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EDITORIAL NOTICE

Contributors of perturbed orbital elements are advised that use of the Epoch 1997 June 1.0 TT (rather than 1996 Nov. 13.0 TT) will become effective *following* the 1997 Feb. 22 batch of *MPCs*.

E. Bowell, Lowell Observatory, reports the availability of a new positional reference catalogue, suitable for use by minor-planet and comet astrometrists. Constructed by D. G. Monet, U.S. Naval Observatory Flagstaff Station, USNO-SA1.0 is a catalogue of 54 787 624 sources over the entire sky that were extracted from the larger USNO-A1.0 catalogue using an algorithm designed to produce a spatially uniform list of faint astrometric reference objects (surface density ~ 1300 objects/deg²). Listed for each source are α, δ (J2000.0), m_b and m_r . Whenever possible, sources are of magnitude $16 \leq m_b \leq 19$ and $+0.5 \leq m_b - m_r \leq +2.0$. The latter range is approximately centered on solar-type colors. The astrometric accuracy is believed to be $\sim 0''.25$, and the photometric accuracy is believed to be between 0.25 and 0.40 mag, depending on declination. Instructions, files and information pertaining to USNO-SA1.0 are contained on a single CD-ROM, available at no cost from: Secretary, Astrometry Department, U.S. Naval Observatory, 3450 Massachusetts Avenue NW, Washington DC 20392, U.S.A. (email: usno-sa1@icon.usno.navy.mil). Additional information regarding USNO-SA1.0 is available on the World Wide Web at <http://www.usno.navy.mil/pmm>. Software for extracting objects from both the USNO-SA1.0 and USNO-A1.0 catalogues has been written by B. W. Koehn, Lowell Observatory, and may be downloaded or run via the World Wide Web at <http://asteroid.lowell.edu> or requested via email from koehn@lowell.edu.

ERRATA

<i>MPC</i>	Line	
28621	27	<i>For Cezanne read Cézanne</i>
28622	2	<i>For who was built read who built</i>

NEW OBSERVATORY CODE

The following listing is a continuation to that on *MPC* 28335. The longitude λ is 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	$\rho \cos \phi'$	$\rho \sin \phi'$	
130	10.2407	0.70013	+0.71181	Lumezzane

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	N Obs.
1981 QT	1988 09 10.30677	22 41 05.90	-05 59 38.3	<i>MPC</i> 20388		3 675	
1985 SH	* 1985 09 18.85630	23 09 34.03	+10 03 19.2	<i>MPC</i> 10088	16.0	046	
1985 SH	1985 09 18.87123	23 09 33.42	+10 02 57.9	<i>MPC</i> 10088		046	
1985 SH	1985 09 19.85684	23 08 52.94	+09 36 41.1	<i>MPC</i> 10088		046	
1985 SH	1985 09 19.87096	23 08 52.26	+09 36 19.7	<i>MPC</i> 10088		046	
1988 PX ₂	1988 09 10.30677	22 30 51.28	-03 12 57.2	<i>MPC</i> 20396		1 675	
1988 QF	1988 09 11.22396	22 47 16.54	-15 05 22.1	<i>MPC</i> 17528	17.5	1 675	
1988 RJ ₄	1988 09 10.30677	22 40 36.05	-05 44 31.7	<i>MPC</i> 20396		1 675	
1988 RN ₄	1988 09 10.30677	22 44 04.15	-05 38 30.5	<i>MPC</i> 20396		1 675	
1988 RO ₅	1988 09 10.30677	22 44 58.00	-02 41 25.2	<i>MPC</i> 20396		1 675	
1988 RQ ₅	1988 09 10.30677	22 51 33.45	-04 23 29.6	<i>MPC</i> 20396		1 675	
1988 RT ₆	1988 09 10.30677	22 59 21.13	-03 49 35.9	<i>MPC</i> 20396		5 675	
1989 YH	1988 09 10.30677	22 46 01.96	+00 46 58.4	<i>MPC</i> 20397		7 675	
1991 BY	1988 09 10.30677	23 03 14.76	-02 09 13.4	<i>MPC</i> 20398		1 675	
1992 AD	1992 02 04.33594	08 03 35.99	+20 58 34.1	<i>MPC</i> 19768		8 675	
1993 HO ₁	1993 04 19.36788	14 57 24.26	-20 33 46.0	<i>MPC</i> 22158	18.5	675	
2527 P-L	1988 09 10.30677	22 38 15.22	+01 36 57.5	<i>MPC</i> 20402		1 675	
2908 T-2	1988 09 10.30677	23 04 05.91	-01 04 09.1	<i>MPC</i> 20403		A 675	
(444)	1988 09 10.30677	22 38 09.20	+01 46 06.2	<i>MPC</i> 20405		1 675	
(1338)	1988 09 10.30677	22 42 03.30	-05 23 24.5	<i>MPC</i> 20406		1 675	
(1433)	1988 09 10.30677	22 57 12.95	-00 36 24.9	<i>MPC</i> 20406		1 675	
(1438)	1988 09 10.30677	22 47 48.04	-04 07 07.9	<i>MPC</i> 20406		1 675	
(1767)	1988 09 10.30677	22 35 34.48	-00 33 05.5	<i>MPC</i> 20407		1 675	
(2002)	1988 09 10.30677	22 47 35.51	-03 43 20.2	<i>MPC</i> 20407	16.5	1 675	
(2071)	1988 09 10.30677	23 03 30.46	-00 23 06.5	<i>MPC</i> 20408		1 675	
(2609)	1988 09 10.30677	22 36 25.44	-02 06 56.7	<i>MPC</i> 20408		1 675	
(2751)	1988 09 10.30677	22 59 57.27	-03 42 16.6	<i>MPC</i> 20408		1 675	
(2953)	1988 09 10.30677	22 59 17.38	-04 40 43.4	<i>MPC</i> 20409		1 675	
(3107)	1988 09 10.30677	22 55 45.57	-02 59 40.1	<i>MPC</i> 20409		1 675	
(3147)	1988 09 10.30677	22 51 17.69	-02 32 28.9	<i>MPC</i> 20409		1 675	
(3412)	1988 09 10.30677	22 47 28.29	-04 06 44.3	<i>MPC</i> 20409		1 675	

(4241)	1988 09 10.30677	22 56 02.20	-05 10 10.4	<i>MPC</i> 20411	1 675
(4377)	1988 09 10.30677	22 39 01.40	-04 19 02.5	<i>MPC</i> 20411	1 675
(4707)	1988 09 10.30677	22 36 48.44	-03 42 00.9	<i>MPC</i> 20412	1 675
(4829)	1988 09 10.30677	22 40 48.82	+01 40 14.7	<i>MPC</i> 20412	1 675
(4867)	1988 09 10.30677	22 55 10.86	+00 17 06.2	<i>MPC</i> 20412	1 675
(4908)	1988 09 10.30677	22 32 42.45	-03 47 06.1	<i>MPC</i> 20412	1 675
(5164)	1992 04 05.14653	06 35 53.76	+44 14 07.8	<i>MPC</i> 20106	1 675
(5289)	1994 02 10.44323	10 26 10.39	+00 09 43.6	<i>MPC</i> 24652	1 675

Note 1: time changed. 2: 1981 QT = (5417). 3 = 1 + 2. 4: 1988 RT₆ = (5326).
 5 = 1 + 4. 6: 1989 YH = (5823). 7 = 1 + 6. 8: 1992 AD = (5145).
 9: 2908 T-2 = (7265). A = 1 + 9.

DELETED OBSERVATIONS

The following observations are to be deleted.

Object	Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1954 CL	1954 02 04.94786	08 28 44.51	+27 56 38.5	<i>MPC</i> 1071		012
1988 KO ₁	* 1988 05 23.16736	14 39 44.81	-09 43 54.3	<i>MPC</i> 14298		809

IDENTIFICATION CHANGES

Continuation to *MPC* 28336.

Object	Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	Obs.
1940 YT	* 1940 12 28.69443	03 50 01.08	+18 07 12.7	1940 WC			062
1976 SL ₁₁	* 1976 09 29.89029	00 47 37.03	+02 08 34.4	1976 SM ₄	17.5		095
1981 UY ₂₉	* 1981 10 28.86102	02 13 34.78	+06 20 05.7	1981 UH ₁₇	17.5		095
1991 PT ₃₁	* 1991 08 04.09444	21 14 52.75	-14 14 30.7	2192 T-3			809
1994 KC	* 1994 05 17.25435	14 51 29.07	-14 55 16.8	1994 JE ₆			691
1994 KC	1994 05 17.27819	14 51 27.91	-14 55 11.2	1994 JE ₆	17.2	V	691
1994 KC	1994 05 17.30194	14 51 26.73	-14 55 05.7	1994 JE ₆			691
1996 TJ ₆₆	* 1996 10 10.60313	23 38 15.56	+06 39 09.2	1996 TG ₅₄	17		372

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

046	Kleť. 0.57-m <i>f</i> /5.2 reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec.
104	San Marcello Pistoiese. 0.40-m <i>f</i> /5 reflector + CCD. Observers L. Tesi, A. Boattini and G. Cattani. Measured by L. Tesi, A. Boattini and G. Forti.
108	Montelupo. 0.30-m <i>f</i> /5.7 Schmidt-Cassegrain + CCD. Observers M. Tombelli and G. Forti.
113	Drebach. 0.18-m <i>f</i> /9 refractor + CCD. Observers G. Lehmann and J. Kandler.
118	Modra. 0.6-m <i>f</i> /5.5 reflector + CCD. Observers A. Galád, P. Kolény, L. Kornoš and A. Pravda.
124	Castres. 0.20-m Schmidt-Cassegrain + CCD. Observer A. Klotz.
168	Kourovskaya. 0.42-m <i>f</i> /0.77 Schmidt. Observer G. S. Romashin. Measured by Yu. S. Wiebe.
327	Xinglong. 0.60-m Schmidt + CCD. Observers J. Zhu and L. J. Ma.
355	Hadano. 0.20-m <i>f</i> /6.0 reflector + CCD. Observer A. Asami.

360	Kuma Kogen. 0.60-m <i>f</i> /6.0 Ritchey-Chrétien + CCD. Observer A. Nakamura.
367	Yatsuka. 0.26-m <i>f</i> /6.0 reflector + CCD. Observer H. Abe.
372	Geisei. 0.60-m <i>f</i> /3.5 reflector. Observer T. Seki. From <i>Orient. Astron. Assoc. Comet Bull.</i>
388	Mitaka. 0.50-m reflector + CCD. Observers H. Fukushima and N. Yamamoto.
402	Dynic Astronomical Observatory. 0.60-m <i>f</i> /3.7 reflector + CCD. Observer A. Sugie.
411	Oizumi. 0.41-m <i>f</i> /4.3 reflector + CCD. Observer T. Kobayashi.
421	Kajigamori. 0.60-m <i>f</i> /4.0 reflector + CCD. Observer K. Muraoka.
422	Loomberah. 0.25-m <i>f</i> /4.1 reflector + CCD. Observer G. J. Garradd.
557	Ondřejov. 0.65-m <i>f</i> /3.6 reflector + CCD. Observer L. Šarounová.
566	Haleakala-NEAT/GEODSS. 1-m <i>f</i> /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. Esquibel, C. Cotton and D. Bascon.
587	Sormano. 0.5-m reflector + CCD. Observers F. Manca, V. Giuliani, M. Cavagna, P. Sicoli, M. Carpino, G. Ventre, E. Colzani, A. Testa and P. Chiavenna.
595	Farra d'Isonzo. 0.40-m <i>f</i> /4.5 reflector + CCD. Observers A. Toso, W. Boschini, L. Drigo, G. Lombardi and E. Pettarin.
605	Marl. 0.2-m <i>f</i> /10 Schmidt-Cassegrain + CCD. Observer E. Jung.
612	Lenkerbeck. 0.28-m <i>f</i> /5 reflector + CCD. Observer R. Sparenberg.
658	Dominion Astrophysical Observatory, Victoria. 1.82-m Plaskett telescope + CCD. Observer G. C. L. Aikman.
673	Table Mountain Observatory. 0.6-m reflector + CCD. Observer D. L. Rabinowitz.
675	Palomar. 0.46-m Schmidt. Observers C. S. Shoemaker and E. M. Shoemaker. Measured by B. A. Skiff.
689	U.S. Naval Observatory, Flagstaff Station. 0.20-m transit telescope. Observer A. K. B. Monet.
691	Kitt Peak. 0.91-m Spacewatch telescope. Observers T. Gehrels, J. V. Scotti and J. Montani.
801	Oak Ridge. 1.5-m reflector + CCD. Observers R. E. McCrosky and M. K. Lohmiller.
867	Saji Observatory. 1.03-m <i>f</i> /4.8 reflector + CCD. Observers M. Yamanishi, A. Miyamoto, M. Aimoto and T. Oribe.
896	Yatsugatake South Base Observatory. 0.25-m <i>f</i> /6.3 Schmidt Cassegrain + CCD. Observer M. Fukuda.
897	YGCO Chiyoda Observatory. 0.25-m <i>f</i> /6.0 reflector + CCD. Observer T. Kojima.
900	Moriyama. 0.25-m <i>f</i> /6.3 reflector + CCD. Observer Y. Ikari.
954	Teide Observatory. 0.81-m <i>f</i> /11 reflector + CCD. Observers J. Licandro, M. Serra and A. Oscoz. Measured by R. Casas.
966	Church Stretton. 0.25-m Schmidt-Cassegrain + CCD. Observer S. P. Laurie.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.
C/1994 J2 (Takamizawa)						
C/1994 J2	1996 10 22.82240	06 15 48.57	-08 07 43.8	18.2	T	360
C/1994 J2	1996 12 03.64184	05 54 52.01	-09 06 07.4	17.9	T	360
C/1994 J2	1996 12 14.59991	05 48 10.14	-09 02 53.1			421
C/1994 J2	1996 12 14.60635	05 48 09.82	-09 02 53.2	18.0	T	421

C/1994 J2	1997 01 11.57091	05 31 56.55	-08 15 42.7	17.4 T	360
C/1994 J2	1997 01 11.58707	05 31 55.99	-08 15 40.7		360
C/1994 J2	1997 01 17.20345	05 29 06.81	-08 00 20.1	22.3 N	691
C/1994 J2	1997 01 17.22837	05 29 06.11	-08 00 14.6	19.6 T	691
C/1994 J2	1997 01 17.24703	05 29 05.68	-08 00 11.9	18.8 T	691

C/1995 O1 (Hale-Bopp)

C/1995 O1	1996 08 16.76094	17 51 55.67	-07 35 42.8		168
C/1995 O1	1996 08 16.76424	17 51 55.57	-07 35 41.0		168
C/1995 O1	1996 09 16.42486	17 31 32.51	-05 42 42.2	9.6 N	388
C/1995 O1	1996 09 16.43516	17 31 32.31	-05 42 40.6	9.5 N	388
C/1995 O1	1996 09 16.43704	17 31 32.28	-05 42 40.4	9.5 N	388
C/1995 O1	1996 09 16.44032	17 31 32.22	-05 42 39.2	9.6 N	388
C/1995 O1	1996 09 16.44199	17 31 32.19	-05 42 39.1	9.6 N	388
C/1995 O1	1996 09 16.44368	17 31 32.17	-05 42 38.5	9.5 N	388
C/1995 O1	1996 09 16.44535	17 31 32.13	-05 42 38.6	9.6 N	388
C/1995 O1	1996 09 18.42546	17 31 00.24	-05 36 39.4	9.3 N	388
C/1995 O1	1996 09 18.42715	17 31 00.21	-05 36 39.2	9.3 N	388
C/1995 O1	1996 09 18.42887	17 31 00.19	-05 36 38.8	9.3 N	388
C/1995 O1	1996 09 18.43060	17 31 00.15	-05 36 38.6	9.3 N	388
C/1995 O1	1996 09 18.43227	17 31 00.12	-05 36 38.4	9.3 N	388
C/1995 O1	1996 09 18.43398	17 31 00.10	-05 36 37.9	9.3 N	388
C/1995 O1	1996 09 18.43565	17 31 00.08	-05 36 37.9	9.3 N	388
C/1995 O1	1996 09 18.43729	17 31 00.06	-05 36 37.4	9.3 N	388
C/1995 O1	1996 09 24.42243	17 29 56.57	-05 18 59.0	8.6 N	388
C/1995 O1	1996 09 24.42467	17 29 56.56	-05 18 58.5	8.6 N	388
C/1995 O1	1996 09 24.42583	17 29 56.55	-05 18 58.2	8.6 N	388
C/1995 O1	1996 09 24.42699	17 29 56.54	-05 18 57.7	8.6 N	388
C/1995 O1	1996 09 24.42815	17 29 56.55	-05 18 57.6	8.6 N	388
C/1995 O1	1996 09 24.42931	17 29 56.53	-05 18 57.6	8.6 N	388
C/1995 O1	1996 09 24.43044	17 29 56.50	-05 18 57.5	8.6 N	388
C/1995 O1	1996 09 24.43155	17 29 56.52	-05 18 57.0	8.6 N	388
C/1995 O1	1996 10 07.64572	17 30 21.23	-04 40 49.1		168
C/1995 O1	1996 10 07.65310	17 30 21.35	-04 40 46.5		168
C/1995 O1	1996 10 13.38294	17 31 37.67	-04 23 42.2	9.1 N	388
C/1995 O1	1996 10 13.38678	17 31 37.72	-04 23 41.4	9.1 N	388
C/1995 O1	1996 10 13.38910	17 31 37.77	-04 23 41.1	9.1 N	388
C/1995 O1	1996 10 13.39144	17 31 37.80	-04 23 40.8	9.1 N	388
C/1995 O1	1996 10 13.39382	17 31 37.84	-04 23 40.2	9.1 N	388
C/1995 O1	1996 10 13.40329	17 31 37.97	-04 23 38.6	9.1 N	388
C/1995 O1	1996 10 13.41315	17 31 38.14	-04 23 37.0	9.1 N	388
C/1995 O1	1996 10 13.41553	17 31 38.17	-04 23 36.5	9.1 N	388
C/1995 O1	1996 10 15.37764	17 32 12.94	-04 17 31.8	9.2 N	388
C/1995 O1	1996 10 15.38025	17 32 12.99	-04 17 31.4	9.2 N	388
C/1995 O1	1996 10 15.38164	17 32 13.00	-04 17 31.4	9.2 N	388
C/1995 O1	1996 10 15.38308	17 32 13.04	-04 17 31.2	9.2 N	388
C/1995 O1	1996 10 15.38454	17 32 13.08	-04 17 30.6	9.2 N	388
C/1995 O1	1996 10 15.38597	17 32 13.09	-04 17 30.3	9.3 N	388
C/1995 O1	1996 10 15.38738	17 32 13.13	-04 17 29.7	9.2 N	388
C/1995 O1	1996 10 15.39005	17 32 13.20	-04 17 29.7	9.3 N	388
C/1995 O1	1996 10 21.39444	17 34 25.55	-03 58 06.6	8.8 N	388
C/1995 O1	1996 10 21.39609	17 34 25.58	-03 58 06.6	8.8 N	388
C/1995 O1	1996 10 21.39778	17 34 25.63	-03 58 06.0	8.8 N	388

