58 35.06	+17 34 37.4	19.9 V	691
1997 EO ₂₇	1997 03 13.39275	10 43 38.37	+18 17 20.3	20.4 V	691	1997 EX ₂₇	1997 03 13.35440	10 53 45.10	+18 18 12.6	20.2 V	691
1997 EP ₂₇	* 1997 03 07.21813	10 50 09.94	+17 42 21.8	21.2 V	691	1997 EX ₂₇	1997 03 13.37751	10 53 44.00	+18 18 21.3	20.4 V	691
1997 EP ₂₇	1997 03 07.24125	10 50 08.74	+17 42 29.2	21.1 V	691	1997 EX ₂₇	1997 03 13.39973	10 53 42.93	+18 18 29.9	20.2 V	691
1997 EP ₂₇	1997 03 07.26328	10 50 07.58	+17 42 35.7	20.8 V	691	1997 EY ₂₇	* 1997 03 07.22497	11 00 02.06	+17 37 59.7	20.4 V	691
1997 EP ₂₇	1997 03 13.34841	10 45 06.36	+18 11 16.2	20.9 V	691	1997 EY ₂₇	1997 03 07.24809	11 00 00.61	+17 38 07.2	20.5 V	691
1997 EP ₂₇	1997 03 13.37152	10 45 05.22	+18 11 22.5	21.2 V	691	1997 EY ₂₇	1997 03 07.27011	10 59 59.21	+17 38 14.0	20.4 V	691
1997 EP ₂₇	1997 03 13.39374	10 45 04.14	+18 11 27.5	21.2 V	691	1997 EY ₂₇	1997 03 13.35449	10 53 53.14	+18 07 09.6	20.5 V	691
1997 EQ ₂₇	* 1997 03 07.21839	10 50 32.06	+17 34 16.9	18.2 V	691	1997 EY ₂₇	1997 03 13.37760	10 53 51.79	+18 07 15.2	20.2 V	691
1997 EQ ₂₇	1997 03 07.24151	10 50 30.84	+17 34 25.1	18.3 V	691	1997 EY ₂₇	1997 03 13.39982	10 53 50.41	+18 07 20.9	20.2 V	691
1997 EQ ₂₇	1997 03 07.26353	10 50 29.67	+17 34 32.8	18.2 V	691	1997 EZ ₂₇	* 1997 03 07.22572	11 01 06.89	+17 39 17.0	19.9 V	691
1997 EQ ₂₇	1997 03 13.34865	10 45 27.39	+18 07 23.5	18.4 V	691	1997 EZ ₂₇	1997 03 07.24884	11 01 05.81	+17 39 26.0	19.6 V	691
1997 EQ ₂₇	1997 03 13.37177	10 45 26.25	+18 07 30.1	18.4 V	691	1997 EZ ₂₇	1997 03 07.27087	11 01 04.79	+17 39 32.9	19.7 V	691
1997 EQ ₂₇	1997 03 13.39399	10 45 25.14	+18 07 36.4	18.3 V	691	1997 EZ ₂₇	1997 03 13.35634	10 56 33.14	+18 13 09.7	19.8 V	691
1997 ER ₂₇	* 1997 03 07.21885	10 51 11.87	+17 59 05.0	20.8 V	691	1997 EZ ₂₇	1997 03 13.37945	10 56 32.06	+18 13 17.0	20.0 V	691
1997 ER ₂₇	1997 03 07.24197	10 51 10.81	+17 59 13.3	20.6 V	691	1997 EZ ₂₇	1997 03 13.40168	10 56 31.06	+18 13 23.6	19.8 V	691
1997 ER ₂₇	1997 03 07.26400	10 51 09.81	+17 59 21.0	20.4 V	691	1997 EA ₂₈	* 1997 03 07.27946	10 40 19.88	+18 03 57.8	20.6 V	691
1997 ER ₂₇	1997 03 13.34959	10 46 48.74	+18 32 46.3	21.2 V	691	1997 EA ₂₈	1997 03 07.30152	10 40 18.76	+18 04 02.5	20.4 V	691
1997 ER ₂₇	1997 03 13.37271	10 46 47.77	+18 32 53.0	21.1 V	691	1997 EA ₂₈	1997 03 07.32401	10 40 17.64	+18 04 07.8	20.5 V	691
1997 ER ₂₇	1997 03 13.39493	10 46 46.82	+18 32 59.6	20.9 V	691	1997 EA ₂₈	1997 03 13.34203	10 35 35.21	+18 24 13.9	20.4 V	691
1997 ES ₂₇	* 1997 03 07.22008	10 52 58.40	+18 00 06.0	19.8 V	691	1997 EA ₂₈	1997 03 13.36515	10 35 34.10	+18 24 18.3	20.2 V	691
1997 ES ₂₇	1997 03 07.24319	10 52 56.85	+18 00 13.8	19.8 V	691	1997 EA ₂₈	1997 03 13.38738	10 35 33.07	+18 24 21.2	20.3 V	691
1997 ES ₂₇	1997 03 07.26522	10 52 55.36	+18 00 21.0	19.7 V	691	1997 EB ₂₈	* 1997 03 07.28086	10 42 21.28	+18 31 46.6	17.4 V	691
1997 ES ₂₇	1997 03 13.34937	10 46 28.93	+18 29 45.4	20.0 V	691	1997 EB ₂₈	1997 03 07.30291	10 42 19.81	+18 31 47.3	17.4 V	691
1997 ES ₂₇	1997 03 13.37247	10 46 27.46	+18 29 50.8	20.0 V	691	1997 EB ₂₈	1997 03 07.32541	10 42 18.31	+18 31 47.9	17.8 V	691

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1997 EB ₂₈	1997 03 13.34220	10 36 04.57	+18 31 11.8	17.4 V	691	1997 EK ₂₈	1997 03 14.39545	12 14 00.62	-01 25 56.0	20.8 V	691
1997 EB ₂₈	1997 03 13.36532	10 36 03.15	+18 31 10.5	17.5 V	691	1997 EK ₂₈	1997 03 14.42441	12 13 58.94	-01 25 48.2	20.9 V	691
1997 EB ₂₈	1997 03 13.38754	10 36 01.78	+18 31 09.3	17.5 V	691	1997 EL ₂₈	* 1997 03 07.35833	12 25 30.63	-01 50 05.0	20.2 V	691
1997 EC ₂₈	* 1997 03 07.28208	10 44 06.52	+18 30 32.7	19.4 V	691	1997 EL ₂₈	1997 03 07.37920	12 25 29.64	-01 50 01.4	20.0 V	691
1997 EC ₂₈	1997 03 07.30413	10 44 05.05	+18 30 32.8	19.4 V	691	1997 EL ₂₈	1997 03 07.40020	12 25 28.63	-01 49 58.2	20.0 V	691
1997 EC ₂₈	1997 03 07.32662	10 44 03.58	+18 30 33.1	20.1 V	691	1997 EL ₂₈	1997 03 13.42245	12 20 36.60	-01 32 17.5	19.7 V	691
1997 EC ₂₈	1997 03 13.34337	10 37 49.87	+18 28 34.1	19.7 V	691	1997 EL ₂₈	1997 03 13.44410	12 20 35.50	-01 32 13.3	19.6 V	691
1997 EC ₂₈	1997 03 13.36648	10 37 48.47	+18 28 32.8	19.7 V	691	1997 EL ₂₈	1997 03 13.46590	12 20 34.37	-01 32 09.0	19.6 V	691
1997 EC ₂₈	1997 03 13.38870	10 37 47.10	+18 28 31.4	19.6 V	691	1997 EM ₂₈	* 1997 03 07.35887	12 26 17.17	-01 59 05.8	20.2 V	691
1997 ED ₂₈	* 1997 03 07.28550	10 49 02.56	+18 05 42.0	19.0 V	691	1997 EM ₂₈	1997 03 07.37974	12 26 16.33	-01 59 00.9	19.9 V	691
1997 ED ₂₈	1997 03 07.30755	10 49 01.56	+18 05 47.2	19.0 V	691	1997 EM ₂₈	1997 03 07.40074	12 26 15.50	-01 58 56.2	19.9 V	691
1997 ED ₂₈	1997 03 07.33005	10 49 00.52	+18 05 52.6	19.0 V	691	1997 EM ₂₈	1997 03 13.42354	12 22 11.06	-01 34 24.4	19.7 V	691
1997 ED ₂₈	1997 03 13.34808	10 44 37.50	+18 28 26.3	19.7 V	691	1997 EM ₂₈	1997 03 13.44519	12 22 10.11	-01 34 18.5	19.7 V	691
1997 ED ₂₈	1997 03 13.37119	10 44 36.48	+18 28 30.8	19.8 V	691	1997 EM ₂₈	1997 03 13.46699	12 22 09.18	-01 34 12.9	19.7 V	691
1997 ED ₂₈	1997 03 13.39341	10 44 35.53	+18 28 35.0	19.5 V	691	1997 EN ₂₈	* 1997 03 07.37583	12 20 37.12	-01 55 01.9	20.2 V	691
1997 EE ₂₈	* 1997 03 07.28860	10 53 31.36	+18 26 14.2	18.9 V	691	1997 EN ₂₈	1997 03 07.39682	12 20 36.03	-01 54 57.4	19.1 V	691
1997 EE ₂₈	1997 03 07.31065	10 53 30.11	+18 26 15.9	19.0 V	691	1997 EN ₂₈	1997 03 13.41886	12 15 26.09	-01 29 42.5	20.3 V	691
1997 EE ₂₈	1997 03 07.33315	10 53 28.84	+18 26 17.3	18.8 V	691	1997 EN ₂₈	1997 03 13.44052	12 15 24.82	-01 29 37.5	20.1 V	691
1997 EE ₂₈	1997 03 13.35046	10 48 03.83	+18 31 05.4	18.7 V	691	1997 EN ₂₈	1997 03 13.46231	12 15 23.58	-01 29 31.3	20.0 V	691
1997 EE ₂₈	1997 03 13.37357	10 48 02.60	+18 31 05.7	18.7 V	691	1997 EO ₂₈	* 1997 03 08.25116	10 03 44.67	+00 58 17.6	18.4 V	691
1997 EE ₂₈	1997 03 13.39579	10 48 01.42	+18 31 06.1	18.8 V	691	1997 EO ₂₈	1997 03 08.27209	10 03 43.74	+00 58 22.4	19.0 V	691
1997 EF ₂₈	* 1997 03 07.28940	10 54 40.82	+18 11 20.8	20.3 V	691	1997 EO ₂₈	1997 03 08.29306	10 03 42.79	+00 58 27.2	19.0 V	691
1997 EF ₂₈	1997 03 07.31145	10 54 39.73	+18 11 23.9	21.0 V	691	1997 EO ₂₈	1997 03 13.19521	10 00 20.99	+01 17 07.4	18.6 V	691
1997 EF ₂₈	1997 03 07.33395	10 54 38.60	+18 11 26.9	20.3 V	691	1997 EO ₂₈	1997 03 13.21751	10 00 20.09	+01 17 13.4	18.8 V	691
1997 EF ₂₈	1997 03 13.35169	10 49 50.07	+18 24 19.3	20.6 V	691	1997 EO ₂₈	1997 03 13.23905	10 00 19.22	+01 17 18.5	18.9 V	691
1997 EF ₂₈	1997 03 13.37480	10 49 48.96	+18 24 21.7	20.3 V	691	1997 EP ₂₈	* 1997 03 08.25509	10 09 24.68	+01 04 23.0	20.4 V	691
1997 EF ₂₈	1997 03 13.39702	10 49 47.92	+18 24 23.5	20.3 V	691	1997 EP ₂₈	1997 03 08.27601	10 09 23.45	+01 04 26.0	20.4 V	691
1997 EG ₂₈	* 1997 03 07.28942	10 54 42.84	+18 12 30.5	19.2 V	691	1997 EP ₂₈	1997 03 08.29698	10 09 22.26	+01 04 28.8	20.5 V	691
1997 EG ₂₈	1997 03 07.31148	10 54 41.68	+18 12 32.8	19.5 V	691	1997 EP ₂₈	1997 03 13.19844	10 05 00.16	+01 16 23.0	20.5 V	691
1997 EG ₂₈	1997 03 07.33397	10 54 40.47	+18 12 35.2	18.9 V	691	1997 EP ₂₈	1997 03 13.22073	10 04 59.01	+01 16 26.4	20.2 V	691
1997 EG ₂₈	1997 03 13.35148	10 49 32.17	+18 21 28.6	19.0 V	691	1997 EP ₂₈	1997 03 13.24227	10 04 57.85	+01 16 29.5	20.2 V	691
1997 EG ₂₈	1997 03 13.37459	10 49 30.99	+18 21 30.0	18.9 V	691	1997 EQ ₂₈	* 1997 03 08.26490	10 23 34.23	+00 58 26.2	20.0 V	691
1997 EG ₂₈	1997 03 13.39681	10 49 29.86	+18 21 31.2	18.9 V	691	1997 EQ ₂₈	1997 03 08.28582	10 23 33.06	+00 58 33.3	19.9 V	691
1997 EH ₂₈	* 1997 03 07.28952	10 54 51.32	+18 18 11.5	20.5 V	691	1997 EQ ₂₈	1997 03 08.30679	10 23 31.85	+00 58 40.4	20.2 V	691
1997 EH ₂₈	1997 03 07.31157	10 54 49.89	+18 18 09.2	21.4 V	691	1997 EQ ₂₈	1997 03 13.20841	10 19 23.71	+01 27 06.7	19.7 V	691
1997 EH ₂₈	1997 03 07.33407	10 54 48.39	+18 18 06.6	20.5 V	691	1997 EQ ₂₈	1997 03 13.23070	10 19 22.56	+01 27 14.2	19.6 V	691
1997 EH ₂₈	1997 03 13.35072	10 48 26.31	+18 05 07.1	20.9 V	691	1997 EQ ₂₈	1997 03 13.25224	10 19 21.48	+01 27 21.9	19.7 V	691
1997 EH ₂₈	1997 03 13.37383	10 48 24.85	+18 05 03.0	21.0 V	691	1997 ER ₂₈	* 1997 03 10.36339	12 12 19.62	-02 05 27.3	20.5 V	691
1997 EH ₂₈	1997 03 13.39605	10 48 23.46	+18 04 59.8	20.7 V	691	1997 ER ₂₈	1997 03 10.38427	12 12 18.56	-02 05 22.6	20.5 V	691
1997 EJ ₂₈	* 1997 03 07.29230	10 58 51.67	+18 13 58.8	20.0 V	691	1997 ER ₂₈	1997 03 10.40519	12 12 17.51	-02 05 17.8	20.4 V	691
1997 EJ ₂₈	1997 03 07.31435	10 58 50.25	+18 14 02.8	20.3 V	691	1997 ER ₂₈	1997 03 13.41496	12 09 47.66	-01 53 26.0	20.3 V	691
1997 EJ ₂₈	1997 03 07.33684	10 58 48.78	+18 14 06.7	20.3 V	691	1997 ER ₂₈	1997 03 13.43661	12 09 46.52	-01 53 21.3	20.2 V	691
1997 EJ ₂₈	1997 03 13.35367	10 52 41.98	+18 28 35.8	20.0 V	691	1997 ER ₂₈	1997 03 13.45840	12 09 45.40	-01 53 15.8	20.1 V	691
1997 EJ ₂₈	1997 03 13.37678	10 52 40.60	+18 28 39.7	19.5 V	691	1997 ES ₂₈	* 1997 03 10.36370	12 12 46.85	-02 00 09.5	21.1 V	691
1997 EJ ₂₈	1997 03 13.39900	10 52 39.24	+18 28 40.5	19.9 V	691	1997 ES ₂₈	1997 03 10.38458	12 12 45.85	-02 00 02.3	21.1 V	691
1997 EK ₂₈	* 1997 03 07.35465	12 20 11.29	-01 53 05.0	21.4 V	691	1997 ES ₂₈	1997 03 10.40550	12 12 44.90	-01 59 54.3	21.1 V	691
1997 EK ₂₈	1997 03 07.37552	12 20 10.23	-01 53 00.6	21.1 V	691	1997 ES ₂₈	1997 03 13.41542	12 10 27.51	-01 41 19.9	20.8 V	691
1997 EK ₂₈	1997 03 07.39651	12 20 09.12	-01 52 56.3	21.0 V	691	1997 ES ₂₈	1997 03 13.43707	12 10 26.50	-01 41 11.6	20.5 V	691
1997 EK ₂₈	1997 03 13.41850	12 14 54.53	-01 29 55.5	21.4 V	691	1997 ES ₂₈	1997 03 13.45887	12 10 25.44	-01 41 04.0	21.0 V	691
1997 EK ₂₈	1997 03 13.44015	12 14 53.32	-01 29 50.1	20.8 V	691	1997 ET ₂₈	* 1997 03 10.36667	12 17 03.49	-02 11 11.2	19.7 V	691
1997 EK ₂₈	1997 03 13.46195	12 14 52.13	-01 29 45.1	20.7 V	691	1997 ET ₂₈	1997 03 10.38754	12 17 02.39	-02 11 06.3	19.5 V	691
1997 EK ₂₈	1997 03 14.36367	12 14 02.44	-01 26 03.5	21.0 V	691	1997 ET ₂₈	1997 03 10.40846	12 17 01.28	-02 11 01.3	19.6 V	691

1997 ET ₂₈	1997 03 13.41816	12 14 25.21	-01 58 22.2	19.5 V	691	1997 EB ₂₉	1997 03 13.28117	10 22 27.69	+03 28 26.6	18.6 V	691
1997 ET ₂₈	1997 03 13.43981	12 14 24.01	-01 58 16.8	19.3 V	691	1997 EB ₂₉	1997 03 13.29557	10 22 26.88	+03 28 38.9	18.6 V	691
1997 ET ₂₈	1997 03 13.46161	12 14 22.83	-01 58 11.2	19.3 V	691	1997 EC ₂₉	* 1997 03 11.29849	10 11 27.80	+08 08 45.3	20.6 V	691
1997 EU ₂₈	* 1997 03 10.36775	12 18 37.27	-02 13 25.4	20.6 V	691	1997 EC ₂₉	1997 03 11.32106	10 11 26.50	+08 08 52.2	20.1 V	691
1997 EU ₂₈	1997 03 10.38863	12 18 36.44	-02 13 08.0	20.3 V	691	1997 EC ₂₉	1997 03 13.31141	10 09 37.51	+08 19 02.7	20.7 V	691
1997 EU ₂₈	1997 03 10.40955	12 18 35.60	-02 12 51.2	20.2 V	691	1997 EC ₂₉	1997 03 13.31551	10 09 37.24	+08 19 04.1	20.4 V	691
1997 EU ₂₈	1997 03 13.41970	12 16 38.51	-01 31 58.9	20.5 V	691	1997 EC ₂₉	1997 03 13.32093	10 09 36.99	+08 19 05.7	20.9 V	691
1997 EU ₂₈	1997 03 13.44136	12 16 37.61	-01 31 41.5	20.2 V	691	1997 ED ₂₉	* 1997 03 12.37493	10 37 46.77	+17 57 41.5	19.1 V	691
1997 EU ₂₈	1997 03 13.46315	12 16 36.72	-01 31 23.7	20.5 V	691	1997 ED ₂₉	1997 03 12.39711	10 37 45.54	+17 57 48.4	18.9 V	691
1997 EU ₂₈	1997 03 14.36504	12 16 00.94	-01 19 03.0	20.4 V	691	1997 ED ₂₉	1997 03 12.41946	10 37 44.30	+17 57 55.6	18.7 V	691
1997 EU ₂₈	1997 03 14.39682	12 15 59.63	-01 18 37.0	20.5 V	691	1997 ED ₂₉	1997 03 13.34274	10 36 54.97	+18 02 49.0	19.0 V	691
1997 EU ₂₈	1997 03 14.42579	12 15 58.44	-01 18 12.9	20.4 V	691	1997 ED ₂₉	1997 03 13.36585	10 36 53.70	+18 02 56.2	18.9 V	691
1997 EV ₂₈	* 1997 03 10.36866	12 19 56.16	-02 01 35.7	20.3 V	691	1997 EH ₂₉	* 1997 03 07.34778	12 10 16.80	-01 38 10.5	20.4 V	691
1997 EV ₂₈	1997 03 10.38954	12 19 55.16	-02 01 30.4	20.0 V	691	1997 EH ₂₉	1997 03 07.36863	12 10 13.91	-01 37 42.2	20.7 V	691
1997 EV ₂₈	1997 03 10.41046	12 19 54.15	-02 01 24.8	20.0 V	691	1997 EH ₂₉	1997 03 07.38960	12 10 10.97	-01 37 14.4	20.9 V	691
1997 EV ₂₈	1997 03 13.42031	12 17 31.14	-01 47 52.0	20.1 V	691	1997 EH ₂₉	1997 03 08.22758	12 08 17.54	-01 18 22.9	20.8 V	691
1997 EV ₂₈	1997 03 13.44196	12 17 30.05	-01 47 46.1	19.9 V	691	1997 EH ₂₉	1997 03 08.23474	12 08 16.57	-01 18 13.9	21.0 V	691
1997 EV ₂₈	1997 03 13.46376	12 17 28.97	-01 47 40.0	19.8 V	691	1997 EH ₂₉	1997 03 08.24173	12 08 15.59	-01 18 03.9	20.8 V	691
1997 EW ₂₈	* 1997 03 10.36907	12 20 32.04	-02 13 28.1	19.4 V	691	1997 EH ₂₉	1997 03 09.42788	12 05 32.91	-00 51 20.1	20.6 V	691
1997 EW ₂₈	1997 03 10.38995	12 20 30.95	-02 13 21.1	19.4 V	691	1997 EH ₂₉	1997 03 09.43229	12 05 32.33	-00 51 14.5	20.7 V	691
1997 EW ₂₈	1997 03 10.41087	12 20 29.85	-02 13 14.0	19.3 V	691	1997 EH ₂₉	1997 03 09.43772	12 05 31.59	-00 51 08.7	19.1 V	691
1997 EW ₂₈	1997 03 13.42056	12 17 53.49	-01 55 46.6	19.4 V	691	1997 EH ₂₉	1997 03 14.33664	11 54 21.25	+00 59 04.7	20.6 V	691
1997 EW ₂₈	1997 03 13.44222	12 17 52.29	-01 55 39.0	19.1 V	691	1997 EH ₂₉	1997 03 14.34800	11 54 19.59	+00 59 19.7	20.6 V	691
1997 EW ₂₈	1997 03 13.46401	12 17 51.09	-01 55 31.2	19.2 V	691	1997 EH ₂₉	1997 03 14.35321	11 54 18.84	+00 59 26.2	20.7 V	691
1997 EX ₂₈	* 1997 03 10.37243	12 25 22.84	-02 04 53.0	19.4 V	691	1997 EJ ₂₉	* 1997 03 02.31306	12 18 38.02	-01 19 58.7	20.4 V	691
1997 EX ₂₈	1997 03 10.39331	12 25 21.85	-02 04 43.5	19.4 V	691	1997 EJ ₂₉	1997 03 02.33418	12 18 37.12	-01 19 57.8	20.5 V	691
1997 EX ₂₈	1997 03 10.41423	12 25 20.86	-02 04 33.4	19.3 V	691	1997 EJ ₂₉	1997 03 02.35533	12 18 36.17	-01 19 56.1	20.5 V	691
1997 EX ₂₈	1997 03 13.42411	12 23 00.98	-01 40 36.1	19.3 V	691	1997 EJ ₂₉	1997 03 14.36031	12 09 11.62	-01 03 47.0	19.7 V	691
1997 EX ₂₈	1997 03 13.44577	12 22 59.90	-01 40 25.6	19.3 V	691	1997 EJ ₂₉	1997 03 14.39209	12 09 10.00	-01 03 44.1	19.8 V	691
1997 EX ₂₈	1997 03 13.46756	12 22 58.83	-01 40 15.0	19.1 V	691	1997 EJ ₂₉	1997 03 14.42105	12 09 08.48	-01 03 41.5	19.5 V	691
1997 EY ₂₈	* 1997 03 10.37354	12 26 58.90	-02 14 02.5	19.0 V	691	1997 EK ₂₉	* 1997 03 02.50716	14 21 27.30	+03 02 32.3	21.3 V	691
1997 EY ₂₈	1997 03 10.39442	12 26 57.91	-02 13 54.7	18.9 V	691	1997 EK ₂₉	1997 03 02.52106	14 21 27.23	+03 02 37.6	20.6 V	691
1997 EY ₂₈	1997 03 10.41534	12 26 56.93	-02 13 46.8	18.8 V	691	1997 EK ₂₉	1997 03 02.53537	14 21 27.25	+03 02 42.8	20.8 V	691
1997 EY ₂₈	1997 03 13.42522	12 24 37.20	-01 54 25.3	18.9 V	691	1997 EK ₂₉	1997 03 10.42975	14 20 39.00	+03 52 50.4	21.3 V	691
1997 EY ₂₈	1997 03 13.44688	12 24 36.15	-01 54 16.7	18.9 V	691	1997 EK ₂₉	1997 03 10.45739	14 20 38.62	+03 53 01.6	21.0 V	691
1997 EY ₂₈	1997 03 13.46867	12 24 35.07	-01 54 08.3	18.7 V	691	1997 EK ₂₉	1997 03 10.48526	14 20 38.27	+03 53 12.9	20.7 V	691
1997 EZ ₂₈	* 1997 03 10.37386	12 27 26.89	-02 11 00.2	20.3 V	691	1997 EK ₂₉	1997 03 14.45466	14 19 41.52	+04 20 00.0	20.9 V	691
1997 EZ ₂₈	1997 03 10.39474	12 27 25.97	-02 10 55.2	20.2 V	691	1997 EK ₂₉	1997 03 14.47311	14 19 41.16	+04 20 08.1	21.3 V	691
1997 EZ ₂₈	1997 03 10.41566	12 27 25.05	-02 10 49.9	20.0 V	691	1997 EK ₂₉	1997 03 14.49209	14 19 40.84	+04 20 15.8	21.1 V	691
1997 EZ ₂₈	1997 03 13.42566	12 25 14.69	-01 58 24.6	20.2 V	691	1997 EL ₂₉	* 1997 03 03.47640	14 19 29.17	+03 34 32.8	21.2 V	691
1997 EZ ₂₈	1997 03 13.44731	12 25 13.71	-01 58 18.7	20.0 V	691	1997 EL ₂₉	1997 03 03.49764	14 19 29.03	+03 34 38.4	20.6 V	691
1997 EZ ₂₈	1997 03 13.46911	12 25 12.74	-01 58 13.7	19.8 V	691	1997 EL ₂₉	1997 03 03.51880	14 19 28.90	+03 34 43.6	20.7 V	691
1997 EA ₂₉	* 1997 03 10.37693	12 31 52.59	-02 15 03.3	21.2 V	691	1997 EL ₂₉	1997 03 14.45279	14 16 59.81	+04 24 30.1	20.7 V	691
1997 EA ₂₉	1997 03 10.39781	12 31 51.81	-02 14 54.7	20.9 V	691	1997 EL ₂₉	1997 03 14.47124	14 16 59.38	+04 24 35.3	21.0 V	691
1997 EA ₂₉	1997 03 10.41873	12 31 51.03	-02 14 46.9	20.6 V	691	1997 EL ₂₉	1997 03 14.49022	14 16 58.91	+04 24 40.9	20.6 V	691
1997 EA ₂₉	1997 03 13.42896	12 30 00.83	-01 55 19.9	21.2 V	691	1997 EM ₂₉	* 1997 03 03.48531	14 32 21.29	+03 30 12.4	19.6 V	691
1997 EA ₂₉	1997 03 13.45062	12 29 59.99	-01 55 11.5	20.9 V	691	1997 EM ₂₉	1997 03 03.50656	14 32 21.28	+03 30 16.4	19.6 V	691
1997 EA ₂₉	1997 03 13.47242	12 29 59.17	-01 55 03.0	21.1 V	691	1997 EM ₂₉	1997 03 03.52772	14 32 21.26	+03 30 20.3	19.8 V	691
1997 EB ₂₉	* 1997 03 11.22760	10 24 19.24	+02 59 45.9	18.8 V	691	1997 EM ₂₉	1997 03 14.46237	14 30 49.56	+04 08 17.6	19.9 V	691
1997 EB ₂₉	1997 03 11.24921	10 24 18.01	+03 00 03.8	18.7 V	691	1997 EM ₂₉	1997 03 14.48082	14 30 49.18	+04 08 21.9	19.8 V	691
1997 EB ₂₉	1997 03 11.27186	10 24 16.72	+03 00 22.7	18.7 V	691	1997 EM ₂₉	1997 03 14.49980	14 30 48.78	+04 08 25.9	19.8 V	691
1997 EB ₂₉	1997 03 13.26779	10 22 28.40	+03 28 15.5	18.6 V	691	1997 EN ₂₉	* 1997 03 04.38187	12 13 06.84	-02 23 14.9	20.7 V	691

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1997 EN ₂₉	1997 03 04.40534	12 13 05.85	-02 23 07.1	20.9 V	691	1997 EW ₂₉	1997 03 14.35790	12 05 19.36	-01 03 40.4	20.0 V	691
1997 EN ₂₉	1997 03 04.42653	12 13 04.96	-02 23 00.4	20.7 V	691	1997 EW ₂₉	1997 03 14.41869	12 05 15.78	-01 03 20.9	20.0 V	691
1997 EN ₂₉	1997 03 14.35808	12 05 50.18	-01 23 55.4	20.4 V	691	1997 EX ₂₉	* 1997 03 07.35189	12 16 12.50	-01 44 52.3	21.7 V	691
1997 EN ₂₉	1997 03 14.38987	12 05 48.64	-01 23 43.9	20.5 V	691	1997 EX ₂₉	1997 03 07.37276	12 16 11.72	-01 44 44.2	21.8 V	691
1997 EN ₂₉	1997 03 14.41887	12 05 47.25	-01 23 32.4	20.4 V	691	1997 EX ₂₉	1997 03 07.39376	12 16 10.85	-01 44 38.4	20.7 V	691
1997 EO ₂₉	* 1997 03 04.38312	12 14 54.94	-02 17 11.0	21.3 V	691	1997 EX ₂₉	1997 03 14.36203	12 11 40.69	-00 59 45.9	21.5 V	691
1997 EO ₂₉	1997 03 04.42778	12 14 52.72	-02 16 56.5	21.4 V	691	1997 EX ₂₉	1997 03 14.39382	12 11 39.41	-00 59 33.8	21.8 V	691
1997 EO ₂₉	1997 03 14.35833	12 06 19.92	-01 19 32.3	21.4 V	691	1997 EX ₂₉	1997 03 14.42278	12 11 38.15	-00 59 22.4	21.5 V	691
1997 EO ₂₉	1997 03 14.39011	12 06 18.11	-01 19 20.7	21.2 V	691	1997 EY ₂₉	* 1997 03 07.35845	12 25 40.55	-01 41 20.5	21.3 V	691
1997 EO ₂₉	1997 03 14.41907	12 06 16.46	-01 19 09.9	20.9 V	691	1997 EY ₂₉	1997 03 07.37932	12 25 39.65	-01 41 13.8	21.4 V	691
1997 EP ₂₉	* 1997 03 04.38976	12 24 30.63	-02 04 05.6	20.9 V	691	1997 EY ₂₉	1997 03 07.40031	12 25 38.75	-01 41 07.7	21.2 V	691
1997 EP ₂₉	1997 03 04.41323	12 24 29.59	-02 03 58.9	20.7 V	691	1997 EY ₂₉	1997 03 14.36817	12 20 32.25	-01 03 08.5	20.8 V	691
1997 EP ₂₉	1997 03 04.43442	12 24 28.66	-02 03 52.4	21.2 V	691	1997 EY ₂₉	1997 03 14.39995	12 20 30.71	-01 02 57.6	20.9 V	691
1997 EP ₂₉	1997 03 14.36547	12 16 38.83	-01 09 59.6	21.4 V	691	1997 EY ₂₉	1997 03 14.42891	12 20 29.36	-01 02 47.7	20.8 V	691
1997 EP ₂₉	1997 03 14.39726	12 16 37.10	-01 09 48.7	21.6 V	691	1997 EZ ₂₉	* 1997 03 07.36034	12 28 24.96	-01 49 07.5	20.6 V	691
1997 EQ ₂₉	* 1997 03 04.39283	12 28 55.74	-02 23 27.0	20.8 V	691	1997 EZ ₂₉	1997 03 07.38122	12 28 23.86	-01 49 03.1	20.4 V	691
1997 EQ ₂₉	1997 03 04.41629	12 28 54.69	-02 23 18.9	21.0 V	691	1997 EZ ₂₉	1997 03 07.40221	12 28 22.76	-01 48 59.4	20.5 V	691
1997 EQ ₂₉	1997 03 04.43748	12 28 53.73	-02 23 11.6	21.0 V	691	1997 EZ ₂₉	1997 03 14.36927	12 22 07.53	-01 24 07.4	20.5 V	691
1997 EQ ₂₉	1997 03 14.36841	12 20 53.41	-01 19 19.7	21.0 V	691	1997 EZ ₂₉	1997 03 14.40105	12 22 05.68	-01 24 00.2	20.3 V	691
1997 EQ ₂₉	1997 03 14.40019	12 20 51.68	-01 19 06.9	20.7 V	691	1997 EZ ₂₉	1997 03 14.43001	12 22 04.00	-01 23 53.7	20.1 V	691
1997 EQ ₂₉	1997 03 14.42915	12 20 50.09	-01 18 55.1	20.6 V	691	1997 EA ₃₀	* 1997 03 07.36107	12 29 28.08	-01 47 56.4	21.7 V	691
1997 ER ₂₉	* 1997 03 04.39287	12 28 59.93	-02 29 42.0	19.8 V	691	1997 EA ₃₀	1997 03 07.38194	12 29 26.98	-01 47 49.7	21.6 V	691
1997 ER ₂₉	1997 03 04.41634	12 28 58.85	-02 29 33.6	19.7 V	691	1997 EA ₃₀	1997 03 07.40294	12 29 25.95	-01 47 42.1	21.1 V	691
1997 ER ₂₉	1997 03 04.43753	12 28 57.86	-02 29 26.3	19.6 V	691	1997 EA ₃₀	1997 03 14.37006	12 23 16.27	-01 04 48.4	21.4 V	691
1997 ER ₂₉	1997 03 14.36836	12 20 49.27	-01 24 30.9	18.8 V	691	1997 EA ₃₀	1997 03 14.40184	12 23 14.44	-01 04 35.8	21.6 V	691
1997 ER ₂₉	1997 03 14.40014	12 20 47.40	-01 24 16.8	19.3 V	691	1997 EA ₃₀	1997 03 14.43080	12 23 12.78	-01 04 25.5	20.9 V	691
1997 ER ₂₉	1997 03 14.42910	12 20 45.79	-01 24 04.8	19.2 V	691	1997 EB ₃₀	* 1997 03 07.36265	12 31 45.03	-01 41 06.2	21.4 V	691
1997 ES ₂₉	* 1997 03 04.41797	12 31 20.05	-02 10 15.0	21.7 V	691	1997 EB ₃₀	1997 03 07.38353	12 31 44.11	-01 41 02.6	21.0 V	691
1997 ES ₂₉	1997 03 04.43916	12 31 19.24	-02 10 09.7	22.0 V	691	1997 EB ₃₀	1997 03 07.40452	12 31 43.21	-01 40 58.9	21.2 V	691
1997 ES ₂₉	1997 03 14.37110	12 24 45.91	-01 25 45.7	21.1 V	691	1997 EB ₃₀	1997 03 14.37219	12 26 20.44	-01 17 01.9	20.7 V	691
1997 ES ₂₉	1997 03 14.40288	12 24 44.37	-01 25 36.1	21.0 V	691	1997 EB ₃₀	1997 03 14.40397	12 26 18.74	-01 16 54.9	21.0 V	691
1997 ES ₂₉	1997 03 14.43184	12 24 43.01	-01 25 27.5	20.5 V	691	1997 EB ₃₀	1997 03 14.43293	12 26 17.26	-01 16 48.7	20.5 V	691
1997 ET ₂₉	* 1997 03 05.41164	12 18 27.07	-02 40 19.1	20.0 V	691	1997 EC ₃₀	* 1997 03 09.36647	12 11 57.31	-01 27 31.6	20.3 V	691
1997 ET ₂₉	1997 03 05.43273	12 18 26.35	-02 40 06.8	19.8 V	691	1997 EC ₃₀	1997 03 09.38742	12 11 56.08	-01 27 24.5	20.3 V	691
1997 ET ₂₉	1997 03 05.45376	12 18 25.63	-02 39 54.8	19.8 V	691	1997 EC ₃₀	1997 03 09.40840	12 11 54.87	-01 27 17.4	20.0 V	691
1997 ET ₂₉	1997 03 14.36294	12 12 59.50	-01 10 33.9	19.8 V	691	1997 EC ₃₀	1997 03 14.35888	12 07 07.75	-00 58 28.9	20.0 V	691
1997 ET ₂₉	1997 03 14.39473	12 12 58.24	-01 10 13.8	19.7 V	691	1997 EC ₃₀	1997 03 14.39066	12 07 05.84	-00 58 17.4	19.6 V	691
1997 ET ₂₉	1997 03 14.42369	12 12 57.03	-01 09 55.8	19.8 V	691	1997 EC ₃₀	1997 03 14.41962	12 07 04.03	-00 58 07.2	19.5 V	691
1997 EU ₂₉	* 1997 03 05.41175	12 18 36.15	-02 39 11.2	20.9 V	691	1997 ED ₃₀	* 1997 03 09.36668	12 12 14.82	-01 22 30.2	20.3 V	691
1997 EU ₂₉	1997 03 05.43283	12 18 35.31	-02 38 59.6	20.9 V	691	1997 ED ₃₀	1997 03 09.38762	12 12 13.72	-01 22 26.9	20.3 V	691
1997 EU ₂₉	1997 03 05.45386	12 18 34.41	-02 38 47.8	19.2 V	691	1997 ED ₃₀	1997 03 09.40860	12 12 12.64	-01 22 24.1	20.0 V	691
1997 EU ₂₉	1997 03 14.36257	12 12 27.15	-01 13 42.4	20.5 V	691	1997 ED ₃₀	1997 03 14.35940	12 07 52.76	-01 09 35.0	20.2 V	691
1997 EU ₂₉	1997 03 14.39435	12 12 25.71	-01 13 23.5	20.6 V	691	1997 ED ₃₀	1997 03 14.39118	12 07 51.01	-01 09 30.1	19.9 V	691
1997 EU ₂₉	1997 03 14.42332	12 12 24.34	-01 13 05.5	20.3 V	691	1997 ED ₃₀	1997 03 14.42014	12 07 49.43	-01 09 25.5	19.9 V	691
1997 EV ₂₉	* 1997 03 05.41309	12 20 32.16	-02 34 19.5	19.5 V	691	1997 EE ₃₀	* 1997 03 09.37603	12 25 44.81	-01 22 32.8	20.9 V	691
1997 EV ₂₉	1997 03 05.43417	12 20 31.35	-02 34 09.2	19.5 V	691	1997 EE ₃₀	1997 03 09.39697	12 25 43.87	-01 22 27.1	21.0 V	691
1997 EV ₂₉	1997 03 05.45520	12 20 30.57	-02 33 58.5	19.3 V	691	1997 EE ₃₀	1997 03 09.41795	12 25 42.90	-01 22 21.0	20.5 V	691
1997 EV ₂₉	1997 03 14.39589	12 14 38.63	-01 15 17.5	19.3 V	691	1997 EE ₃₀	1997 03 14.36919	12 22 01.03	-00 58 13.2	20.6 V	691
1997 EV ₂₉	1997 03 14.42485	12 14 37.35	-01 15 01.5	19.1 V	691	1997 EE ₃₀	1997 03 14.40098	12 21 59.49	-00 58 02.8	20.7 V	691
1997 EW ₂₉	* 1997 03 07.34882	12 11 46.73	-01 40 11.3	20.4 V	691	1997 EE ₃₀	1997 03 14.42994	12 21 58.16	-00 57 54.3	21.5 V	691
1997 EW ₂₉	1997 03 07.36969	12 11 45.60	-01 40 04.8	20.3 V	691	1997 EF ₃₀	* 1997 03 09.37711	12 27 18.82	-01 06 33.2	20.4 V	691
1997 EW ₂₉	1997 03 07.39068	12 11 44.42	-01 39 58.5	20.5 V	691	1997 EF ₃₀	1997 03 09.39806	12 27 17.79	-01 06 31.5	20.4 V	691

1997 EF ₃₀	1997 03 09.41904	12 27 16.72	-01 06 29.4	20.1 V	691	2560 P-L	1997 03 04.30595	10 33 40.77	+08 19 56.4	18.4 V	691
1997 EF ₃₀	1997 03 14.36999	12 23 10.29	-00 57 51.1	20.5 V	691	2560 P-L	1997 03 04.32696	10 33 39.72	+08 20 02.4	18.5 V	691
1997 EF ₃₀	1997 03 14.40177	12 23 08.61	-00 57 47.6	20.3 V	691	2560 P-L	1997 03 04.34859	10 33 38.66	+08 20 09.1	18.2 V	691
1997 EF ₃₀	1997 03 14.43073	12 23 07.07	-00 57 44.6	19.8 V	691	2560 P-L	1997 03 11.35449	10 28 13.70	+08 54 22.7	18.4 V	691
1997 EG ₃₀	* 1997 03 09.45498	14 28 45.25	+03 27 47.1	19.4 V	691	2560 P-L	1997 03 11.37576	10 28 12.71	+08 54 28.7	18.3 V	691
1997 EG ₃₀	1997 03 09.47845	14 28 45.34	+03 28 02.1	19.4 V	691	2560 P-L	1997 03 11.39754	10 28 11.74	+08 54 35.1	18.2 V	691
1997 EG ₃₀	1997 03 09.49744	14 28 45.40	+03 28 13.8	19.4 V	691	4127 P-L	1997 03 04.38670	12 20 05.17	-02 30 33.2	20.4 V	691
1997 EG ₃₀	1997 03 14.46100	14 28 51.08	+04 22 20.9	19.5 V	691	4127 P-L	1997 03 04.41017	12 20 04.29	-02 30 27.5	20.6 V	691
1997 EG ₃₀	1997 03 14.47946	14 28 50.96	+04 22 33.9	19.3 V	691	4127 P-L	1997 03 04.43136	12 20 03.49	-02 30 23.0	20.2 V	691
1997 EG ₃₀	1997 03 14.49844	14 28 50.83	+04 22 46.8	19.3 V	691	4127 P-L	1997 03 10.36613	12 16 17.41	-02 05 59.0	20.3 V	691
1997 EH ₃₀	* 1997 03 10.42707	14 16 46.96	+03 49 50.9	20.0 V	691	4127 P-L	1997 03 10.38701	12 16 16.56	-02 05 53.5	20.4 V	691
1997 EH ₃₀	1997 03 10.45471	14 16 46.46	+03 50 00.7	20.2 V	691	4127 P-L	1997 03 10.40794	12 16 15.71	-02 05 48.5	20.1 V	691
1997 EH ₃₀	1997 03 10.48258	14 16 45.94	+03 50 10.5	19.8 V	691	4127 P-L	1997 03 13.41803	12 14 14.26	-01 52 39.2	19.9 V	691
1997 EH ₃₀	1997 03 14.45173	14 15 27.85	+04 14 07.7	20.1 V	691	4127 P-L	1997 03 13.43969	12 14 13.39	-01 52 33.7	19.8 V	691
1997 EH ₃₀	1997 03 14.47018	14 15 27.40	+04 14 14.3	20.2 V	691	4127 P-L	1997 03 13.46149	12 14 12.47	-01 52 28.1	20.1 V	691
1997 EH ₃₀	1997 03 14.48916	14 15 26.98	+04 14 21.2	19.9 V	691	6193 P-L	1997 03 08.24855	09 59 50.62	+01 01 29.1	20.4 V	691
1997 EJ ₃₀	* 1997 03 10.43741	14 31 42.38	+03 44 43.5	19.5 V	691	6193 P-L	1997 03 08.26948	09 59 49.70	+01 01 39.2	20.7 V	691
1997 EJ ₃₀	1997 03 10.46505	14 31 42.17	+03 44 50.6	19.0 V	691	6193 P-L	1997 03 08.29049	09 59 48.75	+01 01 49.9	20.4 V	691
1997 EJ ₃₀	1997 03 10.49292	14 31 41.97	+03 44 57.4	18.8 V	691	6626 P-L	1994 04 14.37944	14 22 29.70	-16 42 32.5		691
1997 EJ ₃₀	1997 03 14.46256	14 31 05.92	+04 01 48.3	19.5 V	691	6626 P-L	1994 04 14.40771	14 22 28.05	-16 42 28.0	17.8 V	691
1997 EJ ₃₀	1997 03 14.48101	14 31 05.67	+04 01 53.4	19.8 V	691	6626 P-L	1994 04 14.43963	14 22 26.22	-16 42 22.8		691
1997 EJ ₃₀	1997 03 14.49999	14 31 05.39	+04 01 58.1	19.2 V	691	6636 P-L	1992 03 11.37353	09 54 43.59	+16 20 09.8	19.3 V	691
1997 EK ₃₀	* 1997 03 12.27807	10 56 18.92	+17 09 21.3	19.3 V	691	6636 P-L	1992 03 11.38649	09 54 43.06	+16 20 12.2		691
1997 EK ₃₀	1997 03 12.31447	10 56 16.75	+17 09 33.8	19.2 V	691	6636 P-L	1992 03 11.39934	09 54 42.57	+16 20 15.7		691
1997 EK ₃₀	1997 03 12.36340	10 56 13.82	+17 09 51.6	19.9 V	691	1163 T-1	1992 09 23.12237	22 45 47.69	-01 54 44.2		691
1997 EK ₃₀	1997 03 14.31077	10 54 22.77	+17 21 05.1	20.2 V	691	1163 T-1	1992 09 23.14069	22 45 46.86	-01 54 51.2	17.0 V	691
1997 EK ₃₀	1997 03 14.32704	10 54 21.74	+17 21 10.6	19.6 V	691	1163 T-1	1992 09 23.15994	22 45 45.93	-01 54 58.1		691
1997 EK ₃₀	1997 03 14.34110	10 54 20.93	+17 21 15.2	19.4 V	691	1205 T-1	1995 08 27.41143	01 12 45.21	+09 18 23.0	19.4 V	691
1997 EL ₃₀	* 1997 03 13.41880	12 15 20.24	-01 31 50.2	19.9 V	691	1205 T-1	1995 08 27.43321	01 12 44.72	+09 18 24.6		691
1997 EL ₃₀	1997 03 13.44045	12 15 19.14	-01 31 44.2	19.8 V	691	1205 T-1	1995 08 27.45472	01 12 44.24	+09 18 25.8		691
1997 EL ₃₀	1997 03 13.46224	12 15 18.00	-01 31 37.4	19.7 V	691	3178 T-1	1991 10 03.28471	00 05 36.80	-00 40 45.0	19.1 V	691
1997 EL ₃₀	1997 03 14.36401	12 14 32.37	-01 27 04.9	19.8 V	691	3178 T-1	1991 10 03.30486	00 05 35.66	-00 40 50.8		691
1997 EL ₃₀	1997 03 14.39580	12 14 30.71	-01 26 55.4	19.8 V	691	3178 T-1	1991 10 03.32528	00 05 34.49	-00 40 56.2		691
1997 EL ₃₀	1997 03 14.42476	12 14 29.18	-01 26 46.3	19.9 V	691	2076 T-2	1992 09 30.38675	00 45 45.71	+03 59 29.7		691
1997 EM ₃₀	* 1997 03 13.41894	12 15 32.65	-01 31 52.8	21.2 V	691	2076 T-2	1992 09 30.41180	00 45 44.20	+03 59 17.8	18.3 V	691
1997 EM ₃₀	1997 03 13.44059	12 15 31.55	-01 31 45.2	21.1 V	691	2076 T-2	1992 09 30.43841	00 45 42.56	+03 59 05.5		691
1997 EM ₃₀	1997 03 13.46239	12 15 30.39	-01 31 37.3	20.6 V	691	2137 T-2	1997 03 05.26781	10 11 10.72	+08 57 26.5	18.9 V	691
1997 EM ₃₀	1997 03 14.36416	12 14 44.75	-01 26 14.0	21.5 V	691	2137 T-2	1997 03 05.28919	10 11 09.36	+08 57 34.4	18.8 V	691
1997 EM ₃₀	1997 03 14.39594	12 14 43.06	-01 26 02.5	21.1 V	691	2137 T-2	1997 03 05.31060	10 11 08.09	+08 57 42.3	18.8 V	691
1997 EM ₃₀	1997 03 14.42490	12 14 41.52	-01 25 52.4	20.7 V	691	2232 T-2	1997 03 05.26872	10 12 57.75	+08 58 03.1	18.6 V	691
1997 EN ₃₀	* 1997 03 13.42802	12 28 39.09	-01 29 24.8	21.3 V	691	2232 T-2	1997 03 05.29006	10 12 56.56	+08 58 11.8	18.7 V	691
1997 EN ₃₀	1997 03 13.44967	12 28 38.11	-01 29 14.4	20.8 V	691	2232 T-2	1997 03 05.31147	10 12 55.41	+08 58 20.1	18.7 V	691
1997 EN ₃₀	1997 03 13.47147	12 28 37.16	-01 29 04.5	21.1 V	691	3270 T-2	1997 01 10.28375	09 09 28.59	+21 15 51.5	17.4 V	691
1997 EN ₃₀	1997 03 14.37332	12 27 59.02	-01 22 01.2	21.3 V	691	3270 T-2	1997 01 10.30732	09 09 27.59	+21 15 59.7	17.5 V	691
1997 EN ₃₀	1997 03 14.40511	12 27 57.58	-01 21 46.2	21.0 V	691	3270 T-2	1997 01 10.32983	09 09 26.62	+21 16 07.5	17.5 V	691
1997 EN ₃₀	1997 03 14.43407	12 27 56.37	-01 21 32.3	20.7 V	691	4076 T-2	1994 03 06.28569	11 14 17.34	+09 00 07.7	16.3 V	691
2072 P-L	1997 03 10.36233	12 10 47.85	-02 04 19.3	18.5 V	691	4076 T-2	1994 03 06.31396	11 14 15.62	+09 00 15.7		691
2072 P-L	1997 03 10.38320	12 10 46.51	-02 04 16.6	18.5 V	691	5162 T-2	1997 02 01.14665	08 31 29.40	+20 59 35.5	17.8 V	691
2072 P-L	1997 03 10.40412	12 10 45.18	-02 04 14.4	18.5 V	691	5162 T-2	1997 02 01.16887	08 31 28.21	+20 59 36.2	17.8 V	691
2072 P-L	1997 03 13.41345	12 07 37.20	-01 57 42.6	18.3 V	691	5162 T-2	1997 02 01.19104	08 31 27.00	+20 59 37.6	17.7 V	691
2072 P-L	1997 03 13.43510	12 07 35.79	-01 57 39.7	18.4 V	691	2204 T-3	1992 10 21.14965	01 04 29.54	+11 18 58.4	18.8 V	691
2072 P-L	1997 03 13.45689	12 07 34.36	-01 57 36.6	18.3 V	691	2204 T-3	1992 10 21.18478	01 04 27.72	+11 18 42.3		691

2204 T-3	1992 10 21.20777	01 04 26.47	+11 18 31.2	691	(2238)	1997 03 14.36779	12 19 59.22	-01 06 41.1	17.4 V	691	
4019 T-3	1997 03 04.30668	10 34 43.95	+08 03 15.4	18.5 V	691	(2238)	1997 03 14.39957	12 19 57.84	-01 06 32.5	17.4 V	691
4019 T-3	1997 03 04.32769	10 34 42.87	+08 03 23.2	18.4 V	691	(2238)	1997 03 14.42854	12 19 56.57	-01 06 25.0	17.3 V	691
4019 T-3	1997 03 04.34932	10 34 41.79	+08 03 31.4	18.4 V	691	(2530)	1997 03 03.17181	10 05 48.36	+01 14 52.6	16.7 V	691
4019 T-3	1997 03 11.35512	10 29 07.81	+08 46 52.5	18.7 V	691	(2530)	1997 03 03.21622	10 05 46.47	+01 15 09.7	16.8 V	691
4019 T-3	1997 03 11.37638	10 29 06.80	+08 47 00.2	18.7 V	691	(2530)	1997 03 08.31338	10 02 19.20	+01 47 40.1	17.6 V	691
4019 T-3	1997 03 11.39816	10 29 05.79	+08 47 08.1	18.7 V	691	(2530)	1997 03 08.33426	10 02 18.36	+01 47 48.2	17.6 V	691
4237 T-3	1997 03 12.19161	10 48 03.56	+16 56 25.9	17.4 V	691	(2530)	1997 03 08.35526	10 02 17.50	+01 47 56.2	17.5 V	691
4237 T-3	1997 03 12.21382	10 48 02.38	+16 56 32.1	17.4 V	691	(2583)	1997 03 07.21967	10 52 23.02	+17 54 56.6	16.8 V	691
4237 T-3	1997 03 12.23625	10 48 01.18	+16 56 38.1	17.4 V	691	(2583)	1997 03 07.24279	10 52 21.53	+17 55 03.4	16.9 V	691
(122)	1997 03 14.36030	12 09 11.10	-00 57 10.3	12.1 V	691	(2583)	1997 03 07.26481	10 52 20.10	+17 55 09.1	16.8 V	691
(122)	1997 03 14.39209	12 09 09.71	-00 57 00.8	12.1 V	691	(2583)	1997 03 13.34910	10 46 05.83	+18 19 12.7	17.0 V	691
(122)	1997 03 14.42105	12 09 08.46	-00 56 52.1	12.1 V	691	(2583)	1997 03 13.37221	10 46 04.43	+18 19 17.4	17.0 V	691
(141)	1997 03 11.22819	10 25 10.55	+02 38 30.5	12.9 V	691	(2583)	1997 03 13.39443	10 46 03.07	+18 19 21.7	16.9 V	691
(141)	1997 03 11.24980	10 25 09.38	+02 38 33.9	12.9 V	691	(2628)	1997 03 11.34805	10 18 55.35	+08 58 58.3	17.6 V	691
(141)	1997 03 11.27246	10 25 08.17	+02 38 37.7	12.8 V	691	(2628)	1997 03 11.36931	10 18 54.44	+08 59 03.3	17.6 V	691
(226)	1997 03 07.28545	10 48 58.54	+18 28 25.9	14.1 V	691	(2628)	1997 03 11.39109	10 18 53.48	+08 59 09.5	17.7 V	691
(226)	1997 03 07.30750	10 48 57.43	+18 28 37.6	14.0 V	691	(2677)	1997 03 08.31625	10 06 28.00	+01 47 22.0	15.4 V	691
(226)	1997 03 07.33000	10 48 56.29	+18 28 49.1	13.9 V	691	(2677)	1997 03 08.33713	10 06 27.13	+01 47 31.4	15.9 V	691
(1273)	1997 03 02.21831	08 39 51.87	+15 08 31.9	17.0 V	691	(2677)	1997 03 08.35813	10 06 26.27	+01 47 40.6	15.4 V	691
(1273)	1997 03 02.24079	08 39 50.96	+15 08 34.0	17.2 V	691	(2677)	1997 03 10.19426	10 05 14.72	+02 01 22.8	15.7 V	691
(1273)	1997 03 02.26273	08 39 50.06	+15 08 36.4	17.2 V	691	(2677)	1997 03 10.21583	10 05 13.85	+02 01 32.5	15.8 V	691
(1530)	1997 03 10.11864	08 27 14.85	+15 12 59.5	17.3 V	691	(2677)	1997 03 10.23675	10 05 13.01	+02 01 42.1	15.9 V	691
(1530)	1997 03 10.14066	08 27 14.38	+15 13 01.1	17.5 V	691	(2684)	1997 03 09.14342	08 40 22.79	+15 39 12.8	16.5 V	691
(1530)	1997 03 10.16238	08 27 13.92	+15 13 02.7	17.1 V	691	(2684)	1997 03 09.16500	08 40 22.33	+15 39 18.9	16.7 V	691
(1603)	1997 03 02.44567	12 38 23.39	+05 57 11.9	15.3 V	691	(2684)	1997 03 09.20017	08 40 21.50	+15 39 28.7	16.4 V	691
(1603)	1997 03 02.46690	12 38 22.65	+05 57 21.1	15.2 V	691	(2783)	1997 03 07.40955	12 05 57.70	-01 06 19.1	18.1 V	691
(1603)	1997 03 02.48812	12 38 21.89	+05 57 30.1	15.2 V	691	(2783)	1997 03 07.43552	12 05 56.42	-01 06 10.8	18.8 V	691
(1607)	1997 03 12.18453	10 37 50.59	+16 35 40.5	15.9 V	691	(2783)	1997 03 07.45662	12 05 55.38	-01 06 04.0	18.1 V	691
(1607)	1997 03 12.20675	10 37 49.48	+16 35 48.1	16.1 V	691	(2899)	1997 03 13.42999	12 31 30.48	-01 38 21.2	17.0 V	691
(1607)	1997 03 12.22918	10 37 48.35	+16 35 55.5	16.4 V	691	(2899)	1997 03 13.45165	12 31 29.27	-01 38 14.9	17.0 V	691
(1858)	1997 03 04.29245	10 14 11.53	+08 29 39.6	15.6 V	691	(2899)	1997 03 13.47344	12 31 28.05	-01 38 08.6	16.9 V	691
(1858)	1997 03 04.31346	10 14 10.40	+08 29 46.5	15.8 V	691	(3043)	1997 03 05.33862	10 44 14.39	+16 55 52.3	16.2 V	691
(1858)	1997 03 04.33509	10 14 09.29	+08 29 51.9	16.0 V	691	(3043)	1997 03 05.36057	10 44 12.10	+16 55 45.5	16.2 V	691
(1858)	1997 03 05.26901	10 13 22.53	+08 34 13.9	15.9 V	691	(3043)	1997 03 05.38412	10 44 09.65	+16 55 37.5	16.2 V	691
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(1858)	1997 03 05.31176	10 13 20.31	+08 34 25.7	15.9 V	691	(3047)	1997 03 11.46246	12 09 01.71	-02 46 58.3	17.0 V	691
(1919)	1997 03 14.35821	12 06 09.27	-01 06 00.0	15.4 V	691	(3047)	1997 03 11.48368	12 09 00.62	-02 46 52.4	16.9 V	691
(1919)	1997 03 14.38997	12 06 05.99	-01 06 13.0	15.3 V	691	(3315)	1997 03 02.43664	12 25 21.13	+05 39 59.8	15.8 V	691
(1919)	1997 03 14.41896	12 06 02.99	-01 06 24.1	15.4 V	691	(3315)	1997 03 02.45787	12 25 20.43	+05 40 11.5	15.9 V	691
(2016)	1997 03 02.31207	12 17 11.63	-01 25 41.9	17.7 V	691	(3315)	1997 03 02.47909	12 25 19.70	+05 40 23.6	16.0 V	691
(2016)	1997 03 02.33319	12 17 10.86	-01 25 37.3	17.6 V	691	(3555)	1997 03 07.28365	10 46 22.62	+18 28 28.5	17.9 V	691
(2016)	1997 03 02.35434	12 17 10.07	-01 25 32.2	17.5 V	691	(3555)	1997 03 07.30570	10 46 21.42	+18 28 32.8	17.9 V	691
(2016)	1997 03 09.36699	12 12 42.14	-00 57 25.6	17.4 V	691	(3555)	1997 03 07.32820	10 46 20.22	+18 28 37.1	18.1 V	691
(2016)	1997 03 09.38794	12 12 41.28	-00 57 20.3	17.4 V	691	(3644)	1997 03 02.30964	12 13 41.70	-01 20 04.3	16.0 V	691
(2016)	1997 03 09.40892	12 12 40.42	-00 57 15.0	17.4 V	691	(3644)	1997 03 02.33076	12 13 40.57	-01 19 59.4	16.2 V	691
(2238)	1997 03 02.38415	12 27 46.88	-01 55 40.2	17.8 V	691	(3644)	1997 03 02.35191	12 13 39.45	-01 19 54.9	16.1 V	691
(2238)	1997 03 02.40515	12 27 46.11	-01 55 35.5	17.9 V	691	(4141)	1997 03 03.31446	10 20 31.25	+07 21 54.2	16.2 V	691
(2238)	1997 03 02.42714	12 27 45.34	-01 55 30.5	17.8 V	691	(4141)	1997 03 03.33633	10 20 29.92	+07 21 56.7	16.2 V	691
(2238)	1997 03 07.35780	12 24 44.29	-01 36 27.4	17.9 V	691	(4141)	1997 03 03.35771	10 20 28.62	+07 21 59.2	16.2 V	691
(2238)	1997 03 07.37867	12 24 43.47	-01 36 22.2	17.9 V	691	(4141)	1997 03 10.26192	10 13 56.88	+07 34 57.4	16.4 V	691
(2238)	1997 03 07.39967	12 24 42.64	-01 36 17.4	17.9 V	691	(4141)	1997 03 10.29512	10 13 55.03	+07 35 00.8	16.4 V	691

(4141)	1997 03 10.32371	10 13 53.43	+07 35 03.8	16.4 V	691	(4970)	1997 03 10.19485	10 06 05.42	+02 07 34.0	16.5 V	691
(4199)	1997 03 07.21826	10 50 21.19	+17 35 20.4	17.2 V	691	(4970)	1997 03 10.21641	10 06 04.26	+02 07 39.3	16.5 V	691
(4199)	1997 03 07.24138	10 50 19.85	+17 35 27.4	17.2 V	691	(4970)	1997 03 10.23732	10 06 03.16	+02 07 44.5	16.5 V	691
(4199)	1997 03 07.26341	10 50 18.55	+17 35 33.8	17.1 V	691	(5265)	1997 03 10.26249	10 14 47.01	+08 00 06.5	17.8 V	691
(4199)	1997 03 13.34813	10 44 42.26	+18 02 50.3	17.2 V	691	(5265)	1997 03 10.29571	10 14 45.65	+08 00 17.9	17.6 V	691
(4199)	1997 03 13.37125	10 44 41.00	+18 02 55.8	17.2 V	691	(5265)	1997 03 10.32430	10 14 44.47	+08 00 27.9	17.6 V	691
(4199)	1997 03 13.39346	10 44 39.77	+18 03 00.7	17.2 V	691	(5265)	1997 03 11.27861	10 14 06.69	+08 05 55.8	17.7 V	691
(4402)	1997 03 04.38999	12 24 50.48	-02 29 34.0	16.5 V	691	(5265)	1997 03 11.30005	10 14 05.81	+08 06 03.2	17.7 V	691
(4402)	1997 03 04.41346	12 24 49.61	-02 29 25.1	16.4 V	691	(5265)	1997 03 11.32263	10 14 04.89	+08 06 10.8	17.9 V	691
(4402)	1997 03 04.43466	12 24 48.84	-02 29 17.3	16.4 V	691	(5415)	1997 03 11.41202	12 06 08.05	-02 47 26.5	16.8 V	691
(4402)	1997 03 13.42134	12 19 01.08	-01 28 40.6	16.1 V	691	(5415)	1997 03 11.46046	12 06 05.40	-02 47 03.8	16.8 V	691
(4402)	1997 03 13.44300	12 19 00.15	-01 28 31.2	16.0 V	691	(5415)	1997 03 11.48168	12 06 04.24	-02 46 53.5	16.7 V	691
(4402)	1997 03 13.46480	12 18 59.21	-01 28 21.7	16.0 V	691	(5501)	1997 03 09.25041	10 24 27.64	+01 52 11.4	16.0 V	691
(4402)	1997 03 14.36666	12 18 21.53	-01 21 56.3	16.4 V	691	(5501)	1997 03 09.27140	10 24 26.56	+01 52 19.3	16.2 V	691
(4402)	1997 03 14.39844	12 18 20.15	-01 21 42.8	16.2 V	691	(5501)	1997 03 09.29229	10 24 25.46	+01 52 27.8	16.1 V	691
(4402)	1997 03 14.42741	12 18 18.87	-01 21 30.5	16.1 V	691	(5503)	1997 03 02.14242	08 28 51.04	+15 51 57.8	16.7 V	691
(4478)	1997 03 02.20582	08 21 49.90	+15 22 47.8	18.0 V	691	(5503)	1997 03 02.16443	08 28 50.50	+15 52 04.5	16.6 V	691
(4478)	1997 03 02.22830	08 21 49.07	+15 22 50.7	18.0 V	691	(5503)	1997 03 02.18767	08 28 49.93	+15 52 11.3	16.6 V	691
(4478)	1997 03 02.25024	08 21 48.26	+15 22 53.7	18.0 V	691	(5538)	1997 03 11.35251	10 25 22.05	+09 00 48.5	18.3 V	691
(4567)	1997 03 04.20486	10 14 59.55	+02 18 36.6	18.1 V	691	(5538)	1997 03 11.37377	10 25 20.80	+09 00 52.9	18.3 V	691
(4567)	1997 03 04.22704	10 14 58.48	+02 18 47.4	17.9 V	691	(5538)	1997 03 11.39555	10 25 19.54	+09 00 57.4	18.3 V	691
(4567)	1997 03 04.24894	10 14 57.39	+02 18 58.4	17.8 V	691	(5573)	1997 03 04.38482	12 17 22.15	-02 24 03.5	17.4 V	691
(4615)	1997 03 04.39192	12 27 37.20	-02 03 52.6	16.7 V	691	(5573)	1997 03 04.40829	12 17 21.22	-02 23 51.6	17.4 V	691
(4615)	1997 03 04.41538	12 27 36.00	-02 03 50.8	16.7 V	691	(5573)	1997 03 04.42948	12 17 20.39	-02 23 40.9	17.5 V	691
(4615)	1997 03 04.43657	12 27 34.94	-02 03 49.2	16.7 V	691	(5573)	1997 03 07.35135	12 15 26.01	-01 58 03.7	17.7 V	691
(4694)	1997 03 05.27881	10 27 31.56	+08 48 38.7	17.4 V	691	(5573)	1997 03 07.37223	12 15 25.12	-01 57 52.2	18.0 V	691
(4694)	1997 03 05.30015	10 27 30.42	+08 48 43.5	17.5 V	691	(5573)	1997 03 07.39322	12 15 24.20	-01 57 40.8	18.2 V	691
(4694)	1997 03 05.32156	10 27 29.26	+08 48 48.1	17.4 V	691	(5770)	1997 03 11.42900	12 30 40.12	-02 48 29.8	17.8 V	691
(4768)	1997 03 13.20656	10 16 43.91	+01 03 40.9	17.1 V	691	(5770)	1997 03 11.47742	12 30 38.30	-02 48 18.0	17.8 V	691
(4768)	1997 03 13.22886	10 16 42.92	+01 03 43.4	17.0 V	691	(5770)	1997 03 11.49865	12 30 37.45	-02 48 12.8	17.9 V	691
(4768)	1997 03 13.25040	10 16 41.95	+01 03 46.0	17.0 V	691	(6049)	1997 03 11.42841	12 29 49.16	-02 44 54.4	17.3 V	691
(4910)	1997 03 13.14040	08 40 16.85	+14 02 04.9	18.5 V	691	(6049)	1997 03 11.47683	12 29 46.85	-02 44 36.5	17.3 V	691
(4910)	1997 03 13.16286	08 40 16.24	+14 02 09.2	18.8 V	691	(6049)	1997 03 11.49806	12 29 45.81	-02 44 28.7	17.3 V	691
(4910)	1997 03 13.18585	08 40 15.66	+14 02 14.2	18.8 V	691	(6527)	1997 03 13.26681	10 20 47.24	+03 26 22.1	16.9 V	691
(4921)	1997 03 05.20734	10 08 12.98	+02 57 14.7	17.3 V	691	(6527)	1997 03 13.28021	10 20 46.46	+03 26 26.8	17.0 V	691
(4921)	1997 03 05.22835	10 08 11.85	+02 57 23.0	17.3 V	691	(6527)	1997 03 13.29461	10 20 45.69	+03 26 31.0	16.9 V	691
(4921)	1997 03 05.25138	10 08 10.62	+02 57 31.6	17.3 V	691	(6614)	1997 03 05.14359	08 28 35.07	+14 29 52.8	17.8 V	691
(4954)	1997 03 05.41980	12 30 13.36	-02 40 44.3	15.3 V	691	(6614)	1997 03 05.16549	08 28 34.57	+14 29 58.9	17.8 V	691
(4954)	1997 03 05.44086	12 30 11.45	-02 40 43.6	15.2 V	691	(6614)	1997 03 05.18732	08 28 34.06	+14 30 04.9	17.8 V	691
(4954)	1997 03 05.46189	12 30 09.54	-02 40 42.7	15.1 V	691	(6614)	1997 03 12.12384	08 26 51.95	+14 59 18.9	18.4 V	691
(4954)	1997 03 11.42236	12 21 05.36	-02 35 31.2	15.5 V	691	(6614)	1997 03 12.14560	08 26 51.73	+14 59 24.1	18.3 V	691
(4954)	1997 03 11.47076	12 21 00.68	-02 35 27.6	15.1 V	691	(6614)	1997 03 12.16797	08 26 51.52	+14 59 29.2	18.2 V	691
(4954)	1997 03 11.49197	12 20 58.64	-02 35 26.2	15.0 V	691	(6626)	1997 03 07.42513	12 28 36.94	-00 59 05.9	20.2 V	691
(4970)	1997 03 03.24373	10 12 27.32	+01 39 38.3	16.4 V	691	(6626)	1997 03 07.45110	12 28 35.83	-00 58 58.6	19.7 V	691
(4970)	1997 03 03.26524	10 12 26.01	+01 39 43.1	16.3 V	691	(6626)	1997 03 07.47219	12 28 34.89	-00 58 53.0	20.6 V	691
(4970)	1997 03 03.29129	10 12 24.43	+01 39 49.1	16.4 V	691	(6632)	1997 03 12.27875	10 57 17.59	+17 30 35.2	17.2 V	691
(4970)	1997 03 04.35681	10 11 22.80	+01 44 01.7	16.8 V	691	(6632)	1997 03 12.31514	10 57 15.39	+17 30 41.0	17.4 V	691
(4970)	1997 03 04.36226	10 11 22.47	+01 44 03.1	16.7 V	691	(6632)	1997 03 12.36407	10 57 12.40	+17 30 49.2	17.1 V	691
(4970)	1997 03 04.36768	10 11 22.14	+01 44 04.3	16.8 V	691	(6632)	1997 03 12.38837	10 57 10.81	+17 30 52.6	17.0 V	691
(4970)	1997 03 08.31712	10 07 43.38	+01 59 57.4	16.8 V	691	(6632)	1997 03 12.41055	10 57 09.47	+17 30 56.2	17.1 V	691
(4970)	1997 03 08.33800	10 07 42.22	+02 00 02.4	17.0 V	691	(6632)	1997 03 12.43290	10 57 08.12	+17 30 59.6	17.2 V	691
(4970)	1997 03 08.35899	10 07 41.06	+02 00 07.4	16.7 V	691	(6636)	1997 03 11.42645	12 26 59.74	-02 46 10.9	17.8 V	691

(6636)	1997 03 11.47487	12 26 57.18	-02 45 51.6	17.8 V	691	1981 VL	1997 02 01.43968	11 45 39.25	+05 51 30.1	696
(6636)	1997 03 11.49610	12 26 56.07	-02 45 43.0	17.8 V	691	1995 YV ₃	1997 02 01.52837	14 35 45.59	+18 15 04.2	696
(6637)	1997 03 09.24648	10 18 47.79	+01 50 26.3	16.6 V	691	1995 YV ₃	1997 02 01.53620	14 35 45.75	+18 15 07.1	696
(6637)	1997 03 09.28837	10 18 45.57	+01 50 41.3	16.6 V	691	1995 YV ₃	1997 02 01.54068	14 35 45.84	+18 15 09.9	696
(6659)	1997 03 05.20376	10 03 02.80	+02 45 18.0	16.5 V	691	1997 CU ₂₆	1997 03 03.09734	08 27 24.95	+15 40 05.4	696
(6659)	1997 03 05.22477	10 03 01.64	+02 45 25.5	16.4 V	691	1997 CU ₂₆	1997 03 03.18891	08 27 23.99	+15 40 06.7	696
(6659)	1997 03 05.24780	10 03 00.38	+02 45 33.5	16.3 V	691	1997 CU ₂₆	1997 03 06.13394	08 26 54.21	+15 40 51.6	696
(6773)	1997 03 02.13685	08 20 48.95	+15 54 35.3	17.8 V	691	1997 CU ₂₆	1997 03 06.13998	08 26 54.14	+15 40 51.5	696
(6773)	1997 03 02.15887	08 20 48.36	+15 54 42.1	17.9 V	691	1997 CU ₂₆	1997 03 06.14627	08 26 54.09	+15 40 51.7	696
(6773)	1997 03 02.18211	08 20 47.73	+15 54 49.8	17.8 V	691	1997 CU ₂₆	1997 03 06.15959	08 26 53.95	+15 40 51.7	696
(6820)	1997 03 04.39304	12 29 14.48	-02 06 51.3	17.3 V	691	1997 CU ₂₆	1997 03 06.16556	08 26 53.88	+15 40 51.9	696
(6820)	1997 03 04.41651	12 29 13.58	-02 06 44.6	17.2 V	691	1997 CU ₂₆	1997 03 06.17153	08 26 53.82	+15 40 52.0	696
(6820)	1997 03 04.43770	12 29 12.78	-02 06 38.5	17.2 V	691	1997 CU ₂₆	1997 03 06.17750	08 26 53.78	+15 40 52.1	696
(6820)	1997 03 07.35963	12 27 22.73	-01 52 09.1	17.2 V	691	1997 CU ₂₆	1997 03 06.21353	08 26 53.41	+15 40 52.6	696
(6820)	1997 03 07.38050	12 27 21.89	-01 52 02.7	17.2 V	691	1997 CU ₂₆	1997 03 06.21951	08 26 53.35	+15 40 52.6	696
(6820)	1997 03 07.40149	12 27 21.04	-01 51 56.3	17.2 V	691	1997 CU ₂₆	1997 03 06.22547	08 26 53.29	+15 40 52.8	696
(6820)	1997 03 14.36954	12 22 30.98	-01 14 33.6	17.0 V	691	1997 CU ₂₆	1997 03 06.23146	08 26 53.23	+15 40 52.8	696
(6820)	1997 03 14.40132	12 22 29.55	-01 14 22.8	17.0 V	691	1997 CU ₂₆	1997 03 06.23766	08 26 53.16	+15 40 53.0	696
(6820)	1997 03 14.43029	12 22 28.23	-01 14 13.2	17.0 V	691	1997 CU ₂₆	1997 03 06.24975	08 26 53.06	+15 40 53.1	696
(6836)	1997 03 04.29965	10 24 35.25	+08 28 09.3	17.4 V	691	1997 CU ₂₆	1997 03 06.25572	08 26 53.01	+15 40 52.8	696
(6836)	1997 03 04.32066	10 24 34.23	+08 28 15.2	17.4 V	691	1997 CU ₂₆	1997 03 06.26168	08 26 52.95	+15 40 52.7	696
(6836)	1997 03 04.34230	10 24 33.14	+08 28 21.5	17.5 V	691	1997 CU ₂₆	1997 03 06.26779	08 26 52.91	+15 40 53.2	696
(6836)	1997 03 05.27623	10 23 48.71	+08 32 42.0	17.6 V	691	1997 CU ₂₆	1997 03 06.27446	08 26 52.78	+15 40 53.4	696
(6836)	1997 03 05.29758	10 23 47.66	+08 32 48.0	17.5 V	691	1997 CU ₂₆	1997 03 06.35627	08 26 51.98	+15 40 54.5	696
(6836)	1997 03 05.31899	10 23 46.60	+08 32 53.9	17.5 V	691	1997 CU ₂₆	1997 03 06.37002	08 26 51.84	+15 40 54.7	696
(6836)	1997 03 11.34821	10 19 09.93	+08 59 59.4	17.7 V	691	1997 CU ₂₆	1997 03 06.37601	08 26 51.79	+15 40 54.7	696
(6836)	1997 03 11.36948	10 19 08.99	+09 00 04.6	17.7 V	691	1997 CU ₂₆	1997 03 06.38198	08 26 51.73	+15 40 54.9	696
(6836)	1997 03 11.39126	10 19 07.99	+09 00 10.3	17.7 V	691	1997 CU ₂₆	1997 03 08.16383	08 26 34.78	+15 41 18.9	696
(6839)	1997 03 05.27233	10 18 10.11	+09 02 48.6	16.7 V	691	1997 CU ₂₆	1997 03 08.17127	08 26 34.73	+15 41 19.0	696
(6839)	1997 03 05.29367	10 18 09.07	+09 02 54.4	16.8 V	691	1997 CU ₂₆	1997 03 08.17905	08 26 34.63	+15 41 19.1	696
(6839)	1997 03 05.31508	10 18 08.03	+09 03 00.2	16.7 V	691	1997 CU ₂₆	1997 03 08.18829	08 26 34.53	+15 41 19.3	696
(7043)	1997 03 04.30511	10 32 27.99	+08 24 05.6	16.2 V	691	1997 CU ₂₆	1997 03 08.19567	08 26 34.48	+15 41 19.4	696
(7043)	1997 03 04.32612	10 32 26.72	+08 24 16.0	16.1 V	691	1997 CU ₂₆	1997 03 08.20444	08 26 34.38	+15 41 19.4	696
(7043)	1997 03 04.34775	10 32 25.41	+08 24 27.2	16.2 V	691	1997 CU ₂₆	1997 03 08.21615	08 26 34.27	+15 41 19.6	696
(7414)	1992 02 05.26888	08 52 47.90	+17 05 28.8		691	1997 CU ₂₆	1997 03 08.22353	08 26 34.20	+15 41 19.6	696
(7414)	1992 02 05.29378	08 52 46.67	+17 05 33.6	18.7 V	691	1997 CU ₂₆	1997 03 08.23097	08 26 34.12	+15 41 19.7	696
(7414)	1992 02 05.32610	08 52 45.07	+17 05 40.6		691	1997 CU ₂₆	1997 03 08.24334	08 26 34.01	+15 41 19.9	696
(7502)	1991 11 05.39995	02 44 19.69	+14 32 54.8		691	1997 CU ₂₆	1997 03 08.25071	08 26 33.94	+15 41 20.0	696
(7502)	1991 11 05.42054	02 44 18.60	+14 32 48.8		691	1997 CU ₂₆	1997 03 08.25806	08 26 33.88	+15 41 20.1	696
(7502)	1991 11 05.44127	02 44 17.49	+14 32 43.1	16.8 V	691	1997 CU ₂₆	1997 03 08.26603	08 26 33.79	+15 41 20.3	696
(7502)	1995 06 04.38802	21 35 33.07	-12 02 30.0		691	1997 CU ₂₆	1997 03 08.27339	08 26 33.72	+15 41 20.2	696
(7502)	1995 06 04.41549	21 35 33.66	-12 02 25.9	18.2 V	691	1997 CU ₂₆	1997 03 08.28076	08 26 33.65	+15 41 20.4	696
(7502)	1995 06 04.45293	21 35 34.44	-12 02 20.6		691	1997 CU ₂₆	1997 03 08.29076	08 26 33.56	+15 41 20.4	696
696 F. L. Whipple Observatory, Mount Hopkins						1997 CU ₂₆	1997 03 08.29818	08 26 33.49	+15 41 20.6	696
B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,						1997 CU ₂₆	1997 03 08.30554	08 26 33.41	+15 41 20.7	696
Cambridge, MA 02138, U.S.A. [bmarsden@cfa.harvard.edu]						1997 CU ₂₆	1997 03 08.31294	08 26 33.36	+15 41 20.8	696
Observers C. W. Hergenrother, W. Brown						1997 CU ₂₆	1997 03 08.32146	08 26 33.26	+15 41 20.9	696
Measurers C. W. Hergenrother, J. Luu						1997 CU ₂₆	1997 03 08.32883	08 26 33.20	+15 41 21.0	696
1.2-m <i>f</i> /8 reflector + CCD						1997 CU ₂₆	1997 03 08.33620	08 26 33.12	+15 41 21.0	696
GSC						1997 CU ₂₆	1997 03 08.34355	08 26 33.05	+15 41 21.2	696
1981 VL	1997 02 01.42411	11 45 39.66	+05 51 27.3		696	1997 CU ₂₆	1997 03 08.35405	08 26 32.96	+15 41 21.3	696
1981 VL	1997 02 01.43191	11 45 39.45	+05 51 28.7		696	1997 CU ₂₆	1997 03 08.36141	08 26 32.91	+15 41 21.4	696

1997 CU ₂₆	1997 03 08.36876	08 26 32.82	+15 41 21.5	696
1997 CU ₂₆	1997 03 08.38025	08 26 32.72	+15 41 21.6	696
1997 CU ₂₆	1997 03 08.38760	08 26 32.64	+15 41 21.7	696

697 Kitt Peak, McGraw-Hill Observatory

H. F. Levison, Southwest Research Institute, 1050 Walnut, Suite 429, Boulder, CO
80302, U.S.A. [hal@gort.boulder.swri.edu]

Observers H. F. Levison, J. W. Parker

2.4-m reflector + CCD

GSC

1995 WY ₂	1997 02 10.13579	05 11 15.96	+22 59 56.6	697
1995 WY ₂	1997 02 10.18933	05 11 15.89	+22 59 56.3	697

700 Chinle

J. Bruton, Many Farms Observatory, P.O. Box 86, Chinle, AZ 86503, U.S.A.

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

GSC

1997 CU ₂₆	1997 03 02.16631	08 27 34.75	+15 39 49.8	16.0 V	700
1997 CU ₂₆	1997 03 02.17973	08 27 34.66	+15 39 50.0	16.3 V	700
1997 CU ₂₆	1997 03 02.21101	08 27 34.34	+15 39 52.2	16.0 V	700
1997 EC ₃	* 1997 03 06.24766	09 03 42.98	+34 42 24.1	17.3 V	700
1997 EC ₃	1997 03 06.27332	09 03 41.15	+34 41 46.9	17.5 V	700
1997 EC ₃	1997 03 07.20296	09 02 42.67	+34 20 02.9	17.2 V	700
1997 EC ₃	1997 03 07.21341	09 02 41.99	+34 19 50.3	17.3 V	700
1997 EC ₃	1997 03 07.23493	09 02 40.57	+34 19 18.5	17.3 V	700
1997 EC ₃	1997 03 08.19372	09 01 43.22	+33 56 45.5	15.8 V	700
1997 EC ₃	1997 03 08.21715	09 01 41.80	+33 56 10.7	16.0 V	700
1997 EC ₃	1997 03 08.28662	09 01 37.48	+33 54 32.4	16.1 V	700
1997 EC ₃	1997 03 08.34039	09 01 34.09	+33 53 12.1	16.5 V	700
1997 EC ₃	1997 03 09.24058	09 00 44.07	+33 31 55.3	17.0 V	700
1997 EC ₃	1997 03 09.25093	09 00 43.41	+33 31 40.8	17.5 V	700
1997 EC ₃	1997 03 09.26160	09 00 42.78	+33 31 26.1	17.6 V	700
1997 EC ₃	1997 03 11.26297	08 59 00.74	+32 43 35.7	17.3 V	700
1997 EC ₃	1997 03 11.26897	08 59 00.48	+32 43 26.9	17.2 V	700
1997 EC ₃	1997 03 11.28196	08 58 59.64	+32 43 09.4	17.3 V	700
(916)	1997 03 02.31741	10 06 50.98	+10 12 41.7	15.2 V	700
(916)	1997 03 02.32912	10 06 50.25	+10 12 43.0	15.1 V	700
(916)	1997 03 02.33814	10 06 49.67	+10 12 44.2	15.0 V	700
(2091)	1997 03 05.20164	05 40 11.22	+21 12 32.5	14.7 V	700
(2091)	1997 03 06.11823	05 40 45.55	+21 16 01.7	14.4 V	700
(2091)	1997 03 06.15650	05 40 47.01	+21 16 10.5	14.9 V	700
(3567)	1997 03 05.27036	11 38 19.01	-08 27 05.5	16.6 V	700
(3567)	1997 03 05.29119	11 38 17.88	-08 26 59.0	17.2 V	700

704 Lincoln Laboratory Experimental Test System, New Mexico

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U.S.A. [viggh@ll.mit.edu]