C/1995 O1	1996 10 21.39949	17 34 25.68	-03 58 05.7	8.8 N	388
C/1995 O1	1996 10 21.40120	17 34 25.68	-03 58 06.1	8.8 N	388
C/1995 O1	1996 10 21.40287	17 34 25.75	-03 58 05.4	8.8 N	388
C/1995 O1	1996 10 21.40454	17 34 25.79	-03 58 05.0	8.8 N	388
C/1995 O1	1996 10 21.40620	17 34 25.83	-03 58 04.5	8.8 N	388
C/1995 O1	1996 10 22.39433	17 34 51.23	-03 54 43.4	9.6 N	388
C/1995 O1	1996 10 22.39593	17 34 51.27	-03 54 43.3	9.6 N	388
C/1995 O1	1996 10 22.39829	17 34 51.33	-03 54 42.9	9.6 N	388
C/1995 O1	1996 10 22.39998	17 34 51.36	-03 54 42.2	9.6 N	388
C/1995 O1	1996 10 22.40160	17 34 51.44	-03 54 42.1	9.6 N	388
C/1995 O1	1996 10 22.40329	17 34 51.47	-03 54 41.8	9.6 N	388
C/1995 O1	1996 10 22.40493	17 34 51.49	-03 54 41.5	9.5 N	388
C/1995 O1	1996 10 22.40657	17 34 51.53	-03 54 41.3	9.5 N	388
C/1995 O1	1996 10 23.41821	17 35 18.57	-03 51 13.6	9.5 N	388
C/1995 O1	1996 10 23.42027	17 35 18.62	-03 51 13.0	9.7 N	388
C/1995 O1	1996 10 23.42228	17 35 18.68	-03 51 12.4	9.6 N	388
C/1995 O1	1996 10 23.42429	17 35 18.75	-03 51 12.2	9.6 N	388
C/1995 O1	1996 10 23.42633	17 35 18.79	-03 51 11.7	9.7 N	388
C/1995 O1	1996 10 23.42869	17 35 18.86	-03 51 11.2	9.7 N	388
C/1995 O1	1996 10 23.43068	17 35 18.90	-03 51 11.0	9.6 N	388
C/1995 O1	1996 10 23.43272	17 35 18.96	-03 51 10.4	9.7 N	388
C/1995 O1	1996 10 24.38684	17 35 45.44	-03 47 51.4	8.8 N	388
C/1995 O1	1996 10 24.38825	17 35 45.49	-03 47 51.5	8.7 N	388
C/1995 O1	1996 10 24.39228	17 35 45.58	-03 47 50.4	8.8 N	388
C/1995 O1	1996 10 24.39439	17 35 45.64	-03 47 50.1	8.8 N	388
C/1995 O1	1996 10 24.39892	17 35 45.78	-03 47 48.8	8.8 N	388
C/1995 O1	1996 10 24.40036	17 35 45.82	-03 47 48.4	8.8 N	388
C/1995 O1	1996 10 24.40179	17 35 45.86	-03 47 48.3	8.8 N	388
C/1995 O1	1996 10 24.40501	17 35 45.94	-03 47 47.9	8.7 N	388
C/1995 O1	1996 10 24.40642	17 35 45.98	-03 47 47.4	8.7 N	388
C/1995 O1	1996 10 27.39876	17 37 14.76	-03 37 02.8	8.1 N	388
C/1995 O1	1996 10 27.40061	17 37 14.81	-03 37 02.8	8.2 N	388
C/1995 O1	1996 10 27.40205	17 37 14.85	-03 37 02.4	8.2 N	388
C/1995 O1	1996 10 27.40348	17 37 14.89	-03 37 02.1	8.1 N	388
C/1995 O1	1996 10 27.40918	17 37 15.06	-03 37 00.9	8.3 N	388
C/1995 O1	1996 10 27.41059	17 37 15.10	-03 37 00.8	8.2 N	388
C/1995 O1	1996 10 27.41251	17 37 15.17	-03 37 00.6	8.2 N	388
C/1995 O1	1996 10 27.41473	17 37 15.25	-03 36 59.3	8.2 N	388
C/1995 O1	1996 10 27.41615	17 37 15.29	-03 36 59.4	8.1 N	388
C/1995 O1	1996 10 27.41758	17 37 15.33	-03 36 58.8	8.1 N	388
C/1995 O1	1996 10 29.40392	17 38 19.21	-03 29 34.0	8.9 N	388
C/1995 O1	1996 10 29.40534	17 38 19.25	-03 29 33.5	8.9 N	388
C/1995 O1	1996 10 29.40677	17 38 19.31	-03 29 33.4	8.9 N	388
C/1995 O1	1996 10 29.40821	17 38 19.36	-03 29 33.0	8.8 N	388
C/1995 O1	1996 10 29.40964	17 38 19.41	-03 29 32.5	8.8 N	388
C/1995 O1	1996 10 29.41105	17 38 19.44	-03 29 32.2	8.8 N	388
C/1995 O1	1996 10 29.41247	17 38 19.50	-03 29 31.9	8.9 N	388
C/1995 O1	1996 10 29.41390	17 38 19.54	-03 29 31.9	8.8 N	388
C/1995 O1	1996 10 30.38936	17 38 52.25	-03 25 47.9	8.8 N	388
C/1995 O1	1996 10 30.39163	17 38 52.35	-03 25 47.0	8.8 N	388
C/1995 O1	1996 10 30.39304	17 38 52.38	-03 25 47.0	8.9 N	388
C/1995 O1	1996 10 30.39448	17 38 52.43	-03 25 46.8	8.9 N	388

C/1995 O1	1996 10 30.39591	17 38 52.48	-03 25 46.4	9.0 N	388	C/1995 O1	1996 11 19.36522	17 53 11.81	-01 52 05.4	9.0 N	388
C/1995 O1	1996 10 30.39733	17 38 52.56	-03 25 46.1	9.1 N	388	C/1995 O1	1996 11 19.36666	17 53 11.88	-01 52 05.0	9.1 N	388
C/1995 O1	1996 10 30.39874	17 38 52.59	-03 25 45.7	9.1 N	388	C/1995 O1	1996 11 19.36809	17 53 11.95	-01 52 04.3	9.1 N	388
C/1995 O1	1996 10 30.40017	17 38 52.63	-03 25 45.4	9.0 N	388	C/1995 O1	1996 11 19.36950	17 53 12.06	-01 52 03.9	9.2 N	388
C/1995 O1	1996 11 06.38630	17 43 13.06	-02 57 01.6	9.1 N	388	C/1995 O1	1996 11 19.37094	17 53 12.09	-01 52 03.7	9.1 N	388
C/1995 O1	1996 11 06.38875	17 43 13.15	-02 57 01.3	9.0 N	388	C/1995 O1	1996 11 19.37235	17 53 12.17	-01 52 03.1	9.1 N	388
C/1995 O1	1996 11 06.39053	17 43 13.22	-02 57 00.9	9.1 N	388	C/1995 O1	1996 11 19.37379	17 53 12.22	-01 52 02.6	9.2 N	388
C/1995 O1	1996 11 06.39229	17 43 13.29	-02 57 00.5	9.0 N	388	C/1995 O1	1996 11 19.37522	17 53 12.30	-01 52 01.8	9.2 N	388
C/1995 O1	1996 11 06.39407	17 43 13.47	-02 56 59.3	9.1 N	388	C/1995 O1	1996 11 21.35971	17 54 56.32	-01 40 29.5	9.7 N	388
C/1995 O1	1996 11 06.39586	17 43 13.43	-02 56 59.7	9.0 N	388	C/1995 O1	1996 11 21.36200	17 54 56.43	-01 40 28.4	9.7 N	388
C/1995 O1	1996 11 06.39764	17 43 13.50	-02 56 58.6	9.1 N	388	C/1995 O1	1996 11 21.36413	17 54 56.55	-01 40 27.5	9.7 N	388
C/1995 O1	1996 11 06.39940	17 43 13.58	-02 56 58.4	9.0 N	388	C/1995 O1	1996 11 21.36626	17 54 56.67	-01 40 26.9	9.7 N	388
C/1995 O1	1996 11 13.37700	17 48 17.70	-02 24 10.5	9.7 N	388	C/1995 O1	1996 11 21.36859	17 54 56.79	-01 40 26.0	9.7 N	388
C/1995 O1	1996 11 13.37844	17 48 17.74	-02 24 10.1	9.8 N	388	C/1995 O1	1996 11 21.37125	17 54 56.93	-01 40 25.6	9.7 N	388
C/1995 O1	1996 11 13.37987	17 48 17.79	-02 24 10.1	9.7 N	388	C/1995 O1	1996 11 21.37384	17 54 57.07	-01 40 24.2	9.8 N	388
C/1995 O1	1996 11 13.38131	17 48 17.90	-02 24 09.2	9.7 N	388	C/1995 O1	1996 11 21.37563	17 54 57.18	-01 40 23.3	9.7 N	388
C/1995 O1	1996 11 13.38274	17 48 17.99	-02 24 09.0	9.8 N	388	C/1995 O1	1996 11 22.73090	17 56 10.61	-01 32 08.6	9.0 T	113
C/1995 O1	1996 11 13.38418	17 48 18.03	-02 24 08.6	9.8 N	388	C/1995 O1	1996 11 22.74251	17 56 11.27	-01 32 05.1	9.1 T	113
C/1995 O1	1996 11 13.38559	17 48 18.08	-02 24 08.8	10.0 N	388	C/1995 O1	1996 11 22.74628	17 56 11.45	-01 32 03.9		113
C/1995 O1	1996 11 13.38703	17 48 18.16	-02 24 07.9	10.0 N	388	C/1995 O1	1996 11 22.74975	17 56 11.63	-01 32 02.9		113
C/1995 O1	1996 11 14.37444	17 49 04.53	-02 19 08.0	10.3 N	388	C/1995 O1	1996 11 22.75443	17 56 11.71	-01 32 02.0	8.8 T	113
C/1995 O1	1996 11 14.37764	17 49 04.69	-02 19 05.8	10.3 N	388	C/1995 O1	1996 11 24.35576	17 57 39.51	-01 22 05.7	9.9 N	388
C/1995 O1	1996 11 14.37940	17 49 04.78	-02 19 05.2	10.4 N	388	C/1995 O1	1996 11 24.35808	17 57 39.61	-01 22 04.9	10.3 N	388
C/1995 O1	1996 11 14.38118	17 49 04.85	-02 19 04.4	10.3 N	388	C/1995 O1	1996 11 24.35991	17 57 39.71	-01 22 04.3	9.9 N	388
C/1995 O1	1996 11 14.38296	17 49 04.95	-02 19 03.7	10.3 N	388	C/1995 O1	1996 11 24.36169	17 57 39.80	-01 22 03.8	9.9 N	388
C/1995 O1	1996 11 14.38475	17 49 05.01	-02 19 02.8	10.4 N	388	C/1995 O1	1996 11 24.36347	17 57 39.92	-01 22 03.1	9.9 N	388
C/1995 O1	1996 11 14.38653	17 49 05.10	-02 19 02.7	10.4 N	388	C/1995 O1	1996 11 24.36526	17 57 40.02	-01 22 02.3	9.9 N	388
C/1995 O1	1996 11 14.38829	17 49 05.18	-02 19 02.7	10.3 N	388	C/1995 O1	1996 11 24.36701	17 57 40.11	-01 22 01.3	10.0 N	388
C/1995 O1	1996 11 15.36608	17 49 52.01	-02 13 58.2	9.7 N	388	C/1995 O1	1996 11 24.36880	17 57 40.22	-01 22 00.6	9.9 N	388
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C/1995 O1	1996 11 15.37073	17 49 52.22	-02 13 56.9	9.7 N	388	C/1995 O1	1996 11 25.35603	17 58 35.57	-01 15 40.8	9.5 N	388
C/1995 O1	1996 11 15.37216	17 49 52.29	-02 13 56.3	9.7 N	388	C/1995 O1	1996 11 25.35747	17 58 35.68	-01 15 40.3	9.4 N	388
C/1995 O1	1996 11 15.37360	17 49 52.38	-02 13 55.8	9.7 N	388	C/1995 O1	1996 11 25.35899	17 58 35.74	-01 15 39.8	9.4 N	388
C/1995 O1	1996 11 15.37501	17 49 52.43	-02 13 55.6	9.7 N	388	C/1995 O1	1996 11 25.36043	17 58 35.84	-01 15 39.2	9.5 N	388
C/1995 O1	1996 11 15.37645	17 49 52.40	-02 13 54.9	9.7 N	388	C/1995 O1	1996 11 25.36184	17 58 35.92	-01 15 38.3	9.5 N	388
C/1995 O1	1996 11 16.37006	17 50 40.95	-02 08 39.1	9.2 N	388	C/1995 O1	1996 11 25.36328	17 58 35.98	-01 15 37.9	9.5 N	388
C/1995 O1	1996 11 16.37149	17 50 41.03	-02 08 38.6	9.2 N	388	C/1995 O1	1996 11 25.37739	17 58 36.78	-01 15 32.9	5.5 T	372
C/1995 O1	1996 11 16.37291	17 50 41.08	-02 08 38.4	9.2 N	388	C/1995 O1	1996 11 25.39028	17 58 37.55	-01 15 27.3		372
C/1995 O1	1996 11 16.37432	17 50 41.14	-02 08 37.5	9.6 N	388	C/1995 O1	1996 11 26.56894	17 59 44.74	-01 07 41.9		168
C/1995 O1	1996 11 16.37575	17 50 41.21	-02 08 37.2	9.6 N	388	C/1995 O1	1996 11 26.56986	17 59 44.78	-01 07 45.4		168
C/1995 O1	1996 11 16.37716	17 50 41.30	-02 08 36.4	9.6 N	388	C/1995 O1	1996 11 28.35742	18 01 28.71	-00 55 38.3	9.5 N	388
C/1995 O1	1996 11 16.37860	17 50 41.35	-02 08 36.2	9.6 N	388	C/1995 O1	1996 11 28.36043	18 01 28.90	-00 55 37.2	9.6 N	388
C/1995 O1	1996 11 16.38001	17 50 41.41	-02 08 36.1	9.6 N	388	C/1995 O1	1996 11 28.36189	18 01 28.99	-00 55 36.1	9.5 N	388
C/1995 O1	1996 11 17.36449	17 51 30.18	-02 03 15.9	9.3 N	388	C/1995 O1	1996 11 28.37413	18 01 29.75	-00 55 31.6	5.5 T	372
C/1995 O1	1996 11 17.36674	17 51 30.29	-02 03 15.4	9.4 N	388	C/1995 O1	1996 12 02.34881	18 05 30.24	-00 26 54.0	8.9 N	388
C/1995 O1	1996 11 17.36852	17 51 30.38	-02 03 14.6	9.4 N	388	C/1995 O1	1996 12 02.35003	18 05 30.31	-00 26 53.7	9.0 N	388
C/1995 O1	1996 11 17.37028	17 51 30.49	-02 03 13.7	9.3 N	388	C/1995 O1	1996 12 02.35124	18 05 30.40	-00 26 52.8	9.0 N	388
C/1995 O1	1996 11 17.37206	17 51 30.57	-02 03 13.4	9.2 N	388	C/1995 O1	1996 12 02.35242	18 05 30.48	-00 26 52.2	9.1 N	388
C/1995 O1	1996 11 17.37382	17 51 30.68	-02 03 12.6	9.2 N	388	C/1995 O1	1996 12 02.35362	18 05 30.55	-00 26 51.5	9.1 N	388
C/1995 O1	1996 11 17.37565	17 51 30.75	-02 03 12.4	9.2 N	388	C/1995 O1	1996 12 02.36503	18 05 31.22	-00 26 47.0	5.5 T	372
C/1995 O1	1996 11 17.37748	17 51 30.85	-02 03 11.6	9.2 N	388	C/1995 O1	1996 12 02.36936	18 05 31.47	-00 26 46.1		372

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C/1995 O1	1996 12 03.34480	18 06 32.53	-00 19 20.2	8.4 N	388
C/1995 O1	1996 12 03.34654	18 06 32.63	-00 19 19.4	8.3 N	388
C/1995 O1	1996 12 03.34774	18 06 32.72	-00 19 18.3	8.6 N	388
C/1995 O1	1996 12 03.34892	18 06 32.80	-00 19 18.1	8.6 N	388
C/1995 O1	1996 12 03.35013	18 06 32.87	-00 19 17.5	8.6 N	388
C/1995 O1	1996 12 03.35131	18 06 32.93	-00 19 16.9	8.7 N	388
C/1995 O1	1996 12 08.33895	18 11 57.15	+00 21 08.7	9.2 N	388
C/1995 O1	1996 12 08.33996	18 11 57.23	+00 21 08.8	9.5 N	388
C/1995 O1	1996 12 08.34106	18 11 57.27	+00 21 09.6	9.3 N	388
C/1995 O1	1996 12 12.37535	18 16 34.59	+00 57 15.5		372
C/1995 O1	1996 12 12.38903	18 16 35.50	+00 57 23.9	5.3 T	372
C/1995 O1	1996 12 21.68200	18 28 07.20	+02 33 39.1		1 046
C/1995 O1	1996 12 21.68270	18 28 07.22	+02 33 40.2		1 046
C/1995 O1	1996 12 24.37396	18 31 41.99	+03 05 24.3	4.6 T	372
C/1995 O1	1996 12 28.67890	18 37 40.21	+04 00 15.0		1 046
C/1995 O1	1996 12 28.67956	18 37 40.17	+04 00 16.6		1 046
C/1995 O1	1996 12 28.68021	18 37 40.21	+04 00 16.9		1 046
C/1995 O1	1997 01 16.22328	19 07 29.85	+09 06 30.4		046
C/1995 O1	1997 01 16.22473	19 07 30.01	+09 06 32.3		046
C/1995 O1	1997 01 16.22623	19 07 30.19	+09 06 33.8		046
C/1995 O1	1997 01 19.21644	19 13 05.37	+10 09 00.0		046
C/1995 O1	1997 01 19.21895	19 13 05.68	+10 09 03.9		046
C/1995 O1	1997 01 19.22220	19 13 06.06	+10 09 08.0		046