Observers M. Blythe, F. Shelly

Measurers J. Sharma, J. Stuart, H. Viggh

1.0-m *f*/2.15 reflector + CCD

1990 QR ₁	1997 01 30.17229	08 00 50.25	+20 19 18.7	704
1990 QR ₁	1997 01 30.22784	08 00 47.29	+20 19 28.4	704
1993 XN ₂	1997 01 30.17923	02 43 31.82	+42 35 46.9	704

1993 XN ₂	1997 01 30.24867	02 43 44.93	+42 36 56.2	704
1997 EF ₂₉	* 1997 03 11.27472	10 04 41.41	+06 04 00.6	19.1 V 704
1997 EF ₂₉	1997 03 11.35062	10 04 37.91	+06 05 57.0	704
1997 EF ₂₉	1997 03 13.18108	10 03 21.70	+06 51 57.2	19.2 V 704
1997 EF ₂₉	1997 03 13.22275	10 03 19.88	+06 52 58.7	704
1997 EF ₂₉	1997 03 13.30583	10 03 16.25	+06 55 02.5	704
1997 EF ₂₉	1997 03 13.33361	10 03 15.05	+06 55 44.2	704
(1862)	1997 01 30.18201	02 40 11.84	+22 57 11.0	704
(1862)	1997 01 30.25145	02 40 23.56	+22 57 56.0	704
(2083)	1997 01 29.16327	03 12 28.73	+16 20 54.8	704
(2083)	1997 01 29.19092	03 12 30.93	+16 20 46.1	704
(2083)	1997 01 30.17506	03 13 50.99	+16 15 59.9	704
(2083)	1997 01 30.24451	03 13 56.71	+16 15 40.1	704
(2083)	1997 01 31.21750	03 15 17.23	+16 11 11.5	704
(2083)	1997 01 31.24527	03 15 19.51	+16 11 03.5	704
(4179)	1997 01 29.11866	08 01 30.49	+20 26 39.9	704
(4179)	1997 01 29.18813	08 01 27.63	+20 26 53.3	704
(4179)	1997 01 30.17229	08 00 56.37	+20 29 26.4	704
(4179)	1997 01 30.24173	08 00 53.45	+20 29 38.4	704
(4179)	1997 01 31.21472	08 00 25.66	+20 32 00.1	704
(4179)	1997 01 31.24249	08 00 24.42	+20 32 05.4	704
(5253)	1997 01 29.16188	03 22 01.32	+38 54 56.9	704
(5253)	1997 01 29.18953	03 22 02.12	+38 55 20.6	704
(5253)	1997 01 30.17367	03 22 35.01	+39 09 16.2	704
(5253)	1997 01 30.24312	03 22 37.36	+39 10 13.7	704
(5253)	1997 01 31.21611	03 23 13.44	+39 23 55.2	704
(5253)	1997 01 31.22166	03 23 13.63	+39 23 59.3	704
(5253)	1997 01 31.24389	03 23 14.43	+39 24 17.4	704
(5253)	1997 01 31.24944	03 23 14.69	+39 24 21.7	704
(5261)	1997 01 30.18062	04 39 01.42	-01 13 33.6	704
(5261)	1997 01 30.25006	04 39 03.87	-01 13 33.1	704
(5261)	1997 01 31.22305	04 39 42.13	-01 13 18.8	704
(5261)	1997 01 31.25083	04 39 43.19	-01 13 18.8	704
(5999)	1997 01 30.17784	03 20 56.31	+29 24 04.6	704
(5999)	1997 01 30.24728	03 20 59.22	+29 24 58.6	704
(7431)	1997 01 30.17506	03 15 17.26	+16 25 15.4	704
(7431)	1997 01 30.24451	03 15 20.01	+16 25 27.5	704

709 W & B Observatory, Cloudcroft

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[offutt@galileo.apo.nmsu.edu]

0.60-m *f*/7 Ritchey-Chrétien + CCD

GSC

1997 EC ₂₆	* 1997 03 11.21834	10 00 08.10	+12 15 27.1	20.3 V	709
1997 EC ₂₆	1997 03 11.23449	10 00 07.45	+12 15 30.6	20.6 V	709
1997 EC ₂₆	1997 03 11.25067	10 00 06.71	+12 15 34.6	20.5 V	709
1997 EC ₂₆	1997 03 11.26683	10 00 06.06	+12 15 38.1	20.4 V	709
1997 EC ₂₆	1997 03 11.28301	10 00 05.37	+12 15 41.7	20.6 V	709
1997 EC ₂₆	1997 03 11.29918	10 00 04.67	+12 15 45.7	20.4 V	709
1997 EC ₂₆	1997 03 12.16130	09 59 30.76	+12 19 02.6	19.9 V	709
1997 EC ₂₆	1997 03 12.16891	09 59 30.41	+12 19 04.3	19.6 V	709
1997 EC ₂₆	1997 03 12.17618	09 59 30.15	+12 19 06.2	20.0 V	709
1997 EC ₂₆	1997 03 12.18198	09 59 29.86	+12 19 07.4	19.5 V	709

1997 MAR. 24

M.P.C. 29273

1997 EC ₂₆	1997 03 12.18892	09 59 29.60	+12 19 09.0	19.9 V	709
1997 EC ₂₆	1997 03 12.19638	09 59 29.32	+12 19 10.3	19.5 V	709
1997 EC ₂₆	1997 03 12.20287	09 59 29.04	+12 19 11.9	19.6 V	709
1997 EC ₂₆	1997 03 13.23065	09 58 49.65	+12 22 58.1	20.9 V	I 709
1997 EC ₂₆	1997 03 13.23774	09 58 49.35	+12 23 00.1	21.1 V	709
1997 EC ₂₆	1997 03 13.24476	09 58 49.06	+12 23 01.5	21.1 V	709
1997 EC ₂₆	1997 03 13.24931	09 58 48.88	+12 23 02.4	21.0 V	709
1997 EC ₂₆	1997 03 13.25573	09 58 48.60	+12 23 04.1	20.9 V	709
1997 ED ₂₆	* 1997 03 12.16130	09 59 34.67	+12 21 20.5	18.9 V	709
1997 ED ₂₆	1997 03 12.16891	09 59 34.36	+12 21 22.6	18.9 V	709
1997 ED ₂₆	1997 03 12.17618	09 59 34.05	+12 21 24.5	19.0 V	709
1997 ED ₂₆	1997 03 12.18198	09 59 33.84	+12 21 25.9	18.8 V	709
1997 ED ₂₆	1997 03 12.18892	09 59 33.55	+12 21 27.9	18.8 V	709
1997 ED ₂₆	1997 03 12.19638	09 59 33.23	+12 21 29.8	18.8 V	709
1997 ED ₂₆	1997 03 12.20287	09 59 32.99	+12 21 31.4	18.8 V	709
1997 ED ₂₆	1997 03 13.17853	09 58 55.25	+12 25 40.8	19.7 V	709
1997 ED ₂₆	1997 03 13.18517	09 58 54.98	+12 25 42.4	19.8 V	709
1997 ED ₂₆	1997 03 13.19082	09 58 54.78	+12 25 43.9	19.8 V	709
1997 ED ₂₆	1997 03 13.19701	09 58 54.53	+12 25 45.4	19.6 V	709
1997 ED ₂₆	1997 03 13.21413	09 58 53.84	+12 25 49.8	19.6 V	709
1997 ED ₂₆	1997 03 15.20042	09 57 40.29	+12 33 58.6	18.5 V	709
1997 ED ₂₆	1997 03 15.20380	09 57 40.15	+12 33 59.5	18.6 V	709
1997 ED ₂₆	1997 03 15.21029	09 57 39.92	+12 34 01.1	18.7 V	709
1997 ED ₂₆	1997 03 15.21741	09 57 39.64	+12 34 02.8	18.7 V	709
1997 ED ₂₆	1997 03 15.22365	09 57 39.41	+12 34 04.3	18.5 V	709
1997 ED ₂₆	1997 03 15.23066	09 57 39.16	+12 34 06.0	18.4 V	709

710 Florissant

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[71511.515@compuserve.com]

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

GSC

(1091)	1997 02 10.07431	07 14 17.97	+23 16 36.4	710
(1091)	1997 02 10.11256	07 14 16.80	+23 16 38.6	710
(1091)	1997 02 11.16701	07 13 45.88	+23 17 34.8	710
(1091)	1997 02 11.20341	07 13 44.78	+23 17 36.3	710
(1239)	1997 02 10.07894	06 57 26.10	+24 54 13.7	710
(1239)	1997 02 10.11493	06 57 25.59	+24 54 14.8	710
(1239)	1997 02 11.16916	06 57 14.17	+24 54 31.4	710
(1239)	1997 02 11.20747	06 57 13.68	+24 54 32.2	710
(1353)	1997 02 10.08715	06 41 46.38	+11 03 07.4	710
(1353)	1997 02 10.11684	06 41 45.68	+11 03 12.4	710
(1353)	1997 02 11.17396	06 41 21.22	+11 06 13.0	710
(1353)	1997 02 11.21030	06 41 20.36	+11 06 19.1	710
(1366)	1997 02 10.09132	07 16 52.07	+35 11 42.8	710
(1366)	1997 02 10.11852	07 16 50.97	+35 11 40.4	710
(1366)	1997 02 11.17836	07 16 09.34	+35 09 52.6	710
(1366)	1997 02 11.21331	07 16 07.97	+35 09 48.9	710
(1467)	1997 02 02.25486	06 48 55.83	+41 19 03.2	710
(1467)	1997 02 02.29653	06 48 53.98	+41 18 49.9	710
(1467)	1997 02 04.16580	06 47 35.35	+41 08 52.7	710
(1467)	1997 02 04.19722	06 47 34.02	+41 08 42.4	710
(1617)	1997 02 02.25804	07 12 01.76	+10 08 28.1	I 710

(1617)	1997 02 02.30174	07 12 00.05	+10 08 45.8	710
(1617)	1997 02 04.16944	07 10 51.80	+10 20 24.3	710
(1617)	1997 02 04.20069	07 10 50.62	+10 20 36.1	710
(1660)	1997 02 02.21354	04 09 46.86	-06 02 58.5	710
(1660)	1997 02 02.23686	04 09 48.14	-06 02 49.3	710
(1660)	1997 02 04.13472	04 11 41.10	-05 49 52.8	710
(1660)	1997 02 04.17433	04 11 43.44	-05 49 36.2	710
(1689)	1997 02 08.34618	09 30 25.79	+17 45 34.3	710
(1689)	1997 02 08.38241	09 30 23.55	+17 45 50.3	710
(1689)	1997 02 09.22170	09 29 33.85	+17 51 52.5	710
(1689)	1997 02 09.24971	09 29 32.14	+17 52 04.5	710
(1879)	1997 02 02.26545	07 25 33.37	+19 27 43.8	710
(1879)	1997 02 02.30637	07 25 31.39	+19 27 47.3	710
(1879)	1997 02 04.20457	07 24 07.24	+19 30 37.3	710
(1929)	1997 02 02.26991	07 36 08.27	+32 54 18.1	710
(1929)	1997 02 02.31319	07 36 05.68	+32 54 23.1	710
(1929)	1997 02 04.18194	07 34 24.89	+32 57 59.9	710
(1929)	1997 02 04.21076	07 34 23.26	+32 58 01.9	f 710
(2004)	1997 02 08.34201	08 55 56.07	+21 03 04.5	710
(2004)	1997 02 08.37928	08 55 53.46	+21 03 11.1	710
(2004)	1997 02 09.22483	08 54 57.33	+21 05 41.6	710
(2004)	1997 02 09.25174	08 54 55.45	+21 05 46.6	710
(2027)	1997 02 10.09352	07 33 43.29	+36 12 19.4	710
(2027)	1997 02 10.12049	07 33 42.24	+36 12 18.8	710
(2027)	1997 02 11.18160	07 33 00.66	+36 11 47.9	710
(2027)	1997 02 11.21563	07 32 59.31	+36 11 46.7	710
(2091)	1997 02 02.22332	05 32 50.79	+19 02 41.8	710
(2091)	1997 02 02.28160	05 32 50.10	+19 02 57.5	710
(2091)	1997 02 04.14248	05 32 34.26	+19 11 11.2	710
(2091)	1997 02 04.19051	05 32 33.86	+19 11 23.7	710
(2165)	1997 02 10.09809	05 48 58.47	+24 40 01.4	710
(2165)	1997 02 10.12350	05 48 58.48	+24 40 01.3	710
(2165)	1997 02 11.18519	05 49 01.20	+24 39 40.3	710
(2165)	1997 02 11.21823	05 49 01.27	+24 39 39.0	710
(2381)	1997 02 10.10046	06 02 58.41	+10 12 39.3	710
(2381)	1997 02 10.12552	06 02 58.47	+10 12 54.0	I 710
(2381)	1997 02 11.18981	06 03 05.34	+10 23 29.9	710
(2381)	1997 02 11.22240	06 03 05.53	+10 23 49.7	710
(2397)	1997 02 02.23148	05 49 57.91	+13 23 21.1	710
(2397)	1997 02 02.28513	05 49 57.41	+13 23 40.5	710
(2397)	1997 02 04.14595	05 49 45.39	+13 34 59.4	710
(2397)	1997 02 04.19375	05 49 45.08	+13 35 16.5	710
(2841)	1997 02 08.33628	09 17 13.40	+22 39 50.9	710
(2841)	1997 02 08.37477	09 17 10.95	+22 40 06.3	710
(2841)	1997 02 09.22708	09 16 17.32	+22 45 52.5	710
(2841)	1997 02 09.25382	09 16 15.56	+22 46 03.5	710
(3036)	1997 02 08.33368	09 00 39.95	+48 42 48.4	710
(3036)	1997 02 08.37083	09 00 37.42	+48 42 48.0	710
(3036)	1997 02 09.22963	08 59 39.90	+48 42 28.3	I 710
(3036)	1997 02 09.26019	08 59 37.96	+48 42 27.3	710
(3247)	1997 02 08.32986	09 22 22.19	+22 55 50.9	710
(3247)	1997 02 08.36707	09 22 19.75	+22 56 01.5	710

(3247)	1997 02 09.23206	09 21 24.82	+23 00 00.0	710
(3247)	1997 02 09.26360	09 21 22.73	+23 00 07.2	710
(3475)	1997 02 08.32523	08 04 14.51	-01 09 20.5	710
(3475)	1997 02 08.34850	08 04 13.46	-01 09 16.5	710
(3475)	1997 02 09.21927	08 03 36.80	-01 06 45.5	710
(3475)	1997 02 09.24722	08 03 35.57	-01 06 41.7	710
(3779)	1997 02 10.10289	07 22 23.97	+41 39 12.5	I 710
(3779)	1997 02 10.12882	07 22 22.92	+41 39 11.1	I 710
(3779)	1997 02 11.22650	07 21 41.05	+41 37 51.4	710
(3935)	1997 02 08.32303	08 53 47.67	+13 40 53.2	710
(3935)	1997 02 08.36458	08 53 45.01	+13 40 54.9	710
(3935)	1997 02 09.23565	08 52 50.30	+13 41 34.1	710
(3935)	1997 02 09.26580	08 52 48.37	+13 41 34.8	710
(5083)	1997 02 10.10561	07 34 25.77	+29 35 19.7	I 710
(5083)	1997 02 10.13137	07 34 24.44	+29 35 11.2	I 710
(5083)	1997 02 11.19664	07 33 30.24	+29 28 57.4	I 710
(5083)	1997 02 11.22894	07 33 28.50	+29 28 47.0	I 710
(5138)	1997 02 08.31753	08 02 35.16	+19 16 43.5	710
(5138)	1997 02 08.35851	08 02 33.39	+19 16 48.7	I 710
(5138)	1997 02 09.20660	08 01 58.45	+19 18 48.6	710
(5138)	1997 02 09.24068	08 01 56.96	+19 18 53.8	710
(5407)	1997 02 08.30677	08 04 02.72	+25 45 02.2	I 710
(5407)	1997 02 08.35561	08 03 58.64	+25 45 43.2	710
(5407)	1997 02 09.21424	08 02 51.07	+25 57 36.6	710
(5407)	1997 02 09.24358	08 02 48.55	+25 58 01.4	710
(5539)	1997 02 08.29676	08 19 13.07	+18 49 13.7	710
(5539)	1997 02 08.35313	08 19 09.73	+18 49 17.5	710
(5539)	1997 02 09.23814	08 18 22.58	+18 51 12.1	710
(5539)	1997 02 09.26817	08 18 20.93	+18 51 15.7	710
(6642)	1997 02 10.10787	07 40 05.56	+28 21 47.7	I 710
(6642)	1997 02 10.13333	07 40 04.68	+28 21 46.9	I 710
(6642)	1997 02 11.19931	07 39 30.21	+28 21 06.8	I 710
(6642)	1997 02 11.23438	07 39 29.03	+28 21 06.1	I 710
(6662)	1997 02 02.27743	07 15 02.85	+11 45 10.0	710
(6662)	1997 02 02.31736	07 15 00.86	+11 45 05.7	710
(6662)	1997 02 04.18519	07 13 35.59	+11 42 12.3	710
(6662)	1997 02 04.21406	07 13 34.26	+11 42 09.9	710

711 McDonald Observatory

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Observer P. J. Shelus

Measurer P. J. Shelus

0.76-m telescope with Prime Focus Corrector + CCD

GSC 1.1

1987 OA	1997 03 15.33981	12 23 43.75	-03 36 15.3	711
1987 OA	1997 03 15.34503	12 23 42.78	-03 36 04.5	711
1991 VH	1997 03 15.32745	11 37 15.35	+34 33 59.6	711
1991 VH	1997 03 15.33382	11 37 14.61	+34 34 12.3	711
1995 GO	1997 03 15.41550	13 24 32.95	-14 52 59.3	711
1995 GO	1997 03 15.43070	13 24 32.68	-14 52 57.6	711
1996 RG ₃	1997 03 15.46779	15 06 14.23	-11 27 20.2	711
1996 RG ₃	1997 03 15.47568	15 06 13.11	-11 27 12.3	711

1997 CU ₂₆	1997 03 15.25830	08 25 34.54	+15 42 35.1	711
1997 CU ₂₆	1997 03 15.27203	08 25 34.43	+15 42 35.2	711
(1685)	1997 03 15.35098	12 32 38.05	-26 32 19.8	711
(1685)	1997 03 15.35727	12 32 37.25	-26 32 16.4	711
(3103)	1997 03 15.28516	09 17 58.17	+36 54 47.8	711
(3103)	1997 03 15.29837	09 17 57.88	+36 54 50.7	711
(3567)	1997 03 15.31076	11 29 39.95	-07 36 52.1	711
(3567)	1997 03 15.31992	11 29 39.47	-07 36 49.5	711
(4179)	1997 03 15.20946	08 14 33.73	+20 07 54.3	711
(4179)	1997 03 15.21591	08 14 34.11	+20 07 51.9	711
(5145)	1997 03 15.40008	13 17 49.22	+19 10 02.0	711
(5145)	1997 03 15.40596	13 17 48.87	+19 10 02.5	711

721 Lime Creek

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[lindh@cscb.cambridge.ne.us]

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

GSC

1992 GZ ₄	1997 03 06.12841	11 48 39.51	+04 58 17.8	18.8 V	721
1992 GZ ₄	1997 03 06.19435	11 48 36.71	+04 58 37.6	18.7 V	721
1992 GZ ₄	1997 03 07.18002	11 47 54.48	+05 03 18.9	18.0 V	721
1992 GZ ₄	1997 03 07.23845	11 47 51.86	+05 03 37.0	17.5 V	721
1997 EB ₃	* 1997 03 06.26958	12 22 36.79	+04 35 28.9	18.1 V	721
1997 EB ₃	1997 03 06.30060	12 22 35.16	+04 35 41.3		721
1997 EB ₃	1997 03 07.29513	12 21 44.88	+04 42 21.7	18.5 V	721
1997 EB ₃	1997 03 07.32332	12 21 43.33	+04 42 32.8		721
1997 EO ₁₇	* 1997 03 10.25131	12 34 25.85	+07 59 05.3	18.5 V	721
1997 EO ₁₇	1997 03 10.29657	12 34 23.35	+07 59 20.9		721
1997 EO ₁₇	1997 03 11.20838	12 33 34.04	+08 04 50.1	18.3 V	721
1997 EO ₁₇	1997 03 11.24122	12 33 32.20	+08 05 02.3		721
(2967)	1997 03 06.25416	12 31 28.36	+12 32 31.8	16.3 V	721
(2967)	1997 03 06.28961	12 31 26.72	+12 32 38.4		721
(2967)	1997 03 07.27398	12 30 43.08	+12 35 42.1	16.1 V	721
(2967)	1997 03 07.30668	12 30 41.59	+12 35 47.9		721
(4301)	1997 03 06.16466	11 48 38.07	+04 37 58.6	16.4 V	721
(4301)	1997 03 06.22081	11 48 35.50	+04 38 14.3		721
(4301)	1997 03 07.16226	11 47 53.54	+04 42 35.0	16.4 V	721
(4301)	1997 03 07.21719	11 47 51.02	+04 42 50.5		721
(6214)	1997 03 06.16466	11 48 29.18	+04 45 04.9	17.7 V	721
(6214)	1997 03 06.22081	11 48 26.80	+04 45 21.0		721
(6214)	1997 03 07.16226	11 47 48.07	+04 49 44.2	17.7 V	721
(6214)	1997 03 07.21719	11 47 45.67	+04 49 59.1		721

732 Oaxaca

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

0.20-m *f*/7.4 reflector + CCD

GSC

1981 UU ₁₁	1997 02 14.21836	09 45 43.24	+02 05 29.2	18.0 R	732
1981 UU ₁₁	1997 02 14.22431	09 45 42.99	+02 05 30.7	17.6 R	732
1981 UU ₁₁	1997 03 01.28361	09 34 03.68	+03 47 28.3	18.0 R	732
1981 UU ₁₁	1997 03 01.28928	09 34 03.44	+03 47 30.2	17.8 R	732
1981 UU ₁₁	1997 03 01.29466	09 34 03.19	+03 47 33.2	17.7 R	732
1987 JG	1997 02 14.23097	09 50 55.78	+02 34 47.6	17.4 R	732

1987 JG	1997 02 14.23667	09 50 55.45	+02 34 48.8	17.9 R	732
1987 JG	1997 02 14.24230	09 50 55.12	+02 34 51.5	18.1 R	732
1987 JG	1997 03 01.26468	09 36 17.00	+03 52 54.6	17.9 R	732
1987 JG	1997 03 01.27002	09 36 16.76	+03 52 56.8	18.0 R	732
1987 JG	1997 03 01.27525	09 36 16.53	+03 52 58.0	18.0 R	732
(3567)	1997 02 14.28338	11 52 36.42	-09 23 58.2	18.5 R	732
(3567)	1997 02 14.28900	11 52 36.28	-09 23 58.7	19.2 R	732
(3567)	1997 02 14.29454	11 52 36.11	-09 23 58.4	18.0 R	732
(3567)	1997 03 01.31471	11 41 37.58	-08 43 34.0	18.3 R	732
(3567)	1997 03 01.32959	11 41 36.89	-08 43 29.7	18.2 R	732
(3567)	1997 03 01.33608	11 41 36.57	-08 43 27.8	18.1 R	732
(5865)	1997 03 09.18869	08 02 54.78	+10 47 44.7	18.3 R	732
(5865)	1997 03 09.19433	08 02 54.75	+10 47 46.3	18.3 R	732
(5865)	1997 03 10.13428	08 02 48.98	+10 52 29.4	19.6 R	732
(5865)	1997 03 10.14027	08 02 48.98	+10 52 29.9	18.5 R	732
(5865)	1997 03 10.14573	08 02 48.99	+10 52 31.3	19.1 R	732
(6017)	1997 03 09.20457	09 59 16.85	+04 53 56.8	17.5 R	732
(6017)	1997 03 09.21138	09 59 16.48	+04 53 59.3	17.3 R	732
(6017)	1997 03 09.21719	09 59 16.17	+04 54 01.6	17.4 R	732
(6017)	1997 03 10.19282	09 58 27.81	+05 01 01.6	17.5 R	732
(6017)	1997 03 10.19851	09 58 27.52	+05 01 04.7	17.4 R	732
(6017)	1997 03 10.20394	09 58 27.26	+05 01 06.8	17.2 R	732
(6394)	1997 03 08.21780	08 14 50.07	+07 03 10.8	17.7 R	732
(6394)	1997 03 08.22359	08 14 50.05	+07 03 17.7	17.7 R	732
(6394)	1997 03 09.11433	08 14 42.10	+07 18 44.3	17.6 R	732
(6394)	1997 03 09.11972	08 14 42.00	+07 18 49.5	17.6 R	732
(6394)	1997 03 09.12493	08 14 41.99	+07 18 55.1	17.8 R	732

735 George Observatory, Needville

W. G. Dillon, Fort Bend Astronomy Club, P.O. Box 942, Stafford, TX 77497-0942,
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Observers D. Borgman, W. G. Dillon, J. Harrison, R. Pepper, K. Rivich

Measurer K. Rivich

0.46-m reflector + CCD

GSC

1997 DP	* 1997 02 16.29006	10 13 27.80	+03 22 03.5	17.4 R	735
1997 DP	1997 02 16.32722	10 13 25.99	+03 22 14.3	18.1 R	735
1997 DP	1997 02 16.36749	10 13 24.20	+03 22 26.8	17.5 R	735
1997 DP	1997 03 03.21771	10 02 37.09	+04 44 13.2	18.7 R	735
1997 DP	1997 03 03.23924	10 02 36.13	+04 44 20.4	18.8 R	735
1997 DP	1997 03 04.12569	10 01 59.97	+04 49 22.7	20.7 R	735
1997 DP	1997 03 04.16458	10 01 58.31	+04 49 36.0	19.7 R	735

748 Van Allen Observatory

R. DeMartino, 138 Harding Ave., West Haven, CT 06516, U.S.A.

[astro1@tiac.net]

Observers J. Kazerzak, B. Nelleremoe

Measurer R. DeMartino

0.18-m $f/7$ refractor + CCD

GSC

(701)	1997 02 25.26157	07 21 20.69	+13 45 07.3		748
(1384)	1997 02 25.25693	07 19 33.99	+14 18 31.3		748

(1384)	1997 02 25.30138	07 19 34.03	+14 18 50.2		748
(1790)	1997 03 03.20976	09 38 24.52	+19 23 16.5		748

750 Hobbs Observatory, Fall Creek

R. Elliott, S475 County Road K, Fall Creek, WI 54742, U.S.A.

[elliottb@uwec.edu]

0.60-m $f/5$ reflector + CCD

GSC

(1657)	1997 02 25.20903	12 24 15.51	+42 01 57.0		750
(1657)	1997 02 25.22257	12 24 15.33	+42 02 12.4		750
(1657)	1997 02 25.22743	12 24 15.24	+42 02 18.2		750
(1657)	1997 02 25.22847	12 24 15.21	+42 02 19.5		750
(2091)	1997 02 25.18056	05 35 59.77	+20 40 56.8		750
(2091)	1997 02 25.19028	05 36 00.00	+20 40 59.3		750

809 European Southern Observatory

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

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

G. Hahn, DLR, Institute for Planetary Exploration, Rudower Chaussee 5, D-12489 Berlin, Germany [hahn@terra.pe.ba.dlr.de] (9)

Observers U. Carsenty, E. Elst, C.-I. Lagerkvist, S. Mottola, G. Pizarro, O. Pizarro, M. Lindgren

Measurers E. W. Elst, M. Lundström, O. Hernius

1.0-m Schmidt, 0.60-m Bochum $f/15$ reflector + CCD

1991 TL	1994 09 05.13056	22 06 46.84	-14 53 48.5		4 809
1991 TL	1994 09 05.14375	22 06 46.14	-14 53 56.0		4 809
1991 TL	1994 09 05.15694	22 06 45.56	-14 54 02.4		4 809
1992 EN ₉	1992 04 06.06285	10 00 57.31	+12 42 53.7	17.8	8 809
1995 FA ₁	1996 09 03.34038	02 57 31.97	+17 24 38.8		9 809
1995 FA ₁	1996 09 03.34843	02 57 32.14	+17 24 38.8		9 809
1995 FA ₁	1996 09 03.38073	02 57 32.67	+17 24 40.4		9 809
1995 FA ₁	1996 09 03.40147	02 57 33.01	+17 24 41.6		9 809
1995 UL ₃	1992 04 06.15243	10 52 52.24	+12 41 26.5	18.8	8 809
1997 AL ₁₃	1992 04 07.14618	10 40 42.43	+08 14 09.6	16.7	8 809
1997 AS ₁₇	1992 09 02.18403	23 53 15.79	-07 17 04.4	18.0	4 809
1997 AS ₁₇	1992 09 02.19444	23 53 15.26	-07 17 09.4		4 809
1997 AS ₁₇	1992 09 02.20486	23 53 14.75	-07 17 14.5		4 809
(18)	1995 08 27.28646	23 53 01.97	-06 11 30.8		8 809
(18)	1995 08 28.22812	23 52 46.28	-06 24 06.9		8 809
(18)	1995 08 28.29062	23 52 44.94	-06 24 57.4		8 809
(18)	1995 08 29.29965	23 52 26.24	-06 38 38.0		8 809
(18)	1995 08 31.29444	23 51 44.66	-07 06 19.2		8 809
(18)	1995 09 01.22361	23 51 23.55	-07 19 22.0		8 809
(28)	1995 08 27.28646	23 55 10.65	-06 41 59.3		8 809
(28)	1995 08 28.22812	23 54 37.73	-06 48 46.0		8 809
(28)	1995 08 28.29062	23 54 35.46	-06 49 14.1		8 809
(28)	1995 08 29.29965	23 53 59.20	-06 56 34.2		8 809
(28)	1995 08 30.30000	23 53 22.30	-07 03 53.4		8 809
(28)	1995 08 31.22708	23 52 47.56	-07 10 44.0		8 809
(28)	1995 08 31.29444	23 52 44.76	-07 11 14.5		8 809
(28)	1995 09 01.22361	23 52 09.08	-07 18 08.8		8 809

(50)	1995 08 19.20035	23 42 30.77	-00 33 24.3	8 809	(454)	1995 08 29.29965	23 55 49.15	-07 42 01.2	8 809
(50)	1995 08 20.22326	23 42 17.80	-00 36 51.1	8 809	(454)	1995 08 30.30000	23 55 03.68	-07 46 20.7	8 809
(50)	1995 08 22.33264	23 41 45.32	-00 44 41.0	8 809	(454)	1995 08 31.22708	23 54 20.91	-07 50 22.4	8 809
(50)	1995 08 24.33646	23 41 08.15	-00 53 00.8	8 809	(454)	1995 08 31.29444	23 54 17.55	-07 50 40.8	8 809
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(1636)	1995 09 01.29514	23 45 33.55	-01 24 35.5		8 809	(2415)	1995 08 25.23229	23 59 52.80	-03 59 26.8	16.3 V	8 809
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(4459)	1995 09 19.20694	23 33 00.23	-04 28 58.6	15.6 V	8 809	(4847)	1995 08 26.29062	23 40 59.34	-03 05 59.7	16.9 V	8 809
(4459)	1995 09 20.18264	23 32 06.09	-04 36 23.2	15.7 V	8 809	(4847)	1995 08 27.18785	23 40 15.53	-03 11 14.0	17.0 V	8 809
(4459)	1995 09 22.17986	23 30 15.74	-04 51 22.7	15.7 V	8 809	(4847)	1995 08 28.22812	23 39 23.33	-03 17 26.2	17.4 V	8 809
(4459)	1995 09 22.24861	23 30 11.95	-04 51 53.9	16.2 V	8 809	(4847)	1995 09 01.29514	23 35 48.13	-03 42 42.4	17.1 V	8 809
(4459)	1995 09 23.16528	23 29 21.98	-04 58 41.6	16.0 V	8 809	(4847)	1995 09 17.17569	23 20 21.69	-05 27 43.5	17.2 V	8 809
(4459)	1995 09 24.15451	23 28 28.27	-05 05 57.6	16.8 V	8 809	(4847)	1995 09 18.14306	23 19 25.31	-05 33 57.2	17.6 V	8 809
(4459)	1995 09 29.21528	23 24 02.99	-05 41 35.4		8 809	(4847)	1995 09 20.25556	23 17 23.18	-05 47 15.6	17.0 V	8 809
(4662)	1995 08 24.33646	23 54 18.93	-02 23 26.2	17.6 V	8 809	(4847)	1995 09 22.17986	23 15 34.88	-05 59 03.1	16.8 V	8 809
(4662)	1995 08 25.23229	23 53 49.06	-02 28 27.1	18.9 V	8 809	(4936)	1995 08 25.23229	23 58 19.54	-02 18 20.4	16.5 V	8 809
(4662)	1995 08 25.30035	23 53 46.64	-02 28 52.2	18.0 V	8 809	(4936)	1995 08 26.22674	23 57 47.70	-02 25 40.0	16.4 V	8 809
(4662)	1995 08 26.22674	23 53 15.04	-02 34 07.2	17.6 V	8 809	(4936)	1995 08 28.29062	23 56 36.64	-02 41 24.3		8 809
(4662)	1995 08 28.22812	23 52 03.70	-02 45 48.2		8 809	(4936)	1995 08 29.29965	23 55 59.78	-02 49 21.2	16.2 V	8 809
(4662)	1995 08 29.29965	23 51 24.08	-02 52 13.2	17.3 V	8 809	(4936)	1995 09 01.29514	23 54 02.13	-03 13 49.5	15.7 V	8 809
(4662)	1995 09 01.29514	23 49 28.49	-03 10 33.1	17.4 V	8 809	(4936)	1995 09 22.24861	23 36 44.56	-06 23 30.4	15.7 V	8 809
(4662)	1995 09 18.23611	23 37 08.47	-05 01 16.4	17.7 V	8 809	(4936)	1995 09 23.16528	23 35 56.45	-06 31 41.5	15.5 V	8 809
(4662)	1995 09 19.14167	23 36 27.30	-05 07 12.5	17.4 V	8 809	(4936)	1995 09 24.15451	23 35 04.58	-06 40 24.7	15.7 V	8 809
(4662)	1995 09 19.20694	23 36 24.24	-05 07 38.0	16.6 V	8 809	(4936)	1995 09 29.21528	23 30 46.91	-07 23 12.7		8 809
(4662)	1995 09 20.18264	23 35 39.78	-05 13 59.8	16.9 V	8 809	(5048)	1995 09 20.18264	23 38 52.59	-00 26 44.9	16.9 V	8 809
(4662)	1995 09 22.24861	23 34 06.12	-05 27 18.8	17.1 V	8 809	(5075)	1995 08 19.20035	23 27 15.67	-01 13 23.2	17.4 V	8 809
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(4662)	1995 09 24.15451	23 32 40.68	-05 39 23.7	17.0 V	8 809	(5075)	1995 08 22.33264	23 25 09.03	-01 24 53.8	17.2 V	8 809
(4664)	1995 08 19.20035	23 44 05.63	-01 19 11.5	16.9 V	8 809	(5132)	1995 08 25.23229	00 00 08.16	-02 07 31.0	15.8 V	8 809
(4664)	1995 08 20.22326	23 43 33.27	-01 21 59.8	17.1 V	8 809	(5132)	1995 08 26.22674	23 59 40.24	-02 16 34.7	15.3 V	8 809
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(4664)	1995 09 17.17569	23 23 26.94	-03 13 28.4	16.3 V	8 809	(5132)	1995 09 24.15451	23 40 32.13	-07 07 33.5	14.3 V	8 809
(4664)	1995 09 18.14306	23 22 41.03	-03 17 49.5	15.6 V	8 809	(5140)	1995 08 24.33646	23 45 00.23	-02 34 55.0		8 809
(4664)	1995 09 18.23611	23 22 36.41	-03 18 14.8	16.2 V	8 809	(5140)	1995 08 25.30035	23 44 33.06	-02 41 57.4	15.2 V	8 809
(4664)	1995 09 19.14167	23 21 53.82	-03 22 17.9	15.8 V	8 809	(5140)	1995 08 28.22812	23 43 05.47	-03 03 56.9	15.8 V	8 809
(4664)	1995 09 20.25556	23 21 01.30	-03 27 14.7	15.9 V	8 809	(5140)	1995 09 01.29514	23 40 51.97	-03 35 54.3	15.8 V	8 809
(4664)	1995 09 22.17986	23 19 32.13	-03 35 42.7	16.4 V	8 809	(5140)	1995 09 18.23611	23 30 11.08	-05 56 58.7		8 809
(4758)	1995 08 24.33646	23 44 14.16	-04 23 16.9		8 809	(5140)	1995 09 20.25556	23 28 52.11	-06 13 37.3	14.8 V	8 809
(4758)	1995 08 25.30035	23 43 42.60	-04 26 58.0	16.7 V	8 809	(5140)	1995 09 22.17986	23 27 37.82	-06 29 15.4	15.2 V	8 809
(4758)	1995 08 26.29062	23 43 09.25	-04 30 47.4	16.0 V	8 809	(5140)	1995 09 22.24861	23 27 35.11	-06 29 49.1	15.9 V	8 809
(4758)	1995 08 27.18785	23 42 38.34	-04 34 20.3	16.2 V	8 809	(5140)	1995 09 23.16528	23 27 00.13	-06 37 09.8	15.7 V	8 809
(4758)	1995 08 27.28646	23 42 34.66	-04 34 43.8	16.1 V	8 809	(5140)	1995 09 24.15451	23 26 22.66	-06 45 01.3	15.3 V	8 809
(4758)	1995 08 28.22812	23 42 01.25	-04 38 32.1	16.5 V	8 809	(5140)	1995 09 29.21528	23 23 17.94	-07 23 45.1		8 809
(4758)	1995 08 30.30000	23 40 44.67	-04 47 08.3	16.0 V	8 809	(5417)	1995 08 19.20035	23 28 41.45	-01 15 44.9	16.2 V	8 809
(4758)	1995 08 31.22708	23 40 09.48	-04 51 03.4	16.1 V	8 809	(5417)	1995 08 20.22326	23 28 05.23	-01 18 16.1	16.4 V	8 809
(4758)	1995 09 01.29514	23 39 27.70	-04 55 34.3	16.7 V	8 809	(5417)	1995 08 22.33264	23 26 45.21	-01 24 02.8	16.2 V	8 809
(4758)	1995 09 20.25556	23 25 55.59	-06 19 00.8	15.9 V	8 809	(5444)	1995 08 24.33646	23 45 05.61	-02 07 19.5	17.5 V	8 809
(4758)	1995 09 22.17986	23 24 33.32	-06 26 51.8	16.1 V	8 809	(5444)	1995 08 25.30035	23 44 25.91	-02 11 59.2	18.7 V	8 809
(4758)	1995 09 22.24861	23 24 30.34	-06 27 07.8	16.1 V	8 809	(5444)	1995 09 01.29514	23 39 07.06	-02 48 58.5	17.2 V	8 809
(4758)	1995 09 23.16528	23 23 51.73	-06 30 46.6	16.0 V	8 809	(5444)	1995 09 17.17569	23 24 56.82	-04 25 13.3	16.8 V	8 809
(4758)	1995 09 24.15451	23 23 10.47	-06 34 37.4	15.6 V	8 809	(5444)	1995 09 18.14306	23 24 03.21	-04 31 11.8	16.6 V	8 809
(4758)	1995 09 29.21528	23 19 48.53	-06 52 53.2		8 809	(5444)	1995 09 18.23611	23 23 57.82	-04 31 45.6	17.6 V	8 809
(4847)	1995 08 20.22326	23 45 28.10	-02 33 21.4	17.1 V	8 809	(5444)	1995 09 19.14167	23 23 07.96	-04 37 19.7	17.3 V	8 809
(4847)	1995 08 22.33264	23 44 00.48	-02 44 05.8	17.1 V	8 809	(5444)	1995 09 20.25556	23 22 06.25	-04 44 07.0	17.7 V	8 809
(4847)	1995 08 24.33646	23 42 31.39	-02 54 54.9	16.9 V	8 809	(5444)	1995 09 22.17986	23 20 21.18	-04 55 45.0	16.2 V	8 809
(4847)	1995 08 25.30035	23 41 46.58	-03 00 19.4	16.5 V	8 809	(5444)	1995 09 22.24861	23 20 17.38	-04 56 09.9	16.3 V	8 809

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(5522)	1995 08 19.20035	23 34 15.30	-00 54 51.0	16.7 V	8 809	(6561)	1995 08 29.29965	23 57 06.32	-02 22 36.2	15.2 V	8 809
(5522)	1995 08 20.22326	23 33 39.04	-00 57 46.7	16.9 V	8 809	(6561)	1995 09 01.29514	23 55 49.06	-03 01 58.2	15.4 V	8 809
(5522)	1995 08 22.33264	23 32 19.31	-01 04 20.8	16.9 V	8 809	(6587)	1995 08 24.33646	23 48 06.13	-02 00 30.1	16.4 V	8 809
(5522)	1995 09 17.17569	23 10 19.23	-03 07 37.4	16.1 V	8 809	(6587)	1995 08 25.23229	23 47 29.23	-02 02 13.2	17.1 V	8 809
(5532)	1995 08 24.33646	23 51 08.87	-02 12 29.8	17.7 V	8 809	(6587)	1995 08 25.30035	23 47 26.23	-02 02 21.3	16.4 V	8 809
(5532)	1995 08 25.23229	23 50 38.68	-02 16 04.5	18.2 V	8 809	(6587)	1995 08 26.22674	23 46 46.86	-02 04 14.3	16.6 V	8 809
(5532)	1995 08 25.30035	23 50 36.31	-02 16 21.7	17.0 V	8 809	(6587)	1995 09 01.29514	23 42 01.15	-02 18 50.1	16.9 V	8 809
(5532)	1995 08 26.22674	23 50 04.39	-02 20 08.6	17.8 V	8 809	(6587)	1995 09 17.17569	23 27 21.93	-03 08 27.9	16.2 V	8 809
(5532)	1995 08 28.22812	23 48 53.18	-02 28 31.4	17.9 V	8 809	(6587)	1995 09 18.14306	23 26 26.65	-03 11 39.2	16.0 V	8 809
(5532)	1995 08 28.29062	23 48 50.87	-02 28 48.9	17.7 V	8 809	(6587)	1995 09 18.23611	23 26 20.99	-03 11 57.5	16.1 V	8 809
(5532)	1995 08 29.29965	23 48 13.91	-02 33 08.3	18.2 V	8 809	(6587)	1995 09 19.14167	23 25 29.57	-03 14 55.3	16.5 V	8 809
(5532)	1995 09 01.29514	23 46 20.45	-02 46 18.1	17.6 V	8 809	(6587)	1995 09 20.25556	23 24 26.04	-03 18 32.1	16.3 V	8 809
(5532)	1995 09 18.23611	23 34 35.31	-04 06 00.8	17.0 V	8 809	(6587)	1995 09 22.17986	23 22 38.13	-03 24 40.1	16.3 V	8 809
(5532)	1995 09 19.14167	23 33 56.71	-04 10 17.8	17.7 V	8 809	(6602)	1995 08 24.33646	23 42 09.63	-00 30 33.0	15.7 V	8 809
(5532)	1995 09 19.20694	23 33 53.80	-04 10 36.6	17.7 V	8 809	(6602)	1995 08 25.30035	23 40 45.94	-00 19 58.2	15.3 V	8 809
(5532)	1995 09 20.18264	23 33 12.21	-04 15 11.7	17.1 V	8 809	(6612)	1995 08 29.23646	23 37 37.27	-09 20 26.7	16.2 V	8 809
(5532)	1995 09 22.24861	23 31 44.60	-04 24 47.0	17.3 V	8 809	(6612)	1995 08 30.22986	23 36 47.13	-09 26 38.2	16.2 V	8 809
(5532)	1995 09 23.16528	23 31 06.14	-04 28 59.8	17.6 V	8 809	(6612)	1995 08 30.30000	23 36 43.44	-09 27 02.4	16.5 V	8 809
(5532)	1995 09 24.15451	23 30 24.76	-04 33 29.5	17.9 V	8 809	(6616)	1995 09 17.17569	23 12 33.99	-01 27 25.9	15.9 V	8 809
(5549)	1995 08 29.23646	23 41 27.30	-08 42 35.1	16.8 V	8 809	(6625)	1995 09 01.29514	23 48 59.62	-00 06 08.6		8 809
(5549)	1995 08 30.22986	23 40 33.54	-08 44 35.3	17.2 V	8 809	(6625)	1995 09 18.23611	23 37 19.05	-01 28 06.0	16.9 V	8 809
(5549)	1995 08 30.30000	23 40 29.56	-08 44 43.9	16.7 V	8 809	(6625)	1995 09 19.14167	23 36 39.43	-01 32 49.2	16.7 V	8 809
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(5549)	1995 09 29.21528	23 11 34.69	-09 27 16.5		8 809	(6625)	1995 09 20.18264	23 35 53.52	-01 38 14.2	17.0 V	8 809
(5576)	1995 08 27.28646	23 49 22.12	-07 38 42.5	16.6 V	8 809	(6642)	1995 08 27.28646	23 53 14.20	-05 14 23.6	17.3 V	8 809
(5576)	1995 08 30.30000	23 47 13.77	-07 51 01.1	16.4 V	8 809	(6642)	1995 08 28.22812	23 52 40.16	-05 17 53.3	17.0 V	8 809
(5576)	1995 08 31.22708	23 46 32.75	-07 54 51.5	16.5 V	8 809	(6642)	1995 08 28.29062	23 52 37.74	-05 18 07.9	17.4 V	8 809
(5576)	1995 08 31.29444	23 46 29.55	-07 55 08.4	16.5 V	8 809	(6642)	1995 08 29.29965	23 52 00.25	-05 21 56.3	16.6 V	8 809
(5576)	1995 09 29.21528	23 22 30.27	-09 43 04.4		8 809	(6642)	1995 08 30.30000	23 51 22.15	-05 25 47.4	17.0 V	8 809
(5654)	1995 08 30.22986	23 43 07.70	-07 53 12.8	16.9 V	8 809	(6642)	1995 08 31.22708	23 50 46.29	-05 29 23.2	17.2 V	8 809
(5654)	1995 08 30.30000	23 43 04.36	-07 53 27.8	16.9 V	8 809	(6642)	1995 08 31.29444	23 50 43.52	-05 29 39.6	17.2 V	8 809
(5654)	1995 08 31.22708	23 42 21.87	-07 56 49.9	17.0 V	8 809	(6642)	1995 09 01.22361	23 50 06.72	-05 33 19.5	17.2 V	8 809
(5654)	1995 09 29.21528	23 18 14.36	-09 31 18.8		8 809	(6642)	1995 09 22.24861	23 34 15.55	-06 59 08.2	16.5 V	8 809
(5921)	1995 09 17.17569	23 25 59.23	-00 47 13.5	16.0 V	8 809	(6642)	1995 09 23.16528	23 33 32.41	-07 02 38.4	16.3 V	8 809
(5921)	1995 09 18.23611	23 24 53.92	-00 52 14.1	15.5 V	8 809	(6642)	1995 09 24.15451	23 32 45.92	-07 06 21.5	17.2 V	8 809
(5921)	1995 09 19.14167	23 23 58.86	-00 56 31.2	15.6 V	8 809	(6642)	1995 09 29.21528	23 28 52.74	-07 24 18.9		8 809
(5943)	1995 08 28.29062	00 04 26.00	-06 32 00.9	17.2 V	8 809	(6658)	1995 08 29.23646	23 41 30.92	-09 19 44.6		8 809
(5943)	1995 08 29.29965	00 03 42.92	-06 40 14.4	16.5 V	8 809	(6658)	1995 08 30.22986	23 40 46.86	-09 27 32.7	15.1 V	8 809
(5943)	1995 08 31.29444	00 02 14.16	-06 56 45.4	16.7 V	8 809	(6658)	1995 08 30.30000	23 40 43.49	-09 28 05.9	15.5 V	8 809
(5943)	1995 09 01.22361	00 01 31.26	-07 04 31.7	16.7 V	8 809	(6658)	1995 08 31.22708	23 40 01.43	-09 35 24.2	15.6 V	8 809
(5990)	1995 08 24.33646	23 52 05.09	-00 22 11.3	16.8 V	8 809	(6661)	1995 09 18.23611	23 32 46.17	-00 54 39.3	15.5 V	8 809
(5990)	1995 08 25.23229	23 51 21.72	-00 23 45.6	16.9 V	8 809	(6661)	1995 09 19.14167	23 32 01.31	-01 01 21.5	15.1 V	8 809
(5990)	1995 08 25.30035	23 51 18.22	-00 23 53.1	16.7 V	8 809	(6727)	1995 08 26.29062	23 29 16.44	-06 47 38.3	16.8 V	8 809
(5990)	1995 08 26.22674	23 50 32.15	-00 25 37.7	16.8 V	8 809	(6727)	1995 08 27.18785	23 28 38.53	-06 50 47.9	16.8 V	8 809
(5990)	1995 09 01.29514	23 45 03.27	-00 39 33.0	17.3 V	8 809	(6727)	1995 08 29.23646	23 27 07.90	-06 58 12.3	16.4 V	8 809
(5990)	1995 09 17.17569	23 28 38.36	-01 29 47.5	16.0 V	8 809	(6727)	1995 08 30.22986	23 26 22.45	-07 01 53.2	16.4 V	8 809
(5990)	1995 09 18.23611	23 27 31.06	-01 33 26.5	16.7 V	8 809	(6945)	1995 08 19.20035	23 35 13.16	-05 07 27.8	17.0 V	8 809
(5990)	1995 09 19.14167	23 26 34.05	-01 36 35.0	16.4 V	8 809	(6945)	1995 08 20.22326	23 34 28.00	-05 08 30.6	17.1 V	8 809
(5991)	1995 08 29.23646	23 32 19.78	-08 18 12.6	17.7 V	8 809	(6945)	1995 08 26.29062	23 29 25.77	-05 16 53.6	16.6 V	8 809
(5991)	1995 08 30.22986	23 31 29.20	-08 23 46.1	17.1 V	8 809	(6945)	1995 08 27.18785	23 28 36.74	-05 18 24.9	16.6 V	8 809
(6561)	1995 08 25.23229	23 58 32.37	-01 31 45.0	15.1 V	8 809						

817 Sudbury

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[dicicco@skypub.com]

0.41-m Schmidt-Cassegrain + CCD

GSC

1995 UD ₂	1997 03 08.16853	08 04 52.79	+08 13 39.6	18.3 R	817
1995 UD ₂	1997 03 08.18098	08 04 52.58	+08 13 42.3	18.3 R	817
1995 UD ₂	1997 03 08.19233	08 04 52.39	+08 13 45.2	18.2 R	817
1995 UD ₂	1997 03 14.05653	08 03 41.52	+08 36 41.2	18.4 R	817
1995 UD ₂	1997 03 14.07947	08 03 41.33	+08 36 46.7	18.0 R	817
1995 XB	1997 03 08.16221	11 13 18.82	+09 40 40.9	16.6 R	817
1995 XB	1997 03 08.17675	11 13 18.09	+09 40 45.0	16.7 R	817
1995 XB	1997 03 08.18569	11 13 17.64	+09 40 47.8	16.7 R	817
1995 XB	1997 03 14.06284	11 08 32.90	+10 08 38.4	17.1 R	817
1995 XB	1997 03 14.08447	11 08 31.83	+10 08 44.1	17.0 R	817
1996 VF ₃	1997 02 26.07422	03 38 36.82	+26 28 05.6	17.3 R	817
1996 VF ₃	1997 02 26.08726	03 38 38.38	+26 28 10.0	17.1 R	817
1996 VF ₃	1997 03 14.04750	04 13 02.63	+28 12 26.7	18.3 R	817
1996 VF ₃	1997 03 14.05155	04 13 03.15	+28 12 28.3	18.5 R	817
1996 VF ₃	1997 03 14.07108	04 13 05.85	+28 12 34.7	18.3 R	817
1996 VF ₃	1997 03 14.07464	04 13 06.32	+28 12 35.7	18.3 R	817
1997 CU ₂₆	1997 02 26.07984	08 28 19.99	+15 38 39.6	17.5 R	817

834 Buenos Aires-AAAAG. D. Rodriguez, Seccion Sistema Solar, Asociacion Argentina Amigos de la Astronomia, Av. Patricias Argentinas 550, AR-1405 Buenos Aires, Argentina
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Observers R. Mackintosh

0.25-m *f*/6.8 reflector + CCD

(72)	1997 02 01.19092	08 45 46.89	+09 06 39.4		834
(72)	1997 02 13.11072	08 33 51.43	+10 07 42.8		834
(72)	1997 02 19.10062	08 28 37.51	+10 39 23.8		834
(737)	1997 01 03.1453	07 36 50.99	+04 10 26.9		834
(737)	1997 01 09.08609	07 31 25.23	+04 23 54.8		834
(737)	1997 01 14.07763	07 26 48.81	+04 39 03.0		834
(737)	1997 01 21.02762	07 20 33.23	+05 05 18.2		834
(737)	1997 01 21.06689	07 20 31.12	+05 05 27.8		834
(737)	1997 01 23.04633	07 18 48.46	+05 13 53.9		834
(737)	1997 01 31.02667	07 12 23.85	+05 51 22.9		834
(737)	1997 02 01.03058	07 11 39.49	+05 56 25.2		834
(737)	1997 02 04.0476	07 09 32.48	+06 11 56.8		834
(737)	1997 02 13.07225	07 04 16.68	+07 00 33.2		834
(737)	1997 02 19.08872	07 01 45.77	+07 33 45.3		834

861 Barao Geraldo

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0.20-m *f*/6.3 Schmidt-Cassegrain + CCD

GSC

1997 CZ ₅	1997 02 27.04426	05 16 45.82	+11 52 58.1	16.2 R	861
1997 CZ ₅	1997 02 27.05287	05 16 47.18	+11 52 46.1	16.0 R	861
1997 CZ ₅	1997 03 02.02611	05 24 06.93	+10 57 05.8		861
1997 CZ ₅	1997 03 02.03704	05 24 08.54	+10 56 53.9		861

1997 CZ ₅	1997 03 02.05759	05 24 11.50	+10 56 31.3		861
1997 CZ ₅	1997 03 10.00806	05 43 40.81	+08 42 59.4	15.7 R	861
1997 CZ ₅	1997 03 10.01719	05 43 42.11	+08 42 49.7	16.2 R	861
1997 CZ ₅	1997 03 10.02646	05 43 43.42	+08 42 41.6	16.0 R	861
1997 CZ ₅	1997 03 10.03934	05 43 45.31	+08 42 29.8	16.1 R	861

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 XN ₃₂	1997 02 09.62363	06 55 39.61	+31 12 48.4	19.2 V	867
1996 XN ₃₂	1997 02 09.66183	06 55 38.54	+31 12 48.7		867
1996 XN ₃₂	1997 02 09.70130	06 55 37.52	+31 12 49.2		867
1996 XO ₃₂	1997 02 09.61854	06 49 54.53	+15 43 13.1	18.9 V	867
1996 XO ₃₂	1997 02 09.65708	06 49 53.31	+15 42 49.1		867
1996 XO ₃₂	1997 02 09.69667	06 49 52.10	+15 42 26.6		867

886 Susono

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

0.25-m *f*/6.3 reflector + CCD

GSC

1977 EL	1997 03 04.58937	11 46 39.50	+09 05 05.4	16.5 V	886
1977 EL	1997 03 04.59891	11 46 38.98	+09 05 11.1		886
1977 EL	1997 03 05.56013	11 45 50.14	+09 14 40.0		886
1977 EL	1997 03 05.56838	11 45 49.64	+09 14 45.0		886
1983 CA ₁	1997 03 01.62081	10 15 33.46	+11 18 02.9	16.5 V	886
1983 CA ₁	1997 03 01.63522	10 15 32.68	+11 18 03.4		886
1983 CA ₁	1997 03 04.54389	10 12 52.56	+11 20 36.1		886
1983 CA ₁	1997 03 04.55902	10 12 51.71	+11 20 36.5		886
1990 UT ₅	1997 03 04.61331	12 03 13.63	+06 42 50.8	17.0 V	886
1990 UT ₅	1997 03 04.62251	12 03 13.26	+06 42 53.4		886
1990 UT ₅	1997 03 05.55596	12 02 32.57	+06 48 52.5		886
1990 UT ₅	1997 03 05.56419	12 02 32.16	+06 48 56.4		886
1991 AJ	1997 02 14.59809	10 34 46.41	+19 49 14.0	16.0 V	886
1991 AJ	1997 02 14.60579	10 34 46.04	+19 49 17.6		886
1991 AJ	1997 03 01.56033	10 23 38.06	+21 36 20.1	16.5 V	886
1991 AJ	1997 03 01.57358	10 23 37.43	+21 36 24.7		886
1993 VM ₁	1997 03 05.58906	11 29 46.78	+01 18 36.7	16.0 V	886
1993 VM ₁	1997 03 05.60150	11 29 46.05	+01 18 56.2		886
1993 VM ₁	1997 03 07.57555	11 28 01.38	+02 10 19.7		886
1993 VM ₁	1997 03 07.58371	11 28 00.96	+02 10 32.7		886
1994 JF	1997 02 14.58283	10 09 07.28	+08 45 06.8	16.5 V	886
1994 JF	1997 02 14.59045	10 09 06.78	+08 45 11.6		886
1994 JF	1997 03 01.53347	09 55 26.23	+10 44 31.6	17.0 V	886
1994 JF	1997 03 01.54096	09 55 25.79	+10 44 36.7		886
1995 UC ₆	1997 02 11.54026	09 48 20.84	+12 28 23.8	16.5 V	886
1995 UC ₆	1997 02 11.54800	09 48 20.25	+12 28 26.1		886
1995 UC ₆	1997 02 14.56382	09 44 52.49	+12 38 09.4		886
1995 UC ₆	1997 02 14.57533	09 44 51.65	+12 38 12.0		886
(7481)	1997 02 14.61792	10 23 58.92	+02 13 53.2	16.5 V	886
(7481)	1997 02 14.62762	10 23 58.50	+02 13 57.9		886

(7481) 1997 03 01.58963 10 13 00.83 +04 21 32.9 17.0 V 886
 (7481) 1997 03 01.59734 10 13 00.50 +04 21 37.7 886

894 Otomo

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

Japan

0.25-m $f/3.4$ reflector

PPM

1996 SO ₇	1996 10 15.58194	23 42 12.13	+00 54 24.4	17.0	894
1996 SO ₇	1996 10 16.56701	23 41 51.21	+00 51 21.4		894
1996 SO ₇	1996 10 16.57991	23 41 50.77	+00 51 20.2		894
1996 SK ₈	* 1996 09 17.65666	00 14 28.85	+00 24 35.3	17.0	894
1996 SK ₈	1996 09 17.66979	00 14 28.10	+00 24 32.3		894
1996 SK ₈	1996 10 04.65799	23 59 34.89	-00 40 31.3		894
1996 SK ₈	1996 10 04.67083	23 59 34.40	-00 40 33.6		894
1996 SK ₈	1996 10 15.60903	23 51 32.76	-01 11 05.2	17.0	894
1996 SK ₈	1996 10 15.63021	23 51 31.99	-01 11 08.5		894
1996 SK ₈	1996 10 16.59349	23 50 57.90	-01 12 53.9		894
1996 SK ₈	1996 10 16.60601	23 50 57.50	-01 12 58.8		894

897 YGCO Chiyoda Station

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0.25-m $f/6.0$ reflector + CCD

GSC

1997 CU ₂₆	1997 03 04.48809	08 27 10.59	+15 40 27.5	897
1997 CU ₂₆	1997 03 04.52920	08 27 10.20	+15 40 26.7	897
1997 CU ₂₆	1997 03 04.53469	08 27 10.07	+15 40 27.6	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

(238)	1997 02 27.77873	16 35 59.02	-12 23 46.7	15.1 V	900
(238)	1997 02 27.79041	16 35 59.53	-12 23 44.8		900

908 Tsukioka Toyama

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

0.43-m reflector $f/6$ + CCD

GSC

1997 BT ₃	1997 03 09.70637	10 46 33.97	+11 50 44.0	17.6 V	908
1997 BT ₃	1997 03 09.71933	10 46 33.27	+11 50 47.6		908
1997 BT ₃	1997 03 09.74803	10 46 31.95	+11 50 57.0		908
1997 BT ₃	1997 03 11.56742	10 45 06.53	+12 00 09.9	17.6 V	908
1997 BT ₃	1997 03 11.58113	10 45 05.85	+12 00 14.4		908
1997 BT ₃	1997 03 11.59363	10 45 05.25	+12 00 18.0		908
1997 BT ₃	1997 03 12.50012	10 44 23.35	+12 04 46.9	17.8 V	908
1997 BT ₃	1997 03 12.53322	10 44 21.78	+12 04 55.8		908
1997 BT ₃	1997 03 12.56840	10 44 20.22	+12 05 07.5		908

910 Caussols-ODAS

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

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

Measurers M. Lundström, G. Hahn

0.9-m Schmidt + CCD

GSC

1989 FG	1997 02 16.09920	11 00 48.42	+13 27 53.3	16.1 V	910
1989 FG	1997 02 16.10418	11 00 48.14	+13 27 56.1	16.3 V	910
1989 FG	1997 02 16.10840	11 00 47.92	+13 27 57.6	16.3 V	910
1992 PY	1997 01 11.94159	06 40 55.79	+42 55 56.6	16.1 V	910
1992 PY	1997 01 11.95280	06 40 54.74	+42 55 44.1	16.3 V	910
1992 PY	1997 01 11.96412	06 40 53.70	+42 55 31.5	16.3 V	910
1992 PY	1997 01 14.81054	06 36 53.19	+42 02 14.5	16.4 V	910
1992 PY	1997 01 14.81830	06 36 52.55	+42 02 05.8	16.3 V	910
1992 PY	1997 01 14.82660	06 36 51.86	+42 01 56.5	16.2 V	910
1994 NR ₁	1997 02 18.09823	11 00 30.11	+14 06 45.9	16.4 V	910
1994 NR ₁	1997 02 18.10236	11 00 29.93	+14 06 48.0	14.2 V	910
1994 NR ₁	1997 02 18.10598	11 00 29.77	+14 06 49.9	16.4 V	910
1996 FG ₃	1997 03 03.96223	09 31 42.56	+10 37 35.7	17.7 V	910
1996 FG ₃	1997 03 03.96998	09 31 41.24	+10 37 41.2	17.7 V	910
1996 FG ₃	1997 03 03.97486	09 31 40.44	+10 37 44.5	17.8 V	910
1997 AS ₁₃	1997 01 14.83282	06 19 57.07	+29 15 22.2	18.8 V	910
1997 AS ₁₃	1997 01 14.84091	06 19 56.55	+29 15 20.8	18.6 V	910
1997 AS ₁₃	1997 01 14.84845	06 19 56.06	+29 15 19.4	18.4 V	910
1997 AC ₁₆	1997 01 14.97249	08 00 24.58	+19 57 06.9	18.4 V	910
1997 AC ₁₆	1997 01 14.98124	08 00 23.98	+19 57 10.5	18.2 V	910
1997 AC ₁₆	1997 01 14.99101	08 00 23.34	+19 57 14.6	18.4 V	910
1997 AF ₁₆	1997 01 15.00900	09 29 38.39	+17 56 13.5	19.0 V	910
1997 AF ₁₆	1997 01 15.03669	09 29 36.93	+17 56 16.6	18.9 V	910
1997 AF ₁₆	1997 01 15.05436	09 29 35.97	+17 56 18.2	18.9 V	910
1997 AW ₁₇	1997 01 13.20597	09 33 46.55	+17 26 29.6	19.2 V	910
1997 AW ₁₇	1997 01 13.22642	09 33 45.79	+17 26 34.8	19.1 V	910
1997 AW ₁₇	1997 01 13.23317	09 33 45.53	+17 26 36.8	19.1 V	910
1997 AH ₁₈	1997 01 14.85905	07 32 44.77	+22 38 57.6	17.3 V	910
1997 AH ₁₈	1997 01 14.87712	07 32 43.50	+22 39 03.6	17.2 V	910
1997 AH ₂₂	1997 01 14.85905	07 31 32.92	+22 39 10.2	18.0 V	910
1997 AH ₂₂	1997 01 14.86662	07 31 32.46	+22 39 09.2	18.0 V	910
1997 AH ₂₂	1997 01 14.87712	07 31 31.82	+22 39 08.3	18.2 V	910
1997 AK ₂₂	1997 01 14.97249	08 01 36.88	+19 34 43.1	17.7 V	910
1997 AK ₂₂	1997 01 14.98124	08 01 36.37	+19 34 47.1	18.4 V	910
1997 AK ₂₂	1997 01 14.99101	08 01 35.81	+19 34 51.0	18.1 V	910
1997 DF	1997 03 03.98450	08 43 29.87	+21 37 56.8	19.4 V	910
1997 DF	1997 03 03.99015	08 43 29.81	+21 38 04.7	19.6 V	910
1997 DF	1997 03 03.99801	08 43 29.71	+21 38 15.8	19.3 V	910
1997 DQ	1997 02 18.09823	11 00 59.54	+13 50 50.0	18.0 V	910
1997 DQ	1997 02 18.10236	11 00 59.28	+13 50 50.7	15.8 V	910
1997 DQ	1997 02 18.10598	11 00 59.03	+13 50 51.0	18.0 V	910
1285 T-1	1997 01 14.97249	07 59 59.59	+19 42 41.5	17.4 V	910
1285 T-1	1997 01 14.98124	07 59 59.01	+19 42 42.8	17.6 V	910
1285 T-1	1997 01 14.99101	07 59 58.37	+19 42 44.1	17.7 V	910
(427)	1997 01 14.85905	07 32 38.22	+22 26 55.2	14.3 V	910
(427)	1997 01 14.86662	07 32 37.80	+22 26 55.7	14.4 V	910

(427)	1997 01 14.87712	07 32 37.21	+22 26 56.3	14.6 V	910
(1091)	1997 01 14.85905	07 32 44.85	+22 36 33.4	14.9 V	910
(1091)	1997 01 14.86662	07 32 44.47	+22 36 34.4	14.9 V	910
(1091)	1997 01 14.87712	07 32 43.94	+22 36 35.7	14.9 V	910
(3186)	1997 01 14.97249	08 00 03.50	+19 38 09.4	16.9 V	910
(3186)	1997 01 14.98124	08 00 03.02	+19 38 10.7	16.9 V	910
(3186)	1997 01 14.99101	08 00 02.49	+19 38 12.2	16.9 V	910
(3380)	1997 01 15.00900	09 30 20.05	+17 53 44.1	16.1 V	910
(3380)	1997 01 15.03669	09 30 18.88	+17 53 52.1	15.9 V	910
(3380)	1997 01 15.04619	09 30 18.54	+17 53 54.5	15.9 V	910
(3380)	1997 01 15.05436	09 30 18.19	+17 53 56.8	16.2 V	910
(5518)	1997 03 03.98450	08 42 33.85	+21 43 35.4	16.5 V	910
(5518)	1997 03 03.99015	08 42 33.62	+21 43 36.9	16.5 V	910
(5518)	1997 03 03.99801	08 42 33.29	+21 43 39.0	16.5 V	910
(6556)	1997 02 18.09823	11 00 27.25	+13 42 19.6	16.4 V	910
(6556)	1997 02 18.10236	11 00 27.01	+13 42 21.6	14.2 V	910
(6556)	1997 02 18.10598	11 00 26.79	+13 42 23.4	16.4 V	910
(7188)	1997 02 16.09920	10 59 46.30	+13 42 39.8	17.0 V	910
(7188)	1997 02 16.10418	10 59 45.98	+13 42 41.7	16.9 V	910
(7188)	1997 02 16.10840	10 59 45.73	+13 42 43.6	16.8 V	910
(7474)	1997 01 11.87215	06 23 49.10	+29 03 35.0	18.3 V	910
(7474)	1997 01 11.87859	06 23 48.53	+29 03 38.3	18.1 V	910
(7474)	1997 01 11.88499	06 23 48.03	+29 03 41.0	18.0 V	910
(7474)	1997 01 14.83282	06 20 10.36	+29 24 05.4	18.2 V	910
(7474)	1997 01 14.84091	06 20 09.76	+29 24 08.9	17.6 V	910
(7474)	1997 01 14.84845	06 20 09.23	+29 24 11.8	18.2 V	910
(7506)	1997 01 14.85905	07 32 57.97	+22 16 27.1	17.7 V	910
(7506)	1997 01 14.86662	07 32 57.56	+22 16 28.1	17.9 V	910
(7506)	1997 01 14.87712	07 32 56.99	+22 16 29.3	17.6 V	910

959 Ramonville Saint Agne

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

Observer C. Buil

0.21-m $f/3.6$ reflector + CCD

GSC

1997 DQ	1997 03 07.93859	10 41 19.97	+14 13 35.0	17.5	959
1997 DQ	1997 03 08.99047	10 40 13.07	+14 13 44.0	17.5	959
1997 DQ	1997 03 09.95300	10 39 12.87	+14 13 47.6	17.6	959
1997 DQ	1997 03 10.98936	10 38 08.94	+14 13 34.4	17.9	959
1997 DQ	1997 03 12.98010	10 36 09.51	+14 12 50.4	18.1	959
1997 EG ₁₈	1997 03 12.99018	11 18 40.61	+13 12 42.4	17.5	959
1997 EP ₃₀	* 1997 03 10.90558	10 26 10.85	+27 52 39.4	16.9	959
1997 EP ₃₀	1997 03 10.92627	10 26 09.89	+27 52 41.3	17.0	959
1997 EP ₃₀	1997 03 11.94977	10 25 23.26	+27 55 28.4	16.9	959
1997 EP ₃₀	1997 03 11.96465	10 25 22.55	+27 55 30.7	17.4	959
1997 EP ₃₀	1997 03 12.90763	10 24 40.53	+27 57 52.4	17.3	959
1997 EQ ₃₀	* 1997 03 10.93856	10 30 05.97	+26 04 11.7	17.2	959
1997 EQ ₃₀	1997 03 11.98082	10 29 16.18	+26 09 30.0	17.0	959
1997 EQ ₃₀	1997 03 12.95146	10 28 31.06	+26 14 07.3	17.1	959
(6820)	1997 03 08.07566	12 26 54.63	-01 48 29.5	17.1	959
(6820)	1997 03 10.07255	12 25 33.99	-01 38 02.3	17.6	959

960 Rolvenden

M. Armstrong, Butterfly Cottage, Hastings Road, Rolvenden, Kent TN17 4PN, England [fw04@dia1.pipex.com]

Observers C. Armstrong, M. Armstrong

Measurer N. James

0.26-m Schmidt Cassegrain + CCD

GSC

1997 DV	* 1997 02 26.8872	09 53 05.8	+16 40 51	960
1997 DV	1997 02 26.8924	09 53 05.7	+16 40 51	960
1997 DV	1997 02 26.8983	09 53 05.0	+16 40 50	960

962 Gandia

J. J. Gomez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain

[astrosaf0r@jet.es]

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

GSC

1997 CZ ₅	1997 02 28.84889	05 21 13.22	+11 18 35.3	962
1997 CZ ₅	1997 02 28.85814	05 21 14.60	+11 18 24.4	962
1997 CZ ₅	1997 02 28.85964	05 21 14.79	+11 18 23.1	962
1997 CZ ₅	1997 02 28.86046	05 21 14.94	+11 18 22.0	962
1997 CZ ₅	1997 02 28.86515	05 21 15.62	+11 18 17.2	962
1997 CZ ₅	1997 02 28.87051	05 21 16.40	+11 18 10.3	962
1997 CZ ₅	1997 02 28.87165	05 21 16.54	+11 18 09.8	962
1997 CZ ₅	1997 02 28.87510	05 21 17.00	+11 18 05.5	962
1997 CZ ₅	1997 02 28.90920	05 21 21.99	+11 17 26.6	962
1997 CZ ₅	1997 02 28.91095	05 21 22.24	+11 17 24.4	962
(2204)	1997 02 28.91900	06 51 17.81	+05 04 54.9	962
(2204)	1997 02 28.92071	06 51 17.95	+05 04 57.5	962
(2204)	1997 02 28.94674	06 51 19.88	+05 05 34.4	962
(3067)	1997 02 28.97799	10 51 31.79	+08 52 20.0	962
(3067)	1997 03 01.03016	10 51 28.23	+08 52 31.0	962
(3401)	1997 02 28.92959	08 31 51.37	+18 11 39.7	962
(3401)	1997 02 28.95200	08 31 50.44	+18 11 18.8	962
(3401)	1997 02 28.95656	08 31 50.24	+18 11 15.0	962
(4954)	1997 03 01.04574	12 36 27.17	-02 41 55.7	962
(4954)	1997 03 01.05527	12 36 26.30	-02 41 55.7	962
(5444)	1997 02 28.98928	10 48 29.26	+08 02 44.8	962
(5444)	1997 02 28.99417	10 48 28.97	+08 02 46.7	962
(5444)	1997 03 01.01481	10 48 27.77	+08 02 54.3	962
(5448)	1997 02 28.93580	08 39 04.21	+18 02 43.0	962
(5448)	1997 02 28.94019	08 39 04.00	+18 02 42.4	962
(5448)	1997 02 28.96198	08 39 03.21	+18 02 40.2	962
(5448)	1997 02 28.96713	08 39 03.02	+18 02 39.5	962

964 Southend Bradfield

G. C. R. Sallit, Jacinth, Stanford Road, Southend Bradfield, Reading, Berkshire

RG7 6HL, England [100573.2667@compuserve.com]

0.30-m Schmidt-Cassegrain + CCD

GSC

1996 TQ ₁	1996 11 13.87962	00 49 13.07	+03 25 56.5	17.2 V	964
1996 TQ ₁	1996 11 13.91823	00 49 12.91	+03 25 55.1	17.4 V	964
1996 TF ₁₅	1996 11 13.87345	00 43 45.57	+04 12 56.8	17.2 V	964
1996 TF ₁₅	1996 11 13.89185	00 43 45.25	+04 12 54.5	17.4 V	964

(2129)	1997 02 02.88447	07 21 33.94	+30 29 36.7		964
(2129)	1997 02 02.93426	07 21 31.26	+30 29 39.4		964
(2129)	1997 02 10.88757	07 15 45.77	+30 29 32.9	16.9 V	964
(2129)	1997 02 10.91418	07 15 44.77	+30 29 32.7	16.8 V	964
(4006)	1997 02 07.93564	07 43 24.47	+20 35 01.8	15.3 V	964
(4006)	1997 02 07.96906	07 43 23.00	+20 35 01.7		964
(4006)	1997 02 10.89421	07 41 24.51	+20 36 51.5	15.3 V	964
(4006)	1997 02 10.92225	07 41 23.41	+20 36 52.1	15.2 V	964
(4986)	1997 02 02.90366	07 52 03.49	+10 23 46.1		964
(4986)	1997 02 02.95824	07 52 00.89	+10 24 00.5		964
(4986)	1997 02 07.94194	07 48 33.27	+10 45 41.1		964
(4986)	1997 02 07.97887	07 48 31.85	+10 45 51.0		964
(4986)	1997 02 10.90125	07 46 49.01	+10 58 54.9	15.8 V	964
(4986)	1997 02 10.92778	07 46 48.09	+10 59 02.4	16.0 V	964
(6023)	1997 02 02.89671	07 44 38.09	+20 53 45.9	15.6 V	964
(6023)	1997 02 02.95133	07 44 35.27	+20 54 06.0	15.9 V	964
(6023)	1997 02 07.94788	07 40 46.89	+21 24 29.9		964
(6023)	1997 02 07.98830	07 40 45.34	+21 24 44.3		964
(6023)	1997 02 10.90707	07 38 52.52	+21 41 00.1	15.8 V	964
(6023)	1997 02 10.93438	07 38 51.46	+21 41 09.4	15.7 V	964

965 Observação Astronomica no Algarve

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0.5-m reflector + CCD

SA 1.0

(2091)	1997 03 14.90167	05 47 06.91	+21 47 46.0		965
(2091)	1997 03 14.91272	05 47 07.42	+21 47 47.4		965
(2091)	1997 03 14.92894	05 47 08.22	+21 47 50.7		965
(3567)	1997 03 14.95696	11 29 58.32	-07 38 48.9		965
(3567)	1997 03 14.96544	11 29 57.82	-07 38 46.1		965
(3567)	1997 03 14.97727	11 29 57.21	-07 38 42.9		965

966 Church Stretton

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0.25-m Schmidt Cassegrain + focal reducer + CCD
GSC

1997 DR	* 1997 02 28.94006	09 51 49.07	+16 52 08.2	18.3 V	966
1997 DR	1997 02 28.96045	09 51 48.02	+16 52 11.7		966
1997 DR	1997 03 01.00791	09 51 45.54	+16 52 20.6		966
1997 DR	1997 03 05.96277	09 47 50.83	+17 07 32.8	18.3 V	966
1997 DR	1997 03 05.99058	09 47 49.63	+17 07 37.7		966
1997 DV	1997 02 28.94006	09 51 16.86	+16 44 17.0	17.8 V	966
1997 DV	1997 02 28.96045	09 51 15.77	+16 44 20.2		966
1997 DV	1997 03 01.00791	09 51 13.23	+16 44 25.3		966
1997 DV	1997 03 05.95698	09 47 04.44	+16 50 57.5	18.1 V	966
1997 DV	1997 03 05.98552	09 47 03.00	+16 51 00.5		966
(5963)	1997 02 26.89362	07 49 56.94	+22 57 22.9	16.9 V	966
(5963)	1997 02 26.97642	07 49 55.25	+22 57 19.3		966
(5963)	1997 02 28.87720	07 49 20.66	+22 57 08.7	16.9 V	966
(5963)	1997 02 28.90934	07 49 20.11	+22 57 09.5		966
(5963)	1997 03 06.87896	07 48 10.40	+22 54 47.0	16.7 V	966
(5963)	1997 03 06.96186	07 48 09.70	+22 54 43.9		966

999 Floirac

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Measurer J. F. Le Campion

Automatic meridian circle + CCD

PPM

(208)	1995 02 27.150904	14 01 25.067	-12 51 11.37		999
(208)	1995 02 28.148144	14 01 22.462	-12 51 37.32		999
(208)	1995 03 01.145367	14 01 18.422	-12 51 55.43		999
(208)	1995 03 07.128357	14 00 23.856	-12 51 08.45		999
(208)	1995 03 10.119629	13 59 37.325	-12 49 04.34		999
(208)	1995 03 11.116687	13 59 19.014	-12 48 08.28		999
(208)	1995 03 14.107768	13 58 15.849	-12 44 35.18		999
(208)	1995 03 21.086426	13 55 02.583	-12 32 06.46		999
(208)	1995 03 22.083320	13 54 30.011	-12 29 51.82		999
(208)	1995 03 23.080200	13 53 56.277	-12 27 30.00		999
(208)	1995 04 04.041857	13 45 52.801	-11 51 18.16		999
(208)	1995 04 09.025515	13 41 59.626	-11 32 43.21		999
(208)	1995 04 10.022231	13 41 11.637	-11 28 49.77		999
(208)	1995 04 11.018943	13 40 23.357	-11 24 53.46		999
(208)	1995 04 12.015652	13 39 34.774	-11 20 54.49		999
(208)	1995 04 13.012359	13 38 45.988	-11 16 53.09		999
(208)	1995 04 14.009063	13 37 57.027	-11 12 49.40		999

ORBITAL ELEMENTS

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C/1996 R3

<i>T</i>	1996 May 30.29200 TT		Marsden	
<i>q</i>	1.7695890	(2000.0)	P	Q
	ω	99.60642	+0.43159655	+0.90174422
	Ω	196.02863	-0.85810920	+0.40217303
<i>e</i>	1.0	<i>i</i>	5.01142	-0.27816007
				+0.15847463

From 4 observations 1996 Sept. 12-14.

C/1997 A1 (NEAT)

<i>T</i>	1997 June 19.89405 TT		Nakano	
<i>q</i>	3.1557812	(2000.0)	P	Q
	ω	40.08022	-0.17999669	+0.89886989
	Ω	135.76374	+0.69000079	-0.17411072
<i>e</i>	1.0	<i>i</i>	145.05966	+0.70107069
				+0.40214224

From 157 observations 1997 Jan. 9-Mar. 10.

1997 MAR. 24

M.P.C. 29285

P/1997 B1 (Kobayashi)

<i>T</i>	1997 Mar. 2.32992 TT		Marsden	
<i>q</i>	2.0549982	(2000.0)	P	Q
<i>n</i>	0.03908364	ω 183.33174	−0.88546910	−0.45149175
<i>a</i>	8.5994897	Ω 329.06300	+0.43114602	−0.70987612
<i>e</i>	0.7610325	<i>i</i> 12.35483	+0.17337125	−0.54058402
<i>P</i>	25.22			

From 162 observations 1997 Jan. 30–Mar. 10.

C/1997 BA₆ (Spacewatch)

Epoch 1999 Dec. 8.0 TT = JDT 2451520.5

<i>T</i>	1999 Nov. 27.64002 TT		Marsden	
<i>q</i>	3.4398632	(2000.0)	P	Q
<i>z</i>	−0.0004366	ω 285.85020	+0.01209707	+0.76511236
	±0.0002778	Ω 317.67404	+0.00588961	−0.64387361
<i>e</i>	1.0015018	<i>i</i> 72.95862	−0.99990948	+0.00546395

From 84 observations 1997 Jan. 11–Mar. 11, mean residual 0^h.56.**P/1997 C1 (Gehrels)**

<i>T</i>	1996 Jan. 29.96840 TT		Nakano	
<i>q</i>	3.5664845	(2000.0)	P	Q
<i>n</i>	0.05671930	ω 211.49102	+0.21882796	−0.97510214
<i>a</i>	6.7088612	Ω 225.89635	+0.90531788	+0.21662485
<i>e</i>	0.4683920	<i>i</i> 2.86714	+0.36402453	+0.04742883
<i>P</i>	17.38			

From 119 observations 1997 Feb. 2–Mar. 11.

C/1997 D1 (Mueller)

<i>T</i>	1997 Oct. 11.71963 TT		Nakano	
<i>q</i>	2.2483843	(2000.0)	P	Q
		ω 184.94793	−0.09157299	+0.78767035
		Ω 279.15864	+0.93349349	+0.28091910
<i>e</i>	1.0	<i>i</i> 141.89381	+0.34670489	−0.54832460

From 101 observations 1997 Feb. 20–Mar. 11.

46P/Wirtanen

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

<i>T</i>	1997 Mar. 14.15005 TT		Marsden	
<i>q</i>	1.0637691	(2000.0)	P	Q
<i>n</i>	0.18063872	ω 356.34188	+0.19724584	−0.95946598
<i>a</i>	3.0992895	Ω 82.20511	+0.90453497	+0.09893703
<i>e</i>	0.6567700	<i>i</i> 11.72245	+0.37803514	+0.26388729
<i>P</i>	5.46			

From 80 observations 1991–1997, mean residual 0^h.88.**55P/Tempel-Tuttle**

Epoch 1998 Mar. 8.0 TT = JDT 2450880.5

<i>T</i>	1998 Feb. 28.06264 TT		Nakano	
<i>q</i>	0.9766280	(2000.0)	P	Q
<i>n</i>	0.02967271	ω 172.48819	+0.46261359	+0.85137216
<i>a</i>	10.3331142	Ω 235.25369	+0.79695113	−0.27714709
<i>e</i>	0.9054856	<i>i</i> 162.48475	+0.38840387	−0.44537056
<i>P</i>	33.22			

From 67 observations 1366–1997, mean residual 4^h.3. Nongravitational parameters

$$A_1 = +0.51 \pm 0.08, A_2 = +0.0088 \pm 0.0009.$$

65P/Gunn

Epoch 1996 July 16.0 TT = JDT 2450280.5

<i>T</i>	1996 July 24.39724 TT		Marsden	
<i>q</i>	2.4619393	(2000.0)	P	Q
<i>n</i>	0.14423774	ω 196.81906	−0.08570160	+0.98211197
<i>a</i>	3.6009475	Ω 68.51794	−0.89211586	−0.00071681
<i>e</i>	0.3163079	<i>i</i> 10.38031	−0.44360403	−0.18829650
<i>P</i>	6.83			

From 328 observations 1980–1996, mean residual 0^h.89. Nongravitational parameters $A_1 = +1.10 \pm 0.07$, $A_2 = +0.2580 \pm 0.0045$.

One-opposition minor planets

Planet	<i>H</i>	Epoch	<i>M</i>	ω	Ω	<i>i</i>	<i>e</i>	<i>a</i>	Arc	O	N	C
1996 SO ₇	14.2	961004	6.17	68.32	286.76	1.29	0.2223	2.3834	34	8		N
1996 TF ₁₅	13.5	961024	344.18	3.69	38.90	1.32	0.1650	3.2265	39	15		W
1996 WE ₃	14.5	961223	188.82	11.47	238.89	5.37	0.0906	2.2854	71	18		W
1996 XH ₂₀	17.5	961223	24.31	105.90	280.49	0.71	0.2916	2.7039	37	12		W
1996 XJ ₂₆	13.5	961223	106.22	221.48	96.60	3.08	0.1217	2.9610	59	13		W
1996 XN ₃₂	16.0	970112	16.01	17.06	73.84	7.32	0.0791	2.3896	56	10		N
1996 XO ₃₂	16.7	970112	19.97	156.99	289.63	17.07	0.0906	1.9766	56	11		N
1996 YP	14.5	970112	4.95	169.23	296.31	6.24	0.0550	2.3034	53	16		W
1996 YB ₃	12.7	970201	326.86	216.53	285.36	14.73	0.0393	3.1500	59	12		N
1996 YD ₃	12.9	970201	209.98	273.70	351.53	9.46	0.0765	3.0300	61	20		N
1997 AA	13.0	970201	73.59	297.18	93.07	3.33	0.0498	2.8697	72	28		M
1997 AW	14.5	970112	313.26	202.63	2.80	1.75	0.3618	2.3840	51	16		W
1997 AC ₁	14.1	970201	183.08	260.35	41.32	2.52	0.0815	2.4751	58	21		N
1997 AH ₁	14.8	970201	258.66	141.31	100.37	8.20	0.1443	2.5130	61	16		N
1997 AN ₁	14.0	970112	317.02	233.47	299.92	12.19	0.1072	2.6656	46	16		M
1997 AQ ₂	13.5	970201	58.35	93.50	317.87	9.14	0.1360	2.6690	63	16		N
1997 AW ₂	12.5	970112	336.37	120.36	32.76	4.64	0.1721	3.0206	33	13		W
1997 AC ₃	12.0	970112	293.91	227.66	327.67	11.73	0.0837	2.7931	33	13		W
1997 AU ₃	12.6	970201	63.40	23.68	336.74	10.29	0.1451	2.9333	60	14		N
1997 AV ₄	12.5	970112	276.25	83.35	132.88	7.55	0.0587	2.7916	32	23		W
1997 AF ₅	14.4	970201	144.56	234.09	97.14	7.57	0.1603	2.2808	60	12		N
1997 AV ₅	14.0	961223	295.08	248.59	304.64	3.48	0.0939	2.3106	59	23		W
1997 AX ₅	15.5	970201	51.87	121.41	299.94	5.28	0.1775	2.2458	66	18		W
1997 AQ ₆	14.2	970201	355.50	7.83	68.30	24.38	0.0298	1.8251	57	22		N
1997 AR ₆	14.4	970201	351.12	197.33	271.12	7.86	0.1189	2.1980	56	13		N
1997 AV ₆	15.3	970201	9.09	359.53	125.00	5.54	0.0758	2.3430	57	19		N
1997 AG ₇	16.0	970201	28.41	249.35	198.34	2.86	0.2269	2.4142	54	11		W
1997 AV ₇	16.5	970201	30.66	180.81	275.88	3.25	0.0642	2.7544	66	12		W
1997 AY ₇	14.5	970201	157.46	31.53	299.12	6.38	0.1279	2.3390	67	12		W
1997 AC ₈	14.5	970201	76.39	112.50	293.85	8.18	0.0797	2.9678	70	12		W
1997 AF ₈	16.0	970201	336.17	257.73	273.56	2.85	0.2386	3.0559	67	12		W
1997 AG ₈	14.5	970201	251.52	332.25	279.96	3.66	0.1163	2.2694	66	15		W
1997 AB ₁₀	17.5	961223	20.14	320.18	137.64	5.72	0.1233	2.7352	14	8		W
1997 AT ₁₀	15.0	970112	60.19	111.11	296.70	19.56	0.0966	3.2201	18	9		W
1997 AM ₁₁	16.5	970112	62.83	150.06	251.06	1.28	0.2029	2.3389	40	15		W
1997 AQ ₁₁	15.5	970201	16.33	196.15	278.80	4.12	0.0376	2.7826	68	12		W
1997 AK ₁₂	17.0	961223	237.95	117.02	122.60	0.34	0.0749	2.1557	2	8	E	W
1997 AL ₁₂	16.5	961223	261.40	107.72	116.76	4.76	0.1190	2.6517	2	7	E	W
1997 AC ₁₃	14.7	970201	28.36	147.87	293.99	3.04	0.1228	2.2876	54	11		N
1997 AS ₁₃	16.0	970112	83.57	33.89	325.90	5.00	0.1654	2.2066	4	9		W
1997 AW ₁₃	13.5	970201	268.56	259.58	334.46	12.35	0.1191	2.7336	49	18		W
1997 AC ₁₄	15.5	961223	26.14	319.45	117.38	12.60	0.1564	2.8782	9	9		W
1997 AF ₁₄	14.0	970112	40.42	338.53	94.00	10.94	0.1798	2.5818	44	12		W
1997 AT ₁₄	16.0	970112	213.14	140.09	124.22	1.52	0.0962	2.2110	30	9		W

1997 AB ₁₅	18.0	970201	324.21	74.32	112.82	38.45	0.3209	2.1266	43	51	W	1997 CU ₁	15.0	970201	342.80	271.54	226.50	1.47	0.1613	2.5629	8	19	M
1997 AC ₁₆	17.0	970112	40.14	305.80	119.70	5.89	0.1202	2.2965	25	31	W	1997 CV ₁	14.5	970201	177.75	188.50	110.44	2.57	0.1412	2.1443	8	14	E W
1997 AF ₁₆	16.5	970112	267.75	258.89	325.09	6.37	0.0319	2.3111	2	12	E W	1997 CW ₁	15.5	970201	352.03	32.06	114.22	7.97	0.0851	2.4232	31	22	M
1997 AR ₁₆	12.4	970221	343.95	191.92	359.27	18.31	0.1566	2.9850	60	51	N	1997 CG ₃	15.0	970201	286.00	43.38	183.85	3.52	0.1582	3.0779	2	10	E W
1997 AA ₁₇	16.5	970112	120.25	158.38	188.27	0.61	0.1036	2.1670	6	9	E W	1997 CJ ₃	14.5	970201	159.66	204.74	133.53	13.02	0.1226	2.6194	5	20	E W
1997 AN ₁₇	13.0	970201	66.32	87.95	285.77	22.25	0.2879	2.3388	49	34	M	1997 CV ₃	18.0	970201	265.91	121.30	114.98	3.16	0.1304	2.4151	3	12	E W
1997 AW ₁₇	15.6	970201	316.38	110.93	78.31	2.14	0.1272	2.3954	53	25	N	1997 CD ₄	15.0	970221	155.81	145.14	208.69	2.32	0.1340	2.3240	36	15	W
1997 AE ₁₈	14.5	970201	240.43	311.30	306.68	6.22	0.1333	2.2185	57	26	W	1997 CM ₄	15.5	970201	85.57	39.75	359.30	4.90	0.1044	2.2463	30	20	M
1997 AH ₁₈	15.0	970112	65.80	270.97	107.28	5.36	0.2441	2.3765	3	19	E W	1997 CN ₄	14.5	970201	74.37	93.82	333.26	1.28	0.0367	2.8311	30	14	M
1997 AT ₁₈	12.7	970221	41.19	80.28	352.54	9.27	0.0281	3.1141	62	21	N	1997 CP ₄	16.5	970201	30.97	140.71	324.70	7.63	0.1061	2.2863	15	12	W
1997 AU ₁₈	14.9	970201	311.44	81.56	98.11	7.65	0.0614	2.4172	54	14	N	1997 CK ₅	13.8	970201	260.98	279.47	317.28	8.76	0.0072	3.0044	28	10	N
1997 AW ₁₈	14.2	970201	328.05	198.26	325.08	5.70	0.0892	2.2840	54	14	N	1997 CL ₅	15.1	970221	325.17	71.49	131.72	2.65	0.2854	2.6980	28	12	N
1997 AL ₁₉	14.4	970112	311.81	38.45	131.70	6.13	0.0773	2.2987	26	7	N	1997 CP ₅	17.5	970201	49.41	289.94	143.42	4.06	0.2019	2.3401	6	8	W
1997 AM ₁₉	13.5	970112	176.06	152.42	146.23	3.18	0.0303	2.3063	32	11	W	1997 CR ₅	14.5	970201	81.04	270.54	148.78	2.80	0.0489	2.9151	12	13	W
1997 AU ₁₉	15.5	970201	51.49	135.73	287.87	3.76	0.1738	3.1414	66	15	W	1997 CS ₅	16.5	970201	48.78	276.89	150.03	4.10	0.2761	2.8278	4	9	E W
1997 AB ₂₁	17.5	970112	48.85	247.92	167.02	1.86	0.2361	2.8951	7	7	E W	1997 CT ₅	14.5	970221	30.96	131.82	325.20	6.96	0.0561	2.2729	30	22	M
1997 AM ₂₁	13.7	970221	27.84	345.44	114.31	10.18	0.1100	2.7684	53	15	N	1997 CU ₅	15.5	970221	341.21	23.93	137.12	5.37	0.0953	2.3513	31	10	M
1997 AZ ₂₁	13.2	970201	247.94	242.55	19.08	1.04	0.1297	3.1162	54	19	N	1997 CW ₅	14.0	970221	50.17	99.20	342.47	10.72	0.0957	2.9845	30	22	M
1997 AA ₂₂	13.3	970201	50.33	71.49	340.21	10.09	0.1080	3.0092	51	12	N	1997 CX ₆	16.0	970201	4.09	2.45	126.18	8.01	0.3258	3.0374	64	19	W
1997 AE ₂₂	17.0	961223	16.81	317.07	121.09	0.65	0.2277	2.2398	13	7	W	1997 CF ₆	13.5	970201	57.32	82.08	338.74	12.53	0.2229	2.6453	13	12	W
1997 AG ₂₂	16.0	970201	141.97	98.19	239.32	1.28	0.0563	2.1640	49	24	M	1997 CG ₆	12.5	970201	331.06	153.55	55.19	8.12	0.1138	2.1800	18	12	W
1997 AK ₂₂	15.0	970112	266.96	109.39	119.69	13.58	0.1754	2.7419	21	13	W	1997 CX ₆	17.0	970201	30.78	137.99	317.59	4.85	0.1149	2.1920	9	9	W
1997 BD	14.5	970201	344.42	106.25	41.87	2.44	0.0256	3.0505	54	24	M	1997 CT ₇	13.5	970221	184.02	193.02	125.40	10.14	0.0082	3.0557	34	18	W
1997 BE	15.0	970201	340.11	192.15	323.34	9.83	0.0358	2.9725	52	24	M	1997 CD ₇	15.5	970221	352.86	157.61	355.56	2.63	0.1134	2.3930	34	18	W
1997 BG	15.5	970201	174.18	190.09	132.08	32.41	0.1615	1.9934	54	37	M	1997 CQ ₇	14.5	970201	226.93	142.59	144.31	17.39	0.2804	2.6318	6	12	W
1997 BZ	13.5	961223	238.05	307.16	299.40	10.47	0.1607	2.6637	55	12	W	1997 CH ₉	14.5	970201	85.25	61.67	339.85	5.03	0.1883	2.8386	13	12	W
1997 BE ₂	16.0	970201	356.68	336.27	149.24	5.09	0.2401	2.6258	6	6	W	1997 CL ₁₂	15.0	970201	194.32	326.48	349.49	1.92	0.0680	2.8630	11	12	W
1997 BF ₂	15.5	961223	46.24	110.27	298.81	14.08	0.1608	2.6112	57	11	W	1997 CL ₁₃	14.5	970201	44.88	322.44	138.85	8.50	0.1482	2.5546	34	16	W
1997 BZ ₂	13.5	970201	287.16	95.73	148.32	4.66	0.2628	2.6805	8	10	E W	1997 CM ₁₃	16.5	970201	75.53	337.15	75.75	3.47	0.0716	2.1692	4	10	M
1997 BH ₃	14.0	970201	10.94	298.05	169.59	7.93	0.1905	2.7954	29	30	W	1997 CN ₁₃	14.0	970221	201.96	163.36	135.47	7.82	0.1271	2.3223	29	23	M
1997 BK ₃	16.0	970201	335.31	119.80	50.70	1.41	0.1496	2.3340	31	25	W	1997 CO ₁₃	15.0	970201	332.24	242.08	280.37	0.81	0.0503	2.9245	3	9	E W
1997 BT ₃	13.3	970313	33.83	17.06	110.79	3.12	0.0216	2.8509	40	13	N	1997 CE ₁₄	15.5	970201	303.89	259.57	330.92	13.98	0.2380	3.2280	13	12	W
1997 BU ₄	14.5	970201	293.63	72.08	142.50	13.80	0.1061	2.7830	29	13	N	1997 CX ₁₅	14.5	970201	229.51	322.44	328.08	1.38	0.1449	2.8172	12	15	E W
1997 BV ₄	13.5	970201	325.88	136.35	353.41	18.23	0.2071	3.1682	29	12	W	1997 CA ₁₆	15.0	970201	61.12	104.62	330.91	5.47	0.1015	2.7249	12	19	W
1997 BW ₄	15.5	970201	32.89	326.81	107.35	11.40	0.2793	2.7351	52	17	W	1997 CQ ₁₆	15.0	970201	161.51	194.90	129.57	4.28	0.0997	2.3134	11	18	W
1997 BY ₄	13.7	970221	84.50	308.80	69.51	9.93	0.1568	2.3389	38	14	N	1997 CT ₁₆	15.0	970221	269.14	135.70	128.99	4.62	0.1689	2.1887	26	13	W
1997 BT ₅	15.5	970201	292.59	242.72	333.61	1.38	0.0320	2.8282	7	12	E W	1997 CV ₁₆	15.7	970221	352.65	187.12	327.01	4.46	0.2109	3.0277	26	11	N
1997 BV ₅	15.0	970201	37.40	328.30	127.82	0.08	0.1324	2.5615	31	18	M	1997 CW ₁₆	15.2	970221	86.04	260.31	137.46	17.76	0.1562	2.6441	26	12	N
1997 BX ₅	14.5	970201	35.12	319.67	123.33	6.96	0.0565	3.1391	37	18	M	1997 CX ₁₆	13.6	970221	18.32	181.29	318.47	9.69	0.0436	2.9954	23	10	N
1997 BQ ₆	15.0	970201	339.29	102.14	57.85	0.91	0.1336	3.1924	26	12	W	1997 CY ₁₆	12.8	970221	72.32	259.85	173.94	10.57	0.1186	3.1579	23	11	N
1997 BR ₆	14.3	970221	55.36	99.15	336.32	4.88	0.1474	2.3241	38	13	N	1997 CZ ₁₆	14.5	970221	68.98	134.44	310.84	6.27	0.0455	2.2798	23	10	N
1997 BX ₆	16.0	970201	195.96	329.19	324.93	2.95	0.0280	2.1426	14	19	W	1997 CS ₁₇	16.5	970201	134.28	220.21	142.33	7.59	0.1510	2.4001	8	8	W
1997 BE ₇	14.0	970201	55.84	203.35	212.66	5.26	0.2146	2.6330	20	9	W	1997 CE ₁₈	13.5	970221	129.30	193.99	154.61	9.01	0.2763	4.0020	35	12	W
1997 BH ₈	13.2	970221	122.21	31.14	317.21	10.54	0.1989	2.6559	42	13	N	1997 CG ₁₉	16.0	970201	12.05	126.10	0.26	2.22	0.1584	2.3570	12	9	W
1997 BC ₉	14.5	970201	89.92	261.56	136.78	3.09	0.1857	2.3681	7	6	E W	1997 CO ₁₉	13.8	970221	305.32	146.16	63.46	6.34	0.1026	3.1392	33	10	N
1997 BD ₉	13.5	970201	325.23	82.56	112.72	2.52	0.1305	3.2080	7	6	E W	1997 CP ₁₉	13.5	970201	56.19	292.68	139.19	13.32	0.1593	2.5607	14	16	W
1997 BE ₉	16.5	970201	48.70	119.26	318.24	15.01	0.1161	1.8855	8	11	W	1997 CS ₁₉	14.5	970221	317.78	133.20	77.78	5.37	0.1204	2.4742	29	10	W
1997 BF ₉	13.0	970201	283.95	62.15	184.09	0.93	0.2561	3.1861	8	5	W	1997 CV ₂₁	14.7	970313	204.60	305.68	22.07	4.39	0.0135	2.2364	28	11	N
1997 BG ₉	13.5	970201	71.50	91.68	325.75	1.08	0.1006	2.8864	8	5	E W	1997 CW ₂₁	15.5	970201	33.81	25.67	91.35	3.26	0.1075	2.2891	7	8	W
1997 BH ₉	14.0	970201	87.24	273.82	136.67	2.93	0.0232	2.8952	8	5	E W	1997 CX ₂₁	15.6	970313	17.04	231.92	253.23	4.72	0.1986	2.4590	28	12	N
1997 CB	14.5	970201	163.97	191.24	156.59	11.34	0.2788	2.3489	37	13	W	1997 CC ₂₂	14.5	9702									

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1997 CB ₂₆	13.9	970221	68.75	113.57	321.10	5.95	0.0679	2.3531	21	11	N	1997 EM ₄	17.5	970221	307.11	79.69	158.40	1.72	0.1196	2.3796	7	9	W
1997 CC ₂₆	15.6	970201	53.61	30.83	26.37	2.97	0.1767	2.3890	58	16	N	1997 EN ₄	14.5	970221	220.05	327.55	2.40	12.18	0.2037	2.6370	12	9	W
1997 CO ₂₆	16.0	970201	278.87	291.47	312.47	0.42	0.1447	2.2750	8	8	E W	1997 EP ₄	16.0	970221	220.75	264.68	59.38	0.86	0.1082	2.7667	7	8	E W
1997 CU ₂₆	6.0	970221	48.41	99.07	301.00	25.15	0.3583	16.3991	28	0	E M	1997 EQ ₄	17.0	970221	63.25	60.83	22.50	1.73	0.2388	2.3632	7	9	E W
1997 CE ₂₇	16.5	970201	61.62	123.61	283.98	4.35	0.2282	2.4643	2	10	E W	1997 ER ₄	15.5	970221	257.61	238.81	57.11	1.25	0.1548	2.7710	7	8	W
1997 CX ₂₇	13.0	970201	71.23	271.06	136.67	5.81	0.1685	3.1256	31	15	W	1997 ES ₄	15.5	970221	4.24	164.35	3.69	5.44	0.1407	2.6355	11	9	W
1997 CY ₂₇	12.5	970201	330.31	211.25	320.59	14.90	0.0534	2.8480	11	12	W	1997 EU ₄	17.0	970221	51.54	308.28	156.98	2.42	0.1603	2.3026	7	9	W
1997 CB ₂₈	14.5	970201	126.19	239.44	129.85	5.55	0.1134	2.3090	14	14	W	1997 EV ₄	16.5	970221	212.25	322.03	8.42	5.87	0.0995	2.6275	12	11	W
1997 CC ₂₈	15.0	970201	20.29	1.33	116.34	2.47	0.1272	2.4455	11	9	W	1997 ED ₅	16.0	970221	84.26	249.56	181.00	4.77	0.1670	2.5299	10	9	W
1997 CD ₂₈	14.5	970201	43.99	98.80	348.83	3.86	0.1462	2.6151	11	9	W	1997 EF ₅	17.5	970221	56.68	277.75	177.77	9.50	0.1975	2.7069	5	9	W
1997 CG ₂₈	15.0	970201	9.20	158.66	331.58	3.16	0.2268	2.6265	11	12	W	1997 EG ₅	16.0	970221	293.23	78.98	184.98	1.23	0.2008	2.8088	10	9	W
1997 CH ₂₈	12.0	970201	356.32	155.20	317.27	9.56	0.1714	3.2138	9	9	W	1997 EH ₅	17.0	970221	25.66	312.24	177.44	17.47	0.2582	3.0447	5	9	W
1997 CR ₂₈	15.0	970201	182.55	233.93	88.19	3.82	0.1445	2.5178	12	9	W	1997 EN ₅	16.0	970221	88.97	65.96	7.71	1.86	0.1168	2.6854	10	9	E W
1997 CS ₂₈	15.0	970201	96.60	317.87	80.16	3.62	0.0825	2.6296	11	9	W	1997 EQ ₅	16.5	970221	349.29	180.04	6.04	2.57	0.0865	2.4345	10	12	W
1997 CT ₂₈	15.0	970201	247.25	113.99	145.67	5.62	0.0900	2.4467	13	9	W	1997 ER ₅	15.0	970221	127.57	232.42	165.07	2.25	0.1435	2.4818	10	9	W
1997 CU ₂₈	14.0	970201	48.13	122.94	306.80	2.73	0.1976	2.6586	15	12	W	1997 EV ₅	17.5	970221	313.98	57.35	174.86	8.77	0.1159	2.6579	10	9	W
1997 CV ₂₈	13.5	970201	188.86	356.68	316.16	9.78	0.2374	2.2340	9	9	E W	1997 EA ₆	15.5	970221	55.69	279.34	170.81	5.31	0.2253	2.6861	3	9	E W
1997 CA ₂₉	14.5	970201	152.07	19.71	333.04	4.54	0.0953	2.7410	7	9	W	1997 EE ₆	15.5	970221	209.97	320.03	3.30	3.41	0.1507	2.2416	2	7	E M
1997 CB ₂₉	14.5	970201	240.00	131.99	149.49	6.32	0.1360	2.6118	7	9	W	1997 EH ₆	16.0	970221	73.17	321.43	121.01	1.56	0.0894	2.6244	2	7	E M
1997 CC ₂₉	12.0	970201	277.20	183.23	64.68	0.11	0.1326	3.1339	11	9	E W	1997 EM ₆	16.5	970221	80.15	96.20	339.73	1.46	0.1435	2.4509	7	9	E W
1997 CF ₂₉	13.5	970201	358.37	14.13	170.17	2.30	0.1335	2.3037	23	13	W	1997 EO ₆	15.0	970221	12.77	327.16	184.29	0.86	0.1741	2.4212	7	9	E W
1997 CK ₂₉	15.0	970201	32.57	124.34	331.89	1.11	0.2279	2.2996	12	10	W	1997 EP ₆	17.5	970221	276.10	285.94	354.98	4.16	0.2034	2.6043	7	8	E W
1997 DF	18.0	970221	73.23	268.46	145.90	18.67	0.1468	1.5418	14	0	W	1997 ER ₆	16.0	970221	222.54	77.02	216.91	7.57	0.0353	2.7527	6	9	W
1997 DH	13.2	970221	334.80	207.47	313.95	9.21	0.1388	3.1936	5	8	N	1997 ET ₆	15.5	970221	157.94	91.88	256.78	6.49	0.2443	2.4374	7	8	W
1997 DJ	13.7	970221	313.79	60.65	130.86	6.69	0.1481	2.4570	5	8	N	1997 EW ₆	16.0	970221	201.07	103.49	216.71	7.14	0.1961	2.3053	7	12	W
1997 DK	13.0	970313	80.35	108.56	326.02	8.93	0.0755	3.0448	10	10	N	1997 EY ₆	17.0	970221	99.72	183.40	216.95	6.59	0.1347	2.2409	6	9	W
1997 DL	16.1	970313	23.46	157.70	326.90	4.98	0.1602	2.2555	12	12	N	1997 EB ₇	16.0	970221	30.34	285.18	187.77	11.68	0.1645	3.1096	7	12	W
1997 DM	14.0	970221	39.79	335.38	129.98	5.20	0.1238	2.9917	18	12	W	1997 ED ₇	16.0	970221	103.96	141.10	257.91	5.58	0.1214	2.4359	6	9	W
1997 DO	15.5	970221	33.75	302.02	160.04	7.12	0.0675	3.2368	9	15	M	1997 EG ₇	16.0	970221	116.17	64.52	317.64	15.87	0.2120	2.5914	10	9	W
1997 DP	14.5	970221	72.39	229.88	201.60	6.40	0.0789	3.1681	16	7	W	1997 EH ₇	18.0	970221	355.06	209.67	311.57	10.51	0.1225	2.3900	6	9	W
1997 DQ	14.5	970221	40.39	100.85	2.39	8.31	0.1493	2.3631	25	11	W	1997 EJ ₇	14.5	970221	199.54	353.95	328.87	35.79	0.1820	2.4289	5	9	E W
1997 EN	15.5	970221	317.93	65.39	121.68	4.03	0.0627	2.2278	10	17	W	1997 EK ₇	15.5	970221	276.18	97.86	180.13	3.51	0.1779	2.6129	2	9	E W
1997 EO	16.0	970221	14.53	341.37	167.06	7.24	0.0526	2.4148	8	14	W	1997 EL ₇	16.0	970221	351.33	8.19	168.27	13.42	0.2042	2.6167	6	11	M
1997 EV	15.5	970221	50.38	66.52	18.48	23.53	0.2387	2.3413	13	29	W	1997 EO ₇	13.0	970221	238.79	315.14	330.24	9.03	0.1722	3.1829	7	11	M
1997 EY	13.5	970221	5.24	180.93	340.44	2.58	0.0690	2.8037	8	12	M	1997 ER ₇	14.5	970221	276.95	297.76	289.85	3.26	0.0386	2.3392	2	8	E W
1997 EB ₁	15.0	970221	242.89	0.99	278.47	6.11	0.0680	2.3431	6	12	W	1997 EX ₇	15.0	970221	97.69	60.56	352.91	3.72	0.1322	2.5590	4	15	E W
1997 EF ₁	16.5	970221	243.48	354.61	291.43	8.97	0.1551	3.2254	7	9	E W	1997 EC ₈	15.0	970221	88.62	74.74	355.50	14.80	0.0663	2.6353	6	9	M
1997 EG ₁	18.0	970221	343.26	303.55	231.62	4.50	0.0855	2.2678	8	9	W	1997 ED ₈	16.0	970221	359.77	158.08	6.65	3.45	0.1723	2.5632	6	9	M
1997 EH ₁	17.5	970221	47.02	258.16	204.85	6.69	0.0654	2.6109	8	9	W	1997 EH ₈	15.5	970221	14.50	143.76	353.65	3.58	0.2992	2.7842	6	10	M
1997 EJ ₁	17.0	970221	307.55	284.10	291.51	6.54	0.0673	2.7864	7	9	W	1997 EK ₈	15.0	970221	82.81	65.81	354.03	3.64	0.2245	2.4416	6	10	E M
1997 EK ₁	17.5	970221	259.44	357.40	271.06	5.96	0.1143	2.4801	7	17	W	1997 EH ₉	15.5	970221	254.47	180.20	111.15	0.65	0.0817	2.9272	12	9	W
1997 EM ₁	18.0	970221	352.59	302.81	222.10	1.38	0.1809	2.3638	8	9	W	1997 EB ₁₀	17.5	970221	109.21	88.09	312.03	2.98	0.0668	2.3197	7	9	W
1997 ER ₁	16.5	970221	55.72	292.48	162.07	11.34	0.0722	3.0864	8	8	E W	1997 EC ₁₀	16.5	970221	284.09	296.88	307.28	2.23	0.1020	2.3336	7	9	W
1997 EC ₃	14.5	970221	349.15	170.65	347.30	25.05	0.2336	2.3691	5	15	W	1997 EL ₁₀	17.0	970221	52.27	303.46	176.01	1.93	0.0374	2.8642	7	9	E W
1997 EJ ₃	17.5	970221	280.19	261.88	359.91	7.34	0.0843	2.2034	12	12	W	1997 EQ ₁₀	14.5	970221	79.88	281.17	170.40	3.78	0.0557	3.1934	7	9	E W
1997 EM ₃	17.5	970221	70.20	85.48	2.08	7.01	0.1398	2.3944	7	9	W	1997 ER ₁₀	15.5	970221	243.28	303.60	0.30	15.99	0.1098	3.0871	7	9	W
1997 EN ₃	16.5	970221	108.36	45.96	5.46	5.37	0.1450	2.3141	7	9	W	1997 EH ₁₁	13.5	970221	298.89	259.33	294.76	13.10	0.1156	3.0345	5	9	E W
1997 EO ₃	15.5	970221	268.98	256.08	18.11	2.88	0.0530	3.0778	7	9	E W	1997 EJ ₁₁	16.5	970221	276.43	93.67	164.68	5.56	0.0793	2.2021	5	17	E W
1997 EP ₃	16.5	970221	284.40	257.28	6.89	4.08	0.1351	2.2682	7	8	W	1997 EK ₁₁	15.0	970221	213.59	315.49	359.72	3.82	0.0263	2.5205	5	11	E W
1997 ER ₃	15.5	970221	252.13	306.11	353.43	4.90	0.1744	2.6598	7	12	E W	1997 EL ₁₁	13.0	970221	221.80	268.49	54.34	15.70	0.1758	2.6145	4	10	W
1997 EU ₃	17.0	970221	298.17	82.55	165.10	0.47	0.1379	2.2202	7	9	E W	1997 ER ₁₁	15.0	970221	294.67	243.73	2.31	1.58	0.1604	2.3913	4</		

1997 EN ₁₅	15.5	970221	251.31	274.50	15.34	2.75	0.0222	3.1238	9	9	E W
1997 EE ₁₆	16.0	970221	244.50	125.32	183.76	3.90	0.2127	2.2374	8	9	W
1997 EG ₁₆	16.0	970221	252.81	113.76	186.90	1.98	0.1626	2.9023	8	9	E W
1997 EK ₁₆	16.0	970221	107.29	224.30	184.63	1.90	0.1928	2.3978	8	9	W
1997 EL ₁₆	16.0	970221	356.45	354.33	183.09	1.22	0.1417	2.5597	8	9	W
1997 EM ₁₆	16.5	970221	174.17	181.13	180.08	3.37	0.0283	2.6261	8	9	E W
1997 EQ ₁₆	16.0	970221	310.59	59.37	179.29	9.46	0.1498	2.6731	8	9	W
1997 ES ₁₆	17.0	970221	350.33	12.53	176.08	4.77	0.1084	2.9952	8	9	W
1997 EV ₁₆	19.0	970221	268.36	274.48	354.62	21.05	0.0687	1.8741	4	8	W
1997 EC ₁₈	15.5	970221	72.54	258.09	178.05	6.36	0.2116	2.3687	2	10	E W
1997 ED ₁₈	15.5	970221	345.11	23.34	166.45	8.60	0.2225	3.0341	2	5	E W
1997 EE ₁₈	12.5	970221	277.96	140.02	128.85	0.66	0.1505	3.0648	3	12	E M
1997 EG ₁₈	14.5	970221	324.11	81.84	125.45	6.38	0.1191	2.3929	2	9	E W
1997 EN₂₃	23.0	970221	356.35	352.87	178.74	6.97	0.6382	3.2659	3	11	W
1997 EC ₂₅	14.5	970221	288.14	173.08	67.40	5.65	0.1087	2.8504	6	9	W
1997 ED ₂₅	15.0	970221	268.52	170.01	87.63	6.31	0.0782	2.8455	6	8	W
1997 EG ₂₅	16.5	970221	200.22	277.12	46.50	7.32	0.1470	2.4016	6	9	W
1997 EH ₂₅	18.0	970221	31.75	63.64	57.29	5.77	0.0841	2.1974	6	9	W
1997 EM ₂₅	13.8	970313	82.87	272.20	140.83	15.01	0.0916	2.6175	8	7	N
1997 EN ₂₅	15.7	970313	57.88	74.99	356.07	3.53	0.1452	2.1919	4	6	E N
1997 EO ₂₅	15.1	970313	304.38	196.96	44.33	2.66	0.1355	2.3289	8	10	N
1997 EP ₂₅	14.9	970313	26.89	127.93	352.14	2.25	0.0893	2.2829	6	6	N
1997 EQ ₂₅	13.0	970221	218.00	147.66	173.94	17.29	0.2643	3.2260	6	6	E W
1997 ER ₂₅	15.5	970313	324.36	162.51	42.23	6.16	0.0099	2.5495	6	6	N
1997 ED ₂₆	14.5	970313	85.65	273.34	154.57	2.40	0.0218	2.8380	3	18	E M
1997 EV ₂₆	17.0	970221	52.40	90.44	14.05	1.69	0.1721	2.4901	9	9	E W
1997 EG ₂₇	15.0	970221	15.52	335.81	178.21	5.40	0.0746	2.2663	9	9	W
1997 EK ₂₈	18.0	970221	265.02	279.80	0.46	3.78	0.0982	2.4045	7	9	E W
1997 EU ₂₈	17.0	970221	41.67	285.65	179.71	21.92	0.2839	3.0678	4	9	W
1997 EH₂₉	19.0	970221	101.67	197.93	175.27	13.71	0.6813	1.2165	7	12	W
1997 EK ₂₉	16.0	970221	89.37	336.56	125.66	12.90	0.0350	2.9890	12	9	W
1997 EO ₃₀	14.5	970313	89.75	292.23	114.60	7.90	0.2059	2.4241	2	10	E W
1997 EP ₃₀	11.5	970221	112.68	310.06	86.15	12.38	0.0338	2.9566	2	5	E W
1997 EQ ₃₀	13.5	970221	5.35	41.79	105.53	10.97	0.0878	2.4166	2	3	W

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(1093) Freda Obs. 68 *M* 297.84721 ω 252.60726
H 8.83 *G* 0.15 *U* 1 Opp. 16 *n* 0.17752214 Ω 55.76257
rms res. 1''.11 (M-v) 1929-1997 *e* 0.2680023 *i* 25.18024

Epoch 1997 June 1.0 TT = JDT 2450600.5 Sicoli
(1604) Tombaugh Obs. 86 *M* 59.02499 ω 32.60429
H 10.53 *G* 0.15 *U* 1 Opp. 21 *n* 0.18751412 Ω 309.56068
rms res. 1''.14 (M-v) 1930-1996 *e* 0.0984873 *i* 9.41212

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(1919) Clemence Obs. 29 *M* 98.95496 ω 99.75204
H 13.45 *G* 0.15 *U* 2 Opp. 7 *n* 0.36592816 Ω 357.11531
rms res. 0''.94 (M-v) 1971-1997 *e* 0.0952796 *i* 19.33629

Epoch 1997 June 1.0 TT = JDT 2450600.5 Sicoli
(1961) Dufour Obs. 69 *M* 350.22584 ω 57.98163
H 10.6 *G* 0.15 *U* 1 Opp. 13 *n* 0.17219634 Ω 29.87849
rms res. 0''.79 (M-v) 1952-1996 *e* 0.1134993 *i* 6.63366

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(2091) Sampo Obs. 52 *M* 38.51481 ω 325.61201
H 10.2 *G* 0.15 *U* 1 Opp. 13 *n* 0.18829760 Ω 114.82549
rms res. 0''.86 (M-v) 1924-1997 *e* 0.0611765 *i* 11.37220

Epoch 1997 June 1.0 TT = JDT 2450600.5 Sicoli
(2111) Tselina Obs. 100 *M* 8.92132 ω 231.19851
H 10.45 *G* 0.15 *U* 1 Opp. 15 *n* 0.18789222 Ω 167.44832
rms res. 0''.99 (M-v) 1968-1996 *e* 0.0870684 *i* 10.48296

Epoch 1997 June 1.0 TT = JDT 2450600.5 Sicoli
(2112) Ulyanov Obs. 50 *M* 45.24314 ω 156.02037
H 12.8 *G* 0.15 *U* 2 Opp. 11 *n* 0.29126632 Ω 243.97175
rms res. 1''.09 (M-v) 1908-1996 *e* 0.1369112 *i* 3.36795

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(2792) Ponomarev Obs. 30 *M* 39.79638 ω 71.54065
H 13.3 *G* 0.15 *U* 2 Opp. 7 *n* 0.28687856 Ω 16.88098
rms res. 1''.06 (M-v) 1970-1997 *e* 0.1290238 *i* 9.36984

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3245) Jensch Obs. 42 *M* 57.44218 ω 84.87043
H 13.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.17825481 Ω 348.99337
rms res. 0''.74 (M-v) 1973-1997 *e* 0.1604593 *i* 0.33270

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3567) Alvema Obs. 32 *M* 109.69194 ω 137.86123
H 12.5 *G* 0.15 *U* 2 Opp. 7 *n* 0.21218134 Ω 271.40606
rms res. 0''.96 (M-v) 1930-1997 *e* 0.3142829 *i* 6.82278

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(6017) 1991 PY₁₁ Obs. 26 *M* 317.12853 ω 25.01915
H 13.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.28276031 Ω 214.97478
rms res. 0''.76 (M-v) 1952-1997 *e* 0.1356759 *i* 4.69871

(7509)* 1977 EL = 1975 UQ = 1991 PA₁₇

Discovered 1977 Mar. 9 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. H. Kaneda (*MPC* 16021), G. V. Williams (*MPC* 19011)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano
M 319.28068 (2000.0) **P** **Q**
n 0.29825005 ω 121.68443 -0.29108238 +0.95329545
a 2.2186172 Ω 131.17204 -0.91001275 -0.24989194
e 0.1478162 *i* 6.14796 -0.29520813 -0.16965201
P 3.30 *H* 13.9 *G* 0.15 *U* 1

Residuals in seconds of arc

751030	033	0.1-	0.1+	910814	809	1.2+	0.6-	940608	691	0.9-	0.2+
751031	033	1.2-	0.5-	910814	809	1.7+	0.5-	940611	801	0.4+	0.7-
770213	675	1.3-	1.2-	910905	809	0.2-	0.1-	940611	801	0.9+	0.5-
770214	675	(4.6-	0.6-)	910905	809	1.4-	0.2+	970209	369	0.8+	0.4-
770309	095	1.2+	0.2-	910905	809	(2.6-	0.8+)	970209	369	0.4+	0.3-
770313	095	0.6+	0.2+	910906	809	0.9-	0.7+	970209	369	0.0	0.1+
881007	675	0.7+	0.9+	910906	809	1.3-	0.2+	970304	886	0.1-	0.4+
881007	675	0.9+	0.3-	910906	809	1.8-	1.1+	970304	886	0.3-	0.4+
910807	809	(3.0+	3.7-)	940512	808	0.2+	0.6+	970305	886	0.1+	0.5+
910807	809	(2.4+	3.3-)	940512	808	0.8+	0.0	970305	886	0.8-	0.6+

910807 809 (2.4+ 3.4-) 940608 691 0.9- 0.2+
 910814 809 1.5+ 0.8- 940608 691 0.6- 0.2+

(7510)* 1978 UF₆ = 1978 RH₆ = 1994 GA₁₀

Discovered 1978 Oct. 27 by C. M. Olmstead at Palomar.

Id. G. V. Williams (d, *MPC* 20807; *MPC* 23778)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	246.68038	(2000.0)	P	Q	
<i>n</i>	0.28867463	ω 280.45640	+0.24037578	+0.97065574	
<i>a</i>	2.2674113	Ω 3.47486	-0.84052073	+0.21166799	
<i>e</i>	0.1323365	<i>i</i> 6.48866	-0.48553516	+0.11412315	
<i>P</i>	3.41	<i>H</i> 13.9	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

540904 675	0.7+	0.7-	940314 691	1.3-	0.8-	951023 691	0.5-	0.0
540904 675	0.2-	0.5-	940314 691	0.9-	0.7-	951024 801	0.4-	0.6-
780913 095	1.4+	1.1-	940403 033	0.2+	0.0	951024 801	1.1+	0.4-
781027 675	0.6+	0.6-	940403 033	0.1+	0.3+	951027 801	0.6+	0.2+
781028 675	0.2-	0.5-	940403 033	1.0+	0.1-	951027 801	0.7+	0.2+
781029 675	0.0	0.1+	940404 033	0.0	0.4+	970208 566	0.6+	0.1-
781128 675	0.5-	0.2-	951018 691	1.2-	0.1+	970208 566	1.1+	0.1-
781129 675	0.4-	0.3-	951018 691	1.0-	0.2+	970208 566	1.2+	0.0
880911 675	0.7+	0.8+	951018 691	0.8-	0.1+	970303 104	0.6-	0.1+
880911 675	0.6+	0.9+	951023 691	0.5-	0.3+	970303 104	0.1-	0.3+
940314 691	1.4-	0.4-	951023 691	0.5-	0.2+	970303 104	0.1-	0.4+

(7511)* 1981 EX₂₄

Discovered 1981 Mar. 2 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	52.69429	(2000.0)	P	Q	
<i>n</i>	0.17129082	ω 260.74496	+0.69326663	-0.72057108	
<i>a</i>	3.2110470	Ω 145.35484	+0.66960726	+0.63757393	
<i>e</i>	0.1493733	<i>i</i> 1.26974	+0.26647231	+0.27253771	
<i>P</i>	5.75	<i>H</i> 13.3	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

781003 675	0.4+	0.4-	810405 413	0.8-	0.6+	950822 596	0.3+	0.4-
781004 675	0.1-	0.9-	810405 413	0.2-	0.4+	950822 596	0.0	0.3-
810209 413	(2.8+ 0.4-)		810406 413	0.9-	1.2+	950823 596	0.0	0.5-
810213 413	(1.1+ 4.5-)		810406 413	1.5+	0.9-	950823 596	0.0	0.3+
810302 413	0.5+	0.6-	810426 413	1.3+	0.6-	950823 596	0.0	0.1-
810302 413	(1.5+ 2.9-)		810501 413	0.7+	0.3-	961206 905	0.7+	1.4-
810306 413	1.8-	0.6-	901113 372	1.3+	0.1-	961206 905	1.8+	0.5-
810306 413	(5.0+ 2.4-)		901113 372	(2.3- 0.7+)		970115 599	1.0-	0.5+
810311 413	0.4+	1.1-	901114 372	1.0-	0.1+	970116 599	1.2-	0.5+
810311 413	1.4-	0.3-	901114 372	(2.5- 0.5-)		970116 599	1.0-	0.8+
810315 413	1.2-	0.3-	901115 095	(6.7+ 0.2-)				
810315 413	1.1+	0.5-	901115 095	(1.2- 3.1-)				

(7512)* 1983 CA₁ = 1955 DM = 1966 PA₁ = 1966 PF₁ = 1974 FY = 1988 GF₁

Discovered 1983 Feb. 15 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. H. Oishi (d, *JAM* 2017), D. W. E. Green (*MPC* 14189), G. V. Williams (*MPC* 22051)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	17.25242	(2000.0)	P	Q	
<i>n</i>	0.21241385	ω 180.92475	-0.93137732	-0.36070556	
<i>a</i>	2.7819383	Ω 337.73396	+0.33484352	-0.79564139	
<i>e</i>	0.1577048	<i>i</i> 7.47183	+0.14288495	-0.48666856	
<i>P</i>	4.64	<i>H</i> 12.8	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

550225 760	1.6-	0.4+	830315 095	1.4+	0.8-	951111 689	0.3+	0.4+
550225 760	(4.0+ 1.2+)		880412 413	0.8-	0.2-	951112 689	0.2-	0.5+
550325 675	0.8-	0.5-	880412 413	1.3+	0.0	970207 691	0.7-	0.1+
550325 675	0.5-	0.9+	900916 675	0.6+	0.3+	970207 691	0.8-	0.1-
660810 074	0.5+	0.2-	900916 675	0.9+	0.8+	970207 691	0.4-	0.1-
660812 074	0.3+	0.5+	900917 675	1.2+	0.0	970213 691	0.6-	0.0
660816 074	(7.2- 1.4-)		900917 675	0.4+	0.8+	970213 691	0.5-	0.1+
740320 095	(3.1- 5.9+)		900918 675	0.9-	1.4-	970213 691	0.4-	0.2+
830214 381	0.8+	0.4+	900918 675	1.4-	1.2-	970301 886	0.6-	0.0
830215 688	2.2+	0.7-	900920 675	0.8+	1.8-	970301 886	0.2+	0.3-
830215 688	1.6+	0.2-	900920 675	0.8-	0.8-	970304 886	0.6-	0.3+
830219 688	0.2-	0.0	951027 552	0.5-	0.3+	970304 886	0.5-	0.0
830219 688	0.3+	0.9-	951027 552	0.2-	0.7+			

(7513)* 1985 RU₂ = 1955 SH = 1955 UU₁

Discovered 1985 Sept. 5 by H. Debehogne at the European Southern Observatory.

Id. O. Kippes (d, NAZ 13), E. Goffin (*MPC* 11420), T. Furuta (*JAM* 2032)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	143.90383	(2000.0)	P	Q	
<i>n</i>	0.29408206	ω 8.45902	+0.90336611	-0.42865603	
<i>a</i>	2.2395307	Ω 16.94306	+0.39070938	+0.80954214	
<i>e</i>	0.1586976	<i>i</i> 2.66562	+0.17684982	+0.40111786	
<i>P</i>	3.35	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

500321 675	0.1-	1.6+	850911 809	0.0	0.5-	920930 801	0.2+	0.6-
500321 675	0.0	0.1-	850911 809	0.4+	0.5-	921022 801	0.2-	0.2+
550916 760	0.2-	0.4-	850914 809	0.8-	1.1+	921022 801	0.1-	0.3+
550916 760	0.5+	0.7+	850914 809	0.9-	1.0+	921123 033	0.4+	0.2-
550917 760	0.0	1.4-	850914 809	0.8-	0.9+	921123 033	0.2+	0.6-
550917 760	1.0+	1.3-	850915 809	0.1+	1.4+	951115 691	0.8-	0.1+
551020 760	(1.0- 3.4+)		850915 809	0.0	1.2+	951115 691	0.9-	0.1+
551020 760	1.2-	2.2+	850915 809	0.1+	1.2+	951115 691	1.0-	0.2-
850905 809	0.5-	0.3-	850917 809	0.5-	0.3+	970209 596	0.1+	0.3+
850905 809	0.1-	0.2-	850917 809	0.1-	0.2+	970209 596	0.1-	0.6+
850905 809	0.1+	0.1-	850917 809	0.2-	0.1+	970209 596	0.4+	0.3+
850907 809	1.0+	0.2-	850919 809	0.9-	0.7+	970210 596	0.7+	1.6+
850907 809	1.3+	0.2-	850919 809	0.6-	0.6+	970210 596	0.2+	0.1+
850907 809	1.4+	0.1-	850919 809	0.5-	0.6+	970210 596	0.9+	1.1+
850910 809	0.3-	0.4+	850920 809	0.0	0.0	970310 104	0.1+	0.5+
850910 809	0.0	0.4+	850920 809	0.1+	0.1-	970310 104	0.2+	0.7+
850910 809	0.0	0.4+	850920 809	0.0	0.2-	970310 104	0.7+	1.0+
850911 809	0.3-	0.5-	920930 801	0.4+	0.6-			

(7514)* 1986 ED = 1993 BQ₂

Discovered 1986 Mar. 7 by M. Inoue, O. Muramatsu and T. Urata at Yatsugatake-Kobuchizawa.

Id. T. Urata (*MPC* 25729)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	359.65833	(2000.0)		P		Q	
<i>n</i>	0.27085780	ω	173.14843	−0.78486098		+0.61792824	
<i>a</i>	2.3657843	Ω	45.12693	−0.57160319		−0.69299221	
<i>e</i>	0.2007829	<i>i</i>	3.75845	−0.23929698		−0.37138455	
<i>P</i>	3.64	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

860307 386	1.6−	1.1−	930122 399	0.2−	0.5+	951117 385	0.5+	0.0
860307 386	(0.2−	2.9+)	930122 399	0.6−	0.0	951117 385	0.3−	0.6−
860316 386	0.1−	0.9−	951020 385	(0.2+	2.6−)	951120 887	1.0+	0.7+
860316 386	0.8+	2.2+	951021 385	0.3+	0.0	951120 887	0.3−	0.1−
860317 889	(2.8−	1.0+)	951021 385	0.7+	0.4−	951120 887	0.6+	0.3+
860317 889	1.1+	0.4+	951021 385	0.4+	0.1−	951130 896	0.2−	0.2−
860405 386	(0.8−	2.5+)	951103 385	1.0+	0.0	951130 896	0.5−	0.2−
860405 386	1.0+	0.6+	951103 385	0.2−	0.5+	951130 896	0.7−	0.1−
911013 691	0.4−	0.7+	951103 385	0.2+	0.7−	970105 327	1.2+	0.2+
911013 691	0.4−	0.7+	951116 385	1.0+	0.4+	970105 327	0.6+	0.8−
911013 691	1.5−	0.7+	951116 385	0.3−	0.5−	970105 327	0.0	0.1+
930118 400	1.1+	0.4−	951116 385	0.1+	0.5−	970309 385	0.6−	0.4−
930118 400	1.8−	0.7+	951117 385	0.6−	0.1−	970309 385	0.7−	0.3−

(7515)* 1986 EF₅ = 1982 BW₁₂ = 1991 SF₅ = 1996 CE

Discovered 1986 Mar. 5 by G. DeSanctis at the European Southern Observatory.

Id. E. Bowell (*MPC* 20013), G. V. Williams (*MPC* 27442)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	315.54483	(2000.0)		P		Q	
<i>n</i>	0.26951161	ω	70.78341	−0.40225041		+0.91552965	
<i>a</i>	2.3736557	Ω	175.49763	−0.84119941		−0.36948228	
<i>e</i>	0.0159681	<i>i</i>	0.18641	−0.36135600		−0.15902298	
<i>P</i>	3.66	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

820130 675	0.5+	0.7−	951203 327	0.2−	0.1+	960208 327	0.3−	0.4+
820131 675	0.1+	0.1+	960201 327	0.1+	0.5+	960211 327	0.4−	0.9−
860305 809	1.5+	0.6−	960201 327	0.7+	0.2+	960211 327	1.1−	0.7−
860305 809	0.3−	0.2−	960201 327	0.1+	0.4+	960211 327	0.3−	0.1+
860310 809	1.0−	0.3+	960202 327	0.0	0.6−	961227 327	1.0+	1.5−
860310 809	0.8−	0.7+	960202 327	0.2−	0.2+	961227 327	1.0+	1.0−
860314 809	0.0	0.3−	960202 327	0.1−	0.7+	961227 327	1.0+	1.1−
860314 809	0.0	1.2+	960204 327	0.2+	0.0	970314 691	1.0−	0.6−
910917 675	1.1+	2.0−	960204 327	0.9−	0.1+	970314 691	0.8−	0.7−
910917 675	1.1+	1.5−	960204 327	0.4−	0.4+	970314 691	0.9−	0.8−
951203 327	0.4+	0.0	960208 327	0.6−	0.5+			
951203 327	0.4+	0.5−	960208 327	0.1+	0.5+			

(7516)* 1987 MC = 1955 HB₁

Discovered 1987 June 18 at the Osservatorio S. Vittore, Bologna.

Id. E. Bowell (*MPC* 23779)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	280.44095	(2000.0)		P		Q	
<i>n</i>	0.28036537	ω	125.66347	+0.44798450		+0.89379617	
<i>a</i>	2.3119927	Ω	170.87870	−0.85701826		+0.43598419	
<i>e</i>	0.2411189	<i>i</i>	7.58888	−0.25461657		+0.10510083	
<i>P</i>	3.52	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

550421 675	0.2+	1.1+	870801 552	(0.3−	5.2+)	940802 552	1.1+	1.0−
550421 675	1.0+	0.5−	870801 552	(1.5−	3.2+)	940802 552	0.4+	0.7−
870618 552	0.6−	0.3+	870816 552	0.9−	1.2+	940808 801	1.0+	0.4+
870618 552	0.2+	0.4+	870816 552	(2.5−	3.5+)	940808 801	1.4+	0.3+
870621 552	0.3−	1.8+	870820 552	(0.6−	5.1+)	960115 552	0.8+	1.4−
870621 552	(3.4−	0.4−)	870820 552	2.0−	0.5+	960115 552	0.2−	1.2−
870622 552	1.6−	0.9−	940615 552	0.3−	0.1−	960115 552	0.2+	0.6−
870622 552	2.2−	0.0	940615 552	0.2−	0.5−	960116 552	0.1+	0.6−
870623 552	0.7−	1.8−	940615 552	0.1−	0.2−	960116 552	0.1+	0.3+
870623 552	0.7−	0.8−	940616 552	1.0−	1.4−	960116 552	0.2−	0.9−
870624 552	0.4−	0.7−	940616 552	0.2−	1.4−	960117 552	1.3+	1.2−
870624 552	0.4−	0.8−	940616 552	(0.1−	3.0−)	960209 552	0.7−	0.9+
870625 552	0.3+	0.1−	940617 552	0.5−	0.6−	960209 552	0.3−	0.2+
870625 552	0.6−	1.8−	940617 552	0.1+	0.9−	970208 552	0.2−	0.0
870628 552	0.3+	0.6−	940617 552	0.1−	0.4−	970208 552	0.3+	0.1−
870628 552	0.7+	0.7−	940617 552	0.4−	0.2+	970208 552	0.3−	0.2−
870629 552	1.2+	1.6+	940618 552	0.3+	1.0−	970216 552	0.3−	0.2−
870629 552	1.6+	1.6+	940618 552	1.5−	0.4+	970216 552	0.1−	0.2−
870630 552	1.4−	1.4+	940618 552	0.3−	1.2−	970216 552	0.5−	0.4−
870630 552	0.7+	1.5+	940630 552	0.0	0.8−	970228 104	0.3+	0.4+
870701 552	0.6+	0.6+	940630 552	0.1+	0.7+	970228 104	1.3+	0.5+
870701 552	0.8−	1.3+	940630 552	1.2+	0.1+	970228 104	1.9+	0.6+
870704 552	1.4+	0.3−	940630 552	0.2+	1.8−	970302 552	0.2−	0.1+
870704 552	2.3+	2.4+	940709 552	0.5+	0.4−	970302 552	0.5−	0.5+
870716 552	1.3−	0.6−	940709 552	1.5+	1.8+	970302 552	0.7−	0.4+
870716 552	0.8−	1.3−	940713 801	0.1−	0.0	970303 552	1.0−	0.2+
870727 552	1.5+	0.2+	940713 801	0.1−	0.0	970303 552	0.6−	0.4+
870727 552	0.7+	0.0	940802 552	1.3+	0.4+	970303 552	0.8−	0.0

(7517)* 1989 AD = 1938 UV = 1961 VJ = 1980 TF₇ = 1982 FU₃

Discovered 1989 Jan. 3 by T. Kojima at the YGCO Chiyoda Station.

Id. T. Kobayashi (*MPC* 14204)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	92.08754	(2000.0)		P		Q	
<i>n</i>	0.25742613	ω	55.25720	+0.55822334		−0.82968936	
<i>a</i>	2.4473775	Ω	0.81431	+0.72245249		+0.48518053	
<i>e</i>	0.2595226	<i>i</i>	6.07347	+0.40798174		+0.27607139	
<i>P</i>	3.83	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc (or two decimals in units of degrees)

381024 024	(0.02−	0.04−)X	890103 897	0.4−	1.2−	921028 801	0.6+	1.1−
611107 760	1.0+	0.3+	890103 897	1.2−	1.4+	921028 801	0.4+	1.1−
611107 760	0.3−	0.1−	890105 897	0.3−	0.2−	921128 801	0.7+	0.3−
780315 675	1.7−	0.1−	890105 897	2.0−	0.6+	921128 801	0.7+	0.2−
780316 675	0.5−	0.2−	890112 897	0.3−	0.2+	921129 801	0.5+	0.3−
801010 095	1.4+	0.6+	890112 897	1.0+	0.0	921129 801	0.5+	0.1−
801015 095	(1.3−	3.1+)	890128 897	0.3−	0.0	930131 596	(3.3+	2.5−)

820326	809	0.2−	0.2+	890128	897	1.9−	0.2−	930131	596	0.7+	0.0
820326	809	0.1−	0.5+	910714	675	1.2−	1.7−	930131	596	0.7+	0.0
820326	809	0.1+	0.5+	910714	675	0.1+	0.1+	970128	327	0.3+	0.6−
820328	809	0.4+	0.8−	910716	675	1.5−	0.2−	970128	327	1.0+	0.6−
820328	809	0.9+	1.0−	910716	675	0.8−	0.3−	970128	327	0.0	0.4−
820328	809	1.5+	1.2−	910717	675	1.9+	0.8+	970301	367	0.1+	0.2+
820330	809	0.8−	0.9+	910717	675	0.3+	1.2+	970301	367	0.2+	0.0
820330	809	0.7−	0.9+	910718	675	2.0+	0.4+				
820330	809	1.1−	1.1+	910718	675	1.8−	0.7−				

(7518)* 1989 FG = 1990 HB₄ = 1993 FK

Discovered 1989 Mar. 29 by K. Suzuki and T. Furuta at Toyota.

Id. S. Nakano (*MPC* 22052), G. V. Williams (unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	50.28015			<i>P</i>		<i>Q</i>	
<i>n</i>	0.24119415	ω	69.22874	−0.54045303		−0.83964091	
<i>a</i>	2.5559844	Ω	53.60119	+0.74485725		−0.50730522	
<i>e</i>	0.1308899	<i>i</i>	3.84524	+0.39127765		−0.19402207	
<i>P</i>	4.09	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

551212	675	0.6−	0.3+	890412	881	1.1+	0.0	951024	691	0.5−	0.2−
551212	675	0.7+	0.2−	900430	413	0.3+	0.0	970131	411	0.0	0.1+
890204	033	0.5−	0.3−	911008	675	0.6+	1.7+	970131	411	0.1−	0.2−
890204	033	0.4−	0.2+	911008	675	0.7−	0.8−	970210	124	0.6−	0.1+
890306	033	0.4−	0.6+	930317	372	0.5−	0.9−	970210	124	0.3+	0.0
890306	033	0.7−	0.3+	930317	372	2.0−	0.5−	970210	124	0.2−	0.3+
890329	881	0.8−	0.1−	930318	372	0.1+	0.8+	970216	910	0.2+	1.1−
890329	881	0.6+	1.2+	951020	691	0.4+	0.1+	970216	910	0.1−	0.1+
890401	881	(4.3+ 0.5−)		951020	691	0.5+	0.0	970216	910	0.2−	0.2+
890401	881	0.9+	1.1−	951020	691	0.2+	0.1+	970301	367	0.8+	0.4+
890409	881	(3.8+ 0.1+)		951024	691	0.5−	0.1+	970301	367	1.2+	0.0
890412	881	1.1+	0.4+	951024	691	0.3−	0.6−				

(7519)* 1989 UN₃ = 1994 LJ₂

Discovered 1989 Oct. 31 by B. G. W. Manning at Stakenbridge.

Id. G. V. Williams (*MPC* 23780)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	137.96058			<i>P</i>		<i>Q</i>	
<i>n</i>	0.17087208	ω	219.59814	+0.98280458		−0.18361780	
<i>a</i>	3.2162908	Ω	150.96485	+0.17795593		+0.91374085	
<i>e</i>	0.1773189	<i>i</i>	2.30081	+0.04926292		+0.36243918	
<i>P</i>	5.77	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

891030	095	0.3−	2.0+	940808	494	0.7+	0.3−	960206	709	0.3−	0.4−
891030	095	1.3+	0.2−	940808	494	0.7+	0.8−	960206	709	0.1+	0.2−
891031	494	0.6+	0.5+	940813	494	0.8+	0.3+	960206	709	0.5−	0.1−
891031	494	0.5+	0.1−	940813	494	0.7+	1.2−	960227	494	1.0+	0.3+
891105	494	1.2−	0.2−	960110	494	0.7−	0.9−	960227	494	0.7+	0.8+
891122	494	(2.8+ 1.6−)		960110	494	0.3−	0.4−	970207	494	0.4−	0.4+
910122	675	1.9−	0.6+	960110	494	0.9+	0.7−	970207	494	1.3+	0.5−
910122	675	(6.0− 1.0+)		960110	494	0.6−	0.7−	970213	494	0.2+	0.5−
940608	691	0.7−	0.3+	960129	709	0.2+	0.4+	970213	494	0.6−	0.6−
940608	691	0.6−	0.2+	960129	709	0.1−	0.6+	970213	494	0.0	0.4+

940608	691	0.9−	0.2+	960129	709	0.2−	0.1+	970306	494	0.9+	0.3−
940610	691	0.7−	0.3+	960129	709	0.2−	0.1+	970306	494	1.2+	0.4−
940610	691	0.7−	0.4+	960206	709	0.5−	0.3−	970312	494	0.1−	0.2+
940610	691	0.5−	0.2+	960206	709	0.4−	0.1−	970312	494	0.2−	0.6+

(7520)* 1990 BV = 1990 BO₂ = 1979 AB = 1979 BJ₁

Discovered 1990 Jan. 21 by T. Hioki and S. Hayakawa at Okutama.

Id. H. Kaneda (*MPC* 16239)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	54.28050			<i>P</i>		<i>Q</i>	
<i>n</i>	0.27071545	ω	316.33023	+0.54669039		−0.81764596	
<i>a</i>	2.3666136	Ω	99.73821	+0.80973221		+0.46134202	
<i>e</i>	0.2241117	<i>i</i>	10.55337	+0.21322140		+0.34441054	
<i>P</i>	3.64	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

790104	330	1.2−	0.3+	900127	877	(2.0−	2.5−)	961212	127	0.0	0.9−
790124	095	1.0+	0.0	900220	675	2.0+	1.1−	961212	127	0.0	0.5−
900121	675	1.4−	1.7−	900220	675	0.2+	0.0	961213	691	1.0−	0.2+
900121	675	0.1−	1.3−	920906	413	0.4+	0.3−	961213	691	1.0−	0.2+
900121	402	0.3−	0.9+	920906	413	0.5+	0.4−	961213	691	1.0−	0.1+
900121	402	(0.1−	5.6+)	940207	801	0.5−	1.8−	970211	327	0.8+	0.7+
900121	877	1.3+	0.8+	940207	801	0.6−	0.1−	970211	327	0.0	1.5+
900121	877	1.2−	0.3+	940409	801	0.0	0.2+	970211	327	0.2+	0.3+
900124	675	1.2−	0.9+	940409	801	0.4−	0.5+	970212	327	0.6+	0.3+
900124	675	0.3−	0.1−	940415	801	0.2+	0.0	970212	327	0.2+	0.2+
900124	877	0.0	0.9+	940415	801	0.4−	0.2−	970212	327	0.2+	0.1+
900124	877	1.0+	0.5−	961207	127	0.2+	0.6−	970212	327	1.1+	0.4+
900127	877	0.9+	0.4+	961207	127	0.6+	0.8−				

(7521)* 1990 QS₂ = 1983 HQ₁ = 1985 SB₄ = 1986 WC₇

Discovered 1990 Aug. 24 by H. E. Holt at Palomar.

Id. R. Nagata (*MPC* 17825)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	340.93014			<i>P</i>		<i>Q</i>	
<i>n</i>	0.19938982	ω	0.64364	−0.80993067		−0.58588254	
<i>a</i>	2.9017995	Ω	143.44621	+0.53792052		−0.76065753	
<i>e</i>	0.0131847	<i>i</i>	2.64248	+0.23378157		−0.27953849	
<i>P</i>	4.94	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

830416	033	0.5−	0.0	900918	675	0.1−	0.1+	930414	675	0.0	1.2−
830416	033	0.0	0.0	900918	675	0.7+	0.7−	930414	675	0.4−	1.4−
850920	095	0.8+	1.5+	900921	809	0.4−	0.2−	940801	689	0.1+	1.2−
861128	010	0.8+	0.1+	900921	809	0.1−	0.1+	940802	689	1.0−	0.1+
861128	010	0.4+	1.0−	900921	809	0.1+	0.0	940803	689	0.4+	0.8−
861128	010	1.5−	0.6−	900922	809	0.7−	0.1−	961209	801	0.1+	0.2−
900824	675	0.3+	0.4−	900922	809	0.5−	0.2−	961209	801	0.1+	1.1−
900824	675	0.5+	0.4−	900922	809	0.3−	0.5−	961210	801	0.5+	1.1−
900829	675(15.2− 26.8−)			901022	675	0.5+	0.5+	970112	560	0.2−	0.9+
900829	675(33.2− 24.4−)			901022	675	0.2−	0.4+	970112	560	0.3+	0.2+
900914	675	0.0	1.2−	930221	801	(0.5− 2.1−)		970112	560	0.6−	0.7+
900914	675	0.3+	0.5−	930221	801	(0.4− 2.9−)					

(7522)* 1991 AJ

Discovered 1991 Jan. 9 by M. Arai and H. Mori at Yorii.

Epoch 1997 June 1.0 TT = JDT 2450600.5

M	44.02756		(2000.0)	P	Q
n	0.17225824	ω	2.41089	-0.41410199	-0.89486371
a	3.1990133	Ω	112.09185	+0.83208370	-0.44633392
e	0.1736674	i	10.35492	+0.36899358	+0.00222860
P	5.72	H	12.2	G 0.15	U 1

Residuals in seconds of arc

510204	675	0.2+	0.4-	910116	675	0.2-	0.0	961223	327	0.5+	0.2-
510204	675	0.1-	0.1+	910116	675	0.4-	0.1-	961224	327	0.3+	0.3+
540902	675	0.7+	0.0	910119	046	0.9+	1.4-	961224	327	0.6+	0.1-
540902	675	0.5-	0.2-	910119	046	(2.7+	2.6-)	961224	327	0.9+	0.2+
891106	675	0.9+	0.5+	910120	046	0.9-	1.2-	961225	327	0.8-	0.3-
891106	675	0.3+	0.5+	910120	046	(0.9+	3.8-)	961225	327	0.4-	0.8+
910109	875	0.7+	0.6+	910210	875	0.8-	0.2-	961225	327	0.1+	0.3-
910109	875	0.2-	1.2+	910210	875	1.8-	0.9-	961226	327	0.7+	0.2+
910110	875	0.7-	0.1+	910220	875	0.7+	0.4+	961226	327	0.3-	0.6+
910110	875	0.6+	0.5+	910220	875	0.7+	0.3+	961226	327	0.4+	0.5-
910115	875	0.3-	0.1-	940909	675	1.0-	1.1+	970214	886	0.4+	0.4+
910115	875	0.0	0.1-	940909	675	0.3+	0.4-	970214	886	0.0	0.3+
910115	017(17.9+	16.2-)		941001	675	0.5-	0.0	970301	886	0.1-	0.1+
910115	017(13.6+	13.2-)		941001	675	0.3-	0.7-	970301	886	0.4-	0.2-
910115	017 (2.9-	3.3-)		961223	327	0.1+	0.4-				
910116	017(11.6-	1.6+)		961223	327	0.4+	0.1-				

(7523)* 1991 PF₁₈ = 1983 RG₇ = 1987 SP₁₇

Discovered 1991 Aug. 8 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 20026)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M	88.11843		(2000.0)	P	Q
n	0.24121179	ω	148.40956	+0.62538227	-0.77758041
a	2.5558598	Ω	262.79736	+0.70151113	+0.59690485
e	0.1293924	i	3.77463	+0.34172964	+0.19766972
P	4.09	H	13.6	G 0.15	U 1

Residuals in seconds of arc

830909	095	(3.8+	3.1-)	910914	675	0.1-	0.9-	950821	107	1.1-	0.7-
870916	095	1.5-	2.1+	940510	675	1.4+	1.0+	961204	691	0.3+	0.5+
870917	095	(4.3+	1.4+)	940510	675	1.0+	1.5+	961204	691	0.0	0.2+
870923	095	0.8+	0.8+	940608	675	0.6-	0.4+	961204	691	0.1+	0.3+
900526	675	0.9+	0.6+	940608	675	1.8-	0.1-	961215	691	0.4-	0.3+
900526	675	0.5-	0.2-	950815	596	0.1+	0.2+	961215	691	0.6-	0.8+
910808	675	(0.2-	3.2-)	950815	596	0.4+	0.0	961215	691	0.6-	0.3+
910808	675	0.4-	1.6-	950815	596	0.1-	0.2+	970228	104	0.6+	0.1+
910912	675	0.5-	1.6+	950819	107	0.6+	0.4+	970228	104	0.8+	0.1+
910912	675	0.1-	1.2+	950819	107	0.2+	0.1+	970228	104	0.6+	0.2+
910914	675	0.4-	0.4-	950821	107	1.1+	0.8-				

(7524)* 1991 RW₁₉ = 1969 RE₁ = 1976 KP₂

Discovered 1991 Sept. 14 by H. E. Holt at Palomar.

Id. K. Kinoshita (*MPC* 23782)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M	245.63699		(2000.0)	P	Q		
n	0.26958307	ω	45.04275	+0.38013833	+0.92412277		
a	2.3732362	Ω	247.33496	-0.85995344	+0.33774935		
e	0.2000806	i	2.39901	-0.34055092	+0.17866865		
P	3.66	H	14.4	G	0.15	U	1

Residuals in seconds of arc

690913	095	0.4-	2.2+	910915	691	0.3-	0.1-	970204	566	0.6+	0.4+
760529	413	0.1+	0.2-	910917	675	0.6+	0.3-	970204	566	0.3+	0.0
760529	413	0.1+	0.6+	910917	675	0.5-	0.5+	970204	566	0.5+	0.1-
760530	413	0.3-	0.2+	951017	596	0.9-	0.1+	970204	327	0.3+	0.3+
760530	413	0.7-	0.4+	951017	596	1.0-	0.1+	970204	327	0.5-	0.2-
910912	808	0.9+	0.1+	951017	596	0.0	0.1+	970204	327	0.5+	0.0
910912	808	(2.7-	2.5-)	951027	411	0.4-	0.2-	970204	327	0.3-	0.5+
910914	675	0.8+	0.1-	951027	411	0.3+	0.3-	970312	691	0.3+	0.7+
910914	675	1.1+	0.4-	970203	566	0.1+	0.3-	970312	691	0.3-	0.3+
910915	691	0.8-	0.2+	970203	566	0.1+	0.2-	970312	691	0.5-	0.7+
910915	691	0.4-	0.1-	970203	566	0.5+	0.1+				

(7525)* 1992 YE = 1981 QL₄

Discovered 1992 Dec. 18 by A. Natori and T. Urata at the JCPM Yakiimo Station.

Id. K. Ichikawa (*MPC* 21946)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M	140.22872		(2000.0)	$\mathbf{P}$	$\mathbf{Q}$		
n	0.28380176	ω	99.41968	+0.75948507	-0.64245764		
a	2.2932918	Ω	300.63011	+0.54052109	+0.71058706		
e	0.1124650	i	6.81655	+0.36196600	+0.28690455		
P	3.47	H	14.0	G	0.15	U	1

Residuals in seconds of arc

530815	675	0.1-	0.7-	950824	801	0.2+	0.5-	951023	801	0.0	0.1-
530815	675	0.1+	0.7-	950824	801	0.0	0.8-	951025	801	0.4+	0.3+
810830	675	0.3+	0.6-	950928	801	0.1-	0.3+	951025	801	0.3+	0.2+
810831	675	1.5+	1.0-	950928	801	0.5-	0.1+	970213	385	0.1-	0.7-
921218	885	0.4-	0.3+	950929	801	0.2-	0.1-	970214	385	0.5-	0.6-
921218	885	0.2+	0.9-	950929	801	0.2-	0.3-	970214	385	0.7-	0.8-
921221	885	0.4-	0.4-	951020	905	0.4+	0.3+	970218	385	0.1-	0.6-
921221	885	0.8+	0.3+	951020	905	0.8+	0.2+	970218	385	0.7-	1.2-
921224	885	0.5-	0.9+	951020	385	0.0	0.2+	970305	385	0.3-	0.7-
921224	885	0.2+	1.3-	951020	385	0.2+	0.2+	970305	385	0.3-	0.7-
950823	801	0.3-	0.9-	951020	385	0.1-	0.3+				
950823	801	0.1-	1.7-	951023	801	0.0	0.1+				

(7526)* 1993 AA = 1953 XV = 1980 TD₁₃ = 1980 VU₃ = 1984 YK₂

Discovered 1993 Jan. 2 by T. Urata at the Nihondaira Observatory.

Id. T. Urata (*MPC* 21802)

Epoch 1997 June 1.0 TT = JDT 2450600.5

M	110.85516		(2000.0)	$\mathbf{P}$	$\mathbf{Q}$
n	0.25457850	ω	150.49286	+0.91569969	-0.39759422
a	2.4655940	Ω	233.05125	+0.35289782	+0.86512634
e	0.2662374	i	4.19210	+0.19224255	+0.30573722
P	3.87	H	13.7	G 0.15	U 1

Residuals in seconds of arc

531208 024	0.3+	1.9-	930211 411	0.2-	0.1+	950801 801	0.5-	1.1-
801010 095	(2.2+	4.2+)	930211 411	1.2-	0.3+	970131 385	0.3-	0.8+
801017 095	(3.5+	3.7+)	930212 411	0.9-	1.9-	970131 385	0.1-	0.9+
801101 675	1.2-	1.7+	930212 411	1.8-	1.5-	970203 385	0.5-	0.5+
801102 675	0.2-	1.5+	950605 385	1.0+	0.0	970203 385	0.0	1.3+
841223 095	0.7+	1.2-	950605 385	1.2+	0.1-	970213 369	0.7+	1.1+
930102 385	0.7+	0.3-	950605 385	1.2+	0.3+	970213 369	1.0+	1.1+
930102 385	0.8+	0.5+	950705 596	0.2-	0.4+	970304 385	0.2-	0.9+
930117 385	0.5+	2.2-	950705 596	0.7-	0.0	970304 385	0.3-	0.8+
930117 385	0.0	0.5-	950705 596	0.8-	0.2+	970307 385	0.6-	0.5+
930120 385	1.0+	0.2-	950724 905	0.1+	0.1-	970307 385	0.1-	0.9+
930121 385	0.6-	1.5-	950724 905	0.1-	0.5-			
930121 385	1.7+	0.7-	950724 905	0.1-	0.6-			

(7527)* 1993 BJ = 1950 TA₁ = 1974 QG₂ = 1995 UJ₃

Discovered 1993 Jan. 20 by T. Urata at the Nihondaira Observatory.

Id. T. Urata (*MPC* 25960)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

M	201.45090		(2000.0)	P	Q
n	0.28548610	ω	22.64274	+0.98014077	+0.19094259
a	2.2842628	Ω	326.21035	-0.19347386	+0.86157372
e	0.1864412	i	5.52292	-0.04349633	+0.47035270
P	3.45	H	13.6	G 0.15	U 2

Residuals in seconds of arc

501013 024	2.1+	1.3-	930215 385	0.4-	1.4-	951223 385	0.0	0.6+
740826 095	1.8-	1.0-	930215 385	0.7-	0.5+	951223 385	0.1+	1.0+
881007 675	0.1+	0.9+	951017 905	0.1-	0.1+	970208 566	0.5+	0.2-
881007 675	0.1+	1.1-	951017 905	0.2-	0.1+	970208 566	1.0+	0.3-
930120 385	1.1+	0.3-	951020 905	0.2-	0.6+	970208 566	1.4+	0.6-
930120 385	1.5-	0.2+	951020 905	0.1-	0.5+	970214 385	0.4-	0.2-
930121 385	1.1-	0.2-	951025 905	0.6+	0.2-	970305 385	0.3+	0.2+
930121 385	0.3-	0.4-	951025 905	0.0	0.0	970305 385	0.2-	0.4-
930128 385	1.2-	1.5-	951109 887	0.3+	0.5+	970308 385	0.6+	0.2-
930128 385	0.9-	1.8+	951109 887	0.2+	0.4+	970308 385	0.6+	0.1-
930214 385	0.2-	0.2+	951109 887	0.5+	0.4+			
930214 385	1.0-	0.3+	951223 385	0.3+	0.3+			

(7528)* 1993 FS₃₉ = 1979 OP

Discovered 1993 Mar. 19 at the European Southern Observatory in the course of the Uppsala-ESO Survey of Asteroids and Comets.

Id. G. V. Williams (*MPC* 23527)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

M	182.82244		(2000.0)	P	Q
n	0.19606373	ω	147.28320	+0.74884246	+0.66272963
a	2.9345254	Ω	171.20327	-0.61479367	+0.69742321
e	0.1088723	i	1.85124	-0.24751507	+0.27274586
P	5.03	H	12.6	G 0.15	U 1

Residuals in seconds of arc

790724 675	0.4+	0.6+	940713 801	0.3-	0.2-	951123 327	0.5-	0.1+
790725 675	0.6-	1.0+	940807 801	0.1-	1.7-	970118 327	1.3-	0.0
920204 675	0.2-	0.6-	940807 801	1.3-	0.5+	970118 327	0.3-	0.0
920204 675	0.2-	1.0+	940809 801	1.1+	0.9-	970118 327	0.6+	0.7+

930319 809	0.8+	0.6+	940809 801	0.4-	0.6+	970222 118	0.1+	0.3-
930320 809	0.8+	0.9+	951117 327	0.3-	0.7+	970222 118	0.2-	0.3-
930324 809	0.9-	0.9+	951117 327	0.0	0.3+	970222 118	0.2+	0.5-
930421 413	0.0	0.3-	951117 327	0.2+	0.6+	970223 118	0.0	0.7-
940712 801	0.4+	0.0	951123 327	0.0	0.2+	970223 118	0.4+	0.5-
940712 801	0.7+	0.0	951123 327	0.1+	0.1-	970223 118	0.9+	0.4-

(7529)* 1994 BC = 1969 TK₅ = 1988 PP₃ = 1997 CE₇

Discovered 1994 Jan. 16 by V. S. Casulli at Colleverde di Guidonia.

Id. G. V. Williams (*MPC* 29104)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

M	92.67997		(2000.0)	P	Q		
n	0.25574129	ω	138.88864	+0.94109414	+0.33729068		
a	2.4581147	Ω	201.43569	-0.32488652	+0.88221815		
e	0.1152532	i	3.76807	-0.09375806	+0.32852113		
P	3.85	H	13.9	G	0.15	U	1

Residuals in seconds of arc

691015 095	0.7-	0.7-	940129 596	(3.3-	0.4+)	961016 691	0.3-	0.1-
691017 095	(4.9+	2.7-)	940129 596	(6.0-	1.6+)	961016 691	0.2-	0.3-
880811 413	0.9+	0.1+	940130 596	0.4-	1.5-	961016 691	0.2-	0.2-
880811 413	2.2+	1.0+	940130 596	0.2+	0.7+	970201 691	0.3-	0.1+
921001 691	0.5-	0.4+	940130 596	0.8-	1.6+	970201 691	0.2-	0.3+
921001 691	0.4-	0.2+	940131 596	0.6-	1.0+	970201 691	0.6-	0.1+
921001 691	0.7-	0.3+	940131 596	(1.7+	2.3+)	970206 683	0.5+	0.1+
940106 675	(0.5-	2.2-)	940131 596	(4.0+	3.7+)	970206 683	0.1+	0.2+
940106 675	0.9+	0.6-	940207 596	(1.4+	3.4-)	970206 683	0.2+	0.1+
940108 675	(0.9-	2.1-)	940207 596	0.8+	1.3-	970206 683	0.0	0.7+
940116 596	(2.0-	0.3+)	940207 596	0.1-	1.2-	970207 683	0.4+	0.0
940116 596	(0.2-	2.2+)	940211 596	(3.2+	2.8-)	970207 683	0.7+	0.2+
940116 596	(6.5-	5.9+)	940211 596	0.8+	0.2-	970207 683	0.8+	0.0
940118 596	0.6+	0.5-	940211 596	0.5-	0.1-	970207 683	0.4+	1.1+
940118 596	1.8+	1.0+	950530 691	0.0	0.3+	970207 691	1.1-	0.8-
940118 596	0.3-	1.4+	950530 691	0.8-	0.7+	970207 691	0.8-	0.4-
940129 596	(0.7-	3.7-)	950530 691	0.8-	1.0+	970207 691	1.0-	0.7-

(7530)* 1994 GO₁ = 1978 QH₂ = 1978 TQ₁ = 1989 EL₉

Discovered 1994 Apr. 15 by K. Endate and K. Watanabe at Kitami.

Id. K. Kinoshita (*MPC* 24395)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

M	144.07650		(2000.0)	P	Q
n	0.23177750	ω	192.33165	+0.98414205	+0.14906911
a	2.6247536	Ω	158.37239	-0.13235117	+0.97795155
e	0.1686089	i	15.12009	-0.11809989	+0.14625032
P	4.25	H	12.6	G 0.15	U 1

Residuals in seconds of arc

780831 095	0.0	0.3-	940505 400	0.3-	0.6+	950826 801	0.2-	0.2-
780905 095	(0.2+	6.1+)	940505 400	0.2-	0.6-	950826 801	0.1-	0.2-
781003 095	(2.0+	3.1-)	950701 801	0.1-	0.2+	950903 400	0.1+	0.1+
890305 033	0.6+	0.9+	950701 801	0.1+	0.0	950903 400	0.7+	0.8-
890305 033	0.8+	0.2+	950821 397	0.0	0.5+	950920 400	0.7-	0.1-
930319 691	0.5-	0.5+	950821 397	0.4+	0.2+	950920 400	0.3-	0.2+
930319 691	0.5-	0.3+	950822 397	0.1+	0.4+	961209 801	0.2+	0.3+
930319 691	0.4-	0.2+	950822 397	0.2-	0.3+	961209 801	0.2+	0.1+

940415	400	0.3+	0.0	950823	400	0.0	0.9+	970228	104	0.4-	0.4-
940415	400	(2.8-	4.6-)	950823	400	0.0	0.3-	970228	104	0.0	0.3-
940416	400	(3.7-	0.3+)	950824	801	0.1-	0.1+	970228	104	0.3+	0.2-
940416	400	(0.2+	2.5-)	950824	801	0.0	0.3+				

(7531)* 1994 SC = 1980 TO₄ = 1987 SF₁₈

Discovered 1994 Sept. 24 at Stroncone.

Id. T. Kinoshita (*MPC* 24234), T. Kobayashi (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams			
<i>M</i>	342.00693	(2000.0)	
<i>n</i>	0.27534562	ω 45.69142	-0.30317067 +0.95251093
<i>a</i>	2.3400076	Ω 206.69928	-0.89134732 -0.29401591
<i>e</i>	0.1239699	<i>i</i> 3.63280	-0.33702746 -0.07923117
<i>P</i>	3.58	<i>H</i> 14.2	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

801009	675	0.0	1.1+	941228	589	1.2-	1.2-	960125	589	(3.2+	1.7-)
801010	675	1.2-	1.9+	950923	589	0.1+	0.5+	960125	589	0.2-	1.0+
801010	095	(4.4+	1.7+)	950923	589	0.2-	1.3+	960125	589	0.9-	0.9+
870916	095	0.4+	0.1-	950923	589	1.7+	1.1-	960125	589	0.8+	0.5+
940907	675	0.4-	0.6+	951016	589	0.2-	0.2+	960207	589	0.3-	0.5+
940907	675	0.8-	1.0+	951016	589	1.0-	0.5-	960207	589	0.7-	0.0
940924	589	0.1-	1.8+	951016	589	0.3+	1.0-	960207	589	0.7-	0.4+
940924	589	0.5-	1.7+	951018	589	0.1+	1.1+	960208	589	0.5+	0.4-
940928	589	0.4-	0.9+	951028	589	0.0	0.3-	960208	589	0.4+	0.0
940928	589	0.4-	0.4-	951028	589	0.2-	1.0-	960209	589	0.6+	1.6-
940928	589	0.3+	1.1-	951118	589	0.5-	0.5-	960209	589	0.6+	0.0
941004	589	0.4+	0.3-	951118	589	0.4+	0.2-	960209	589	0.1+	0.1+
941004	589	0.5-	0.2-	951118	589	0.6-	0.6-	960212	589	0.5-	0.2-
941004	589	0.0	0.4-	951130	589	0.3+	0.3-	960212	589	0.2-	0.2+
941004	589	0.6+	0.1-	951130	589	0.2+	0.4-	960212	589	0.6-	0.1-
941008	589	0.7-	0.0	951130	589	0.8+	0.1+	960216	589	0.6+	0.5-
941008	589	0.1+	0.1+	951217	411	0.7-	0.8-	960216	589	0.4+	0.6+
941122	589	0.1+	0.9+	951217	411	0.6-	1.4-	960216	589	1.1+	0.7+
941122	589	1.6-	0.6-	951219	589	0.6-	0.2+	960223	589	0.6-	0.2+
941130	589	0.1+	1.6-	951219	589	0.2-	0.5-	960223	589	0.4-	1.1+
941130	589	0.1+	1.5-	951219	589	0.4+	0.1-	960306	589	0.0	0.6+
941130	589	0.9+	1.5-	960108	589	1.1+	0.7+	960306	589	0.8-	0.8-
941202	589	1.2+	0.7-	960108	589	0.0	0.7+	970208	589	0.1-	0.8-
941202	589	1.1+	0.1+	960108	589	0.2-	0.1-	970208	589	0.2+	0.8+
941202	589	1.3+	0.8-	960109	589	0.1-	0.5+	970208	589	0.1+	0.3-
941203	589	1.7+	0.9-	960109	589	0.8+	0.2+	970301	589	(3.7+	0.6-)
941203	589	0.2+	1.2-	960114	589	0.0	0.1-	970301	589	1.0-	0.1+
941203	589	0.8+	0.4-	960114	589	0.4-	0.7+	970301	589	0.9+	0.7-
941228	589	(2.3-	1.0+)	960114	589	0.3-	0.5+				

(7532)* 1995 UR₁ = 1981 KW = 1991 XU₆

Discovered 1995 Oct. 22 by M. Tichý at Kletř.