P/1996 A1 (Jedicke)

P/1996 A1	1996 12 13.85072	12 15 44.51	-08 24 53.2	18.0 T	867
P/1996 A1	1996 12 13.85697	12 15 44.65	-08 24 54.7		867
P/1996 A1	1996 12 17.52504	12 17 29.22	-08 39 59.5	18.1 T	691
P/1996 A1	1996 12 17.53051	12 17 29.35	-08 40 00.6	18.1 T	691
P/1996 A1	1996 12 17.53631	12 17 29.53	-08 40 02.1	18.0 T	691
P/1996 A1	1996 12 21.83570	12 19 21.65	-08 56 42.9	17.8 T	402
P/1996 A1	1996 12 21.84074	12 19 21.78	-08 56 44.9		402
P/1996 A1	1996 12 21.84459	12 19 21.88	-08 56 46.0		402
P/1996 A1	1996 12 21.85419	12 19 22.10	-08 56 47.9		402
P/1996 A1	1997 01 11.78038	12 25 26.82	-09 59 56.3	17.7 T	360
P/1996 A1	1997 01 11.79410	12 25 27.02	-09 59 57.9		360
P/1996 A1	1997 01 19.83559	12 26 20.60	-10 15 10.5	17.9 T	360
P/1996 A1	1997 01 19.84063	12 26 20.65	-10 15 11.6		360

C/1996 N1 (Brewington)

C/1996 N1	1996 11 03.87517	21 10 28.31	+47 21 37.0		2 118
C/1996 N1	1996 11 03.88919	21 10 32.05	+47 21 11.2		2 118

C/1996 P2 (Russell-Watson)

C/1996 P2	1996 11 06.56807	00 58 57.14	-33 58 38.6		897
C/1996 P2	1996 11 06.57733	00 58 57.02	-33 58 34.6		897
C/1996 P2	1996 11 06.58659	00 58 56.73	-33 58 30.5		897
C/1996 P2	1996 11 13.60854	00 56 46.83	-33 02 21.6		897
C/1996 P2	1996 11 13.61360	00 56 46.62	-33 02 18.5		897
C/1996 P2	1996 11 15.51062	00 56 21.22	-32 45 54.6	15.7 T	897
C/1996 P2	1996 11 15.54890	00 56 20.70	-32 45 35.0		897
C/1996 P2	1996 12 08.43602	00 56 17.47	-29 00 13.5		900
C/1996 P2	1996 12 14.52532	00 57 44.04	-27 55 00.4		421

C/1996 P2	1996 12 14.52781	00 57 44.07	-27 54 58.7		421
C/1996 P2	1996 12 14.53080	00 57 44.10	-27 54 56.3	16.1 T	421
C/1996 P2	1996 12 27.74318	01 02 38.13	-25 31 03.6		046
C/1996 P2	1996 12 27.74578	01 02 38.22	-25 31 01.3		046
C/1996 P2	1996 12 27.75046	01 02 38.27	-25 30 59.4		046
C/1996 P2	1996 12 28.44618	01 02 57.42	-25 23 24.1	15.6 T	360
C/1996 P2	1996 12 28.44948	01 02 57.51	-25 23 22.0		360
C/1996 P2	1996 12 28.73841	01 03 05.59	-25 20 12.7		046
C/1996 P2	1996 12 28.74340	01 03 05.68	-25 20 08.6		046
C/1996 P2	1996 12 28.74785	01 03 05.82	-25 20 06.1		046

C/1996 R1 (Hergenrother-Spahr)

C/1996 R1	1996 10 16.57284	20 53 26.34	-04 48 38.3	15.2 T	897
C/1996 R1	1996 10 16.58694	20 53 24.79	-04 49 15.1	15.1 T	897
C/1996 R1	1996 11 06.43273	20 31 35.71	-15 19 58.7		897
C/1996 R1	1996 11 06.43968	20 31 35.45	-15 20 05.0		897
C/1996 R1	1996 11 15.40949	20 29 03.60	-17 57 19.3	16.8 T	897
C/1996 R1	1996 11 15.41991	20 29 03.42	-17 57 29.7		897

P/1996 R2 (Lagerkvist)

P/1996 R2	1996 10 16.59586	22 21 53.49	-13 12 20.7	17.2 T	897
P/1996 R2	1996 10 16.61669	22 21 53.53	-13 12 18.6	16.9 T	897
P/1996 R2	1996 10 20.58152	22 22 08.27	-13 04 40.1	16.6 T	897
P/1996 R2	1996 10 20.58730	22 22 08.41	-13 04 40.4		897
P/1996 R2	1996 12 28.43472	23 16 42.75	-06 03 38.7	17.2 T	360
P/1996 R2	1996 12 28.44010	23 16 43.15	-06 03 35.3		360
P/1996 R2	1996 12 30.42433	23 19 17.23	-05 45 18.6	17.4 T	867
P/1996 R2	1996 12 30.43093	23 19 17.74	-05 45 14.8		867
P/1996 R2	1996 12 30.43718	23 19 18.23	-05 45 11.6		867

C/1997 A1 (NEAT)

C/1997 A1	1997 01 09.65247	09 40 54.40	+16 09 29.4	18.5 T	3 411
C/1997 A1	1997 01 09.67270	09 40 51.96	+16 09 52.0		3 411
C/1997 A1	1997 01 10.51495	09 39 18.96	+16 26 18.9	18.6 T	566
C/1997 A1	1997 01 10.52334	09 39 17.97	+16 26 28.9	18.8 T	566
C/1997 A1	1997 01 10.53174	09 39 17.04	+16 26 38.6	18.9 T	566
C/1997 A1	1997 01 11.33935	09 37 46.18	+16 42 31.0	18.9 T	673
C/1997 A1	1997 01 11.34959	09 37 45.11	+16 42 43.9		673
C/1997 A1	1997 01 11.38658	09 37 40.78	+16 43 27.4	18.9 T	566
C/1997 A1	1997 01 11.39499	09 37 39.83	+16 43 37.3	18.7 T	566
C/1997 A1	1997 01 11.40340	09 37 38.85	+16 43 46.6	18.7 T	566
C/1997 A1	1997 01 11.61977	09 37 13.96	+16 48 03.6	18.2 T	566
C/1997 A1	1997 01 11.63025	09 37 12.75	+16 48 16.3	18.5 T	566
C/1997 A1	1997 01 11.63868	09 37 11.67	+16 48 25.7	18.2 T	566
C/1997 A1	1997 01 11.79278	09 36 54.17	+16 51 30.2		327
C/1997 A1	1997 01 11.79751	09 36 53.65	+16 51 34.7	19.4 T	327
C/1997 A1	1997 01 11.80222	09 36 53.07	+16 51 40.8		327
C/1997 A1	1997 01 11.80696	09 36 52.48	+16 51 46.3		327
C/1997 A1	1997 01 12.44963	09 35 38.41	+17 04 33.5	18.6 T	566
C/1997 A1	1997 01 12.45994	09 35 37.05	+17 04 47.0	19.2 T	566
C/1997 A1	1997 01 12.47042	09 35 35.91	+17 04 58.7	18.7 T	566
C/1997 A1	1997 01 12.57534	09 35 23.79	+17 07 02.1	18.4 T	367
C/1997 A1	1997 01 12.58014	09 35 23.25	+17 07 08.9		367
C/1997 A1	1997 01 12.58494	09 35 22.68	+17 07 15.0		367

C/1997 A1	1997 01 12.58889	09 35 22.21	+17 07 19.8	18.5 T	402	C/1997 A1	1997 01 15.46850	09 29 36.21	+18 05 35.8	19.1 T	566
C/1997 A1	1997 01 12.59306	09 35 21.70	+17 07 24.5		402	C/1997 A1	1997 01 15.47693	09 29 35.21	+18 05 46.4	18.7 T	566
C/1997 A1	1997 01 12.59722	09 35 21.20	+17 07 30.0		402	C/1997 A1	1997 01 15.48770	09 29 33.96	+18 05 59.0	18.6 T	566
C/1997 A1	1997 01 12.84595	09 34 52.11	+17 12 26.5		4 587	C/1997 A1	1997 01 15.62320	09 29 16.92	+18 08 45.2	18.3 T	566
C/1997 A1	1997 01 12.85747	09 34 50.85	+17 12 40.8		587	C/1997 A1	1997 01 15.62507	09 29 16.67	+18 08 47.5	18.2 T	566
C/1997 A1	1997 01 12.91464	09 34 44.08	+17 13 49.2	18.5 T	046	C/1997 A1	1997 01 15.63513	09 29 15.45	+18 08 59.4	18.1 T	566
C/1997 A1	1997 01 12.91691	09 34 43.72	+17 13 52.7		046	C/1997 A1	1997 01 15.63705	09 29 15.15	+18 09 01.6	18.1 T	566
C/1997 A1	1997 01 12.91902	09 34 43.40	+17 13 55.9		046	C/1997 A1	1997 01 15.64366	09 29 14.37	+18 09 10.4	18.6 T	566
C/1997 A1	1997 01 12.92096	09 34 43.33	+17 13 57.7		046	C/1997 A1	1997 01 15.64574	09 29 14.10	+18 09 12.9	18.3 T	566
C/1997 A1	1997 01 12.92786	09 34 42.36	+17 14 07.2		046	C/1997 A1	1997 01 15.68750	09 29 09.20	+18 10 03.1	17.2 T	402
C/1997 A1	1997 01 13.46442	09 33 39.01	+17 24 54.4	18.2 T	566	C/1997 A1	1997 01 15.69097	09 29 08.72	+18 10 07.8		402
C/1997 A1	1997 01 13.47283	09 33 38.00	+17 25 04.2	18.1 T	566	C/1997 A1	1997 01 15.69514	09 29 08.21	+18 10 13.0		402
C/1997 A1	1997 01 13.48124	09 33 36.98	+17 25 14.1	18.3 T	566	C/1997 A1	1997 01 15.76493	09 28 59.44	+18 11 38.9		360
C/1997 A1	1997 01 13.55558	09 33 28.35	+17 26 42.6		867	C/1997 A1	1997 01 15.76944	09 28 58.89	+18 11 44.3		360
C/1997 A1	1997 01 13.56218	09 33 27.50	+17 26 51.0		867	C/1997 A1	1997 01 15.77431	09 28 58.29	+18 11 50.1		360
C/1997 A1	1997 01 13.56773	09 33 26.79	+17 26 58.2		867	C/1997 A1	1997 01 16.10315	09 28 17.34	+18 18 34.6	17.7 T	046
C/1997 A1	1997 01 13.64462	09 33 17.62	+17 28 32.0		900	C/1997 A1	1997 01 16.10902	09 28 16.59	+18 18 41.9		046
C/1997 A1	1997 01 13.66438	09 33 15.17	+17 28 55.9		900	C/1997 A1	1997 01 16.11225	09 28 16.21	+18 18 45.9		046
C/1997 A1	1997 01 13.67892	09 33 13.38	+17 29 14.3		897	C/1997 A1	1997 01 16.60000	09 27 15.18	+18 28 48.0	17.0 T	402
C/1997 A1	1997 01 13.69010	09 33 12.14	+17 29 27.3	17.2 T	360	C/1997 A1	1997 01 16.60764	09 27 14.21	+18 28 57.7		402
C/1997 A1	1997 01 13.69300	09 33 11.81	+17 29 29.9		897	C/1997 A1	1997 01 16.61180	09 27 13.67	+18 29 02.8		402
C/1997 A1	1997 01 13.69368	09 33 11.64	+17 29 34.3	18.4 T	422	C/1997 A1	1997 01 16.94789	09 26 31.23	+18 35 57.0		108
C/1997 A1	1997 01 13.69705	09 33 11.30	+17 29 35.9		360	C/1997 A1	1997 01 18.79149	09 22 33.38	+19 14 13.6	17.2 T	360
C/1997 A1	1997 01 13.70028	09 33 10.88	+17 29 42.9	18.5 T	422	C/1997 A1	1997 01 18.79583	09 22 32.82	+19 14 19.0		360
C/1997 A1	1997 01 13.70093	09 33 10.81	+17 29 40.9	17.7 T	897	2P/Encke					
C/1997 A1	1997 01 13.70330	09 33 10.52	+17 29 43.0		360	2P	1996 12 28.40330	23 01 28.07	+01 00 07.4	19.2 T	360
C/1997 A1	1997 01 13.70562	09 33 10.22	+17 29 48.1	18.5 T	422	2P	1996 12 28.41528	23 01 28.51	+01 00 09.2		360
C/1997 A1	1997 01 14.08245	09 32 25.10	+17 37 22.2	17.8 T	046	2P	1996 12 30.45558	23 02 53.87	+01 06 35.3	19.3 T	867
C/1997 A1	1997 01 14.08608	09 32 24.67	+17 37 26.6		046	2P	1996 12 30.46461	23 02 54.27	+01 06 37.1		867
C/1997 A1	1997 01 14.08823	09 32 24.38	+17 37 29.2		046	2P	1996 12 30.47225	23 02 54.60	+01 06 40.0		867
C/1997 A1	1997 01 14.10635	09 32 22.17	+17 37 51.1		557	22P/Kopff					
C/1997 A1	1997 01 14.10951	09 32 21.80	+17 37 55.0	17.9 N	557	22P	1996 10 20.44472	21 07 09.97	-21 06 58.5		897
C/1997 A1	1997 01 14.11243	09 32 21.43	+17 37 58.5	16.9 T	557	22P	1996 10 20.45167	21 07 10.67	-21 06 55.5		897
C/1997 A1	1997 01 14.54427	09 31 29.24	+17 46 44.8	18.2 T	566	22P	1996 11 15.46749	21 53 13.93	-17 25 35.9		897
C/1997 A1	1997 01 14.55267	09 31 28.25	+17 46 55.0	18.2 T	566	22P	1996 11 15.47443	21 53 14.69	-17 25 32.1		897
C/1997 A1	1997 01 14.56109	09 31 27.19	+17 47 06.0	18.1 T	566	22P	1996 11 15.47791	21 53 15.12	-17 25 28.7		897
C/1997 A1	1997 01 14.96480	09 30 38.17	+17 55 16.2		595	22P	1996 12 13.90213	22 43 02.82	-12 33 59.8	17.9 N	954
C/1997 A1	1997 01 14.97516	09 30 36.90	+17 55 28.9		595	22P	1996 12 13.90784	22 43 03.40	-12 33 56.8	17.5 N	954
C/1997 A1	1997 01 15.05873	09 30 26.61	+17 57 11.8	17.8 T	1 118	22P	1996 12 14.39250	22 43 53.72	-12 28 43.4	15.6 T	421
C/1997 A1	1997 01 15.06181	09 30 26.21	+17 57 15.4		1 118	22P	1996 12 14.39464	22 43 53.92	-12 28 41.7		421
C/1997 A1	1997 01 15.06903	09 30 25.34	+17 57 24.8		1 118	22P	1996 12 14.40453	22 43 54.91	-12 28 34.8		421
C/1997 A1	1997 01 15.08287	09 30 23.64	+17 57 40.5	17.0 T	966	22P	1996 12 19.84154	22 53 15.57	-11 29 25.2		954
C/1997 A1	1997 01 15.08780	09 30 23.00	+17 57 46.8		966	22P	1996 12 19.90264	22 53 21.81	-11 28 43.8		954
C/1997 A1	1997 01 15.09020	09 30 22.82	+17 57 50.6		966	22P	1996 12 21.46941	22 56 02.72	-11 11 33.1		422
C/1997 A1	1997 01 15.09236	09 30 22.53	+17 57 53.8		966	22P	1996 12 21.47179	22 56 03.02	-11 11 31.0		422
C/1997 A1	1997 01 15.16380	09 30 13.64	+17 59 20.4	17.9 T	046	22P	1996 12 21.68926	22 56 25.44	-11 09 11.6	16.0 T	5 046
C/1997 A1	1997 01 15.16507	09 30 13.50	+17 59 22.0		046	22P	1996 12 21.69366	22 56 25.94	-11 09 08.6		5 046
C/1997 A1	1997 01 15.16728	09 30 13.23	+17 59 25.1		046	22P	1996 12 21.69561	22 56 26.05	-11 09 09.1		5 046
C/1997 A1	1997 01 15.17091	09 30 12.74	+17 59 29.3		046	22P	1996 12 21.71539	22 56 28.11	-11 08 55.4		118
C/1997 A1	1997 01 15.41022	09 29 43.42	+18 04 22.5		658	22P	1996 12 21.72971	22 56 29.57	-11 08 46.2		118
C/1997 A1	1997 01 15.41623	09 29 42.65	+18 04 29.3		658	22P	1996 12 27.72117	23 06 41.08	-10 02 45.7		046
C/1997 A1	1997 01 15.42234	09 29 41.88	+18 04 36.8		658						

22P	1996 12 27.72266	23 06 41.23	-10 02 43.9		046
22P	1996 12 27.72417	23 06 41.39	-10 02 43.4		046
22P	1996 12 27.72758	23 06 41.65	-10 02 42.1		118
22P	1996 12 27.73247	23 06 42.14	-10 02 39.4	16.7 T	118
22P	1996 12 29.72741	23 10 04.65	-09 40 33.5		118
22P	1996 12 29.73359	23 10 05.29	-09 40 29.3	16.0 T	118
22P	1997 01 09.85188	23 28 43.89	-07 36 52.4	17.5 N	954
22P	1997 01 09.87606	23 28 46.30	-07 36 36.3	17.3 N	954
22P	1997 01 10.86603	23 30 25.15	-07 25 35.8	18.7 N	954
22P	1997 01 10.87544	23 30 26.12	-07 25 30.1	20.1 N	954
22P	1997 01 10.88273	23 30 26.85	-07 25 25.1	19.8 N	954
22P	1997 01 12.41858	23 32 59.81	-07 08 20.8	14.3 T	360
22P	1997 01 12.42153	23 33 00.11	-07 08 19.1		360
22P	1997 01 12.74264	23 33 32.09	-07 04 44.9		118
22P	1997 01 12.75208	23 33 33.00	-07 04 38.3	16.8 T	118
22P	1997 01 17.86689	23 42 00.19	-06 07 45.5		954
22P	1997 01 17.87538	23 42 00.80	-06 07 42.9		954