Id. E. Bowell (*MPC* 28594), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams			
<i>M</i>	163.18927	(2000.0)	
<i>n</i>	0.23131360	ω 328.05535	+0.98846664 +0.00479877
<i>a</i>	2.6282617	Ω 32.72109	+0.08770417 +0.79667903
<i>e</i>	0.1199253	<i>i</i> 16.26117	-0.12345719 +0.60438357
<i>P</i>	4.26	<i>H</i> 13.4	<i>G</i> 0.15 <i>U</i> 2

Residuals in seconds of arc

810528	809	0.0	0.1+	951026	046	0.6+	0.5+	960111	046	1.2-	0.0
911201	675	1.4+	0.0	951026	046	0.5+	0.6+	960111	046	0.9-	0.3-
911201	675	1.4-	1.0+	951026	046	0.6+	0.5+	970116	046	0.4+	0.3-
951020	411	0.0	0.2+	951027	411	0.3+	0.8+	970116	046	0.4+	0.3-
951020	411	0.0	0.4+	951027	411	0.8+	0.2-	970116	046	0.3+	0.1-
951021	411	0.0	1.6-	951112	046	0.0	0.5-	970117	046	0.1+	0.0
951021	411	1.2-	0.2+	951112	046	0.2+	0.4-	970117	046	0.1-	0.1-
951022	046	1.5+	1.0-	951112	046	0.1+	0.7-	970117	046	0.1+	0.1+
951022	046	0.8+	0.2+	951121	046	0.4-	0.0	970210	046	0.4+	0.1-
951024	046	0.0	0.4+	951121	046	0.4-	0.1+	970210	046	0.1-	0.2-
951024	046	0.0	0.2+	951121	046	0.5-	0.2+	970210	046	0.3+	0.2-
951024	046	0.0	0.2+	951122	046	0.2-	0.2-	970211	046	0.3+	0.0
951024	046	0.0	0.3+	951122	046	0.2-	0.2-	970211	046	0.0	0.3-
951024	046	0.0	0.3+	951122	046	0.1-	0.1-	970211	046	0.1-	0.3-
951024	046	0.0	0.3+	951209	046	0.1-	0.2-	970302	046	0.4-	0.2+
951025	046	0.2+	0.3+	951209	046	0.3-	0.1-	970302	046	0.3-	0.2+
951025	046	0.1+	0.2+	951209	046	0.3-	0.1-	970302	046	0.1-	0.2+
951025	046	0.1+	0.2+	960110	046	0.5-	0.4+	970306	046	0.7-	0.0
951025	411	0.3+	0.8-	960110	046	0.7-	0.4-	970306	046	0.5-	0.0
951025	411	0.2-	0.3+	960110	046	0.8-	0.8-	970306	046	0.4-	0.0
951025	411	0.6+	0.6-	960111	046	0.5-	0.2-				

(7533)* 1995 UE₆ = 1992 EZ₂₆

Discovered 1995 Oct. 25 by Y. Shimizu and T. Urata at the Nachi-Katsuura

Observatory.

Id. T. Urata (*MPC* 26181)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano			
<i>M</i>	92.44027	(2000.0)	
<i>n</i>	0.19021542	ω 289.40312	+0.52057716 -0.85239213
<i>a</i>	2.9943707	Ω 129.12674	+0.80525617 +0.47097140
<i>e</i>	0.1019636	<i>i</i> 3.64110	+0.28383433 +0.22718625
<i>P</i>	5.18	<i>H</i> 12.9	<i>G</i> 0.15 <i>U</i> 1

Residuals in seconds of arc

920302	809	0.5-	0.3-	951103	385	0.4+	0.0	951126	691	0.8-	0.4+
920304	809	0.4+	1.0-	951103	385	0.0	0.0	951127	691	1.0-	0.3-
920406	809	0.0	0.7+	951103	385	0.7+	0.5+	951127	691	1.1-	0.3-
930521	691	0.7-	0.1-	951113	905	0.0	0.2+	951127	691	0.9-	0.4-
930521	691	1.0-	0.2+	951113	905	0.4-	0.2-	970131	385	0.3-	0.2-
930521	691	1.7+	0.1-	951115	691	0.7-	0.2-	970131	385	0.4+	0.2+
951025	905	1.6+	0.8-	951115	691	0.7-	0.3-	970203	385	0.3-	0.2+
951025	905	1.2+	1.3+	951115	691	0.7-	0.3-	970203	385	0.4+	0.4-
951026	905	(2.3+	1.0+)	951116	905	1.0+	0.2-	970305	385	0.2-	0.3+
951026	905	0.9+	0.6+	951116	905	0.4+	0.8-	970305	385	0.1+	0.6+
951027	905	1.0+	0.1+	951126	691	0.7-	0.3-				
951027	905	0.3+	0.9+	951126	691	0.9-	0.1+				

(7534)* 1995 UA₇ = 1988 VF₁₃ = 1991 NW = 1993 BS₁

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

Id. T. Urata (*MPC* 26181)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	239.54172		(2000.0)	P		Q	
<i>n</i>	0.28354085	ω	203.60372	+0.52245432		+0.84702127	
<i>a</i>	2.2946985	Ω	98.02409	-0.76570534		+0.51661107	
<i>e</i>	0.2502978	<i>i</i>	5.67756	-0.37514907		+0.12517175	
<i>P</i>	3.48	<i>H</i>	13.4	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

881104 327	1.1+	0.2-	951027 399	(1.5+	2.6-)	970203 385	0.3-	0.6-
881104 327	0.7+	0.4-	951027 399	1.4-	0.2+	970204 385	0.0	0.4+
910710 675	0.0	0.2-	951028 399	1.6-	0.0	970206 046	0.3+	0.0
910710 675	0.7-	0.3-	951028 399	1.4-	0.8-	970206 046	0.5+	0.1+
910711 675	0.3-	0.3+	951103 385	0.1-	0.1+	970206 046	0.4+	0.1+
910711 675	0.7+	0.3-	951103 385	0.0	0.3+	970207 046	0.3+	0.2-
930116 010	0.5-	0.6+	951103 385	0.3+	0.3+	970207 046	0.8+	0.5+
930116 010	1.6-	1.1+	951116 905	1.8+	1.0+	970207 046	0.5+	0.1-
930116 010	1.4-	0.4+	951116 905	1.2+	1.0+	970215 691	0.3-	0.3-
930117 010	0.1+	0.8-	951127 905	0.5+	0.1+	970215 691	0.2-	0.3-
930117 010	0.3-	0.5-	951127 905	0.6-	0.1-	970215 691	0.3-	0.1-
930117 010	0.4+	0.8-	951217 905	1.3+	0.1-	970304 385	0.3+	0.2+
951026 905	0.1-	0.0	951217 905	1.2+	1.0+	970304 385	0.7+	0.0
951026 905	0.5+	0.4-	970131 385	0.3+	0.6+	970308 385	0.5-	0.3+
951027 905	0.7-	1.2-	970131 385	0.7-	1.4-	970308 385	0.1+	0.2-
951027 905	0.7-	0.3-	970203 385	0.1-	0.6-			

(7535)* 1995 WU₂ = 1989 TG₁₅

Discovered 1995 Nov. 16 by S. Ueda and H. Kaneda at Kushiro.

Id. G. V. Williams (*MPC* 26409)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	78.84119		(2000.0)	P		Q	
<i>n</i>	0.18631257	ω	50.85632	-0.01405936		-0.99709966	
<i>a</i>	3.0360432	Ω	40.14273	+0.87787697		-0.04811995	
<i>e</i>	0.0653525	<i>i</i>	6.66243	+0.47867981		+0.05896388	
<i>P</i>	5.29	<i>H</i>	12.4	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

890902 675	0.2+	0.3-	951118 399	1.2-	0.2+	960211 327	0.2+	0.1-
890902 675	0.7+	0.5+	951118 399	(2.6-	0.5+)	960211 327	0.2+	0.4-
891003 809	0.6-	0.3+	951125 399	0.4-	1.4+	960211 327	0.6+	0.3-
891003 809	0.4-	0.3+	951125 399	1.3-	0.6-	960211 327	0.6+	0.3-
891003 809	0.1-	0.3+	951214 399	(3.9-	1.1+)	970130 587	0.0	0.7-
891004 809	0.4+	1.2-	951214 399	(4.8-	0.5+)	970130 587	0.4-	0.1-
891004 809	0.5+	1.3-	951217 399	(3.6-	0.2+)	970130 587	0.8+	0.9-
891004 809	0.9+	1.2-	951217 399	(3.6-	0.3+)	970303 399	0.4+	1.0-
940907 675	0.4+	0.4+	960204 327	0.3+	0.0	970303 399	0.4-	0.2-
940907 675	0.2+	1.0-	960204 327	0.2+	0.2+	970308 399	1.7-	1.3+
941001 675	0.2-	0.6-	960204 327	0.6+	0.0	970308 399	(2.2-	1.6+)
941001 675	0.8+	0.7-	960208 327	0.9+	0.4+	970312 691	0.4-	0.8-
951116 399	0.2-	0.1-	960208 327	0.4+	0.3-	970312 691	0.2-	0.8-
951116 399	0.3-	1.1+	960208 327	0.1+	0.3-	970312 691	0.1-	0.8-

(7536)* 1995 WB₇ = 1978 EX₇ = 1991 AZ₃ = 1992 AG₃

Discovered 1995 Nov. 21 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Id. S. Nakano (*MPC* 26571)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	235.57563		(2000.0)	P		Q	
<i>n</i>	0.20462271	ω	353.27222	+0.46363671		+0.86749741	
<i>a</i>	2.8521136	Ω	304.19931	-0.80241916		+0.32484096	
<i>e</i>	0.1503332	<i>i</i>	12.58752	-0.37571863		+0.37673147	
<i>P</i>	4.82	<i>H</i>	11.8	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

780305 095	0.2-	0.7-	951121 905	1.2-	0.2-	970131 385	0.1-	0.5-
890705 675	0.3+	0.9-	951127 905	0.3+	0.1+	970203 385	0.7+	0.0
890705 675	0.7+	0.7-	951127 905	0.7-	0.2+	970303 385	0.1-	0.0
910114 033	0.2+	0.7+	951221 905	0.4+	1.2+	970303 385	0.2-	0.4+
910114 033	0.9-	0.7+	951221 905	0.2-	1.4-	970305 385	0.1-	0.2+
920111 303	0.5-	0.4-	951222 905	0.7+	1.5-	970305 385	0.1+	0.2+
920112 303	(3.2-	1.4-)	951222 905	0.4+	0.5-			
951121 905	0.7+	0.2+	970131 385	0.5-	0.6-			

(7537)* 1996 HS₈ = 1976 SL₁₁ = 1982 YK₂ = 1987 SW₉ = 1989 AP₁ = 1992 OD₃

Discovered 1996 Apr. 17 by E. W. Elst at the European Southern Observatory.

Id. B. G. Marsden (*MPC* 28863), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Marsden			
<i>M</i>	256.13338		(2000.0)	P		Q	
<i>n</i>	0.17899765	ω	317.91419	+0.82166013		-0.56912097	
<i>a</i>	3.1182038	Ω	76.80069	+0.53112682		+0.74461410	
<i>e</i>	0.1709025	<i>i</i>	1.83881	+0.20683069		+0.34878527	
<i>P</i>	5.51	<i>H</i>	12.9	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

760929 095	(0.2-	3.4-)	920726 809	0.3-	1.1-	960327 809	0.1+	0.8-
821222 095	1.6-	1.7-	920726 809	0.7-	1.2-	960327 809	1.2-	0.9-
870919 809	0.4+	0.5+	920726 809	0.4-	0.9-	960327 809	1.5-	0.6-
870919 809	0.1+	0.2-	920730 809	0.6-	0.3+	960417 809	1.0+	1.3+
870919 809	0.4-	1.1-	920730 809	0.8-	1.1+	960417 809	0.6+	1.2+
870921 071	(1.8+	6.8+)	920730 809	0.6-	0.5+	960417 809	1.2+	1.0+
870921 071	(0.7+	6.9+)	950305 691	(2.1-	0.9-)	960418 809	1.3+	0.3-
870921 071	1.1+	0.6+	950305 691	1.8-	0.7-	960418 809	0.7+	0.2-
870921 071	2.1+	1.8+	960324 809	0.1+	1.1-	960418 809	0.5+	0.1-
890103 675	(1.9+	52.8-)	960324 809	0.5-	0.7-			
890105 675	1.1+	1.9+	960324 809	0.0	0.0			

(7538)* 1996 VE₆ = 1981 RF₃ = 1985 VZ₁

Discovered 1996 Nov. 15 by T. Kobayashi at Oizumi.

Id. D. J. Asher (*MPC* 28601)

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	86.51500		(2000.0)	P		Q	
<i>n</i>	0.27110343	ω	198.74170	+0.91925315		-0.39365223	
<i>a</i>	2.3643552	Ω	184.44465	+0.36655877		+0.85907086	
<i>e</i>	0.1852434	<i>i</i>	2.51494	+0.14355595		+0.32716231	
<i>P</i>	3.64	<i>H</i>	13.9	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

810902 095	1.5+	2.0+	940310 691	1.4-	0.7-	961130 411	0.3+	0.2-
851107 675	0.2-	0.1-	940310 691	0.4-	0.2-	961208 411	0.1+	0.3-
851107 675	1.9-	1.9+	961115 411	1.6+	0.8-	961208 411	0.5+	0.2-
920903 095	0.7-	1.9-	961115 411	0.3+	0.8-	961212 905	0.1-	0.5+
920903 095	0.6+	1.1-	961116 411	0.2-	0.5+	961212 905	0.4+	1.2+
920929 095	(1.1-	2.5-)	961116 411	0.5-	0.5-	961214 905	0.3-	0.1+
920929 095	0.5-	0.9-	961119 411	0.1-	0.2+	961214 905	0.6-	0.2-
940304 033	0.0	0.4-	961119 411	0.4-	0.3-	961219 411	0.9+	0.0
940304 033	0.3+	0.1-	961130 411	0.4+	0.1-	961219 411	0.4+	0.3-

(7539)* 1996 XS₃₂ = 1977 EN₂ = 1989 BU = 1991 PD₂₈

Discovered 1996 Dec. 6 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 28875)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano			
<i>M</i>	34.91407	(2000.0)	P	Q	
<i>n</i>	0.24217358	ω 295.07361	-0.02002995	-0.99899145	
<i>a</i>	2.5490883	Ω 155.97093	+0.94918082	-0.03162756	
<i>e</i>	0.1967966	<i>i</i> 5.66359	+0.31409326	+0.03187119	
<i>P</i>	4.07	<i>H</i> 13.7	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

770312 381	0.7+	0.3-	890206 897	0.8-	0.4-	961206 399	0.7-	1.0+
770312 381	0.4+	0.6-	910805 809	0.9+	0.8-	961215 399	1.2+	0.9-
770315 381	0.9+	0.4+	910805 809	0.1-	0.6-	961215 399	1.1+	0.5-
770315 381	0.9-	0.3+	910805 809	0.3-	1.7-	970109 399	0.2-	0.5-
890128 897	1.1-	1.9-	940513 691	0.2-	0.6-	970109 399	1.3+	0.1-
890128 897	0.7-	0.9-	940513 691	0.2-	0.5-			
890206 897	0.5+	0.8+	961206 399	1.4-	0.7+			

(7540)* 1997 AK₂₁ = 1970 CO = 1976 UL₂ = 1979 OW₁₁ = 1986 HE = 1987 QX₁₂ = 1992 WA₉

Discovered 1997 Jan. 9 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 29126)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Nakano			
<i>M</i>	4.38973	(2000.0)	P	Q	
<i>n</i>	0.25536392	ω 300.63043	-0.91988208	-0.38837880	
<i>a</i>	2.4605358	Ω 216.59520	+0.38383414	-0.86293011	
<i>e</i>	0.0809969	<i>i</i> 5.25285	+0.08055005	-0.32328553	
<i>P</i>	3.86	<i>H</i> 13.4	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

700201 805	0.6-	1.9+	870825 809	0.0	0.4+	970112 399	0.3+	0.0
761024 381	0.6+	0.8+	910914 691	0.6-	0.2+	970112 399	0.1+	0.5+
761024 381	0.5-	0.0	910914 691	0.8-	0.1+	970116 399	1.5+	0.5+
761026 095	0.5+	0.4+	910914 691	0.5-	0.2+	970116 399	0.6-	1.2-
790726 675	(3.6+	0.4+)	921128 675	0.1+	1.5-	970202 399	0.0	0.3-
790728 413	2.0+	1.0-	921128 675	0.7-	1.0-	970202 399	1.1-	0.0
860429 675	(12.7+	1.8-)	921201 675	0.7-	1.9-	970210 399	1.9-	0.9+
860429 675	(13.0+	0.8-)	921201 675	2.0+	0.2+	970210 399	0.9+	0.3+
870825 809	0.5-	0.2-	970109 399	1.1+	0.8+			
870825 809	0.6-	0.1+	970109 399	0.3-	0.1-			

(7541)* 4019 T-3 = 1990 SL₁₄

Discovered 1977 Oct. 16 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. H. Kaneda (*MPC* 17978)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	195.14790	(2000.0)	P	Q	
<i>n</i>	0.22398834	ω 177.14017	+0.95746744	+0.28782502	
<i>a</i>	2.6852565	Ω 166.08067	-0.26637959	+0.90879830	
<i>e</i>	0.1122946	<i>i</i> 4.84535	-0.11089640	+0.30206358	
<i>P</i>	4.40	<i>H</i> 13.9	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

710416 675	0.2-	0.0	900924 809	0.6+	0.8+	940712 801	1.4+	0.3+
710416 675	0.8-	0.1+	900925 809	1.2-	0.5+	970204 566	1.1+	0.4-
771011 675	1.3+	1.1-	900925 809	1.2-	0.2+	970204 566	1.0+	0.3-
771011 675	0.5+	0.7-	900925 809	1.2-	0.0	970204 566	1.0+	0.0
771012 675	0.6+	1.9-	930319 809	0.6-	0.9-	970304 691	0.9-	0.0
771012 675	(0.6-	2.6-)	930320 809	0.1-	0.6-	970304 691	1.2-	0.1-
771016 675	1.5-	0.8-	930324 809	1.2+	0.1-	970304 691	1.0-	0.1-
771016 675	0.7-	0.9-	930421 413	0.9+	0.9+	970311 684	1.2+	0.4-
771017 675	0.3-	1.2-	930429 691	1.3-	1.2-	970311 684	0.6+	0.2-
771017 675	0.4+	0.5-	930429 691	0.9-	1.6-	970311 691	0.4-	0.1+
771021 675	1.7+	0.9-	930429 691	1.1-	1.0-	970311 691	0.5-	0.2+
771021 675	2.1+	0.7+	940705 801	0.0	0.7-	970311 691	0.3-	0.3+
900924 809	0.5-	0.7+	940705 801	0.3-	1.9-			
900924 809	0.0	0.7+	940712 801	0.6+	0.1-			

1978 VN₂ = 1997 EW₇

Id. B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	178.83906	(2000.0)	P	Q	
<i>n</i>	0.18081022	ω 358.70081	+0.99994024	-0.01090414	
<i>a</i>	3.0973294	Ω 1.92449	+0.01022979	+0.90785982	
<i>e</i>	0.1905624	<i>i</i> 1.34235	+0.00385624	+0.41913202	
<i>P</i>	5.45	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

781030 010	0.1-	0.4+	970307 552	0.2-	0.1+	970309 540	0.5+	0.6+
781101 010	0.0	0.2-	970308 540	0.9-	0.3+	970309 540	0.0	0.4+
781101 010	(4.8+	1.1-)	970308 552	0.5+	0.6-	970309 540	0.3+	0.4+
781130 675	0.3-	0.2-	970308 552	0.3+	0.0	970311 540	0.1-	0.6-
781201 675	0.4+	0.0	970308 552	0.1-	0.2-	970311 540	0.3+	0.6-
970307 552	0.4-	0.1-	970308 540	0.2-	0.3+			

1979 OH₁₀ = 1996 PH₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	33.18096	(2000.0)	P	Q	
<i>n</i>	0.17747318	ω 201.46064	+0.99101408	+0.09261446	
<i>a</i>	3.1360349	Ω 152.67563	-0.06980098	+0.97355792	
<i>e</i>	0.0941100	<i>i</i> 12.13659	-0.11410050	+0.20882417	
<i>P</i>	5.55	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

790724 413	0.3+	0.1-	960814 566	0.5+	0.2+	960819 566	0.3+	0.9-
790726 675	0.0	0.1+	960814 566	0.1+	0.3+	960820 566	0.1-	0.1+
790728 413	0.4-	0.0	960819 566	0.3-	0.2+	960820 566	0.3-	0.1+
960814 566	0.4+	0.1+	960819 566	0.0	0.1-	960820 566	0.6-	0.1-

1979 QR₂ = 1994 PR₆Id. G. V. Williams (*MPC* 24383)

1997 MAR. 24

M.P.C. 29297

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	121.77599	(2000.0)	Williams	
			P	Q
<i>n</i>	0.19824536	ω 88.95738	+0.45735226	-0.88924807
<i>a</i>	2.9129567	Ω 333.82136	+0.80836025	+0.41954529
<i>e</i>	0.0918739	<i>i</i> 1.06130	+0.37065161	+0.18226249
<i>P</i>	4.97	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

540703 675	0.4-	1.2+	940810 809	1.2-	0.6-	940908 691	(2.3-	0.2+)
790822 809	0.8+	0.3-	940811 809	1.1+	0.5-	940908 691	(2.5-	0.1+)
790822 809	0.0	0.0	940811 809	0.3+	0.1+	970307 691	0.3+	0.7-
790822 809	0.5+	0.1-	940811 809	0.4+	0.2+	970307 691	0.4+	0.0
790823 809	0.3-	1.2-	940903 809	0.4-	1.0+	970307 691	0.2+	0.4-
790823 809	0.1-	0.4-	940903 809	0.1-	0.1-	970308 691	0.2+	0.2+
790826 809	0.1+	0.1+	940903 809	1.3-	0.2+	970308 691	0.0	0.5+
790826 809	0.0	1.0-	940904 809	1.0+	1.4+	970308 691	0.0	0.7+
790826 809	0.3+	1.0-	940904 809	0.3-	1.3+	970309 691	0.6-	0.2-
940810 809	0.4-	0.0	940904 809	0.3+	0.5+	970309 691	0.2-	0.2+
940810 809	0.6-	0.5-	940908 691	(2.5-	0.1+)	970309 691	0.2-	0.0

1981 EK₁₅ = 1997 CU₂₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	56.81395	(2000.0)	Williams	
			P	Q
<i>n</i>	0.17990892	ω 117.80954	-0.17642824	-0.98267136
<i>a</i>	3.1076653	Ω 342.07977	+0.82557616	-0.11628771
<i>e</i>	0.1086051	<i>i</i> 10.64418	+0.53600100	-0.14434043
<i>P</i>	5.48	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

810212 413	1.8+	0.6-	810409 413	0.2-	1.1+	970204 327	0.4-	0.6-
810212 413	0.5-	0.7-	810409 413	(3.7+	0.1-)	970214 327	0.5+	0.6+
810301 413	1.1-	0.6+	810501 413	0.5-	0.8-	970214 327	0.1+	0.2+
810308 413	0.0	0.1-	810503 413	0.3+	1.0-	970214 327	0.6-	0.6+
810308 413	1.6+	0.0	970204 327	0.2-	0.3-			
810312 413	1.1-	1.4+	970204 327	0.5+	0.7-			

1981 EF₃₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	113.35098	(2000.0)	Williams	
			P	Q
<i>n</i>	0.24748721	ω 272.89712	+0.20421466	-0.97880740
<i>a</i>	2.5124699	Ω 165.29257	+0.92031696	+0.18665675
<i>e</i>	0.0778848	<i>i</i> 3.44284	+0.33363612	+0.08423382
<i>P</i>	3.98	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

810213 413	0.9-	0.2-	810311 413	1.0+	0.5+	930323 691	1.7-	0.4-
810302 413	2.2-	1.5+	810502 413	0.8-	0.1+	930323 691	1.3-	0.8-
810303 413	0.1+	1.4+	810503 413	0.7+	0.7+	970307 691	0.1+	0.6-
810307 413	2.2+	0.4-	831030 675	0.2+	0.9-	970307 691	0.5+	1.5-
810311 413	1.8+	0.4+	831104 675	0.1-	0.4+	970307 691	0.3+	0.8-

1981 EB₄₃ = 1997 EG₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	312.34260	(2000.0)	Williams	
			P	Q
<i>n</i>	0.24621517	ω 242.34030	-0.31641356	+0.94860511
<i>a</i>	2.5211161	Ω 9.21867	-0.85768252	-0.28357639
<i>e</i>	0.0512405	<i>i</i> 1.98525	-0.40529390	-0.14047339
<i>P</i>	4.00	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

810213 413	0.5+	1.1+	810410 413	1.2+	0.3+	970302 691	0.3-	0.2-
810302 413	0.7+	1.2+	810410 413	(5.0+	3.7-)	970307 691	0.3-	0.3-
810306 413	(3.7-	0.6+)	810501 413	0.4-	0.0	970307 691	0.1-	0.6-
810311 413	(0.1-	3.2-)	810503 413	0.2-	0.4-	970307 691	0.3-	0.9-
810315 413	0.3+	0.3-	970302 691	0.2-	0.4-			
810315 413	0.7-	1.3+	970302 691	0.3-	0.7-			

1989 CG₁ = 1952 BO₂ = 1990 MB₂ = 1997 CO₂₇

Id. G. V. Williams, E. Bowell

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	340.53248	(2000.0)	Williams	
			P	Q
<i>n</i>	0.24025865	ω 246.05622	-0.95632367	+0.21670678
<i>a</i>	2.5626150	Ω 305.88586	-0.08719603	-0.85204238
<i>e</i>	0.0887297	<i>i</i> 14.01236	-0.27900160	-0.47651018
<i>P</i>	4.10	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

520131 675	0.5+	0.4+	900628 808	0.0	0.4+	970213 327	0.8+	0.2-
520131 675	0.5+	1.1+	970111 691	0.6-	0.1-	970213 327	0.1-	0.3-
890206 675	0.7-	0.7-	970111 691	0.7-	0.2+	970213 327	0.8-	0.3-
890206 675	0.6-	2.5-	970111 691	0.6-	0.1-	970213 327	0.9+	0.3-
890212 675	0.5-	0.5-	970202 327	1.1-	0.6+	970217 327	1.4+	0.6-
890307 413	0.1-	1.1+	970202 327	0.4-	0.4+	970217 327	0.4+	0.1+
890307 413	0.9+	0.6+	970202 327	0.4+	0.6+	970217 327	1.3+	0.0
900628 808	0.0	0.3-	970202 327	0.8-	0.5+			

1989 UW₂ = 1977 PR₁

Id. N. Kawasato (1997 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	14.97364	(2000.0)	Nakano	
			P	Q
<i>n</i>	0.17709709	ω 313.77839	-0.93225091	-0.35179622
<i>a</i>	3.1404733	Ω 205.97286	+0.36177885	-0.90317460
<i>e</i>	0.0138149	<i>i</i> 11.13064	+0.00493042	-0.24599810
<i>P</i>	5.57	<i>H</i> 11.3	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

770814 095	0.2+	0.9-	891104 877	0.9-	0.7+	891125 399	0.0	0.3+
891029 877	0.3-	0.8-	891104 877	0.7-	1.3+	970214 376	0.4+	0.2-
891029 877	(2.6+	1.2+)	891120 399	0.2+	1.8-	970214 376	0.5+	0.2+
891101 877	(3.5-	1.1+)	891120 399	1.4+	0.8-	970301 376	1.3-	0.5+
891101 877	0.1-	2.1+	891120 399	1.9+	1.2-	970301 376	0.2+	1.2-
891102 877	0.8-	0.4-	891125 399	1.7-	1.5-			
891102 877	1.7+	1.2+	891125 399	0.6-	0.8+			

1990 FV₁ = 1996 TQ₉

Id. F. N. Bowman

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	353.38196	(2000.0)	P	Q
<i>n</i>	0.39951121	ω 112.40327	-0.74982604	-0.62927062
<i>a</i>	1.8257868	Ω 29.82460	+0.34581802	-0.63611708
<i>e</i>	0.2127432	<i>i</i> 24.26650	+0.56406632	-0.44651265
<i>P</i>	2.47	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

900324 675	(4.0+ 4.4+)	961014 673	(0.2+ 2.8-)	961204 711	0.0	0.3+
900324 675	(6.4+ 5.8+)	961014 673	(0.6+ 2.6-)	961204 711	0.2+	0.1-
900330 675	(1.8- 5.5-)	961015 691	1.1- 0.4-	961205 711	0.5+	0.2+
900330 675	0.1+ 0.4-	961015 691	0.9- 0.4-	961205 711	0.5+	0.1+
900420 675	0.4+ 1.3+	961015 691	0.9- 0.4-	961206 711	0.6+	0.2+
900422 675	1.8- 1.5-	961117 711	0.4+ 0.0	961206 711	0.7+	0.2-
900525 801	0.1+ 0.8-	961117 711	0.3- 0.5+	970210 711	0.0	0.0
900525 801	0.4- 0.0	961117 711	0.8+ 0.2-	970210 711	0.1+	0.3+
900528 801	0.6- 0.8-	961117 711	1.3+ 0.4-	970211 711	0.0	0.1+
961009 691	0.3- 0.2-	961118 711	0.5+ 0.4-	970211 711	0.1+	0.1+
961009 691	0.7- 0.5-	961118 711	0.5+ 0.4-	970213 711	0.8-	0.8+
961009 691	0.6- 0.5-	961128 608	0.3+ 0.8+	970213 711	0.3-	0.5+
961014 711	0.4+ 0.2-	961129 608	0.2+ 0.2+			
961014 711	1.4+ 0.4-	961129 608	0.3+ 0.2+			

1990 HJ = 1953 GO₁ = 1968 KH = 1997 AU₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	2.94756	(2000.0)	P	Q
<i>n</i>	0.26626463	ω 110.75945	-0.94461917	-0.32395507
<i>a</i>	2.3929138	Ω 50.37660	+0.27006091	-0.85812737
<i>e</i>	0.1465133	<i>i</i> 3.90223	+0.18644500	-0.39833470
<i>P</i>	3.70	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

530407 210	(48.3- 3.8+)	X 900418 372	1.8- 0.9-	970103 411	0.3-	0.0
680522 095	0.1+ 0.4+	900418 372	1.3- 0.2+	970103 411	0.0	0.3-
900401 675	0.3+ 0.5+	900424 372	1.6+ 0.3-	970104 411	0.0	0.1+
900401 675	1.3+ 0.3+	961202 691	0.0 0.4+	970104 411	0.4+	0.2-
900402 372	(1.2- 4.8+)	961202 691	0.0 0.4+	970108 411	0.1+	0.5-
900402 372	(3.6- 3.4+)	961202 691	0.0 0.3+	970108 411	0.3-	0.1-

1990 OH₂ = 1985 SN₆ = 1996 RN₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	109.83765	(2000.0)	P	Q
<i>n</i>	0.17504138	ω 280.19832	-0.00617882	+0.99986370
<i>a</i>	3.1650135	Ω 349.41163	-0.88175532	-0.01266925
<i>e</i>	0.1849719	<i>i</i> 4.77942	-0.47166660	+0.01058630
<i>P</i>	5.63	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

850922 095	0.3+ 0.6-	900914 675	1.0+ 1.3-	960908 691	0.4+	0.2-
900729 675	1.3- 0.2-	900915 675	1.7+ 0.3+	960908 691	0.5+	0.0
900729 675	0.9- 0.2+	900915 675	0.9+ 0.5+	960908 691	0.6+	0.1+
900730 675	0.8- 0.4+	960905 691	0.2+ 0.3+	960919 691	0.8-	0.2+
900730 675	0.6- 0.0	960905 691	0.0 0.3+	960919 691	0.8-	0.1+
900914 675	0.7+ 1.0-	960905 691	0.0 0.6+	960919 691	0.8-	0.1-

1990 QE₂ = 1980 RU₄ = 1996 BS₁₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	54.58013	(2000.0)	P	Q
<i>n</i>	0.29610069	ω 310.60872	+0.27774163	+0.95996749
<i>a</i>	2.2293407	Ω 335.44460	-0.85285426	+0.22897758
<i>e</i>	0.1600439	<i>i</i> 5.01933	-0.44215290	+0.16134335
<i>P</i>	3.33	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

800908 095	1.2- 2.3+	900914 675	0.1+ 0.8+	900919 675	(1.2+ 4.8-)
900822 675	0.1- 0.2-	900916 675	0.2+ 1.2+	960130 809	(6.7- 5.3-)
900822 675	0.5- 0.7-	900916 675	0.3+ 0.6+	960131 809	0.1+ 1.9+
900828 675	0.1+ 1.2-	900919 675	0.3- 1.3-	960228 809	0.4+ 0.2+
900828 675	0.3+ 0.5-	900919 675	0.5- 0.4+	960229 809	0.1- 0.9-
900914 675	0.3+ 0.4+	900919 675	0.9+ 1.1-		

1990 QN₅ = 1997 DV

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	124.92872	(2000.0)	P	Q
<i>n</i>	0.21133112	ω 40.52787	+0.89674741	-0.44094262
<i>a</i>	2.7914322	Ω 345.49851	+0.35722125	+0.77138951
<i>e</i>	0.1743962	<i>i</i> 8.63581	+0.26122227	+0.45883312
<i>P</i>	4.66	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

900822 675	0.2- 0.3+	900914 675	0.4- 0.4-	970228 966	0.2+ 0.7+
900822 675	0.3- 0.6+	900914 675	0.8- 0.2+	970301 966	0.1+ 1.3+
900827 675	0.2+ 1.1-	970226 960	1.2- 0.9-	Y 970305 966	0.1- 0.1-
900827 675	1.1+ 1.0-	970226 960	1.5+ 1.5-	Y 970305 966	0.7- 1.1+
900829 675	0.2+ 0.6+	970226 960	(3.9- 3.1-)Y		
900829 675	0.2+ 0.8+	970228 966	0.1+ 0.6-		

1990 RR₃ = 1997 EX₁₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	294.83090	(2000.0)	P	Q
<i>n</i>	0.23962229	ω 233.85024	+0.00220791	+0.99959654
<i>a</i>	2.5671500	Ω 36.30761	-0.90143459	+0.01424849
<i>e</i>	0.1636925	<i>i</i> 2.74116	-0.43290969	-0.02457109
<i>P</i>	4.11	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

900914 675	0.5+ 1.1+	901022 675	0.0 0.1-	970304 400	0.1+ 0.1+
900914 675	0.4- 0.8-	901022 675	0.1+ 0.2+	970304 400	0.5+ 1.1+
900918 675	0.1- 0.0	970303 400	0.1+ 1.1-		
900918 675	0.1- 0.3-	970303 400	0.7- 0.0		

1990 VU₃ = 1997 CZ₂₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	70.07563	(2000.0)	P	Q
<i>n</i>	0.19173999	ω 304.04086	+0.02417074	-0.99962041
<i>a</i>	2.9784770	Ω 144.56696	+0.92456737	+0.01732145
<i>e</i>	0.1371166	<i>i</i> 1.30682	+0.38025118	+0.02142456
<i>P</i>	5.14	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

901111 372	1.6+ 0.5+	901123 095	(0.8- 4.2-)	970214 327	0.6+ 0.0
901111 372	0.8- 1.6+	901123 095	1.1+ 0.2+	970214 327	0.0 0.1+
901113 372	1.0+ 1.7-	970207 327	0.1- 0.7+	970218 327	0.3+ 0.0

901113	372	2.2−	0.7−	970207	327	0.9+	0.4−	970218	327	0.2+	0.2−
901114	372	0.2−	0.4−	970207	327	1.6−	0.2−	970218	327	0.0	0.1−
901114	372	0.5−	0.5+	970214	327	0.5−	0.1−				

1991 AY₂ = 1992 OG₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	239.79081		(2000.0)	P		Q	
<i>n</i>	0.29377911	ω	253.56849	−0.74149515		+0.67092381	
<i>a</i>	2.2410701	Ω	328.56895	−0.61051264		−0.67886216	
<i>e</i>	0.1015601	<i>i</i>	0.74678	−0.27831505		−0.29834109	
<i>P</i>	3.35	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910115	033	0.3−	0.2+	910122	675	0.2+	0.2+	920726	809	0.5−	0.3−
910115	033	0.5−	0.8−	920724	809	1.9+	0.0	920730	809	0.1+	1.0+
910115	033	0.4+	0.2−	920724	809	1.3+	1.5−	920730	809	0.3−	0.2+
910115	033	0.1−	0.6−	920724	809	0.6−	0.9−	920730	809	1.3−	1.0+
910116	033	0.3−	0.2+	920726	809	0.1−	0.4+				
910122	675	0.3+	0.5+	920726	809	0.3−	0.3−				

1991 PX₅ = 1991 RF₁₂ = 1997 CZ₂₇Id. S. Nakano (d, *MPC* 19821), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	214.27573		(2000.0)	P		Q	
<i>n</i>	0.27190625	ω	342.56663	+0.80291295		+0.59520269	
<i>a</i>	2.3596989	Ω	340.79586	−0.53440672		+0.69449205	
<i>e</i>	0.0405879	<i>i</i>	5.69260	−0.26408381		+0.40424565	
<i>P</i>	3.62	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910806	809	1.3+	0.9+	910814	809	0.7−	0.4+	970206	327	1.2−	0.0
910806	809	1.2+	1.0+	910814	809	1.1−	0.0	970206	327	0.2+	0.4−
910806	809	1.3+	1.5+	910904	809	0.7+	0.1+	970206	327	0.3−	0.7−
910806	675	(0.7+	3.0−)	910904	809	0.2+	0.7+	970214	327	0.6+	0.2+
910806	675	0.8−	1.5−	910904	809	0.2−	0.1−	970214	327	0.4+	0.4−
910810	675	0.3+	1.3−	910906	809	0.1+	1.4−	970214	327	0.5−	0.2−
910810	675	0.4−	1.3−	910906	809	1.0−	1.0−				
910814	809	0.1−	0.4+	910906	809	(2.5−	1.7−)				

1991 RG₄ = 1997 EP₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	203.80684		(2000.0)	P		Q	
<i>n</i>	0.26246270	ω	57.72952	+0.92205025		+0.38619314	
<i>a</i>	2.4159669	Ω	279.54124	−0.36342041		+0.84059459	
<i>e</i>	0.2250542	<i>i</i>	1.51322	−0.13322518		+0.37980993	
<i>P</i>	3.76	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910912	033	0.3−	0.2+	911003	033	0.0	0.4+	970304	691	0.5−	0.0
910912	033	0.7+	0.0	911004	033	0.2−	0.1−	970304	691	0.5−	0.1+
910914	033	0.3+	0.1+	911009	033	0.4−	0.4−	970304	691	0.9−	0.4−
910915	033	1.0−	0.6−	911009	033	0.0	0.1−	970311	691	0.1+	0.3+
910915	033	(1.1+	2.5−)	970303	691	0.6+	0.1+	970311	691	0.0	0.1−
911002	033	0.7+	0.4+	970303	691	0.6+	0.2−	970311	691	0.1+	0.2+
911002	033	0.1+	0.0	970303	691	0.5+	0.0				

1991 RY₂₁ = 1979 FH₄ = 1996 XY₃₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	290.56218		(2000.0)	P		Q	
<i>n</i>	0.26314451	ω	127.82456	−0.64083344		+0.76560492	
<i>a</i>	2.4117919	Ω	102.22533	−0.72122354		−0.57525379	
<i>e</i>	0.1539184	<i>i</i>	3.30864	−0.26300020		−0.28797950	
<i>P</i>	3.75	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

790331	095	0.0	0.0	910916	675	0.2+	0.8−	961214	411	0.8−	0.5+
910912	675	0.2+	0.0	910917	675	0.6+	0.5+	961214	411	1.0+	0.3−
910912	675	0.2+	0.8−	910917	675	1.0−	1.1+	961216	411	0.1+	0.5−
910915	675	0.5+	0.0	961208	327	0.1+	0.4−	961216	411	0.1−	0.0
910915	675	1.0−	0.7+	961208	327	0.3−	0.6+				
910916	675	0.3+	0.7−	961208	327	0.0	0.2+				

1991 VE₄ = 1978 WD = 1981 QZ₁ = 1988 YX = 1994 PG₃₈Id. B. G. Marsden (*MPC* 24566), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Williams			
<i>M</i>	291.17279		(2000.0)	P		Q	
<i>n</i>	0.30251990	ω	205.57113	+0.99137963		+0.12284973	
<i>a</i>	2.1976916	Ω	147.27218	−0.10102343		+0.93808649	
<i>e</i>	0.1882948	<i>i</i>	4.83243	−0.08343079		+0.32388529	
<i>P</i>	3.26	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

781124	046	0.2+	0.7−	940810	809	(0.1−	2.8−)	960117	046	0.0	0.3+
781124	046	1.8+	0.2+	940811	809	0.5+	0.6+	960118	046	0.3−	0.3−
810830	688	0.5+	2.0−	940811	809	0.1+	0.5+	960118	046	0.1+	0.3+
810830	688	0.5−	2.3−	940811	809	0.6+	0.5+	960118	046	0.3−	0.1+
881230	046	0.1−	1.4−	941001	675	0.1−	0.9−	960212	327	0.5+	0.3+
881230	046	(5.5+	4.0−)	941001	675	0.3+	0.9−	960212	327	0.2+	0.5+
911104	894	(1.2+	2.4−)	951218	046	0.0	0.3+	960212	327	0.2+	0.8+
911104	894	0.7+	1.6+	951218	046	0.5+	0.1+	960215	691	1.5−	0.2−
911110	894	0.7−	0.3+	951218	046	0.2+	0.4+	960215	691	1.5−	0.1−
911110	894	1.0−	0.3+	951228	046	0.1−	0.4+	960215	691	1.4−	0.2−
911112	894	0.3−	0.8−	951228	046	0.7+	0.0	960215	566	1.4+	1.5−
911112	894	1.0−	1.3+	951228	046	0.5+	1.2−	960215	566	0.7−	2.6−
940810	809	(0.4+	2.6−)	960117	046	0.0	0.3+	960215	566	1.3+	1.4−
940810	809	(0.1−	2.6−)	960117	046	0.6−	0.5−				

1992 GQ = 1997 CM₂₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

				Nakano			
<i>M</i>	358.73349		(2000.0)	P		Q	
<i>n</i>	0.17860147	ω	67.64627	−0.96530913		−0.20677496	
<i>a</i>	3.1228134	Ω	100.13065	+0.13663256		−0.92037631	
<i>e</i>	0.1636352	<i>i</i>	9.32122	+0.22250804		−0.33189088	
<i>P</i>	5.52	<i>H</i>	12.4	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920328	400	1.1−	1.9−	920403	399	0.9−	0.5+	970202	399	0.2+	0.5−
920328	400	1.9−	0.9−	920407	399	1.7+	1.3+	970202	399	1.2+	0.7−
920331	400	0.9+	0.2+	920407	399	0.2+	0.5+	970210	399	0.7−	0.6+
920331	400	0.4+	0.7+	920502	399	0.3+	0.5+	970210	399	0.8−	0.9+
920403	399	0.8+	0.9−	920502	399	0.6−	0.0				

1992 SC₄ = 1996 WK

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	49.99149	(2000.0)	P	Q	
<i>n</i>	0.26867324	ω 11.56269	+0.51550814	-0.85644964	
<i>a</i>	2.3785910	Ω 47.41268	+0.78319018	+0.45800691	
<i>e</i>	0.1750414	<i>i</i> 2.12514	+0.34765573	+0.23816734	
<i>P</i>	3.67	<i>H</i> 17.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

920924 691	0.1-	0.3-	920926 691	0.2+	0.2+	961109 691	0.0	0.3-
920924 691	0.3-	0.4-	920926 691	0.1-	1.3+	961117 817	0.3+	0.2+
920924 691	0.2-	0.2-	920927 691	0.6-	0.2+	961117 817	0.3+	0.2+
920925 691	0.5+	0.0	920927 691	0.2-	0.1-	961118 817	0.3-	0.5-
920925 691	0.5+	0.3-	920927 691	0.0	0.0	961118 817	0.5-	0.7+
920925 691	0.1+	0.1+	961109 691	0.2+	0.3-			
920926 691	0.1+	0.4-	961109 691	0.1+	0.1-			

1992 SS₂₆ = 1959 SE = 1982 YF₁ = 1983 AP₃ = 1989 BB₂ = 1995 DB

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	346.73254	(2000.0)	P	Q	
<i>n</i>	0.18036887	ω 336.22073	+0.84970364	+0.52647719	
<i>a</i>	3.1023801	Ω 351.83036	-0.44550639	+0.68774135	
<i>e</i>	0.1088983	<i>i</i> 11.66476	-0.28200670	+0.49983358	
<i>P</i>	5.46	<i>H</i> 11.0	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

590929 024	0.3+	0.2-	920927 046	(2.1+	2.8-)	950221 411	0.1-	0.2+
821223 095	0.2-	1.8-	920927 046	0.5+	1.3+	950226 411	1.3+	1.1+
830114 095	1.5-	0.3-	920928 095	1.4+	1.0+	950226 411	1.0+	1.0+
890129 399	0.2+	1.3-	920928 095	(4.6+	4.1+)	950305 411	0.0	0.3+
890129 399	0.2-	1.0+	921020 095	0.6+	0.6-	950305 411	0.3+	0.2+
890129 399	1.7+	0.5-	921028 095	5.0-	1.8+	950311 411	0.4+	0.0
890129 399	(3.3+	1.4-)	950220 411	0.8-	0.2-	950311 411	0.3+	0.7-
920927 046	(4.1+	2.2-)	950220 411	1.7-	0.4+	950320 411	1.4+	0.2-
920927 046	0.8+	0.8-	950221 411	0.8-	0.9+	950320 411	0.1-	0.1+

1992 UH₁ = 1972 XRId. K. Ichikawa (*MPC* 23980)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	115.29355	(2000.0)	P	Q	
<i>n</i>	0.29424264	ω 61.49471	+0.46882194	-0.88329250	
<i>a</i>	2.2387159	Ω 0.54850	+0.78708554	+0.41745210	
<i>e</i>	0.1606205	<i>i</i> 3.56957	+0.40087696	+0.21337318	
<i>P</i>	3.35	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

721202 095	0.3-	0.6-	921026 400	0.7-	0.3+	970309 540	0.1-	0.1+
721206 095	0.4+	0.1+	921026 400	0.1+	0.7+	970309 540	0.3-	0.0
921019 400	(0.8+	2.9-)	970308 540	0.0	0.2-	970309 540	0.4-	0.3+
921019 400	0.6+	0.6+	970309 540	0.2-	0.2+	970309 540	0.2+	0.3+
921022 400	0.2-	0.7-	970309 540	0.4+	0.3-	970310 540	0.3+	0.1+
921022 400	0.1-	0.2-	970309 540	0.2-	0.1-	970310 540	0.5+	0.0

1993 FL₁₉ = 1994 PA₁₈Id. B. G. Marsden (*MPC* 24393)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	288.08331	(2000.0)	P	Q	
<i>n</i>	0.23123125	ω 108.64121	+0.01864128	+0.99808331	
<i>a</i>	2.6288857	Ω 162.11618	-0.97441027	+0.03135879	
<i>e</i>	0.1316134	<i>i</i> 11.07892	-0.22400251	-0.05335107	
<i>P</i>	4.26	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 3	

Residuals in seconds of arc

930317 809	0.0	0.0	940812 809	(3.2+	2.4-)	940906 809	1.1+	1.8+
930318 809	0.0	0.1+	940812 809	(3.3+	3.0-)	940906 809	(2.0+	2.9+)
930323 809	0.2+	0.7+	940812 809	(2.5+	4.2-)	940906 809	(2.8+	2.9+)
940810 809	0.5-	0.8-	940904 809	(1.4+	2.5+)	970212 608	0.5-	0.3+
940810 809	(2.0-	2.0-)	940904 809	0.1-	1.9+	970212 608	0.3-	0.4+
940810 809	(3.4-	2.7-)	940904 809	1.4-	1.1+	970213 608	1.4+	1.2+
940811 809	0.6-	0.9-	940905 809	1.6+	1.0+	970213 608	0.0	0.6+
940811 809	0.4-	0.5-	940905 809	0.1-	0.3+			
940811 809	0.9-	1.2-	940905 809	0.7+	0.1+			

1993 FZ₂₁ = 1997 EE₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	47.19527	(2000.0)	P	Q	
<i>n</i>	0.24058392	ω 143.29567	-0.81690040	-0.57677709	
<i>a</i>	2.5603047	Ω 1.48224	+0.51563790	-0.73137965	
<i>e</i>	0.1017492	<i>i</i> 3.06957	+0.25844010	-0.36388459	
<i>P</i>	4.10	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

930321 809	0.2-	0.3+	970302 691	0.1-	0.1-	970307 691	0.1-	0.1-
930322 809	0.8+	0.0	970302 691	0.2-	0.1-	970314 691	0.0	0.1+
930326 809	0.6-	0.1+	970302 691	0.1-	0.1-	970314 691	0.1+	0.1+
930327 809	0.4+	0.1-	970307 691	0.1+	0.1-	970314 691	0.0	0.2+
930416 413	0.4-	0.2-	970307 691	0.2+	0.1+			

1993 FN₂₈ = 1997 BB₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	9.29000	(2000.0)	P	Q	
<i>n</i>	0.23726251	ω 197.31474	-0.99822105	-0.05435242	
<i>a</i>	2.5841435	Ω 339.52248	+0.05954145	-0.88746735	
<i>e</i>	0.2171212	<i>i</i> 4.01685	+0.00309105	-0.45765436	
<i>P</i>	4.15	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

930321 809	0.9-	0.3+	970131 098	0.5+	0.0	970207 098	0.8+	0.6-
930322 809	0.8+	0.0	970206 691	1.1-	0.1+	970208 098	0.3+	0.0
930326 809	1.5+	0.4+	970206 691	0.9-	0.1-	970208 098	0.1+	0.0
930417 413	1.2-	0.5-	970206 691	1.3-	0.4-			
970131 098	0.6-	1.9+	970207 098	2.2+	1.2-			

1993 FZ₄₁ = 1997 ES₁₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	41.72509	(2000.0)	P	Q	
<i>n</i>	0.23515598	ω 129.09687	-0.71731364	-0.69613213	
<i>a</i>	2.5995531	Ω 6.96672	+0.54091492	-0.58293284	
<i>e</i>	0.1111384	<i>i</i> 14.00137	+0.43917217	-0.41903384	
<i>P</i>	4.19	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 5	

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Residuals in seconds of arc

930319	809	0.9−	0.1+	970307	587	0.7−	0.1−	970310	587	0.0	0.2−
930320	809	0.2−	0.1+	970308	587	0.0	0.7+	970310	587	0.4+	0.4−
930324	809	1.0+	0.1−	970309	587	0.2−	0.2−	970312	587	0.3+	0.7−
970307	587	0.2−	0.1+	970309	587	0.5+	0.5+	970312	587	0.1+	0.4+

1993 FE₅₉ = 1938 UA₁ = 1946 UA = 1950 TV₂ = 1997 EF₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	213.46624		(2000.0)	P	Q
<i>n</i>	0.24425346	ω	351.19590	+0.99127261	+0.13176861
<i>a</i>	2.5345969	Ω	1.25291	−0.10723732	+0.82345395
<i>e</i>	0.3102334	<i>i</i>	10.42285	−0.07667315	+0.55187011
<i>P</i>	4.04	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

381022	062	0.0	1.1+	930418	691	0.5−	1.2−	970309	691	0.3−	0.2−
461019	062	0.1−	0.5−	930418	691	0.4−	0.3−	970309	691	0.4−	0.0
461019	062	0.7−	0.2−	970302	691	0.0	0.2−	970309	691	0.3−	0.1−
501013	760	1.6+	1.2−	970302	691	0.5+	0.1−	970314	691	0.1+	0.2−
930319	809	0.6+	0.4+	970302	691	0.3+	0.2−	970314	691	0.1+	0.3−
930320	809	1.4+	1.2+	970307	691	0.1−	0.1+	970314	691	0.0	0.4−
930417	413	1.1−	1.0+	970307	691	0.5−	0.2−				
930418	691	0.5−	0.3−	970307	691	0.3−	0.5−				

1993 KH

Id. D. D. Balam (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	261.87638		(2000.0)	P	Q
<i>n</i>	0.71916445	ω	293.59517	+0.96003005	+0.21387964
<i>a</i>	1.2338165	Ω	54.53036	−0.09583850	+0.85724908
<i>e</i>	0.3111319	<i>i</i>	12.80825	−0.26297773	+0.46837967
<i>P</i>	1.37	<i>H</i>	19.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

930524	413	1.7+	0.8−	930530	691	0.8−	0.6+	940105	691	1.2+	0.6+
930524	413	0.7+	1.4−	930530	691	1.0−	0.5+	940105	691	1.0+	0.4+
930526	413	0.9+	0.4+	930701	413	0.2+	0.1+	940105	691	1.1+	0.5+
930526	413	0.6+	0.0	930701	413	0.3+	0.6+	970223	658	0.7−	1.5−
930528	691	0.5−	0.1+	930730	413	0.1+	1.1−	970223	658	0.2−	0.8−
930528	691	0.5−	0.6+	930731	413	0.9−	0.9−	970223	658	0.8−	1.0−
930528	691	0.7−	0.8+	930731	413	0.3−	0.8−	970303	691	0.7−	0.3−
930528	413	1.1+	0.4+	931221	658	0.6−	0.7+	970303	691	0.5−	0.2−
930528	413	0.1−	0.7+	931221	658	0.7−	0.3+	970303	691	0.3−	0.4−
930530	691	1.2−	0.6+	931221	658	0.7−	0.3+				

1993 OH₅ = 1997 CZ₁₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	286.74331		(2000.0)	P	Q
<i>n</i>	0.17891234	ω	113.39397	−0.24007019	+0.97071195
<i>a</i>	3.1191949	Ω	142.71156	−0.89610205	−0.21795432
<i>e</i>	0.1113827	<i>i</i>	0.86996	−0.37331946	−0.10106544
<i>P</i>	5.51	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

930713	809	(2.5+	0.3+)	930720	809	0.5−	1.0+	970214	327	0.1+	0.1+
930713	809	1.2+	0.0	930724	809	1.4+	0.4−	970214	327	0.9+	0.2+
930713	809	1.2+	0.5+	970206	691	0.1+	0.3−	970214	327	0.4+	0.1−

930719	691	1.2−	1.2−	970206	691	0.0	0.2−	970216	691	0.0	0.6−
930719	691	1.2−	1.2−	970206	691	0.2−	0.0	970216	691	0.4+	0.3+
930719	691	1.2−	1.1−	970210	691	0.7−	0.2+	970216	691	0.4+	0.3+
930720	809	0.4+	0.9+	970210	691	0.8−	0.1−				
930720	809	0.1−	1.6+	970210	691	0.6−	0.0				

1994 JF

Id. M. Akiyama (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	1.12683		(2000.0)	P	Q
<i>n</i>	0.28676237	ω	17.79694	−0.99671297	+0.07923848
<i>a</i>	2.2774802	Ω	166.71393	−0.08034590	−0.94014591
<i>e</i>	0.1026404	<i>i</i>	4.20920	−0.01038270	−0.33143164
<i>P</i>	3.44	<i>H</i>	14.3	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

940506	411	0.9−	0.3+	940512	411	0.5+	0.4+	940516	411	0.1+	0.5−
940506	411	0.2+	0.1−	940512	411	0.9−	0.0	970214	886	0.7+	0.8−
940508	411	0.9+	0.1+	940512	411	0.9−	0.2+	970214	886	0.2−	0.4+
940508	411	0.2+	0.2+	940516	411	0.2−	0.9−	970301	886	0.0	0.6−
940508	411	0.6+	0.5+	940516	411	0.4+	0.0	970301	886	0.5−	0.9+

1994 JE₉ = 1997 AP₂₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	253.52764		(2000.0)	P	Q
<i>n</i>	0.25671133	ω	149.56356	−0.02467937	+0.99437545
<i>a</i>	2.4519185	Ω	118.84584	−0.93926755	+0.01221291
<i>e</i>	0.1116017	<i>i</i>	6.75287	−0.34229725	−0.10520607
<i>P</i>	3.84	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

940515	675	0.7+	0.2+	961218	327	0.7+	0.8+	970118	327	0.1−	0.5−
940515	675	0.4−	0.5+	970109	691	0.8−	0.0	970118	327	0.5+	0.6−
940516	675	1.0+	0.0	970109	691	1.0−	0.4−	970127	327	0.3+	0.7+
940516	675	0.1+	0.4+	970109	691	0.8−	0.2−	970127	327	1.1−	0.8+
940607	675	1.0+	0.2−	970111	327	0.8+	0.0	970127	327	0.3−	0.7+
940607	675	2.5−	1.1−	970111	327	0.4−	0.1−	970206	327	0.2−	0.3−
961218	327	0.4+	0.8−	970111	327	0.2+	0.2−	970206	327	0.5+	0.1+
961218	327	0.1−	0.4+	970118	327	0.9+	0.4−	970206	327	0.4+	0.1−

1994 OB = 1990 KS₂

Id. T. Urata (1997 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	286.50531		(2000.0)	P	Q
<i>n</i>	0.26577653	ω	178.71690	+0.41355937	+0.90902211
<i>a</i>	2.3958427	Ω	115.70966	−0.83585430	+0.40146378
<i>e</i>	0.2346655	<i>i</i>	3.27376	−0.36099342	+0.11182858
<i>P</i>	3.71	<i>H</i>	13.8	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

900517	095	0.3−	0.7−	940803	905	0.4−	0.2+	970303	385	0.3+	1.1+
900517	095	0.1+	0.4−	940829	905	0.1−	1.3−	970303	385	0.2+	0.5−
940731	905	0.5+	0.3+	940829	905	0.0	0.5+	970309	385	0.2+	0.6+
940731	905	1.3−	0.3+	940925	905	0.2+	0.2+	970309	385	0.3+	1.0+
940803	905	0.7+	0.7+	940925	905	0.1+	0.7+				

1994 PL₉ = 1997 AW₂₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	136.55818		(2000.0)	P	Q
<i>n</i>	0.17439425	ω	48.24872	+0.92894526	-0.36123805
<i>a</i>	3.1728383	Ω	332.63322	+0.26519102	+0.80202267
<i>e</i>	0.0822229	<i>i</i>	10.15424	+0.25833008	+0.47567500
<i>P</i>	5.65	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

940810 809	0.2+	0.7+	940903 809	1.2+	0.0	970118 327	0.3+	0.6+
940810 809	0.5-	0.2+	940904 809	0.1+	0.1+	970118 327	0.6+	0.5+
940810 809	0.6-	0.5+	940904 809	0.4-	0.2-	970201 327	0.1-	0.6-
940811 809	0.5-	1.9-	940904 809	0.9-	0.2+	970201 327	1.0-	0.2-
940811 809	0.0	0.8-	970112 327	(3.2+	0.5+)	970201 327	0.1-	0.4-
940811 809	0.3-	0.7-	970112 327	(3.4+	0.7+)	970206 327	1.2-	0.2-
940903 809	1.2+	0.2+	970112 327	1.6+	0.7-	970206 327	1.0-	0.2-
940903 809	1.0+	0.8+	970118 327	1.6+	0.6+	970206 327	0.9-	0.2-

1994 PN₁₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	131.23798		(2000.0)	P	Q
<i>n</i>	0.17459796	ω	78.15886	+0.73545552	-0.67749348
<i>a</i>	3.1703699	Ω	324.48774	+0.61449649	+0.67336738
<i>e</i>	0.2108688	<i>i</i>	1.02399	+0.28548072	+0.29593743
<i>P</i>	5.65	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

940810 809	(3.1-	4.1-)	940904 809	0.1-	1.1-	951227 411	0.6-	0.1-
940810 809	(4.0-	4.4-)	940904 809	0.2-	1.6-	970302 691	0.8-	1.5-
940810 809	(5.2-	4.9-)	940904 809	0.3-	1.8-	970302 691	0.7-	1.2-
940811 809	(3.4-	2.7-)	951221 566	0.2+	0.4-	970302 691	0.9-	1.0-
940811 809	(2.3-	3.1-)	951221 566	0.5+	0.5-	970309 691	0.6-	1.7-
940811 809	(2.9-	2.7-)	951221 566	0.2+	0.1+	970309 691	0.4-	1.4-
940903 809	1.5+	0.8-	951226 411	0.4-	0.7-	970309 691	0.2-	1.3-
940903 809	1.4+	1.2-	951226 411	0.3+	0.1-			
940903 809	1.0+	1.5-	951227 411	0.6-	1.3-			

1994 PK₂₀ = 1994 RJ₂₀ = 1997 EZ

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	48.98061		(2000.0)	P	Q
<i>n</i>	0.20646937	ω	331.87953	-0.78251287	-0.62260086
<i>a</i>	2.8350820	Ω	169.60668	+0.57776319	-0.72995024
<i>e</i>	0.0295606	<i>i</i>	2.05333	+0.23208468	-0.28202982
<i>P</i>	4.77	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

940812 809	0.1+	0.8+	970119 327	0.4-	0.5+	970304 120	0.0	0.2-
940812 809	0.6+	0.6+	970119 327	0.7+	0.2-	970304 120	0.7-	0.3+
940812 809	1.0-	1.1+	970119 327	0.0	0.5+	970304 120	0.4+	0.1+
940813 809	1.0+	1.5-	970303 120	0.0	0.1-	970306 120	0.4-	0.1-
940813 809	0.2+	1.2-	970303 120	0.1-	0.1+	970306 120	0.1-	0.3-
940813 809	0.3+	1.3-	970303 120	0.4+	0.2+	970306 120	0.4+	0.5-
940905 809	0.8+	0.7-	970303 120	0.1-	0.3+	970306 120	0.3+	0.2-
940905 809	0.2+	0.6-	970304 120	0.5-	0.5+	970308 120	0.1+	0.0
940905 809	0.1-	0.3-	970304 120	0.1-	0.3-	970308 120	(2.2+	0.4+)
940906 809	1.6-	1.4+	970304 120	0.6-	0.0	970308 120	1.1+	0.3+

940906 809	0.6-	1.5+	970304 120	0.2+	0.8+	970308 120	0.3+	0.1-
940906 809	0.3-	1.4+	970304 120	0.4-	0.2-			

1994 PW₃₁ = 1990 OWId. G. V. Williams (*MPC* 24749)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	325.37962		(2000.0)	P	Q
<i>n</i>	0.25747805	ω	78.16253	-0.27896683	+0.96024390
<i>a</i>	2.4470485	Ω	175.59720	-0.92552648	-0.26594773
<i>e</i>	0.1659735	<i>i</i>	7.82203	-0.25608251	-0.08487318
<i>P</i>	3.83	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

900719 675	0.7+	1.5-	940903 809	1.1-	0.3+	940906 809	0.2-	0.2-
900719 675	0.3-	1.9-	940903 809	1.9-	0.3-	940906 809	0.1-	0.5-
900722 675	0.3+	0.9+	940903 809	1.6-	0.1+	970310 691	0.3+	0.6+
900722 675	0.2-	0.0	940904 809	0.4+	1.0+	970310 691	0.1+	0.7+
940812 809	1.3+	1.0+	940904 809	0.3+	0.7+	970310 691	0.0	0.7+
940812 809	1.1+	1.9+	940904 809	0.5+	0.9+	970313 691	0.0	0.0
940812 809	1.0+	1.1+	940905 809	0.2-	1.1-	970313 691	0.1-	0.1+
940813 809	0.4+	1.2+	940905 809	0.7-	1.3-	970313 691	0.3+	0.3+
940813 809	0.8+	1.3+	940905 809	1.3-	1.9-			
940813 809	0.2+	0.9+	940906 809	0.4+	0.5-			

1994 UK₁ = 1997 EY₁₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	267.73675		(2000.0)	P	Q
<i>n</i>	0.21608498	ω	294.28738	+0.55278120	+0.83318227
<i>a</i>	2.7503397	Ω	9.31727	-0.72564795	+0.49041497
<i>e</i>	0.2859112	<i>i</i>	5.49362	-0.40971696	+0.25553953
<i>P</i>	4.56	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

941025 399	1.1+	1.0+	941107 399	3.0-	1.5-	970303 400	0.9+	0.8+
941025 399	0.6+	0.7+	941107 399	0.6+	1.1+	970303 400	0.4-	0.1-
941026 399	1.0-	0.9-	941110 399	1.4+	0.1-	970304 400	0.4+	0.6-
941026 399	0.4-	0.8-	941110 399	0.8+	0.5+	970304 400	0.9-	0.2-

1995 FA₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	210.08808		(2000.0)	P	Q
<i>n</i>	0.31030098	ω	29.47981	-0.39099549	+0.92022889
<i>a</i>	2.1607969	Ω	217.51131	-0.84992594	-0.36823348
<i>e</i>	0.1283870	<i>i</i>	1.63356	-0.35319742	-0.13260052
<i>P</i>	3.18	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

950331 809	0.2+	1.0-	950406 809	0.8-	1.7-	950728 809	0.1+	0.2-
950331 809	0.9+	4.0+	950406 809	0.9-	1.6-	950728 809	0.1-	0.3-
950401 809	0.4+	0.0	950406 809	1.0-	1.5-	960903 809	0.2-	0.6+
950401 809	0.5+	0.0	950423 658	0.8+	1.1+	960903 809	0.4+	0.2+
950401 809	0.4+	0.0	950423 658	0.4-	1.4+	960903 809	0.5+	0.1+
950401 809	0.4+	0.0	950423 658	0.3-	0.7+	960903 809	0.6+	0.2+
950402 809	0.4+	0.3-	950507 809	0.3-	0.4+	961007 691	0.4-	0.2+
950402 809	0.3+	0.4-	950507 809	0.4-	0.4+	961007 691	0.4-	0.1+
950402 809	0.3+	0.4-	950728 809	0.1-	0.1-	961007 691	0.6-	0.0

1997 MAR. 24

M.P.C. 29303

1995 SP

Id. P. Pravec (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	145.23414	ω	37.71042	+0.62987532	−0.77580478		
<i>a</i>	0.27840910	Ω	13.38430	+0.66777075	+0.51645690		
<i>e</i>	2.3228104	<i>i</i>	9.24840	+0.39666019	+0.36249030		
<i>P</i>	0.1901272	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

950918 557	0.4+	0.3−	951004 557	0.5+	0.2+	951026 557	0.1+	0.3+
950918 557	0.4+	0.1−	951004 557	0.1−	0.1+	951118 557	0.4+	0.0
950918 557	0.6+	0.2−	951020 010	(3.6+	2.8+)	951118 557	0.3+	0.0
950918 691	0.8−	0.2+	951020 010	(3.4+	3.0+)	960122 557	0.8−	0.2−
950918 691	0.7−	0.1+	951020 010	(2.8+	2.6+)	960122 557	0.2+	0.1−
950918 691	1.9−	0.1−	951021 557	0.1+	0.3+	960122 557	0.2+	0.4−
950919 557	0.6+	0.3−	951021 557	0.1+	0.3+	960122 557	0.2+	0.7−
950919 557	0.6+	0.1−	951023 010	(2.2+	3.7+)	970203 557	0.5−	0.6−
950919 557	0.5+	0.3−	951023 010	(1.9+	4.0+)	970203 557	0.2+	0.1−
950922 557	0.8+	0.5−	951023 010	(1.5+	4.4+)	970203 557	0.1−	0.1+
950922 557	0.8+	0.3−	951024 557	0.2+	0.5+	970301 557	0.7+	0.5+
950925 691	0.6−	1.0−	951025 557	0.0	0.4+	970301 557	0.4−	0.2−
950925 691	0.8−	0.2−	951025 557	0.1+	0.5+	970305 557	0.3+	0.2+
951001 691	0.9−	0.1−	951026 557	0.4+	0.4+	970305 557	0.0	0.3+
951001 691	0.2−	0.1+	951026 557	0.1−	0.4+			
951001 691	0.7−	0.2+	951026 557	0.0	0.4+			

1995 SZ₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	140.19138	ω	121.00549	+0.66814892	−0.74266543		
<i>a</i>	0.27776290	Ω	287.00019	+0.66558445	+0.62364297		
<i>e</i>	2.3264116	<i>i</i>	2.69717	+0.33252723	+0.24396211		
<i>P</i>	0.1481858	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

950925 046	0.3+	1.1+	951005 046	0.3−	0.7−	951111 046	0.0	0.5+
950925 046	0.4+	0.8+	951005 046	0.2−	0.7−	951111 046	0.1+	0.6+
950925 046	0.6+	0.8+	951005 046	0.3−	0.8−	951126 046	0.2−	0.2+
950925 046	0.4+	0.6+	951005 046	0.2−	0.4−	951126 046	0.4+	0.1+
950925 046	0.4+	0.8+	951005 046	0.2−	0.2−	951126 046	0.3−	0.1−
950925 046	0.3+	1.2+	951005 046	0.2−	0.2−	951217 046	0.1+	0.3−
950926 046	0.5+	0.8−	951012 046	0.2+	0.5−	951217 046	0.0	0.2−
950926 046	0.6−	0.2−	951012 046	0.0	0.5−	951217 046	0.4−	0.0
950926 046	0.3+	0.4−	951012 046	0.0	0.7−	970305 046	0.3+	0.1−
950926 046	0.2−	0.1−	951021 046	0.3+	0.0	970305 046	0.2+	0.4−
950926 046	0.0	0.6−	951021 046	0.4+	0.1−	970305 046	0.9+	0.0
950928 046	0.5−	0.3−	951021 046	0.4+	0.0	970311 046	1.5−	0.1−
950928 046	0.6−	0.3−	951110 046	0.2+	0.3+	970311 046	0.1−	0.1+
951003 046	0.6−	0.1+	951110 046	0.4+	0.4+	970311 046	0.0	0.0
951003 046	0.5−	0.2−	951110 046	0.4+	0.4+			
951003 046	0.6−	0.1−	951111 046	0.0	0.4+			

1995 SA₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	82.52118	ω	253.03051	+0.07943270	−0.99657745		
<i>a</i>	0.22288725	Ω	192.48035	+0.95014247	+0.08263668		
<i>e</i>	2.6940929	<i>i</i>	6.07953	+0.30152899	+0.00213649		
<i>P</i>	0.2324976	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

950926 046	1.0+	0.0	951003 046	0.4−	0.0	951110 046	0.3+	0.6−
950926 046	0.9+	0.4+	951003 046	0.2+	0.0	951110 046	0.2−	0.1−
950926 046	0.1−	0.8+	951004 046	0.1+	0.2+	951126 046	0.2−	0.3−
950926 046	1.8−	1.1−	951004 046	0.2+	0.5−	951126 046	0.1+	0.6−
950926 046	0.2+	0.9−	951004 046	0.2−	0.4+	951126 046	0.1−	0.9−
950926 046	0.0	0.1−	951005 046	0.3−	0.8+	951217 046	0.5−	0.8+
950926 046	0.0	0.4−	951005 046	0.2+	0.3+	951217 046	0.0	1.0+
950926 046	0.7−	0.3−	951005 046	0.4+	0.2−	951217 046	0.1+	0.9+
950928 046	0.5+	0.3−	951012 046	0.7+	0.6+	970306 046	0.2+	0.6+
950928 046	0.2−	0.1+	951012 046	0.5+	0.0	970306 046	0.1−	1.0+
950928 046	0.4−	0.5−	951012 046	0.0	0.6−	970306 046	0.1+	0.2+
950929 046	0.8−	0.6+	951021 046	0.5+	0.1+	970311 046	0.1−	0.8−
950929 046	0.2−	1.1+	951021 046	0.8+	0.2+	970311 046	0.4−	0.8−
950929 046	0.4+	0.3−	951021 046	0.8−	0.1−	970311 046	0.1+	1.0−
951003 046	0.2−	0.0	951110 046	0.1−	0.9−			

1995 UB₁ = 1997 DN

Id. K. Korlević

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	350.02178	ω	283.10672	−0.95974723	−0.24822637		
<i>a</i>	0.19117526	Ω	242.65176	+0.27850898	−0.90157873		
<i>e</i>	2.9843397	<i>i</i>	8.50798	−0.03630436	−0.35431548		
<i>P</i>	0.0205535	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951021 120	0.4−	0.1+	951025 033	0.0	0.9−	970227 120	0.1−	0.2−
951021 120	0.4−	0.4+	951025 033	0.3−	0.7−	970227 120	0.1−	0.4−
951022 120	0.7+	0.4+	951120 120	0.3−	0.2−	970227 120	0.5+	0.5−
951022 120	0.8+	0.3+	951120 120	0.2+	0.5−	970228 120	0.4+	0.2−
951023 120	0.7−	0.7+	961210 327	0.4+	0.4+	970228 120	1.1−	0.9+
951024 120	0.1+	0.4+	961210 327	0.7−	0.2+	970228 120	0.6+	0.3+
951024 120	0.3+	0.5−	961210 327	0.0	0.3−	970228 120	0.2+	0.0
951024 120	0.2+	0.4+	970227 120	0.2−	0.3−			

1995 UY₁ = 1997 EZ₂₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	53.13841	ω	158.25979	−0.50752360	−0.86018152		
<i>a</i>	0.22790571	Ω	322.18879	+0.77801525	−0.43251805		
<i>e</i>	2.6543972	<i>i</i>	4.68519	+0.37028647	−0.27021452		
<i>P</i>	0.0646000	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

951020 552	0.0	0.6−	951025 552	0.4+	0.5+	970304 691	0.1+	0.4+
951020 552	0.2+	0.2−	951025 552	0.1+	1.0+	970304 691	0.1−	0.3−
951020 552	0.3+	0.8−	951118 552	0.2+	0.2−	970311 691	0.2+	0.0

M.P.C. 29304

951023	552	0.3−	0.5+	951118	552	0.6−	0.8−	970311	691	0.1+	0.0
951023	552	0.6−	0.3−	951118	552	0.4+	0.5+	970311	691	0.4−	0.2−
951023	552	0.1−	0.3+	970304	691	0.1+	0.1+				

1995 UJ₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	168.22899		(2000.0)		P	Williams	Q	
<i>n</i>	0.27062421	<i>ω</i>	3.37469	+0.96317882			−0.26857545	
<i>a</i>	2.3671455	<i>Ω</i>	12.22641	+0.24528427			+0.85889102	
<i>e</i>	0.2184388	<i>i</i>	3.35705	+0.11010081			+0.43608881	
<i>P</i>	3.64	<i>H</i>	14.5	<i>G</i>	0.15		<i>U</i>	3

Residuals in seconds of arc

950921	033	0.0	0.3+	951026	046	0.1+	0.1−	951209	046	0.2−	0.3−
950923	033	0.5−	0.1−	951026	046	0.1+	0.1−	960111	046	0.4−	0.1+
950924	033	0.2+	0.0	951027	046	0.2+	0.2−	960111	046	0.1−	0.2+
951023	046	0.4+	1.0−	951027	046	0.1−	0.1−	960111	046	0.7+	0.2−
951023	046	0.1−	0.1−	951027	046	0.3+	0.0	960113	046	0.5+	0.1−
951024	046	0.5−	0.4+	951111	046	0.1+	0.2+	960113	046	0.3−	0.0
951024	046	0.1+	0.0	951111	046	0.0	0.2+	960113	046	0.1−	0.6+
951024	046	0.1+	0.0	951111	046	0.1−	0.4+	970306	046	0.1+	0.5−
951024	046	0.2+	0.0	951121	046	0.3−	0.1−	970306	046	0.5−	0.4−
951025	046	0.3+	0.0	951121	046	0.4−	0.0	970306	046	0.5−	0.1+
951025	046	0.3+	0.1+	951121	046	0.2−	0.1+	970310	046	0.6+	0.2+
951025	046	0.3+	0.0	951209	046	0.3−	0.0	970310	046	0.2−	0.3+
951026	046	0.0	0.2−	951209	046	0.3−	0.2+	970310	046	0.3+	0.2−

1995 UW₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	150.74821		(2000.0)		P	Williams	Q	
<i>n</i>	0.25846553	<i>ω</i>	130.95585	+0.84742489			−0.53029540	
<i>a</i>	2.4408118	<i>Ω</i>	261.08432	+0.47897377			+0.78446566	
<i>e</i>	0.1955249	<i>i</i>	1.48769	+0.22903097			+0.32155935	
<i>P</i>	3.81	<i>H</i>	15.0	<i>G</i>	0.15		<i>U</i>	4

Residuals in seconds of arc

951024	046	1.0−	0.0	951111	046	0.1+	0.1−	960116	046	1.0+	0.7−
951024	046	0.7−	0.2−	951111	046	0.1+	0.3−	960117	046	0.1−	0.3+
951024	046	0.4−	0.4+	951111	046	0.2+	0.3−	960117	046	0.6−	0.6+
951024	046	0.2+	0.2+	951121	046	0.5+	0.3+	960117	046	0.1−	0.7+
951024	046	0.1+	0.0	951121	046	0.1−	0.1−	970306	046	0.8+	0.7+
951024	046	0.2+	0.2+	951121	046	0.1+	0.4+	970306	046	1.3+	0.0
951025	046	0.1+	0.4+	951125	046	0.1+	0.1−	970306	046	0.4+	0.0
951025	046	0.0	0.6+	951125	046	0.1−	0.2−	970306	046	0.8+	0.1+
951025	046	0.3+	0.1+	951125	046	0.1−	0.1−	970310	046	0.1+	0.2−
951025	046	0.0	0.1+	951209	046	0.1−	0.1+	970310	046	0.9−	0.5−
951025	046	0.1+	0.1−	951209	046	0.0	0.1+	970310	046	1.0−	0.1−
951026	046	0.0	0.5−	951209	046	0.0	0.0	970310	046	1.2−	0.3−
951026	046	0.2+	0.5−	960116	046	0.2−	0.2−	970311	046	0.4−	0.1+
951026	046	0.2+	0.6−	960116	046	0.1−	0.5−				

1997 MAR. 24

1995 UX₂ = 1997 DD

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	315.68790		(2000.0)		P	Williams	Q	
<i>n</i>	0.19189693	<i>ω</i>	218.64152	−0.36301492			+0.92610314	
<i>a</i>	2.9768529	<i>Ω</i>	30.47613	−0.79667086			−0.25130504	
<i>e</i>	0.1227501	<i>i</i>	11.68604	−0.48325532			−0.28138719	
<i>P</i>	5.14	<i>H</i>	13.5	<i>G</i>	0.15		<i>U</i>	4

Residuals in seconds of arc

951023	327	0.6+	0.5−	951205	327	0.0	0.2+	970216	327	0.6+	0.2−
951023	327	0.1+	0.4+	951205	327	1.0−	0.0	970220	327	0.4−	0.4+
951023	327	0.2+	0.4+	951226	327	0.1+	0.1+	970220	327	0.5+	0.8−
951024	327	0.5−	0.2+	951226	327	0.6+	0.6+	970220	327	0.6−	0.3−
951024	327	0.2−	0.6−	951226	327	0.0	0.3+	970302	327	0.7+	0.6+
951024	327	0.5+	0.4−	970216	327	1.0−	0.1−	970302	327	0.3−	0.5+
951205	327	0.3−	0.7−	970216	327	0.2−	0.1−	970302	327	0.6+	0.0

1995 UG₆ = 1997 EB₂₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	157.34757		(2000.0)		P	Williams	Q	
<i>n</i>	0.24637355	<i>ω</i>	14.95294	+0.92185231			−0.38748681	
<i>a</i>	2.5200355	<i>Ω</i>	7.85457	+0.35050001			+0.82646513	
<i>e</i>	0.1673756	<i>i</i>	2.72734	+0.16534225			+0.40842301	
<i>P</i>	4.00	<i>H</i>	14.5	<i>G</i>	0.15		<i>U</i>	5

Residuals in seconds of arc

951027	411	0.9+	0.1+	951111	411	0.3+	0.4−	970311	540	0.3+	0.0
951027	411	0.0	0.2+	951118	411	0.5+	0.2+	970311	540	0.6−	0.2−
951029	411	0.2−	0.5−	951118	411	0.0	0.1+	970311	540	0.2+	0.2+
951029	411	0.7−	0.4+	970310	540	0.9−	0.0	970312	540	1.1+	0.9−
951102	411	0.0	0.1−	970310	540	0.2−	0.1−	970312	540	1.7−	1.2+
951102	411	0.0	0.2+	970310	540	0.8+	0.1+				
951111	411	0.7−	0.2−	970311	540	0.9+	0.3−				

1995 UP₈ = 1997 BJ₉

Id. S. Nakano, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	269.71061		(2000.0)		P	Williams	Q	
<i>n</i>	0.28996350	<i>ω</i>	291.10296	+0.28154643			+0.95953523	
<i>a</i>	2.2606873	<i>Ω</i>	355.24158	−0.85712639			+0.24920779	
<i>e</i>	0.1382141	<i>i</i>	3.36831	−0.43135363			+0.13110158	
<i>P</i>	3.40	<i>H</i>	14.5	<i>G</i>	0.15		<i>U</i>	5

Residuals in seconds of arc

951030	358	0.5−	0.8−	951112	358	(0.4+	2.4+)	970208	098	0.2+	1.0+
951030	358	1.3−	1.1−	951121	358	1.3+	1.0+	970208	098	0.9+	0.0
951101	358	(2.3+	0.1+)	951121	358	1.0−	0.9−	970301	358	(2.9−	0.6+)
951101	358	0.4+	1.1+	970131	098	0.1+	0.6+	970301	358	0.5−	0.1−
951103	358	0.7−	1.0+	970131	098	(2.9+	1.2−)	970303	358	0.1−	0.7+
951103	358	1.9+	0.3−	970207	098	0.3−	1.7−	970303	358	(2.9+	0.4−)
951112	358	(2.0−	2.4−)	970207	098	0.2−	0.4−				

1997 MAR. 24

M.P.C. 29305

1995 UM₁₆ = 1997 EL₁₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Williams		Q	
<i>M</i>	121.59211			<i>P</i>		<i>Q</i>	
<i>n</i>	0.21283908	ω	228.41346	+0.66753485		-0.74457846	
<i>a</i>	2.7782317	Ω	179.70861	+0.70373565		+0.63074860	
<i>e</i>	0.0693441	<i>i</i>	4.35410	+0.24321466		+0.21853861	
<i>P</i>	4.63	<i>H</i>	16.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

951017 691	0.3+	0.0	951028 691	0.1-	0.1+	970310 691	0.1-	0.1-
951017 691	0.1+	0.1-	951028 691	0.3-	0.0	970310 691	0.1+	0.2-
951017 691	0.2-	0.2-	951028 691	0.1-	0.0	970310 691	0.0	0.4-
951023 691	0.1+	0.2+	970303 691	0.0	0.2-			
951023 691	0.2+	0.1-	970303 691	0.0	0.9+			

1995 VG₂

Id. T. Urata (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Urata		Q	
<i>M</i>	224.08868			<i>P</i>		<i>Q</i>	
<i>n</i>	0.27974598	ω	303.85095	+0.87467762		+0.48053225	
<i>a</i>	2.3154042	Ω	27.58777	-0.38700344		+0.77119155	
<i>e</i>	0.1407134	<i>i</i>	7.87671	-0.29183453		+0.41755520	
<i>P</i>	3.52	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951112 905	0.0	0.1+	951201 385	0.3-	0.1+	970214 385	0.2+	0.2+
951112 905	0.5+	0.1-	951215 905	0.0	0.2-	970214 385	0.3+	0.4+
951116 905	0.7+	0.1-	960113 385	0.2+	0.2+	970218 385	0.9+	1.3+
951116 905	0.5-	0.4-	960113 385	0.5+	0.3+	970218 385	0.5-	0.3+
951124 905	0.4-	0.1+	960113 385	0.2-	0.2+	970305 385	0.5-	0.9-
951124 905	0.3+	0.3-	960221 887	0.6+	0.2-	970305 385	0.4-	0.4-
951201 385	0.1+	0.3+	960221 887	0.5-	0.4-	970309 385	0.2-	0.6-
951201 385	0.6-	0.0	960221 887	0.4-	0.4+	970309 385	0.2+	0.4-

1995 WM₂

Id. L. Lai (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Marsden		Q	
<i>M</i>	100.81177			<i>P</i>		<i>Q</i>	
<i>n</i>	0.19608394	ω	170.45992	+0.77138369		-0.60498122	
<i>a</i>	2.9343238	Ω	228.66600	+0.56515696		+0.79385275	
<i>e</i>	0.2295572	<i>i</i>	15.24150	+0.29251463		+0.06160800	
<i>P</i>	5.03	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951118 560	0.1+	0.1-	951124 560	0.6+	0.9-	951219 560	0.2+	0.2-
951118 560	0.1-	0.3-	951124 560	0.6+	0.5-	951219 560	0.7+	0.6-
951118 560	0.1-	0.2+	951124 560	0.4+	0.1+	960108 560	0.3-	0.4+
951119 560	0.2-	0.1+	951209 560	0.7-	0.5+	960108 560	0.4+	0.0
951119 560	0.4+	0.1-	951209 560	0.6-	0.1+	960108 560	1.1+	0.4-
951119 560	0.1+	0.3+	951209 560	0.5-	0.3+	970206 560	0.2+	0.7+
951120 560	0.1-	0.4-	951210 560	1.3-	0.7+	970206 560	0.1-	0.7+
951120 560	0.0	0.4-	951210 560	0.4-	1.4+	970207 560	0.8-	0.6-
951120 560	0.0	0.0	951210 560	1.1-	0.8+	970207 560	0.7+	0.9-
951124 560	0.5+	0.3-	951219 560	0.4+	0.3-			

1995 WZ₆

Id. T. Urata (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Urata		Q	
<i>M</i>	128.66217			<i>P</i>		<i>Q</i>	
<i>n</i>	0.18947256	ω	338.85913	+0.68034851		-0.71066252	
<i>a</i>	3.0021922	Ω	67.77470	+0.69711672		+0.55209050	
<i>e</i>	0.0927074	<i>i</i>	11.15701	+0.22617293		+0.43606751	
<i>P</i>	5.20	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

951118 905	0.8-	0.4-	951215 905	0.1+	1.4-	970218 385	0.1-	0.1+
951118 905	0.4-	0.6+	951229 385	0.3+	0.3-	970305 385	0.1+	0.0
951125 905	0.8+	0.3+	951229 385	0.0	0.2+	970305 385	0.4+	0.1+
951125 905	0.2+	0.6-	951229 385	0.6-	0.4-	970309 385	0.1+	0.1+
951128 905	0.3-	0.6+	960220 887	0.2+	0.3-	970309 385	0.2-	0.0
951128 905	0.1-	0.8+	960220 887	0.8+	0.2+	970311 385	0.8-	0.2+
951130 905	0.3+	0.7+	970214 385	0.0	0.4-	970311 385	0.7-	0.2+
951130 905	0.1+	0.9+	970214 385	0.7+	0.5-			
951215 905	0.3-	1.0-	970218 385	0.8+	0.4+			

1995 WC₇

Id. A. Nakamura (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Nakano		Q	
<i>M</i>	92.68579			<i>P</i>		<i>Q</i>	
<i>n</i>	0.18089078	ω	30.16758	+0.35140137		-0.93382020	
<i>a</i>	3.0964097	Ω	39.36865	+0.83645248		+0.28097163	
<i>e</i>	0.1497720	<i>i</i>	6.06865	+0.42055241		+0.22143798	
<i>P</i>	5.45	<i>H</i>	14.1	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951121 360	0.4-	0.0	951210 360	0.2+	0.3-	970209 360	0.0	0.2-
951121 360	0.3-	0.0	951210 360	0.4+	0.0	970209 360	0.2+	0.0
951121 360	0.3-	0.0	951217 360	0.3-	0.1+	970209 360	0.0	0.2-
951129 360	0.3+	0.2-	951217 360	0.3-	0.2+	970301 360	0.0	0.2+
951129 360	0.1+	0.1-	960112 360	0.4-	0.1-	970301 360	0.2-	0.1+
951129 360	0.8+	0.1-	960112 360	0.2+	0.1+			
951210 360	0.1+	0.2-	960112 360	0.2-	0.7+			

1995 XW

Epoch 1997 June 1.0 TT = JDT 2450600.5

		(2000.0)		Williams		Q	
<i>M</i>	297.52968			<i>P</i>		<i>Q</i>	
<i>n</i>	0.23101677	ω	224.05039	+0.13352999		+0.96588736	
<i>a</i>	2.6305125	Ω	54.85829	-0.81759455		+0.23389474	
<i>e</i>	0.0942264	<i>i</i>	15.74389	-0.56009722		-0.11115237	
<i>P</i>	4.27	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951206 608	0.0	0.7-	951222 608	0.2+	0.1-	960216 608	0.2+	0.0
951206 608	0.8-	0.3-	951222 608	0.2+	0.0	960310 608	0.3-	0.7-
951208 608	0.2+	0.3+	960112 608	0.6-	0.4-	960310 608	0.8-	1.0-
951208 608	0.2+	0.4-	960112 608	0.2-	0.1-	960311 608	1.5+	1.6+
951208 608	0.4+	0.4-	960113 608	0.1-	0.0	960311 608	1.0-	1.0-
951209 608	0.8-	0.8+	960113 608	0.1+	0.2-	970210 608	0.5+	0.8+
951209 608	0.0	0.1-	960210 608	0.1-	0.1+	970210 608	0.9+	0.3-
951213 608	0.9+	1.2+	960210 608	0.4+	1.3+	970213 608	0.7-	0.3-
951213 608	(0.8-	3.9+)	960216 608	0.4+	0.1+	970213 608	0.7-	0.1-

1995 YZ₁

Id. A. Nakamura (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	118.78857		(2000.0)	P	Q
<i>n</i>	0.19976393	ω	58.66869	+0.33554606	-0.94167470
<i>a</i>	2.8981754	Ω	11.80934	+0.81611913	+0.27699557
<i>e</i>	0.1777664	<i>i</i>	7.19822	+0.47048742	+0.19110787
<i>P</i>	4.93	<i>H</i>	13.7	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

951221 360	0.1-	0.2-	951227 360	0.5-	0.4+	960215 360	0.2-	1.0-
951221 360	0.1-	0.2-	960111 360	0.2+	0.2+	970304 360	0.1-	0.0
951222 360	0.0	0.0	960111 360	0.1-	0.0	970304 360	0.3-	0.0
951222 360	0.3+	0.0	960124 360	0.8+	0.3+	970304 360	0.2-	0.0
951222 360	0.3+	0.1-	960124 360	0.5+	0.3+	970311 360	0.2+	0.3+
951227 360	0.7-	0.6+	960215 360	0.5-	0.6-	970311 360	0.5+	0.1-

1995 YB₂ = 1997 EZ₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	341.71225		(2000.0)	P	Q
<i>n</i>	0.12453121	ω	249.25232	-0.93933832	+0.34210881
<i>a</i>	3.9714636	Ω	310.74446	-0.30137621	-0.85748175
<i>e</i>	0.1264700	<i>i</i>	1.86060	-0.16375564	-0.38430014
<i>P</i>	7.91	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

951222 566	0.4-	0.3-	951228 608	0.3-	0.6-	970305 360	0.2-	0.2-
951222 566	0.4-	0.4-	951229 608	0.3-	0.3-	970305 360	0.2-	0.2-
951222 566	0.9-	0.3-	951229 608	0.1-	0.6-	970307 360	0.1+	0.2+
951224 566	1.6+	1.6+	960107 608	0.1-	0.2+	970307 360	0.0	0.0
951224 566	0.7-	0.2-	960107 608	0.0	0.1-	970307 360	0.1+	0.0
951224 566	1.7+	1.6+	960108 608	0.1+	0.3-	970309 360	0.1+	0.0
951224 566	0.6-	0.4-	960108 608	0.4-	0.2-	970309 360	0.2-	0.4-
951224 566	1.2+	1.3+	970117 599	0.3-	0.2+	970309 360	0.8+	0.3+
951224 566	0.3-	0.5-	970117 599	0.3+	0.1+	970311 360	0.0	0.1+
951228 608	0.1-	0.5-	970305 360	0.2-	0.1-	970311 360	0.2-	0.2+

1995 YP₂ = 1976 DY

Id. B. G. W. Manning (1997 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	147.69150		(2000.0)	P	Q
<i>n</i>	0.18981393	ω	292.47101	+0.92858991	-0.31678345
<i>a</i>	2.9985917	Ω	86.43443	+0.36946327	+0.83812782
<i>e</i>	0.0996313	<i>i</i>	11.16795	-0.03489506	+0.44406080
<i>P</i>	5.19	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

760229 033	0.1-	0.7-	951230 817	0.4+	0.4+	960214 494	0.2-	0.7-
951225 494	0.4+	0.3-	951230 817	0.0	0.0	960224 494	0.8-	0.0
951225 494	0.4+	0.2+	951230 817	0.2+	0.1+	960224 494	0.2-	0.0
951228 670	0.8-	0.2+	960107 494	0.1-	1.2-	960225 494	0.7-	0.4-
951228 670	0.0	0.5+	960107 494	0.8+	0.7-	960310 494	0.4+	0.4-
951228 670	0.5-	0.6+	960203 658	0.6-	0.4-	960310 494	0.1+	1.0-
951228 670	1.3-	2.0+	960203 658	0.6-	0.1-	960403 494	0.8+	0.6-
951229 494	0.3+	0.0	960203 658	0.5-	0.3-	960403 494	1.5+	0.2-
951229 494	0.3+	0.6+	960208 494	0.3+	0.2-	970312 494	0.3+	0.8+
951229 494	0.2-	0.1+	960208 494	0.0	0.5+	970312 494	0.1+	0.6+
951229 494	0.7+	0.0	960214 494	0.4+	0.1+			

1995 YV₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	159.67997		(2000.0)	P	Q
<i>n</i>	0.21146852	ω	276.30506	+0.69874550	-0.56908712
<i>a</i>	2.7902229	Ω	119.26878	+0.67126938	+0.73105421
<i>e</i>	0.4406551	<i>i</i>	29.79545	-0.24728960	+0.37643006
<i>P</i>	4.66	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

951228 691	1.2-	0.2+	960122 118	0.3-	0.2-	960302 595	1.2+	1.1+
951228 691	0.9-	0.3+	960125 413	0.2+	0.3+	960303 595	1.3-	0.8-
951228 691	0.9-	0.4+	960125 413	0.1+	0.1-	960303 595	0.3+	1.7-
951230 691	1.3-	0.0	960127 413	0.2+	0.0	960407 557	0.6-	0.1-
951230 691	1.3-	0.1-	960127 413	0.1+	0.0	960407 557	0.7-	0.2+
951230 691	1.3-	0.1-	960131 118	0.6+	0.4+	960407 557	0.9-	0.4-
951231 691	1.4-	0.1-	960131 118	0.5+	0.5+	960420 587	0.2-	0.1+
951231 691	1.2-	0.0	960201 118	(2.2+	2.7-)	960420 587	0.3+	0.0
951231 691	1.3-	0.1-	960201 118	(1.8+	3.0-)	960420 587	0.2+	0.3+
960104 413	0.9+	0.3+	960203 658	0.1-	0.2-	960425 381	0.6-	0.4+
960104 413	0.5+	0.1+	960203 658	0.1+	0.1+	960425 381	0.5+	0.8+
960117 046	0.6+	0.6-	960213 587	0.5+	0.4+	960428 658	1.3-	0.6+
960117 046	0.6+	0.8-	960213 587	0.9+	0.4+	960428 658	1.0-	0.1+
960117 046	0.3+	0.6-	960214 587	1.2+	0.4+	960428 658	1.3-	0.4+
960117 658	0.2-	0.4+	960214 587	0.6+	0.1+	970201 696	0.6-	0.4-
960117 658	0.3+	0.3-	960215 360	0.6+	0.6+	970201 696	0.7-	0.9-
960117 658	0.5+	0.1-	960215 360	0.3+	0.3+	970201 696	0.7-	0.0
960117 658	0.2+	0.4-	960215 360	0.5+	0.4+	970224 658	0.6+	0.3+
960118 046	1.3+	0.3-	960215 587	0.2+	0.2+	970224 658	0.3+	0.1+
960118 046	1.2+	0.9-	960215 587	0.7+	0.1+	970224 658	0.1+	0.1-
960118 046	0.9+	0.7-	960215 587	0.4+	0.2+			
960122 118	0.3-	0.3-	960302 595	0.4-	0.3-			

1996 AY₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	143.22922		(2000.0)	P	Q
<i>n</i>	0.17095943	ω	274.96272	+0.76787565	-0.58840204
<i>a</i>	3.2151952	Ω	121.31677	+0.63902525	+0.73127199
<i>e</i>	0.1770270	<i>i</i>	17.24587	-0.04487455	+0.34499901
<i>P</i>	5.77	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

960114 557	0.2+	0.6-	960121 557	0.1+	0.4+	960224 557	0.9-	0.2+
960114 557	0.1+	0.1+	960121 557	0.1+	0.1-	960224 557	0.1-	0.2-
960114 557	0.3+	0.1-	960121 557	0.1-	0.1+	970305 557	0.1+	0.1-
960116 557	0.0	0.0	960208 557	0.3-	0.6+	970305 557	0.0	0.4-
960116 557	0.0	0.2+	960208 557	0.7+	0.6-	970308 557	0.2-	0.4+
960116 557	0.1-	0.2-	960208 557	0.4+	0.2+	970308 557	0.1+	0.3+
960116 557	0.2-	0.2+	960209 557	0.5+	0.1-	970309 557	0.5-	0.1+
960116 557	0.6-	0.2-	960209 557	0.2-	0.0	970309 557	0.2+	0.5-
960116 557	0.3-	0.0	960209 557	0.4+	0.1+	970309 557	0.3+	0.1+

1996 AY₃

Id. N. Sato (1997 observations)

1997 MAR. 24

M.P.C. 29307

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	153.81280	(2000.0)	P		Q	
<i>n</i>	0.17392278	ω	258.36597	+0.77156938	-0.60323795	
<i>a</i>	3.1785697	Ω	138.28287	+0.63425551	+0.75393457	
<i>e</i>	0.2683849	<i>i</i>	17.66677	-0.04899641	+0.26016656	
<i>P</i>	5.67	<i>H</i>	11.5	<i>G</i>	0.15	<i>U</i> 3

Residuals in seconds of arc

960113 369	0.0	0.1+	960127 369	0.6-	0.1-	960316 566	0.1+	0.1-
960113 369	0.2-	0.2+	960127 369	1.0-	1.1-	960316 566	0.0	0.1+
960113 369	0.2+	0.4+	960127 385	0.4-	0.3-	960316 566	0.1-	0.1-
960118 369	0.6+	0.2+	960127 385	0.5-	0.4-	970304 369	0.3+	0.3-
960118 369	0.5+	0.2-	960127 385	0.4-	0.6-	970304 369	0.2+	0.0
960126 369	0.0	0.2+	960212 369	0.2+	0.2+	970309 369	0.5-	0.3-
960126 369	0.5+	0.4+	960212 369	0.3+	0.5+	970309 369	0.7-	0.1+
960126 369	0.5+	0.3+	960212 369	0.1+	0.2+	970309 369	0.7+	0.3+

1996 RG₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	52.80367	(2000.0)	P		Q	
<i>n</i>	0.34850572	ω	299.90116	-0.14616984	-0.98899619	
<i>a</i>	1.9998440	Ω	158.46820	+0.92772273	-0.14505094	
<i>e</i>	0.6048014	<i>i</i>	3.56530	+0.34346020	-0.02909902	
<i>P</i>	2.83	<i>H</i>	18.5	<i>G</i>	0.15	<i>U</i> 4

Residuals in seconds of arc

960914 691	1.3-	0.3-	961001 413	0.4+	0.2-	961014 046	0.2+	0.6-
960914 691	0.7-	0.4-	961001 118	1.4-	0.5-	961101 413	0.5+	0.1-
960914 691	0.8-	0.0	961001 118	0.3+	0.5-	961101 413	0.1-	0.0
960915 691	1.1-	0.2-	961002 587	1.8+	1.1+	961102 413	0.3-	0.1-
960915 691	0.8-	0.3-	961002 587	0.2+	1.1-	961102 413	0.1-	0.0
960915 691	0.8-	0.4-	961002 587	2.0+	0.4-	961118 711	0.1-	0.1+
960917 691	0.6-	0.2+	961003 118	0.1+	0.0	961118 711	0.2+	0.6-
960917 691	0.3-	0.1-	961003 118	0.1+	1.0+	961205 711	0.1-	0.2+
960917 566	0.7+	0.6-	961003 118	0.7+	0.6+	961205 711	0.2-	0.1+
960917 566	0.2+	0.1-	961005 691	0.9-	0.1+	970204 360	0.2+	0.1+
960917 691	1.0-	0.1+	961005 691	0.8-	0.1+	970204 360	0.5+	0.5-
960917 691	0.7-	0.1+	961005 691	0.8-	0.2+	970204 360	0.2+	0.1-
960917 566	0.4+	0.7-	961005 360	0.3+	0.2+	970209 360	0.2-	0.0
960917 691	0.8-	0.2+	961005 360	0.5+	0.4+	970209 360	0.4-	0.0
960918 118	0.5+	0.4+	961005 360	0.5+	0.5+	970209 360	0.4-	0.0
960918 118	0.2-	0.5-	961009 360	0.1+	0.3+	970305 691	1.1-	1.7-
960918 118	0.3+	0.3+	961009 360	0.5+	0.2+	970305 691	1.5-	0.4-
960918 118	0.2+	0.3-	961009 360	0.6+	0.1+	970305 691	1.5-	0.1-
960919 046	0.1-	0.6+	961011 711	0.5+	0.2+	970311 046	0.2+	0.2+
960919 046	0.2+	0.2-	961011 711	0.5+	0.1+	970311 046	0.3+	0.1-
960919 046	0.2+	0.4-	961013 711	0.6+	0.2-	970311 046	0.3-	0.2+
960930 118	0.4-	0.7-	961013 711	0.7+	0.3-	970311 360	0.3+	0.2-
960930 118	0.8+	0.7-	961014 673 (1.1-	3.0-)		970311 360	0.7+	0.4-
960930 118	0.5-	0.1-	961014 673 (0.5-	2.8-)		970311 360	0.5+	0.1-
961001 413	0.2+	0.4-	961014 046	0.9+	0.8+	970315 711	1.0+	0.7-
961001 413	0.5+	0.3-	961014 046	0.2-	1.2-	970315 711	0.3+	0.5-

1996 SD₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	30.40254	(2000.0)	P		Q	
<i>n</i>	0.25974866	ω	154.15857	+0.67782352	-0.72614702	
<i>a</i>	2.4327670	Ω	252.93063	+0.65194229	+0.66604376	
<i>e</i>	0.2058777	<i>i</i>	6.92006	+0.33989194	+0.17057609	
<i>P</i>	3.79	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i> 5

From 20 observations 1996 Sept. 29–1997 Jan. 16, mean residual 0".70.

1996 SV₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	68.51685	(2000.0)	P		Q	
<i>n</i>	0.26662486	ω	77.14513	+0.98735785	-0.13273632	
<i>a</i>	2.3907580	Ω	290.43100	+0.08377380	+0.90098608	
<i>e</i>	0.1481228	<i>i</i>	5.30459	+0.13456012	+0.41304376	
<i>P</i>	3.70	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i> 4

From 19 observations 1996 Sept. 18–1997 Jan. 29, mean residual 0".31.

1996 SK₈ = 1985 VN₁ = 1991 HO₄ = 1992 OA₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	44.27342	(2000.0)	P		Q	
<i>n</i>	0.26603404	ω	21.78360	+0.81609486	-0.57785349	
<i>a</i>	2.3942964	Ω	13.52650	+0.52463234	+0.73450124	
<i>e</i>	0.2036067	<i>i</i>	2.11511	+0.24238418	+0.35579948	
<i>P</i>	3.70	<i>H</i>	14.2	<i>G</i>	0.15	<i>U</i> 2

Residuals in seconds of arc

851107 688	0.6-	0.5+	920724 809	0.7-	0.3+	961004 894	1.5+	0.3+
851107 688	0.5+	0.4-	920726 809	0.6+	0.7-	961015 894	1.1-	0.2-
910419 809	0.6+	0.6+	920726 809	0.8+	0.5-	961015 894	0.3-	1.0-
910419 809	0.2+	0.7+	920726 809	1.2+	0.6-	961016 894	(0.8-	3.2+)
910419 809	0.4-	0.4-	960917 894	0.6+	1.0+	961016 894	0.3+	0.3-
920724 809	0.9-	0.4+	960917 894	0.1-	1.0+			
920724 809	1.0-	0.5+	961004 894	1.3-	0.1-			

1996 TQ₁₂

Id. K. Lawrence (1991 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	108.91127	(2000.0)	P		Q	
<i>n</i>	0.39498339	ω	158.25745	+0.97228737	+0.22131276	
<i>a</i>	1.8397133	Ω	189.90344	-0.21894869	+0.97497998	
<i>e</i>	0.0517113	<i>i</i>	25.98419	+0.08196792	-0.02084976	
<i>P</i>	2.50	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i> 3

Residuals in seconds of arc

910908 675	0.8+	0.5+	961003 809	(0.8+ 2.8+)	961018 566	0.1-	0.1-	
910909 675	0.2-	1.5-	961004 809	0.1-	1.3+	961019 566	0.3-	0.5+
910909 675	0.8-	0.5+	961004 809	0.0	1.3+	961019 566	0.1-	0.2+
911011 675	0.5+	1.2-	961004 809	0.2+	2.0+	961019 566	0.2-	0.1-
911011 675	0.6-	0.4-	961011 566	0.2-	1.3-	961217 566	0.0	0.1+
911013 675	0.5-	1.0+	961011 566	0.3+	1.2-	961217 566	0.1-	0.1+
911013 675	0.8+	0.6-	961011 566	0.7+	1.3-	961217 566	0.2-	0.0
961003 809	(1.4+ 2.3+)		961018 566	0.3-	0.1-			
961003 809	(1.0+ 3.1+)		961018 566	0.3+	0.1+			

1996 VF₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	33.04033		(2000.0)	P	Q
<i>n</i>	0.26649853	ω	33.27850	+0.20860088	-0.97186517
<i>a</i>	2.3915135	Ω	44.95479	+0.86011841	+0.12907511
<i>e</i>	0.2205985	<i>i</i>	8.90563	+0.46549113	+0.19702212
<i>P</i>	3.70	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

From 43 observations 1996 Nov. 12–1997 Mar. 14, mean residual 0^{''}.34.**1996 VU₆**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	67.05155		(2000.0)	P	Q
<i>n</i>	0.24128649	ω	306.16249	+0.95195880	-0.27895270
<i>a</i>	2.5553323	Ω	70.33515	+0.30587967	+0.84657458
<i>e</i>	0.3071588	<i>i</i>	7.70985	+0.01456270	+0.45331763
<i>P</i>	4.08	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

From 42 observations 1996 Nov. 7–1997 Mar. 2, mean residual 0^{''}.39.**1996 XH₁ = 1987 JK**

Id. S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	354.36897		(2000.0)	P	Q
<i>n</i>	0.37976996	ω	89.88353	-0.88970516	-0.20479255
<i>a</i>	1.8885231	Ω	78.28852	+0.00536706	-0.89837301
<i>e</i>	0.1585875	<i>i</i>	24.62643	+0.45650403	-0.38856911
<i>P</i>	2.60	<i>H</i>	15.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

870503 675	0.6–	0.7–	961203 411	0.1+	0.6–	961228 411	0.4+	0.2+
870503 675	1.1+	0.5–	961208 411	1.0+	0.1+	961228 411	0.1–	0.3–
870505 675	(5.3–	0.0)	961208 411	0.7+	0.4–	970222 658	2.6–	0.6–
870505 675	1.9–	0.7–	961212 411	0.1–	0.1–	970222 658	2.6–	0.3+
961202 411	1.2+	0.4–	961212 411	0.5+	0.1+	970222 658	2.2–	0.2+
961202 411	2.4+	0.5–	961219 411	0.4–	0.3–			
961203 411	0.3+	0.4–	961219 411	1.5–	0.6+			

1996 XM₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	144.85637		(2000.0)	P	Q
<i>n</i>	0.29949143	ω	248.86585	+0.87643702	+0.47366041
<i>a</i>	2.2124822	Ω	82.77307	-0.40301987	+0.82004023
<i>e</i>	0.2401991	<i>i</i>	5.00940	-0.26350168	+0.32121620
<i>P</i>	3.29	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

From 31 observations 1996 Nov. 8–1997 Mar. 9, mean residual 0^{''}.45.**1996 XS₁₈**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	23.77000		(2000.0)	P	Q
<i>n</i>	0.18260251	ω	21.39415	-0.20430882	-0.97773641
<i>a</i>	3.0770287	Ω	80.41969	+0.89094130	-0.20597783
<i>e</i>	0.0899320	<i>i</i>	2.78134	+0.40556320	-0.04005792
<i>P</i>	5.40	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

From 27 observations 1996 Dec. 12–1997 Mar. 5, mean residual 0^{''}.33.**1996 XU₁₈**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	30.63686		(2000.0)	P	Q
<i>n</i>	0.17482809	ω	334.93061	-0.15081635	-0.98793175
<i>a</i>	3.1675872	Ω	123.72523	+0.91398891	-0.15295203
<i>e</i>	0.1489001	<i>i</i>	2.43174	+0.37666790	-0.02442418
<i>P</i>	5.64	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 4

From 27 observations 1996 Dec. 12–1997 Mar. 7, mean residual 0^{''}.31.**1996 XZ₃₁**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	286.55980		(2000.0)	P	Q
<i>n</i>	0.29784409	ω	136.35736	-0.67074562	+0.73127227
<i>a</i>	2.2206327	Ω	91.10604	-0.70995790	-0.58471237
<i>e</i>	0.0899120	<i>i</i>	7.11623	-0.21461614	-0.35121548
<i>P</i>	3.31	<i>H</i>	14.4	<i>G</i> 0.15	<i>U</i> 5

From 12 observations 1996 Dec. 8–1997 Feb. 27, mean residual 0^{''}.63.**1996 XD₃₂**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	357.06358		(2000.0)	P	Q
<i>n</i>	0.22707635	ω	78.76207	-0.85218135	-0.46019759
<i>a</i>	2.6608565	Ω	73.42335	+0.31792821	-0.83337027
<i>e</i>	0.1063127	<i>i</i>	15.05856	+0.41558224	-0.30612445
<i>P</i>	4.34	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 5

From 15 observations 1996 Dec. 14–1997 Mar. 9, mean residual 0^{''}.48.**1996 XE₃₂**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	6.77562		(2000.0)	P	Q
<i>n</i>	0.17511011	ω	117.10548	-0.72087095	-0.69172173
<i>a</i>	3.1641852	Ω	19.23073	+0.58035141	-0.63653001
<i>e</i>	0.2151547	<i>i</i>	7.53631	+0.37886319	-0.34110203
<i>P</i>	5.63	<i>H</i>	13.8	<i>G</i> 0.15	<i>U</i> 4

From 32 observations 1996 Dec. 14–1997 Mar. 9, mean residual 0^{''}.53.**1996 YF₁**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	22.18240		(2000.0)	P	Q
<i>n</i>	0.28643425	ω	75.14269	-0.87698362	-0.45572447
<i>a</i>	2.2792191	Ω	77.54818	+0.35859867	-0.83175936
<i>e</i>	0.3747771	<i>i</i>	8.97682	+0.31985423	-0.31700407
<i>P</i>	3.44	<i>H</i>	17.5	<i>G</i> 0.15	<i>U</i> 4

From 44 observations 1996 Dec. 27–1997 Mar. 10, mean residual 0^{''}.29.**1996 YG₁**

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	247.02846		(2000.0)	P	Q
<i>n</i>	0.25156374	ω	188.92338	-0.07085142	+0.97361295
<i>a</i>	2.4852534	Ω	77.23138	-0.90090472	+0.03089659
<i>e</i>	0.1194626	<i>i</i>	12.85173	-0.42819478	-0.22610444
<i>P</i>	3.92	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

From 32 observations 1996 Dec. 27–1997 Mar. 10, mean residual 0^{''}.48.

1997 MAR. 24

M.P.C. 29309

1996 YV₁ = 1993 FU₅₀ = 1995 SU₃₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.23088725	ω	116.60634	+0.04737620	-0.99878663		
<i>a</i>	2.6314962	Ω	330.66872	+0.90641384	+0.04864264		
<i>e</i>	0.1824408	<i>i</i>	1.57275	+0.41972544	+0.00769159		
<i>P</i>	4.27	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

930319	809	1.0+	0.5+	961219	327	0.1+	0.1-	970207	327	0.7-	0.3+
930320	809	0.3-	1.4+	961219	327	0.4-	0.2-	970207	327	0.0	0.1-
930324	809	0.5+	0.7+	961219	327	1.0+	0.3+	970207	327	0.5+	0.1-
950923	691	0.9-	0.7+	961224	327	0.9-	0.1+	970214	327	0.5-	0.1+
950923	691	0.6-	0.7+	961224	327	0.4-	0.2+	970214	327	0.7+	0.1+
950923	691	0.8-	0.9+	961224	327	0.0	0.1-	970214	327	0.2-	0.2+
950929	691	0.2+	0.0	970207	327	0.2+	0.3-	970218	327	0.9+	0.2-
950929	691	0.1+	0.7+	970207	327	0.5+	0.0	970218	327	0.1+	0.0
950929	691	0.3+	0.8+	970207	327	0.9-	0.2-	970218	327	0.3+	1.3+

1997 AU₄ = 1977 SO₁ = 1977 UA₃ = 1986 TX₅ = 1994 LK₈Id. S. Nakano (*MPC* 29122), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.21724675	ω	147.03780	+0.92549683	-0.37794432		
<i>a</i>	2.7405256	Ω	235.18802	+0.34064442	+0.85918348		
<i>e</i>	0.1134795	<i>i</i>	1.72906	+0.16558079	+0.34490844		
<i>P</i>	4.54	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

770919	095	0.0	2.3+	940608	809	(0.2+	3.3+)	970107	411	0.7-	0.0
771018	675	1.2-	1.2+	940609	809	(1.0+	2.8+)	970107	411	0.2-	0.3-
771019	675	0.6-	2.0+	940609	809	0.3-	1.8+	970111	411	0.4+	0.6+
861009	046	(3.3-	3.1-)	940609	809	0.0	0.1+	970111	411	0.1+	0.2+
861009	046	0.4-	1.5-	961112	691	1.0-	0.5+	970116	411	0.3+	0.5+
861010	046	(2.5+	1.1-)	961112	691	1.0-	0.7+	970116	411	0.1-	0.5+
861010	046	1.9+	1.9-	961112	691	0.9-	0.6+	970127	411	0.4+	0.6+
940608	809	0.3+	0.8+	970106	411	0.1-	1.1-	970127	411	1.0+	0.5+
940608	809	(0.4+	3.0+)	970106	411	1.4+	1.0-				

1997 AQ₁₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.80226668	ω	36.88702	+0.86858198	+0.41705313		
<i>a</i>	1.1470708	Ω	296.38356	-0.49517236	+0.70949628		
<i>e</i>	0.4652743	<i>i</i>	17.38319	-0.01922696	+0.56805080		
<i>P</i>	1.23	<i>H</i>	18.0	<i>G</i>	0.15	<i>U</i>	6

From 82 observations 1997 Jan. 15–Feb. 24, mean residual 0".62.

1997 AK₁₉ = 1950 NS = 1978 VU₁₂ = 1988 OQ = 1989 YA₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.28490585	ω	150.00627	+0.70575514	+0.70830301		
<i>a</i>	2.2873632	Ω	164.86754	-0.66068993	+0.66552678		
<i>e</i>	0.1599555	<i>i</i>	3.23134	-0.25573131	+0.23533156		
<i>P</i>	3.46	<i>H</i>	13.4	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

500714	760	0.1+	0.1-	891226	033	0.1+	0.7-	970116	358	0.3-	0.5-
500714	760	0.0	0.5-	891226	033	1.0+	1.2-	970118	358	1.1+	0.1+
781102	095	0.2-	0.8+	970113	358	0.9+	0.4-	970118	358	0.9-	1.1-
880723	046	(1.5-	4.2-)	970113	358	0.3+	0.6+	970118	358	0.6-	0.7-
880723	046	0.6+	2.6-	970113	358	0.8-	1.5+	970205	358	0.8+	1.6-
891226	033	0.5-	0.4-	970116	358	0.3+	1.1-	970205	358	2.0-	1.1+

1997 BQ

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.42722498	ω	147.22953	-0.94555490	+0.29041547		
<i>a</i>	1.7459493	Ω	50.36674	-0.32425279	-0.80171075		
<i>e</i>	0.4785007	<i>i</i>	10.99753	-0.02803669	-0.52241624		
<i>P</i>	2.31	<i>H</i>	18.0	<i>G</i>	0.15	<i>U</i>	5

From 130 observations 1997 Jan. 16–Mar. 12, mean residual 0".58.

1997 BR

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.63827850	ω	133.73899	-0.30440719	+0.91508332		
<i>a</i>	1.3359675	Ω	116.78767	-0.93673717	-0.23721143		
<i>e</i>	0.3058392	<i>i</i>	17.23519	-0.17279970	-0.32611847		
<i>P</i>	1.54	<i>H</i>	17.5	<i>G</i>	0.15	<i>U</i>	5

From 232 observations 1997 Jan. 20–Mar. 12, mean residual 0".58.

1997 BD₂ = 1983 AR₁ = 1990 DO₅ = 1995 OK₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.28408751	ω	267.98334	+0.78824749	-0.60014090		
<i>a</i>	2.2917538	Ω	128.86648	+0.61082474	+0.73631206		
<i>e</i>	0.1410401	<i>i</i>	10.05968	+0.07455887	+0.31253073		
<i>P</i>	3.47	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

830112	046	1.5+	0.4-	970129	587	1.0+	0.3+	970131	587	0.4+	0.1-
830113	046	0.8-	0.9-	970129	587	1.4+	0.4+	970210	587	0.1-	0.1-
900223	033	0.3-	0.2+	970129	587	0.0	0.5+	970210	587	0.5+	0.0
900223	033	1.4-	0.9+	970129	587	0.1+	0.3-	970227	587	0.5-	0.2-
950721	033	0.6+	0.3-	970130	587	0.2+	0.8-	970227	587	0.4-	0.4+
950722	033	0.4-	0.5-	970130	587	0.2-	0.4-	970309	587	1.0-	0.3+
950723	033	0.2+	1.1-	970130	587	0.1+	0.6-	970309	587	1.8-	0.1+
950726	033	0.2-	0.4-	970130	587	0.8-	1.1-				
970128	587	1.2+	0.6-	970131	587	0.2+	0.1-				

1997 BM₃ = 1983 CW = 1986 VB₃ = 1986 XU₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.21277875	ω	107.64690	-0.02239124	-0.99913006		
<i>a</i>	2.7787569	Ω	343.51655	+0.86382225	-0.00161909		
<i>e</i>	0.1942002	<i>i</i>	7.12265	+0.50329887	-0.04167137		
<i>P</i>	4.63	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

830215	688	2.1-	0.1-	861104	010	0.4-	0.8-	970201	411	0.8-	0.3-
830215	688	0.4-	0.9-	861202	413	0.2-	0.9+	970211	411	0.2-	1.0+

M.P.C. 29310

830219	688	1.9+	0.7−	861203	413	0.6−	0.3+	970211	411	0.1−	0.5+
830219	688	0.5−	1.0−	970131	411	0.6+	0.5+	970217	327	0.2+	0.1+
861104	010	0.1−	0.2−	970131	411	0.2+	0.2+	970217	327	0.5+	0.6+
861104	010	1.0+	0.2+	970201	411	0.2+	0.2−	970217	327	0.6+	0.2+

1997 BP₅ = 1977 RZ₁₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	82.35625		(2000.0)	P	Q
<i>n</i>	0.26982800	ω	291.81050	+0.26640185	−0.96343884
<i>a</i>	2.3717999	Ω	142.70207	+0.90082018	+0.23832836
<i>e</i>	0.1843372	<i>i</i>	2.70143	+0.34286012	+0.12241405
<i>P</i>	3.65	<i>H</i>	16.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

770909	675	0.8−	0.8−	970201	684	0.1−	0.5+	970216	684	0.1+	0.0
770910	675	0.8+	0.8+	970201	684	0.2+	0.4+	970216	684	0.2+	0.1+
970131	684	0.1+	0.1−	970208	566	0.8−	0.3−	970305	684	0.1−	0.1+
970131	684	0.1+	0.2−	970208	566	0.3+	0.4−	970305	684	0.0	0.1+
970131	684	0.0	0.2−	970208	566	0.0	0.6−	970305	684	0.0	0.2+
970201	684	0.0	0.3+	970216	684	0.2+	0.0				

1997 BU₅ = 1978 WC₁₀

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	315.07618		(2000.0)	P	Q
<i>n</i>	0.28472888	ω	274.89005	−0.51112920	+0.85947687
<i>a</i>	2.2883109	Ω	324.36823	−0.78387008	−0.46938938
<i>e</i>	0.1420461	<i>i</i>	0.67034	−0.35255443	−0.20241821
<i>P</i>	3.46	<i>H</i>	15.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

781129	675	1.5+	0.1+	970201	684	0.4+	0.1−	970202	684	0.4+	0.1+
781130	675	1.5−	0.5−	970201	684	0.4−	0.2+	970212	684	0.0	0.0
961221	327	1.1+	0.0	970201	684	0.3+	0.2−	970212	684	0.1+	0.0
961221	327	0.4+	0.4+	970201	691	0.5+	0.1−	970302	684	0.3−	0.2−
961221	327	0.1+	1.0+	970201	691	1.1−	0.4−	970302	684	0.2−	0.2−
961221	327	0.6−	1.0+	970201	691	1.5−	0.2+	970311	684	0.1+	0.1+
970131	684	0.0	0.8−	970202	684	0.3+	0.0	970311	684	0.2+	0.3+
970131	684	0.0	0.6−	970202	684	0.5+	0.0				

1997 CZ₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	157.81872		(2000.0)	P	Q
<i>n</i>	0.59230548	ω	33.34290	+0.97466182	+0.20795326
<i>a</i>	1.4042320	Ω	314.42118	−0.22203041	+0.85471932
<i>e</i>	0.5399028	<i>i</i>	6.62507	−0.02714465	+0.47561574
<i>P</i>	1.66	<i>H</i>	19.5	<i>G</i> 0.15	<i>U</i> 7

From 25 observations 1997 Feb. 2–Mar. 4, mean residual 0″.47.

1997 CN₅ = 1976 UV₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	334.47637		(2000.0)	P	Q
<i>n</i>	0.20894910	ω	337.86408	−0.98959920	+0.13617371
<i>a</i>	2.8126069	Ω	210.07759	−0.11417945	−0.93961880
<i>e</i>	0.0624005	<i>i</i>	5.30873	−0.08750130	−0.31396374
<i>P</i>	4.72	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5

1997 MAR. 24

Residuals in seconds of arc

761022	381	0.0	0.0	970203	905	0.5+	0.3−	970209	385	0.5−	0.3+
761022	381	0.7+	0.2+	970206	385	0.2−	0.1+	970304	385	0.2+	0.2−
761024	381	0.6−	0.3−	970206	385	0.3−	0.2+	970304	385	0.1−	0.2+
970203	905	0.7+	0.0	970209	385	0.4−	0.1−	970307	385	0.0	0.4−

1997 CO₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	45.17161		(2000.0)	P	Q
<i>n</i>	0.23191261	ω	122.82223	+0.12051059	−0.96920466
<i>a</i>	2.6237340	Ω	318.51736	+0.76744640	+0.22817884
<i>e</i>	0.4830793	<i>i</i>	18.91773	+0.62968502	−0.09261075
<i>P</i>	4.25	<i>H</i>	17.0	<i>G</i> 0.15	<i>U</i> 5

From 93 observations 1997 Feb. 6–Mar. 8, mean residual 0″.54.

1997 CX₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	64.85590		(2000.0)	P	Q
<i>n</i>	0.45032964	ω	162.17772	−0.43658967	−0.86653257
<i>a</i>	1.6857080	Ω	312.91039	+0.77998810	−0.23058823
<i>e</i>	0.1208932	<i>i</i>	19.28465	+0.44833918	−0.44266282
<i>P</i>	2.19	<i>H</i>	18.5	<i>G</i> 0.15	<i>U</i> 5

From 27 observations 1997 Feb. 6–Mar. 14, mean residual 0″.46.

1997 CZ₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	37.52473		(2000.0)	P	Q
<i>n</i>	0.28390254	ω	169.07654	−0.14275488	−0.90504780
<i>a</i>	2.2927491	Ω	288.16006	+0.87333943	+0.07528496
<i>e</i>	0.3989183	<i>i</i>	24.93807	+0.46572448	−0.41859366
<i>P</i>	3.47	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 5

From 202 observations 1997 Feb. 7–Mar. 11, mean residual 0″.40.

1997 CK₁₃ = 1976 MH = 1986 ES

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	334.41312		(2000.0)	P	Q
<i>n</i>	0.18025753	ω	120.52871	−0.74534776	+0.66483449
<i>a</i>	3.1036573	Ω	101.18966	−0.62765563	−0.67474773
<i>e</i>	0.1193267	<i>i</i>	2.89325	−0.22473344	−0.32048495
<i>P</i>	5.47	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

760620	095	0.0	0.1+	970208	587	0.2+	0.6+	970301	369	0.8−	0.2−
860305	688	1.2+	1.4−	970208	587	0.4+	0.4+	970301	369	0.0	0.1+
860305	688	1.7−	0.2+	970213	587	0.5+	0.0	970304	369	0.1−	0.6−
970207	587	1.5−	0.5−	970213	587	0.2+	0.4+	970304	369	0.2+	0.5+
970208	587	0.2−	1.3+	970227	587	0.0	0.2−	970306	587	0.2+	0.9−
970208	587	0.2−	0.7+	970227	587	0.2+	0.1−	970306	587	1.3+	0.1−

1997 CP₁₃ = 1978 EC₁ = 1994 LB₁₀ = 1995 UN₁₁

Id. G. V. Williams, G. Forti

1997 MAR. 24

M.P.C. 29311

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	8.98143	(2000.0)	P	Q
<i>n</i>	0.25983039	ω 201.25674	-0.95656085	-0.29119885
<i>a</i>	2.4322567	Ω 321.80473	+0.27062399	-0.86914606
<i>e</i>	0.0776645	<i>i</i> 1.29261	+0.10841583	-0.39973535
<i>P</i>	3.79	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

780305 095	0.2+	0.6+	970201 610	0.1-	1.2+	970209 610	0.5+	0.4+
940608 809	0.9-	1.1+	970201 610	0.3+	1.2+	970209 610	0.4+	0.6-
940608 809	0.5+	0.8+	970204 566	0.7-	1.3+	970209 610	0.4+	0.3-
940608 809	0.7+	0.6+	970204 566	0.6-	1.3+	970209 610	0.3+	0.0
940609 809	(1.6+	3.4+)	970204 566	0.4-	1.4+	970209 610	0.4+	0.1+
940609 809	(0.8-	4.2+)	970206 327	0.8-	0.5+	970214 610	0.4+	0.7-
940609 809	(1.0+	2.9+)	970206 327	0.1+	0.8+	970214 610	0.4+	0.7-
951017 691	0.0	0.6+	970206 327	0.4-	0.5+	970214 610	0.8+	0.7-
951017 691	0.3-	0.6+	970206 104	0.5-	0.6-	970216 610	(2.3+	1.4-)
951017 691	0.2-	0.2+	970206 104	0.2-	0.0	970216 610	(2.1+	1.8-)
951022 691	0.4-	0.3+	970206 104	1.2+	0.3+	970216 610	(2.2+	1.1-)
951022 691	0.4-	0.4+	970207 610	0.1+	0.1-	970217 327	0.2-	0.1-
951022 691	0.1+	0.6+	970207 610	0.3+	0.2-	970217 327	0.4-	0.6-
961218 327	1.4+	0.0	970207 610	1.2+	0.4-	970217 327	0.4-	0.2-
961218 327	0.4+	1.0-	970207 610	1.5+	0.5-	970301 610	(2.5-	0.3+)
961218 327	1.0-	0.9-	970208 610	1.7-	0.9-	970301 610	(2.6-	0.3+)
970201 610	0.8-	1.4+	970208 610	0.9-	0.4-	970301 610	(2.5-	0.3+)

1997 CA₁₇ = 1994 LJ₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	64.27160	(2000.0)	P	Q
<i>n</i>	0.17210203	ω 159.43420	+0.11171684	-0.98488904
<i>a</i>	3.2009488	Ω 283.96786	+0.89162362	+0.15814432
<i>e</i>	0.1476988	<i>i</i> 7.83777	+0.43877860	-0.07059716
<i>P</i>	5.73	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

940609 691	0.2-	0.3+	970208 610	0.2-	0.9-	970217 104	0.1+	0.1-
940609 691	0.1-	0.2+	970208 108	0.8+	0.4+	970227 104	0.2-	1.1-
940609 691	0.1+	0.1+	970208 610	0.3-	0.0	970227 104	0.3-	1.0-
940909 691	0.2-	0.0	970208 610	0.4-	1.0+	970227 104	0.4-	1.1-
940909 691	0.1+	0.1+	970208 610	0.5-	1.2+	970303 104	0.1+	0.3+
940909 691	0.2-	0.1+	970209 108	0.7+	0.1-	970303 104	0.3+	0.5+
970207 104	0.4-	1.2+	970209 108	2.0-	1.4-	970303 104	0.1+	0.2+
970207 104	1.6+	0.3-	970216 104	0.7+	0.5+	970303 104	0.1+	0.2+
970207 610	1.0+	1.1+	970216 104	0.3+	0.5+	970310 104	0.2-	0.0
970207 610	0.7+	0.6+	970216 104	0.4-	0.2+	970310 104	0.1+	0.2-
970207 610	0.1+	0.1+	970217 104	0.9-	0.5-	970310 104	0.2+	0.0
970207 610	0.2-	0.3-	970217 104	0.2-	0.2-			

1997 CF₁₇ = 1995 WH₄₂

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	47.42772	(2000.0)	P	Q
<i>n</i>	0.17317274	ω 176.39865	-0.19417512	-0.97870392
<i>a</i>	3.1877410	Ω 284.78946	+0.89828985	-0.15012199
<i>e</i>	0.1410388	<i>i</i> 3.94938	+0.39417174	-0.14000722
<i>P</i>	5.69	<i>H</i> 14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

951127 327	0.4-	0.4-	970201 691	0.3-	0.6-	970310 046	0.6-	0.0
951127 327	0.5+	0.1-	970211 691	0.2-	0.2+	970310 046	0.4-	0.1-
951127 327	0.2-	0.3+	970211 691	0.4-	0.6+	970310 046	0.7+	0.0
951127 327	0.5+	0.1-	970211 691	0.3-	0.3+	970310 046	0.3-	0.2+
951128 327	0.8-	0.3+	970305 360	0.1+	0.1+	970311 046	0.0	0.2-
951128 327	0.3+	0.1-	970305 360	0.2-	0.2+	970311 046	0.1+	0.1+
951128 327	0.3-	0.0	970305 360	0.2-	0.2+	970311 046	0.0	0.2-
951128 327	0.5+	0.1-	970307 360	0.3+	0.1-	970311 046	0.4+	0.0
970201 691	0.5+	0.2-	970307 360	0.4+	0.1-	970311 046	0.3-	0.1-
970201 691	0.4+	0.2-	970307 360	0.3+	0.3-			

1997 CR₂₁ = 1995 US₂₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	3.55202	(2000.0)	P	Q
<i>n</i>	0.26155427	ω 53.08365	-0.99189803	-0.12328959
<i>a</i>	2.4215578	Ω 119.81560	+0.10241520	-0.91870829
<i>e</i>	0.1361227	<i>i</i> 2.02290	+0.07516268	-0.37519961
<i>P</i>	3.77	<i>H</i> 15.3	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

951020 691	0.4-	0.1-	970208 566	0.4-	0.3+	970213 369	0.2+	0.5+
951020 691	0.5-	0.2-	970208 566	0.3-	0.2+	970227 369	0.2+	1.1+
951020 691	0.5-	0.1-	970208 566	0.6-	0.3+	970227 369	0.4+	0.6-
951025 691	0.6+	0.3+	970209 369	0.5+	0.7-	970304 369	0.5-	0.2+
951025 691	0.5+	0.1+	970209 369	0.5+	1.0-	970304 369	0.0	0.2-
951025 691	0.2+	0.1+	970213 369	0.0	0.0			

1997 CT₂₁ = 1993 BW₁₀ = 1994 NO₁₀ = 1995 YL₁₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	287.66653	(2000.0)	P	Q
<i>n</i>	0.25781520	ω 173.38960	-0.07552890	+0.99424976
<i>a</i>	2.4449146	Ω 92.25968	-0.91830504	-0.03968617
<i>e</i>	0.1573604	<i>i</i> 4.35708	-0.38860165	-0.09946067
<i>P</i>	3.82	<i>H</i> 16.0	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

930122 691	0.3-	0.1-	940709 809	0.1+	0.6-	970209 360	0.2+	0.0
930122 691	0.0	0.3-	940709 809	0.3+	0.3-	970209 360	0.1-	0.6+
930122 691	0.1-	0.1-	940709 809	0.3-	0.9+	970209 360	0.2+	0.4+
930126 691	0.0	0.2-	951222 691	0.1-	0.3+	970213 360	0.1+	0.4-
930126 691	0.3+	0.4-	951222 691	0.3-	0.1-	970213 360	0.3-	0.0
930126 691	0.1-	0.0	951222 691	0.2+	0.3-	970213 360	0.0	0.0
940708 809	0.6+	0.1+	951228 691	0.2+	0.0	970224 360	0.5-	0.5-
940708 809	0.1+	0.3+	951228 691	0.2+	0.0	970224 360	0.2+	0.2-
940708 809	0.7-	1.1-	951228 691	0.1-	0.1-	970224 360	0.3+	0.6+

1997 CB₂₂ = 1978 EZ = 1980 RY₄ = 1983 ED

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	284.48652		(2000.0)	P		Q	
<i>n</i>	0.21172821	ω	280.74790	-0.00657089		+0.99971849	
<i>a</i>	2.7879410	Ω	348.80004	-0.86547111		-0.01710609	
<i>e</i>	0.0877848	<i>i</i>	6.74067	-0.50091574		+0.01644145	
<i>P</i>	4.66	<i>H</i>	12.0	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

780305 095	0.1+	0.0	830312 046	2.3-	0.6-	970301 399	0.3+	0.4+
800908 095	0.3+	0.6-	830312 046	(5.6-	0.1+)	970301 399	1.4-	1.5-
830308 046	2.4+	1.0-	830313 046	(4.7-	1.9-)	970303 399	2.1+	1.1+
830308 046	2.3+	0.9-	830313 046	1.2-	0.4-	970303 399	1.0+	0.8-
830309 046	0.9-	0.8+	970213 411	0.2+	0.3-	970308 399	1.4-	1.0+
830309 046	0.6+	1.0-	970213 411	1.2+	0.5+	970308 399	1.6-	0.5+
830310 046	1.1-	0.9+	970214 411	0.3+	0.1+			
830310 046	0.9-	0.4+	970214 411	0.1+	0.2+			

1997 CH₂₂ = 1993 FW₇₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	36.22464		(2000.0)	P		Q	
<i>n</i>	0.23522570	ω	171.23436	-0.76170316		-0.64723031	
<i>a</i>	2.5990395	Ω	328.36863	+0.59093685		-0.67495945	
<i>e</i>	0.1529384	<i>i</i>	3.28149	+0.26571026		-0.35429179	
<i>P</i>	4.19	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

930321 809	0.4-	0.4+	970214 684	0.0	0.4+	970310 691	0.3-	0.1-
930322 809	0.4+	0.3-	970214 684	0.0	0.4+	970310 691	0.3-	0.2-
970213 684	0.0	0.7-	970303 691	0.3+	0.2-	970310 691	0.2-	0.0
970213 684	0.2+	0.0	970303 691	0.2+	0.1+			
970214 684	0.1-	0.1+	970303 691	0.2+	0.0			

1997 CD₂₆ = 1992 EZ₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	297.22700		(2000.0)	P		Q	
<i>n</i>	0.19290663	ω	96.52239	-0.58581448		+0.79991864	
<i>a</i>	2.9664562	Ω	136.73551	-0.79820033		-0.54164913	
<i>e</i>	0.0535270	<i>i</i>	10.95094	-0.14034822		-0.25835323	
<i>P</i>	5.11	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920301 809	0.3-	0.2+	970213 385	0.0	0.4-	970214 385	0.2+	0.0
920304 809	0.1-	0.3+	970213 385	0.3-	0.2-	970305 385	0.9-	0.1-
920306 809	0.3+	0.4-	970214 385	0.4+	0.6+	970308 385	0.6+	0.0

1997 CH₂₆ = 1986 XX₄ = 1990 RJ₁₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	136.16062		(2000.0)	P		Q	
<i>n</i>	0.21546220	ω	270.98197	+0.88129740		-0.45199503	
<i>a</i>	2.7556369	Ω	115.90149	+0.47109659		+0.81736420	
<i>e</i>	0.2114676	<i>i</i>	8.81794	+0.03718728		+0.35723418	
<i>P</i>	4.57	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

861130 675	2.1+	0.2+	900914 675	0.0	0.4-	970309 587	0.4-	0.0
861130 675	(4.3+	2.9-)	970214 411	1.2+	0.4+	970309 587	0.3+	0.1+
861203 675	1.6-	0.2-	970214 411	0.2+	0.6+	970310 587	1.2+	0.2+

861203 675	0.5-	0.1-	970216 411	0.5+	0.0	970310 587	0.5+	0.1-
861205 010	(9.8+	4.1-)	970216 411	0.3-	0.1+	970312 691	0.7-	0.1+
861205 010	(7.4+	2.4-)	970307 587	(0.5-	2.7-)	970312 691	0.6-	0.1-
861205 010	(5.6+	1.1-)	970307 587	1.5-	0.6-	970312 691	0.7-	0.1-
900914 675	0.0	0.5+	970308 587	0.2+	0.6-			

1997 CK₂₆ = 1995 UA₃₆

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	348.77148		(2000.0)	P		Q	
<i>n</i>	0.26997703	ω	138.21225	-0.92814012		+0.35848033	
<i>a</i>	2.3709269	Ω	63.05360	-0.36433011		-0.81969178	
<i>e</i>	0.0546395	<i>i</i>	6.45638	-0.07628559		-0.44676306	
<i>P</i>	3.65	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

951021 691	0.4-	0.1+	970214 411	0.8+	0.7+	970309 587	0.2+	0.3+
951021 691	0.1+	0.2+	970216 411	0.1+	0.3-	970310 587	0.3-	0.1-
951021 691	0.1+	0.2+	970216 411	0.1+	0.1+	970310 587	1.3+	0.4+
951026 691	0.0	0.2-	970307 587	(3.7-	0.5-)	970313 691	0.4-	0.0
951026 691	0.2+	0.2-	970307 587	(2.5-	2.7-)	970313 691	0.5-	0.3-
951026 691	0.0	0.2-	970308 587	(1.0+	3.2-)	970313 691	0.5-	0.1-
970214 411	0.9-	0.2-	970309 587	0.2+	0.3-			

1997 CW₂₇ = 1135 T-1 = 1980 RX₃ = 1980 TC₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	138.84261		(2000.0)	P		Q	
<i>n</i>	0.26023386	ω	79.39634	+0.98183644		-0.18795297	
<i>a</i>	2.4297421	Ω	291.43314	+0.16137551		+0.89908171	
<i>e</i>	0.1986135	<i>i</i>	1.59451	+0.09977552		+0.39538052	
<i>P</i>	3.79	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

710324 675	1.2+	0.4+	970112 566	0.6-	0.1+	970211 691	0.3-	0.1-
710325 675	1.1-	0.7+	970112 566	0.4-	0.0	970213 327	0.6+	0.3+
710325 675	0.9-	0.2+	970112 566	0.1+	0.1-	970213 327	0.3-	0.5+
710326 675	1.2+	0.0	970206 327	0.6+	0.6-	970213 327	0.8+	0.2+
710327 675	0.5+	0.2+	970206 327	0.4-	0.5-	970213 327	0.0	0.4+
710402 675	0.5-	0.6-	970206 327	0.4-	0.5-	970213 327	1.0+	0.1+
800906 095	0.2+	0.1+	970211 691	0.2-	0.1-	970213 327	0.4-	0.6+
801015 095	0.5-	0.6+	970211 691	0.2-	0.3-			

1997 CP₂₈ = 1992 DE₉

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>	77.13937		(2000.0)	P		Q	
<i>n</i>	0.19098493	ω	114.37241	+0.24649035		-0.96279008	
<i>a</i>	2.9863221	Ω	320.82956	+0.81344136		+0.26768457	
<i>e</i>	0.0976180	<i>i</i>	10.10353	+0.52683552		+0.03715157	
<i>P</i>	5.16	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

920229 809	0.6-	0.5+	970215 327	1.8-	0.1+	970217 327	0.2-	0.2+
920303 809	0.2-	0.3-	970215 327	0.5+	0.2-	970303 327	0.2+	0.1-
920305 809	0.8+	0.3-	970217 327	0.3-	0.1-	970303 327	0.8+	0.1-
970215 327	0.4+	0.4+	970217 327	0.8+	0.1-	970303 327	0.3-	0.0

1997 DC = 1993 BC₁₃

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	326.40749		(2000.0)	P	Q
<i>n</i>	0.26654871	ω	85.94588	-0.42963904	+0.90285615
<i>a</i>	2.3912134	Ω	158.58683	-0.84505667	-0.39569894
<i>e</i>	0.1662211	<i>i</i>	2.53657	-0.31826016	-0.16814616
<i>P</i>	3.70	<i>H</i>	14.5	<i>G</i>	0.15
				<i>U</i>	6

Residuals in seconds of arc

930122 809	0.3-	0.2+	930217 809	(0.9-	3.2+)	970219 596	1.8-	0.3+
930122 809	0.2-	0.1-	930217 809	(2.0-	4.2+)	970304 596	0.1-	1.3+
930122 809	0.2-	0.4+	970217 596	0.7+	0.2+	970304 596	0.3+	0.3+
930128 809	1.4+	0.6+	970217 596	0.1+	0.9-	970304 596	0.0	0.4+
930128 809	0.1+	0.1-	970217 596	0.2+	0.8-	970307 596	0.3+	0.0
930128 809	0.8-	0.7-	970219 596	0.4+	0.3-	970307 596	0.1-	0.4-
930217 809	(2.3+	2.5+)	970219 596	0.1-	0.3-			

1997 DE = 1975 XD₇ = 1978 TN = 1983 AF₆ = 1996 CC₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	116.28597		(2000.0)	P	Q
<i>n</i>	0.29055691	ω	347.62830	+0.13703473	-0.98295179
<i>a</i>	2.2576082	Ω	94.40165	+0.91898361	+0.07996536
<i>e</i>	0.1229177	<i>i</i>	7.06229	+0.36971693	+0.16556362
<i>P</i>	3.39	<i>H</i>	13.5	<i>G</i>	0.15
				<i>U</i>	2

Residuals in seconds of arc

751211 330	0.0	0.3+	960208 327	0.9+	0.4-	970220 327	0.5+	0.6+
751224 330	0.1-	0.1-	960208 327	0.3+	0.2+	970302 327	0.0	0.1+
781007 095	0.1-	0.2+	960208 327	0.1+	0.1+	970302 327	1.0+	0.3+
830115 095	(3.2+	10.4+)	970219 327	0.5-	0.3-	970302 327	0.1-	0.1+
960207 327	0.7-	0.5-	970219 327	1.3+	0.0	970309 327	1.5-	0.4+
960207 327	0.3-	0.1+	970219 327	0.5-	0.7-	970309 327	0.3+	0.3+
960207 327	0.1-	0.2+	970220 327	0.9+	1.3-	970309 327	1.2-	0.3+

1997 DG = 1980 RC₈ = 1991 RM₂₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	284.46197		(2000.0)	P	Q
<i>n</i>	0.26574300	ω	344.25977	-0.30916750	+0.94675588
<i>a</i>	2.3960442	Ω	267.66502	-0.86254448	-0.31893650
<i>e</i>	0.0879305	<i>i</i>	5.15791	-0.40054022	-0.04396370
<i>P</i>	3.71	<i>H</i>	13.5	<i>G</i>	0.15
				<i>U</i>	3

Residuals in seconds of arc

800913 675	0.2-	0.0	970227 587	0.2-	0.4+	970306 587	0.2-	0.2-
800914 675	0.1+	0.3+	970227 587	0.7+	0.1+	970306 587	0.1+	0.2+
910915 675	1.1-	0.5-	970228 587	0.6-	0.4-	970310 587	0.0	0.1-
910915 675	0.3+	0.2+	970228 587	0.5+	0.3+	970310 587	0.1+	0.3+
910917 675	1.6+	0.7+	970302 587	0.2+	0.4-	970312 587	0.4-	0.2+
910917 675	0.7-	0.8-	970302 587	0.2+	0.7-	970312 587	0.5-	0.2+

1997 EE₇ = 1989 TY₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	155.89091		(2000.0)	P	Q
<i>n</i>	0.18309320	ω	188.79258	+0.98332980	-0.18165779
<i>a</i>	3.0715287	Ω	181.73470	+0.17866376	+0.97339049
<i>e</i>	0.1012468	<i>i</i>	15.19565	+0.03379015	+0.13968322
<i>P</i>	5.38	<i>H</i>	14.5	<i>G</i>	0.15
				<i>U</i>	5

Residuals in seconds of arc

891007 809	0.0	0.1-	970303 691	0.2+	0.0	970309 691	0.0	0.0
891007 809	0.1-	0.3-	970303 691	0.1+	0.0	970309 691	0.5+	0.1-
891007 809	1.6-	0.6-	970303 691	0.2-	0.2+	970309 691	0.3+	0.0
891008 809	0.9+	0.0	970308 691	0.2+	0.1-	970310 691	0.4-	0.1+
891008 809	0.5+	0.7+	970308 691	0.1+	0.1-	970310 691	0.3-	0.1+
891008 809	0.4+	0.4+	970308 691	0.2+	0.3-	970310 691	0.6-	0.1+

1997 EP₁₇ = 1980 FF₇ = 1985 VO₄ = 1991 NQ₁ = 1995 SZ₅₁

Epoch 1997 June 1.0 TT = JDT 2450600.5

Nakano

<i>M</i>	358.90725		(2000.0)	P	Q
<i>n</i>	0.28861319	ω	356.61004	-0.96268700	+0.26907089
<i>a</i>	2.2677331	Ω	199.07494	-0.24616097	-0.91503053
<i>e</i>	0.1106308	<i>i</i>	5.07154	-0.11242115	-0.30053283
<i>P</i>	3.41	<i>H</i>	13.3	<i>G</i>	0.15
				<i>U</i>	2

Residuals in seconds of arc

800323 809	0.4-	0.6-	950926 691	0.2-	0.5-	970301 399	1.5+	0.6-
851111 095	0.4+	0.3+	950926 691	0.3-	0.4-	970301 399	0.1+	0.8-
910713 675	0.3-	0.2+	950926 691	0.3-	0.5-	970303 399	1.0-	0.3-
910713 675	0.3+	0.5-	950929 691	0.0	0.2+	970303 399	0.7-	0.5+
910719 675	1.4-	0.1+	950929 691	0.1+	0.4+	970308 399	1.0+	1.7+
910719 675	1.5+	0.4+	950929 691	0.1+	0.3+	970308 399	0.6-	0.1+

2725 P-L = 1997 BZ₅

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

Marsden

<i>M</i>	51.78432		(2000.0)	P	Q
<i>n</i>	0.22325068	ω	262.64420	+0.03497603	-0.99938567
<i>a</i>	2.6911682	Ω	185.35292	+0.92608614	+0.03324874
<i>e</i>	0.1727829	<i>i</i>	1.36869	+0.37568756	+0.01108192
<i>P</i>	4.41	<i>H</i>	15.5	<i>G</i>	0.15
				<i>U</i>	4

Residuals in seconds of arc

600924 675	0.1+	0.2+	970201 118	0.0	0.5+	970222 118	0.0	0.2+
600926 675	0.2+	1.2+	970202 118	0.1+	0.3-	970222 118	0.4+	0.5-
600928 675	0.6-	0.1-	970203 118	0.1+	0.1-	970223 118	0.1-	0.0
600929 675	1.1+	0.8+	970203 118	0.2-	0.0	970223 118	0.6+	0.1-
601017 675	0.0	0.7-	970206 118	0.0	0.0	970223 118	0.6-	0.9-
601022 675	0.8-	1.5-	970206 118	0.0	0.1-	970304 118	0.0	0.3-
970126 118	0.3+	0.1+	970211 118	0.2-	0.1+	970304 118	0.0	0.1-
970126 118	0.1-	0.4+	970211 118	0.2-	0.3+	970304 118	0.3-	0.1+
970126 118	0.3+	0.0	970211 118	0.4-	0.5+			
970201 118	0.3+	0.6+	970222 118	0.0	0.5-			

3541 P-L = 1982 RL₂ = 1993 TQ₃₉

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5

Williams

<i>M</i>	249.71234		(2000.0)	P	Q
<i>n</i>	0.18026807	ω	34.65907	+0.94657970	+0.30073642
<i>a</i>	3.1035364	Ω	307.41495	-0.31895812	+0.82005102
<i>e</i>	0.2985517	<i>i</i>	8.42577	-0.04746138	+0.48690238
<i>P</i>	5.47	<i>H</i>	12.5	<i>G</i>	0.15
				<i>U</i>	4

Residuals in seconds of arc

601017 675	0.1−	0.1+	820912 095	0.0	0.1+	931014 675	0.3+	0.1+
601022 675	0.2+	0.1−	931012 675	0.6−	0.1+	931014 675	0.3+	0.3−
601025 675	0.1−	0.1+	931012 675	0.1+	0.1+			

6755 P-L = 1996 TP₂₉

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	36.91666	(2000.0)	P	Q	
<i>n</i>	0.19341107	ω 30.04253	+0.70031896	−0.71381682	
<i>a</i>	2.9612961	Ω 15.50629	+0.65164597	+0.63681440	
<i>e</i>	0.1189113	<i>i</i> 0.93157	+0.29139472	+0.29143261	
<i>P</i>	5.10	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

600924 675	0.3−	0.4−	601026 675	0.7+	0.2+	961012 691	0.4+	0.5−
600926 675	0.1+	0.1+	961007 691	0.2+	0.0	961018 691	0.2−	0.1+
600927 675	1.0+	0.1+	961007 691	0.1+	0.1+	961018 691	0.6−	0.0
600928 675	0.5+	0.5−	961007 691	0.2+	0.1−	961018 691	0.3−	0.1−
601017 675	1.4−	0.2+	961012 691	0.3+	0.1+			
601022 675	0.7−	0.7+	961012 691	0.1+	0.1+			

1064 T-1 = 1997 EL₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	352.41045	(2000.0)	P	Q	
<i>n</i>	0.30298838	ω 218.18107	−0.84326340	+0.53744638	
<i>a</i>	2.1954257	Ω 354.31319	−0.47227403	−0.74763600	
<i>e</i>	0.0859550	<i>i</i> 4.41664	−0.25663997	−0.39011767	
<i>P</i>	3.25	<i>H</i> 16.5	<i>G</i> 0.15	<i>U</i> 6	

Residuals in seconds of arc

710324 675	0.6+	0.5−	970304 120	0.1+	0.1+	970308 120	0.2−	0.4−
710325 675	0.2−	0.4+	970304 120	0.5+	0.5−	970308 120	0.3+	0.3+
710325 675	1.7−	0.8−	970304 120	0.3−	0.3+	970308 120	0.2+	0.3+
710326 675	1.2+	0.2+	970306 120	0.8−	0.3−	970308 120	0.5−	0.2+
710327 675	0.3−	0.9+	970306 120	0.0	0.4+	970308 120	0.6+	0.2−
710327 675	0.3+	0.3−	970306 120	0.0	0.0			

1503 T-2 = 1997 EF₁₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	79.62062	(2000.0)	P	Q	
<i>n</i>	0.26648025	ω 230.04950	+0.06152323	−0.99785900	
<i>a</i>	2.3916229	Ω 216.44149	+0.92675752	+0.06536509	
<i>e</i>	0.1526653	<i>i</i> 2.14070	+0.37058790	+0.00219629	
<i>P</i>	3.70	<i>H</i> 16.5	<i>G</i> 0.15	<i>U</i> 6	

Residuals in seconds of arc

730919 675	0.5−	1.2+	730929 675	1.8−	0.7+	731005 675	1.4−	1.2−
730919 675	1.0−	1.7+	730930 675	(0.4+	3.1+)	970309 691	0.7+	0.1−
730920 675	0.9+	0.7−	730930 675	0.8+	0.1−	970309 691	0.5+	0.4−
730924 675	0.9+	0.8−	731004 675	0.3+	0.8+	970310 691	0.5−	0.3+
730924 675	2.2+	0.8−	731004 675	0.4+	1.6−	970310 691	0.3−	0.2+
730925 675	0.7−	0.7−	731004 675	0.3−	0.3+	970310 691	0.4−	0.1+
730925 675	0.7−	1.6−	731004 675	1.2+	0.7+			
730929 675	0.2−	1.3+	731005 675	0.3−	0.8+			

2200 T-2 = 1991 HU₄ = 1996 TR₁₈

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	158.28962	(2000.0)	P	Q	
<i>n</i>	0.26006468	ω 308.43534	+0.25627943	+0.96660022	
<i>a</i>	2.4307957	Ω 336.41379	−0.88511201	+0.23375462	
<i>e</i>	0.1222935	<i>i</i> 0.31625	−0.38845539	+0.10508474	
<i>P</i>	3.79	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

730919 675	1.0+	1.0+	730930 675	0.3−	0.0	961004 691	0.6−	0.0
730919 675	0.3+	1.2+	730930 675	0.3+	0.5+	961004 691	0.3−	0.1−
730920 675	1.7−	1.2−	731004 675	0.4+	0.6−	961004 691	0.4−	0.2−
730924 675	(2.8−	1.2+)	731004 675	1.0−	0.7−	961018 691	0.4+	0.3−
730924 675	(3.8−	0.3+)	731005 675	1.0+	0.9−	961018 691	0.5+	0.3−
730925 675	0.5−	0.8−	731005 675	0.7+	0.2−	961018 691	0.5+	0.3−
730925 675	0.0	0.6−	910419 809	0.6−	0.0	961021 691	0.1−	0.4+
730929 675	0.1−	1.0+	910419 809	0.2−	0.7−	961021 691	0.3+	0.1−
730929 675	0.3+	0.5+	910419 809	0.0	1.3−	961021 691	0.1+	0.5−

3042 T-2 = 1996 NS₂

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	301.43603	(2000.0)	P	Q	
<i>n</i>	0.29652914	ω 322.97074	−0.32167259	−0.94595679	
<i>a</i>	2.2271927	Ω 145.73853	+0.88528548	−0.31588463	
<i>e</i>	0.0452688	<i>i</i> 4.19072	+0.33585169	−0.07336659	
<i>P</i>	3.32	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

730919 675	0.1+	2.1+	730930 675	0.0	0.2−	960716 809	2.1+	1.4+
730919 675	1.9−	0.5+	730930 675	1.4−	0.2+	960716 809	1.0+	1.0+
730920 675	0.8+	1.2+	731004 675	0.7+	1.1+	960716 809	0.6−	0.1+
730924 675	0.0	1.3−	731004 675	1.2−	0.5+	960809 566	0.3+	0.4−
730924 675	1.0+	0.5−	731005 675	(0.4+	3.0+)	960809 566	0.2+	0.5−
730925 675	(1.8+	2.8−)	731005 675	0.1+	0.8−	960809 566	0.3+	0.4−
730925 675	2.4+	1.6−	960714 809	0.6−	0.2−	960817 566	0.3−	0.0
730929 675	0.2−	0.2−	960714 809	0.6−	1.4−	960817 566	0.2−	0.1+
730929 675	0.6−	0.7−	960714 809	1.1−	0.2+	960817 566	0.4−	0.1+

4125 T-2 = 1996 RJ₂₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

		Williams			
<i>M</i>	39.40392	(2000.0)	P	Q	
<i>n</i>	0.17037960	ω 185.81662	+0.99965715	+0.00903371	
<i>a</i>	3.2224857	Ω 173.51160	−0.00420112	+0.98177520	
<i>e</i>	0.0704925	<i>i</i> 12.56111	−0.02584431	+0.18983111	
<i>P</i>	5.78	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

730919 675	1.1−	1.8−	730930 675	1.6+	1.2−	960912 691	0.9−	0.2+
730919 675	2.0−	0.5−	731004 675	0.5+	0.9+	961005 809	(4.1+	0.4−)
730920 675	0.8−	0.4−	731004 675	0.6−	0.4+	961005 809	(4.3+	0.8−)
730924 675	(3.4−	0.8+)	731005 675	0.9+	0.5+	961005 809	(3.6+	0.9−)
730924 675	1.1−	1.5+	731005 675	0.3+	0.4+	961006 809	(4.6+	0.6−)
730925 675	0.7−	1.5−	960911 566	0.8+	0.1+	961006 809	(4.9+	0.6+)
730925 675	0.7+	0.3+	960911 566	0.7+	0.2+	961006 809	(5.6+	0.5+)
730929 675	0.1+	1.0+	960911 566	1.1+	0.3+	961016 566	0.8+	0.2−

730929 675 0.7+ 0.2- 960912 691 1.1- 0.2- 961016 566 0.7- 0.4-
 730930 675 1.5+ 0.8+ 960912 691 0.8- 0.3+ 961016 566 0.1+ 0.3-

3357 T-3 = 1992 WF₂ = 1996 NL₅

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	346.17199	ω	29.59194	+0.71435636	-0.69971844		
<i>a</i>	2.8761655	Ω	14.82463	+0.63457344	+0.64204493		
<i>e</i>	0.0459578	<i>i</i>	2.11417	+0.29497719	+0.31332476		
<i>P</i>	4.88	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

771007 675 0.3- 0.1- 921118 399 0.6- 0.9+ 921128 675 1.6+ 1.7-
 771011 675 2.3- 1.5+ 921118 399 0.7- 1.2- 921128 675 1.2+ 0.7-
 771011 675 1.5- 1.3+ 921121 399 0.9+ 2.1+ 960714 809 0.7- 0.5-
 771012 675 0.9+ 0.3- 921121 399 0.4+ 1.1+ 960714 809 1.0- 0.5+
 771016 675 0.7+ 1.1- 921125 691 0.2- 0.1+ 960714 809 0.7- 0.7-
 771016 675 0.7+ 0.8- 921125 691 0.5- 0.1+ 960715 809 (3.0+ 2.2+)
 771017 675 0.5+ 0.8- 921125 691 0.7- 0.3+ 960715 809 1.5+ 0.9+
 771017 675 0.4- 1.4- 921125 691 1.1- 0.3+ 960715 809 1.8+ 0.7+
 771021 675 1.6- 0.2+ 921125 691 1.0- 0.0 960721 809 0.5+ 0.1+
 771021 675 0.0 0.9+ 921125 691 0.7- 0.0 960721 809 0.8- 0.4-
 771022 675 2.0+ 0.5+ 921125 675 0.6+ 0.6- 960721 809 0.7- 0.6-
 771022 675 1.4+ 0.2- 921125 675 0.8+ 0.6-

3464 T-3 = 1996 RX₄

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	68.46835	ω	351.78060	+0.99987858	+0.01447255		
<i>a</i>	2.4393541	Ω	7.39751	-0.01047805	+0.89881686		
<i>e</i>	0.2133165	<i>i</i>	2.57158	-0.01153415	+0.43808537		
<i>P</i>	3.81	<i>H</i>	16.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

771007 675 0.4- 1.3- 771017 675 0.3- 0.8- 960917 566 0.1+ 0.1-
 771011 675 0.1- 1.1- 771017 675 0.3- 0.9- 960917 566 0.2- 0.4-
 771011 675 0.1- 0.1- 771021 675 1.8- 1.8+ 960917 566 0.0 0.1+

771011 675 0.1+ 0.2- 771021 675 1.2- 0.2+ 961001 817 0.2- 0.4+
 771011 675 0.4+ 0.8+ 771022 675 1.1+ 0.8+ 961001 817 0.7+ 0.2+
 771012 675 1.6+ 0.0 771022 675 0.1- 0.3+ 961001 817 0.6- 0.1-
 771012 675 0.9+ 2.1+ 960915 566 0.0 0.0 961002 817 0.1- 0.1+
 771016 675 0.3+ 1.6- 960915 566 0.3+ 0.0 961002 817 0.2- 0.3+
 771016 675 0.3+ 0.8- 960915 566 0.0 0.1+ 961002 817 0.2- 0.2+

4012 T-3 = 1991 GF₁₀

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	290.63127	ω	286.09068	+0.83005273	+0.54428299		
<i>a</i>	3.0493339	Ω	41.14766	-0.41448488	+0.74788162		
<i>e</i>	0.0690690	<i>i</i>	10.64300	-0.37311493	+0.38003829		
<i>P</i>	5.32	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

771007 675 0.8+ 1.5+ 771016 675 0.8- 0.1- 910411 033 0.1- 0.2-
 771011 675 0.6+ 0.5- 771016 675 1.0- 0.2+ 910412 033 0.1+ 0.4-
 771011 675 0.2+ 0.4- 910409 033 0.3- 0.3+ 910413 033 0.8+ 0.7-
 771012 675 0.3- 1.1- 910409 033 0.2- 0.7+ 910419 675 0.1+ 0.7-
 771012 675 0.3+ 0.5+ 910411 033 0.7- 0.3+ 910419 675 0.5+ 0.8+

4388 T-3 = 1993 FS₈ = 1997 CU₁₇

Epoch 1997 June 1.0 TT = JDT 2450600.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	186.85239	ω	204.77774	+0.96410809	+0.25643947		
<i>a</i>	2.6934860	Ω	140.16381	-0.22216770	+0.92106863		
<i>e</i>	0.1461875	<i>i</i>	6.16609	-0.14538608	+0.29303818		
<i>P</i>	4.42	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

771016 675 0.4+ 0.1- 771022 675 0.9- 1.0- 970203 691 0.2+ 0.1+
 771016 675 0.7- 0.1- 771022 675 1.2- 1.0+ 970203 691 0.3+ 0.2-
 771017 675 1.4+ 0.0 930317 809 0.5- 1.1- 970207 691 0.1- 0.3+
 771017 675 1.0+ 0.8- 930318 809 0.0 0.5+ 970211 691 0.1- 0.0
 771021 675 0.1+ 1.9+ 930323 809 0.4+ 0.4+ 970211 691 0.4- 0.2+
 771021 675 0.0 1.0- 970203 691 0.1+ 0.5- 970211 691 0.1- 0.0

Object	<i>H</i>	Epoch	<i>M</i>	ω	Ω	<i>i</i>	<i>e</i>	<i>a</i>	Obs.	Opp.	& Arc	rms	Perts	<i>U</i>	Computer	<i>MPC</i>	Object
1975 TO ₂	14.5	970601	12.83125	186.81181	189.42864	5.24617	0.2085317	2.3441482	21	4	1975-1993	0.91	M-v	2	Williams	28610	1975 TO ₂
1977 QH ₃	13.5	970601	64.27540	278.22274	127.64717	9.13479	0.2876280	2.4106549	22	3	1977-1997	0.66	M-v	2	Williams	28610	1977 QH ₃
1978 RR ₁	15.0	970601	200.72647	160.97855	149.53336	3.38925	0.1736868	2.2721690	15	4	1978-1997	0.65	M-v	2	Williams	28838	1978 RR ₁
1978 RC ₉	15.5	970601	252.49816	328.54981	338.57176	4.01971	0.1655520	2.2277522	37	4	1978-1997	0.65	M-v	2	Williams	26418	1978 RC ₉
1978 ST ₇	13.5	970601	52.14594	137.02804	322.18062	5.65510	0.1268945	2.3036694	17	4	1978-1997	0.80	M-v	3	Williams	28882	1978 ST ₇
1978 VX ₈	14.5	970601	93.98298	12.31390	59.07381	1.42921	0.1715720	3.1793094	24	3	1978-1997	0.44	M-v	4	Marsden	26418	1978 VX ₈
1979 MO ₄	14.5	970601	356.36990	42.72726	160.82666	2.24830	0.0310893	2.8381744	14	5	1979-1997	0.91	M-v	2	Williams	26913	1979 MO ₄
1979 MM ₈	14.5	970601	210.81638	154.62441	178.34989	3.64458	0.1254624	2.4503597	36	5	1978-1997	0.80	M-v	2	Williams	29132	1979 MM ₈
1979 QX	13.5	970601	56.59530	143.80318	289.01691	2.36611	0.1431253	2.5345300	30	4	1979-1996	0.58	M-v	3	Williams	28838	1979 QX
1981 DT	13.5	970601	14.93063	186.30224	329.35722	14.85806	0.0632356	3.0985993	25	2	1981-1997	0.84	M-v	4	Williams	29093	1981 DT
1981 EK ₅	14.0	970601	263.12544	316.62561	295.55785	6.70422	0.1316072	3.1607470	23	3	1981-1997	0.95	M-v	4	Marsden	22270	1981 EK ₅
1981 EC ₁₀	14.5	970601	304.46101	32.75440	211.00985	6.95495	0.1332313	3.0889886	28	4	1978-1997	0.70	M-v	2	Williams	24238	1981 EC ₁₀
1981 EA ₁₆	14.5	970601	275.27845	283.27378	333.25885	6.58384	0.1174631	2.2093595	24	3	1981-1997	0.79	M-v	4	Williams	29093	1981 EA ₁₆
1981 EU ₂₆	14.0	970601	125.63208	191.43775	176.56883	5.40405	0.1598295	3.1665957	21	4	1981-1997	0.74	M-v	2	Williams	29132	1981 EU ₂₆
1981 EF ₃₇	13.0	970601	245.41466	296.95211	1.96826	15.20276	0.1212232	2.5478709	26	5	1954-1997	0.88	M-v	2	Williams	28611	1981 EF ₃₇