26P/Grigg-Skjellerup

26P	1997 01 17.18877	04 45 47.49	-01 41 13.3	20.7 T	691
26P	1997 01 17.20830	04 45 46.59	-01 41 11.2	20.9 T	691
26P	1997 01 17.23353	04 45 45.39	-01 41 08.8	20.8 T	691

29P/Schwassmann-Wachmann 1

29P	1988 09 12.25417	22 00 21.95	-08 05 03.7	16.5 T	6 675
29P	1988 09 12.28837	22 00 21.05	-08 05 06.9		675
29P	1996 11 13.84306	11 55 51.26	-05 47 16.6	12.8 T	360
29P	1996 11 13.84635	11 55 51.36	-05 47 17.4		360
29P	1996 12 21.77982	12 10 29.62	-08 14 16.5	15.1 T	402
29P	1996 12 21.78547	12 10 29.69	-08 14 17.8		402
29P	1996 12 21.80208	12 10 29.82	-08 14 20.0		402
29P	1996 12 28.15230	12 11 49.16	-08 33 05.9		118
29P	1996 12 28.16160	12 11 49.25	-08 33 07.0	16.5 T	118
29P	1997 01 08.17858	12 13 11.94	-09 00 26.4		118
29P	1997 01 08.18608	12 13 11.96	-09 00 26.8		118
29P	1997 01 10.80836	12 13 20.92	-09 05 53.4	15.7 T	355
29P	1997 01 10.81186	12 13 20.99	-09 05 54.1		355
29P	1997 01 11.76927	12 13 23.21	-09 07 46.9	13.2 T	360
29P	1997 01 11.77274	12 13 23.23	-09 07 47.6	17.2 N	360
29P	1997 01 12.10216	12 13 23.87	-09 08 25.2		118
29P	1997 01 12.11959	12 13 23.91	-09 08 27.7	16.2 T	118
29P	1997 01 13.81667	12 13 26.05	-09 11 36.8	13.4 T	360
29P	1997 01 13.82101	12 13 26.06	-09 11 37.3	17.0 N	360
29P	1997 01 18.81736	12 13 22.24	-09 19 49.2	17.1 N	360
29P	1997 01 19.82639	12 13 19.55	-09 21 16.2	13.0 T	360
29P	1997 01 19.83056	12 13 19.53	-09 21 16.5		360

32P/Comas Solá

32P	1997 01 18.86198	14 12 55.87	-02 05 31.7	16.8 T	360
32P	1997 01 18.86892	14 12 56.17	-02 05 33.0		360

46P/Wirtanen

46P	1996 12 27.39586	22 32 44.39	-19 21 49.1	15.1 T	867
46P	1996 12 27.40211	22 32 45.22	-19 21 41.8		867

46P	1996 12 28.38646	22 34 57.34	-19 04 15.9	14.3 T	360
46P	1996 12 28.38924	22 34 57.70	-19 04 13.2		360
46P	1997 01 09.83844	23 04 24.20	-15 04 32.1		954
46P	1997 01 09.84067	23 04 24.51	-15 04 29.4		954
46P	1997 01 09.84292	23 04 24.87	-15 04 26.3		954
46P	1997 01 10.82762	23 06 51.89	-14 43 55.2	17.6 N	954
46P	1997 01 10.83718	23 06 53.39	-14 43 42.4	18.3 N	954
46P	1997 01 10.84608	23 06 54.65	-14 43 31.4	18.3 N	954
46P	1997 01 10.85361	23 06 55.66	-14 43 22.7	18.3 N	954
46P	1997 01 12.39670	23 10 48.62	-14 10 44.1	13.4 T	360
46P	1997 01 12.39983	23 10 49.07	-14 10 40.2		360

57P/du Toit-Neujmin-Delporte

57P	1996 10 20.60179	02 27 57.56	+12 32 12.3		897
57P	1996 10 20.60844	02 27 57.18	+12 32 10.5		897
57P	1996 10 20.61285	02 27 57.02	+12 32 08.1		897
57P	1997 01 09.48142	02 03 26.89	+10 13 40.3	18.1 T	360
57P	1997 01 12.43767	02 05 03.55	+10 23 08.9	18.0 T	360
57P	1997 01 12.44427	02 05 03.87	+10 23 09.8		360

81P/Wild 2

81P	1996 11 06.64789	07 58 48.53	+17 49 01.9		897
81P	1996 11 06.65269	07 58 48.84	+17 49 01.1	13.9 T	897
81P	1996 11 06.65696	07 58 49.06	+17 49 00.5		897
81P	1996 12 09.33285	08 21 25.99	+16 37 14.3		801
81P	1996 12 09.36459	08 21 26.50	+16 37 13.0		801
81P	1996 12 12.74097	08 22 16.47	+16 35 40.8		7 867
81P	1996 12 12.74375	08 22 16.50	+16 35 40.9	12.9 T	7 867
81P	1996 12 13.99630	08 22 30.17	+16 35 27.6	14.9 N	954
81P	1996 12 14.11154	08 22 31.02	+16 35 28.0	14.9 N	954
81P	1996 12 14.12402	08 22 31.11	+16 35 28.0	14.4 N	954
81P	1996 12 17.06949	08 22 50.51	+16 35 54.6	12.5 T	046
81P	1996 12 17.07118	08 22 50.51	+16 35 54.7		046
81P	1996 12 17.07235	08 22 50.50	+16 35 54.7		046
81P	1996 12 18.63767	08 22 54.65	+16 36 42.7	14 T	372
81P	1996 12 18.99031	08 22 55.01	+16 36 55.8	14.8 N	954
81P	1996 12 19.01012	08 22 54.98	+16 36 56.8	15.0 N	954
81P	1996 12 19.04830	08 22 54.92	+16 36 58.6	15.0 N	954
81P	1996 12 19.67881	08 22 54.59	+16 37 26.0		900
81P	1996 12 19.94811	08 22 54.60	+16 37 37.3	14.5 N	954
81P	1996 12 20.07688	08 22 54.17	+16 37 44.8	14.5 N	954
81P	1996 12 20.17155	08 22 53.74	+16 37 49.7	14.5 N	954
81P	1996 12 20.60837	08 22 53.12	+16 38 12.2		355
81P	1996 12 20.61065	08 22 53.11	+16 38 12.1		355
81P	1996 12 21.77514	08 22 48.43	+16 39 22.0		372
81P	1996 12 21.92557	08 22 48.04	+16 39 29.7		612
81P	1996 12 21.96436	08 22 47.81	+16 39 32.1		612
81P	1996 12 21.99226	08 22 47.58	+16 39 36.1	13.0 T	605
81P	1996 12 22.00278	08 22 47.51	+16 39 37.1	13.0 T	605
81P	1996 12 22.01198	08 22 47.47	+16 39 37.3	13.0 T	605
81P	1996 12 22.02659	08 22 47.34	+16 39 38.7	13.0 T	605
81P	1996 12 23.96534	08 22 33.70	+16 42 06.8	13.2 T	605
81P	1996 12 23.97742	08 22 33.57	+16 42 08.3	13.2 T	605

81P	1996 12 28.04260	08 21 41.54	+16 49 15.2		118	81P	1997 01 16.17726	08 11 12.48	+17 57 04.2	13.5 N	954
81P	1996 12 28.05282	08 21 41.33	+16 49 16.7	12.0 T	118	81P	1997 01 16.23131	08 11 09.86	+17 57 19.1	13.5 N	954
81P	1996 12 28.98637	08 21 25.16	+16 51 19.3	12.1 T	605	81P	1997 01 16.25014	08 11 08.96	+17 57 24.3	13.5 N	954
81P	1996 12 29.00363	08 21 24.84	+16 51 22.3	12.2 T	104	81P	1997 01 16.58333	08 10 54.25	+17 59 01.4	11.5 T	402
81P	1996 12 29.00752	08 21 24.76	+16 51 22.1	12.3 T	605	81P	1997 01 16.58611	08 10 54.11	+17 59 02.1		402
81P	1996 12 29.01318	08 21 24.68	+16 51 23.5		104	81P	1997 01 16.59167	08 10 53.84	+17 59 03.9		402
81P	1996 12 29.02203	08 21 24.44	+16 51 24.7		104	81P	1997 01 17.00873	08 10 34.40	+18 01 06.7	13.5 N	954
81P	1996 12 29.38593	08 21 17.47	+16 52 15.3	14.2 T	689	81P	1997 01 17.02260	08 10 33.70	+18 01 10.8	13.5 N	954
81P	1996 12 29.49228	08 21 15.92	+16 52 28.3		355	81P	1997 01 17.03648	08 10 32.99	+18 01 15.0	13.5 N	954
81P	1996 12 29.49568	08 21 15.89	+16 52 29.6		355	81P	1997 01 17.04913	08 10 32.36	+18 01 18.6	13.5 N	954
81P	1996 12 30.38297	08 20 57.61	+16 54 37.1	14.0 T	689	81P	1997 01 17.64342	08 10 04.30	+18 04 13.2	11.2 T	900
81P	1996 12 30.69897	08 20 50.81	+16 55 24.5	11.6 T	900	81P	1997 01 17.65277	08 10 03.82	+18 04 16.8		900
81P	1996 12 30.71056	08 20 50.63	+16 55 26.1	11.7 T	900	81P	1997 01 17.96737	08 09 49.24	+18 05 50.5	14.3 N	954
81P	1997 01 02.58797	08 19 41.37	+17 03 20.1		355	81P	1997 01 17.98826	08 09 48.18	+18 05 56.9	14.2 N	954
81P	1997 01 02.59413	08 19 41.19	+17 03 21.4		355	81P	1997 01 18.00767	08 09 47.18	+18 06 03.0	14.2 N	954
81P	1997 01 03.90830	08 19 04.77	+17 07 23.1	13.5 N	954	91P/Russell 3					
81P	1997 01 03.96537	08 19 03.01	+17 07 34.5	13.8 N	954	91P	1996 12 21.80766	11 37 38.21	-13 43 43.1	20.2 T	402
81P	1997 01 07.88542	08 16 55.67	+17 21 14.0	11.9 T	605	91P	1996 12 21.81915	11 37 38.71	-13 43 48.8		402
81P	1997 01 07.89745	08 16 55.18	+17 21 17.3	11.9 T	605	91P	1996 12 21.82570	11 37 38.80	-13 43 52.9		402
81P	1997 01 08.13491	08 16 46.10	+17 22 10.2	11.7 T	118	94P/Russell 4					
81P	1997 01 09.92715	08 15 39.86	+17 29 14.6	13.6 N	954	94P	1996 12 13.82711	11 42 47.58	+09 06 12.7		867
81P	1997 01 09.92937	08 15 39.77	+17 29 15.2	13.7 N	954	94P	1996 12 13.83336	11 42 48.11	+09 06 10.2		867
81P	1997 01 09.94753	08 15 39.00	+17 29 20.0	13.5 N	954	94P	1996 12 13.83961	11 42 48.60	+09 06 08.3	16.7 T	867
81P	1997 01 10.03789	08 15 35.26	+17 29 42.7	13.7 N	954	94P	1996 12 18.48119	11 49 02.55	+08 40 40.8	18.4 T	691
81P	1997 01 10.09898	08 15 32.68	+17 29 57.8	13.6 N	954	94P	1996 12 18.48536	11 49 02.85	+08 40 39.5	18.4 T	691
81P	1997 01 10.93468	08 15 00.14	+17 33 24.2	13.5 N	954	94P	1996 12 18.48983	11 49 03.18	+08 40 38.0	18.2 T	691
81P	1997 01 10.96310	08 14 58.93	+17 33 31.7	13.4 N	954	94P	1996 12 21.74058	11 53 14.48	+08 24 10.3	16.3 T	402
81P	1997 01 11.01670	08 14 56.63	+17 33 45.7	13.5 N	954	94P	1996 12 21.74471	11 53 14.78	+08 24 09.2		402
81P	1997 01 11.09597	08 14 53.17	+17 34 06.1	13.5 N	954	94P	1996 12 21.80222	11 53 19.07	+08 23 53.9	19 N	372
81P	1997 01 11.66597	08 14 30.04	+17 36 30.8	11.0 T	360	94P	1997 01 10.84014	12 15 09.22	+07 12 20.3		355
81P	1997 01 11.67049	08 14 29.84	+17 36 32.0		360	94P	1997 01 10.84617	12 15 09.58	+07 12 20.3		355
81P	1997 01 11.94547	08 14 18.53	+17 37 39.6		118	94P	1997 01 13.75382	12 17 39.88	+07 06 46.5	17.3 T	900
81P	1997 01 11.95281	08 14 18.23	+17 37 41.6	11.5 T	118	94P	1997 01 13.76964	12 17 40.65	+07 06 44.6	17.4 T	900
81P	1997 01 13.08850	08 13 30.07	+17 42 42.1		118	94P	1997 01 18.87552	12 21 35.88	+07 00 11.4	17.0 T	360
81P	1997 01 13.09848	08 13 29.63	+17 42 45.3		118	94P	1997 01 18.88021	12 21 36.10	+07 00 11.0		360
81P	1997 01 13.60825	08 13 08.09	+17 45 04.7		900	100P/Hartley 1					
81P	1997 01 13.61754	08 13 07.65	+17 45 07.3		900	100P	1997 01 12.17090	13 24 07.20	+21 04 06.6	1	118
81P	1997 01 14.05186	08 12 48.65	+17 47 06.4	13.5 N	954	100P	1997 01 12.19211	13 24 08.82	+21 04 02.8	1	118
81P	1997 01 14.06248	08 12 48.15	+17 47 09.3	13.5 N	954	100P	1997 01 13.14838	13 25 22.23	+21 00 53.7		1 118
81P	1997 01 14.10072	08 12 46.33	+17 47 19.7	13.5 N	954	100P	1997 01 13.15624	13 25 22.81	+21 00 52.0	19.5 T	1 118
81P	1997 01 15.02351	08 12 05.27	+17 51 33.9	12.8 T	118	100P	1997 01 16.67917	13 29 44.81	+20 49 58.2	19.0 T	402
81P	1997 01 15.03654	08 12 04.66	+17 51 38.1		118	100P	1997 01 16.68611	13 29 45.34	+20 49 56.9		402
81P	1997 01 15.92735	08 11 24.49	+17 55 50.1	10.2 T	046	100P	1997 01 16.69167	13 29 45.79	+20 49 56.0		402
81P	1997 01 15.93019	08 11 24.35	+17 55 50.9		046	100P	1997 01 18.84983	13 32 19.05	+20 43 46.5	19.1 T	360
81P	1997 01 15.93852	08 11 23.95	+17 55 53.3		046	100P	1997 01 18.85538	13 32 19.36	+20 43 46.7		360
81P	1997 01 15.94336	08 11 23.76	+17 55 57.3	11.3 T	605	100P	1997 01 19.86927	13 33 29.72	+20 41 01.5	19.1 T	360
81P	1997 01 15.95958	08 11 23.00	+17 56 02.1	11.4 T	605	100P	1997 01 19.87483	13 33 30.02	+20 41 01.1		360
81P	1997 01 15.97440	08 11 22.26	+17 56 05.8	11.4 T	605	111P/Helin-Roman-Crockett					
81P	1997 01 15.97477	08 11 22.18	+17 56 03.8		108	111P	1997 01 16.34831	07 43 44.16	+23 34 50.5	20.2 T	691
81P	1997 01 16.01782	08 11 20.12	+17 56 15.8		108	111P	1997 01 16.41457	07 43 41.12	+23 35 00.9		691
81P	1997 01 16.13764	08 11 14.42	+17 56 53.1	13.5 N	954						
81P	1997 01 16.15638	08 11 13.50	+17 56 58.4	13.5 N	954						

111P	1997 01 16.54583	07 43 35.61	+23 35 22.1	18.8 T	402
111P	1997 01 16.55347	07 43 35.27	+23 35 23.5		402
111P	1997 01 16.55764	07 43 35.02	+23 35 25.2		402

118P/Shoemaker-Levy 4

118P	1996 10 16.69881	05 35 13.07	+10 54 03.9		897
118P	1996 10 16.70476	05 35 13.34	+10 54 02.2		897
118P	1996 11 06.61369	05 44 42.96	+09 14 50.3		897
118P	1996 11 06.61969	05 44 42.97	+09 14 48.4	13.5 T	897
118P	1996 11 06.62869	05 44 43.04	+09 14 45.9		897
118P	1996 12 09.21130	05 34 08.31	+07 53 32.7		801
118P	1996 12 09.22795	05 34 07.61	+07 53 33.2		801
118P	1996 12 16.91123	05 28 51.36	+08 03 29.8	13.7 T	046
118P	1996 12 16.91345	05 28 51.26	+08 03 30.1		046
118P	1996 12 16.91468	05 28 51.21	+08 03 30.3		046
118P	1996 12 18.57557	05 27 42.51	+08 07 26.9	13.3 T	900
118P	1996 12 18.58839	05 27 41.96	+08 07 28.9	13.4 T	900
118P	1996 12 18.66875	05 27 38.48	+08 07 42.2		372
118P	1996 12 18.67743	05 27 38.00	+08 07 43.7	14.5 T	372
118P	1996 12 19.61456	05 26 59.83	+08 10 13.4	13.5 T	355
118P	1996 12 19.62080	05 26 59.56	+08 10 14.3		355
118P	1996 12 20.58879	05 26 20.34	+08 13 02.7		355
118P	1996 12 20.59104	05 26 20.26	+08 13 02.5		355
118P	1996 12 21.99081	05 25 24.15	+08 17 25.5	14.5 T	046
118P	1996 12 21.99228	05 25 24.07	+08 17 25.7		046
118P	1996 12 21.99350	05 25 24.04	+08 17 25.9		046
118P	1996 12 27.87734	05 21 43.89	+08 40 34.6	13.7 T	118
118P	1996 12 27.94382	05 21 41.41	+08 40 53.9		595
118P	1996 12 27.95281	05 21 41.08	+08 40 55.9		595
118P	1996 12 28.91620	05 21 08.17	+08 45 24.0		046
118P	1996 12 28.91860	05 21 08.10	+08 45 24.6		046
118P	1996 12 28.91970	05 21 08.06	+08 45 24.9		046
118P	1996 12 30.54181	05 20 14.93	+08 53 25.1	13.4 T	900
118P	1996 12 30.56176	05 20 14.22	+08 53 30.4	13.3 T	900
118P	1996 12 30.58196	05 20 13.52	+08 53 36.2		355
118P	1996 12 30.58494	05 20 13.42	+08 53 37.1	13.6 T	355
118P	1997 01 02.51410	05 18 46.07	+09 09 15.3		355
118P	1997 01 02.51823	05 18 45.96	+09 09 16.6		355
118P	1997 01 07.82401	05 16 39.40	+09 41 16.5		595
118P	1997 01 07.83515	05 16 39.22	+09 41 20.8	13.7 T	605
118P	1997 01 07.83602	05 16 39.14	+09 41 21.1		595
118P	1997 01 07.84575	05 16 39.00	+09 41 25.0	13.7 T	605
118P	1997 01 07.85527	05 16 38.81	+09 41 29.0	13.6 T	605
118P	1997 01 11.55677	05 15 38.60	+10 06 19.9	12.6 T	360
118P	1997 01 11.56059	05 15 38.54	+10 06 21.5		360
118P	1997 01 13.58155	05 15 16.41	+10 20 39.6	13.3 T	900
118P	1997 01 13.59085	05 15 16.30	+10 20 43.3		900
118P	1997 01 15.88236	05 15 01.14	+10 37 27.7	13.6 T	605
118P	1997 01 15.89567	05 15 01.04	+10 37 33.6	13.6 T	605

119P/Parker-Hartley

119P	1996 12 10.30892	07 18 46.79	+17 58 12.1		801
119P	1996 12 10.34098	07 18 45.82	+17 58 09.8		801

119P	1996 12 14.58010	07 16 24.63	+17 54 40.1	15.0 T	421
119P	1996 12 14.58934	07 16 24.32	+17 54 39.3		421
119P	1996 12 14.59343	07 16 24.16	+17 54 39.4		421
119P	1996 12 14.62998	07 16 22.51	+17 54 38.5	16.9 T	896
119P	1996 12 14.65938	07 16 21.84	+17 54 36.0		896
119P	1996 12 18.65833	07 13 52.88	+17 52 09.2	17.7 T	372
119P	1996 12 19.60156	07 13 16.18	+17 51 33.6		355
119P	1996 12 19.60618	07 13 16.03	+17 51 33.4	16.0 T	355
119P	1996 12 19.64523	07 13 14.50	+17 51 32.3	15.6 T	900
119P	1996 12 27.93959	07 07 26.70	+17 48 41.1		118
119P	1996 12 27.95030	07 07 26.20	+17 48 40.9		118
119P	1996 12 27.99956	07 07 24.00	+17 48 40.2		118
119P	1996 12 28.00624	07 07 23.71	+17 48 40.1	15.8 T	118
119P	1996 12 28.98067	07 06 40.83	+17 48 30.4		118
119P	1996 12 28.98960	07 06 40.41	+17 48 30.4	16.0 T	118
119P	1996 12 30.61296	07 05 28.31	+17 48 19.9	16.1 T	900
119P	1997 01 02.57101	07 03 15.94	+17 48 11.2		355
119P	1997 01 02.57616	07 03 15.71	+17 48 10.7		355
119P	1997 01 11.63819	06 56 32.90	+17 49 18.0	16.3 T	360
119P	1997 01 11.64288	06 56 32.69	+17 49 18.3		360
119P	1997 01 16.56667	06 53 06.04	+17 50 42.4	16.0 T	402
119P	1997 01 16.57014	06 53 05.88	+17 50 42.3		402
119P	1997 01 16.57431	06 53 05.69	+17 50 42.4		402

121P/Shoemaker-Holt 2

121P	1996 11 13.68119	10 14 23.38	+20 00 57.2	15.8 T	897
121P	1996 11 13.69113	10 14 24.07	+20 00 57.7		897
121P	1996 11 13.69650	10 14 24.49	+20 00 57.5	15.8 T	897
121P	1996 12 14.66909	10 44 54.57	+21 22 27.8	15.8 T	896
121P	1996 12 14.69375	10 44 55.67	+21 22 35.1		896
121P	1996 12 18.46155	10 47 24.59	+21 42 49.9	15.4 T	691
121P	1996 12 18.46586	10 47 24.84	+21 42 50.3	15.5 T	691
121P	1996 12 18.47048	10 47 25.14	+21 42 51.1	15.6 T	691
121P	1996 12 18.68646	10 47 33.61	+21 44 03.8		372
121P	1996 12 18.69444	10 47 33.91	+21 44 07.7	15.5 T	372
121P	1996 12 19.71307	10 48 10.88	+21 50 02.4	15.6 T	900
121P	1996 12 20.66669	10 48 44.29	+21 55 44.1		355
121P	1996 12 20.67898	10 48 44.67	+21 55 48.6		355
121P	1996 12 21.70914	10 49 19.48	+22 02 08.4	15.6 T	402
121P	1996 12 21.71082	10 49 19.59	+22 02 09.6		402
121P	1996 12 21.71670	10 49 19.71	+22 02 11.0		402
121P	1996 12 21.78556	10 49 21.92	+22 02 38.4	15 T	372
121P	1996 12 22.07781	10 49 31.45	+22 04 25.5	16.5 T	046
121P	1996 12 22.07940	10 49 31.54	+22 04 26.2		046
121P	1996 12 22.08137	10 49 31.56	+22 04 27.2		046
121P	1996 12 28.10203	10 52 21.92	+22 45 21.4		1 118
121P	1996 12 28.11109	10 52 22.14	+22 45 25.0	16.3 T	1 118
121P	1997 01 02.60965	10 54 12.33	+23 27 52.4		355
121P	1997 01 02.61257	10 54 12.34	+23 27 53.5		355
121P	1997 01 07.78446	10 55 13.98	+24 11 56.2	15.5 T	900
121P	1997 01 07.78839	10 55 13.95	+24 11 59.0	15.4 T	900
121P	1997 01 10.75700	10 55 30.85	+24 38 50.5		355
121P	1997 01 10.76485	10 55 30.86	+24 38 55.3		355

121P	1997 01 11.73490	10 55 33.51	+24 47 55.8	15.0 T	360
121P	1997 01 11.73819	10 55 33.50	+24 47 57.8		360
121P	1997 01 12.08728	10 55 33.96	+24 51 12.1		124
121P	1997 01 12.09253	10 55 33.99	+24 51 14.8		124
121P	1997 01 12.09624	10 55 33.98	+24 51 17.5		124
121P	1997 01 12.10073	10 55 33.96	+24 51 19.5		124
121P	1997 01 13.70336	10 55 34.09	+25 06 29.2	15.2 T	900
121P	1997 01 13.71614	10 55 34.04	+25 06 36.7		900
121P	1997 01 13.74601	10 55 34.04	+25 06 54.1	14.8 T	360
121P	1997 01 13.74965	10 55 34.03	+25 06 56.2		360
121P	1997 01 16.37916	10 55 25.29	+25 32 18.9	15.1 T	691
121P	1997 01 16.40740	10 55 25.08	+25 32 35.4	15.0 T	691
121P	1997 01 16.64097	10 55 24.03	+25 34 51.8	14.8 T	402
121P	1997 01 16.64792	10 55 24.00	+25 34 55.4		402

126P/IRAS

126P	1996 10 16.46723	21 37 40.79	-27 44 46.3		897
126P	1996 10 16.50161	21 37 40.07	-27 43 07.6		897
126P	1996 10 20.50367	21 36 56.18	-24 34 41.7	13.9 T	897
126P	1996 10 20.50553	21 36 56.22	-24 34 36.7		897
126P	1996 10 20.50900	21 36 56.16	-24 34 26.4		897
126P	1996 11 28.41736	22 00 23.97	-00 07 02.5	13.5 T	372
126P	1996 12 02.40660	22 04 48.70	+01 50 44.4		372
126P	1996 12 02.41528	22 04 49.39	+01 51 01.2	14 T	372
126P	1996 12 12.40208	22 16 56.05	+06 27 52.4	14 T	372
126P	1996 12 14.50505	22 19 39.53	+07 23 17.4		421
126P	1996 12 14.50728	22 19 39.69	+07 23 21.2	15.7 T	421
126P	1996 12 14.52080	22 19 40.75	+07 23 41.9		421
126P	1996 12 21.70182	22 29 24.29	+10 26 43.5	14.7 T	046
126P	1996 12 21.70358	22 29 24.53	+10 26 46.9	14.8 T	605
126P	1996 12 21.70409	22 29 24.43	+10 26 47.2		046
126P	1996 12 21.70611	22 29 24.61	+10 26 49.9		046
126P	1996 12 21.70807	22 29 24.75	+10 26 53.0		046
126P	1996 12 21.71409	22 29 25.42	+10 27 01.7	14.6 T	605
126P	1996 12 21.73036	22 29 26.80	+10 27 27.8	14.3 T	605
126P	1996 12 23.70540	22 32 13.45	+11 16 14.7	14.5 T	605
126P	1996 12 23.71741	22 32 14.42	+11 16 32.6	14.3 T	605
126P	1996 12 23.72976	22 32 15.49	+11 16 50.2	14.4 T	605
126P	1996 12 27.81263	22 38 08.09	+12 55 50.7		118
126P	1996 12 27.81925	22 38 08.67	+12 55 59.9	14.3 T	118
126P	1996 12 28.39531	22 38 59.36	+13 09 48.4	14.3 T	360
126P	1996 12 28.39774	22 38 59.57	+13 09 51.7		360
126P	1996 12 28.69514	22 39 25.90	+13 16 56.8		046
126P	1996 12 28.69647	22 39 26.00	+13 16 57.9		046
126P	1996 12 28.69787	22 39 26.10	+13 17 00.3		046
126P	1996 12 28.69912	22 39 26.40	+13 17 03.4	14.9 T	605
126P	1996 12 28.70810	22 39 27.10	+13 17 15.9	14.8 T	605
126P	1996 12 29.78910	22 41 02.71	+13 42 56.6		118
126P	1996 12 29.80530	22 41 04.13	+13 43 19.7	14.6 T	118
126P	1997 01 07.70877	22 54 41.20	+17 09 30.2	14.9 T	605
126P	1997 01 07.71624	22 54 41.90	+17 09 39.2	14.9 T	605
126P	1997 01 07.72573	22 54 42.70	+17 09 52.6	15.0 T	605
126P	1997 01 12.42726	23 02 13.16	+18 55 21.1	14.2 T	360

126P	1997 01 12.43038	23 02 13.46	+18 55 25.4		360
126P	1997 01 12.79186	23 02 48.68	+19 03 25.9		118
126P	1997 01 12.80347	23 02 49.78	+19 03 41.1	14.6 T	118
126P	1997 01 15.71749	23 07 36.23	+20 07 57.5	14.8 T	605
126P	1997 01 15.72891	23 07 37.44	+20 08 12.8	14.8 T	605
126P	1997 01 16.46250	23 08 50.11	+20 24 15.3	14.7 T	402
126P	1997 01 16.46667	23 08 50.57	+20 24 20.8		402
126P	1997 01 16.47083	23 08 50.97	+20 24 26.9		402

129P/Shoemaker-Levy 3

129P	1996 12 14.55347	01 13 23.32	+14 16 24.5		421
129P	1996 12 14.56351	01 13 23.38	+14 16 23.3		421
129P	1996 12 14.57293	01 13 23.37	+14 16 23.3	18.1 T	421
129P	1996 12 30.48023	01 16 23.33	+14 06 03.2		867
129P	1996 12 30.48683	01 16 23.43	+14 06 02.9		867
129P	1996 12 30.49169	01 16 23.54	+14 06 02.8	18.7 T	867

Note 1: poor distribution of reference stars. 2: very faint image. 3: prediscovery image. 4: involved with star. 5: poor sky. 6: image out of focus. 7: correction to *MPC* 28339.

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

1992 UO ₁₀	1992 12 14.83750	01 16 51.01	+13 52 17.2	18.5	010
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033 Tautenburg

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

1.3-m Schmidt telescope

PPM

1991 TT ₁₃	1995 07 24.03819	22 04 23.73	-00 09 30.3	18.4	033
1991 TT ₁₃	1995 07 24.97292	22 03 50.86	-00 09 05.8		V 033
1991 TT ₁₃	1995 07 25.97153	22 03 15.26	-00 08 47.8		033
1991 TT ₁₃	1995 07 26.01250	22 03 13.65	-00 08 48.1		033
1991 TT ₁₃	1995 08 21.96042	21 43 49.25	-00 43 18.0		033
1991 TT ₁₃	1995 08 21.99514	21 43 47.46	-00 43 25.1		033
1991 TT ₁₃	1995 08 22.96181	21 43 03.25	-00 45 56.7	18.1	033
1995 QJ ₁₀	* 1995 08 21.96042	21 45 42.15	+00 33 21.1		033
1995 QJ ₁₀	1995 08 21.99514	21 45 39.93	+00 33 14.1		033
1995 QJ ₁₀	1995 08 22.96181	21 44 41.87	+00 29 52.8	17.7	033
(403)	1995 08 21.96042	21 42 54.09	+00 35 21.3		033
(403)	1995 08 21.99514	21 42 52.33	+00 35 12.7		033
(403)	1995 08 22.96181	21 42 06.09	+00 31 12.8	14.5	033
(1070)	1995 07 24.03819	22 06 22.87	-01 10 58.5	16.2	033
(1070)	1995 07 24.92361	22 06 00.92	-01 15 30.7		033
(1070)	1995 07 24.97292	22 05 59.53	-01 15 46.1		033
(1070)	1995 07 25.97153	22 05 33.61	-01 21 04.6		033
(1070)	1995 07 26.01250	22 05 32.45	-01 21 18.1		033
(4501)	1995 07 24.03819	22 05 05.52	-01 08 18.9	18.7	033
(4501)	1995 07 24.97292	22 04 44.41	-01 09 04.5		033
(4501)	1995 07 26.01250	22 04 20.52	-01 09 59.3		033
(6039)	1995 08 21.96042	21 45 07.50	-00 49 46.1		033
(6039)	1995 08 21.99514	21 45 06.01	-00 49 59.5		033
(6039)	1995 08 22.96181	21 44 28.54	-00 56 16.5	17.9	033

046 Kleť

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

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

Measurer M. Tichý

0.57-m reflector + CCD
 GSC

1980 DL	1997 01 16.09043	09 12 53.58	+19 50 35.5	17.0 V	046
1980 DL	1997 01 16.09564	09 12 53.33	+19 50 35.8		046
1980 DL	1997 01 16.11723	09 12 52.34	+19 50 36.6		046
1980 DL	1997 01 17.08590	09 12 09.54	+19 51 21.5	17.0 V	046
1980 DL	1997 01 17.09013	09 12 09.34	+19 51 21.7		046
1980 DL	1997 01 17.09281	09 12 09.21	+19 51 21.8		046
1980 PW	1997 01 16.07547	09 12 37.60	+16 27 45.0	17.5 V	046
1980 PW	1997 01 16.08005	09 12 37.34	+16 27 46.0		046
1980 PW	1997 01 16.08493	09 12 37.05	+16 27 46.7		046
1980 PW	1997 01 17.00772	09 11 43.50	+16 30 24.3	17.3 V	046
1980 PW	1997 01 17.01014	09 11 43.35	+16 30 24.5		046
1980 PW	1997 01 18.02873	09 10 43.15	+16 33 21.2	17.6 V	046
1980 PW	1997 01 18.03125	09 10 42.99	+16 33 21.6		046
1980 PW	1997 01 18.03513	09 10 42.77	+16 33 22.2		046
1980 PW	1997 01 19.14899	09 09 35.80	+16 36 37.3	17.1 V	046
1980 PW	1997 01 19.15108	09 09 35.68	+16 36 37.6		046
1980 PW	1997 01 19.15293	09 09 35.56	+16 36 37.9		046
1980 PZ	1997 01 15.77241	05 10 26.34	+34 26 12.3		046
1980 PZ	1997 01 15.77655	05 10 26.18	+34 26 10.8		046
1980 PZ	1997 01 15.78128	05 10 25.98	+34 26 09.1		046
1980 PZ	1997 01 16.74998	05 09 51.39	+34 20 34.0	17.0 V	046
1980 PZ	1997 01 16.75194	05 09 51.30	+34 20 33.5		046
1981 TJ	1996 12 17.01178	08 21 13.03	+14 02 43.9	18.4 V	046
1981 TJ	1996 12 17.01459	08 21 12.95	+14 02 43.8		046
1981 TJ	1996 12 17.02016	08 21 12.79	+14 02 43.8		046
1981 TJ	1996 12 22.04795	08 18 23.88	+14 02 41.6	17.8 V	046
1981 TJ	1996 12 22.05267	08 18 23.71	+14 02 41.5		046
1981 TJ	1997 01 08.09701	08 05 16.10	+14 19 33.2	17.4 V	046
1981 TJ	1997 01 08.09919	08 05 15.99	+14 19 33.3		046
1981 TJ	1997 01 08.10215	08 05 15.83	+14 19 33.5		046
1981 TJ	1997 01 12.98031	08 00 50.29	+14 28 22.6	17.2 V	046
1981 TJ	1997 01 12.98726	08 00 49.88	+14 28 23.7		046
1981 TJ	1997 01 12.99247	08 00 49.62	+14 28 23.9		046
1983 QE	1997 01 15.81885	05 13 09.04	+03 45 53.4	18.3 V	046
1983 QE	1997 01 15.82068	05 13 09.00	+03 45 54.4		046
1983 QE	1997 01 15.82250	05 13 08.91	+03 45 54.6		046
1983 QE	1997 01 16.76818	05 12 40.39	+03 50 35.3	18.1 V	046
1983 QE	1997 01 16.77008	05 12 40.28	+03 50 35.9		046
1983 QE	1997 01 16.77211	05 12 40.22	+03 50 36.7		046
1983 VS ₁	1996 12 30.85183	05 34 13.14	+32 28 07.3	17.0 V	046
1983 VS ₁	1996 12 30.85657	05 34 12.85	+32 28 06.9		046
1983 VS ₁	1996 12 30.85934	05 34 12.69	+32 28 06.6		046
1983 VS ₁	1997 01 12.80830	05 24 28.78	+32 04 58.4	17.2 V	r 046
1983 VS ₁	1997 01 12.81032	05 24 28.71	+32 04 58.2		r 046
1984 BC	1997 01 18.12750	10 24 20.61	+14 00 49.6	17.5 V	046
1984 BC	1997 01 18.13097	10 24 20.75	+14 00 54.1		046
1984 BC	1997 01 18.13444	10 24 20.90	+14 00 58.8		046
1984 SK ₁	1997 01 15.89284	06 22 54.78	+30 34 49.1	18.8 V	046
1984 SK ₁	1997 01 15.89487	06 22 54.65	+30 34 49.2		046
1984 SK ₁	1997 01 15.89773	06 22 54.51	+30 34 48.4		046