1981 QQ ₂	15.0	970601	187.11627	199.55714	140.04321	5.53358	0.1080984	2.2948972	74	4	1981–1997	0.94	M-v	2	Williams	22430	1981 QQ ₂
1981 UU ₁₁	13.5	970601	97.82536	216.92004	199.24867	8.73896	0.1325147	2.8075419	22	4	1981–1997	0.68	M-v	1	Williams	25972	1981 UU ₁₁
1981 UD ₂₃	14.0	970601	131.30097	299.76280	77.41126	3.32185	0.0826563	2.3591855	17	5	1981–1997	0.53	M-v	2	Williams	29132	1981 UD ₂₃
1981 VL	14.5	970601	148.79953	4.56964	24.36462	3.76284	0.1562337	2.3263576	22	4	1981–1997	0.84	M-v	3	Marsden	28883	1981 VL
1981 WH	14.0	970601	87.93064	273.76787	136.33668	4.03231	0.2812721	2.3723983	19	4	1953–1997	0.66	M-v	2	Williams	21968	1981 WH
1982 FX ₂	13.0	970601	154.37757	18.85870	16.35931	2.64999	0.1209440	2.9057804	44	4	1982–1997	0.64	M-v	1	Williams	27709	1982 FX ₂
1982 FK ₃	14.0	970601	11.59879	298.92399	188.66909	4.45822	0.2215149	2.4650642	46	5	1978–1997	0.52	M-v	2	Williams	28883	1982 FK ₃
1983 VH ₁	11.5	970601	183.29537	320.09034	79.21898	11.10936	0.1108927	3.0780609	53	5	1954–1997	0.79	M-v	2	Marsden	29133	1983 VH ₁
1984 BC	16.0	970601	9.74559	43.79447	129.49098	21.38627	0.5346344	3.4913571	50	2	1984–1997	0.60	M-v	2	Williams	29133	1984 BC
1984 BS	13.5	970601	109.05830	310.71856	110.45460	6.38459	0.1070095	2.1767081	17	3	1984–1997	0.62	M-v	5	Marsden	18424	1984 BS
1984 DD ₁	15.0	970601	276.24713	279.99761	328.28557	3.25037	0.1071423	2.2310417	42	4	1984–1997	0.55	M-v	2	Williams	29133	1984 DD ₁
1984 HJ ₁	14.0	970601	271.92509	177.64108	81.67507	2.99153	0.1425892	2.2644975	26	4	1984–1997	0.61	M-v	2	Williams	29094	1984 HJ ₁
1984 MR	13.5	970601	209.29383	184.19810	147.96678	7.69069	0.1508334	2.2997044	20	5	1981–1997	0.77	M-v	2	Williams	29133	1984 MR
1984 SS ₅	13.0	970601	113.05911	277.79652	83.88147	6.18334	0.1629592	3.1203699	49	4	1984–1997	0.69	M-v	1	Williams	29133	1984 SS ₅
1985 JK	14.5	970601	116.17320	135.79447	108.73812	5.57286	0.1197195	2.3466695	23	5	1985–1995	0.90	M-v	2	Williams	28883	1985 JK
1985 PX	14.5	970601	257.42149	143.22775	147.88198	5.21494	0.1785233	2.1909640	17	4	1982–1997	0.74	M-v	3	Williams	29094	1985 PX
1985 RV ₂	15.5	970601	94.40173	210.14629	141.60018	5.89588	0.2416509	2.3370043	35	2	1985–1996	0.69	M-v	5	Williams	28582	1985 RV ₂
1985 TN	14.5	970601	124.68635	4.89131	25.87239	4.98725	0.1605601	2.2850065	16	4	1985–1997	0.86	M-v	3	Williams	27726	1985 TN
1986 PX	15.5	970601	167.50291	152.53100	195.64740	2.75479	0.1781456	2.1153496	23	6	1980–1997	0.89	M-v	3	Williams	28612	1986 PX
1986 QA ₁	13.5	970601	336.25959	121.35552	51.59953	3.32855	0.0340789	2.6586169	46	4	1986–1997	0.62	M-v	2	Williams	29133	1986 QA ₁
1986 RE ₁	14.5	970601	86.46671	153.49906	199.53692	3.20460	0.2432457	2.2135977	54	4	1986–1996	0.66	M-v	3	Williams	29133	1986 RE ₁
1986 TG ₃	13.0	970601	51.42799	225.84660	185.76518	1.86338	0.0697147	2.8379142	14	3	1986–1996	0.65	M-v	6	Williams	28583	1986 TG ₃
1986 WO ₉	13.0	970601	56.95153	266.71512	194.63730	3.28180	0.0230599	2.7689310	36	7	1986–1997	0.83	M-v	1	Williams	28612	1986 WO ₉
1987 BM ₁	12.5	970601	351.65962	48.45777	93.49958	14.48572	0.1165325	3.0077520	17	4	1987–1996	0.91	M-v	1	Williams	28841	1987 BM ₁
1987 JG	14.5	970601	286.25895	14.02700	246.10346	5.82700	0.0817508	2.3139981	36	4	1987–1997	0.78	M-v	2	Williams	28883	1987 JG
1987 OA	19.5	970601	93.16051	235.44172	180.33193	9.01544	0.5952989	1.4965216	56	3	1987–1997	0.71	M-v	2	Marsden	29133	1987 OA
1987 QF ₃	14.0	970601	227.03746	169.40179	135.31436	5.41582	0.0996618	2.4440498	33	3	1987–1997	0.81	M-v	4	Marsden	29133	1987 QF ₃
1987 RQ ₂	14.5	970601	140.79819	298.29251	60.29178	3.04671	0.2629462	2.5342691	21	6	1955–1997	0.60	M-v	3	Williams	29133	1987 RQ ₂
1988 BC	12.5	970601	31.48783	53.41401	83.69405	12.67139	0.2277066	2.6785385	32	4	1988–1997	0.83	M-v	1	Williams	29133	1988 BC
1988 BY ₂	13.5	970601	22.72866	206.53936	329.71391	10.25328	0.0663637	2.6719781	18	4	1988–1995	0.78	M-v	4	Marsden	27932	1988 BY ₂
1988 JD	12.5	970601	127.05236	344.78741	115.35064	3.65050	0.0332097	2.7218914	21	3	1988–1996	0.68	M-v	4	Williams	28613	1988 JD
1988 RV ₁	14.5	970601	61.07067	91.72161	11.22030	4.55685	0.0812365	2.3263890	22	3	1983–1997	0.63	M-v	4	Williams	29133	1988 RV ₁
1988 RR ₅	15.0	970601	299.82082	260.00124	15.11959	2.51551	0.1023109	2.1986935	33	5	1951–1997	0.84	M-v	1	Williams	28841	1988 RR ₅
1988 RD ₆	14.0	970601	93.57421	312.91465	49.44564	2.08559	0.1960836	2.4261744	34	4	1988–1997	0.80	M-v	4	Williams	23868	1988 RD ₆
1988 RS ₆	16.0	970601	246.70303	143.68320	187.60290	1.13233	0.2537552	2.2062208	27	3	1988–1997	0.51	M-v	5	Williams	19022	1988 RS ₆
1988 RG ₉	15.0	970601	192.83965	260.38280	121.18728	3.06211	0.1241265	2.2228839	27	2	1988–1996	0.69	M-v	4	Williams	29096	1988 RG ₉
1988 RA ₁₁	13.5	970601	162.96284	209.75911	121.48097	3.10990	0.0814748	3.3348093	32	6	1977–1997	0.76	M-v	1	Williams	29133	1988 RA ₁₁
1988 RZ ₁₁	13.0	970601	193.69551	340.07834	7.03414	5.26735	0.3053100	3.1681891	22	3	1988–1994	0.54	M-v	3	Williams	28613	1988 RZ ₁₁
1988 TM ₁	14.0	970601	88.16316	193.57353	213.40712	1.79682	0.1874399	2.4209767	24	3	1982–1997	0.77	M-v	3	Williams	28613	1988 TM ₁
1988 VF ₂	14.0	970601	208.59246	303.26504	33.86772	7.49169	0.1620767	2.3192605	20	4	1981–1997	0.77	M-v	4	Williams	26579	1988 VF ₂
1988 VT ₂	14.0	970601	116.15040	111.79834	276.05142	1.63317	0.1696180	2.4049789	17	2	1988–1997	0.69	M-v	5	Marsden	28842	1988 VT ₂
1989 SS ₂	15.0	970601	204.10905	135.31585	145.22947	5.89719	0.1122225	2.2066471	24	3	1989–1997	1.04	M-v	5	Williams	24760	1989 SS ₂
1989 SC ₈	14.5	970601	69.98350	96.64102	295.55590	3.80612	0.2016696	2.2825909	17	3	1989–1996	0.47	M-v	4	Williams	29096	1989 SC ₈
1990 EL ₈	13.5	970601	243.35541	290.35383	352.45837	4.21811	0.0364762	2.3824034	21	4	1990–1997	0.62	M-v	2	Williams	29134	1990 EL ₈
1990 GN	15.0	970601	9.55932	173.95589	357.57680	1.71349	0.1633510	2.3336018	18	3	1977–1997	0.52	M-v	4	Williams	18120	1990 GN
1990 OO ₂	12.5	970601	220.63594	353.57777	330.37030	15.07775	0.1388360	2.6019236	28	8	1975–1997	0.76	M-v	2	Williams	26189	1990 OO ₂
1990 OV ₄	13.5	970601	112.94913	70.08689	282.14890	16.36585	0.2266630	2.8932172	17	3	1990–1996	0.30	M-v	3	Williams	28843	1990 OV ₄
1990 QR ₁	13.5	970601	182.07746	193.68946	129.45865	1.13159	0.0655301	2.7845086	50	2	1990–1997	0.71	M-v	5	Williams	29134	1990 QR ₁
1990 SO ₇	15.0	970601	160.98499	190.74842	154.59377	7.63228	0.1313167	2.8129429	16	3	1990–1997	0.65	M-v	4	Williams	24738	1990 SO ₇
1990 SF ₉	13.0	970601	98.24426	287.99692	34.31614	5.68646	0.1643155	3.1438659	21	3	1979–1996	0.71	M-v	5	Williams	29097	1990 SF ₉
1990 SC ₁₃	12.5	970601	257.80976	316.94659	267.17856	0.90528	0.0078978	2.9078499	46	4	1985–1997	0.57	M-v	2	Williams	29097	1990 SC ₁₃
1990 TM ₁	11.5	970601	107.25398	242.86790	86.46939	6.62796	0.0489245	3.2556599	21	4	1979–1996	0.76	M-v	3	Williams	28885	1990 TM ₁

1990 UG	12.0	970601	75.34420	222.00700	205.81412	11.57542	0.0376484	2.9382466	23	4	1980–1997	0.74	M-v	2	Williams	28885	1990 UG
1990 UL ₁	14.5	970601	345.20292	285.57835	106.53389	4.51103	0.1754650	2.2588475	27	3	1989–1992	0.81	M-v	4	Williams	29097	1990 UL ₁
1990 UL ₂	13.5	970601	355.48227	352.33024	63.03754	5.40690	0.1286825	2.2068523	20	4	1988–1993	0.77	M-v	3	Williams	29097	1990 UL ₂
1990 UT ₅	12.5	970601	267.23886	181.11501	111.09975	4.80682	0.0680088	2.7410718	24	4	1949–1997	0.85	M-v	1	Williams	25063	1990 UT ₅
1991 BH ₂	12.0	970601	96.34890	117.41982	341.28548	11.01306	0.0854398	3.0564626	22	5	1986–1997	0.81	M-v	1	Williams	26757	1991 BH ₂
1991 BA ₃	12.5	970601	288.69795	145.53915	140.20798	10.82308	0.0552035	3.0000100	17	3	1988–1997	0.64	M-v	4	Williams	28845	1991 BA ₃
1991 CS	17.5	970601	177.68516	249.42100	156.91815	37.12220	0.1645835	1.1227302	166	2	1991–1997	0.61	M-v	1	Williams	29135	1991 CS
1991 OW	15.0	970601	285.52811	336.52077	282.46413	5.88374	0.1983614	2.2937227	19	4	1950–1997	0.73	M-v	3	Williams	28886	1991 OW
1991 PY ₂	13.5	970601	24.78000	168.53855	324.21727	9.44649	0.1257208	2.3918895	17	4	1975–1997	0.75	M-v	2	Williams	29135	1991 PY ₂
1991 PO ₁₃	14.5	970601	251.68991	334.84424	348.53626	4.95585	0.1837314	2.2764468	23	4	1950–1997	0.76	M-v	2	Williams	27120	1991 PO ₁₃
1991 RW	14.5	970601	261.69507	140.93536	166.78060	21.55386	0.1800627	2.3058310	31	4	1991–1997	0.73	M-v	2	Williams	26420	1991 RW
1991 RD ₂₄	14.0	970601	259.42986	138.28571	121.43746	5.61074	0.1054896	2.4192956	32	6	1982–1997	0.71	M-v	1	Williams	29135	1991 RD ₂₄
1991 RQ ₂₇	14.5	970601	214.16674	212.61412	111.17311	4.61729	0.2231693	2.4314832	17	3	1991–1997	0.73	M-v	4	Marsden	26399	1991 RQ ₂₇
1991 TL	15.5	970601	326.99433	171.58061	140.88164	5.64469	0.1349483	2.1657685	24	3	1991–1995	0.50	M-v	3	Williams	29135	1991 TL
1991 VH	17.0	970601	250.54691	207.06883	139.48803	13.91672	0.1438604	1.1365314	114	2	1991–1997	0.59	M-v	2	Marsden	29135	1991 VH
1992 AF	12.5	970601	4.17259	261.79980	228.49467	7.87502	0.2366941	3.0070123	31	4	1982–1997	0.68	M-v	3	Williams	28886	1992 AF
1992 BF ₄	14.0	970601	41.73827	76.24265	39.24438	2.35817	0.0287576	2.8680283	24	3	1978–1997	0.56	M-v	5	Williams	28846	1992 BF ₄
1992 BB ₅	12.5	970601	34.47371	316.68810	101.57048	6.89096	0.2014654	3.1921094	20	4	1979–1997	0.76	M-v	2	Williams	28886	1992 BB ₅
1992 CC ₁	15.0	970601	191.09832	21.89208	349.30755	36.89494	0.3750184	1.3915021	116	4	1992–1997	0.62	M-v	2	Williams	29135	1992 CC ₁
1992 DC ₃	13.0	970601	125.29741	234.70065	158.98895	2.44908	0.0914577	2.9684945	22	2	1992–1997	0.60	M-v	5	Marsden	29099	1992 DC ₃
1992 EN ₉	12.0	970601	101.26672	239.70969	151.59267	2.56283	0.1677039	3.0545732	24	3	1990–1997	0.52	M-v	4	Williams	29100	1992 EN ₉
1992 EQ ₁₅	12.5	970601	205.54616	168.89563	176.88552	3.95390	0.1777661	2.8814467	23	8	1955–1997	0.74	M-v	1	Marsden	25975	1992 EQ ₁₅
1992 EA ₂₂	12.5	970601	279.71083	96.18013	142.94834	12.41070	0.0243024	3.0531291	15	3	1992–1997	0.77	M-v	3	Williams	28847	1992 EA ₂₂
1992 EQ ₂₇	14.0	970601	244.30443	131.05322	166.81733	1.87836	0.0707533	2.9236751	26	5	1989–1997	0.73	M-v	1	Williams	27729	1992 EQ ₂₇
1992 FZ	11.5	970601	20.18464	159.17787	354.86835	9.08923	0.0897976	3.1083205	19	3	1986–1997	0.87	M-v	4	Williams	29100	1992 FZ
1992 GA ₄	13.0	970601	293.93550	88.00909	158.06715	1.41928	0.0987029	3.2085289	24	4	1991–1997	0.40	M-v	1	Williams	29100	1992 GA ₄
1992 GZ ₄	13.5	970601	164.23521	308.13166	73.64543	2.41962	0.0301830	3.1489636	18	4	1989–1997	0.71	M-v	2	Williams	21581	1992 GZ ₄
1992 HK ₁	13.5	970601	247.45657	298.99031	39.68979	2.70571	0.0653642	2.9072969	29	6	1969–1995	0.81	M-v	1	Williams	29136	1992 HK ₁
1992 PY	14.0	970601	77.95086	83.59471	311.75312	21.38052	0.2953927	2.3423310	30	4	1985–1997	0.68	M-v	1	Williams	28886	1992 PY
1992 PV ₁	14.5	970601	139.57272	176.06591	151.93713	4.44118	0.1736372	2.2729759	26	3	1992–1997	0.67	M-v	4	Williams	23239	1992 PV ₁
1992 RL ₇	15.0	970601	52.87263	312.52182	112.07097	2.75371	0.1778119	2.3661897	24	4	1974–1997	0.78	M-v	1	Williams	29136	1992 RL ₇
1992 SM ₁₂	13.5	970601	155.45191	150.97811	149.85518	6.21927	0.1384984	2.3853459	17	5	1987–1996	0.79	M-v	2	Williams	29136	1992 SM ₁₂
1992 SS ₁₆	15.5	970601	190.68717	134.23592	207.59826	0.61346	0.0494194	2.1543525	20	3	1992–1997	0.63	M-v	5	Williams	25730	1992 SS ₁₆
1992 UX	13.5	970601	120.14325	305.31126	67.00315	7.62799	0.1266635	2.3401189	19	2	1992–1997	0.72	M-v	4	Williams	29101	1992 UX
1992 UY	14.0	970601	117.48279	206.84125	179.78587	6.51711	0.1816133	2.3108981	17	2	1992–1997	0.79	M-v	4	Williams	29101	1992 UY
1992 UD ₂	14.0	970601	106.05563	336.84466	45.88528	26.16029	0.2592725	2.3502628	24	2	1992–1997	0.54	M-v	3	Williams	29101	1992 UD ₂
1992 UU ₂	13.5	970601	116.55252	324.56775	73.92811	6.30368	0.1850724	2.2644918	24	4	1975–1997	0.70	M-v	2	Williams	29136	1992 UU ₂
1992 UY ₂	14.0	970601	101.67164	211.84369	205.43733	4.97312	0.0742511	2.2956295	21	2	1992–1997	0.64	M-v	4	Williams	29136	1992 UY ₂
1992 UE ₄	14.5	970601	86.62354	313.76827	90.88704	3.74090	0.2382877	2.3804216	16	3	1981–1997	0.54	M-v	4	Williams	29136	1992 UE ₄
1992 UH ₆	13.0	970601	172.87534	292.29297	64.79482	6.23779	0.1949942	2.2202072	18	3	1992–1997	0.69	M-v	4	Williams	29136	1992 UH ₆
1992 UJ ₆	14.5	970601	127.92195	185.30039	205.55542	6.55581	0.1970973	2.2849765	16	3	1985–1997	0.77	M-v	4	Williams	29136	1992 UJ ₆
1992 WZ	14.0	970601	122.48207	352.38495	58.46642	5.84558	0.1316987	2.2721438	24	3	1985–1997	0.84	M-v	4	Williams	29101	1992 WZ
1992 WG ₃	14.5	970601	57.41731	237.95115	207.22488	1.49586	0.1768642	2.4132372	21	3	1982–1997	0.93	M-v	3	Williams	29136	1992 WG ₃
1992 WJ ₃	13.5	970601	309.62342	43.47844	174.05747	5.74106	0.0697701	2.3134494	19	4	1992–1997	0.79	M-v	2	Williams	28317	1992 WJ ₃
1992 YB	14.0	970601	130.32328	257.71314	143.45569	6.38690	0.1057741	2.3398811	23	2	1992–1997	0.69	M-v	4	Williams	29101	1992 YB
1993 BF	13.0	970601	211.30046	39.74587	309.69648	9.49932	0.1572498	2.2581068	41	4	1981–1997	0.53	M-v	2	Williams	29136	1993 BF
1993 BH ₂	13.0	970601	326.57771	125.85844	113.92168	3.79086	0.1813206	2.4183005	13	6	1978–1997	0.93	M-v	2	Williams	28317	1993 BH ₂
1993 BR ₃	13.5	970601	12.64362	9.01061	120.67590	13.11664	0.1018447	2.6167781	27	2	1993–1997	0.61	M-v	4	Williams	29102	1993 BR ₃
1993 BM ₁₂	13.5	970601	3.36659	229.03090	322.47401	1.79641	0.1270171	2.4315543	32	6	1974–1997	0.71	M-v	2	Williams	29136	1993 BM ₁₂
1993 FO ₂₁	14.0	970601	126.33614	31.13107	6.18603	4.92999	0.0564074	2.7297523	25	4	1990–1997	0.47	M-v	3	Williams	29137	1993 FO ₂₁
1993 FT ₃₂	12.5	970601	104.96687	292.51061	89.75133	3.14321	0.0865543	2.9403493	13	4	1975–1997	0.54	M-v	2	Williams	29103	1993 FT ₃₂
1993 FX ₄₀	14.0	970601	294.81658	69.40415	182.16909	13.67122	0.0933401	2.6553152	11	4	1977–1997	0.48	M-v	1	Williams	24408	1993 FX ₄₀

1993 OD	14.0	970601	120.97130	104.71848	302.12409	20.29781	0.1500136	1.8204571	38	3	1992–1997	0.72	M-v	2	Williams	29137	1993 OD
1993 OB ₁₃	14.0	970601	279.69984	112.57726	174.96035	2.16649	0.0910782	2.9451456	21	3	1993–1997	0.70	M-v	5	Williams	24232	1993 OB ₁₃
1993 UL	14.0	970601	344.31869	131.22789	196.49339	12.70013	0.1925315	2.6709503	21	3	1992–1996	0.78	M-v	3	Williams	28616	1993 UL
1993 US	14.0	970601	334.14889	169.84663	166.71442	1.85724	0.0949385	2.6910761	31	3	1993–1996	0.75	M-v	5	Williams	29137	1993 US
1993 VM ₁	14.0	970601	109.42138	264.97878	170.62754	23.14635	0.1401129	1.9099903	50	4	1990–1997	0.58	M-v	2	Williams	25539	1993 VM ₁
1993 XF ₁	14.5	970601	42.46902	301.96586	83.27833	5.35824	0.1830409	2.2824152	23	3	1993–1996	0.54	M-v	4	Williams	29104	1993 XF ₁
1993 XN ₂	16.5	970601	68.18580	312.86896	59.74478	25.38022	0.5352214	2.1184570	96	3	1993–1997	0.56	M-v	1	Williams	28888	1993 XN ₂
1994 AM ₃	14.0	970601	325.08548	166.00603	2.64720	6.76560	0.0863336	2.2200239	47	3	1981–1997	0.69	M-v	3	Marsden	29137	1994 AM ₃
1994 BN ₄	14.0	970601	141.23863	74.94539	254.37813	5.69599	0.1495505	2.3073398	47	2	1994–1997	0.52	M-v	5	Williams	28888	1994 BN ₄
1994 BS ₄	14.5	970601	69.13322	342.89511	73.86938	2.47026	0.0221857	2.2736661	36	4	1978–1997	0.62	M-v	2	Williams	28852	1994 BS ₄
1994 CA	14.0	970601	176.76893	56.21030	333.10921	21.66336	0.0893167	1.9387723	47	3	1986–1997	0.52	M-v	4	Williams	29137	1994 CA
1994 CS ₈	9.5	970601	90.06926	22.21684	120.11478	6.91117	0.0203892	5.2602045	19	5	1988–1995	0.59	M-v	1	Williams	29137	1994 CS ₈
1994 EL ₃	14.0	970601	193.61608	147.36275	165.89508	12.98010	0.0837651	2.3911280	28	3	1994–1997	0.99	M-v	4	Williams	29137	1994 EL ₃
1994 FB	14.5	970601	57.66582	259.89779	193.60205	2.27910	0.0513312	2.2436705	46	3	1994–1997	0.77	M-v	3	Williams	29137	1994 FB
1994 HA	13.0	970601	228.12373	69.72048	201.37292	14.37344	0.1408340	2.5889504	22	4	1990–1995	0.72	M-v	2	Williams	29137	1994 HA
1994 JT	15.5	970601	68.15774	306.54965	169.13140	7.32250	0.0522705	2.2800623	27	3	1994–1997	0.33	M-v	3	Williams	26191	1994 JT
1994 JG ₉	14.0	970601	207.05754	202.22902	123.69212	8.98204	0.3068521	2.5524209	17	6	1954–1997	0.66	M-v	3	Williams	25532	1994 JG ₉
1994 JK ₉	13.0	970601	274.27299	132.33884	78.62703	15.15770	0.1617825	2.6099612	19	5	1954–1997	0.42	M-v	2	Williams	29137	1994 JK ₉
1994 NJ ₁	14.0	970601	276.11613	83.74171	224.20338	1.50064	0.2180382	2.3655449	18	5	1976–1997	0.78	M-v	2	Williams	26422	1994 NJ ₁
1994 NR ₁	12.0	970601	80.03548	302.79033	133.04809	11.45365	0.1903414	2.9951243	26	2	1994–1997	0.78	M-v	5	Williams	29105	1994 NR ₁
1994 PB	12.5	970601	94.16539	207.25069	232.90148	7.27123	0.1786330	3.0700505	65	4	1989–1997	0.62	M-v	1	Williams	27730	1994 PB
1994 PO	13.0	970601	350.38781	240.38539	317.70167	12.36963	0.1047746	2.5717606	22	3	1986–1997	0.57	M-v	3	Williams	29105	1994 PO
1994 PA ₁₀	15.0	970601	251.05470	123.97867	154.01087	8.21356	0.1955948	2.8077032	17	3	1993–1997	0.72	M-v	4	Williams	24748	1994 PA ₁₀
1994 PR ₂₇	13.0	970601	54.01654	129.49445	10.40849	4.70006	0.0560514	2.7385036	25	4	1981–1997	0.79	M-v	2	Williams	29105	1994 PR ₂₇
1994 QC	19.0	970601	355.04474	94.17535	162.60227	13.87111	0.1179088	1.3243678	109	2	1994–1997	0.62	M-v	3	Williams	28853	1994 QC
1994 RB ₁	13.5	970601	168.51444	186.58609	220.91568	8.56774	0.0242491	2.7097427	52	4	1990–1997	0.77	M-v	1	Williams	29138	1994 RB ₁
1994 RX ₁	12.0	970601	312.35525	92.58651	172.17563	22.23202	0.2265064	2.3746279	26	5	1954–1997	0.74	M-v	1	Williams	26422	1994 RX ₁
1994 UD ₁	13.0	970601	169.19142	331.68724	47.50071	2.11982	0.2354400	3.2881452	36	5	1976–1997	0.77	M-v	3	Williams	24764	1994 UD ₁
1994 VY	14.5	970601	15.10069	291.99440	256.19342	8.81295	0.0299768	2.9686322	24	3	1994–1997	0.37	M-v	3	Williams	26581	1994 VY
1994 VR ₆	13.5	970601	233.02126	280.93514	51.80395	30.34082	0.4261068	2.7376130	119	3	1994–1997	0.69	M-v	3	Williams	27456	1994 VR ₆
1995 BC	13.5	970601	242.54628	267.58921	114.97768	3.15089	0.1125457	2.9468873	24	5	1978–1996	0.63	M-v	1	Williams	28591	1995 BC
1995 GO	9.0	970601	335.92479	290.10462	6.11857	17.63609	0.6219421	18.0977088	85	3	1995–1997	0.59	M-v	2	Marsden	29138	1995 GO
1995 OA	14.5	970601	92.89986	150.64150	275.04170	6.15590	0.0861818	2.3268072	51	2	1995–1997	0.59	M-v	3	Williams	29138	1995 OA
1995 OB ₁	15.5	970601	156.51827	30.94056	285.25480	6.36458	0.1972628	2.6529240	30	2	1995–1997	0.56	M-v	4	Williams	29106	1995 OB ₁
1995 OX ₁	14.0	970601	176.36414	249.89160	70.11058	6.02029	0.2206715	2.3428302	22	4	1981–1997	0.68	M-v	2	Williams	29138	1995 OX ₁
1995 PB	14.0	970601	62.92570	271.88189	188.38434	8.35317	0.1467192	2.7753906	64	3	1988–1997	0.43	M-v	1	Marsden	29106	1995 PB
1995 PG	15.5	970601	52.88592	124.36887	332.54104	14.56273	0.1387750	2.5498735	38	3	1991–1997	0.44	M-v	2	Williams	29138	1995 PG
1995 PQ	14.0	970601	116.83910	255.86172	122.41672	14.92639	0.3717039	2.7476692	23	2	1995–1997	0.80	M-v	4	Williams	29107	1995 PQ
1995 PV	13.5	970601	199.41823	322.19349	343.03931	7.81768	0.1738001	2.2851911	38	3	1994–1997	0.44	M-v	2	Williams	29138	1995 PV
1995 QP	14.0	970601	119.31936	35.51734	348.76313	7.47626	0.2318344	2.7605921	27	3	1993–1997	0.42	M-v	3	Williams	29139	1995 QP
1995 QD ₂	15.5	970601	169.10072	105.35931	289.83112	3.77856	0.1122753	2.1769545	39	2	1995–1997	0.56	M-v	3	Marsden	29107	1995 QD ₂
1995 QH ₂	14.0	970601	193.00607	275.90560	45.62695	6.88929	0.1371087	2.2753947	14	2	1995–1997	0.70	M-v	4	Williams	29108	1995 QH ₂
1995 RC	14.0	970601	169.78108	58.71289	331.83623	5.52817	0.1672901	2.2092334	46	2	1995–1997	0.48	M-v	3	Williams	28856	1995 RC
1995 SH	13.5	970601	304.24148	9.09241	188.96075	13.53603	0.0935384	2.6208501	35	2	1995–1997	0.41	M-v	3	Williams	28889	1995 SH
1995 SB ₂	13.0	970601	7.19096	279.75927	213.13789	12.84269	0.1177162	3.1508787	53	4	1990–1997	0.61	M-v	2	Williams	28618	1995 SB ₂
1995 SC ₂	14.5	970601	127.25129	223.59989	161.34000	6.73074	0.1253401	2.4043478	35	2	1995–1997	0.39	M-v	4	Marsden	29108	1995 SC ₂
1995 SL ₂	13.0	970601	100.34509	240.15052	161.98070	13.23235	0.1809658	2.6452908	21	2	1995–1997	0.64	M-v	4	Williams	29109	1995 SL ₂
1995 SP ₂	15.0	970601	181.82836	266.42917	81.80254	7.78706	0.1511866	2.3960954	29	2	1995–1997	0.33	M-v	3	Williams	29109	1995 SP ₂
1995 SM ₃	14.5	970601	63.08462	139.89365	345.98772	8.14090	0.1667978	2.4252992	23	3	1993–1997	0.56	M-v	3	Williams	25966	1995 SM ₃
1995 SN ₃	14.5	970601	243.64796	314.91755	336.96318	4.71658	0.1706382	2.2834351	52	2	1995–1997	0.51	M-v	4	Marsden	28857	1995 SN ₃
1995 SR ₃	13.5	970601	190.18484	17.14557	328.88793	6.25162	0.1776453	2.2570750	22	3	1978–1997	0.54	M-v	4	Williams	29109	1995 SR ₃
1995 SO ₂₉	13.0	970601	109.05151	239.26003	139.69737	2.03921	0.2069784	3.1183416	32	4	1973–1997	0.76	M-v	2	Williams	26192	1995 SO ₂₉

1995 TF	14.0	970601	180.65670	328.67677	9.80972	15.26224	0.1035690	2.5832169	51	2	1995–1997	0.51	M-v	3	Marsden	29139	1995 TF
1995 TG	12.5	970601	119.84801	301.25679	60.83289	12.18473	0.1704561	3.1066665	82	2	1995–1997	0.56	M-v	3	Williams	28889	1995 TG
1995 TB ₁	13.5	970601	126.45992	254.31211	134.97123	4.85371	0.2367901	2.5662659	23	4	1954–1997	0.61	M-v	2	Williams	29139	1995 TB ₁
1995 UE	14.0	970601	1.63876	212.98632	344.28024	5.91409	0.0676692	2.2361947	20	2	1995–1997	0.74	M-v	5	Williams	29110	1995 UE
1995 UO ₁	14.5	970601	133.77126	4.87508	54.22788	3.60409	0.1745685	2.4272539	34	4	1989–1997	0.36	M-v	1	Marsden	28618	1995 UO ₁
1995 UD ₂	13.5	970601	178.90664	100.34319	232.38294	8.71930	0.1443474	2.5384310	29	4	1979–1997	0.96	M-v	3	Marsden	29139	1995 UD ₂
1995 UN ₂	14.5	970601	71.79823	308.57436	142.59884	2.20623	0.2060522	3.0428843	38	2	1995–1997	0.58	M-v	3	Marsden	29110	1995 UN ₂
1995 UP ₂	13.5	970601	30.58980	101.71531	25.23296	10.59342	0.0614511	2.9919435	48	2	1995–1997	0.29	M-v	3	Marsden	29139	1995 UP ₂
1995 UR ₂	14.5	970601	140.90644	97.62173	273.95239	4.68347	0.2638441	2.7130473	44	3	1992–1997	0.38	M-v	2	Marsden	29139	1995 UR ₂
1995 UK ₃	12.5	970601	66.76437	212.90283	248.62630	14.35496	0.0984206	2.8649393	30	4	1976–1997	0.55	M-v	1	Williams	29110	1995 UK ₃
1995 UL ₃	12.0	970601	154.05277	326.59729	7.87798	12.15443	0.1123016	3.2552685	25	3	1992–1997	0.65	M-v	3	Williams	29139	1995 UL ₃
1995 UH ₄	13.5	970601	77.39793	124.99014	304.54339	8.77138	0.1421234	3.0663229	22	2	1995–1997	0.55	M-v	3	Williams	29111	1995 UH ₄
1995 UV ₄	12.5	970601	324.57314	182.68963	56.59899	12.17352	0.1352184	2.4232289	33	5	1952–1997	0.75	M-v	2	Williams	28889	1995 UV ₄
1995 UC ₆	13.5	970601	252.86645	335.46158	320.26309	6.48126	0.1789349	2.1901026	19	4	1972–1997	0.66	M-v	2	Williams	28889	1995 UC ₆
1995 UF ₆	13.5	970601	184.07728	274.33902	48.96860	12.50756	0.1875677	2.6766575	28	2	1995–1997	0.65	M-v	4	Williams	29111	1995 UF ₆
1995 UC ₈	13.0	970601	126.01312	180.46095	205.01947	7.03302	0.1706825	3.0620872	28	3	1979–1997	0.51	M-v	4	Williams	29111	1995 UC ₈
1995 US ₈	12.5	970601	265.02738	213.70196	69.62506	12.08374	0.0853492	2.4017499	17	3	1990–1997	0.77	M-v	3	Williams	26406	1995 US ₈
1995 UZ ₈	13.0	970601	64.63609	80.37042	12.23283	9.04707	0.1882919	3.0989651	17	3	1992–1997	0.62	M-v	2	Williams	28618	1995 UZ ₈
1995 UK ₄₄	14.0	970601	191.22596	92.98724	255.13349	5.76542	0.1460745	2.3547825	17	4	1976–1997	0.75	M-v	3	Williams	26406	1995 UK ₄₄
1995 UY ₄₄	14.5	970601	170.76199	332.57872	34.97588	10.02335	0.2060379	2.4886782	49	3	1991–1997	0.59	M-v	3	Marsden	29139	1995 UY ₄₄
1995 UF ₄₅	12.5	970601	91.08363	340.69452	171.60170	2.42207	0.1728965	3.1113039	13	3	1979–1997	0.53	M-v	4	Williams	29111	1995 UF ₄₅
1995 VN	15.0	970601	170.13622	197.77820	179.92797	2.15858	0.2111889	2.4395004	17	3	1991–1997	0.65	M-v	4	Williams	26423	1995 VN
1995 VA ₂	14.0	970601	349.44696	137.83552	59.96356	10.09236	0.0587250	2.5531304	29	3	1989–1997	0.51	M-v	4	Williams	28594	1995 VA ₂
1995 VL ₂	14.5	970601	165.81736	133.14997	264.68078	3.59525	0.0717190	2.3616594	28	3	1991–1997	0.75	M-v	3	Williams	29139	1995 VL ₂
1995 VX ₄	16.0	970601	265.61836	140.94639	125.18423	3.84497	0.1635322	2.4196088	18	3	1994–1997	0.23	M-v	3	Williams	29111	1995 VX ₄
1995 WH	13.0	970601	183.85940	243.23632	101.70811	3.44942	0.0485594	2.8673940	23	4	1983–1997	0.62	M-v	2	Williams	29111	1995 WH
1995 WE ₁	13.5	970601	288.80332	180.16645	62.65959	4.56965	0.1226546	3.0791577	32	3	1991–1997	0.42	M-v	4	Williams	29139	1995 WE ₁
1995 WY ₂	7.0	970601	188.62766	173.54508	78.74024	1.65270	0.0451690	45.6355531	15	2	1995–1997	0.94	M-v	E	Marsden	27919	1995 WY ₂
1995 WM ₃	15.5	970601	192.66871	273.84597	68.78702	1.50231	0.1229812	2.5829908	37	3	1991–1997	0.59	M-v	3	Williams	29112	1995 WM ₃
1995 WW ₃	13.0	970601	140.07763	106.65995	286.68588	15.97837	0.1840703	2.8066738	21	3	1994–1997	0.71	M-v	3	Williams	26582	1995 WW ₃
1995 WX ₃	12.0	970601	32.69961	146.53461	22.18316	12.81137	0.0877027	2.7590747	13	3	1974–1997	0.40	M-v	4	Williams	26760	1995 WX ₃
1995 WU ₄	13.5	970601	149.81238	93.61966	297.80526	10.80570	0.1952533	2.6967754	18	3	1990–1997	0.58	M-v	3	Williams	26571	1995 WU ₄
1995 WM ₅	13.0	970601	210.49077	341.22133	341.37874	1.36531	0.0801335	3.0205504	30	3	1994–1997	0.43	M-v	4	Williams	29112	1995 WM ₅
1995 WB ₆	13.0	970601	202.55385	127.35224	189.36682	8.55806	0.1459964	2.7914940	25	4	1990–1997	0.66	M-v	2	Williams	29112	1995 WB ₆
1995 WF ₆	15.0	970601	198.99013	231.28533	118.73520	1.65570	0.1376797	2.4371769	38	3	1994–1997	0.53	M-v	3	Marsden	26582	1995 WF ₆
1995 WL ₇	12.5	970601	192.82675	259.62268	81.01406	6.44979	0.1328825	2.8156928	29	5	1962–1997	0.51	M-v	1	Williams	27731	1995 WL ₇
1995 WO ₈	11.5	970601	348.52154	58.04783	145.56439	14.28775	0.2377297	3.1655635	20	4	1952–1997	0.69	M-v	2	Williams	29139	1995 WO ₈
1995 WO ₁₅	14.0	970601	359.79668	129.80560	27.27870	2.39154	0.0173811	2.7604757	17	3	1993–1997	0.29	M-v	4	Williams	29139	1995 WO ₁₅
1995 XB	13.0	970601	72.74132	38.86225	69.04058	2.83356	0.0254554	2.9076861	38	5	1977–1997	0.51	M-v	1	Marsden	27731	1995 XB
1995 XX	13.5	970601	270.77460	244.17240	31.31658	9.53670	0.0340752	3.0870558	21	3	1976–1997	0.64	M-v	3	Williams	29113	1995 XX
1995 YN ₄	12.5	970601	138.17070	68.33669	342.98759	9.42799	0.1155421	2.9834652	18	4	1953–1997	0.41	M-v	2	Williams	26761	1995 YN ₄
1996 AU ₁	13.0	970601	348.04812	103.05417	125.40170	2.09079	0.1060842	3.1537763	29	3	1993–1997	0.56	M-v	4	Williams	26749	1996 AU ₁
1996 AD ₂	13.5	970601	183.27840	277.90089	94.30101	12.00865	0.1322511	2.9855924	43	2	1996–1997	0.36	M-v	3	Williams	29113	1996 AD ₂
1996 BD ₁	12.0	970601	58.65573	281.00993	310.14640	25.02583	0.2894855	2.4381172	18	4	1978–1996	0.80	M-v	2	Marsden	26751	1996 BD ₁
1996 CV ₈	13.5	970601	28.97821	230.40938	41.76640	4.24625	0.1383195	2.2677936	19	3	1990–1996	0.74	M-v	4	Williams	28861	1996 CV ₈
1996 EU ₂	11.0	970601	97.34691	171.89472	263.99669	15.48167	0.1068126	3.4149062	18	3	1977–1997	0.42	M-v	3	Williams	27719	1996 EU ₂
1996 FG ₃	18.5	970601	286.23749	23.39030	300.48021	1.98152	0.3497314	1.0543361	162	2	1996–1997	0.60	M-v	4	Williams	29140	1996 FG ₃
1996 OR ₁	14.0	970601	314.59039	168.21067	3.33968	5.94793	0.0766018	2.2954395	28	4	1987–1997	0.63	M-v	2	Williams	29140	1996 OR ₁
1996 RC ₁	15.5	970601	108.69953	173.38593	138.14215	2.46090	0.1268129	2.2248757	24	2	1995–1996	0.26	M-v	4	Williams	29115	1996 RC ₁
1996 RU ₂	15.5	970601	135.52669	241.63260	44.82705	0.87761	0.1006964	2.1572040	19	3	1993–1996	0.71	M-v	5	Williams	29115	1996 RU ₂
1996 RU ₂₅	14.0	970601	99.34397	97.53730	180.32166	0.58454	0.2104894	3.1792580	18	3	1991–1996	0.63	M-v	5	Williams	29115	1996 RU ₂₅
1996 SD ₁	13.0	970601	105.40310	289.27996	21.70206	10.45035	0.1156592	3.0302856	47	5	1974–1997	0.65	M-v	1	Williams	28619	1996 SD ₁

1996 TQ ₁	15.0	970601	61.17396	193.62295	186.64534	2.10816	0.2132116	2.3745478	25	2	1995–1996	0.76	M-v	4	Williams	28619	1996 TQ ₁
1996 TO ₅	16.5	970601	40.61618	249.75681	167.77925	20.99551	0.5163585	2.3809319	53	1	152 days	0.65	M-v	4	Williams	29140	1996 TO ₅
1996 TA ₁₁	13.5	970601	92.81416	235.01943	106.33855	3.55201	0.2113408	2.4082367	20	4	1981–1996	0.70	M-v	2	Williams	28598	1996 TA ₁₁
1996 TE ₁₁	16.0	970601	39.46510	261.92991	176.44907	24.96064	0.4709447	2.5704376	88	1	175 days	0.57	M-v	3	Marsden	29140	1996 TE ₁₁
1996 TO ₁₃	14.5	970601	56.38562	166.80181	203.94519	10.70973	0.0923097	2.9683299	25	3	1991–1996	0.38	M-v	3	Williams	28598	1996 TO ₁₃
1996 TC ₁₅	14.0	970601	140.52060	268.25955	85.05373	9.87169	0.1404304	2.6996678	24	1	135 days	0.33	M-v	4	Williams	29140	1996 TC ₁₅
1996 UK	16.0	970601	65.80793	134.46337	210.64304	10.68804	0.4596660	2.6905385	150	1	130 days	0.59	M-v	3	Williams	28891	1996 UK
1996 VC	14.0	970601	43.82305	70.44970	2.65382	21.54934	0.3518612	2.3430329	69	3	1978–1997	0.47	M-v	2	Williams	28866	1996 VC
1996 VS ₁	14.5	970601	35.86551	51.36897	52.04755	23.29255	0.0900279	1.9305947	45	1	114 days	0.56	M-v	4	Williams	29117	1996 VS ₁
1996 VB ₆	14.0	970601	48.95470	296.28182	126.20306	3.07888	0.0567584	2.8886408	18	3	1981–1996	0.48	M-v	5	Williams	28891	1996 VB ₆
1996 VB ₉	12.0	970601	21.20062	259.43449	160.32271	4.51070	0.2521803	3.9990310	17	4	1990–1997	0.60	M-v	1	Williams	28867	1996 VB ₉
1996 VE ₉	12.0	970601	286.62830	95.31773	78.63798	11.00653	0.0447703	3.0082569	20	5	1951–1996	0.84	M-v	3	Williams	28891	1996 VE ₉
1996 VO ₃₀	13.5	970601	83.53266	129.31277	248.36502	3.42812	0.1917320	2.2638113	23	4	1955–1996	0.64	M-v	4	Williams	28868	1996 VO ₃₀
1996 VK ₃₈	12.5	970601	194.19523	93.10989	169.53408	7.53031	0.1020807	2.7442611	16	4	1977–1996	0.79	M-v	3	Williams	28869	1996 VK ₃₈
1996 XC ₁	15.0	970601	188.98197	96.44542	198.00175	2.05891	0.0595163	2.2919688	17	2	1991–1997	0.61	M-v	5	Williams	28870	1996 XC ₁
1996 XF ₁	13.0	970601	78.46337	290.27663	85.07315	5.85631	0.1624131	3.1708585	23	5	1979–1996	0.63	M-v	2	Williams	28870	1996 XF ₁
1996 XB ₂	14.0	970601	66.24914	158.34253	264.17183	24.35496	0.2380092	2.3501279	28	2	1985–1997	0.57	M-v	3	Williams	29140	1996 XB ₂
1996 XW ₁₉	13.5	970601	40.46017	206.30083	258.49819	6.91579	0.1494196	2.3514946	21	4	1987–1997	0.56	M-v	1	Williams	28873	1996 XW ₁₉
1996 XH ₂₆	15.5	970601	55.14693	250.57345	200.44633	0.57062	0.1077569	2.3416271	21	2	1994–1997	0.27	M-v	4	Marsden	29140	1996 XH ₂₆
1996 XU ₃₀	14.5	970601	52.53506	189.08880	242.94086	9.27213	0.0972500	2.3410923	12	2	1978–1997	0.44	M-v	4	Williams	28874	1996 XU ₃₀
1996 XG ₃₂	13.5	970601	242.91141	8.83231	235.15548	1.95356	0.1340463	2.2506419	21	4	1981–1997	0.79	M-v	2	Williams	29140	1996 XG ₃₂
1996 YY	12.5	970601	286.80683	318.57952	287.28014	10.22444	0.2587930	2.5508636	15	3	1986–1997	0.46	M-v	3	Williams	29141	1996 YY
1996 YO ₂	13.5	970601	356.32385	30.37779	75.24333	3.20191	0.0424625	2.8364315	23	3	1977–1997	0.55	M-v	5	Williams	29119	1996 YO ₂
1996 YU ₂	12.5	970601	78.73100	188.55151	186.75654	13.52384	0.1914837	3.0964283	24	5	1979–1997	0.59	M-v	2	Williams	29141	1996 YU ₂
1997 AR	15.0	970601	274.08672	323.26375	292.64032	2.08753	0.1398533	2.4103825	31	4	1987–1997	0.66	M-v	2	Williams	29120	1997 AR
1997 AY	12.0	970601	124.27037	290.43253	63.85268	4.12008	0.2086198	3.1351713	22	6	1951–1997	0.81	M-v	1	Williams	29141	1997 AY
1997 AA ₁	12.0	970601	85.29811	341.31931	51.39483	1.94234	0.1979585	3.2132983	25	4	1972–1997	0.69	M-v	2	Williams	29120	1997 AA ₁
1997 AK ₁	14.0	970601	49.42686	15.40340	89.11278	5.40479	0.0805953	2.2756368	27	3	1989–1997	0.75	M-v	4	Williams	29141	1997 AK ₁
1997 AT ₁	11.5	970601	20.98795	175.74832	296.87499	12.63102	0.1059964	3.1739311	21	4	1969–1997	0.77	M-v	2	Williams	29120	1997 AT ₁
1997 AO ₂	13.5	970601	37.71357	14.06428	92.62129	11.80562	0.0719630	2.9788498	15	2	1980–1997	0.59	M-v	4	Williams	29141	1997 AO ₂
1997 AV ₂	15.0	970601	10.93401	83.27061	69.06174	2.98036	0.2888821	2.7041383	18	3	1984–1997	0.35	M-v	3	Williams	29141	1997 AV ₂
1997 AN ₄	14.5	970601	305.01258	310.83197	286.50518	0.97056	0.1366353	2.2684496	25	3	1991–1997	0.64	M-v	5	Williams	29121	1997 AN ₄
1997 AP ₄	14.0	970601	18.50031	308.69471	198.60444	1.50082	0.1544533	2.4256604	20	3	1988–1997	0.53	M-v	3	Williams	29121	1997 AP ₄
1997 AR ₄	13.0	970601	25.66506	270.27104	217.14488	1.30482	0.0698665	2.9323623	28	4	1982–1997	0.55	M-v	3	Williams	29122	1997 AR ₄
1997 AB ₅	14.5	970601	48.74009	61.95180	30.79796	6.51618	0.1656502	2.4182241	18	3	1973–1997	0.54	M-v	3	Williams	29141	1997 AB ₅
1997 AU ₆	13.0	970601	110.28848	278.56365	123.11725	3.02437	0.0692175	2.8639271	23	3	1992–1997	0.64	M-v	4	Williams	29122	1997 AU ₆
1997 AD ₇	13.0	970601	146.90949	185.25707	166.26626	2.78435	0.2637971	2.4773101	28	6	1929–1997	0.64	M-v	2	Williams	29122	1997 AD ₇
1997 AL ₇	13.5	970601	273.18675	108.79800	149.54116	4.24401	0.0836878	2.3848368	21	2	1991–1997	0.53	M-v	5	Williams	29123	1997 AL ₇
1997 AD ₁₀	15.0	970601	178.45654	191.82880	145.27476	4.13324	0.1989796	2.4079918	18	3	1950–1997	0.66	M-v	4	Williams	29123	1997 AD ₁₀
1997 AB ₁₃	15.0	970601	114.18498	343.47911	64.87526	3.19074	0.0163291	2.2489398	27	5	1982–1997	0.67	M-v	1	Williams	29124	1997 AB ₁₃
1997 AL ₁₃	11.0	970601	247.78056	281.69968	349.70291	11.51668	0.1104780	3.1206359	12	3	1983–1997	0.45	M-v	4	Williams	29124	1997 AL ₁₃
1997 AV ₁₃	14.5	970601	97.12110	218.09608	177.78627	4.10816	0.1496970	2.2300734	30	4	1969–1997	0.63	M-v	3	Williams	29124	1997 AV ₁₃
1997 AQ ₁₆	15.0	970601	112.45031	258.76839	110.58479	0.33309	0.2309107	2.2243034	22	3	1979–1997	0.38	M-v	4	Williams	29125	1997 AQ ₁₆
1997 AS ₁₇	14.5	970601	172.31851	222.08349	110.33131	3.51486	0.1212818	2.2084210	20	3	1984–1997	0.35	M-v	3	Williams	29125	1997 AS ₁₇
1997 AX ₁₇	14.5	970601	176.35593	299.71767	54.20428	3.31201	0.0425427	2.1260181	11	2	1977–1997	0.50	M-v	5	Williams	29125	1997 AX ₁₇
1997 AN ₂₁	13.5	970601	75.46443	118.07392	311.85060	13.16449	0.1314423	2.5692978	30	2	1993–1997	0.76	M-v	5	Williams	29126	1997 AN ₂₁
1997 AP ₂₁	15.0	970601	60.07808	43.01364	57.98225	2.03734	0.0944712	2.2214997	15	4	1979–1997	0.80	M-v	2	Williams	29126	1997 AP ₂₁
1997 AR ₂₂	14.5	970601	114.77841	5.74350	33.28746	5.51612	0.1235886	2.2902902	20	2	1985–1997	0.58	M-v	4	Williams	29126	1997 AR ₂₂
1997 BO ₃	13.5	970601	43.32736	44.69350	83.17650	3.64198	0.0791562	2.5273955	14	3	1989–1997	0.40	M-v	4	Williams	29127	1997 BO ₃
1997 BS ₆	14.5	970601	58.39400	344.49118	126.86175	7.71270	0.1119349	2.2312616	22	3	1979–1997	0.36	M-v	2	Williams	29127	1997 BS ₆
1997 BG ₈	14.0	970601	293.73757	284.61642	325.73071	3.32928	0.0918630	2.1587507	47	3	1994–1997	0.58	M-v	4	Marsden	29127	1997 BG ₈
1997 CA ₁	14.5	970601	288.69064	293.43579	323.28524	7.19118	0.0811441	2.2955854	17	3	1976–1997	0.64	M-v	4	Williams	29127	1997 CA ₁

1997 CY ₂	13.5	970601	39.16275	3.53428	120.61042	3.76627	0.1973327	3.1074198	16	3	1979–1997	0.36	M-v	4	Williams	29127	1997 CY ₂
1997 CX ₁₃	16.5	970601	291.52446	132.01111	119.86059	5.54867	0.0947195	2.3999425	39	2	1991–1997	0.41	M-v	5	Williams	29128	1997 CX ₁₃
1997 CZ ₁₄	16.0	970601	132.85881	335.50207	36.32094	2.72563	0.2323938	2.2755334	18	2	1992–1997	0.50	M-v	5	Williams	29128	1997 CZ ₁₄
2072 P-L	16.0	970601	76.27252	115.86057	353.25882	6.64739	0.1469385	2.3102916	19	3	1960–1997	0.46	M-v	4	Williams	25968	2072 P-L
2129 P-L	15.0	970601	42.15278	279.09826	201.54277	5.53301	0.0880903	2.4791477	16	2	1960–1997	0.51	M-v	5	Williams	29128	2129 P-L
2560 P-L	14.0	970601	210.00721	144.47147	183.85267	1.09543	0.0594492	2.8866562	33	3	1960–1997	0.68	M-v	4	Williams	24764	2560 P-L
3045 P-L	13.0	970601	232.79773	337.21507	332.82867	12.73524	0.1595910	2.6461461	42	4	1960–1997	0.71	M-v	2	Williams	29141	3045 P-L
3560 P-L	11.5	970601	158.54340	21.56473	353.95398	15.25808	0.0933535	3.1797400	20	3	1960–1997	0.59	M-v	3	Williams	29129	3560 P-L
4127 P-L	14.5	970601	198.58445	127.74311	230.13042	0.29946	0.1815079	3.1457111	46	4	1960–1997	0.93	M-v	2	Williams	22086	4127 P-L
6193 P-L	16.0	970601	208.10468	137.86181	191.64730	12.39137	0.1209606	2.6488696	21	3	1960–1997	0.98	M-v	4	Williams	22701	6193 P-L
6543 P-L	12.5	970601	193.06229	250.27388	82.28985	2.08993	0.1744197	3.1730295	36	6	1954–1997	0.63	M-v	1	Williams	29141	6543 P-L
6626 P-L	15.0	970601	314.47621	219.64183	1.74217	2.58162	0.0617358	2.3025731	17	4	1960–1997	0.55	M-v	2	Williams	28892	6626 P-L
6636 P-L	14.0	970601	13.95717	48.65492	116.41443	3.76571	0.0184287	2.8813016	17	4	1960–1997	0.67	M-v	2	Williams	29129	6636 P-L
1163 T-1	13.5	970601	227.37208	4.51039	250.56314	3.15722	0.0904628	2.2422349	22	3	1971–1997	0.73	M-v	4	Williams	29142	1163 T-1
1205 T-1	15.5	970601	285.56507	262.81243	350.63557	5.05576	0.1328661	2.2145993	18	3	1971–1997	0.57	M-v	2	Williams	29129	1205 T-1
1285 T-1	15.5	970601	55.89318	174.14278	277.58879	1.43367	0.1059938	2.4262287	39	2	1971–1997	0.63	M-v	5	Williams	29129	1285 T-1
3178 T-1	15.5	970601	266.75235	237.27566	20.55336	2.55379	0.1479929	2.4337551	30	4	1971–1996	0.64	M-v	2	Williams	28607	3178 T-1
1266 T-2	15.0	970601	238.76693	324.69598	352.63234	6.36246	0.0626580	2.3563320	26	3	1973–1997	0.73	M-v	5	Williams	21978	1266 T-2
1310 T-2	15.0	970601	125.68621	345.50803	45.69013	2.06883	0.1859536	2.3916970	34	5	1951–1997	0.91	M-v	2	Williams	24410	1310 T-2
2076 T-2	16.0	970601	290.61016	60.46587	180.80768	2.96014	0.1024157	2.1542400	31	3	1973–1996	0.93	M-v	4	Williams	28880	2076 T-2
2097 T-2	15.0	970601	5.59378	161.51264	350.95746	6.75619	0.0561991	2.3901621	25	2	1973–1997	0.86	M-v	5	Williams	29130	2097 T-2
2137 T-2	16.0	970601	211.98133	118.78789	214.55407	1.47822	0.1138315	2.1491195	25	4	1973–1997	1.08	M-v	2	Williams	22701	2137 T-2
2232 T-2	15.0	970601	183.02800	179.08505	174.91710	3.88689	0.0942879	2.3726528	35	5	1951–1997	0.96	M-v	2	Williams	23686	2232 T-2
2256 T-2	13.5	970601	37.08175	329.92050	136.35513	0.75741	0.1483284	3.1020307	44	3	1973–1997	0.77	M-v	5	Marsden	29142	2256 T-2
3270 T-2	15.0	970601	26.39646	65.11933	72.69155	3.34584	0.1366842	2.3889495	23	2	1973–1997	0.85	M-v	5	Williams	29142	3270 T-2
4076 T-2	14.5	970601	292.80415	159.83246	30.47107	2.84855	0.1294758	2.4100227	27	3	1973–1996	0.89	M-v	5	Williams	28893	4076 T-2
5162 T-2	12.5	970601	198.81766	353.22604	316.59764	8.69443	0.0743706	3.0677561	26	3	1973–1997	0.99	M-v	5	Williams	29142	5162 T-2
2204 T-3	15.5	970601	237.98669	356.11074	227.27301	6.10463	0.0909558	2.4124575	19	3	1977–1996	0.71	M-v	5	Williams	28609	2204 T-3
2664 T-3	15.5	970601	83.78211	83.39620	355.21927	2.46150	0.1395837	2.3748942	21	3	1977–1997	0.54	M-v	4	Williams	25733	2664 T-3
4237 T-3	14.5	970601	50.24149	35.31760	90.74113	4.77323	0.1483273	2.3681815	23	3	1977–1997	0.81	M-v	5	Williams	29131	4237 T-3
5124 T-3	14.0	970601	10.54670	57.37816	103.02649	7.18239	0.0606742	2.3636053	24	2	1977–1997	0.72	M-v	5	Williams	29142	5124 T-3

EPHEMERIDES

1997 CU ₂₆		$a, e, i = 16.40, 0.36, 25$				Elements <i>MPC</i> 29287		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		08 24.72	+15 43.3	13.630	14.186	122.2	3.4	17.8
1997 04 02		08 24.03	+15 43.1	13.795	14.202	112.2	3.7	17.8
1997 04 12		08 23.80	+15 41.5	13.971	14.219	102.3	3.9	17.9
1997 04 22		08 24.05	+15 38.4	14.154	14.235	92.6	4.0	17.9
1997 05 02		08 24.77	+15 33.7	14.337	14.251	83.1	4.0	17.9
1997 05 12		08 25.92	+15 27.5	14.518	14.268	73.7	3.9	17.9
1997 05 22		08 27.49	+15 19.8	14.690	14.284	64.5	3.7	18.0

1997 CO ₅		$a, e, i = 2.62, 0.48, 19$				Elements <i>MPC</i> 29310		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		08 45.10	+06 23.1	1.015	1.812	128.6	25.5	19.5
1997 04 02		08 50.96	+04 54.2	1.151	1.870	120.7	27.4	19.9
1997 04 12		08 59.29	+03 35.8	1.296	1.928	113.4	28.5	20.2
1997 04 22		09 09.50	+02 22.7	1.449	1.987	106.7	29.0	20.6
1997 05 02		09 21.08	+01 11.4	1.608	2.045	100.3	29.0	20.9
1997 05 12		09 33.69	−00 00.5	1.771	2.104	94.3	28.6	21.1

1997 DF

		$a, e, i = 1.54, 0.15, 19$				Elements <i>MPC</i> 29287		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		08 50.31	+26 59.1	0.771	1.569	124.7	31.5	19.8
1997 04 02		08 59.99	+28 18.6	0.868	1.589	116.5	34.3	20.1
1997 04 12		09 12.80	+28 52.1	0.969	1.608	109.3	36.1	20.4
1997 04 22		09 27.96	+28 49.0	1.074	1.626	102.8	37.1	20.7
1997 05 02		09 44.76	+28 16.4	1.181	1.644	97.0	37.5	21.0

C/1997 D1 (Mueller)

C/1997 D1 (Mueller)					Elements <i>MPC</i> 29285				
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 03 23		10 47.60	+54 23.2	2.533	3.178	122.1	15.4	14.5	
1997 04 02		10 07.27	+54 01.6	2.581	3.104	112.5	17.3	14.5	
1997 04 12		09 33.15	+52 33.7	2.663	3.033	101.9	18.9	14.4	
1997 04 22		09 06.92	+50 25.6	2.767	2.962	91.1	19.8	14.4	
1997 05 02		08 48.06	+47 59.8	2.885	2.894	80.5	20.1	14.4	
1997 05 12		08 35.20	+45 30.8	3.005	2.827	70.2	19.6	14.4	
1997 05 22		08 26.91	+43 06.7	3.121	2.763	60.3	18.6	14.4	
1997 06 01		08 21.99	+40 50.5	3.226	2.701	50.8	16.9	14.4	
1997 06 11		08 19.52	+38 43.3	3.314	2.642	41.6	14.8	14.3	
1997 06 21		08 18.80	+36 44.4	3.380	2.586	32.8	12.3	14.3	

(6909)		$a, e, i = 2.72, 0.47, 38$				Elements <i>MPC</i> 26892		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		12 01.95	-52 06.8	3.294	3.995	128.8	11.2	20.4
1997 04 02		11 49.44	-51 48.5	3.261	3.995	131.7	10.8	20.4
1997 04 12		11 37.83	-51 03.4	3.249	3.994	132.5	10.7	20.3
1997 04 22		11 28.05	-49 56.4	3.258	3.993	131.2	10.9	20.4
1997 05 02		11 20.67	-48 34.1	3.289	3.990	128.1	11.5	20.4
1997 05 12		11 15.98	-47 03.8	3.339	3.986	123.5	12.2	20.5
1997 05 22		11 13.95	-45 32.3	3.406	3.982	118.0	13.0	20.5
1997 06 01		11 14.38	-44 05.1	3.486	3.977	111.8	13.7	20.6
1997 06 11		11 17.04	-42 46.3	3.578	3.971	105.4	14.3	20.7
1997 06 21		11 21.62	-41 38.8	3.678	3.964	98.8	14.7	20.7
1997 07 01		11 27.84	-40 44.1	3.783	3.956	92.3	14.9	20.8
1997 07 11		11 35.49	-40 02.8	3.890	3.947	85.8	14.9	20.9
1997 07 21		11 44.33	-39 35.0	3.996	3.938	79.4	14.7	20.9
1997 07 31		11 54.21	-39 20.1	4.099	3.927	73.2	14.3	20.9
1997 08 10		12 04.98	-39 17.4	4.197	3.916	67.1	13.8	21.0

55P/Tempel-Tuttle						Elements <i>MPC</i> 29285		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1 m_2
1997 03 23		13 22.78	+08 02.2	3.339	4.287	159.5	4.7	22.2
1997 04 02		13 09.00	+09 56.6	3.227	4.197	164.1	3.8	22.0
1997 04 12		12 54.04	+11 47.1	3.158	4.107	158.4	5.1	22.0
1997 04 22		12 38.68	+13 26.9	3.131	4.015	147.6	7.7	22.0
1997 05 02		12 23.77	+14 50.7	3.141	3.923	135.3	10.4	22.1
1997 05 12		12 10.08	+15 55.5	3.184	3.829	123.0	12.8	22.2
1997 05 22		11 58.18	+16 40.9	3.250	3.735	111.0	14.7	22.2
1997 06 01		11 48.36	+17 08.6	3.332	3.639	99.5	16.0	22.3
1997 06 11		11 40.74	+17 21.0	3.421	3.543	88.5	16.6	22.3
1997 06 21		11 35.26	+17 20.9	3.510	3.445	78.0	16.8	22.3
1997 07 01		11 31.73	+17 11.1	3.591	3.346	68.0	16.4	22.3
1997 07 11		11 29.96	+16 53.9	3.660	3.246	58.4	15.5	22.2
1997 07 21		11 29.70	+16 31.2	3.712	3.144	49.3	14.2	22.1
1997 07 31		11 30.76	+16 04.6	3.742	3.042	40.5	12.5	22.0
1997 08 10		11 32.92	+15 35.4	3.747	2.938	32.1	10.6	21.9

1993 KH		$a, e, i = 1.23, 0.31, 13$				Elements <i>MPC</i> 29301		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		13 29.45	+17 24.5	0.630	1.584	153.0	16.6	19.9
1997 04 02		13 07.49	+18 49.9	0.601	1.567	155.7	15.2	19.7
1997 04 12		12 42.98	+19 18.8	0.593	1.546	150.4	18.7	19.8
1997 04 22		12 20.13	+18 39.6	0.605	1.522	140.7	24.7	20.0
1997 05 02		12 02.19	+17 00.3	0.632	1.495	130.0	31.1	20.2
1997 05 12		11 50.62	+14 37.9	0.670	1.464	119.8	36.8	20.5
1997 05 22		11 45.36	+11 48.5	0.714	1.430	110.6	41.5	20.7
1997 06 01		11 45.50	+08 42.8	0.759	1.392	102.5	45.3	20.8
1997 06 11		11 50.09	+05 26.3	0.802	1.352	95.4	48.4	21.0

1987 SF ₃		$a, e, i = 2.25, 0.53, 3$				Elements <i>MPC</i> 25648		
Date	TT	α_{2000}	δ_{2000}	Δ	r	Variation	ϕ	V
1997 03 23		14 00.55	-11 04.5	1.327	2.248	-1.82	+8.3	21.6
1997 04 02		13 52.59	-09 59.8	1.212	2.186	-1.97	+9.1	21.2
1997 04 12		13 41.64	-08 35.3	1.122	2.122	-2.07	+9.7	20.6
1997 04 22		13 28.72	-06 57.3	1.058	2.057	-2.10	+9.9	20.6

1997 05 02	13 15.37	-05 16.1	1.021	1.990	-2.04	+9.4	20.7
1997 05 12	13 03.34	-03 44.3	1.007	1.922	-1.91	+8.5	20.9
1997 05 22	12 54.17	-02 32.9	1.012	1.852	-1.74	+7.4	21.0
1997 06 01	12 48.78	-01 48.5	1.030	1.782	-1.57	+6.2	21.1
1997 06 11	12 47.55	-01 33.1	1.055	1.710	-1.42	+5.2	21.2
1997 06 21	12 50.46	-01 46.1	1.082	1.638	-1.30	+4.4	21.2
1997 07 01	12 57.24	-02 24.6	1.107	1.565	-1.22	+3.9	21.3

1990 MF		$a, e, i = 1.75, 0.46, 2$				Elements <i>MPC</i> 17638		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		17 35.26	-22 41.4	1.007	1.514	98.2	40.7	21.0
1997 04 02		18 07.04	-22 28.1	0.878	1.448	100.7	42.7	20.7
1997 04 12		18 42.52	-21 42.0	0.760	1.381	102.3	45.2	20.3
1997 04 22		19 22.67	-20 10.4	0.656	1.315	102.6	48.3	20.0
1997 05 02		20 08.55	-17 36.6	0.568	1.249	101.2	52.3	19.7
1997 05 12		21 00.62	-13 43.5	0.499	1.185	97.7	57.6	19.4
1997 05 22		21 58.16	-08 24.8	0.453	1.125	92.3	64.0	19.3
1997 06 01		22 58.80	-02 03.5	0.433	1.071	85.5	70.7	19.3
1997 06 11		23 58.88	+04 26.7	0.438	1.024	78.7	76.5	19.4
1997 06 21		00 55.32	+10 11.7	0.464	0.987	73.1	80.2	19.6
1997 07 01		01 46.73	+14 46.0	0.506	0.962	69.2	81.3	19.8
1997 07 11		02 33.02	+18 09.5	0.556	0.951	67.2	80.2	19.9
1997 07 21		03 14.79	+20 33.4	0.610	0.955	66.6	77.6	20.0
1997 07 31		03 52.72	+22 09.9	0.662	0.973	67.1	74.0	20.1
1997 08 10		04 27.11	+23 08.5	0.709	1.004	68.7	70.1	20.2
1997 08 20		04 58.08	+23 37.0	0.748	1.047	71.2	66.2	20.3
1997 08 30		05 25.63	+23 42.3	0.777	1.098	74.6	62.4	20.4
1997 09 09		05 49.56	+23 30.2	0.795	1.156	78.8	58.8	20.4
1997 09 19		06 09.61	+23 06.3	0.803	1.218	83.9	55.1	20.5
1997 09 29		06 25.50	+22 35.7	0.800	1.282	90.0	51.4	20.5
1997 10 09		06 36.71	+22 03.1	0.788	1.349	97.3	47.3	20.4
1997 10 19		06 42.72	+21 32.5	0.771	1.415	105.7	42.6	20.3
1997 10 29		06 42.95	+21 06.8	0.751	1.482	115.6	37.2	20.2
1997 11 08		06 36.90	+20 47.4	0.733	1.547	127.0	30.8	20.1
1997 11 18		06 24.72	+20 33.1	0.724	1.611	139.8	23.3	19.9
1997 11 28		06 07.55	+20 21.2	0.731	1.674	153.9	15.0	19.8
1997 12 08		05 47.78	+20 08.4	0.758	1.734	168.4	6.6	19.6
1997 12 18		05 28.59	+19 54.8	0.811	1.793	175.2	2.7	19.6
1997 12 28		05 12.66	+19 43.2	0.889	1.850	162.2	9.3	20.2
1998 01 07		05 01.52	+19 37.4	0.990	1.904	149.6	15.2	20.7
1998 01 17		04 55.50	+19 39.3	1.111	1.956	138.0	19.6	21.2

1977 QQ ₅		$a, e, i = 2.23, 0.47, 25$				Elements <i>MPC</i> 27565		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 03 23		20 02.95	-05 38.6	2.338	2.063	61.8	25.2	19.6
1997 04 02		20 22.57	-04 54.2	2.185	2.005	66.3	27.2	19.4
1997 04 12		20 42.47	-04 05.9	2.030	1.946	70.8	29.1	19.3
1997 04 22		21 02.72	-03 15.7	1.874	1.887	75.2	31.0	19.1
1997 05 02		21 23.49	-02 25.8	1.719	1.826	79.5	32.9	18.9
1997 05 12		21 44.96	-01 39.2	1.566	1.766	83.6	34.6	18.6
1997 05 22		22 07.41	-00 59.6	1.416	1.705	87.5	36.4	18.4
1997 06 01		22 31.20	-00 31.6	1.272	1.645	91.3	38.1	18.1
1997 06 11		22 56.78	-00 21.2	1.134	1.585	94.8	39.7	17.8

1997 MAR. 24

M.P.C. 29323

1997 06 21	23 24.73	-00 35.9	1.005	1.526	98.0	41.2	17.5	1997 08 30	03 51.95	-66 03.6	0.644	1.310	102.5	48.8	16.5
1997 07 01	23 55.77	-01 24.9	0.888	1.469	100.8	42.8	17.2	1997 09 09	04 57.6	-70 00.0	0.654	1.258	96.1	52.8	16.5
1997 07 11	00 30.58	-02 58.3	0.784	1.415	102.9	44.5	16.9	1997 09 19	06 06.0	-72 12.0	0.664	1.204	89.9	56.6	16.6
1997 07 21	01 09.76	-05 24.6	0.697	1.364	104.0	46.3	16.6	1997 09 29	07 09.8	-73 01.8	0.669	1.148	84.3	60.3	16.6
1997 07 31	01 53.41	-08 44.8	0.630	1.318	104.0	48.4	16.4	1997 10 09	08 04.6	-72 55.6	0.664	1.091	79.2	64.1	16.6
1997 08 10	02 40.57	-12 46.9	0.586	1.277	102.6	50.8	16.3	1997 10 19	08 51.0	-72 09.1	0.645	1.035	74.8	68.2	16.5
1997 08 20	03 29.17	-17 02.7	0.564	1.243	100.2	53.3	16.2	1997 10 29	09 32.5	-70 45.0	0.611	0.981	70.9	73.0	16.4
1997 08 30	04 16.43	-21 00.4	0.562	1.216	97.2	55.5	16.2	1997 11 08	10 13.51	-68 30.2	0.561	0.931	67.3	78.9	16.3
1997 09 09	04 59.70	-24 18.7	0.574	1.198	94.5	56.9	16.2	1997 11 18	10 58.65	-64 49.0	0.497	0.888	63.7	86.2	16.3
1997 09 19	05 37.40	-26 51.4	0.594	1.190	92.6	57.5	16.3	1997 11 28	11 51.09	-58 31.4	0.425	0.854	59.6	95.0	16.2
1997 09 29	06 09.00	-28 43.9	0.615	1.191	91.7	57.3	16.4	1997 12 08	12 50.36	-47 34.4	0.358	0.832	54.9	104.5	16.2
1997 10 09	06 34.46	-30 03.3	0.634	1.201	92.0	56.2	16.4	1997 12 18	13 51.95	-30 14.7	0.318	0.825	51.5	111.0	16.3
1997 10 19	06 54.03	-30 54.4	0.647	1.221	93.6	54.5	16.5	1997 12 28	14 49.86	-09 49.3	0.327	0.832	53.5	108.0	16.2
1997 10 29	07 07.87	-31 18.9	0.654	1.250	96.5	52.2	16.5	1998 01 07	15 40.20	+06 31.1	0.384	0.853	59.2	98.0	16.1
1997 11 08	07 15.88	-31 12.6	0.653	1.286	100.9	49.2	16.5	1998 01 17	16 22.35	+16 45.6	0.468	0.887	64.2	87.4	16.2
1997 11 18	07 18.08	-30 26.1	0.647	1.328	106.7	45.5	16.4	1998 01 27	16 57.35	+22 51.3	0.558	0.930	67.8	78.5	16.3
1997 11 28	07 14.61	-28 46.0	0.638	1.375	113.9	41.0	16.3	1998 02 06	17 26.36	+26 41.6	0.642	0.980	70.4	71.5	16.5
1997 12 08	07 06.11	-25 55.5	0.631	1.427	122.5	35.6	16.2	1998 02 16	17 50.40	+29 22.6	0.716	1.034	72.7	65.9	16.7
1997 12 18	06 54.20	-21 44.0	0.632	1.482	131.7	29.7	16.2	1998 02 26	18 10.14	+31 30.4	0.776	1.090	75.1	61.4	16.8
1997 12 28	06 41.11	-16 16.6	0.648	1.539	140.3	24.1	16.1	1998 03 08	18 25.83	+33 23.9	0.820	1.146	77.8	57.8	17.0
1998 01 07	06 29.30	-09 59.3	0.685	1.598	146.0	20.1	16.2	1998 03 18	18 37.52	+35 12.0	0.849	1.202	80.9	54.8	17.0
1998 01 17	06 20.69	-03 33.0	0.747	1.658	146.4	19.2	16.4	1998 03 28	18 44.97	+36 58.7	0.863	1.256	84.6	52.3	17.1
1998 01 27	06 16.16	+02 25.6	0.833	1.719	141.9	20.7	16.8	1998 04 07	18 47.62	+38 43.0	0.865	1.308	88.8	49.9	17.1
1998 02 06	06 15.87	+07 35.9	0.941	1.779	134.8	23.2	17.2	1998 04 17	18 44.80	+40 19.1	0.855	1.358	93.5	47.5	17.1
1998 02 16	06 19.44	+11 51.8	1.069	1.840	126.8	25.5	17.6	1998 04 27	18 35.66	+41 36.6	0.837	1.404	98.8	45.1	17.1
1998 02 26	06 26.24	+15 17.0	1.213	1.900	118.9	27.2	18.0	1998 05 07	18 19.59	+42 16.9	0.815	1.448	104.6	42.4	17.0
1998 03 08	06 35.72	+17 58.0	1.368	1.959	111.2	28.2	18.4	1998 05 17	17 57.03	+41 55.2	0.793	1.488	110.5	39.5	16.9
1998 03 18	06 47.28	+20 01.9	1.533	2.018	103.9	28.6	18.7	1998 05 27	17 29.88	+40 05.4	0.776	1.525	116.2	36.6	16.9
1998 03 28	07 00.44	+21 35.0	1.704	2.075	96.9	28.5	19.0	1998 06 06	17 01.77	+36 30.1	0.771	1.558	120.9	34.0	16.8
1998 04 07	07 14.83	+22 42.1	1.879	2.132	90.2	28.0	19.3	1998 06 16	16 36.64	+31 16.0	0.782	1.588	123.5	32.2	16.8
1998 04 17	07 30.11	+23 27.5	2.055	2.187	83.8	27.1	19.5	1998 06 26	16 17.07	+24 52.0	0.812	1.614	123.5	31.7	16.9
1998 04 27	07 46.01	+23 54.2	2.231	2.241	77.5	26.0	19.7	1998 07 06	16 03.94	+17 58.5	0.864	1.637	120.8	32.2	17.1
1998 05 07	08 02.34	+24 05.0	2.405	2.294	71.5	24.7	19.9	1998 07 16	15 56.86	+11 11.2	0.934	1.656	116.1	33.4	17.3
1998 05 17	08 18.92	+24 02.1	2.575	2.345	65.6	23.1	20.0	1998 07 26	15 54.95	+04 52.3	1.021	1.671	110.3	34.7	17.6
1994 LX								1998 08 05	15 57.32	-00 48.6	1.120	1.683	104.0	35.8	17.8
Date TT								1998 08 15	16 03.18	-05 50.1	1.227	1.692	97.6	36.4	18.1
α_{2000}								1998 08 25	16 11.93	-10 15.0	1.340	1.697	91.3	36.6	18.3
δ_{2000}								1998 09 04	16 23.16	-14 07.5	1.455	1.698	85.1	36.3	18.4
Δ								1998 09 14	16 36.50	-17 31.5	1.569	1.696	79.1	35.6	18.6
r								1998 09 24	16 51.75	-20 30.6	1.679	1.690	73.3	34.6	18.7
ϵ								1998 10 04	17 08.75	-23 07.3	1.784	1.681	67.6	33.4	18.8
ϕ								1998 10 14	17 27.37	-25 23.6	1.881	1.668	62.2	31.9	18.8
V								1998 10 24	17 47.54	-27 20.7	1.969	1.652	56.9	30.3	18.9
1997 03 23	20 34.45	-11 08.0	2.065	1.696	54.7	28.6	19.0	1998 11 03	18 09.20	-28 59.3	2.046	1.632	51.9	28.6	18.9
1997 04 02	20 54.55	-11 17.8	1.968	1.699	59.6	30.5	18.9	1998 11 13	18 32.28	-30 19.6	2.111	1.608	47.0	26.8	18.9
1997 04 12	21 14.38	-11 31.6	1.862	1.697	64.8	32.3	18.9	1998 11 23	18 56.75	-31 21.4	2.163	1.581	42.4	24.9	18.8
1997 04 22	21 34.03	-11 52.9	1.748	1.692	70.0	33.9	18.8	1998 12 03	19 22.55	-32 04.3	2.201	1.551	38.1	23.1	18.8
1997 05 02	21 53.62	-12 25.7	1.627	1.684	75.4	35.4	18.6	1998 12 13	19 49.61	-32 27.3	2.226	1.516	34.2	21.4	18.7
1997 05 12	22 13.27	-13 15.2	1.502	1.672	80.9	36.6	18.5	1998 12 23	20 17.89	-32 29.5	2.236	1.479	30.7	19.9	18.6
1997 05 22	22 33.12	-14 27.8	1.375	1.656	86.5	37.6	18.3								
1997 06 01	22 53.42	-16 10.9	1.249	1.637	92.1	38.2	18.1								
1997 06 11	23 14.39	-18 34.1	1.126	1.615	97.8	38.5	17.8								
1997 06 21	23 36.39	-21 48.3	1.009	1.589	103.3	38.5	17.6								
1997 07 01	23 59.92	-26 04.4	0.902	1.559	108.5	38.2	17.3								
1997 07 11	00 25.62	-31 31.2	0.810	1.526	112.8	37.9	17.0								
1997 07 21	00 54.41	-38 07.3	0.736	1.489	115.4	38.0	16.7								
1997 07 31	01 27.66	-45 35.3	0.684	1.449	115.7	39.1	16.5								
1997 08 10	02 07.05	-53 17.0	0.653	1.406	113.3	41.5	16.4								
1997 08 20	02 54.65	-60 21.3	0.641	1.359	108.5	44.9	16.4								

C/1995 O1 (Hale-Bopp)

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements <i>MPC</i> 29067			
						ϵ	ϕ	m_1	m_2
1997 05 02		04 44.14	+25 23.5	1.787	1.065	31.4	29.5	-0.5	
1997 05 12		05 12.41	+19 38.6	1.958	1.161	27.6	23.8	0.1	
1997 05 22		05 35.13	+14 35.4	2.121	1.271	24.4	19.2	0.7	
1997 06 01		05 54.43	+10 05.0	2.272	1.388	22.3	16.1	1.2	
1997 06 11		06 11.49	+05 57.8	2.408	1.510	21.5	14.3	1.7	
1997 06 21		06 26.97	+02 05.8	2.528	1.636	22.4	13.7	2.2	
1997 07 01		06 41.28	-01 37.1	2.633	1.762	24.7	14.0	2.6	
1997 07 11		06 54.62	-05 16.1	2.723	1.889	28.2	14.7	2.9	
1997 07 21		07 07.10	-08 54.8	2.799	2.015	32.3	15.6	3.3	
1997 07 31		07 18.76	-12 35.8	2.863	2.141	37.0	16.6	3.6	
1997 08 10		07 29.58	-16 21.5	2.916	2.266	41.9	17.4	3.9	
1997 08 20		07 39.50	-20 13.0	2.961	2.389	47.1	18.1	4.1	
1997 08 30		07 48.41	-24 10.8	2.999	2.512	52.3	18.5	4.4	
1997 09 09		07 56.16	-28 15.1	3.034	2.633	57.5	18.8	4.6	
1997 09 19		08 02.54	-32 24.8	3.066	2.753	62.6	18.9	4.8	
1997 09 29		08 07.28	-36 38.3	3.099	2.872	67.6	18.8	5.0	
1997 10 09		08 10.01	-40 53.0	3.135	2.989	72.4	18.6	5.2	
1997 10 19		08 10.28	-45 04.9	3.177	3.105	76.8	18.2	5.4	
1997 10 29		08 07.56	-49 09.3	3.225	3.220	80.8	17.7	5.6	
1997 11 08		08 01.18	-52 59.9	3.281	3.333	84.4	17.2	5.8	
1997 11 18		07 50.50	-56 29.4	3.348	3.445	87.3	16.7	6.0	
1997 11 28		07 35.07	-59 29.6	3.424	3.556	89.6	16.1	6.2	
1997 12 08		07 14.89	-61 52.0	3.511	3.666	91.2	15.6	6.4	
1997 12 18		06 50.92	-63 29.6	3.609	3.775	92.1	15.1	6.6	
1997 12 28		06 25.11	-64 19.4	3.716	3.883	92.4	14.7	6.7	
1998 01 07		06 00.06	-64 23.0	3.831	3.990	92.1	14.3	6.9	
1998 01 17		05 38.10	-63 47.6	3.953	4.095	91.3	13.9	7.1	
1998 01 27		05 20.59	-62 42.9	4.081	4.200	90.1	13.6	7.3	
1998 02 06		05 07.94	-61 19.2	4.214	4.304	88.6	13.2	7.5	
1998 02 16		04 59.81	-59 45.4	4.348	4.407	86.9	12.9	7.6	
1998 02 26		04 55.58	-58 08.4	4.484	4.509	85.1	12.6	7.8	
1998 03 08		04 54.59	-56 33.4	4.620	4.610	83.3	12.3	8.0	
1998 03 18		04 56.21	-55 04.2	4.754	4.710	81.5	12.1	8.1	
1998 03 28		04 59.90	-53 43.3	4.885	4.810	79.8	11.8	8.3	
1998 04 07		05 05.26	-52 32.4	5.013	4.908	78.2	11.5	8.4	
1998 04 17		05 11.92	-51 32.9	5.137	5.006	76.9	11.3	8.5	
1998 04 27		05 19.60	-50 45.4	5.257	5.103	75.8	11.0	8.7	
1998 05 07		05 28.08	-50 10.4	5.371	5.200	74.9	10.8	8.8	
1998 05 17		05 37.15	-49 48.2	5.481	5.295	74.2	10.6	8.9	
1998 05 27		05 46.66	-49 38.7	5.585	5.390	73.8	10.4	9.1	
1998 06 06		05 56.45	-49 42.1	5.685	5.485	73.6	10.2	9.2	

110P/Hartley 3

Date	TT	α_{2000}	δ_{2000}	Δ	r	Elements <i>MPC</i> 24368			
						ϵ	ϕ	m_1	m_2
1997 05 02		18 13.04	-29 13.1	3.986	4.681	128.6	9.7		22.5
1997 05 12		18 09.46	-29 13.3	3.879	4.688	138.9	8.1		22.4
1997 05 22		18 04.40	-29 11.3	3.794	4.695	149.5	6.3		22.2
1997 06 01		17 58.15	-29 06.1	3.734	4.701	160.2	4.2		22.1
1997 06 11		17 51.10	-28 57.0	3.702	4.707	170.4	2.1		22.0
1997 06 21		17 43.75	-28 43.9	3.700	4.712	173.7	1.3		21.9
1997 07 01		17 36.59	-28 27.0	3.728	4.717	164.7	3.3		22.1

1997 07 11	17 30.13	-28 07.3	3.785	4.721	154.2	5.4	22.2
1997 07 21	17 24.76	-27 46.0	3.868	4.725	143.6	7.3	22.3
1997 07 31	17 20.77	-27 24.4	3.975	4.729	133.3	9.0	22.5

4P/Faye

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements <i>MPC</i> 27081	
1997 05 12		17 28.17	-13 59.3	4.120	5.005	148.0	6.1	21.6	22.5		
1997 05 22		17 22.75	-13 40.1	4.019	4.973	158.1	4.4	21.5	22.4		
1997 06 01		17 16.52	-13 22.8	3.946	4.940	167.0	2.6	21.4	22.2		
1997 06 11		17 09.82	-13 08.2	3.903	4.906	169.9	2.1	21.3	22.2		
1997 06 21		17 03.10	-12 57.1	3.891	4.872	163.2	3.5	21.3	22.2		
1997 07 01		16 56.77	-12 50.1	3.907	4.837	153.4	5.4	21.2	22.3		
1997 07 11		16 51.21	-12 47.6	3.950	4.802	143.1	7.3	21.2	22.4		
1997 07 21		16 46.74	-12 49.8	4.016	4.766	132.8	9.0	21.2	22.5		