1984 SK ₁	1997 01 16.81654	06 22 10.41	+30 33 58.9		046	1993 XN ₂	1996 12 27.75878	00 55 41.54	+23 32 53.8		046
1984 SK ₁	1997 01 16.82035	06 22 10.24	+30 33 58.8	18.5 V	046	1993 XN ₂	1996 12 27.76020	00 55 41.78	+23 32 57.8		046
1984 SK ₁	1997 01 16.82270	06 22 10.12	+30 33 58.5		046	1993 XN ₂	1996 12 27.76144	00 55 42.03	+23 33 03.6		046
1985 RP ₁	1997 01 15.85336	06 09 06.40	+15 10 17.8	17.5 V	046	1994 PC	1996 12 21.98108	05 21 38.06	-01 42 14.1	16.3 V	046
1985 RP ₁	1997 01 15.85856	06 09 06.12	+15 10 18.6		046	1994 PC	1996 12 21.98458	05 21 37.92	-01 42 05.0		046
1985 RP ₁	1997 01 15.86204	06 09 05.93	+15 10 19.3		046	1994 PC	1996 12 21.98634	05 21 37.84	-01 42 00.4		046
1985 RP ₁	1997 01 16.77663	06 08 18.02	+15 12 37.2	17.9 V	046	1994 PC	1996 12 30.83801	05 17 51.90	+04 25 18.3	16.2 V	046
1985 RP ₁	1997 01 16.78047	06 08 17.82	+15 12 37.7		046	1994 PC	1996 12 30.84061	05 17 51.85	+04 25 24.3		046
1986 VM	1996 12 30.81581	04 53 28.99	+22 53 22.5	17.1 V	046	1994 PC	1996 12 30.84182	05 17 51.84	+04 25 27.2		046
1986 VM	1996 12 30.81969	04 53 28.80	+22 53 21.6		046	1994 PC	1996 12 30.84353	05 17 51.79	+04 25 31.4		046
1986 VM	1996 12 30.82157	04 53 28.67	+22 53 21.4		046	1994 PC ₁	1997 01 16.71804	03 31 51.14	-24 04 21.1	14.3 V	046
1986 VM	1997 01 12.79613	04 45 05.86	+22 03 38.8	17.2 V	046	1994 PC ₁	1997 01 16.72567	03 31 42.89	-24 02 04.5		046
1986 VM	1997 01 12.79998	04 45 05.76	+22 03 38.1		046	1994 PC ₁	1997 01 16.72948	03 31 38.78	-24 00 55.8		046
1986 VM	1997 01 12.80189	04 45 05.71	+22 03 37.8		046	1995 NB	1997 01 14.05714	08 57 28.82	+19 45 46.3	17.7 V	046
1988 AV ₁	1997 01 15.97316	08 43 03.37	+21 39 17.1	16.5 V	046	1995 NB	1997 01 14.06238	08 57 28.54	+19 45 47.9		046
1988 AV ₁	1997 01 15.97837	08 43 03.10	+21 39 20.2		046	1995 NB	1997 01 14.06432	08 57 28.44	+19 45 48.4		046
1988 AV ₁	1997 01 16.04300	08 42 59.84	+21 39 57.6	16.2 V	046	1995 NB	1997 01 15.15057	08 56 31.54	+19 51 18.9	17.5 V	046
1988 AV ₁	1997 01 16.04690	08 42 59.64	+21 39 59.9		046	1995 NB	1997 01 15.15435	08 56 31.33	+19 51 20.1		046
1988 AV ₁	1997 01 16.92301	08 42 17.31	+21 48 28.4	16.4 V	046	1995 NB	1997 01 15.16014	08 56 31.03	+19 51 21.9		046
1988 AV ₁	1997 01 16.92699	08 42 17.11	+21 48 30.8		046	1995 NB	1997 01 16.06271	08 55 43.34	+19 55 56.7	17.8 V	046
1988 AV ₁	1997 01 16.92927	08 42 16.99	+21 48 32.1		046	1995 NB	1997 01 16.06837	08 55 43.03	+19 55 58.3		046
1989 QV	1996 12 21.87064	04 50 31.25	+53 13 32.4	17.5 V	046	1995 NB	1997 01 16.07116	08 55 42.88	+19 55 59.2		046
1989 QV	1996 12 21.87510	04 50 30.82	+53 13 32.8		046	1995 NB	1997 01 17.07784	08 54 49.00	+20 01 05.8	17.7 V	046
1989 QV	1996 12 21.87774	04 50 30.76	+53 13 32.4		046	1995 NB	1997 01 17.07978	08 54 48.90	+20 01 06.5		046
1989 WG ₄	1997 01 16.14913	10 19 06.71	+16 08 54.7	17.0 V	046	1995 NB	1997 01 17.08201	08 54 48.77	+20 01 07.0		046
1989 WG ₄	1997 01 16.15338	10 19 06.59	+16 08 56.5		046	1995 NB	1997 01 18.01712	08 53 58.35	+20 05 51.3	17.9 V	046
1989 WG ₄	1997 01 16.15631	10 19 06.52	+16 08 57.8		046	1995 NB	1997 01 18.02093	08 53 58.13	+20 05 52.4		046
1989 WG ₄	1997 01 17.11256	10 18 40.55	+16 16 04.7	16.9 V	046	1995 NB	1997 01 18.02287	08 53 58.01	+20 05 53.0		046
1989 WG ₄	1997 01 17.11686	10 18 40.43	+16 16 06.5		046	1995 NB	1997 01 19.05565	08 53 01.69	+20 11 06.7	18.0 V	046
1989 WG ₄	1997 01 17.11926	10 18 40.35	+16 16 07.7		046	1995 NB	1997 01 19.06132	08 53 01.38	+20 11 08.3		046
1991 VH	1997 01 19.20101	12 00 13.16	-01 14 00.8	17.7 V	046	1995 NB	1997 01 19.06440	08 53 01.21	+20 11 09.1		046
1991 VH	1997 01 19.20488	12 00 13.40	-01 13 56.1		046	1995 OZ	1997 01 13.93248	06 16 33.02	+15 10 05.2	17.8 V	046
1991 VH	1997 01 19.20687	12 00 13.53	-01 13 53.9		046	1995 OZ	1997 01 13.93955	06 16 32.65	+15 10 06.0		046
1992 BF ₄	1997 01 08.11632	09 31 47.50	+18 17 05.3	18.0 V	046	1995 OZ	1997 01 13.94267	06 16 32.48	+15 10 06.2		046
1992 BF ₄	1997 01 08.11925	09 31 47.39	+18 17 06.0		046	1995 OZ	1997 01 14.73789	06 15 48.30	+15 11 34.3	17.7 V	046
1992 BF ₄	1997 01 08.12205	09 31 47.33	+18 17 06.6		046	1995 OZ	1997 01 14.73980	06 15 48.16	+15 11 33.1		046
1992 BF ₄	1997 01 08.12566	09 31 47.19	+18 17 07.1		046	1995 OZ	1997 01 14.74176	06 15 48.07	+15 11 34.7		046
1992 BF ₄	1997 01 08.12932	09 31 47.07	+18 17 08.2		046	1995 SL ₃	1997 01 16.01914	07 47 27.34	+20 27 07.4	19.1 V	046
1992 BF ₄	1997 01 13.06275	09 28 50.00	+18 34 56.9	17.7 V	046	1995 SL ₃	1997 01 16.03530	07 47 26.28	+20 27 09.8		046
1992 BF ₄	1997 01 13.06483	09 28 49.91	+18 34 57.5		046	1995 SL ₃	1997 01 16.03843	07 47 26.15	+20 27 10.5		046
1992 BF ₄	1997 01 13.06675	09 28 49.83	+18 34 57.9		046	1995 SL ₃	1997 01 17.03889	07 46 22.41	+20 29 46.3	19.1 V	046
1992 CC ₁	1997 01 14.19332	13 02 57.47	+08 19 15.5	18.3 V	046	1995 SL ₃	1997 01 17.04103	07 46 22.24	+20 29 47.2		046
1992 CC ₁	1997 01 14.19515	13 02 57.44	+08 19 14.5		046	1995 SL ₃	1997 01 17.04328	07 46 22.06	+20 29 48.0		046
1992 CC ₁	1997 01 14.19699	13 02 57.45	+08 19 13.2		046	1995 SN ₃	1997 01 08.11632	09 32 01.28	+18 13 08.8	18.2 V	046
1992 CC ₁	1997 01 16.21006	13 02 35.56	+07 57 40.7	17.7 V	046	1995 SN ₃	1997 01 08.12205	09 32 01.02	+18 13 09.5		046
1992 CC ₁	1997 01 16.21394	13 02 35.49	+07 57 38.3		046	1995 SN ₃	1997 01 08.12932	09 32 00.70	+18 13 10.6		046
1992 CC ₁	1997 01 16.21617	13 02 35.45	+07 57 36.8		046	1995 SN ₃	1997 01 13.04811	09 28 13.93	+18 28 06.8	18.3 V	046
1993 XN ₂	1996 12 21.76113	00 35 25.29	+16 42 18.1	16.9 V	046	1995 SN ₃	1997 01 13.05213	09 28 13.73	+18 28 07.2		046
1993 XN ₂	1996 12 21.76263	00 35 25.56	+16 42 24.7		046	1995 SN ₃	1997 01 13.05419	09 28 13.63	+18 28 07.9		046
1993 XN ₂	1996 12 21.76421	00 35 25.93	+16 42 31.8		046	1995 SH ₅	1997 01 14.00331	07 37 37.09	+21 37 19.8	17.0 V	046
1993 XN ₂	1996 12 21.76547	00 35 26.15	+16 42 37.8		046	1995 SH ₅	1997 01 14.00603	07 37 36.93	+21 37 20.0		046
1993 XN ₂	1996 12 27.75661	00 55 41.12	+23 32 45.4	17.0 V	046	1995 SH ₅	1997 01 14.00795	07 37 36.83	+21 37 20.3		046

1995 SH ₅	1997 01 14.79473	07 36 53.44	+21 38 50.6	16.9 V	046	1995 WS ₄	1997 01 14.16157	11 24 05.85	-06 07 57.4		046
1995 SH ₅	1997 01 14.80120	07 36 53.08	+21 38 51.3		046	1995 WS ₄	1997 01 15.19999	11 24 16.56	-06 13 33.4	18.7 V	046
1995 SH ₅	1997 01 14.80238	07 36 53.01	+21 38 51.6		046	1995 WS ₄	1997 01 15.20191	11 24 16.59	-06 13 34.0		046
1995 TC	1997 01 15.86770	06 09 38.73	+24 08 39.3	18.1 V	046	1995 WS ₄	1997 01 15.20377	11 24 16.59	-06 13 34.6		046
1995 TC	1997 01 15.87391	06 09 38.44	+24 08 39.1		046	1995 WN ₆	1997 01 14.17685	12 20 13.28	+16 07 04.8	17.5 V	046
1995 TC	1997 01 16.79249	06 08 56.67	+24 08 29.4	18.2 V	046	1995 WN ₆	1997 01 14.17881	12 20 13.30	+16 07 05.4		046
1995 TC	1997 01 16.79705	06 08 56.43	+24 08 28.8		046	1995 WN ₆	1997 01 14.18080	12 20 13.31	+16 07 06.1		046
1995 TC	1997 01 16.79985	06 08 56.27	+24 08 28.8		046	1995 WN ₆	1997 01 15.21330	12 20 22.35	+16 12 40.3	17.5 V	046
1995 TF	1997 01 14.10201	10 09 46.12	+31 27 40.4	18.0 V	046	1995 WN ₆	1997 01 15.21608	12 20 22.39	+16 12 41.2		046
1995 TF	1997 01 14.10398	10 09 46.01	+31 27 40.6		046	1995 WN ₆	1997 01 15.21793	12 20 22.38	+16 12 42.0		046
1995 TF	1997 01 14.10789	10 09 45.86	+31 27 41.7		046	1996 BF	1997 01 14.18553	12 48 16.44	-21 34 19.7	18.1 V	046
1995 TF	1997 01 15.17641	10 08 58.89	+31 33 08.5	18.1 V	046	1996 BF	1997 01 14.18748	12 48 16.50	-21 34 21.0		046
1995 TF	1997 01 15.17832	10 08 58.79	+31 33 09.2		046	1996 BF	1997 01 14.18927	12 48 16.54	-21 34 21.9		046
1995 TF	1997 01 15.18014	10 08 58.72	+31 33 09.5		046	1996 BF	1997 01 15.22888	12 48 38.32	-21 44 52.6	17.9 V	046
1995 TN	1997 01 14.02855	08 08 19.53	+34 33 16.2	17.9 V	046	1996 BF	1997 01 15.23007	12 48 38.39	-21 44 53.0		046
1995 TN	1997 01 14.03082	08 08 19.39	+34 33 16.4		046	1996 BF	1997 01 15.23122	12 48 38.38	-21 44 53.9		046
1995 TN	1997 01 14.03477	08 08 19.14	+34 33 16.9		046	1996 FG ₃	1997 01 13.09324	11 15 57.82	+03 35 35.0	19.1 V	046
1995 TN	1997 01 14.80663	08 07 32.40	+34 34 37.7	18.0 V	046	1996 FG ₃	1997 01 13.09671	11 15 57.72	+03 35 34.9		046
1995 TN	1997 01 14.80904	08 07 32.24	+34 34 38.0		046	1996 FG ₃	1997 01 13.10365	11 15 57.52	+03 35 34.5		046
1995 TN	1997 01 14.81065	08 07 32.16	+34 34 38.4		046	1996 FG ₃	1997 01 14.13791	11 15 29.82	+03 35 02.1	19.2 V	046
1995 UR ₁	1997 01 16.18727	11 05 25.03	+29 11 30.1	17.6 V	046	1996 FG ₃	1997 01 14.14191	11 15 29.71	+03 35 02.0		046
1995 UR ₁	1997 01 16.19120	11 05 24.94	+29 11 31.6		046	1996 FG ₃	1997 01 14.14385	11 15 29.62	+03 35 02.1		046
1995 UR ₁	1997 01 16.19587	11 05 24.82	+29 11 33.6		046	1996 TO ₅	1997 01 12.71836	01 14 06.48	-22 28 41.9	19.2 V	F 046
1995 UR ₁	1997 01 17.12437	11 05 03.34	+29 17 32.9	17.6 V	046	1996 TO ₅	1997 01 12.72050	01 14 06.85	-22 28 40.6		F 046
1995 UR ₁	1997 01 17.12633	11 05 03.27	+29 17 33.6		046	1996 TO ₅	1997 01 12.72252	01 14 07.42	-22 28 37.8		F 046
1995 UR ₁	1997 01 17.12856	11 05 03.23	+29 17 34.6		046	1996 TO ₅	1997 01 13.70737	01 17 58.01	-22 08 37.3	18.8 V	F 046
1995 UP ₂	1997 01 08.18360	10 00 36.14	+27 52 19.1	17.6 V	046	1996 TO ₅	1997 01 13.70924	01 17 58.38	-22 08 34.1		F 046
1995 UP ₂	1997 01 08.18810	10 00 36.02	+27 52 20.7		046	1996 TO ₅	1997 01 13.71111	01 17 58.90	-22 08 31.1		F 046
1995 UP ₂	1997 01 08.19065	10 00 35.94	+27 52 21.7		046	1996 TT ₅	1996 12 21.78348	00 54 21.61	+27 20 29.5	17.7 V	046
1995 UP ₂	1997 01 13.07539	09 58 08.64	+28 16 49.3	18.0 V	046	1996 TT ₅	1996 12 21.78584	00 54 21.81	+27 20 28.1		046
1995 UP ₂	1997 01 13.07934	09 58 08.50	+28 16 50.8		046	1996 TT ₅	1996 12 21.79087	00 54 22.23	+27 20 25.5		046
1995 UP ₂	1997 01 13.08360	09 58 08.37	+28 16 52.0		046	1996 TJ ₉	1996 12 29.74333	01 22 37.23	+07 48 18.4	19.0 V	046
1995 UR ₂	1997 01 14.12428	10 37 38.32	+03 20 08.2	19.0 V	046	1996 TJ ₉	1996 12 29.74720	01 22 37.35	+07 48 18.9		046
1995 UR ₂	1997 01 14.12954	10 37 38.20	+03 20 08.4		046	1996 TJ ₉	1996 12 29.74912	01 22 37.40	+07 48 20.6		046
1995 UR ₂	1997 01 14.13271	10 37 38.11	+03 20 08.2		046	1996 TY ₉	1996 12 21.77096	00 37 13.13	+31 23 37.1	17.1 V	046
1995 UR ₂	1997 01 15.19170	10 37 10.72	+03 20 41.3	18.6 V	046	1996 TY ₉	1996 12 21.77344	00 37 13.28	+31 23 35.2		046
1995 UR ₂	1997 01 15.19369	10 37 10.63	+03 20 42.4		046	1996 TY ₉	1996 12 21.77789	00 37 13.49	+31 23 32.1		046
1995 UR ₂	1997 01 15.19554	10 37 10.66	+03 20 41.6		046	1996 UN	1996 12 29.72524	01 12 22.57	+05 00 43.8		046
1995 US ₂	1997 01 14.16646	11 49 43.43	-06 07 29.2	18.0 V	046	1996 UN	1997 01 08.70863	01 21 04.06	+05 47 12.2	18.9 V	046
1995 US ₂	1997 01 14.16848	11 49 43.47	-06 07 29.7		046	1996 UN	1997 01 08.71083	01 21 04.28	+05 47 13.6		046
1995 US ₂	1997 01 14.17240	11 49 43.52	-06 07 31.0		046	1996 UN	1997 01 08.71271	01 21 04.32	+05 47 13.7		046
1995 US ₂	1997 01 15.20601	11 49 56.85	-06 12 20.3	18.2 V	046	1996 VC	1996 12 21.79956	00 58 22.66	+51 37 20.8	15.6 V	046
1995 US ₂	1997 01 15.20808	11 49 56.89	-06 12 20.9		046	1996 VC	1996 12 21.80156	00 58 22.82	+51 37 21.2		046
1995 US ₂	1997 01 15.21002	11 49 56.90	-06 12 21.7		046	1996 VC	1996 12 21.80569	00 58 23.10	+51 37 20.9		046
1995 VR	1997 01 14.04157	08 48 36.03	+00 20 03.2	18.6 V	046	1996 VC	1996 12 21.80795	00 58 23.29	+51 37 21.1		046
1995 VR	1997 01 14.04407	08 48 35.91	+00 20 03.4		046	1996 VN	1996 12 29.73236	01 13 12.84	+12 55 00.7	18.7 V	046
1995 VR	1997 01 14.04794	08 48 35.72	+00 20 03.7		046	1996 VN	1996 12 29.73420	01 13 12.90	+12 55 00.8		046
1995 VR	1997 01 15.12039	08 47 42.43	+00 21 06.4	18.5 V	046	1996 VN	1996 12 29.73789	01 13 13.04	+12 55 01.9		046
1995 VR	1997 01 15.12244	08 47 42.31	+00 21 06.7		046	1996 VN	1997 01 08.69999	01 20 28.99	+13 32 29.5	19.0 V	046
1995 VR	1997 01 15.12448	08 47 42.18	+00 21 07.1		046	1996 VN	1997 01 08.70221	01 20 29.04	+13 32 30.6		046
1995 WS ₄	1997 01 14.15562	11 24 05.81	-06 07 55.5	18.9 V	046	1996 VN	1997 01 08.70443	01 20 29.14	+13 32 31.3		046
1995 WS ₄	1997 01 14.15961	11 24 05.84	-06 07 57.1		046	1996 VQ	1997 01 08.72910	02 07 57.68	+19 40 57.2	17.5 V	046

1996 VQ	1997 01 08.73105	02 07 57.71	+19 40 57.8		046	1996 XN ₂	1996 12 11.86079	02 44 14.70	+19 26 19.5		046
1996 VQ	1997 01 08.73332	02 07 57.75	+19 40 58.3		046	1996 XN ₂	1996 12 11.86416	02 44 14.65	+19 26 18.8		046
1996 VQ	1997 01 12.75672	02 09 36.96	+19 54 49.5	17.8 V	046	1996 XN ₂	1996 12 28.77932	02 45 55.26	+18 51 45.8	18.6 V	046
1996 VQ	1997 01 12.76047	02 09 37.06	+19 54 50.3		046	1996 XN ₂	1996 12 28.78558	02 45 55.40	+18 51 45.4		046
1996 VQ	1997 01 12.76258	02 09 37.12	+19 54 50.8		046	1996 XN ₂	1996 12 28.79236	02 45 55.54	+18 51 44.6		046
1996 VR ₁	1996 12 29.76034	01 59 16.43	+09 24 07.0		046	1996 XN ₂	1996 12 29.78837	02 46 18.91	+18 51 08.7	18.7 V	046
1996 VR ₁	1997 01 12.72859	02 04 20.39	+11 07 07.5	18.9 V	046	1996 XN ₂	1996 12 29.79691	02 46 19.03	+18 51 07.4		046
1996 VR ₁	1997 01 12.73247	02 04 20.51	+11 07 10.5		046	1996 XN ₂	1996 12 29.80495	02 46 19.25	+18 51 07.1		046
1996 VR ₁	1997 01 12.73439	02 04 20.61	+11 07 10.3		046	1996 XN ₂	1997 01 05.82514	02 49 53.33	+18 50 50.6	18.8 V	046
1996 VM ₅	1997 01 08.76481	03 00 32.42	+14 32 03.2	18.4 V	046	1996 XN ₂	1997 01 08.75216	02 51 47.37	+18 52 45.8	18.9 V	046
1996 VM ₅	1997 01 08.76709	03 00 32.42	+14 32 02.8		046	1996 XN ₂	1997 01 08.75587	02 51 47.57	+18 52 45.4		046
1996 VM ₅	1997 01 08.76959	03 00 32.47	+14 32 04.7		046	1996 XO ₂	1996 12 09.93091	03 11 54.63	+15 27 03.4	18.5 V	046
1996 VM ₅	1997 01 12.78047	03 01 23.53	+14 46 25.6	18.7 V	046	1996 XO ₂	1996 12 09.93514	03 11 54.52	+15 27 02.3		046
1996 VM ₅	1997 01 12.78568	03 01 23.58	+14 46 27.4		046	1996 XO ₂	1996 12 09.94465	03 11 54.16	+15 27 01.6		046
1996 VM ₅	1997 01 12.78916	03 01 23.64	+14 46 28.3		046	1996 XO ₂	1996 12 11.88221	03 10 45.23	+15 22 48.8	18.5 V	046
1996 VU ₆	1996 12 28.82317	03 09 17.27	+17 57 04.4	17.0 V	046	1996 XO ₂	1996 12 11.88421	03 10 45.14	+15 22 47.7		046
1996 VU ₆	1996 12 28.82581	03 09 17.30	+17 57 05.2		046	1996 XO ₂	1996 12 11.88610	03 10 45.04	+15 22 48.8		046
1996 VU ₆	1996 12 28.82840	03 09 17.32	+17 57 06.3		046	1996 XO ₂	1996 12 29.81073	03 04 09.03	+15 01 59.9	18.8 V	r 046
1996 VU ₆	1997 01 08.77523	03 13 35.36	+19 06 36.7	17.4 V	046	1996 XO ₂	1996 12 29.81745	03 04 08.96	+15 01 59.2		r 046
1996 VU ₆	1997 01 08.77716	03 13 35.44	+19 06 37.3		046	1996 XO ₂	1996 12 29.82275	03 04 08.87	+15 01 59.5		r 046
1996 VU ₆	1997 01 08.77903	03 13 35.47	+19 06 37.9		046	1996 XO ₂	1997 01 14.70221	03 04 48.80	+15 12 23.0	18.8 V	046
1996 XW ₁	1996 12 28.75902	02 25 39.21	-10 10 48.0		S 046	1996 XO ₂	1997 01 14.70699	03 04 48.82	+15 12 22.6		046
1996 XW ₁	1996 12 28.76068	02 25 39.15	-10 10 52.1		S 046	1996 XO ₂	1997 01 14.70911	03 04 48.88	+15 12 23.2		046
1996 XW ₁	1996 12 28.76404	02 25 39.03	-10 11 07.8		S 046	1996 XE ₉	1996 12 11.96816	06 04 22.43	+22 56 34.2	17.2 V	046
1996 XW ₁	1996 12 29.76575	02 25 24.36	-11 17 00.9	19.1 V	r 046	1996 XE ₉	1996 12 11.97007	06 04 22.30	+22 56 33.7		046
1996 XW ₁	1996 12 29.76900	02 25 24.29	-11 17 13.4		r 046	1996 XE ₉	1996 12 11.97477	06 04 22.00	+22 56 32.4		046
1996 XW ₁	1996 12 29.77961	02 25 24.12	-11 17 55.1		r 046	1996 XE ₉	1996 12 12.93936	06 03 21.44	+22 52 18.5	17.1 V	046
1996 XJ ₂	1996 11 30.91053	05 11 52.99	+18 25 05.7	18.7 V	046	1996 XE ₉	1996 12 12.94135	06 03 21.30	+22 52 18.0		046
1996 XJ ₂	1996 11 30.91716	05 11 52.63	+18 25 08.5		046	1996 XE ₉	1996 12 12.94332	06 03 21.17	+22 52 17.4		046
1996 XJ ₂	1996 12 10.03588	05 02 44.91	+19 18 36.4	18.2 V	046	1996 XE ₉	1996 12 16.92814	05 59 04.80	+22 34 35.5	17.2 V	046
1996 XJ ₂	1996 12 10.03787	05 02 44.78	+19 18 37.8		046	1996 XE ₉	1996 12 16.93344	05 59 04.45	+22 34 34.3		046
1996 XJ ₂	1996 12 11.93138	05 00 49.29	+19 29 55.6	18.0 V	046	1996 XE ₉	1996 12 16.93568	05 59 04.31	+22 34 34.1		046
1996 XJ ₂	1996 12 11.93587	05 00 48.98	+19 29 57.5		046	1996 XE ₉	1996 12 21.99981	05 53 34.27	+22 11 49.8	17.1 V	046
1996 XJ ₂	1996 12 11.93834	05 00 48.84	+19 29 58.7		046	1996 XE ₉	1996 12 22.00150	05 53 34.16	+22 11 49.4		046
1996 XJ ₂	1996 12 29.84591	04 44 01.93	+21 17 03.9	18.0 V	046	1996 XE ₉	1996 12 22.00319	05 53 34.07	+22 11 48.8		046
1996 XJ ₂	1996 12 29.84862	04 44 01.81	+21 17 05.2		046	1996 XE ₉	1996 12 28.94803	05 46 20.83	+21 40 59.5	17.3 V	046
1996 XJ ₂	1997 01 08.81273	04 37 08.95	+22 15 26.2	18.9 V	046	1996 XE ₉	1996 12 28.95194	05 46 20.58	+21 40 58.7		046
1996 XM ₂	1996 12 09.99478	06 41 29.03	+24 15 51.4	17.5 V	046	1996 XE ₉	1996 12 28.95537	05 46 20.33	+21 40 57.6		046
1996 XM ₂	1996 12 10.00152	06 41 28.64	+24 15 51.4		046	1996 XE ₉	1997 01 12.83337	05 34 31.88	+20 42 21.9	17.7 V	046
1996 XM ₂	1996 12 10.00446	06 41 28.48	+24 15 52.2		046	1996 XE ₉	1997 01 12.83536	05 34 31.79	+20 42 21.5		046
1996 XM ₂	1996 12 12.00068	06 39 12.58	+24 22 48.5	17.5 V	046	1996 XE ₉	1997 01 12.83914	05 34 31.67	+20 42 21.0		046
1996 XM ₂	1996 12 12.00236	06 39 12.47	+24 22 48.9		046	1996 XF ₉	1996 12 11.03066	06 05 08.68	+23 30 22.6	18.0 V	046
1996 XM ₂	1996 12 12.00405	06 39 12.35	+24 22 49.1		046	1996 XF ₉	1996 12 11.95678	06 04 03.14	+23 31 26.2	17.8 V	046
1996 XM ₂	1996 12 28.95971	06 18 04.26	+25 14 35.8	16.5 V	046	1996 XF ₉	1996 12 11.96015	06 04 02.91	+23 31 26.1		046
1996 XM ₂	1996 12 28.96354	06 18 03.94	+25 14 36.5		046	1996 XF ₉	1996 12 11.96351	06 04 02.66	+23 31 26.5		046
1996 XM ₂	1996 12 28.96580	06 18 03.77	+25 14 36.4		046	1996 XF ₉	1996 12 12.92280	06 02 54.07	+23 32 30.5	17.4 V	046
1996 XN ₂	1996 12 06.86872	02 45 36.82	+19 45 00.3	18.2 V	046	1996 XF ₉	1996 12 12.92478	06 02 53.92	+23 32 30.5		046
1996 XN ₂	1996 12 06.87353	02 45 36.69	+19 44 59.3		046	1996 XF ₉	1996 12 12.92674	06 02 53.78	+23 32 30.6		046
1996 XN ₂	1996 12 06.87998	02 45 36.55	+19 44 57.6		046	1996 XF ₉	1996 12 16.91887	05 58 03.74	+23 36 34.8	17.6 V	046
1996 XN ₂	1996 12 09.77082	02 44 43.04	+19 33 43.4	18.1 V	046	1996 XF ₉	1996 12 16.92537	05 58 03.26	+23 36 35.0		046
1996 XN ₂	1996 12 09.81838	02 44 42.26	+19 33 32.0		046	1996 XF ₉	1996 12 21.96591	05 51 54.42	+23 40 50.8	17.5 V	046
1996 XN ₂	1996 12 11.85912	02 44 14.71	+19 26 19.5	18.1 V	046	1996 XF ₉	1996 12 21.97133	05 51 54.05	+23 40 50.9		046

1996 XF ₉	1996 12 21.97506	05 51 53.77	+23 40 50.5		046	1996 XU ₁₄	1996 12 21.86491	03 52 12.27	+49 49 00.9		046
1996 XF ₉	1996 12 28.93352	05 43 42.32	+23 45 04.9	17.4 V	046	1996 XX ₁₄	1997 01 12.86854	05 34 08.53	−08 56 29.2	19.0 V	046
1996 XF ₉	1996 12 28.93699	05 43 42.11	+23 45 04.9		046	1996 XX ₁₄	1997 01 12.87105	05 34 08.65	−08 56 24.1		046
1996 XF ₉	1996 12 28.94326	05 43 41.63	+23 45 04.8		046	1996 XX ₁₄	1997 01 12.87593	05 34 08.92	−08 56 13.6		046
1996 XF ₉	1997 01 12.82284	05 29 21.18	+23 49 22.3	18.3 V	046	1996 XX ₁₄	1997 01 12.87813	05 34 09.03	−08 56 09.7		046
1996 XF ₉	1997 01 12.82477	05 29 21.12	+23 49 22.5		046	1996 XR ₁₈	1996 12 16.93840	05 59 07.96	+23 24 42.8	16.5 V	046
1996 XF ₉	1997 01 12.82671	05 29 21.08	+23 49 22.4		046	1996 XR ₁₈	1996 12 16.94269	05 59 07.72	+23 24 42.6		046
1996 XQ ₁₃	1996 12 11.91961	05 00 47.85	+17 33 33.2	17.2 V	046	1996 XR ₁₈	1996 12 16.94632	05 59 07.51	+23 24 42.7		046
1996 XQ ₁₃	1996 12 11.94964	05 00 46.01	+17 33 23.8		046	1996 XR ₁₈	1996 12 22.00969	05 54 16.69	+23 22 54.3	16.6 V	046
1996 XQ ₁₃	1996 12 12.08792	05 00 37.61	+17 32 40.4		046	1996 XR ₁₈	1996 12 22.01248	05 54 16.53	+23 22 54.2		046
1996 XQ ₁₃	1996 12 12.89304	04 59 50.11	+17 28 31.4	17.4 V	046	1996 XR ₁₈	1996 12 22.01476	05 54 16.41	+23 22 54.3		046
1996 XQ ₁₃	1996 12 12.89553	04 59 49.96	+17 28 30.6		046	1996 XR ₁₈	1996 12 27.93839	05 48 40.46	+23 20 07.1	16.8 V	046
1996 XQ ₁₃	1996 12 12.90787	04 59 49.22	+17 28 26.9		046	1996 XR ₁₈	1996 12 27.94170	05 48 40.27	+23 20 07.2		046
1996 XQ ₁₃	1996 12 16.90149	04 55 57.60	+17 08 25.7	17.5 V	046	1996 XR ₁₈	1996 12 27.94669	05 48 39.96	+23 20 07.0		046
1996 XQ ₁₃	1996 12 16.90515	04 55 57.40	+17 08 24.6		046	1996 XR ₁₈	1996 12 29.87241	05 46 53.85	+23 19 04.3	17.1 V	046
1996 XQ ₁₃	1996 12 16.90740	04 55 57.26	+17 08 23.8		046	1996 XR ₁₈	1996 12 29.87644	05 46 53.66	+23 19 04.1		046
1996 XQ ₁₃	1996 12 21.94954	04 51 22.07	+16 44 46.9	17.5 V	046	1996 XR ₁₈	1997 01 12.84510	05 35 35.37	+23 10 25.0	17.2 R	046
1996 XQ ₁₃	1996 12 21.95122	04 51 22.00	+16 44 46.1		046	1996 XR ₁₈	1997 01 12.84912	05 35 35.18	+23 10 25.1		046
1996 XQ ₁₃	1996 12 21.95459	04 51 21.86	+16 44 45.2		046	1996 XR ₁₈	1997 01 12.85106	05 35 35.10	+23 10 24.7		046
1996 XQ ₁₃	1996 12 27.88910	04 46 31.97	+16 19 50.0	17.6 V	046	1996 XS ₁₈	1996 12 16.97189	06 37 21.40	+24 09 20.5	18.2 V	046
1996 XQ ₁₃	1996 12 27.89306	04 46 31.78	+16 19 49.0		046	1996 XS ₁₈	1996 12 16.97760	06 37 21.11	+24 09 20.1		046
1996 XQ ₁₃	1996 12 27.89507	04 46 31.66	+16 19 48.4		046	1996 XS ₁₈	1996 12 16.98208	06 37 20.87	+24 09 21.1		046
1996 XQ ₁₃	1997 01 08.82727	04 39 13.46	+15 40 54.1		046	1996 XS ₁₈	1996 12 22.01992	06 32 51.92	+24 18 15.9	18.0 V	046
1996 XQ ₁₃	1997 01 08.82928	04 39 13.41	+15 40 52.9		046	1996 XS ₁₈	1996 12 22.02409	06 32 51.69	+24 18 16.3		046
1996 XT ₁₄	1996 12 16.77733	04 52 33.58	+18 55 41.2	18.5 V	046	1996 XS ₁₈	1996 12 28.97002	06 26 25.55	+24 29 33.9	17.9 V	046
1996 XT ₁₄	1996 12 16.78128	04 52 33.23	+18 55 46.4		046	1996 XS ₁₈	1996 12 28.97190	06 26 25.47	+24 29 33.3		046
1996 XT ₁₄	1996 12 16.89194	04 52 21.91	+18 57 44.8		046	1996 XS ₁₈	1996 12 28.97398	06 26 25.31	+24 29 33.2		046
1996 XT ₁₄	1996 12 21.92022	04 44 18.42	+20 25 14.9		046	1996 XS ₁₈	1997 01 12.88523	06 13 14.67	+24 48 00.7	18.3 V	046
1996 XT ₁₄	1996 12 27.83589	04 35 50.60	+22 03 14.0	18.4 V	046	1996 XS ₁₈	1997 01 12.88870	06 13 14.52	+24 48 00.8		046
1996 XT ₁₄	1996 12 27.84365	04 35 50.11	+22 03 20.7		046	1996 XS ₁₈	1997 01 12.89124	06 13 14.44	+24 48 01.1		046
1996 XT ₁₄	1996 12 27.84628	04 35 49.77	+22 03 23.6		046	1996 XS ₁₈	1997 01 14.72601	06 11 49.12	+24 49 41.4	18.0 V	046
1996 XT ₁₄	1996 12 28.84833	04 34 31.76	+22 19 20.5	18.5 V	046	1996 XS ₁₈	1997 01 14.72804	06 11 49.00	+24 49 41.4		046
1996 XT ₁₄	1996 12 28.86001	04 34 30.84	+22 19 31.5		046	1996 XS ₁₈	1997 01 14.73257	06 11 48.82	+24 49 42.2		046
1996 XT ₁₄	1996 12 28.87189	04 34 29.87	+22 19 43.0		046	1996 XU ₁₈	1996 12 16.98807	07 23 16.34	+20 36 13.9	17.1 V	046
1996 XT ₁₄	1996 12 29.82858	04 33 17.91	+22 34 46.4	18.1 V	046	1996 XU ₁₈	1996 12 16.99179	07 23 16.16	+20 36 14.3		046
1996 XT ₁₄	1996 12 29.83270	04 33 17.59	+22 34 50.3		046	1996 XU ₁₈	1996 12 16.99589	07 23 16.01	+20 36 14.9		046
1996 XT ₁₄	1996 12 29.83464	04 33 17.44	+22 34 52.3		046	1996 XU ₁₈	1996 12 22.03035	07 19 39.91	+20 46 32.5	17.0 V	046
1996 XT ₁₄	1997 01 08.78650	04 23 18.65	+25 00 45.9	18.7 V	046	1996 XU ₁₈	1996 12 22.03230	07 19 39.76	+20 46 32.6		046
1996 XT ₁₄	1997 01 08.78872	04 23 18.53	+25 00 48.9		046	1996 XU ₁₈	1996 12 22.03672	07 19 39.58	+20 46 32.8		046
1996 XT ₁₄	1997 01 08.79219	04 23 18.41	+25 00 51.1		046	1996 XU ₁₈	1996 12 30.91299	07 12 23.62	+21 06 35.9	16.3 V	046
1996 XT ₁₄	1997 01 08.80235	04 23 17.84	+25 01 00.2		046	1996 XU ₁₈	1996 12 30.91685	07 12 23.38	+21 06 36.2		046
1996 XT ₁₄	1997 01 13.91976	04 20 05.33	+26 08 36.5	18.8 V	046	1996 XU ₁₈	1996 12 30.91972	07 12 23.24	+21 06 37.0		046
1996 XT ₁₄	1997 01 13.92323	04 20 05.22	+26 08 39.3		046	1996 XU ₁₈	1997 01 12.96818	07 00 54.25	+21 37 00.5	16.8 V	046
1996 XT ₁₄	1997 01 13.92670	04 20 05.10	+26 08 41.9		046	1996 XU ₁₈	1997 01 12.97157	07 00 54.07	+21 37 01.0		046
1996 XT ₁₄	1997 01 14.71625	04 19 43.12	+26 18 42.5	18.7 V	046	1996 XU ₁₈	1997 01 12.97387	07 00 53.95	+21 37 01.2		046
1996 XT ₁₄	1997 01 14.71839	04 19 43.05	+26 18 43.5		046	1996 XV ₁₈	1996 12 17.01178	08 21 11.24	+14 04 00.7	19.0 V	046
1996 XT ₁₄	1997 01 14.72037	04 19 42.94	+26 18 46.2		046	1996 XV ₁₈	1996 12 17.01719	08 21 11.12	+14 04 01.4		046
1996 XT ₁₄	1997 01 15.75725	04 19 16.38	+26 31 45.1	18.8 V	046	1996 XV ₁₈	1996 12 17.02016	08 21 11.04	+14 04 00.5		046
1996 XT ₁₄	1997 01 15.76513	04 19 16.19	+26 31 51.7		046	1996 XV ₁₈	1997 01 08.09701	08 05 08.93	+14 21 00.2	18.3 V	046
1996 XT ₁₄	1997 01 15.76745	04 19 16.11	+26 31 53.2		046	1996 XV ₁₈	1997 01 08.09919	08 05 08.80	+14 21 00.7		046
1996 XU ₁₄	1996 12 21.85793	03 52 12.59	+49 49 08.0	17.1 V	046	1996 XV ₁₈	1997 01 08.10215	08 05 08.62	+14 21 01.0		046
1996 XU ₁₄	1996 12 21.86031	03 52 12.45	+49 49 05.6		046	1996 XV ₁₈	1997 01 12.98031	08 00 25.36	+14 31 23.5	17.7 V	046