103P/Hartley 2

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	Elements <i>MPC</i> 23484	
1997 05 12		19 55.35	-05 52.9	2.206	2.734	110.9	20.2	19.0	22.4		
1997 05 22		19 57.92	-04 28.2	2.012	2.655	119.0	19.5	18.5	22.1		
1997 06 01		19 58.23	-03 02.0	1.830	2.575	127.4	18.2	18.0	21.8		
1997 06 11		19 55.93	-01 36.8	1.662	2.493	136.0	16.4	17.5	21.5		
1997 06 21		19 50.77	-00 16.2	1.511	2.410	144.3	14.3	17.0	21.1		
1997 07 01		19 42.68	+00 55.0	1.381	2.326	151.6	12.0	16.5	20.8		
1997 07 11		19 31.89	+01 50.5	1.273	2.240	155.9	10.7	16.0	20.5		
1997 07 21		19 19.15	+02 24.2	1.189	2.153	154.8	11.6	15.5	20.3		
1997 07 31		19 05.67	+02 31.6	1.129	2.064	148.6	14.8	15.1	20.2		
1997 08 10		18 53.01	+02 11.0	1.090	1.975	139.6	19.4	14.6	20.1		
1997 08 20		18 42.72	+01 25.2	1.069	1.885	129.8	24.4	14.2	20.2		
1997 08 30		18 36.00	+00 19.6	1.061	1.794	120.1	29.1	13.7	20.2		
1997 09 09		18 33.59	-00 59.0	1.060	1.703	110.9	33.5	13.3	20.2		
1997 09 19		18 35.82	-02 24.0	1.062	1.613	102.6	37.4	12.8	20.2		
1997 09 29		18 42.71	-03 50.0	1.062	1.523	95.1	40.9	12.3	20.2		
1997 10 09		18 54.21	-05 12.9	1.058	1.435	88.5	44.1	11.8	20.1		
1997 10 19		19 10.22	-06 28.9	1.047	1.351	82.8	47.0	11.2	20.0		
1997 10 29		19 30.68	-07 35.3	1.028	1.271	77.9	49.8	10.6	19.9		
1997 11 08		19 55.65	-08 29.1	1.002	1.199	74.0	52.6	10.1	19.8		
1997 11 18		20 25.18	-09 07.4	0.968	1.136	71.0	55.3	9.5	19.7		
1997 11 28		20 59.38	-09 27.3	0.931	1.085	68.9	58.0	9.1	19.6		
1997 12 08		21 38.35	-09 25.1	0.892	1.050	67.9	60.3	8.7	19.5		
1997 12 18		22 21.94	-08 56.8	0.856	1.033	67.9	61.9	8.4	19.4		
1997 12 28		23 09.66	-07 58.8	0.830	1.035	69.0	62.5	8.4	19.4		
1998 01 07		00 00.48	-06 29.2	0.818	1.056	71.1	61.7	8.5	19.4		
1998 01 17		00 52.71	-04 31.1	0.826	1.095	73.9	59.7	8.9	19.4		
1998 01 27		01 44.36	-02 13.6	0.857	1.148	76.8	56.6	9.4	19.5		
1998 02 06		02 33.68	+00 10.4	0.911	1.214	79.4	53.0	10.0	19.7		
1998 02 16		03 19.47	+02 27.9	0.989	1.288	81.3	49.3	10.7	19.9		
1998 02 26		04 01.29	+04 29.8	1.088	1.368	82.2	45.8	11.4	20.1		
1998 03 08		04 39.26	+06 11.3	1.206	1.454	82.2	42.6	12.2	20.4		
1998 03 18		05 13.72	+07 30.8	1.339	1.542	81.2	39.6	12.9	20.6		
1998 03 28		05 45.16	+08 29.0	1.487	1.632	79.4	37.0	13.6	20.9		
1998 04 07		06 14.04	+09 07.5	1.645	1.722	77.0	34.5	14.3	21.2		
1998 04 17		06 40.73	+09 28.2	1.812	1.813	74.0	32.1	15.0	21.4		
1998 04 27		07 05.58	+09 33.3	1.986	1.904	70.6	29.9	15.6	21.7		

1998 05 07	07 28.87	+09 24.5	2.164	1.994	66.7	27.7	16.2	21.9
1998 05 17	07 50.78	+09 03.8	2.344	2.083	62.7	25.5	16.7	22.1
1998 05 27	08 11.51	+08 32.8	2.525	2.171	58.3	23.4	17.2	22.3
1998 06 06	08 31.20	+07 52.7	2.704	2.258	53.8	21.3	17.7	22.5

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	ϕ_{MIN}	MPC
1995 WJ	97 02 24.0	10 29.25	+18 12.0	18.3	-0.90	+ 5.1	2.5/21.4	26407
1994 OC	97 02 24.0	10 29.26	+05 04.0	16.1	-0.86	+ 2.1	1.3/25.2	29138
1995 UP ₈	97 02 24.2	10 30.08	+11 29.9	17.4	-1.07	+ 4.8	0.8/23.7	29304
1995 VL	97 02 24.2	10 30.16	+29 15.4	18.6	-0.97	+ 4.4	5.9/18.2	26423
1991 RG ₄	97 02 24.2	10 30.18	+07 21.6	20.0	-0.94	+ 5.3	0.6/24.9	29299
1993 FT ₁₄	97 02 24.3	10 30.24	+13 56.7	15.4	-0.80	+ 8.4	2.0/22.8	29137
(6686)	97 02 24.3	10 30.65	+09 00.1	16.6	-0.80	+ 5.4	0.1/24.5	26149
1996 VN ₆	97 02 24.4	10 30.87	+14 54.6	17.4	-1.08	+ 1.4	1.8/23.1	29117
1969 TT ₁	97 02 24.4	10 30.97	+12 29.8	17.4	-0.99	+ 5.1	1.1/23.6	25646
(6836)	97 02 24.4	10 31.00	+07 50.8	16.8	-0.82	+ 4.7	0.4/24.9	26555
1989 SX ₂	97 02 24.4	10 31.03	+17 57.1	16.3	-0.77	+ 5.9	2.8/21.7	28842
1994 PO	97 02 24.5	10 31.28	+01 20.7	15.9	-1.07	- 0.3	3.2/26.4	29318
1977 QD ₃	97 02 24.6	10 31.62	+18 13.1	18.2	-0.94	+ 3.3	2.5/22.1	28313
(7318)	97 02 24.6	10 31.78	+16 51.7	16.3	-0.84	+ 8.3	2.2/22.2	28566
2113 P-L	97 02 24.6	10 31.79	+03 55.5	18.7	-0.86	+ 5.6	1.7/26.3	23539
1995 UM ₁₆	97 02 24.8	10 32.16	+06 25.0	20.2	-0.82	+ 6.2	0.9/25.7	29305
(7532)	97 02 24.8	10 32.19	+32 39.8	17.7	-1.09	+ 2.0	7.4/18.1	29294
1995 SL	97 02 24.9	10 32.56	+05 08.4	17.7	-1.00	+ 3.7	1.5/26.0	29139
1993 EP	97 02 24.9	10 32.86	+13 19.8	15.5	-1.13	- 1.1	1.8/24.0	29136
(6693)	97 02 25.0	10 32.97	+03 37.1	17.7	-1.04	+ 3.5	1.8/26.5	26151
1991 PX ₁₇	97 02 25.0	10 33.03	+14 13.8	16.4	-1.09	+ 3.5	1.9/23.7	29098
1981 EF ₃₇	97 02 25.0	10 33.23	+21 20.4	16.9	-1.11	+ 1.5	4.1/21.9	29315
1994 GA ₁	97 02 25.0	10 33.26	+17 08.3	16.7	-1.04	+ 6.8	3.0/22.6	29104
1995 SL ₃₅	97 02 25.2	10 34.10	+38 22.2	18.3	-1.33	- 1.7	10.5/17.9	26178
(7513)	97 02 25.3	10 34.17	+12 10.5	17.4	-1.07	+ 5.2	1.2/24.4	29289
1990 OO ₂	97 02 25.3	10 34.35	+05 50.8	16.5	-1.02	+ 1.5	1.0/26.2	29316
1994 PC ₇	97 02 25.4	10 34.58	+11 46.7	16.2	-0.78	+ 8.9	1.0/24.5	29105
1982 VU ₂	97 02 25.5	10 34.78	+32 40.4	16.5	-1.04	+ 4.1	7.8/17.9	26418
1992 YB	97 02 25.5	10 35.02	+11 33.0	16.9	-0.93	+ 8.5	1.0/24.7	29317
4004 P-L	97 02 25.5	10 35.04	+09 48.3	17.4	-0.94	+ 3.5	0.3/25.3	23539
1251 T-2	97 02 25.5	10 35.06	+09 05.7	16.9	-0.79	+ 5.2	0.1/25.5	22701
1992 UT ₃	97 02 25.6	10 35.16	+20 59.0	16.1	-1.06	+ 4.8	5.1/22.1	29136
1995 UB ₉	97 02 25.6	10 35.37	+17 00.9	16.6	-1.04	+ 5.8	2.8/23.3	26182
1981 ER ₁₂	97 02 25.6	10 35.41	+09 52.7	18.3	-0.90	+ 1.5	0.3/25.4	26917
1985 RA ₄	97 02 25.7	10 35.73	+11 38.9	17.9	-0.92	+ 3.2	0.9/25.0	29133
2712 P-L	97 02 25.8	10 35.94	+12 22.8	17.4	-0.87	+ 6.0	1.2/24.7	23531
1981 DN ₁	97 02 26.0	10 36.92	+00 13.5	17.8	-0.95	+ 3.2	2.6/28.4	26914
1979 MM ₈	97 02 26.0	10 36.94	+06 36.5	18.1	-0.90	+ 6.6	0.7/26.7	29315
1995 VM	97 02 26.0	10 37.02	+34 21.0	16.7	-1.05	+ 4.3	9.0/17.5	26423
1995 TB ₁	97 02 26.0	10 37.10	+11 43.3	17.2	-0.90	+ 6.7	1.0/25.2	29319
1995 WL ₇	97 02 26.1	10 37.48	+18 22.2	17.0	-0.84	+ 5.2	2.8/23.2	29319
1993 LE	97 02 26.2	10 37.48	+16 17.5	16.3	-0.75	+ 7.4	2.2/23.6	29103
(7043)	97 02 26.4	10 38.25	+07 34.5	15.8	-0.98	+ 8.4	0.4/26.7	27434
2560 P-L	97 02 26.4	10 38.42	+07 50.0	18.1	-0.81	+ 5.1	0.2/26.7	29321

1992 ED ₈	97 02 26.4	10 38.53	+08 45.9	17.0	-0.83	+ 4.4	0.1/26.4	25650
1992 EQ ₂₇	97 02 26.5	10 38.56	+08 07.5	18.1	-0.79	+ 5.3	0.1/26.6	29317
1978 VG ₁₁	97 02 26.5	10 38.72	+19 21.7	18.8	-0.92	+ 4.9	3.3/23.3	26187
1981 EM ₁₇	97 02 26.5	10 38.98	+00 59.0	17.9	-0.85	+ 6.4	2.2/01.0	28314
1997 CY ₂	97 02 26.6	10 39.19	+12 27.7	16.7	-0.77	+ 5.9	1.4/25.4	29321
1988 PV ₁	97 02 26.7	10 39.36	+02 22.6	17.9	-1.02	+ 4.9	2.2/28.5	22079
(7541)	97 02 26.7	10 39.36	+07 27.5	17.9	-0.83	+ 6.4	0.3/27.0	29296
1991 UZ	97 02 26.7	10 39.49	+06 53.8	16.8	-0.87	+ 7.0	0.5/27.2	26190
1990 RD ₅	97 02 26.7	10 39.50	+01 33.7	16.8	-0.84	+ 5.2	2.3/28.9	23974
1988 BC	97 02 26.7	10 39.66	+32 27.0	15.1	-0.86	+ 5.7	10.2/18.3	29316
1979 XJ	97 02 26.8	10 39.69	+16 20.3	17.6	-1.03	+ 7.2	2.7/24.4	29132
1991 XH	97 02 26.8	10 39.75	+17 03.6	17.1	-0.85	+ 8.7	2.6/23.9	25974
1992 UU ₅	97 02 26.9	10 40.42	+14 33.8	17.0	-1.05	+ 5.9	2.5/25.2	28300
(6777)	97 02 26.9	10 40.52	+10 31.7	17.3	-0.76	+ 5.0	0.6/26.3	26386
1981 ER ₃₂	97 02 27.0	10 40.62	+06 04.3	19.1	-0.76	+ 8.5	0.7/27.8	26921
1995 UP ₃	97 02 27.0	10 40.65	+12 09.3	17.5	-1.02	+ 4.7	1.3/26.0	25968
1995 TS	97 02 27.0	10 40.91	+08 40.0	17.6	-0.95	+ 5.5	0.1/27.0	26582
1997 CH ₂₂	97 02 27.2	10 41.63	+07 05.6	18.3	-0.93	+ 3.5	0.5/27.6	29312
1988 RW ₃	97 02 27.3	10 41.63	+10 01.4	18.9	-0.75	+ 4.2	0.4/26.8	21972
(6708)	97 02 27.3	10 41.65	+21 08.0	16.8	-0.93	+ 8.1	4.1/23.0	26154
1990 OH	97 02 27.4	10 42.05	-08 00.7	18.6	-0.80	+ 5.9	4.2/04.7	26579
1993 FS ₂₄	97 02 27.4	10 42.28	+10 18.4	17.4	-0.95	+ 3.5	0.8/26.9	29137
1042 T-2	97 02 27.4	10 42.30	+05 39.1	18.0	-0.86	+ 5.5	0.8/28.3	28320
1993 FT ₁₁	97 02 27.6	10 43.00	+24 18.7	16.4	-1.04	+ 2.0	5.2/23.2	26564
1981 EH ₃₃	97 02 27.7	10 43.19	+00 16.3	19.0	-0.72	+ 6.5	2.2/02.3	26921
1994 GM ₁	97 02 27.7	10 43.50	+15 38.4	17.4	-0.99	+ 6.5	2.7/25.5	26191
1981 UW ₂₁	97 02 27.8	10 43.48	+12 52.3	15.9	-0.82	+ 6.4	1.5/26.3	28883
1981 EU ₁₈	97 02 27.8	10 43.57	+08 23.3	18.0	-0.77	+ 4.7	0.1/27.7	26578
1989 GR ₃	97 02 27.8	10 43.83	+01 23.5	17.4	-0.93	+ 5.1	2.3/01.8	17443
1992 FZ	97 02 27.9	10 44.12	+12 20.3	15.3	-0.88	+ 2.0	1.4/26.8	29317
4172 T-1	97 02 28.0	10 44.25	+09 31.4	18.1	-0.95	+ 6.5	0.6/27.5	26185
4606 P-L	97 02 28.0	10 44.48	+11 40.4	17.2	-1.01	+ 5.8	1.4/27.0	29141
1981 EA ₂₇	97 02 28.2	10 45.32	+10 41.9	18.2	-0.80	+ 5.0	1.0/27.4	26920
1993 FX ₃₇	97 02 28.2	10 45.39	+12 07.2	16.4	-0.88	+ 4.9	1.3/27.0	23527
1982 RK	97 02 28.3	10 45.70	+14 51.0	16.2	-1.02	+ 7.4	2.7/26.2	23682
3306 T-2	97 02 28.4	10 45.78	+15 25.0	18.5	-1.11	+ 4.8	3.2/26.3	24585
1989 AZ ₅	97 02 28.4	10 46.07	+14 20.6	15.3	-0.88	+ 7.0	2.7/26.4	14954
1997 EP ₁₇	97 02 28.5	10 46.32	+01 18.8	15.3	-0.90	+ 8.2	2.9/02.6	29313
4764 P-L	97 02 28.5	10 46.46	+08 17.4	17.6	-0.80	+ 5.7	0.2/28.4	24757
1995 WO ₈	97 02 28.6	10 46.51	+13 38.3	14.8	-0.69	+10.8	2.0/26.4	29319
1973 QG ₂	97 02 28.6	10 46.56	+11 45.7	17.9	-0.78	+ 4.4	1.1/27.4	29131
(7188)	97 02 28.6	10 46.64	+15 02.7	16.9	-1.08	+ 5.9	2.8/26.5	27901
1981 JB ₂	97 02 28.7	10 47.09	+26 46.5	16.2	-0.87	+ 3.0	5.5/22.8	28882
1991 PP ₁₆	97 02 28.7	10 47.28	+09 01.0	17.0	-0.91	+ 7.4	0.4/28.4	28886
1990 QO ₆	97 02 28.8	10 47.23	+08 36.5	18.7	-0.80	+ 8.5	0.3/28.5	22273
2740 P-L	97 02 28.8	10 47.56	+06 53.2	19.0	-0.83	+ 7.1	0.3/01.1	22700
1991 YT	97 02 28.8	10 47.63	-11 09.2	17.7	-0.89	+ 4.0	6.0/06.8	27445
1991 NV ₁	97 02 28.9	10 47.92	-03 12.2	16.9	-0.95	+ 5.6	3.9/04.3	28886
(7405)	97 03 01.0	10 48.34	+22 25.9	15.9	-0.89	+ 6.0	4.9/24.2	28827
1994 PJ ₁₃	97 03 01.0	10 48.37	+07 37.8	18.2	-0.73	+ 4.7	0.0/01.1	25219
1978 RC ₉	97 03 01.1	10 48.63	+07 18.1	18.5	-1.07	+ 4.8	0.1/01.2	29315

1981 EB ₁₄	97 03 01.1	10 48.64	-01 25.7	18.9	-0.77	+	4.7	2.7/04.0	26917
1980 DN	97 03 01.2	10 48.78	+14 05.4	16.0	-0.73	+	7.0	2.1/27.0	29092
1992 EQ ₁₁	97 03 01.2	10 48.92	+10 11.0	17.0	-0.80	+	4.6	0.7/28.4	26190
(6715)	97 03 01.2	10 49.01	+09 46.1	16.7	-0.91	+	4.2	0.8/28.6	26156
1994 RB ₁₇	97 03 01.2	10 49.01	+08 06.6	17.6	-0.79	+	5.6	0.2/01.1	27937
(6772)	97 03 01.2	10 49.02	-08 05.8	17.0	-0.95	+	2.7	5.0/06.0	26385
(7518)	97 03 01.2	10 49.09	+14 36.3	15.7	-0.93	+	4.7	2.9/27.2	29291
4134 T-3	97 03 01.3	10 49.35	+13 39.3	18.1	-0.89	+	5.2	2.0/27.5	12802
1991 PU ₁₆	97 03 01.4	10 49.49	+11 11.2	17.9	-0.99	+	5.1	1.3/28.3	27120
1981 EC ₅	97 03 01.4	10 49.83	-03 26.1	18.8	-1.05	+	4.9	4.3/04.6	26915
1995 US ₈	97 03 01.4	10 49.87	+28 42.8	16.0	-1.05	+	5.3	7.6/22.5	29319
(6744)	97 03 01.5	10 49.84	+19 18.1	16.8	-1.05	+	7.3	4.5/25.7	26163
1993 FX ₃₁	97 03 01.8	10 51.02	+11 56.3	17.0	-0.85	+	5.9	1.4/28.4	26173
1995 YP ₂	97 03 01.8	10 51.27	+23 43.2	17.2	-0.82	+	5.1	4.6/24.5	29306
4035 P-L	97 03 01.8	10 51.40	+02 29.0	18.5	-0.74	+	4.1	1.2/03.4	25435
1989 SM ₄	97 03 01.9	10 51.35	+10 17.2	18.7	-0.76	+	5.0	0.8/28.9	24562
1994 NR ₁	97 03 01.9	10 51.64	+15 46.7	15.9	-0.77	+	8.0	2.7/27.0	29318
1995 UY ₄₀	97 03 02.0	10 51.84	+00 19.6	20.2	-0.92	+	6.5	2.3/04.2	27110
2075 T-2	97 03 02.0	10 51.94	+03 35.9	18.1	-0.95	+	8.0	1.4/03.2	26577
6636 P-L	97 03 02.0	10 51.97	+11 35.2	17.8	-0.81	+	5.8	1.4/28.7	29321
1981 DO	97 03 02.0	10 52.00	-10 34.7	18.6	-0.84	+	7.2	6.2/08.0	26914
1991 LF ₁	97 03 02.1	10 52.16	+14 39.2	18.0	-1.01	+	6.4	2.6/27.8	25974
1981 EX ₈	97 03 02.1	10 52.40	+02 42.6	18.7	-0.92	+	4.7	1.5/03.5	26916
1995 YB ₂	97 03 02.2	10 52.63	+05 42.4	16.9	-0.66	+	3.6	0.4/02.7	29306
(7394)	97 03 02.2	10 52.72	+04 17.2	16.8	-0.59	+	5.0	0.6/03.2	28824
1994 JT	97 03 02.2	10 52.85	+05 21.9	17.7	-0.89	+	10.1	0.7/02.9	29318
1995 US ₄	97 03 02.3	10 52.93	+17 39.3	18.1	-1.05	+	5.7	3.6/27.1	26423
1990 QC ₁₉	97 03 02.3	10 53.09	-25 18.6	16.8	-1.64	-	6.2	15.6/08.7	20148
1981 EM ₃₇	97 03 02.3	10 53.10	+01 47.4	19.0	-1.04	+	6.2	2.0/03.9	27909
9544 P-L	97 03 02.3	10 53.18	+06 45.3	18.1	-0.89	+	7.5	0.1/02.5	20516
(7417)	97 03 02.3	10 53.23	+10 04.4	16.5	-0.79	+	5.0	1.0/01.4	28830
(6743)	97 03 02.4	10 53.25	+22 04.9	16.5	-1.10	+	6.5	5.7/25.6	26162
1995 UZ ₈	97 03 02.4	10 53.40	+15 14.5	16.8	-0.90	+	2.2	2.7/28.1	29319
1993 FD ₅₁	97 03 02.5	10 53.86	+06 13.8	17.7	-0.86	+	5.2	0.2/02.8	26421
1981 YW ₂₂	97 03 02.5	10 53.96	+04 35.1	18.4	-0.78	+	6.3	0.9/03.4	26919
1982 UU ₅	97 03 02.5	10 53.97	+00 21.0	16.7	-0.89	+	4.8	2.2/04.6	26418
(6812)	97 03 02.6	10 54.13	+06 27.7	17.6	-0.76	+	4.9	0.2/02.8	26549
1981 EG ₁₆	97 03 02.6	10 54.22	+07 35.6	16.5	-1.13	-	0.4	0.2/02.5	29093
1981 EC ₁₇	97 03 02.6	10 54.41	+03 50.6	18.5	-1.07	+	3.9	1.4/03.6	26918
1989 TB ₁	97 03 02.7	10 54.65	+09 42.3	16.7	-1.09	+	5.1	1.2/02.0	28613
1981 EY ₂	97 03 02.7	10 54.69	-05 02.4	18.9	-0.73	+	5.3	3.2/06.7	26915
1991 WB	97 03 02.7	10 54.71	+59 58.1	17.3	-1.47	+	1.8	15.2/14.0	21579
1981 EF ₄₄	97 03 02.7	10 54.74	+05 48.5	18.7	-0.80	+	3.7	0.3/03.1	26923
1981 DR ₁	97 03 02.8	10 54.71	-11 16.7	18.0	-0.85	+	6.9	6.4/08.8	26914
1990 EU ₄	97 03 02.8	10 54.96	+06 18.0	17.2	-1.02	+	3.6	0.3/03.0	20637
1988 VF ₂	97 03 02.9	10 55.13	+17 16.3	17.7	-1.05	+	4.5	3.5/27.9	29316
(7401)	97 03 02.9	10 55.19	+03 54.0	17.9	-0.92	+	6.0	1.0/03.8	28826
(7535)	97 03 03.0	10 55.47	+16 15.9	16.5	-0.84	+	3.7	2.9/28.1	29295
1981 UZ ₂₄	97 03 03.0	10 55.51	+20 19.4	18.0	-1.07	+	4.6	4.8/27.0	20630
1991 RN ₁₁	97 03 03.0	10 55.52	+11 27.2	17.7	-0.95	+	6.5	1.7/01.6	21976
1986 EP ₅	97 03 03.1	10 56.05	+06 40.2	16.7	-0.74	+	5.1	0.0/03.2	24735

4237 T-3	97 03 03.1	10 56.23	+16 06.5	16.6	-0.93	+	6.4	4.1/28.2	29321
1994 PB ₂	97 03 03.2	10 56.29	+06 28.8	17.0	-0.82	+	4.7	0.1/03.3	26581
1981 EH ₁₇	97 03 03.2	10 56.42	+00 51.3	18.5	-0.72	+	6.5	1.7/05.2	26918
1992 WH ₈	97 03 03.3	10 56.73	+07 22.0	17.2	-1.05	+	6.0	0.2/03.2	26190
1991 PJ ₁₅	97 03 03.3	10 57.02	+10 30.1	17.7	-0.98	+	7.1	1.4/02.2	20508
2581 P-L	97 03 03.4	10 57.01	+11 18.5	18.8	-0.80	+	5.3	1.4/02.0	26414
3285 T-2	97 03 03.4	10 57.20	+12 45.9	17.7	-0.98	+	5.5	2.0/01.6	27732
1992 ER ₄	97 03 03.5	10 57.52	+11 46.8	17.0	-0.82	+	4.9	1.6/01.9	29099
1993 FN ₁	97 03 03.5	10 57.58	+10 25.4	16.8	-0.85	+	8.1	1.2/02.3	24408
1995 UU ₆	97 03 03.6	10 57.74	+05 19.8	20.1	-0.98	+	4.1	0.4/04.0	26906
1995 VY	97 03 03.7	10 58.06	+12 33.5	17.4	-0.89	+	5.4	1.7/01.9	27456
4060 P-L	97 03 03.7	10 58.23	+03 48.6	17.7	-0.86	+	5.5	1.0/04.6	22086
1993 FW ₃₇	97 03 03.7	10 58.27	-00 50.9	16.3	-0.75	+	10.8	2.8/06.4	23527
4024 P-L	97 03 03.8	10 58.69	+02 27.9	17.6	-0.87	+	4.8	1.2/05.1	23531
1994 PP ₃₄	97 03 03.8	10 58.86	+04 24.8	17.7	-0.82	+	4.7	0.7/04.5	24570
1991 LB	97 03 03.8	10 58.89	-00 12.9	18.0	-0.97	+	6.9	2.3/06.0	25957
1995 VP	97 03 03.9	10 58.98	-03 56.2	15.6	-0.83	+	4.8	3.6/07.2	26760
1993 FL ₁₉	97 03 04.0	10 59.47	+06 54.1	18.3	-0.81	+	9.4	0.1/03.9	29300
1994 PC ₁₄	97 03 04.0	10 59.49	+05 20.7	17.2	-0.82	+	4.8	0.4/04.4	25651
1982 UT ₅	97 03 04.0	10 59.50	+00 46.9	16.5	-0.98	+	7.1	2.3/06.0	25972
1994 KA	97 03 04.1	10 59.83	+43 12.8	17.2	-1.20	+	4.0	10.6/18.8	27121
1995 WW ₃	97 03 04.1	10 59.83	-16 03.8	17.7	-0.89	+	2.6	6.5/11.1	29319
1994 GF	97 03 04.1	10 59.85	+12 34.7	16.6	-0.99	+	7.5	2.7/02.2	26191
1995 QJ	97 03 04.1	10 59.88	+07 47.8	18.8	-0.95	+	7.2	0.5/03.7	29138
1995 SC	97 03 04.1	10 59.90	-18 34.0	20.6	-1.06	+	0.9	6.7/11.4	27123
6614 P-L	97 03 04.2	11 00.01	+09 42.1	17.7	-0.86	+	6.0	1.1/03.2	26423
1991 PZ ₁₂	97 03 04.2	11 00.38	+02 37.3	17.7	-1.00	+	4.0	1.3/05.4	23790
1990 TN ₃	97 03 04.3	11 00.30	+36 15.5	16.7	-1.71	-	3.8	13.4/26.0	21974
(6690)	97 03 04.3	11 00.32	+03 28.6	16.2	-1.05	+	4.8	1.1/05.1	26150
5141 T-2	97 03 04.3	11 00.44	-04 09.3	17.2	-0.81	+	3.0	3.0/07.5	28620
(7525)	97 03 04.3	11 00.47	-02 31.0	17.1	-1.04	+	4.0	3.4/06.9	29292
1994 PJ ₂₀	97 03 04.4	11 00.96	+04 42.8	16.8	-0.82	+	5.0	0.5/05.0	26565
4093 T-3	97 03 04.5	11 01.10	+19 14.6	18.2	-1.04	+	4.4	5.3/28.6	26186
1981 EG ₉	97 03 04.5	11 01.17	-00 23.7	17.8	-0.78	+	4.6	2.4/06.6	26916
1993 FU ₁₁	97 03 04.6	11 01.59	+10 33.9	17.0	-0.86	+	6.6	1.5/03.2	23523
1971 FB	97 03 04.8	11 02.44	-13 20.3	16.3	-0.55	+	26.3	8.0/14.2	22482
1977 QF ₁	97 03 04.8	11 02.56	+10 51.2	16.8	-0.96	+	2.5	1.4/03.6	29131
1990 VD ₆	97 03 04.9	11 02.97	+05 58.1	16.9	-0.78	+	7.7	0.0/05.0	28316
(7495)	97 03 05.0	11 02.91	-06 20.2	17.5	-0.82	+	5.0	4.7/09.0	29089
(6842)	97 03 05.0	11 02.98	-10 20.6	17.8	-0.83	+	6.0	5.2/10.5	26556
1990 OB ₄	97 03 05.0	11 03.06	-11 13.4	18.9	-0.86	+	4.1	4.8/10.5	22082
1993 DD ₂	97 03 05.1	11 03.42	+20 34.7	16.0	-1.12	+	0.5	5.3/01.4	29136
1981 EB ₃₀	97 03 05.2	11 03.66	+06 09.8	19.6	-1.06	+	1.5	0.0/05.2	26920
3453 T-3	97 03 05.2	11 04.01	+01 12.8	17.6	-0.91	+	8.9	1.9/06.9	21978
1987 SH ₇	97 03 05.3	11 04.19	-27 09.4	16.3	-1.38	-	1.4	14.4/13.8	26419
4065 P-L	97 03 05.3	11 04.29	+02 36.0	19.4	-1.00	+	5.4	1.2/06.4	25075
1991 VJ ₁	97 03 05.3	11 04.30	+09 11.5	19.7	-0.90	+	5.9	1.0/04.4	26190
1995 SH ₃₂	97 03 05.4	11 04.55	+04 58.8	17.3	-1.07	+	4.1	0.4/05.7	29109
1128 T-3	97 03 05.4	11 04.56	+07 35.0	18.4	-0.83	+	2.2	0.4/05.0	22432
1988 RM ₇	97 03 05.4	11 04.61	+04 23.7	19.2	-0.77	+	4.6	0.4/05.9	22969
1996 EU ₂	97 03 05.5	11 05.19	-17 35.1	16.1	-0.73	+	3.3	6.1/13.5	29319

1992 WZ	97 03 05.6	11 05.37	+16 27.0	16.9	-1.05	+ 5.1	4.1/02.5	29317	1995 VA ₂	97 03 07.8	11 13.59	+22 53.6	17.3	-0.98	+ 4.0	6.7/02.2	29319
1977 QY	97 03 05.6	11 05.37	+04 42.2	16.2	-0.95	+ 2.5	0.3/06.0	26578	1995 XB	97 03 07.8	11 13.61	+09 38.9	16.9	-0.81	+ 5.0	1.5/06.4	29319
1978 SB ₈	97 03 05.7	11 05.54	+10 37.3	17.9	-1.05	+ 4.6	1.7/04.3	26187	1981 EM ₁₆	97 03 07.8	11 13.69	-00 00.6	19.4	-0.84	+ 2.5	1.5/09.4	26918
1988 PZ ₁	97 03 05.7	11 05.72	+06 16.0	18.1	-0.72	+ 4.4	0.1/05.6	24239	4180 T-2	97 03 07.9	11 13.80	+07 37.2	18.3	-0.94	+ 6.2	0.8/07.1	26193
1992 UL ₂	97 03 05.7	11 05.85	+03 07.3	17.0	-1.06	+ 5.5	1.0/06.6	29136	1039 T-3	97 03 07.9	11 13.84	+04 32.4	18.3	-0.98	+ 2.1	0.1/08.1	29142
1993 BH ₂	97 03 05.7	11 05.90	+11 27.2	15.5	-0.93	+ 7.4	2.3/03.9	29317	1981 EC ₃₀	97 03 07.9	11 13.85	-08 02.9	19.3	-0.95	+ 0.2	4.0/11.4	26920
1992 WP ₅	97 03 05.8	11 05.90	+11 39.4	15.9	-1.00	+ 7.3	2.4/03.9	29136	1991 BX	97 03 08.0	11 14.03	-01 41.7	16.5	-0.76	+ 5.1	2.1/10.2	26757
1997 CH ₂₆	97 03 06.0	11 06.68	+15 59.0	17.9	-0.83	+ 6.4	3.0/02.6	29312	(6681)	97 03 08.0	11 14.07	+12 04.4	17.3	-1.06	+ 5.4	2.6/05.9	26148
1997 CK ₂₆	97 03 06.0	11 06.72	+17 55.4	17.8	-1.00	+ 5.1	4.9/02.2	29312	(7149)	97 03 08.0	11 14.20	+04 37.3	17.8	-0.75	+ 5.0	0.1/08.1	28566
1981 EU ₂	97 03 06.0	11 07.00	-03 31.0	19.2	-0.82	+ 2.5	2.6/08.8	26915	1981 EH ₅	97 03 08.0	11 14.33	-08 05.6	19.2	-0.74	+ 5.1	3.6/12.4	26915
(7527)	97 03 06.1	11 07.08	+02 23.6	17.1	-1.02	+ 4.5	1.1/07.1	29293	(7357)	97 03 08.0	11 14.47	+07 10.5	17.1	-0.96	+ 7.5	0.8/07.4	28577
1995 XJ ₁	97 03 06.1	11 07.41	-07 55.8	15.8	-0.78	+ 4.0	3.9/10.5	26572	1981 ER ₄₂	97 03 08.1	11 14.58	+05 55.7	19.4	-0.77	+ 4.5	0.3/07.8	21968
1995 SH ₄	97 03 06.1	11 07.42	-11 21.3	20.2	-1.02	+ 1.6	4.9/11.0	26746	1981 EW ₂₆	97 03 08.1	11 14.60	+02 14.7	19.0	-0.70	+ 7.7	0.7/09.1	26920
1988 CK ₄	97 03 06.2	11 07.40	-11 47.6	16.9	-0.94	+ 2.3	5.9/11.0	22951	1979 MP ₁	97 03 08.1	11 14.63	+04 57.1	18.4	-0.91	+ 6.4	0.0/08.1	26418
1993 FZ ₄₁	97 03 06.2	11 07.54	+16 21.3	16.4	-1.13	- 0.7	4.3/03.6	29300	1994 UK ₁	97 03 08.1	11 14.83	+08 10.7	16.9	-0.88	+ 4.3	1.0/07.2	29302
1981 EE ₄₆	97 03 06.2	11 07.64	+01 38.0	19.8	-0.77	+ 3.9	1.1/07.5	22430	1980 UW ₁	97 03 08.2	11 14.97	+03 07.5	18.8	-0.94	+ 5.5	0.5/08.8	21966
1980 FF ₃	97 03 06.2	11 07.80	+06 51.2	17.9	-0.98	+ 2.8	0.5/05.9	25078	1995 QG	97 03 08.2	11 15.14	-05 41.9	19.2	-1.02	+ 1.7	3.6/11.2	29107
5161 T-2	97 03 06.3	11 07.75	+02 34.2	17.3	-1.02	+ 1.6	1.1/07.1	16038	3186 T-3	97 03 08.3	11 15.27	+10 24.4	17.0	-1.00	+ 5.5	2.1/06.6	28893
(6795)	97 03 06.3	11 07.88	+09 47.1	16.7	-0.84	+ 6.6	1.3/05.0	26390	1982 VC ₃	97 03 08.4	11 15.57	+13 55.6	19.2	-0.87	+ 5.3	2.5/05.5	22075
1981 EV ₄₆	97 03 06.3	11 08.08	+04 55.6	18.9	-1.04	+ 6.0	0.2/06.6	22599	1994 RX ₁	97 03 08.4	11 15.63	+01 57.1	14.6	-0.83	+17.0	1.0/09.5	29318
1997 CB ₂₂	97 03 06.4	11 08.39	+06 07.3	15.6	-0.90	+ 3.3	0.2/06.3	29312	1979 QW ₃	97 03 08.4	11 15.87	+04 55.1	16.6	-0.91	+ 6.4	0.1/08.4	20328
1995 QB ₂	97 03 06.4	11 08.43	+01 07.5	17.5	-1.03	+ 5.4	1.6/07.8	25732	4821 P-L	97 03 08.7	11 16.90	+07 10.9	19.8	-0.84	+ 6.3	0.8/07.9	26423
1995 WC ₇	97 03 06.5	11 08.62	+13 31.8	18.4	-0.82	+ 3.8	2.4/04.0	29305	1989 TP ₁₆	97 03 08.8	11 17.01	+07 30.8	17.1	-0.77	+ 4.6	0.8/07.9	26167
1981 EA ₃₅	97 03 06.5	11 08.81	+09 25.0	18.4	-0.87	+ 2.1	1.0/05.4	26921	4253 T-2	97 03 08.8	11 17.09	+07 17.7	19.8	-0.91	+ 7.5	0.8/07.9	21978
1981 DD ₁	97 03 06.5	11 08.91	-01 47.1	17.9	-1.13	- 0.3	2.9/08.4	26914	1981 VL	97 03 08.8	11 17.31	+08 36.0	17.7	-1.01	+ 5.1	1.4/07.7	29316
1988 VA ₅	97 03 06.6	11 09.02	+07 56.4	18.2	-0.98	+ 5.7	0.8/05.9	26579	1995 WF ₆	97 03 08.8	11 17.42	+06 41.9	18.6	-0.91	+ 6.2	0.7/08.2	29319
1992 EQ ₈	97 03 06.6	11 09.02	+10 33.9	16.8	-0.80	+ 5.2	1.5/05.0	29135	1989 SR	97 03 09.0	11 17.81	-08 18.6	16.7	-0.75	+ 5.2	3.6/13.3	23973
3560 P-L	97 03 06.6	11 09.17	+09 05.6	16.3	-0.85	+ 1.8	1.0/05.6	29321	1995 SZ ₃	97 03 09.0	11 18.00	-01 01.2	17.8	-0.91	+ 7.4	1.8/11.0	27731
1995 XE ₁	97 03 06.6	11 09.28	+16 14.8	15.7	-0.78	+ 4.5	3.1/03.2	29113	6104 P-L	97 03 09.2	11 18.90	+01 34.6	19.0	-0.72	+ 5.4	0.8/10.2	24241
1212 T-2	97 03 06.7	11 09.23	-02 07.4	17.3	-0.72	+ 6.4	2.0/09.3	25540	1993 HM ₁	97 03 09.4	11 19.43	+20 48.2	16.1	-0.77	+11.5	6.0/03.0	27730
1981 EK ₉	97 03 06.7	11 09.24	+01 37.5	18.5	-0.77	+ 4.4	1.1/07.9	26916	1989 BE ₁	97 03 09.4	11 19.66	+10 51.8	16.5	-0.92	+ 6.6	2.5/07.4	21789
1964 YJ	97 03 06.7	11 09.37	+18 53.4	15.6	-0.76	+ 7.0	4.1/02.0	26913	(7516)	97 03 09.5	11 19.70	+03 55.3	16.2	-0.94	+ 9.1	0.1/09.7	29290
(6701)	97 03 06.7	11 09.66	-07 25.0	16.9	-0.95	+ 2.5	4.0/10.5	26153	1988 CW ₂	97 03 09.5	11 19.78	+06 23.1	17.2	-0.87	+ 5.7	0.7/08.9	26924
1978 VZ ₇	97 03 06.8	11 09.71	+06 21.2	19.1	-0.74	+ 4.5	0.2/06.5	28882	1995 SV ₂	97 03 09.6	11 20.33	+08 12.2	17.5	-0.96	+ 5.3	1.5/08.5	29139
(7464)	97 03 06.8	11 09.89	+10 28.5	18.8	-0.96	+ 4.4	1.6/05.4	29080	1995 WF ₂	97 03 09.8	11 20.76	+05 01.9	17.0	-0.74	+ 5.0	0.2/09.6	26582
1991 VV ₁	97 03 07.1	11 10.88	-12 54.5	17.8	-0.87	+ 6.6	5.4/13.2	28299	1993 FY ₄₃	97 03 09.9	11 21.36	+04 23.5	17.5	-0.90	+ 4.9	0.1/09.9	25428
1991 PG ₁₁	97 03 07.1	11 11.04	+02 52.8	18.0	-0.93	+ 8.0	0.8/07.9	19507	1989 EX	97 03 09.9	11 21.48	+16 02.4	14.7	-0.78	+10.8	4.6/05.5	29096
1990 RR ₃	97 03 07.1	11 11.10	+08 57.4	16.8	-0.93	+ 5.2	1.3/06.0	29298	1978 VN ₂	97 03 10.0	11 21.49	+04 34.9	18.0	-0.74	+ 4.4	0.1/09.9	29296
1993 BM ₁₂	97 03 07.1	11 11.13	+03 44.2	15.6	-0.93	+ 4.7	0.6/07.6	29317	1990 SL ₂₈	97 03 10.0	11 21.50	+03 10.6	17.1	-0.86	+ 5.2	0.3/10.3	28885
2276 T-2	97 03 07.2	11 11.36	+08 05.4	17.9	-0.89	+ 4.9	1.0/06.4	26416	4661 P-L	97 03 10.0	11 21.50	+08 14.2	17.9	-0.82	+ 4.8	1.3/08.7	29141
1995 YK ₃	97 03 07.2	11 11.48	-00 01.9	16.4	-0.62	+ 4.0	1.3/09.0	26928	2612 P-L	97 03 10.1	11 21.83	+02 14.9	19.8	-0.70	+ 4.9	0.4/10.7	26761
1991 RX ₁₀	97 03 07.2	11 11.53	+11 24.7	18.0	-1.08	+ 2.0	2.2/05.6	27935	1988 TJ	97 03 10.1	11 21.93	+05 00.9	17.0	-1.04	+ 4.1	0.3/09.9	26419
(6894)	97 03 07.3	11 11.65	-24 53.4	16.1	-1.05	+ 0.2	9.7/16.2	26888	1266 T-2	97 03 10.2	11 22.19	+04 41.6	17.9	-1.03	+ 3.6	0.2/10.0	29321
1991 PL ₁₇	97 03 07.5	11 12.27	-04 02.4	18.6	-0.97	+ 4.2	2.9/10.2	27455	4181 T-3	97 03 10.2	11 22.29	+08 15.8	19.8	-0.95	+ 6.4	1.3/08.9	21978
2114 T-2	97 03 07.6	11 12.75	+03 07.7	15.9	-0.86	+ 8.0	0.8/08.3	22088	1990 SY	97 03 10.3	11 22.61	-00 46.1	16.9	-0.95	+ 3.4	1.5/11.7	24912
(6758)	97 03 07.6	11 12.86	+16 06.6	16.7	-1.05	+ 1.6	4.1/04.6	26381	1995 VG ₂	97 03 10.4	11 22.90	+12 50.6	17.0	-1.05	+ 4.1	3.1/07.8	29305
1981 EV ₆	97 03 07.7	11 13.08	-05 46.9	17.4	-0.77	+ 3.9	2.9/11.2	26558	1994 PV ₁₆	97 03 10.4	11 23.02	+03 42.5	17.4	-0.88	+ 4.4	0.1/10.5	28888
1021 T-2	97 03 07.7	11 13.28	+03 31.8	19.5	-0.93	+ 6.7	0.5/08.3	23681	4718 P-L	97 03 10.5	11 23.41	+05 38.4	19.7	-0.89	+ 4.7	0.5/10.0	25223
1988 RZ ₁₁	97 03 07.8	11 13.29	+07 39.5	18.7	-0.72	+ 3.8	0.6/07.0	29316	1953 GN	97 03 10.5	11 23.46	+04 55.2	15.6	-0.85	+10.2	0.4/10.2	28610
1994 PZ ₂₇	97 03 07.8	11 13.36	+08 17.0	17.0	-0.77	+ 5.8	1.1/06.7	26422	1988 VV	97 03 10.5	11 23.60	-02 07.1	17.2	-0.94	+ 7.0	2.2/12.5	26396
1987 WS ₃	97 03 07.8	11 13.55	-16 18.6	16.6	-0.89	+ 6.2	6.7/15.3	27932	(7493)	97 03 10.9	11 24.89	-05 43.9	16.8	-0.89	+ 5.3	3.4/14.0	29088

1971 UH ₁	97 03 10.9	11 25.01	+07 54.6	17.8	-0.71	+ 4.6	1.0/09.6	27724
1992 DL ₇	97 03 10.9	11 25.05	+07 07.3	17.7	-0.79	+ 5.4	1.0/09.9	23861
1993 VM ₁	97 03 10.9	11 25.05	+03 37.0	15.2	-0.89	+26.0	13.6/31.0	29318
1981 EL ₄₁	97 03 10.9	11 25.08	+08 09.6	19.2	-0.86	+ 2.3	1.3/09.7	24239
1995 UN ₂	97 03 11.0	11 25.14	+05 28.4	18.1	-0.78	+ 5.7	0.6/10.4	29319
1995 YN ₁	97 03 11.1	11 25.47	+03 09.2	17.6	-0.71	+ 4.9	0.1/11.3	26761
1995 QH	97 03 11.1	11 25.82	-04 11.7	18.0	-1.00	+ 6.0	3.0/13.6	27110
1995 XX	97 03 11.4	11 26.61	+14 03.9	17.9	-0.84	+ 3.0	3.1/08.1	29319
1995 UY ₄₄	97 03 11.4	11 26.92	+15 38.7	18.7	-0.98	+ 3.8	3.8/07.8	29319
1988 VP ₅	97 03 11.6	11 27.69	+11 59.5	17.8	-0.99	+ 5.7	2.8/09.0	26756
1995 UL ₇	97 03 11.7	11 27.90	+05 42.8	18.3	-0.94	+ 5.4	0.7/11.1	26423
(6971)	97 03 11.7	11 27.94	+08 21.3	16.6	-0.82	+ 5.0	1.5/10.2	27095
1991 RW	97 03 11.7	11 28.12	+06 07.9	17.7	-0.87	+14.3	0.9/10.8	29317
1991 RJ ₂₀	97 03 11.8	11 28.14	+06 34.4	19.5	-0.91	+ 6.5	1.0/10.8	26758
1995 WJ ₅	97 03 11.9	11 28.57	-11 29.4	16.1	-0.89	+ 4.9	5.2/16.7	26582
1995 UE	97 03 11.9	11 28.70	+01 46.7	16.0	-1.08	+ 2.7	0.7/12.4	29319
1978 VZ ₆	97 03 12.0	11 29.05	+00 41.9	18.9	-0.74	+ 4.9	0.7/12.9	23968
1991 TV ₁	97 03 12.0	11 29.12	+15 25.8	18.4	-0.95	+ 4.5	3.6/08.3	29135
1978 VX ₈	97 03 12.0	11 29.16	+05 25.6	18.8	-0.76	+ 4.7	0.6/11.4	29315
1995 WV ₂	97 03 12.1	11 29.24	+00 01.9	17.3	-0.96	+ 7.0	1.2/13.2	26184
1981 WE ₁	97 03 12.2	11 29.59	-04 34.3	17.7	-0.78	+ 7.1	2.1/14.9	27931
1991 PQ ₅	97 03 12.2	11 29.67	+08 56.4	18.1	-0.94	+ 8.7	2.1/10.3	25529
1991 YO	97 03 12.2	11 29.68	+23 31.2	17.6	-0.87	+ 6.2	5.8/05.2	26563
1993 BN ₄	97 03 12.2	11 29.74	+07 33.3	18.1	-0.94	+ 6.6	1.4/10.9	29136
1995 UG ₆	97 03 12.2	11 29.84	+04 32.6	18.2	-0.92	+ 5.0	0.4/11.9	29304
2174 T-3	97 03 12.2	11 29.90	+11 34.6	17.3	-1.04	+ 0.7	3.1/10.1	26193
(6869)	97 03 12.3	11 30.00	+20 42.9	15.8	-0.71	+ 8.1	5.1/05.7	26733
1992 UH ₁	97 03 12.3	11 30.16	+04 17.1	17.0	-1.06	+ 4.9	0.4/12.1	29300
(6938)	97 03 12.3	11 30.23	-10 44.9	16.0	-0.80	+ 3.8	4.1/16.8	26898
1981 EN ₄	97 03 12.3	11 30.31	-12 18.6	17.9	-0.76	+ 4.9	4.6/17.7	26418
1993 BF	97 03 12.4	11 30.52	-08 40.1	16.5	-1.06	+ 3.6	4.2/15.9	29317
1987 QT ₁	97 03 12.6	11 31.12	-00 53.4	16.8	-1.08	+ 3.7	1.7/13.7	23536
(7473)	97 03 12.6	11 31.25	+06 54.5	16.9	-0.79	+ 5.7	1.1/11.4	29082
1978 PX ₃	97 03 12.7	11 31.45	-03 17.7	18.6	-1.03	+ 5.0	2.2/14.6	25972
9099 P-L	97 03 12.7	11 31.59	-00 59.0	18.5	-0.68	+ 7.4	1.1/14.2	16036
2372 T-3	97 03 12.7	11 31.64	-01 16.8	19.4	-0.75	+ 4.9	1.1/14.2	29142
1992 EQ ₁₅	97 03 12.8	11 31.84	+02 34.3	17.1	-0.76	+ 5.8	0.1/13.0	29317
1997 DC	97 03 12.9	11 32.18	+04 10.9	16.8	-0.91	+ 7.5	0.5/12.5	29313
3040 P-L	97 03 12.9	11 32.51	-08 41.9	18.1	-0.86	+ 4.3	3.3/16.7	26582
1054 T-3	97 03 12.9	11 32.59	+13 15.9	19.0	-1.67	- 3.7	4.9/11.1	19330
1983 SF	97 03 13.0	11 32.45	-11 16.6	17.1	-0.78	+ 3.5	3.7/17.6	26738
(6699)	97 03 13.1	11 32.85	+10 32.5	17.3	-0.88	+ 5.2	2.3/10.7	26152
1976 DA ₁	97 03 13.1	11 32.90	+09 07.2	16.5	-0.87	+ 8.7	2.7/11.0	29131
4240 T-2	97 03 13.1	11 33.25	+09 01.0	17.8	-0.96	+ 6.1	2.2/11.3	29142
1993 OR ₅	97 03 13.2	11 33.40	+02 40.6	15.9	-0.76	+ 5.2	0.1/13.3	27916
1993 FV ₁₁	97 03 13.5	11 34.59	+08 54.2	16.3	-0.89	+ 6.0	2.2/11.6	29103
1978 SD ₇	97 03 13.5	11 34.63	-01 48.2	17.2	-0.98	+ 7.3	1.6/15.0	27725
1997 CK ₁₃	97 03 13.6	11 34.79	+07 17.9	16.3	-0.76	+ 5.3	1.5/12.1	29310
1990 RA ₃	97 03 13.6	11 34.86	+01 05.3	17.4	-0.83	+ 5.6	0.5/14.2	26419
1987 SD ₄	97 03 13.6	11 34.86	-08 36.4	17.8	-0.98	+ 4.5	3.8/17.1	28315
1981 EG ₃	97 03 13.6	11 35.03	-11 11.9	18.5	-0.77	+ 4.2	4.0/18.2	26915

1995 WU ₄	97 03 13.6	11 35.03	-12 12.2	18.0	-0.89	+ 3.7	4.4/18.4	29319
(6750)	97 03 13.7	11 35.05	-01 23.4	16.4	-0.87	+ 2.6	1.3/14.9	26164
1995 SY ₂	97 03 13.8	11 35.44	+03 56.2	17.4	-1.02	+ 6.6	0.5/13.4	26422
1995 UK ₆	97 03 13.8	11 35.55	+01 59.6	18.2	-0.94	+ 5.5	0.2/14.0	26582
1978 UN ₅	97 03 13.8	11 35.56	+05 19.6	18.7	-0.94	+ 4.6	0.8/13.0	25438
1990 QR ₉	97 03 13.9	11 36.12	+05 18.2	18.6	-0.83	+ 6.3	0.8/13.1	26757
1995 UX ₃	97 03 14.0	11 36.13	+07 39.3	17.7	-1.00	+ 4.1	1.7/12.5	26180
(7177)	97 03 14.0	11 36.21	-05 10.7	17.2	-0.92	+ 2.8	2.3/16.3	27899
(6833)	97 03 14.1	11 36.63	-11 16.8	15.4	-0.76	+ 9.8	5.2/19.3	26554
1989 KE	97 03 14.1	11 36.81	+11 23.4	17.2	-0.78	+11.4	3.1/10.8	29134
1982 UA ₆	97 03 14.2	11 36.87	+01 07.8	19.0	-0.86	+ 4.7	0.4/14.6	26395
1993 OF ₉	97 03 14.2	11 37.26	-09 35.2	17.2	-0.83	+ 3.1	3.7/18.0	29137
1981 EG ₄₄	97 03 14.3	11 37.51	+07 56.5	17.6	-0.86	+ 2.5	1.7/12.7	21968
4359 T-3	97 03 14.4	11 37.61	+13 45.3	18.9	-0.88	+ 4.8	3.6/10.7	27929
1994 PC ₁₅	97 03 14.4	11 37.67	+07 59.3	17.2	-0.77	+12.1	2.0/12.3	25219
(7509)	97 03 14.4	11 37.80	+10 40.8	16.2	-0.94	+ 9.4	3.5/11.6	29288
1981 EL ₂₀	97 03 14.5	11 38.00	-00 31.3	18.4	-0.83	+ 2.8	0.8/15.4	29132
2799 P-L	97 03 14.5	11 38.23	-05 30.4	20.0	-0.66	+ 8.9	1.8/17.5	22495
1981 EM ₄₁	97 03 14.5	11 38.30	+00 11.2	18.4	-0.77	+ 3.7	0.6/15.3	27102
6303 P-L	97 03 14.6	11 38.32	+01 47.9	17.2	-0.78	+ 5.8	0.2/14.8	24764
1995 SD ₄	97 03 14.6	11 38.37	-02 24.5	18.9	-1.00	+ 7.4	1.6/16.1	25966
1995 UJ ₂	97 03 14.6	11 38.42	+04 07.9	18.2	-0.97	+ 5.2	0.6/14.1	29304
1992 ON	97 03 14.6	11 38.46	-14 36.6	18.2	-2.00	-12.4	8.9/16.0	21267
1993 FJ ₃₂	97 03 14.6	11 38.62	-05 35.9	17.4	-0.91	+ 4.5	3.1/17.1	26759
2189 T-2	97 03 14.8	11 39.37	+00 15.8	16.8	-0.88	+ 5.5	0.7/15.5	22597
1989 UB ₈	97 03 15.0	11 40.17	-02 26.1	17.9	-0.72	+ 5.5	1.2/16.6	27119
1981 EJ ₁₂	97 03 15.1	11 40.37	-04 39.1	18.7	-0.78	+ 4.6	2.3/17.4	26917
1981 DT ₃	97 03 15.1	11 40.44	-11 20.7	18.6	-0.77	+ 3.7	3.5/19.6	26914
1988 CX ₄	97 03 15.1	11 40.55	-02 19.7	18.4	-0.78	+ 8.3	1.5/16.8	15889
(6798)	97 03 15.2	11 40.72	+01 00.8	17.4	-0.78	+ 4.9	0.3/15.6	27696
1990 KT	97 03 15.2	11 40.85	-16 09.3	16.4	-0.80	+14.2	6.9/22.5	26189
1995 WZ ₆	97 03 15.3	11 40.94	+19 22.5	17.6	-0.83	+ 3.8	5.0/09.6	29305
2151 T-2	97 03 15.3	11 41.21	+01 48.0	19.0	-0.77	+ 4.3	0.1/15.5	15082
1988 PC ₁	97 03 15.4	11 41.34	-22 36.6	18.7	-0.72	+ 4.9	5.7/24.4	24912
1994 PQ ₁₁	97 03 15.4	11 41.44	-02 19.0	16.6	-0.87	+ 4.3	1.6/16.8	26422
1981 EL ₁₁	97 03 15.4	11 41.50	-07 18.9	20.0	-0.97	+ 6.3	4.2/18.4	26917
1995 UV ₄	97 03 15.4	11 41.70	+23 22.8	15.5	-1.07	+ 3.1	8.5/08.6	29319
1992 GZ ₄	97 03 15.5	11 41.78	+05 43.0	18.0	-0.74	+ 4.7	1.1/14.3	29317
1991 VD ₁	97 03 15.5	11 41.99	+20 43.7	17.3	-1.09	+ 1.2	6.5/10.3	29135
4193 T-1	97 03 15.5	11 42.05	+06 39.1	18.2	-0.94	+ 6.6	1.7/14.1	22432
1980 UL	97 03 15.8	11 42.87	+15 55.5	17.5	-0.86	+11.5	4.3/10.6	23535
1994 PP	97 03 15.8	11 43.05	-37 46.4	18.1	-1.12	- 0.5	9.7/28.2	27937
1981 EA ₁₉	97 03 15.9	11 43.14	+02 47.5	18.4	-0.93	+ 5.0	0.3/15.6	26188
1990 TF ₁₃	97 03 15.9	11 43.33	+19 47.8	15.9	-0.85	+ 4.8	6.4/09.9	26168
1990 TZ ₁	97 03 16.0	11 43.65	-01 53.0	17.0	-0.83	+ 5.2	1.1/17.2	26757
1981 EY ₁₃	97 03 16.0	11 43.67	-05 13.4	19.7	-0.71	+ 6.2	1.9/18.5	20328
1995 YF	97 03 16.1	11 44.04	+05 36.0	17.2	-0.92	+ 6.7	1.2/14.9	26413
1992 UH ₃	97 03 16.1	11 44.25	+05 18.9	17.1	-1.11	+ 3.9	1.5/15.2	26758
1982 UQ ₁₀	97 03 16.2	11 44.55	+04 42.4	17.0	-0.94	+ 4.5	1.1/15.4	27931
1981 EF ₁₆	97 03 16.3	11 44.76	-04 45.9	18.2	-0.83	+ 9.2	2.1/18.6	29093
1989 GL ₄	97 03 16.3	11 44.83	-09 46.6	16.4	-0.76	+10.9	4.3/20.7	23514

1994 PA ₁₄	97 03 16.4	11 45.01	+00 34.5	18.3	-0.78	+ 5.5	0.3/16.8	27448
1996 AG ₇	97 03 16.6	11 45.76	+07 47.1	19.9	-0.72	+ 4.7	1.5/14.5	29139
1982 RR	97 03 16.6	11 45.90	+02 14.8	18.1	-0.79	+ 8.2	0.2/16.4	23970
1995 SJ ₁	97 03 16.6	11 45.97	+00 58.4	18.3	-0.97	+ 4.7	0.2/16.8	26568
1064 T-1	97 03 16.6	11 46.09	+01 11.7	18.2	-1.06	+ 3.5	0.1/16.8	29314
1990 EO	97 03 16.7	11 46.05	-09 03.9	16.2	-0.94	+ 6.8	4.2/20.1	26579
1992 UP ₄	97 03 16.7	11 46.27	+11 10.5	15.7	-0.91	+ 8.6	4.2/13.4	29136
1992 HA ₅	97 03 16.8	11 46.45	+04 39.8	17.0	-0.72	+ 4.7	0.8/15.7	29136
1995 UL ₉	97 03 16.8	11 46.50	+01 47.0	20.5	-0.95	+ 4.3	0.1/16.7	27919
1992 DP ₈	97 03 16.8	11 46.51	-02 43.0	18.4	-0.79	+ 6.8	1.2/18.3	23861
1991 TH ₃	97 03 16.8	11 46.60	-05 43.5	19.9	-0.87	+ 7.6	2.2/19.3	26399
1993 PK ₇	97 03 16.8	11 46.66	+01 45.5	18.5	-0.71	+ 4.6	0.1/16.8	28616
4274 P-L	97 03 16.8	11 46.67	-02 49.5	18.1	-0.95	+ 5.7	1.8/18.2	22701
1991 PE ₃	97 03 16.9	11 46.74	+06 35.8	18.0	-0.93	+ 6.4	1.8/15.2	22083
1994 OB	97 03 16.9	11 46.90	+06 26.9	17.0	-0.95	+ 7.0	1.8/15.3	29301
1978 SS ₅	97 03 16.9	11 47.07	+00 06.2	18.0	-0.84	+ 6.2	0.4/17.4	23535
(6740)	97 03 16.9	11 47.20	+28 17.4	15.9	-1.02	+ 1.7	10.6/08.3	26162
1990 UD ₃	97 03 17.0	11 47.12	-07 38.6	18.5	-0.78	+ 5.9	2.3/20.1	26925
1990 RT ₂	97 03 17.0	11 47.34	+01 29.5	17.2	-0.92	+ 2.8	0.0/17.0	27933
(6687)	97 03 17.0	11 47.54	+02 22.6	16.8	-0.98	+ 6.3	0.4/16.8	26149
1981 EN ₄₃	97 03 17.1	11 47.68	+04 00.1	20.1	-0.83	+ 2.7	0.7/16.3	26923
1993 FL ₄	97 03 17.1	11 47.69	+03 39.6	16.2	-0.88	+ 6.4	0.8/16.4	28887
2053 T-3	97 03 17.2	11 47.93	-04 46.5	19.0	-0.73	+ 4.5	1.6/19.2	22491
1994 CA	97 03 17.2	11 48.22	-20 32.9	16.5	-1.62	- 3.9	9.9/21.6	29318
1989 AE	97 03 17.3	11 48.23	-02 52.0	17.2	-0.96	+ 5.7	1.5/18.6	26189
1981 EY ₂₇	97 03 17.3	11 48.53	+04 44.4	17.7	-1.02	+ 2.6	1.2/16.4	29132
1994 PK ₂₀	97 03 17.4	11 48.56	+01 40.5	17.5	-0.79	+ 5.9	0.1/17.3	29302
1989 SD	97 03 17.4	11 48.73	+03 34.5	17.3	-1.07	+ 6.0	0.9/16.7	22081
1981 DH ₁	97 03 17.4	11 48.99	-09 32.9	18.2	-0.75	+ 4.3	2.7/21.1	26394
1995 UW ₂	97 03 17.5	11 48.96	-01 18.2	18.7	-0.92	+ 6.0	0.8/18.3	29304
1995 WE ₆	97 03 17.5	11 49.24	+02 49.5	18.5	-0.96	+ 5.5	0.6/17.1	26571
1990 SY ₃	97 03 17.5	11 49.25	-16 16.5	17.7	-0.86	+ 4.5	4.9/23.3	26560
1976 YG ₁	97 03 17.6	11 49.32	+12 29.6	16.0	-0.97	+ 4.1	4.4/14.1	28881
1995 VA ₁	97 03 17.6	11 49.34	-00 37.7	18.4	-0.84	+ 5.1	0.6/18.2	26423
(6813)	97 03 17.6	11 49.47	-03 04.2	16.3	-0.76	+ 4.8	1.3/19.0	26549
1977 TQ ₆	97 03 17.6	11 49.64	+19 15.3	18.2	-0.91	+ 3.5	5.2/11.8	21926
1995 WT ₂	97 03 17.6	11 49.71	-03 33.0	17.4	-0.99	+ 6.1	1.6/19.1	26408
1995 VG	97 03 17.7	11 49.80	-02 06.3	16.0	-0.83	+ 5.2	1.1/18.8	26582
1987 SG ₃	97 03 17.7	11 49.83	-05 04.2	18.0	-0.89	+13.4	2.0/20.0	28883
1995 UW ₈	97 03 17.7	11 49.85	+23 39.9	16.5	-0.93	+ 3.0	7.5/10.5	28860
1995 SA ₂	97 03 17.7	11 49.91	-01 38.3	18.7	-0.83	+ 8.0	1.0/18.7	29303
1981 EZ ₂₆	97 03 17.8	11 50.11	-01 39.3	18.1	-0.88	+ 5.7	1.1/18.7	26920
1994 PC ₃₉	97 03 17.8	11 50.41	-03 17.9	15.7	-0.85	+ 5.6	1.7/19.3	29138
1973 SG ₅	97 03 17.9	11 50.72	+04 46.0	18.0	-0.98	+ 6.1	1.3/16.8	27725
1995 VH ₂	97 03 18.0	11 50.84	+03 11.9	18.8	-0.90	+ 6.7	0.7/17.3	26582
2092 T-2	97 03 18.0	11 50.95	+00 18.7	17.7	-0.79	+ 8.0	0.3/18.3	26423
9518 P-L	97 03 18.0	11 51.16	+02 10.0	17.4	-0.97	+ 5.1	0.5/17.7	18132
1981 EJ ₆	97 03 18.1	11 51.15	-10 56.8	18.9	-0.71	+ 8.6	3.4/22.6	26915
1993 RX ₃	97 03 18.1	11 51.46	-21 34.0	15.9	-0.80	+ 2.5	6.2/25.5	26759
(7496)	97 03 18.2	11 51.89	+23 12.5	17.3	-0.81	+ 4.5	5.8/10.7	29089
1991 OO	97 03 18.4	11 52.27	-03 46.9	18.1	-0.95	+ 6.7	1.5/19.9	28845

1990 UT ₅	97 03 18.4	11 52.39	+08 09.8	16.3	-0.82	+ 6.0	2.4/16.0	29317
1973 QO ₁	97 03 18.5	11 52.90	-07 26.1	18.3	-0.87	+ 4.2	2.2/21.1	21925
1981 EC ₃₂	97 03 18.5	11 53.02	-12 17.3	18.5	-0.76	+ 4.8	3.8/23.0	26921
1995 VN	97 03 18.6	11 52.96	+00 39.0	18.7	-0.89	+ 6.5	0.0/18.6	29319
1993 PB ₇	97 03 18.6	11 53.01	+00 50.0	16.3	-0.75	+ 5.0	0.0/18.6	29137
1991 SO	97 03 18.7	11 53.34	+11 50.0	19.2	-0.98	+ 4.4	3.6/15.3	23517
1990 WU ₁	97 03 18.8	11 53.80	-00 24.9	19.1	-0.75	+ 6.8	0.3/19.2	25649
1989 VX	97 03 18.9	11 54.21	+04 30.2	17.4	-0.73	+ 4.8	1.0/17.6	26925
(6762)	97 03 18.9	11 54.38	+01 41.6	17.5	-1.06	+ 5.3	0.4/18.6	26383
1995 WN ₃₃	97 03 18.9	11 54.40	-10 06.2	17.1	-0.77	+10.4	3.9/23.0	26761
1991 NB ₄	97 03 19.2	11 55.18	-06 31.6	16.8	-0.97	+ 6.2	2.7/21.5	26189
1991 VL ₆	97 03 19.2	11 55.45	-09 01.7	17.8	-0.81	+ 9.3	3.0/22.7	28316
1992 ER ₈	97 03 19.2	11 55.56	+05 03.6	16.5	-0.82	+ 4.9	1.4/17.8	27713
1992 WX ₁	97 03 19.3	11 55.66	-05 03.8	17.9	-1.03	+ 6.2	2.1/21.1	26172
1981 EP ₁₆	97 03 19.3	11 55.69	-06 25.1	18.3	-1.01	+ 6.7	2.5/21.5	26755
1992 EA ₈	97 03 19.5	11 56.25	-00 16.0	17.0	-0.79	+ 5.7	0.2/19.7	25650
1985 PE ₁	97 03 19.6	11 56.65	-04 07.3	18.0	-1.07	+ 5.8	1.7/21.0	22076
1995 XL ₁	97 03 19.6	11 56.79	-08 45.0	17.1	-0.94	+ 5.2	3.1/22.5	28303
1994 PB	97 03 19.6	11 56.88	-08 48.5	16.8	-0.75	+ 6.1	2.7/22.9	29318
1981 EP ₄₇	97 03 19.8	11 57.51	-01 36.1	19.2	-0.69	+ 7.2	0.5/20.5	26923
1980 TA ₄	97 03 19.8	11 57.66	+04 17.1	16.2	-1.01	+ 3.3	1.6/18.7	26418
1981 EL ₂₃	97 03 19.8	11 57.68	+02 17.1	18.6	-0.87	+ 7.1	0.7/19.2	26919
1994 PN ₁₃	97 03 19.9	11 57.83	-00 39.3	18.4	-0.73	+ 4.6	0.2/20.2	29302
1988 RS ₆	97 03 20.0	11 58.21	-00 04.9	19.3	-1.00	+ 6.9	0.1/20.1	29316
1979 QR ₂	97 03 20.0	11 58.49	-00 35.5	18.0	-0.80	+ 4.9	0.2/20.3	29296
1991 PO ₁₃	97 03 20.1	11 58.53	-01 35.7	17.7	-1.03	+ 4.7	0.6/20.6	29317
(7191)	97 03 20.1	11 58.78	+13 52.5	15.6	-0.91	+ 3.7	4.6/15.8	27902
1974 QF	97 03 20.2	11 58.86	-03 39.6	18.7	-0.96	+ 6.3	1.2/21.4	26165
1988 US	97 03 20.4	11 59.63	-06 30.0	16.5	-0.97	+ 5.8	2.3/22.5	26579
2072 P-L	97 03 20.5	12 00.02	-01 40.1	18.1	-1.08	+ 2.6	0.7/21.0	29321
1982 UE ₂	97 03 20.5	12 00.12	+04 46.9	18.8	-1.02	+ 5.6	1.6/19.1	26578
1990 QS ₃	97 03 20.6	12 00.63	+03 28.6	18.9	-0.85	+ 7.2	1.1/19.5	26757
1995 UX ₅	97 03 20.8	12 01.01	-10 51.8	16.5	-0.98	+ 4.6	4.2/24.1	26760
(6764)	97 03 20.8	12 01.23	+04 31.8	15.3	-1.10	+ 3.0	2.0/19.5	26383
1995 SZ ₁	97 03 20.8	12 01.25	-04 48.0	18.2	-0.97	+ 6.0	1.7/22.3	29303
1983 XG	97 03 20.9	12 01.37	-03 30.6	17.1	-0.69	+ 5.3	0.8/22.1	27931
1994 PF ₉	97 03 21.0	12 01.72	+01 19.0	17.1	-0.75	+ 5.3	0.5/20.5	27448
1974 XW	97 03 21.0	12 02.05	+08 34.2	16.2	-0.89	+ 4.9	3.3/18.3	22072
4391 T-3	97 03 21.0	12 02.10	+08 09.4	20.0	-0.95	+ 6.4	2.6/18.4	25540
1992 EP ₁₁	97 03 21.1	12 02.41	+02 32.2	18.2	-0.78	+ 5.9	0.9/20.2	25215
1994 PE ₂	97 03 21.1	12 02.47	-03 48.3	19.4	-0.83	+ 4.4	0.9/22.3	26744
1991 CR ₁	97 03 21.2	12 02.51	+11 03.6	17.2	-0.73	+ 5.3	3.2/17.3	20507
1979 MS ₄	97 03 21.2	12 02.72	+03 30.2	18.6	-0.90	+ 7.6	1.5/20.0	19291
1981 EF ₄₅	97 03 21.2	12 02.83	+02 32.9	18.5	-0.78	+ 4.6	1.0/20.4	21968
1988 BY ₂	97 03 21.3	12 03.23	-10 41.4	16.8	-0.97	+ 1.7	3.9/24.3	29316
(7515)	97 03 21.4	12 03.28	-00 19.3	16.1	-0.93	+ 6.1	0.0/21.4	29290
1991 PC ₆	97 03 21.4	12 03.53	+10 08.0	18.4	-0.91	+ 7.4	3.7/17.9	25974
1994 PD ₃₄	97 03 21.4	12 03.53	-01 30.6	18.3	-0.88	+ 6.2	0.4/21.9	24570
1981 EB ₄₃	97 03 21.4	12 03.59	+00 08.5	18.9	-0.91	+ 5.0	0.2/21.3	29297
1991 RF ₂₉	97 03 21.6	12 04.07	-19 00.7	16.7	-0.97	+ 4.5	7.0/27.6	27567
1991 TG ₂	97 03 21.6	12 04.16	+06 45.8	18.0	-0.94	+ 4.6	2.3/19.4	23518

(6722)	97 03 21.6	12 04.28	+03 49.7	16.1	-0.77	+ 4.4	1.4/20.3	26158
1982 TQ ₂	97 03 21.7	12 04.46	-06 25.1	17.6	-1.06	+ 5.0	2.2/23.5	26418
1980 TE ₄	97 03 21.7	12 04.55	-00 17.3	17.7	-0.84	+ 4.9	0.1/21.7	13056
2590 P-L	97 03 21.8	12 04.70	+01 01.9	17.7	-1.00	+ 4.2	0.6/21.4	29141
1993 FE ₅₉	97 03 21.9	12 05.11	-00 35.7	17.9	-0.92	+ 3.7	0.0/21.9	29301
1994 PX	97 03 21.9	12 05.21	+07 48.2	18.0	-0.75	+ 7.9	2.3/18.9	25651
1993 FY ₅₅	97 03 21.9	12 05.22	+07 15.8	17.8	-0.96	+ 5.0	2.8/19.5	23675
1993 FZ ₂₁	97 03 21.9	12 05.37	-00 34.5	17.0	-0.91	+ 4.2	0.0/22.0	29300
1991 RE ₁₅	97 03 22.0	12 05.58	-05 23.7	17.1	-1.09	+ 3.6	1.8/23.4	19680
1995 UX ₂	97 03 22.1	12 05.78	+09 46.8	17.4	-0.90	+ 2.1	3.4/19.0	29304
9523 P-L	97 03 22.1	12 05.94	+01 14.8	16.8	-1.06	+ 1.9	0.9/21.6	26415
4603 P-L	97 03 22.1	12 06.09	+04 04.9	17.5	-0.75	+ 4.7	1.3/20.6	29141
9073 P-L	97 03 22.2	12 06.12	-02 51.9	17.5	-0.74	+ 3.8	0.6/22.9	29142
1989 GD ₅	97 03 22.2	12 06.25	+14 34.3	16.4	-1.02	+ 2.0	5.1/17.7	23537
1991 RC ₂₂	97 03 22.4	12 07.03	+04 18.9	17.2	-1.04	+ 5.4	2.0/20.9	25065
1981 JR ₂	97 03 22.5	12 07.25	+03 18.0	16.9	-1.03	+ 4.4	1.8/21.3	26166
1991 UJ ₄	97 03 22.6	12 07.56	-03 05.7	17.9	-0.91	+ 5.3	0.7/23.3	21976
1994 RC ₁	97 03 22.6	12 07.77	-03 14.2	17.7	-0.68	+ 6.1	0.6/23.5	28318
4127 P-L	97 03 22.6	12 07.82	-01 10.7	19.6	-0.71	+ 4.6	0.1/22.8	29321
3164 T-3	97 03 22.6	12 07.86	-05 39.6	17.5	-0.77	+ 8.9	1.5/24.4	21978
1995 YL ₁	97 03 22.7	12 07.96	-04 35.2	18.5	-0.84	+ 5.6	1.0/23.9	28890
1991 VF ₄	97 03 22.7	12 08.11	+11 12.2	17.4	-0.92	+ 5.6	3.9/18.8	28615
1994 NJ ₁	97 03 22.7	12 08.31	-02 40.2	17.2	-0.95	+ 6.6	0.6/23.4	29318
1988 RR ₅	97 03 22.7	12 08.31	+00 14.7	17.2	-1.04	+ 5.2	0.5/22.4	29316
1955 UN ₁	97 03 22.8	12 08.71	+05 19.8	17.6	-1.02	+ 3.7	2.0/21.0	27453
1991 VE ₂	97 03 22.9	12 08.78	-18 20.2	16.6	-0.83	+ 9.0	5.9/29.4	26420
1986 WZ	97 03 22.9	12 09.02	-05 08.2	17.5	-0.83	+ 5.6	1.3/24.4	20924
3119 T-1	97 03 23.7	12 11.91	-04 12.0	17.2	-0.90	+ 6.2	1.2/24.7	26415
1993 FN	97 03 23.7	12 11.98	+00 05.1	16.6	-1.10	- 0.2	0.6/23.5	26758
(6883)	97 03 23.8	12 11.93	+01 40.2	17.6	-0.73	+ 4.6	0.8/22.8	26736
1981 EA ₁₈	97 03 24.0	12 12.67	+02 25.6	18.4	-0.69	+ 8.4	1.2/22.6	26918
1994 PR ₂₇	97 03 24.0	12 12.76	-00 20.6	16.2	-0.88	+ 3.7	0.4/23.7	29318
1993 FB ₁	97 03 24.0	12 12.89	+13 44.6	15.9	-0.94	+ 3.7	6.0/19.2	26190
1995 YY ₇	97 03 24.0	12 12.97	-06 20.8	16.0	-0.92	+ 7.1	2.0/25.7	26575
4030 T-3	97 03 24.0	12 13.06	+04 02.0	18.5	-0.82	+ 6.4	1.8/22.3	27929
1981 DG ₂	97 03 24.1	12 13.05	-10 20.1	17.9	-0.72	+ 6.2	2.4/27.2	28838
1991 RA ₁₀	97 03 24.1	12 13.17	-11 11.9	17.3	-0.95	+ 6.1	3.7/27.3	20152
1993 OB ₁₃	97 03 24.2	12 13.53	-00 56.2	17.9	-0.77	+ 5.7	0.2/24.1	29318
1981 EF ₃₅	97 03 24.2	12 13.63	+00 25.4	18.6	-0.86	+ 7.0	0.7/23.6	29297
1990 QE	97 03 24.3	12 13.80	-25 01.4	18.3	-0.99	+ 2.5	6.8/31.6	27728
1995 VG ₁₁	97 03 24.3	12 13.87	+14 22.6	17.8	-0.92	+ 2.5	6.5/19.5	26407
1981 EE ₃₉	97 03 24.3	12 14.13	+01 25.0	20.5	-0.71	+ 6.4	0.8/23.4	26922
1993 FA ₃₃	97 03 24.4	12 14.13	+02 57.0	17.3	-0.83	+ 7.4	1.7/22.9	26903
(6820)	97 03 24.5	12 14.80	-00 16.2	16.5	-0.78	+ 5.8	0.4/24.1	26551
1990 RR ₇	97 03 24.6	12 14.87	+02 08.1	16.2	-0.83	+ 8.2	1.3/23.3	28614
(7317)	97 03 24.6	12 14.91	-01 26.9	15.9	-0.86	+ 8.5	0.1/24.6	28566
1982 FX ₂	97 03 24.6	12 14.98	-00 42.6	17.3	-0.80	+ 4.5	0.3/24.3	29316
1995 XH	97 03 24.6	12 15.07	+03 39.4	17.3	-0.83	+ 4.6	1.6/23.0	28618
1980 FW ₂	97 03 24.6	12 15.17	-01 45.8	17.2	-0.75	+ 4.8	0.0/24.7	26578
1994 TR ₁	97 03 24.6	12 15.23	-08 27.8	17.7	-0.84	+ 8.2	2.0/27.0	24763
1990 SH ₁	97 03 24.7	12 15.40	-06 46.8	18.0	-0.77	+ 6.7	1.3/26.5	24118

1995 SQ ₁	97 03 24.7	12 15.58	-37 55.0	18.4	-1.34	- 0.2	12.6/05.6	26176
1991 RT ₅	97 03 24.9	12 16.19	+04 47.2	17.5	-1.01	+ 4.1	2.3/23.0	27120
1995 YN ₄	97 03 25.1	12 16.70	-07 43.0	17.0	-0.84	+ 3.0	1.7/26.9	29319
1981 EL ₅	97 03 25.2	12 17.01	-15 10.2	18.5	-0.75	+ 5.9	3.9/29.9	25078
1991 TE ₁	97 03 25.2	12 17.14	+24 57.1	16.4	-0.93	+ 3.5	9.9/16.1	29099
1981 EN ₂₂	97 03 25.3	12 17.55	-05 19.3	19.2	-0.94	+ 3.8	1.3/26.4	26919
(6700)	97 03 25.4	12 17.90	+08 47.5	16.9	-0.87	+ 5.2	3.8/22.0	26152
5568 P-L	97 03 25.5	12 18.34	+04 08.4	17.6	-0.91	+ 3.6	1.9/23.7	22601
1995 QD ₃	97 03 25.6	12 18.80	-04 43.4	17.2	-0.96	+ 5.7	1.0/26.5	26192
1979 QM ₁	97 03 25.7	12 18.82	-02 15.5	16.7	-0.78	+ 5.3	7.2/06.0	22429
1981 US ₂₂	97 03 25.7	12 18.92	+08 53.9	18.1	-0.98	+ 5.4	3.8/22.3	26756
1955 SF	97 03 25.7	12 19.16	-06 19.2	17.3	-1.04	+ 5.0	1.5/27.0	26417
1990 RV ₃	97 03 25.8	12 19.21	-04 03.1	19.2	-0.89	+ 4.8	0.6/26.4	25426
1995 YO	97 03 25.9	12 19.69	+13 06.5	17.4	-0.72	+ 5.0	4.1/20.6	27731
1979 MO ₄	97 03 25.9	12 19.77	-00 34.1	18.0	-0.79	+ 5.9	0.5/25.4	29315
(6784)	97 03 26.0	12 19.93	+04 54.4	16.4	-0.83	+ 4.5	2.1/23.7	26388
1991 UG ₃	97 03 26.0	12 20.11	-05 53.2	17.9	-0.93	+ 5.3	1.2/27.2	26925
1981 ER ₁₆	97 03 26.0	12 20.13	-12 20.3	18.8	-1.08	+ 0.1	4.2/28.7	26918
1994 PW ₃₁	97 03 26.0	12 20.16	+00 18.9	16.4	-0.82	+10.2	1.0/25.2	29302
1260 T-2	97 03 26.1	12 20.38	-00 49.1	17.4	-0.77	+ 8.9	0.5/25.6	15078
(7320)	97 03 26.2	12 21.06	-06 20.8	16.7	-0.80	+ 4.0	1.3/27.6	28567
(6734)	97 03 26.3	12 21.21	+12 31.1	16.1	-0.81	+ 3.3	4.1/21.6	28818
1984 SU	97 03 26.3	12 21.22	-05 11.9	18.3	-0.94	+ 5.7	0.9/27.3	26578
1995 SA ₁	97 03 26.4	12 21.48	-43 38.1	17.6	-1.06	+ 5.2	16.0/14.3	26568
1994 UD ₁	97 03 26.4	12 21.49	-00 15.6	18.5	-0.68	+ 4.1	0.5/25.7	29318
1992 GH	97 03 26.5	12 21.77	-14 28.1	16.5	-1.66	- 4.0	5.8/28.7	21977
1995 SM ₃	97 03 26.5	12 21.82	-08 17.7	16.9	-1.06	+ 1.8	2.5/28.2	29318
2145 T-2	97 03 26.5	12 21.86	-03 11.8	18.5	-0.77	+ 8.9	0.2/26.8	22274
(7498)	97 03 26.5	12 22.03	-28 42.4	17.1	-0.93	+ 0.5	7.4/03.7	29089
1991 UY ₃	97 03 26.6	12 22.14	-04 50.9	19.0	-0.87	+ 6.5	0.7/27.4	26420
1994 TK ₁₅	97 03 26.7	12 22.89	-00 57.5	18.0	-0.92	+ 4.7	0.5/26.3	25220
1981 ER ₄₇	97 03 26.8	12 23.03	-00 24.7	17.9	-0.89	+ 5.1	0.7/26.2	29132
1972 RX ₁	97 03 26.8	12 23.09	-01 34.3	17.5	-0.88	+ 7.1	0.3/26.6	27118
1981 EP ₃₈	97 03 26.9	12 23.22	-04 24.8	19.5	-0.70	+ 7.2	0.5/27.6	21967
1987 QW ₂	97 03 27.0	12 23.62	-01 20.2	17.5	-0.74	+ 4.5	0.3/26.6	24759
1995 UQ ₄	97 03 27.0	12 23.69	+15 28.7	16.6	-1.04	+ 3.0	5.9/21.6	28303
1973 SQ ₃	97 03 27.1	12 24.03	-03 08.4	17.4	-0.89	+ 8.0	0.2/27.3	23534
(6787)	97 03 27.1	12 24.25	-08 46.6	16.1	-1.00	+ 6.4	2.5/29.1	26388
1996 AG ₂	97 03 27.2	12 24.32	-19 52.9	16.4	-0.81	+ 2.8	4.7/01.8	26928
6242 P-L	97 03 27.2	12 24.33	-08 27.6	16.7	-0.84	+ 8.0	2.3/29.2	26423
6586 P-L	97 03 27.2	12 24.38	+01 51.8	19.3	-0.79	+ 8.7	1.4/25.6	17975
2064 P-L	97 03 27.2	12 24.50	-08 03.9	17.5	-0.76	+ 4.4	1.7/29.0	24409
1996 AY ₁	97 03 27.2	12 24.67	+19 29.4	19.4	-0.70	+ 5.3	5.4/19.2	29306
2086 T-2	97 03 27.3	12 24.97	-05 59.3	15.6	-0.85	+ 1.9	1.3/28.4	22087
1994 PT ₁₄	97 03 27.4	12 25.07	+00 11.8	16.4	-0.80	+ 7.5	1.1/26.4	25219
1994 RJ	97 03 27.4	12 25.11	-05 19.0	19.6	-0.87	+ 6.5	0.9/28.3	26581
1994 RC ₁₁	97 03 27.4	12 25.23	-01 35.5	18.2	-0.73	+ 4.5	0.3/27.1	24409
1992 GC ₅	97 03 27.4	12 25.34	+00 49.2	16.7	-0.77	+ 4.6	1.1/26.3	27713
1981 EP ₂	97 03 27.4	12 25.39	-13 02.7	17.8	-0.71	+ 7.5	2.8/31.2	26915
(6723)	97 03 27.5	12 25.56	+06 58.4	15.8	-0.92	+ 0.5	3.0/24.8	26158
1986 CB	97 03 27.5	12 25.74	+27 19.8	17.7	-0.99	+ 8.1	10.6/16.9	23683

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1993 HF	97 03 27.5	12 25.79	-17 54.6	15.6	-0.80	+	8.0	6.1/02.1	28616
1995 VS	97 03 27.6	12 25.88	-04 46.4	17.3	-0.96	+	6.9	0.7/28.3	28890
1975 YD	97 03 27.7	12 26.32	-12 46.4	16.9	-0.85	+	8.9	3.1/31.3	27118
1991 PJ ₃	97 03 27.7	12 26.40	-05 44.1	17.0	-1.03	+	4.0	1.2/28.6	27728
1978 VV ₆	97 03 27.7	12 26.45	+00 29.7	18.6	-1.02	+	5.8	1.2/26.7	26578
1995 RC	97 03 27.8	12 26.62	-08 49.2	17.2	-1.06	+	4.8	2.2/29.6	29318
1978 PV ₂	97 03 27.8	12 26.77	-10 15.4	17.2	-1.08	+	4.9	2.7/30.0	10630
1993 MG ₁	97 03 27.9	12 26.81	-29 11.5	17.0	-1.04	+	2.7	9.8/04.4	27714
1994 PP ₂₆	97 03 28.0	12 27.18	-01 17.0	16.2	-0.95	+	4.4	0.7/27.5	29138
1992 HD ₅	97 03 28.2	12 28.13	+13 33.8	17.4	-0.83	+	2.0	4.3/23.0	24393
1988 CF ₇	97 03 28.2	12 28.15	-11 27.0	17.4	-0.82	+	6.5	2.4/31.1	24117
1994 VY	97 03 28.4	12 28.70	-16 22.1	18.6	-0.77	+	5.6	4.2/02.0	29318
1995 XT	97 03 28.7	12 29.82	+00 20.8	17.0	-0.76	+	5.1	1.1/27.5	29139
1994 PC ₃₇	97 03 28.7	12 29.84	-07 08.5	17.4	-0.83	+	5.0	1.2/30.0	26422
1995 WP ₈	97 03 28.8	12 30.31	+04 45.0	17.1	-1.06	+	5.4	3.0/26.4	26761
1993 OM ₁₀	97 03 28.9	12 30.57	-02 02.9	19.7	-0.69	+	4.7	0.3/28.5	27730
2183 T-1	97 03 28.9	12 30.65	+00 23.3	18.5	-0.95	+	5.4	1.4/27.8	27926
(6801)	97 03 29.1	12 31.21	+02 20.8	16.7	-1.04	+	4.8	2.1/27.4	26392
1981 EM ₂₀	97 03 29.3	12 32.21	-04 19.4	19.2	-0.70	+	2.3	0.2/29.6	26918
1995 WN ₅	97 03 29.4	12 32.34	+05 34.7	16.8	-0.86	+	4.2	3.0/26.5	29139
4026 P-L	97 03 29.4	12 32.38	-07 51.0	16.4	-1.07	-	0.1	1.7/30.5	24241
1993 MZ	97 03 29.5	12 32.72	-12 37.7	17.9	-0.95	+	2.4	2.8/01.1	29137
1988 VZ	97 03 29.5	12 32.75	+03 49.7	17.0	-0.74	+	3.3	1.8/27.2	24912
1995 VL ₂	97 03 29.5	12 32.90	-09 47.8	17.7	-0.94	+	6.2	2.3/31.6	29319
(6822)	97 03 29.5	12 32.94	-03 01.9	18.6	-0.87	+	4.9	0.2/29.4	26551
1995 QD ₂	97 03 29.6	12 33.14	-10 31.6	18.4	-1.03	+	6.1	2.7/31.8	29318
1991 TY	97 03 29.6	12 33.25	+26 29.9	19.8	-0.91	+	6.9	8.4/18.3	22594
1991 PY ₁₇	97 03 29.6	12 33.36	+01 06.4	18.2	-0.93	+	5.5	1.5/28.2	20025
1988 BW	97 03 29.7	12 33.40	-20 12.9	16.6	-1.01	+	2.2	5.9/03.7	27727
1607 T-2	97 03 29.8	12 33.76	-09 19.0	18.4	-1.02	+	3.7	2.0/31.5	21978
1978 RX ₁	97 03 29.9	12 34.22	+01 35.1	18.4	-0.96	+	7.1	1.8/28.2	22429
1171 T-1	97 03 29.9	12 34.27	-05 54.2	17.5	-0.88	+	8.1	0.7/30.7	23791
1981 TT	97 03 30.0	12 34.56	-05 42.3	17.7	-0.95	+	7.7	0.7/30.7	26578
1983 WF ₁	97 03 30.0	12 34.64	+26 00.8	18.2	-0.74	+	3.5	6.3/19.2	22430
1994 PH ₉	97 03 30.2	12 35.19	-04 17.3	17.9	-0.87	+	6.0	0.2/30.4	24748
1981 EK ₄₇	97 03 30.2	12 35.30	-05 57.8	18.8	-0.63	+	4.3	0.6/31.0	26923
1995 YG	97 03 30.2	12 35.33	-05 39.9	16.0	-0.96	+	7.3	0.7/30.8	29139
3212 T-1	97 03 30.3	12 35.88	-04 19.0	16.4	-1.06	+	4.6	0.2/30.5	27732
(6729)	97 03 30.3	12 35.92	-00 27.0	15.8	-1.06	+	1.0	1.2/29.5	26159
1978 VP ₁	97 03 30.5	12 36.28	-10 50.6	18.3	-0.73	+	5.3	1.9/01.9	19856
(6924)	97 03 30.5	12 36.28	+02 12.0	16.1	-0.77	+	2.2	1.6/28.6	26895
1994 PY ₂₅	97 03 30.5	12 36.30	-01 48.1	17.6	-0.86	+	5.7	0.7/29.8	26759
1995 YJ ₁	97 03 30.5	12 36.38	+00 09.4	17.3	-0.77	+	5.4	1.2/29.2	28890
1984 UR	97 03 30.5	12 36.54	+04 09.0	17.2	-0.99	+	4.4	2.7/28.1	28840
1980 GB	97 03 30.5	12 36.56	+13 26.2	16.2	-0.92	+	5.9	7.7/24.6	25423
1984 CM	97 03 30.6	12 36.79	+01 25.6	16.4	-0.98	+	2.2	1.9/29.1	28883
(6711)	97 03 30.6	12 36.80	-04 44.3	15.5	-0.71	+	13.6	10.5/11.0	26155
1981 EC ₂₂	97 03 30.7	12 37.08	-03 06.4	18.4	-0.97	+	7.3	0.4/30.4	26919
(7287)	97 03 30.7	12 37.29	+12 16.7	17.4	-0.77	+	7.2	5.1/25.0	28286
2098 P-L	97 03 30.7	12 37.37	-04 36.9	17.4	-0.79	+	7.9	7.1/11.0	24585
1986 TT ₁₁	97 03 30.7	12 37.42	-06 27.0	17.4	-1.01	+	2.0	0.8/31.5	24581

1168 T-3	97 03 30.8	12 37.79	-10 05.8	18.6	-0.96	+	2.2	1.9/01.6	18134
3058 T-1	97 03 30.9	12 37.74	-07 38.7	17.7	-1.08	+	4.3	1.3/31.9	19322
1978 VW ₂	97 03 30.9	12 38.00	-01 43.1	17.8	-0.74	+	5.1	0.8/30.2	26755
1994 PJ ₁₀	97 03 30.9	12 38.02	-06 29.6	18.0	-0.83	+	5.2	0.7/31.7	24748
(6719)	97 03 30.9	12 38.12	+00 47.4	16.4	-0.83	+	4.9	1.5/29.4	26157
(6945)	97 03 31.0	12 38.11	-09 17.3	17.6	-1.11	+	3.4	2.1/01.5	27089
1996 BN ₆	97 03 31.0	12 38.50	+01 34.9	18.5	-0.78	+	4.6	1.6/29.2	29113
1991 BH ₂	97 03 31.0	12 38.53	-13 33.0	16.3	-0.86	+	2.3	2.9/02.9	29317
1992 YG ₂	97 03 31.1	12 38.87	-09 53.1	18.2	-1.02	+	5.8	2.1/01.9	26172
1995 UQ ₁	97 03 31.1	12 38.88	-07 11.6	18.2	-0.91	+	7.2	1.0/01.2	26569
1995 UU ₃	97 03 31.2	12 38.86	-01 54.7	17.6	-0.90	+	4.3	0.8/30.5	26423
1986 RA ₅	97 03 31.2	12 38.86	+05 10.8	17.1	-0.86	+	6.4	2.9/28.1	27727
1991 RF ₁₁	97 03 31.3	12 39.23	-09 57.9	18.4	-0.95	+	4.9	1.8/02.1	27120
1991 RH ₄₁	97 03 31.3	12 39.25	-00 08.6	17.2	-0.91	+	6.5	1.5/30.0	26420
1984 UN ₂	97 03 31.3	12 39.41	-04 31.3	17.5	-0.77	+	5.4	0.1/31.4	26924
1995 WB	97 03 31.4	12 39.74	-00 07.9	16.8	-0.86	+	5.6	1.4/30.1	26184
4092 T-3	97 03 31.5	12 39.94	-00 19.0	16.4	-0.72	+	11.4	1.5/30.0	24915
(6714)	97 03 31.5	12 39.98	+17 50.6	16.8	-0.85	+	6.2	6.8/23.6	26156
1996 AD ₂	97 03 31.5	12 39.99	+14 07.8	18.5	-0.77	+	4.2	4.9/25.2	29319
1991 TX	97 03 31.6	12 40.69	+32 39.0	19.3	-1.06	+	2.1	10.5/18.8	26399
1988 BC ₄	97 03 31.7	12 40.77	-03 05.3	17.1	-0.85	+	6.2	0.4/31.3	26419
1994 PN ₂₁	97 03 31.7	12 40.82	-01 50.0	18.0	-0.74	+	5.1	0.7/30.9	26904
2026 T-3	97 03 31.7	12 40.84	-08 18.9	19.9	-0.85	+	5.0	1.1/02.0	25437
1990 UH ₄	97 03 31.7	12 40.96	+17 35.8	18.8	-0.91	+	1.9	6.2/25.1	26397
1995 WS	97 04 01.0	12 41.77	-11 04.1	17.5	-0.97	+	6.2	2.3/03.1	26407
1988 TC ₁	97 04 01.1	12 42.10	-04 23.0	16.9	-1.02	+	4.5	0.1/01.1	27727
1995 WO ₃	97 04 01.2	12 42.69	-06 24.3	18.7	-0.92	+	6.2	0.6/01.8	26570
(6779)	97 04 01.3	12 42.96	-07 55.9	15.7	-0.97	+	5.3	1.5/02.4	26386
1995 YC ₁	97 04 01.4	12 43.48	+21 39.1	17.0	-0.77	+	4.8	7.5/22.7	28595
1983 TE ₁	97 04 01.4	12 43.62	-07 40.1	17.2	-0.86	+	7.3	1.0/02.5	28315
1993 BP ₃	97 04 01.4	12 43.62	-40 29.0	17.0	-1.48	-	2.1	13.6/12.2	28887
1977 ER ₅	97 04 01.5	12 43.59	-05 56.6	17.5	-0.79	+	5.0	0.4/01.9	26557
1981 UA	97 04 01.5	12 43.62	+01 27.8	19.5	-1.24	+	0.3	2.0/31.1	25972
1987 RC ₁	97 04 01.5	12 43.68	-03 52.1	16.3	-0.75	+	4.4	0.2/01.3	28612
1988 CT ₅	97 04 01.6	12 43.97	-23 38.5	16.5	-1.03	+	2.1	6.3/07.0	26924
1978 TO ₈	97 04 01.6	12 44.07	-05 14.1	17.5	-0.72	+	4.7	0.1/01.8	26557
1973 UR ₅	97 04 01.7	12 44.53	-03 15.4	18.5	-0.96	+	5.1	0.5/01.3	27118
1996 BK ₂	97 04 01.7	12 44.61	+06 38.8	16.7	-0.67	+	6.3	2.8/28.7	29139
1988 DG ₂	97 04 01.7	12 44.65	+09 22.2	18.6	-0.82	+	6.8	4.9/27.9	26739
(6892)	97 04 01.8	12 44.93	+00 28.2	19.5	-0.88	+	5.0	1.5/31.2	26888
1995 UP ₄	97 04 01.8	12 45.04	+06 10.6	16.7	-0.96	+	4.1	3.8/29.6	29139
1981 EU ₃	97 04 01.9	12 45.06	-15 12.6	18.1	-0.79	+	9.4	4.2/05.7	26915
5036 T-2	97 04 02.0	12 45.40	-18 21.8	17.2	-0.86	+	6.0	4.6/06.5	26583
1995 YU ₉	97 04 02.0	12 45.80	-19 27.8	18.6	-0.80	+	4.1	4.2/06.8	29139
(6755)	97 04 02.1	12 45.84	-13 26.8	16.3	-0.93	+	5.7	3.1/04.8	26381
2258 T-2	97 04 02.2	12 46.16	-02 50.9	18.7	-0.84	+	5.9	0.7/01.5	24764
1981 DA ₃	97 04 02.2	12 46.17	-16 14.1	19.5	-0.65	+	4.0	3.0/06.1	26914
1997 AS ₇	97 04 02.3	12 46.48	+08 56.8	15.7	-0.90	+	6.8	5.6/28.5	29123
1995 WS ₂	97 04 02.3	12 46.69	+01 45.7	18.0	-1.02	+	4.4	2.3/31.3	26408
1995 WF ₅	97 04 02.4	12 46.97	-00 05.3	17.2	-0.83	+	6.4	1.6/31.8	26410
1994 QV	97 04 02.4	12 46.99	-12 40.4	17.8	-0.93	+	2.8	2.1/04.7	26581

1981 EQ₃₉ 97 04 02.4 12 47.17 -05 39.7 19.2 -0.77 + 5.0 0.2/02.7 26922
 1987 ST₁₇ 97 04 02.6 12 47.89 -12 38.9 17.3 -0.88 + 7.8 2.4/05.2 23868
 4021 T-3 97 04 02.7 12 48.14 -00 15.4 20.1 -0.96 + 5.3 1.7/01.2 26417
 1988 TL₁ 97 04 02.7 12 48.23 -08 14.5 17.2 -0.94 + 7.7 1.1/03.8 27727
 1981 EV₁₂ 97 04 02.7 12 48.26 -14 46.7 18.4 -0.81 + 3.3 2.6/05.8 28838
 1989 CP 97 04 02.7 12 48.33 -06 54.1 16.2 -0.95 + 4.9 0.7/03.3 29134
 1991 RB₅ 97 04 02.7 12 48.40 -09 39.6 18.0 -1.00 + 4.1 1.5/04.1 27120
 1994 WQ₁₂ 97 04 02.8 12 48.36 -04 18.6 17.7 -0.70 + 4.6 0.2/02.5 28889
 1995 VQ₁₂ 97 04 02.8 12 48.37 -07 11.1 18.5 -0.92 + 9.1 0.7/03.5 26570
 (6814) 97 04 02.9 12 49.08 -05 23.2 16.7 -0.79 + 5.8 0.0/03.0 26549
 1994 WO₄ 97 04 03.1 12 49.79 +02 26.4 19.9 -0.71 + 5.5 2.1/31.5 26567
 1988 UP 97 04 03.2 12 49.84 -01 48.8 17.0 -0.72 + 4.5 0.9/02.1 22080
 1981 ES₁₂ 97 04 03.2 12 49.85 -08 54.3 17.5 -0.70 + 8.9 1.1/04.5 26917
 1995 UB₄₅ 97 04 03.2 12 50.16 -10 20.6 17.2 -0.99 + 6.4 1.8/04.8 28860
 1987 RX 97 04 03.3 12 50.14 -03 21.2 17.0 -0.73 + 4.9 0.5/02.6 27554
 1985 SC₃ 97 04 03.3 12 50.26 -10 26.2 18.3 -0.98 + 8.2 1.8/05.0 19018
 1994 PH₃₀ 97 04 03.3 12 50.49 -03 19.1 16.7 -0.75 + 8.8 0.7/02.6 24901
 3541 P-L 97 04 03.4 12 50.53 -17 06.5 17.9 -0.78 + 3.7 2.9/07.1 29313
 1995 WX₃ 97 04 03.4 12 50.86 -01 41.0 15.1 -1.00 + 0.3 1.4/02.5 29319
 1995 UR₃ 97 04 03.4 12 50.92 -10 55.0 17.6 -0.92 + 7.9 2.0/05.3 26192
 1994 SF₁₂ 97 04 03.7 12 51.87 -03 29.1 17.6 -0.83 + 5.1 0.7/03.1 27917
 (6754) 97 04 03.8 12 51.96 -03 54.9 17.4 -0.90 + 6.5 0.6/03.3 26381
 1988 RT₄ 97 04 03.8 12 51.97 -03 51.4 18.8 -0.70 + 4.6 0.4/03.2 27443
 1994 SO₅ 97 04 03.8 12 52.01 -04 04.1 18.1 -0.81 + 5.3 0.5/03.3 26581
 1991 PJ₇ 97 04 03.8 12 52.15 -11 24.0 18.5 -1.02 + 4.5 2.0/05.6 25440
 1991 RN₄ 97 04 03.8 12 52.34 +00 08.2 18.5 -0.89 + 7.1 1.8/02.0 26398
 1980 VG 97 04 03.8 12 52.38 -16 12.4 17.3 -0.85 + 3.8 2.9/07.2 28838
 1995 WL₅ 97 04 03.9 12 52.34 -15 57.2 18.7 -0.95 + 6.6 3.5/07.3 26582
 1990 TX₈ 97 04 03.9 12 52.46 -05 05.1 19.0 -0.84 + 4.5 0.1/03.8 26757
 (6937) 97 04 03.9 12 52.74 -08 13.3 15.7 -0.71 + 8.1 0.8/04.9 26898
 1992 DE₄ 97 04 04.0 12 52.68 -03 32.1 18.9 -0.80 + 5.3 0.6/03.3 27935
 2536 P-L 97 04 04.0 12 53.03 -03 52.2 17.0 -1.07 + 3.5 0.7/03.6 27938
 1995 UO₁ 97 04 04.2 12 53.57 -01 40.1 18.0 -0.95 + 4.9 1.4/03.0 29319
 1995 SP 97 04 04.3 12 54.20 -06 11.6 18.2 -1.07 + 3.1 0.1/04.5 29303
 1981 EL₁₃ 97 04 04.4 12 54.38 -07 32.0 19.1 -0.71 + 6.7 0.5/05.0 26917
 1990 TE₁ 97 04 04.5 12 54.59 -04 01.5 18.2 -0.91 + 2.9 0.5/04.0 21974
 1996 AJ 97 04 04.5 12 54.66 -08 52.7 16.5 -0.95 + 5.5 1.1/05.0 26748
 2304 T-2 97 04 04.5 12 54.67 -03 44.9 19.0 -0.78 + 4.2 0.6/03.9 22701
 1978 SX₇ 97 04 04.5 12 54.78 -10 01.2 18.0 -0.92 + 4.6 1.3/05.8 25953
 1995 XP₂ 97 04 04.6 12 55.16 -07 00.6 18.3 -0.96 + 6.9 0.4/05.0 26761
 1995 WV₃ 97 04 04.6 12 55.27 -38 10.5 15.5 -0.92 + 3.1 11.6/17.0 26747
 1994 RH₉ 97 04 04.7 12 55.46 -12 29.8 18.4 -1.07 + 3.4 2.2/06.6 27327
 (7514) 97 04 04.7 12 55.63 -01 34.6 15.0 -0.93 + 2.9 2.1/03.5 29290
 1992 HX 97 04 04.8 12 55.64 -04 35.6 18.1 -0.77 + 4.5 0.4/04.4 27729
 1991 RV₁₃ 97 04 04.8 12 55.80 -09 34.6 16.9 -0.90 + 7.6 1.2/06.0 27120
 1983 RB₄ 97 04 05.0 12 56.44 -03 12.4 18.1 -0.93 + 5.1 0.9/04.2 26395
 (7158) 97 04 05.1 12 56.71 -08 59.1 17.0 -0.72 + 6.7 0.8/06.1 27895
 1994 PS₃₂ 97 04 05.1 12 56.86 -14 02.7 18.7 -0.92 + 4.8 2.7/07.6 24902
 1994 NO₁ 97 04 05.2 12 57.10 -16 08.5 16.2 -0.90 + 6.4 4.8/08.5 23984
 2614 P-L 97 04 05.3 12 57.43 -05 08.2 20.0 -0.83 + 6.2 0.3/05.0 17973
 1995 YZ₁ 97 04 05.3 12 57.58 -06 57.5 17.9 -0.85 + 3.3 0.2/05.6 29305

1981 EW₃₀ 97 04 05.3 12 57.61 -05 27.6 18.9 -1.02 + 6.8 0.3/05.1 26920
 1991 NQ₆ 97 04 05.3 12 57.76 -14 04.4 17.8 -0.99 + 6.1 2.8/07.8 28298
 1990 QA₂ 97 04 05.5 12 58.22 -08 28.8 17.0 -0.87 + 5.0 0.8/06.2 28885
 1990 QX₅ 97 04 05.5 12 58.51 -19 51.8 18.8 -0.93 + 3.3 3.8/09.7 25649
 1981 DD₂ 97 04 05.6 12 58.86 -18 17.3 18.5 -0.78 + 5.3 3.9/09.7 26914
 (7359) 97 04 05.6 12 58.92 -00 57.4 17.2 -0.72 + 4.7 1.4/03.9 28578
 (6695) 97 04 05.7 12 58.90 +13 42.1 17.5 -0.82 + 6.9 6.0/29.7 26151
 1977 DS₄ 97 04 05.7 12 58.91 -03 35.6 16.8 -0.83 + 4.1 0.9/04.9 26755
 1981 ED₁₂ 97 04 05.7 12 59.12 -08 11.5 16.6 -0.77 +11.3 0.7/06.4 23511
 1993 LF₂ 97 04 05.7 12 59.15 +10 00.5 17.5 -0.83 + 4.5 4.8/31.4 25531
 1978 VB₃ 97 04 05.8 12 59.58 +08 25.4 17.2 -0.81 + 2.5 4.1/01.3 27302
 2071 T-2 97 04 05.8 12 59.62 -07 48.2 17.9 -0.87 + 6.2 0.4/06.3 24764
 1995 VJ₂ 97 04 05.9 12 59.75 +15 41.9 17.4 -1.01 + 1.9 7.5/30.4 26906
 1993 FD₄₄ 97 04 06.0 13 00.27 -08 11.9 17.6 -1.03 + 4.6 0.7/06.6 27714
 1988 RK₉ 97 04 06.1 13 00.61 +09 55.7 16.7 -0.72 + 6.8 4.6/31.2 29133
 1985 QP 97 04 06.1 13 00.78 -08 18.9 18.1 -1.05 + 5.2 0.7/06.7 19295
 1994 NC 97 04 06.4 13 01.61 +02 37.4 17.4 -0.78 + 7.6 2.7/03.3 27937
 1995 XN₁ 97 04 06.4 13 01.61 +16 20.8 15.8 -0.98 + 1.7 8.8/30.3 29139
 1995 VU₁ 97 04 06.8 13 03.03 +14 34.5 15.9 -0.94 + 1.2 8.0/31.6 26407
 1977 QD₂ 97 04 06.9 13 03.57 -11 20.6 17.5 -1.03 + 4.3 1.6/08.3 27118
 1975 NC 97 04 07.0 13 03.96 -16 30.8 16.3 -0.85 + 5.4 3.5/10.0 27725
 2821 P-L 97 04 07.0 13 04.01 -02 40.3 16.2 -0.76 + 4.9 1.3/05.7 27925
 1995 YP 97 04 07.1 13 04.06 -01 31.1 16.9 -0.79 + 5.1 1.7/05.4 28890
 4854 T-1 97 04 07.1 13 04.21 -02 15.2 17.7 -0.86 + 2.2 1.4/05.8 28620
 1992 EM₈ 97 04 07.3 13 04.98 +04 18.4 18.4 -0.81 + 5.0 3.4/03.7 29135
 1991 VM₅ 97 04 07.4 13 05.26 +02 00.7 17.1 -1.00 + 4.9 3.1/04.7 20823
 1984 SA 97 04 07.4 13 05.35 -15 28.2 17.1 -0.99 + 6.8 3.1/10.0 19294
 1991 FF 97 04 07.5 13 05.66 -27 26.3 17.5 -0.95 + 0.4 6.2/13.4 28614
 1982 UD₇ 97 04 07.7 13 06.23 -08 13.6 17.1 -0.84 + 7.2 0.4/08.1 23990
 4255 T-1 97 04 07.7 13 06.28 -03 14.3 17.8 -0.82 + 7.3 1.7/06.4 19327
 1991 UD₃ 97 04 07.7 13 06.61 -09 23.1 17.6 -0.87 + 7.8 0.8/08.6 26190
 (6863) 97 04 07.8 13 06.71 -13 10.3 16.6 -0.96 + 6.9 2.3/09.8 26732
 1991 RW₂₁ 97 04 07.8 13 06.93 -17 33.6 18.5 -1.03 + 3.6 3.4/10.9 27444
 1988 RL₉ 97 04 07.8 13 06.94 -14 28.3 16.6 -1.06 + 4.7 2.8/10.0 29133
 1991 RR₁₂ 97 04 08.0 13 07.60 -06 36.4 18.7 -0.97 + 4.9 0.2/07.9 26741
 1991 VW₄ 97 04 08.1 13 07.95 +05 50.1 17.6 -0.95 + 5.4 4.6/04.0 26926
 1994 TE₃ 97 04 08.1 13 08.03 -06 45.4 17.4 -0.76 + 5.1 0.1/08.0 25084
 3159 T-2 97 04 08.2 13 08.22 +01 23.1 18.1 -0.79 + 8.1 2.7/05.2 17653
 1995 UY₃ 97 04 08.2 13 08.39 -08 22.8 17.4 -0.92 + 6.3 0.4/08.6 26928
 1994 PQ₁ 97 04 08.3 13 08.47 +32 00.4 20.4 -0.98 + 1.9 9.8/25.0 25083
 1985 JM 97 04 08.3 13 08.58 -11 35.8 17.0 -0.86 + 8.5 1.3/09.8 28883
 1989 WU₂ 97 04 08.4 13 08.79 -03 10.1 18.0 -0.74 + 4.3 1.1/07.1 28613
 1981 EJ₂₁ 97 04 08.4 13 09.01 +00 29.6 18.7 -0.60 + 5.9 2.2/05.7 26919
 1995 UO₂ 97 04 08.5 13 09.27 -06 28.0 17.7 -1.08 + 3.1 0.3/08.3 28618
 1995 XW 97 04 08.5 13 09.36 +10 44.8 17.6 -1.02 + 0.8 6.5/03.5 29305
 1977 TO₆ 97 04 08.5 13 09.52 +03 55.0 18.1 -0.99 + 5.1 4.0/05.1 26187
 1995 TB 97 04 08.6 13 09.64 -09 53.7 19.5 -1.04 + 4.2 0.9/09.3 26405
 1988 RW₁₀ 97 04 08.8 13 10.53 -07 57.6 19.3 -0.74 + 4.4 0.1/09.0 22825
 1997 DE 97 04 08.9 13 10.69 +05 29.5 16.5 -1.00 + 4.7 5.1/05.1 29313
 1995 XJ 97 04 08.9 13 10.74 +07 55.1 18.8 -0.85 + 3.4 4.7/04.2 26907
 1981 EJ₈ 97 04 08.9 13 10.90 -11 11.4 19.3 -0.78 + 5.4 1.2/10.2 26916

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M.P.C. 29333

1982 SH ₁	97 04 08.9	13 11.03	+01 08.4	18.6	-0.96	+19.7	3.6/05.6	8393
7590 P-L	97 04 09.0	13 10.98	-04 22.8	21.0	-0.88	+ 3.8	0.9/08.1	22701
1987 RB ₁	97 04 09.0	13 11.07	-07 20.2	17.8	-0.74	+ 4.8	0.1/09.0	27554
2124 T-2	97 04 09.1	13 11.43	-10 19.0	18.9	-0.95	+ 5.7	0.9/10.0	19690
1953 TA ₁	97 04 09.1	13 11.73	-09 49.5	18.2	-0.94	+ 7.3	0.7/09.9	22598
1978 RH ₉	97 04 09.2	13 11.93	-01 32.3	18.0	-0.97	+ 7.8	2.5/07.3	22270
1990 SZ ₃	97 04 09.2	13 12.15	-25 56.2	17.2	-0.93	+ 4.0	5.4/15.1	26560
(6840)	97 04 09.3	13 12.12	-02 06.0	17.5	-0.91	+ 5.9	1.9/07.6	26556
1981 SE ₇	97 04 09.3	13 12.18	+00 38.6	16.4	-0.88	+ 4.0	2.7/06.8	20922
4874 P-L	97 04 09.3	13 12.44	-04 23.8	18.9	-0.87	+ 4.4	1.1/08.4	22086
1994 PB ₁₄	97 04 09.4	13 12.50	-03 26.6	16.9	-0.80	+ 6.9	1.5/08.0	24748
1995 YN	97 04 09.4	13 12.66	+17 34.3	16.8	-0.78	+ 3.3	7.2/32.0	26907
1988 RD ₁₁	97 04 09.4	13 12.74	-09 40.1	15.8	-0.81	+ 3.5	0.7/10.1	26419
1990 UJ ₂	97 04 09.4	13 12.80	-00 52.8	17.9	-0.82	+ 5.6	2.0/07.3	25649
1978 VM ₇	97 04 09.4	13 12.81	-14 37.4	19.4	-0.91	+ 6.6	2.2/11.7	28610
(6815)	97 04 09.4	13 12.85	-09 44.7	18.0	-0.91	+ 5.8	0.6/10.1	26550
1981 KJ	97 04 09.5	13 13.20	-00 03.1	16.9	-0.88	+ 1.3	2.3/07.4	22697
1979 MR ₂	97 04 09.6	13 13.35	-08 19.3	17.6	-0.80	+ 5.2	0.2/09.8	26578
(6806)	97 04 09.7	13 13.70	-13 06.8	16.7	-0.97	+ 4.2	1.9/11.3	26393
1988 RB ₁₁	97 04 09.8	13 13.94	-06 59.3	19.1	-0.71	+ 4.5	0.2/09.5	26419
1996 AY ₃	97 04 09.8	13 14.04	+13 23.2	17.3	-0.68	+ 5.0	4.9/02.4	29306
1986 TV ₆	97 04 09.8	13 14.25	-18 29.8	17.0	-0.98	+ 3.5	3.7/12.9	27554
1981 EZ ₅	97 04 09.8	13 14.26	-16 42.0	19.4	-0.64	+ 5.0	2.4/12.9	26915
1993 NZ ₁	97 04 10.0	13 14.73	-21 54.7	17.8	-0.79	+ 4.2	3.8/14.5	26564
(6725)	97 04 10.1	13 15.03	-04 11.2	16.1	-0.75	+ 4.6	1.2/08.9	28818
1995 WX ₄	97 04 10.1	13 15.13	-10 45.8	18.2	-0.91	+ 6.6	0.9/11.0	26582
1990 SF ₅	97 04 10.2	13 15.40	-02 35.9	18.8	-0.84	+ 6.3	1.8/08.5	24761
1993 BL ₁₂	97 04 10.2	13 15.78	-01 46.1	18.0	-0.98	+ 4.6	2.4/08.5	26421
1994 UA ₂	97 04 10.3	13 15.94	-12 57.2	17.2	-0.73	+ 6.6	1.4/12.0	24764
1994 WG	97 04 10.3	13 16.19	-22 48.6	17.2	-0.70	+ 5.6	3.8/15.5	28318
1985 TB ₃	97 04 10.4	13 16.39	-05 18.7	17.4	-0.97	+ 7.5	1.0/09.6	17436
3013 T-2	97 04 10.4	13 16.46	-03 31.3	17.6	-0.83	+ 6.3	1.5/09.0	17836
1994 PO ₇	97 04 10.5	13 16.52	-06 55.0	15.8	-0.88	+ 5.7	0.5/10.1	29138
1990 TM ₇	97 04 10.5	13 16.95	-06 16.5	16.4	-0.97	+ 3.5	0.6/10.1	25080
1988 RG ₉	97 04 10.6	13 17.16	-02 45.0	18.1	-0.98	+ 6.2	2.0/09.0	29316
1993 BN ₃	97 04 10.6	13 17.21	-05 21.9	17.2	-1.07	+ 3.0	1.1/09.9	21947
1988 VN ₇	97 04 10.7	13 17.34	+01 36.3	18.6	-1.01	+ 3.8	3.4/07.9	27454
1991 RG ₇	97 04 10.7	13 17.48	-13 36.8	18.3	-0.92	+ 6.0	1.8/12.5	28316
(6757)	97 04 10.8	13 17.72	-02 54.1	17.4	-0.78	+ 4.8	1.6/09.1	26381
1995 CV	97 04 11.0	13 18.34	-01 29.0	19.4	-0.47	+ 3.4	1.2/08.7	27315
1996 AR ₂	97 04 11.0	13 18.46	-25 53.5	18.0	-0.93	+ 3.4	5.0/16.4	26749
1985 CV ₁	97 04 11.0	13 18.75	-07 03.4	16.8	-0.76	+ 3.9	0.4/10.7	24406
1982 UZ ₂	97 04 11.2	13 19.23	-01 31.3	16.9	-0.66	+10.2	1.9/08.7	27931
1971 UT ₁	97 04 11.2	13 19.32	-06 41.5	18.1	-0.71	+ 4.7	0.4/10.7	22696
2066 T-1	97 04 11.2	13 19.37	-03 38.9	17.5	-1.00	+ 6.6	1.8/09.8	28319
1981 EV ₂₁	97 04 11.3	13 19.57	-16 15.2	19.0	-0.87	+ 2.4	2.3/13.6	26919
1993 FB ₁₀	97 04 11.4	13 19.88	-02 44.7	16.9	-0.90	+ 5.6	1.8/09.7	26903
1994 WH ₃	97 04 11.4	13 19.90	-05 31.0	17.1	-0.71	+ 4.3	0.7/10.5	27731
(6780)	97 04 11.4	13 20.09	-16 41.5	16.9	-1.08	+ 4.2	3.4/13.8	26387
1981 DN ₂	97 04 11.4	13 20.09	-17 51.4	18.8	-0.75	+ 6.0	2.6/14.6	29093
1991 BA ₃	97 04 11.6	13 20.96	+06 20.5	16.8	-0.73	+ 6.0	4.5/06.6	29317

1981 ET ₃₅	97 04 11.7	13 21.12	-15 32.3	19.4	-0.74	+ 7.1	2.2/14.1	26921
1994 PA ₃₉	97 04 11.7	13 21.32	-09 55.3	17.2	-0.90	+ 7.1	0.6/12.2	29138
1978 UY ₄	97 04 11.8	13 21.36	-10 23.6	18.9	-0.97	+ 6.8	0.6/12.4	26418
1981 EC ₇	97 04 11.8	13 21.43	-20 00.6	18.7	-0.68	+ 3.2	2.9/15.5	26916
1996 BG ₂	97 04 11.8	13 21.46	-40 02.5	17.0	-1.21	- 0.3	10.5/21.0	26752
1987 SX ₁₇	97 04 11.8	13 21.53	-12 21.3	16.9	-0.97	+ 6.6	1.3/13.0	28613
1991 TN	97 04 11.8	13 21.55	+02 38.8	16.3	-0.92	+ 4.5	5.0/08.4	26399
1991 VE ₃	97 04 11.8	13 21.57	-01 24.7	18.4	-0.88	+ 5.3	2.2/09.7	25959
(6805)	97 04 11.9	13 21.89	-05 52.4	17.1	-0.75	+ 4.7	0.8/11.1	26392
2239 T-3	97 04 12.0	13 22.31	-16 38.0	17.1	-0.91	+ 3.9	3.0/14.4	24405
(6908)	97 04 12.1	13 22.68	-01 21.6	16.8	-0.84	+ 4.0	2.3/09.9	26891
1994 UZ ₁₂	97 04 12.2	13 22.91	-00 22.6	18.2	-0.70	+ 4.5	2.1/09.5	27731
1996 AB	97 04 12.3	13 23.21	-12 36.3	17.2	-0.75	+ 4.3	1.0/13.5	26761
1993 FK ₂₅	97 04 12.3	13 23.52	-10 07.2	17.7	-0.90	+ 6.0	0.4/12.8	26421
1990 DM ₃	97 04 12.3	13 23.54	-12 48.1	16.7	-1.08	+ 3.2	1.8/13.5	21573
1985 RD ₃	97 04 12.4	13 23.65	-04 23.8	18.0	-1.01	+ 6.1	1.7/11.1	26578
1986 TW ₉	97 04 12.5	13 24.03	-17 59.0	17.9	-0.90	+ 4.7	2.7/15.3	26579
1984 UD ₃	97 04 12.6	13 24.45	-09 49.2	17.1	-0.91	+ 7.9	0.3/13.0	22492
1981 ER ₃₅	97 04 12.8	13 25.06	-21 16.9	18.8	-0.80	+ 4.3	3.4/16.7	26578
1995 WQ ₁	97 04 12.8	13 25.10	-14 10.0	18.8	-0.88	+ 5.5	1.6/14.5	26906
1988 AX ₁	97 04 12.9	13 25.44	-31 09.3	17.2	-1.03	+ 3.6	7.8/20.0	21971
1987 UV ₁	97 04 12.9	13 25.46	-11 31.8	17.4	-0.95	+ 5.1	0.9/13.7	28883
1995 WX ₄₂	97 04 12.9	13 25.75	+14 53.6	17.8	-0.91	+ 3.2	7.8/05.6	26572
5200 T-2	97 04 13.0	13 25.81	-21 30.2	17.1	-0.83	+ 4.0	4.0/16.9	21978
1977 RL ₇	97 04 13.1	13 26.10	-05 57.9	18.0	-0.78	+ 7.7	0.9/12.1	24116
1993 FT ₈	97 04 13.1	13 26.19	-03 22.0	17.1	-0.92	+ 5.3	1.9/11.4	28616
1995 WY ₄₁	97 04 13.2	13 26.50	-15 04.7	18.2	-0.97	+ 5.9	2.0/15.0	26582
1994 PK ₁₄	97 04 13.4	13 27.18	-19 18.2	19.9	-0.89	+ 4.0	3.0/16.4	27448
6053 P-L	97 04 13.4	13 27.32	-09 57.1	18.0	-0.87	+ 6.6	0.3/13.7	26583
1991 TH ₂	97 04 13.5	13 27.67	-06 14.3	17.9	-0.92	+ 6.0	0.9/12.6	28886
1992 WO ₃	97 04 13.5	13 27.84	-20 06.7	16.4	-0.93	+15.7	4.1/17.8	27326
1990 SC ₈	97 04 13.5	13 27.93	+00 56.9	19.5	-0.84	+ 6.5	3.2/10.3	24389
1995 WN ₈	97 04 13.5	13 27.94	+09 38.2	15.6	-0.79	+ 9.6	7.9/06.5	26571
1995 YB ₃	97 04 13.6	13 28.06	-05 18.0	17.1	-0.76	+ 4.3	1.1/12.4	26574
1101 T-2	97 04 13.6	13 28.11	-10 45.8	17.2	-0.79	+ 4.3	0.5/14.1	23987
1988 VX ₂	97 04 13.6	13 28.13	-16 05.0	16.0	-0.71	+ 7.5	1.9/16.0	25528
(6726)	97 04 13.6	13 28.18	-16 42.9	16.8	-0.99	+ 6.1	2.8/15.9	26159
1980 FH ₅	97 04 13.7	13 28.29	-21 25.6	16.9	-1.06	+ 1.7	4.1/17.0	28882
1974 QM ₂	97 04 13.7	13 28.71	-17 44.5	16.6	-1.10	+ 2.3	3.9/16.0	28881
1996 AU ₁	97 04 13.8	13 28.92	-05 55.3	16.8	-0.75	+ 4.6	1.1/12.8	29319
1989 TT ₁₁	97 04 13.8	13 29.00	-09 15.8	16.6	-0.79	+ 5.1	0.0/13.9	27933
1063 T-2	97 04 13.9	13 29.16	-09 00.5	17.3	-0.95	+ 6.4	0.1/13.8	22827
1983 XE	97 04 13.9	13 29.17	-14 55.9	17.7	-0.89	+ 6.9	1.8/15.7	27726
(6890)	97 04 14.2	13 30.49	-09 14.7	16.4	-0.74	+ 4.5	0.1/14.2	26887
3276 T-2	97 04 14.4	13 31.07	-00 15.7	18.5	-0.85	+ 5.4	3.3/11.6	22088
1934 JP	97 04 14.4	13 31.23	-06 16.4	16.9	-0.89	+ 5.6	1.6/13.5	25437
1995 WG ₅	97 04 14.5	13 31.57	-08 30.3	16.9	-0.89	+ 7.9	0.4/14.2	26410
4177 T-1	97 04 14.5	13 31.64	-09 24.8	17.3	-1.08	+ 4.1	0.1/14.5	28892
1993 FU ₂₈	97 04 14.6	13 31.73	-15 27.4	16.8	-0.97	+ 4.8	2.1/16.3	28317
1981 EB ₃₁	97 04 14.6	13 31.81	-03 01.7	18.3	-0.73	+ 6.2	2.2/12.5	15704
2288 T-3	97 04 14.6	13 32.03	-14 29.1	18.7	-1.03	+ 4.2	1.7/16.0	19331

1991 UQ (6682)	97 04 14.7 97 04 14.8	13 32.09 13 32.34	-10 12.0 -14 05.0	16.2 18.1	-1.04 + 4.2 -1.01 + 4.1	10.1/26.0 1.5/16.0	24583 26148
1988 PL	97 04 14.8	13 32.57	-09 45.5	17.1	-1.01 + 6.8	9.9/26.0	26579
1990 WE ₂	97 04 14.9	13 33.11	-08 41.6	15.9	-0.81 + 11.1	0.4/14.6	22404
1978 SE ₅	97 04 15.0	13 33.21	-09 32.4	16.8	-0.83 + 8.3	0.1/15.0	24238
1989 CJ ₈ (6724)	97 04 15.0 97 04 15.1	13 33.25 13 33.77	+05 52.5 +05 51.9	15.4 15.9	-0.74 + 7.9 -0.78 + 3.6	7.1/09.4 5.1/10.4	21938 26158
1982 ST ₇	97 04 15.2	13 33.89	-14 47.9	18.9	-0.89 + 4.5	1.4/16.7	16231
1993 FL ₃₃	97 04 15.4	13 34.61	-06 48.1	17.8	-0.94 + 4.2	1.0/14.5	23526
1981 RF ₂	97 04 15.4	13 34.86	-26 13.7	16.0	-0.76 + 6.2	4.9/21.0	28311
1980 RB ₈ (6905)	97 04 15.4 97 04 15.5	13 34.98 13 34.98	-15 43.7 -00 35.3	16.5 15.7	-0.91 + 7.5 -0.95 + 2.2	2.4/17.4 2.9/13.0	28610 26891
1982 UD ₄	97 04 15.5	13 35.18	-11 03.5	19.1	-0.90 + 4.7	0.3/15.9	20812
1995 TQ ₆	97 04 15.5	13 35.25	-10 39.5	16.5	-1.05 + 3.8	0.3/15.8	26569
1981 EJ ₂₉	97 04 15.5	13 35.34	-07 56.6	18.0	-0.72 + 7.2	0.6/14.9	26920
1981 EO ₄₃	97 04 15.6	13 35.33	-13 44.5	19.7	-0.82 + 3.4	1.3/16.7	26923
1992 BJ ₁	97 04 15.6	13 35.41	-04 44.3	18.0	-0.89 + 4.3	1.7/14.1	26758
1991 EJ ₄	97 04 15.6	13 35.48	-16 21.8	15.7	-0.81 + 3.9	2.0/17.6	26740
1971 UQ (7104)	97 04 15.6 97 04 15.7	13 35.50 13 35.73	-06 49.4 -18 17.6	18.3 16.5	-1.02 + 4.8 -1.00 + 3.2	1.1/14.8 3.2/18.0	22696 27697
1990 FH	97 04 15.8	13 36.12	+20 10.5	15.3	-1.60 - 15.6	16.4/13.5	26579
1990 DW ₂ (6810)	97 04 15.8 97 04 15.9	13 36.19 13 36.60	-12 17.0 -26 27.6	16.5 16.4	-0.73 + 3.8 -0.82 + 3.8	0.6/16.5 4.9/21.1	25649 26548
1984 CE (6698)	97 04 16.0	13 36.95	+10 43.8	17.7	-0.87 + 4.0	6.1/09.6	26738
(6838)	97 04 16.0	13 36.99	-12 00.3	17.2	-0.95 + 4.7	0.6/16.6	26152
	97 04 16.0	13 37.08	-25 36.2	15.3	-0.86 + 9.2	5.6/21.6	26555
1994 RB ₁	97 04 16.1	13 37.28	-13 36.5	17.1	-0.80 + 7.6	1.2/17.3	29318
1992 DS ₆	97 04 16.1	13 37.33	-17 01.9	15.2	-1.02 + 1.7	2.6/17.9	29099
1991 ST	97 04 16.1	13 37.40	+00 56.3	16.6	-1.09 + 4.5	4.7/13.0	26170
1985 PT	97 04 16.1	13 37.59	+08 08.3	17.4	-0.81 + 6.2	5.5/10.0	23779
1988 TG ₅ (6874)	97 04 16.2 97 04 16.2	13 37.59 13 37.65	-10 56.6 +02 13.9	17.2 16.8	-0.98 + 6.8 -1.11 + 4.4	0.3/16.5 5.4/12.7	25729 26734
1986 GC	97 04 16.2	13 37.70	-02 52.1	16.4	-1.02 + 1.9	3.2/14.3	27726
1996 BJ ₄	97 04 16.5	13 38.79	+10 46.5	17.5	-0.87 + 4.0	6.3/09.9	27450
1981 EN ₇	97 04 16.5	13 38.89	-22 54.8	18.6	-0.86 + 3.0	3.7/20.2	26916
1994 TD	97 04 16.5	13 38.89	-07 20.5	17.7	-0.74 + 5.4	0.9/15.6	26759
1995 WQ ₇	97 04 16.5	13 39.01	-10 55.0	17.7	-0.95 + 5.2	0.2/16.8	26411
1990 WS ₄	97 04 16.6	13 39.12	-06 38.6	17.5	-0.81 + 5.3	1.1/15.5	27934
2203 T-3	97 04 16.6	13 39.12	-12 56.5	17.7	-0.70 + 7.6	0.8/17.5	22702
1981 EX ₄₀	97 04 16.6	13 39.15	-20 56.8	19.4	-0.88 + 2.2	3.2/19.6	26922
1993 JL	97 04 16.6	13 39.41	+13 04.9	15.2	-0.99 + 0.4	9.4/10.0	26759
1990 XZ	97 04 16.7	13 39.39	+15 08.4	16.1	-1.56 - 5.2	11.7/12.2	18635
1981 ET ₆	97 04 16.9	13 40.44	-24 03.2	18.4	-0.72 + 2.6	3.8/21.1	26916
1992 AH ₁	97 04 17.1	13 41.18	-24 13.0	16.6	-1.03 + 2.1	5.4/21.0	26580
1983 AC ₁	97 04 17.2	13 41.41	+40 27.5	16.6	-0.93 + 1.9	21.0/31.0	22075
1983 RT ₁ (6792)	97 04 17.3 97 04 17.3	13 41.76 13 41.96	-15 54.4 -05 15.1	17.7 16.9	-1.05 + 3.0 -0.95 + 5.0	2.1/18.7 1.7/15.8	24117 26389
1981 EX ₃₃	97 04 17.3	13 42.02	-21 10.3	19.5	-0.83 + 3.8	3.1/20.6	26921
1981 EO ₄	97 04 17.5	13 42.51	-25 11.1	19.2	-0.83 + 4.1	4.2/22.0	22696
1992 CD ₃	97 04 17.7	13 43.27	+02 43.9	17.7	-0.83 + 7.0	4.5/13.3	23978
3107 P-L	97 04 17.7	13 43.32	-13 06.3	18.0	-0.82 + 8.2	0.7/18.5	26761

1980 VZ ₂	97 04 17.7	13 43.39	-15 19.8	19.4	-0.95	+	5.8	1.5/19.1	26737
1981 EK ₃₅	97 04 17.8	13 43.49	-11 55.5	18.4	-0.78	+	4.4	0.3/18.2	27454
1991 YV	97 04 17.8	13 43.50	+13 20.7	15.8	-0.88	+	3.2	8.5/10.5	27712
1994 RL ₁	97 04 17.8	13 43.67	-04 03.5	17.9	-0.83	+	8.8	2.1/15.6	28617
1992 EE ₁₄	97 04 17.9	13 43.97	-09 58.2	17.8	-0.81	+	6.0	0.3/17.7	25650
1993 FK ₂₁	97 04 17.9	13 44.28	-09 59.6	17.0	-0.92	+	5.9	0.3/17.8	26758
3039 T-3	97 04 18.0	13 44.50	-06 01.3	18.4	-0.84	+	5.3	1.5/16.6	26417
1989 AJ ₆	97 04 18.0	13 44.53	-21 31.0	16.5	-1.00	+	3.6	4.6/21.1	24561
3174 T-1	97 04 18.1	13 44.60	-19 23.1	17.0	-1.10	+	1.4	3.4/20.0	22087
1996 BY ₁	97 04 18.1	13 44.75	-20 57.7	17.6	-0.90	+	3.0	3.0/21.0	29113
1990 QA ₈	97 04 18.1	13 44.76	-06 29.9	19.7	-0.87	+	5.5	1.3/16.8	21974
1993 LS ₁	97 04 18.2	13 44.98	-32 42.9	17.4	-1.04	+	3.4	7.7/24.5	24109
1986 TG ₁	97 04 18.3	13 45.66	-24 24.7	17.5	-1.09	+	0.8	4.6/21.7	24239
1981 EF ₄₈	97 04 18.4	13 45.77	-11 34.7	18.4	-0.62	+	3.8	0.2/18.6	21968
1973 AW ₃	97 04 18.5	13 46.47	-02 38.1	15.6	-0.88	+	2.5	3.0/16.3	28610
1982 UA ₇	97 04 18.7	13 47.02	+04 10.3	17.0	-0.93	+	2.3	4.7/14.6	22271
1993 FO ₁	97 04 18.7	13 47.25	-05 59.8	16.0	-1.01	+	3.0	1.8/17.5	22240
1990 QT ₄	97 04 18.8	13 47.57	-23 59.6	16.9	-1.09	+	0.8	4.4/22.1	27933
1993 FE ₁₂	97 04 18.9	13 47.62	-04 58.0	16.8	-0.94	+	4.7	2.2/17.2	26564
1987 QS	97 04 18.9	13 47.66	-22 11.9	17.7	-1.06	+	3.8	4.3/21.9	27727
1989 TZ ₁₅	97 04 18.9	13 47.67	-20 18.5	15.8	-0.96	+	1.5	3.5/21.3	29134
1996 BH ₄	97 04 19.0	13 48.09	+13 07.7	18.5	-0.89	+	3.9	7.4/11.3	27450
1993 FX ₇₉	97 04 19.1	13 48.32	-10 24.8	16.5	-0.92	+	6.0	0.3/18.9	24762
1991 VY	97 04 19.1	13 48.40	-04 32.0	16.4	-0.96	+	3.5	2.4/17.3	26420
1264 T-2	97 04 19.1	13 48.58	-13 10.6	18.4	-0.89	+	4.3	0.6/19.7	24578
1975 SX	97 04 19.3	13 49.09	-10 55.8	18.5	-0.70	+	4.2	0.1/19.2	24116
(6786)	97 04 19.3	13 49.11	-07 11.5	16.3	-0.77	+	4.1	1.3/18.1	26388
1977 AW ₂	97 04 19.3	13 49.46	-15 03.1	16.6	-0.86	+	3.9	1.2/20.5	29131
1991 RS ₁₃	97 04 19.4	13 49.75	-19 49.4	16.8	-1.03	+	5.4	3.7/21.9	26398
1980 RC	97 04 19.5	13 49.96	-00 54.1	19.0	-0.88	+	7.4	3.3/16.3	14781
1991 SS ₁	97 04 19.6	13 50.35	-10 01.0	20.9	-0.96	+	4.1	0.4/19.3	25538
(6793)	97 04 19.6	13 50.36	-02 27.6	16.3	-0.86	+	4.0	3.5/17.1	26390
1987 YS ₁	97 04 19.6	13 50.44	+07 16.5	17.2	-0.83	+	6.6	6.5/13.6	28841
(6846)	97 04 19.7	13 50.94	-06 57.7	18.5	-0.93	+	5.6	1.5/18.5	26728
4636 P-L	97 04 19.8	13 51.16	-18 36.1	17.9	-0.91	+	0.6	2.3/21.7	22701
1996 AU	97 04 19.9	13 51.52	+15 11.1	17.7	-0.84	+	4.4	8.1/11.1	26748
1983 RX ₃	97 04 20.0	13 52.04	+02 45.6	16.8	-0.80	+	9.0	4.7/15.0	26923
1995 UK ₁	97 04 20.0	13 52.11	-11 31.7	17.3	-1.04	+	5.3	0.0/20.1	26582
2527 P-L	97 04 20.1	13 52.22	-03 14.7	19.2	-0.67	+	5.8	1.9/17.4	27123
1981 UB ₂₃	97 04 20.1	13 52.24	-06 46.3	17.5	-0.82	+	4.7	1.4/18.7	20498
1993 PC ₅	97 04 20.1	13 52.31	-01 16.2	17.1	-0.72	+	6.2	3.0/16.8	28616
1983 YK	97 04 20.1	13 52.33	-00 16.5	17.0	-0.69	+	5.7	3.3/16.5	28612
(6680)	97 04 20.1	13 52.40	-20 34.4	16.9	-0.97	+	6.9	3.2/22.9	26148
1981 EQ ₇	97 04 20.2	13 52.41	-24 47.1	19.2	-0.85	+	3.6	4.2/24.1	26916
3336 T-2	97 04 20.3	13 52.77	-05 13.8	18.8	-0.92	+	6.1	2.1/18.4	25540
(6824)	97 04 20.4	13 53.27	-08 41.7	18.0	-0.73	+	4.0	0.7/19.6	26552
1995 YC ₃	97 04 20.5	13 53.69	-06 57.6	15.7	-0.78	+	4.1	1.5/19.2	29139
4032 T-3	97 04 20.5	13 53.76	-08 17.0	18.3	-1.00	+	4.1	1.2/19.6	22495
(7063)	97 04 20.7	13 54.45	-14 37.0	17.5	-0.95	+	5.6	1.0/21.6	27439
1987 RZ	97 04 20.7	13 54.64	-08 46.7	18.6	-0.73	+	4.1	0.8/19.9	27119
1978 VW ₈	97 04 21.0	13 55.40	-08 49.5	17.9	-0.75	+	3.8	0.8/20.1	28882

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1987 SJ₁ 97 04 21.0 13 55.44 -11 27.2 18.4 -0.96 + 5.8 0.1/20.9 22493
 (6906) 97 04 21.0 13 55.63 -01 35.4 17.5 -0.86 + 2.8 2.9/18.2 26891
 1995 UV₈ 97 04 21.1 13 55.88 -08 44.6 17.4 -0.93 + 4.3 1.0/20.3 26746
 1984 MQ 97 04 21.1 13 56.04 +02 54.2 16.8 -0.84 + 6.7 5.0/16.3 22492
 2110 P-L 97 04 21.1 13 56.21 -15 08.0 18.5 -0.91 + 4.8 1.1/22.1 24409
 1986 QN 97 04 21.3 13 56.50 -05 55.0 18.4 -0.85 + 5.4 1.8/19.5 27727
 2622 P-L 97 04 21.3 13 56.60 -09 49.1 17.5 -0.76 + 4.4 0.7/20.7 26414
 1995 UB₈ 97 04 21.3 13 56.83 -07 36.4 16.7 -1.01 + 3.8 1.7/20.2 26570
 2574 P-L 97 04 21.3 13 56.88 -25 07.9 18.2 -1.01 - 0.7 3.9/24.5 29141
 1981 QK₃ 97 04 21.5 13 57.71 -27 37.2 18.1 -1.04 + 1.7 5.2/25.6 26578
 (6691) 97 04 21.6 13 57.74 -06 13.6 17.9 -0.88 + 5.2 1.9/19.9 26150
 1996 AE₄ 97 04 21.6 13 57.86 -08 33.1 17.1 -0.74 + 4.3 1.0/20.6 28618
 1978 SH₃ 97 04 21.6 13 58.04 -12 18.6 17.1 -0.99 + 6.9 0.1/21.8 21964
 1992 ES₆ 97 04 21.7 13 58.04 -01 08.6 18.3 -0.83 + 4.2 3.2/18.6 26400
 1992 AE₁ 97 04 21.8 13 58.62 +05 18.9 16.1 -0.89 + 2.3 6.4/17.2 26190
 1979 VS₂ 97 04 21.8 13 58.80 +08 17.4 16.4 -1.53 - 4.7 9.5/18.4 23132
 1989 CQ₂ 97 04 21.9 13 59.08 -06 35.1 18.4 -0.63 + 5.4 1.4/20.2 24912
 1993 FP₂₃ 97 04 21.9 13 59.16 -15 22.0 17.6 -0.95 + 5.0 1.1/22.9 26400
 1981 ES₃₉ 97 04 22.0 13 59.19 -14 09.1 20.3 -0.80 + 4.4 0.6/22.6 22430
 1981 EY₆ 97 04 22.1 13 59.94 -27 55.9 19.6 -0.85 + 3.6 4.3/26.8 26916
 1981 UU₂₉ 97 04 22.2 13 59.88 -13 25.9 19.1 -1.02 + 5.8 0.4/22.5 24100
 1992 HK₁ 97 04 22.2 14 00.03 -11 39.4 17.5 -0.83 + 3.6 0.2/22.1 29317
 1994 NS 97 04 22.4 14 01.01 -10 12.3 15.8 -0.90 +11.1 1.0/21.8 27730
 1990 RO₇ 97 04 22.4 14 01.05 -08 03.9 17.9 -0.87 + 5.6 1.5/21.2 24761
 1994 PZ₂₉ 97 04 22.5 14 01.04 -14 56.7 17.8 -0.98 + 6.3 0.9/23.3 25083
 1991 VR₁ 97 04 22.5 14 01.32 -21 17.1 17.6 -0.98 + 4.5 2.9/25.1 26758
 1994 UM₁ 97 04 22.6 14 01.69 -15 55.4 16.3 -0.92 + 5.8 1.3/23.7 26422
 1993 BX₁₃ 97 04 22.6 14 01.72 -08 32.0 17.7 -0.97 + 7.0 1.4/21.5 27730
 1981 EV₁₈ 97 04 22.6 14 01.74 -11 43.2 18.2 -0.77 + 5.6 0.2/22.5 24406
 1981 EY₂₂ 97 04 22.6 14 01.76 -08 14.3 17.6 -0.94 + 7.6 2.0/21.4 26919
 1974 PC 97 04 22.7 14 01.96 +22 44.3 19.2 -0.97 + 6.7 11.2/09.7 27323
 1994 RN₇ 97 04 22.8 14 02.15 -16 40.6 18.7 -0.88 + 3.8 1.4/24.0 24233
 1993 FR₁₂ 97 04 22.8 14 02.16 -06 05.5 16.1 -0.93 + 4.1 2.6/21.1 26173
 1969 TM₁ 97 04 22.8 14 02.43 -10 41.0 17.6 -1.02 + 2.8 0.6/22.4 22491
 1990 VC₁₅ 97 04 22.9 14 02.71 -09 02.4 16.4 -0.83 + 5.4 1.1/21.9 27934
 1988 KA 97 04 23.0 14 02.95 -06 12.6 15.2 -1.09 + 4.8 2.8/21.3 26419
 1989 SW₂ 97 04 23.0 14 03.00 -04 16.8 16.1 -0.84 + 2.7 3.2/20.8 29134
 (6931) 97 04 23.0 14 03.32 -09 01.0 16.7 -0.84 + 1.9 1.0/22.2 26897
 1993 FH₃₈ 97 04 23.1 14 03.44 -07 38.9 17.2 -0.94 + 5.8 1.8/21.7 26759
 (6679) 97 04 23.1 14 03.58 -11 12.7 16.3 -1.10 + 2.6 0.6/22.8 26147
 1995 UT₄ 97 04 23.1 14 03.64 -03 30.8 16.4 -1.05 0.0 3.4/21.2 26423
 1994 WQ₃ 97 04 23.4 14 04.55 -03 40.8 16.5 -0.76 + 5.9 2.7/20.6 26745
 1978 VT₉ 97 04 23.4 14 04.62 -09 58.3 19.0 -1.07 + 4.2 1.0/22.8 22270
 1976 QL₂ 97 04 23.4 14 04.71 -11 59.9 17.2 -0.81 + 2.0 0.2/23.3 29131
 1994 TK₃ 97 04 23.4 14 04.81 -07 30.9 16.9 -0.81 + 4.2 1.7/22.0 26759
 1985 VK 97 04 23.5 14 04.98 -03 14.0 17.0 -0.83 + 3.4 2.8/20.9 28295
 3289 T-2 97 04 23.5 14 04.98 -02 12.6 16.7 -0.73 + 6.1 3.2/20.2 28893
 1990 VS₅ 97 04 23.6 14 05.30 +02 23.5 18.1 -0.84 + 3.2 4.5/19.4 26925
 1994 UJ₂ 97 04 23.6 14 05.51 -03 51.3 17.4 -0.84 + 1.7 2.5/21.4 29138
 1995 XG 97 04 23.8 14 05.90 -11 58.5 17.6 -1.06 + 4.0 0.3/23.6 26413
 (6826) 97 04 23.8 14 06.30 -07 32.6 16.9 -0.81 + 3.9 1.7/22.4 26552

4604 P-L 97 04 23.8 14 06.32 -13 14.2 18.1 -1.03 + 4.3 0.2/24.0 22821
 (6829) 97 04 23.9 14 06.27 -10 28.8 17.2 -0.81 + 4.8 0.7/23.2 26553
 1994 PL₁₁ 97 04 24.1 14 07.17 -22 31.5 17.6 -1.00 + 4.6 3.8/26.8 27558
 (6791) 97 04 24.1 14 07.36 -13 55.7 17.4 -0.94 + 5.4 0.4/24.5 26389
 1981 EA₃₇ 97 04 24.1 14 07.42 -23 43.8 19.4 -1.04 + 2.5 4.4/27.0 26921
 1994 TS₃ 97 04 24.2 14 07.59 -12 50.9 16.4 -1.00 + 1.1 0.0/24.2 26759
 1990 WK₂ 97 04 24.4 14 08.20 -31 19.9 17.1 -0.93 + 4.9 5.4/30.0 26925
 1994 PU₂ 97 04 24.4 14 08.38 -16 33.0 19.6 -0.93 + 4.6 1.1/25.4 27313
 1993 FB₁₉ 97 04 24.5 14 08.81 -02 31.7 18.0 -0.89 + 5.6 3.7/21.5 23523
 1988 TZ 97 04 24.5 14 08.86 -14 58.2 17.0 -1.05 + 3.9 0.7/25.1 27727
 1990 SG₁₁ 97 04 24.5 14 08.95 -12 19.7 16.5 -0.93 + 6.2 0.3/24.4 26579
 1990 SG₁₂ 97 04 24.6 14 09.03 -12 50.3 19.0 -0.88 + 5.7 0.1/24.6 24912
 3101 T-3 97 04 24.6 14 09.33 -11 33.4 17.2 -1.10 + 1.5 0.6/24.3 20347
 1978 VT₄ 97 04 24.7 14 09.51 -13 02.1 18.3 -0.78 + 3.7 0.0/24.7 28882
 1990 VE₁ 97 04 24.8 14 09.66 +08 35.0 17.4 -0.83 + 5.3 6.7/18.0 27728
 1990 RT₈ 97 04 24.8 14 09.76 -08 19.3 18.8 -0.94 + 5.9 1.9/23.5 27710
 1980 UL₁ 97 04 24.8 14 10.04 -18 05.1 16.4 -0.84 + 6.6 1.6/26.4 22696
 1991 RH₂₅ 97 04 24.8 14 10.06 -05 59.4 16.4 -1.03 + 3.3 2.6/23.1 26925
 1996 AT₇ 97 04 24.9 14 10.10 +00 59.8 15.9 -0.86 + 3.7 4.8/20.9 27938
 1995 YH₃ 97 04 24.9 14 10.27 +01 11.2 18.9 -0.97 + 4.6 4.8/21.0 26574
 1983 RB₂ 97 04 24.9 14 10.33 +00 37.3 17.1 -0.86 + 8.6 4.8/20.5 26578
 1991 UV 97 04 25.0 14 10.44 -13 24.1 15.7 -0.99 + 6.3 0.1/25.1 28615
 (6860) 97 04 25.0 14 10.81 -10 01.2 16.6 -0.77 + 4.2 1.0/24.2 26731
 1993 FY₄₁ 97 04 25.1 14 10.89 -14 18.1 18.2 -0.98 + 4.3 0.4/25.4 26401
 (7192) 97 04 25.2 14 11.39 -05 43.8 16.4 -0.70 + 6.2 2.1/22.9 27902
 2104 T-1 97 04 25.3 14 11.52 -14 27.7 16.7 -0.96 + 3.0 0.6/25.6 25076
 2584 P-L 97 04 25.3 14 11.61 -11 49.0 19.4 -0.90 + 5.6 0.5/24.9 26911
 3039 T-2 97 04 25.3 14 11.69 -05 50.0 20.2 -0.87 + 5.5 2.6/23.2 27928
 1252 T-2 97 04 25.3 14 11.87 -14 43.6 20.1 -0.92 + 4.0 0.5/25.8 26577
 1978 SE₁ 97 04 25.4 14 12.17 -03 49.9 18.0 -0.93 + 3.5 3.1/22.9 27453
 1993 FB₃₂ 97 04 25.4 14 12.19 -08 34.4 17.5 -0.92 + 5.5 1.6/24.1 24108
 1991 AG₂ 97 04 25.4 14 12.24 +05 03.8 19.2 -0.78 + 5.2 4.8/19.8 17833
 1981 EP₁₃ 97 04 25.6 14 12.82 -23 01.1 17.0 -1.12 + 4.7 4.1/28.1 23787
 1993 FS₉ 97 04 25.6 14 12.83 -03 07.4 17.6 -0.96 + 5.7 3.6/22.7 29137
 2108 T-2 97 04 25.7 14 13.49 -11 56.1 17.6 -0.95 + 6.5 0.6/25.4 21603
 1978 WU 97 04 25.8 14 13.75 -19 05.8 18.8 -0.91 + 6.9 1.9/27.5 19012
 1985 JG₂ 97 04 25.9 14 13.99 -12 40.5 15.1 -0.96 + 1.6 0.3/25.8 28612
 (6767) 97 04 25.9 14 14.16 -17 11.1 16.1 -1.00 + 1.4 1.3/26.9 26384
 1989 WB₃ 97 04 26.1 14 14.59 -04 13.5 17.2 -0.84 + 1.9 2.9/23.7 24562
 1981 EB₂₅ 97 04 26.1 14 14.73 -02 51.7 18.7 -0.76 + 7.1 3.3/22.7 26919
 1995 YM 97 04 26.1 14 14.93 +14 45.1 15.3 -0.81 + 0.4 10.2/18.1 26907
 1990 VT₆ 97 04 26.2 14 14.99 -09 49.0 18.5 -0.85 + 5.2 1.2/25.2 25649
 1993 NS₁ 97 04 26.2 14 15.27 -01 17.8 19.0 -0.72 + 3.5 2.9/22.7 24232
 1988 VY₂ 97 04 26.2 14 15.29 -03 57.4 16.1 -0.81 + 1.6 2.7/23.8 24387
 6628 P-L 97 04 26.3 14 15.49 -11 45.2 18.8 -0.95 + 5.2 0.7/25.8 24764
 (7147) 97 04 26.3 14 15.61 -16 52.8 17.8 -1.00 + 4.7 1.3/27.2 27707
 1990 UB₄ 97 04 26.4 14 15.98 -05 49.5 18.2 -0.79 + 6.7 2.4/24.1 24912
 1993 FH₂₀ 97 04 26.4 14 16.11 -16 18.7 18.0 -0.97 + 5.1 0.9/27.2 27915
 2175 P-L 97 04 26.5 14 16.11 -19 20.9 17.6 -0.95 + 3.0 2.2/28.0 26761
 1996 AB₁ 97 04 26.6 14 16.42 -08 28.2 17.0 -0.82 + 4.0 1.7/25.2 28618
 1987 UT 97 04 26.7 14 16.98 -20 44.0 18.2 -1.05 + 5.1 2.6/28.6 24239

1994 WC	97 04 26.7	14 16.99	-12 52.4	17.8	-1.13	+	1.7	0.3/26.6	28617
(6821)	97 04 26.8	14 17.30	-26 40.5	15.9	-0.92	+	7.6	4.4/30.9	26551
1990 QP ₈	97 04 26.8	14 17.51	-14 42.7	18.5	-0.91	+	4.5	0.3/27.1	23974
1994 UQ ₁	97 04 26.9	14 17.75	-12 17.3	17.0	-0.90	+	5.9	0.5/26.5	24764
1988 SH ₂	97 04 26.9	14 17.97	+03 17.0	16.6	-0.79	+	3.2	5.1/22.1	29096
1988 CH ₃	97 04 27.0	14 17.97	-36 56.6	16.5	-0.95	+	4.9	9.5/04.2	27932
1971 UN	97 04 27.0	14 18.35	-13 40.4	16.1	-1.06	+	2.2	0.1/27.1	27929
1981 QR ₃	97 04 27.0	14 18.36	-30 50.6	17.0	-1.15	-	0.2	6.5/30.7	28882
3306 T-1	97 04 27.1	14 18.41	-10 19.4	18.0	-0.96	+	6.1	1.5/26.1	27732
1991 UE ₁	97 04 27.1	14 18.77	-15 33.8	18.4	-0.96	+	4.5	0.6/27.6	26562
1995 YT ₂	97 04 27.2	14 18.85	-08 17.1	19.2	-0.90	+	3.6	1.7/25.8	26907
1994 PN ₂₅	97 04 27.2	14 18.90	-09 45.3	17.0	-0.92	+	4.0	1.9/26.2	29138
1984 SD ₆	97 04 27.2	14 19.12	-18 18.2	17.8	-1.08	+	3.1	1.6/28.4	25537
1996 AE	97 04 27.3	14 19.33	-17 10.5	18.0	-0.95	+	6.4	1.1/28.3	27123
(6862)	97 04 27.3	14 19.46	-20 34.8	15.9	-0.88	+	1.1	2.0/29.0	26732
1994 PS ₁₀	97 04 27.5	14 20.08	-17 36.7	18.3	-1.01	+	4.5	1.3/28.5	24748
1984 UW	97 04 27.5	14 20.26	-21 17.1	18.7	-0.83	+	4.0	1.9/29.6	21969
1981 EV ₂₈	97 04 27.6	14 20.40	-12 14.4	18.1	-0.76	+	6.8	0.5/27.1	22271
1993 FP ₁₀	97 04 27.6	14 20.40	-08 32.5	17.9	-0.94	+	4.9	2.0/26.2	26564
1995 XS ₁	97 04 27.6	14 20.55	-14 39.7	17.8	-0.95	+	5.1	0.2/27.8	26761
3197 T-3	97 04 27.7	14 20.74	-11 39.5	18.0	-0.76	+	3.4	0.6/27.1	22088
1994 PW ₂₆	97 04 27.7	14 20.87	-01 04.9	19.0	-0.78	+	4.5	3.5/24.1	29138
(6713)	97 04 27.7	14 20.93	-09 24.9	15.7	-0.82	+	16.3	1.9/26.1	26155
(7531)	97 04 27.8	14 21.26	-12 41.5	16.1	-0.89	+	7.1	0.6/27.5	29294
1996 DE ₂	97 04 27.9	14 21.43	-09 53.9	20.5	-0.75	+	3.8	1.1/26.7	27457
1994 WT ₂	97 04 27.9	14 21.54	-13 20.4	17.3	-0.75	+	2.3	0.2/27.7	26927
1992 EO ₆	97 04 27.9	14 21.54	-11 51.9	18.7	-0.90	+	3.2	0.7/27.4	23783
1978 SD ₃	97 04 27.9	14 21.57	-21 29.4	16.6	-1.15	+	2.8	3.4/29.6	27118
1996 AS ₂	97 04 28.1	14 22.44	-14 07.1	17.2	-0.78	+	3.4	0.0/28.2	26749
1988 RO ₁₁	97 04 28.1	14 22.45	-14 41.1	19.3	-0.78	+	3.6	0.1/28.3	24581
1995 XD	97 04 28.1	14 22.45	-08 32.6	17.7	-0.98	+	2.6	2.0/26.8	26761
(6878)	97 04 28.2	14 22.66	-08 07.5	16.5	-0.97	+	4.1	2.3/26.7	26735
1995 SS ₅₃	97 04 28.2	14 22.82	-15 03.9	18.5	-1.04	+	3.9	0.3/28.5	26746
1989 TC ₃	97 04 28.2	14 22.86	-05 14.3	17.8	-0.76	+	5.2	2.7/25.7	24761
1979 MA ₄	97 04 28.3	14 22.91	-11 19.2	17.5	-0.70	+	4.3	0.8/27.5	27725
(7478)	97 04 28.3	14 23.27	-09 16.0	18.2	-0.82	+	4.1	1.6/27.0	29083
(7155)	97 04 28.4	14 23.27	+03 28.2	17.3	-0.77	+	3.2	5.4/23.4	27894
1990 WP ₄	97 04 28.4	14 23.28	+00 11.9	16.4	-0.89	+	1.4	5.5/24.8	27934
1990 TD ₁₂	97 04 28.4	14 23.31	-16 44.3	19.1	-0.87	+	4.9	0.8/29.1	27711
1991 RM ₂	97 04 28.5	14 23.67	-03 00.3	16.9	-0.96	+	7.3	4.1/25.2	28886
1987 SC ₆	97 04 28.5	14 23.91	-12 48.2	16.7	-0.77	+	4.1	0.4/28.1	28613
1981 EA ₃₂	97 04 28.6	14 24.02	-18 59.0	19.6	-0.77	+	6.0	1.3/30.0	26921
1978 TH ₇	97 04 28.6	14 24.40	-00 57.7	17.0	-0.73	+	4.3	3.6/24.8	28882
1977 DD ₁	97 04 28.7	14 24.68	-04 16.4	17.1	-1.00	+	5.7	3.9/26.0	27930
1994 VR	97 04 28.8	14 24.90	-11 58.0	18.3	-0.91	+	1.7	0.7/28.3	24585
1993 GO	97 04 28.8	14 25.02	-04 17.6	15.2	-1.09	-	4.2	4.8/27.2	26421
1981 EV ₂	97 04 28.8	14 25.09	-21 46.6	17.7	-0.80	+	6.1	2.3/01.1	26915
1991 VF ₇	97 04 28.9	14 25.37	-18 41.1	16.2	-0.92	+	7.0	1.7/30.2	26758
1989 YO ₅	97 04 29.0	14 25.79	-10 53.9	15.7	-0.78	+	3.3	1.2/28.1	26925
1993 FT ₇	97 04 29.0	14 25.96	-04 51.2	18.0	-0.92	+	5.8	3.5/26.4	23522
1986 XT	97 04 29.1	14 25.98	-18 02.5	18.4	-0.94	+	3.9	1.1/30.0	27727

1988 RX ₁₂	97 04 29.2	14 26.29	-08 33.4	17.6	-0.74	+	6.0	1.7/27.4	28884
1990 VL ₁	97 04 29.2	14 26.72	-19 05.4	17.3	-0.91	+	6.8	1.5/30.6	29134
(6926)	97 04 29.2	14 26.75	-31 26.2	17.4	-1.03	+	2.1	5.2/03.5	26896
1995 YP ₃	97 04 29.3	14 26.96	-10 25.8	16.3	-0.94	+	4.8	1.5/28.3	26761
1173 T-2	97 04 29.3	14 27.05	-23 54.1	19.4	-0.90	+	2.0	2.8/01.7	22701
1996 HB	97 04 29.3	14 27.12	-12 40.8	16.9	-0.82	+	6.1	0.5/28.9	27457
1990 SV ₁₃	97 04 29.4	14 27.40	-18 35.2	17.5	-0.97	+	3.1	1.4/30.5	28885
1991 AC	97 04 29.4	14 27.44	-13 02.7	16.3	-0.85	+	3.2	0.5/29.1	29134
1990 QM	97 04 29.4	14 27.48	-09 54.8	15.8	-0.92	+	5.7	2.0/28.2	28885
1996 BQ ₂	97 04 29.6	14 28.23	+06 43.8	17.3	-0.67	+	3.6	5.5/23.3	28890
1991 RB ₄	97 04 29.7	14 28.19	-22 45.2	17.3	-1.05	+	3.5	3.3/01.7	26758
1994 PD ₁₈	97 04 29.7	14 28.64	-03 42.6	17.6	-0.89	+	6.7	4.6/26.6	25430
1053 T-2	97 04 29.8	14 28.84	-13 58.1	18.2	-0.88	+	4.5	0.2/29.7	26761
1990 WA ₅	97 04 29.8	14 28.97	-04 10.9	16.7	-0.84	+	3.8	3.7/27.1	28614
1980 TT ₃	97 04 29.9	14 29.35	-22 29.1	17.5	-1.08	+	2.7	2.8/01.8	28611
1987 DB ₆	97 04 30.1	14 30.00	-03 25.3	18.0	-0.81	+	4.7	3.4/27.0	26924
(6828)	97 04 30.1	14 30.02	+02 28.0	17.6	-0.84	+	3.0	5.0/25.6	26553
1990 OL ₄	97 04 30.1	14 30.04	-24 03.6	17.1	-1.02	+	5.2	3.3/02.6	26757
1995 WA ₈	97 04 30.2	14 30.52	-20 51.5	18.2	-1.12	+	3.4	2.3/01.7	28861
1995 WT ₅	97 04 30.3	14 30.49	-16 38.5	16.5	-1.03	+	2.3	0.8/30.7	28618
1988 UV	97 04 30.3	14 30.73	-13 11.8	16.7	-0.96	+	8.1	0.6/29.9	17207
1992 LF	97 04 30.3	14 30.76	+10 54.0	17.5	-0.69	+	4.6	6.4/22.2	28586
(6879)	97 04 30.3	14 30.79	-03 27.7	17.4	-0.75	+	2.9	3.0/27.3	26736
(7494)	97 04 30.3	14 30.88	-26 00.1	16.0	-0.83	+	4.9	3.6/03.6	29088
1985 DC ₁	97 04 30.3	14 30.88	-13 54.5	16.7	-0.77	+	3.8	0.3/30.1	28612
(6736)	97 04 30.4	14 30.96	-12 35.0	16.8	-1.01	+	3.4	0.9/29.9	26161
1137 T-1	97 04 30.4	14 31.28	-20 18.1	16.5	-1.09	+	5.5	2.3/01.9	26929
1996 CL ₂	97 04 30.4	14 31.29	-25 36.9	16.7	-0.92	+	1.2	3.1/03.1	29139
1988 VS ₁	97 04 30.5	14 31.29	-09 42.4	16.4	-1.06	+	4.7	2.0/29.2	26756
1993 FU ₇	97 04 30.5	14 31.44	-09 36.2	17.5	-1.02	+	4.4	2.1/29.2	28588
1982 VO ₃	97 04 30.5	14 31.60	-11 52.4	18.0	-0.75	+	3.4	0.8/29.8	27931
1981 QK	97 04 30.5	14 31.63	-21 49.5	17.6	-1.14	+	3.0	2.7/02.2	21968
1991 RN ₁₃	97 04 30.6	14 31.62	-21 32.6	16.8	-1.08	+	6.0	2.9/02.3	26901
1983 VH ₁	97 04 30.6	14 31.74	-03 54.8	16.4	-0.79	+	1.9	3.1/27.9	29316
(7483)	97 04 30.7	14 32.01	-10 58.2	17.1	-0.77	+	3.0	1.1/29.7	29086
1975 SE ₁	97 04 30.7	14 32.19	-20 13.3	18.0	-1.15	+	0.7	2.1/01.8	26394
3395 T-3	97 04 30.8	14 32.59	-09 12.0	16.9	-0.93	+	6.5	2.4/29.2	22601
1991 GB ₃	97 04 30.8	14 32.63	-15 27.3	16.8	-0.78	+	3.5	0.2/31.0	27934
1989 SR ₂	97 04 30.9	14 32.94	-10 23.1	17.6	-0.82	+	3.5	1.5/29.7	26579
1986 UH ₃	97 05 01.0	14 33.15	-16 07.6	19.2	-0.91	+	4.3	0.3/01.3	26756
2600 P-L	97 05 01.0	14 33.28	-13 59.6	18.8	-0.96	+	5.1	0.4/30.8	26582
(6753)	97 05 01.0	14 33.48	-20 59.9	15.3	-1.04	+	4.8	2.7/02.6	26380
1994 PH ₁₈	97 05 01.1	14 33.95	-10 44.9	16.9	-0.87	+	5.6	2.1/30.0	25219
1995 UM ₈	97 05 01.2	14 33.96	-16 34.0	17.6	-1.11	+	2.7	0.6/01.5	28860
(7193)	97 05 01.2	14 33.97	-26 00.0	16.7	-0.88	+	1.7	3.3/03.9	27902
1993 OR ₈	97 05 01.2	14 34.08	-11 01.5	18.4	-0.74	+	3.6	1.0/30.1	24568
1989 CE ₅	97 05 01.3	14 34.52	-18 49.8	17.1	-0.94	+	4.3	1.7/02.3	24760
2532 P-L	97 05 01.3	14 34.57	-08 15.9	17.2	-0.77	+	6.1	2.2/29.3	27457
1994 CY	97 05 01.3	14 34.68	-27 19.5	19.1	-0.78	+	4.9	2.9/04.8	27121
1993 LU ₁	97 05 01.4	14 34.99	-18 03.8	16.8	-0.87	+	7.7	1.0/02.3	24568
4165 T-2	97 05 01.4	14 35.10	-09 17.2	18.4	-0.86	+	5.2	2.0/29.9	27939