1996 XV ₁₈	1997 01 12.98726	08 00 24.92	+14 31 25.1		046	1997 AW ₁₄	1997 01 12.90476	07 35 26.88	+21 08 09.8		046
1996 XV ₁₈	1997 01 12.99247	08 00 24.61	+14 31 25.1		046	1997 AW ₁₄	1997 01 12.90734	07 35 26.70	+21 08 10.9		046
1996 XW ₁₈	1996 12 17.02632	08 52 40.97	+17 27 49.3	18.2 V	046	1997 AW ₁₄	1997 01 13.97132	07 34 17.83	+21 13 54.7	18.0 V	046
1996 XW ₁₈	1996 12 17.03146	08 52 40.86	+17 27 50.7		046	1997 AW ₁₄	1997 01 13.97372	07 34 17.67	+21 13 55.2		046
1996 XW ₁₈	1996 12 17.03956	08 52 40.71	+17 27 52.5		046	1997 AW ₁₄	1997 01 13.97568	07 34 17.52	+21 13 55.8		046
1996 XW ₁₈	1996 12 22.05970	08 50 39.96	+17 49 38.6	18.0 V	046	1997 AW ₁₄	1997 01 13.97832	07 34 17.37	+21 13 56.6		046
1996 XW ₁₈	1996 12 22.06186	08 50 39.92	+17 49 39.2		046	1997 AX ₁₄	* 1997 01 12.90476	07 35 29.28	+21 07 46.2		I 046
1996 XW ₁₈	1996 12 22.06468	08 50 39.78	+17 49 40.0		046	1997 AX ₁₄	1997 01 12.90734	07 35 29.00	+21 07 47.9	18.0 V	046
1996 XW ₁₈	1997 01 08.10734	08 38 37.39	+19 26 28.3	17.7 V	046	1997 AX ₁₄	1997 01 13.97132	07 34 24.95	+21 13 17.4	17.8 V	046
1996 XW ₁₈	1997 01 08.10940	08 38 37.27	+19 26 29.2		046	1997 AX ₁₄	1997 01 13.97372	07 34 24.79	+21 13 18.2		046
1996 XW ₁₈	1997 01 08.11205	08 38 37.13	+19 26 30.0		046	1997 AX ₁₄	1997 01 13.97568	07 34 24.68	+21 13 18.6		046
1996 XW ₁₈	1997 01 12.99937	08 33 56.81	+19 58 35.9	17.9 V	046	1997 AX ₁₄	1997 01 13.97832	07 34 24.51	+21 13 19.8		046
1996 XW ₁₈	1997 01 13.00169	08 33 56.67	+19 58 36.7		046	1997 AY ₁₄	* 1997 01 13.01402	08 51 30.58	+15 15 28.8	18.3 V	046
1996 XW ₁₈	1997 01 13.00729	08 33 56.33	+19 58 39.2		046	1997 AY ₁₄	1997 01 13.01595	08 51 30.46	+15 15 28.7		046
1996 XU ₁₉	1996 12 30.88664	07 04 14.40	+21 20 30.9	17.5 V	046	1997 AY ₁₄	1997 01 13.01781	08 51 30.38	+15 15 28.1		046
1996 XU ₁₉	1996 12 30.88869	07 04 14.23	+21 20 31.6		046	1997 AY ₁₄	1997 01 13.01979	08 51 30.28	+15 15 28.2		046
1996 XU ₁₉	1996 12 30.89063	07 04 14.14	+21 20 31.4		046	1997 AY ₁₄	1997 01 13.02311	08 51 30.08	+15 15 27.7		046
1996 XU ₁₉	1996 12 30.89249	07 04 13.99	+21 20 31.7		046	1997 AY ₁₄	1997 01 13.99269	08 50 38.37	+15 13 31.8	18.2 V	046
1996 XU ₁₉	1996 12 30.89497	07 04 13.81	+21 20 31.8		046	1997 AY ₁₄	1997 01 13.99466	08 50 38.29	+15 13 31.4		046
1996 XU ₁₉	1997 01 08.08334	06 55 31.77	+21 27 08.6	17.2 V	046	1997 AY ₁₄	1997 01 13.99670	08 50 38.16	+15 13 31.4		046
1996 XU ₁₉	1997 01 08.08472	06 55 31.68	+21 27 08.6		046	1997 AY ₁₄	1997 01 13.99898	08 50 38.07	+15 13 31.2		046
1996 XU ₁₉	1997 01 08.08647	06 55 31.57	+21 27 08.6		046	1997 AB ₁₅	1997 01 12.89604	07 35 50.82	+21 07 38.6	17.5 V	046
1996 XU ₁₉	1997 01 08.08954	06 55 31.36	+21 27 08.8		046	1997 AB ₁₅	1997 01 12.90024	07 35 50.29	+21 07 49.4		046
1996 XU ₁₉	1997 01 08.09249	06 55 31.16	+21 27 08.8		046	1997 AB ₁₅	1997 01 12.90476	07 35 49.90	+21 08 00.3		046
1996 XM ₂₃	1997 01 15.94188	08 17 09.87	+12 36 36.2	18.7 V	046	1997 AB ₁₅	1997 01 12.90734	07 35 49.51	+21 08 08.6		046
1996 XM ₂₃	1997 01 15.94642	08 17 09.57	+12 36 35.8		046	1997 AB ₁₅	1997 01 13.90663	07 34 04.24	+21 49 56.3	18.0 V	046
1996 XM ₂₃	1997 01 15.95373	08 17 09.13	+12 36 34.8		046	1997 AB ₁₅	1997 01 13.90851	07 34 04.06	+21 50 00.7		046
1996 XM ₂₃	1997 01 16.89076	08 16 08.30	+12 34 50.6	18.4 V	046	1997 AB ₁₅	1997 01 13.91035	07 34 03.86	+21 50 06.1		046
1996 XM ₂₃	1997 01 16.89485	08 16 08.05	+12 34 50.0		046	1997 AB ₁₅	1997 01 13.91222	07 34 03.69	+21 50 10.5		046
1996 XM ₂₃	1997 01 16.89826	08 16 07.78	+12 34 50.1		046	1997 AB ₁₅	1997 01 14.78606	07 32 30.42	+22 26 57.6	18.2 V	046
1997 AC ₁₁	1997 01 12.95897	10 22 04.05	+13 57 07.9	17.4 V	t 046	1997 AB ₁₅	1997 01 14.78785	07 32 30.29	+22 27 03.2		046
1997 AC ₁₁	1997 01 12.96013	10 22 04.20	+13 57 18.6		t 046	1997 AB ₁₅	1997 01 14.78984	07 32 30.03	+22 27 06.4		046
1997 AC ₁₁	1997 01 12.96132	10 22 04.40	+13 57 33.0		t 046	1997 AB ₁₅	1997 01 14.79175	07 32 29.85	+22 27 12.0		046
1997 AC ₁₁	1997 01 12.96258	10 22 04.62	+13 57 43.7		t 046	1997 AN ₁₆	* 1997 01 14.03282	08 08 56.26	+34 31 09.5	19.5 V	046
1997 AC ₁₁	1997 01 14.11567	10 25 19.34	+17 32 17.9	17.8 V	046	1997 AN ₁₆	1997 01 14.03477	08 08 56.16	+34 31 09.5		046
1997 AC ₁₁	1997 01 14.11694	10 25 19.55	+17 32 32.3		046	1997 AN ₁₆	1997 01 14.09343	08 08 52.84	+34 31 16.7	19.3 V	046
1997 AC ₁₁	1997 01 14.11812	10 25 19.72	+17 32 46.7		046	1997 AN ₁₆	1997 01 14.09536	08 08 52.75	+34 31 17.6		046
1997 AC ₁₁	1997 01 14.11927	10 25 19.93	+17 33 00.7		046	1997 AN ₁₆	1997 01 14.09728	08 08 52.56	+34 31 17.5		046
1997 AC ₁₁	1997 01 15.18534	10 28 44.72	+21 15 14.9	17.4 V	046	1997 AN ₁₆	1997 01 15.10334	08 07 55.83	+34 33 25.9	19.0 V	046
1997 AC ₁₁	1997 01 15.18627	10 28 44.88	+21 15 27.6		046	1997 AN ₁₆	1997 01 15.10530	08 07 55.73	+34 33 25.6		046
1997 AC ₁₁	1997 01 15.18740	10 28 45.09	+21 15 42.5		046	1997 AN ₁₆	1997 01 15.10775	08 07 55.55	+34 33 25.6		046
1997 AC ₁₁	1997 01 16.16897	10 32 20.28	+25 02 06.9	17.4 V	046	1997 AN ₁₆	1997 01 15.10999	08 07 55.46	+34 33 27.4		046
1997 AC ₁₁	1997 01 16.16973	10 32 20.44	+25 02 17.9		046	1997 AO ₁₆	* 1997 01 14.04157	08 48 44.04	+00 16 11.1	19.5 V	046
1997 AC ₁₁	1997 01 16.17046	10 32 20.63	+25 02 28.5		046	1997 AO ₁₆	1997 01 14.04407	08 48 43.96	+00 16 10.9		046
1997 AC ₁₁	1997 01 17.01365	10 35 52.76	+28 34 04.2	17.7 V	046	1997 AO ₁₆	1997 01 14.04605	08 48 43.81	+00 16 10.6		046
1997 AC ₁₁	1997 01 17.01435	10 35 52.91	+28 34 14.7		046	1997 AO ₁₆	1997 01 14.04794	08 48 43.70	+00 16 10.0		046
1997 AC ₁₁	1997 01 17.01560	10 35 53.22	+28 34 34.4		046	1997 AO ₁₆	1997 01 15.11429	08 47 46.41	+00 14 39.6	19.3 V	046
1997 AC ₁₁	1997 01 18.07962	10 40 56.10	+33 23 54.4	17.5 V	046	1997 AO ₁₆	1997 01 15.11811	08 47 46.14	+00 14 38.8		046
1997 AC ₁₁	1997 01 18.08309	10 40 57.06	+33 24 53.6		046	1997 AP ₁₆	* 1997 01 14.05714	08 57 20.00	+19 47 03.4	19.2 V	046
1997 AC ₁₁	1997 01 18.08830	10 40 58.57	+33 26 21.9		046	1997 AP ₁₆	1997 01 14.05903	08 57 19.89	+19 47 04.2		046
1997 AW ₁₄	* 1997 01 12.89604	07 35 27.48	+21 08 06.6	18.4 V	046	1997 AP ₁₆	1997 01 14.06432	08 57 19.63	+19 47 06.5		046
1997 AW ₁₄	1997 01 12.90024	07 35 27.21	+21 08 08.1		046	1997 AP ₁₆	1997 01 15.15057	08 56 18.21	+19 53 39.9	19.6 V	046

1997 AP ₁₆	1997 01 15.15249	08 56 18.09	+19 53 40.5		046	1997 AM ₁₈	1997 01 15.99156	08 48 55.38	+15 07 47.8		046
1997 AP ₁₆	1997 01 15.15435	08 56 17.96	+19 53 41.3		046	1997 AM ₁₈	1997 01 16.94681	08 48 10.93	+15 15 43.2	18.9 V	046
1997 AP ₁₆	1997 01 15.16014	08 56 17.68	+19 53 43.1		046	1997 AM ₁₈	1997 01 16.94866	08 48 10.80	+15 15 43.5		046
1997 AM ₁₇	* 1997 01 13.94698	06 56 14.02	+21 04 54.9	18.5 V	046	1997 AM ₁₈	1997 01 16.95425	08 48 10.59	+15 15 46.3		046
1997 AM ₁₇	1997 01 13.94892	06 56 13.90	+21 04 55.2		046	1997 AM ₁₈	1997 01 16.95730	08 48 10.45	+15 15 48.1		046
1997 AM ₁₇	1997 01 13.95103	06 56 13.76	+21 04 55.2		046	1997 AN ₁₈	* 1997 01 15.99611	06 53 50.80	+20 58 48.0	18.0 V	046
1997 AM ₁₇	1997 01 13.95421	06 56 13.54	+21 04 54.8		046	1997 AN ₁₈	1997 01 15.99801	06 53 50.70	+20 58 48.6		046
1997 AM ₁₇	1997 01 15.99611	06 54 27.99	+21 03 17.2	18.6 V	046	1997 AN ₁₈	1997 01 16.00140	06 53 50.51	+20 58 48.7		046
1997 AM ₁₇	1997 01 15.99801	06 54 27.87	+21 03 17.8		046	1997 AN ₁₈	1997 01 16.00449	06 53 50.35	+20 58 49.0		046
1997 AM ₁₇	1997 01 16.00140	06 54 27.65	+21 03 17.5		046	1997 AN ₁₈	1997 01 16.83666	06 53 09.32	+21 00 04.8	18.0 V	046
1997 AM ₁₇	1997 01 16.00449	06 54 27.53	+21 03 17.4		046	1997 AN ₁₈	1997 01 16.83898	06 53 09.23	+21 00 04.8		046
1997 AN ₁₇	* 1997 01 14.74698	06 54 58.90	+21 07 33.5	15.5 V	046	1997 AN ₁₈	1997 01 16.84102	06 53 09.08	+21 00 04.6		046
1997 AN ₁₇	1997 01 14.75733	06 54 58.06	+21 07 27.2		046	1997 AN ₁₈	1997 01 16.84317	06 53 09.01	+21 00 04.9		046
1997 AN ₁₇	1997 01 14.76123	06 54 57.74	+21 07 24.8		046	1997 AQ ₁₈	1997 01 17.82729	07 55 05.19	+19 39 19.7	16.8 V	046
1997 AN ₁₇	1997 01 14.77155	06 54 56.91	+21 07 18.7		046	1997 AQ ₁₈	1997 01 17.82850	07 55 04.88	+19 39 18.3		046
1997 AN ₁₇	1997 01 15.82716	06 53 33.68	+20 56 38.6	15.5 V	046	1997 AQ ₁₈	1997 01 17.83015	07 55 04.57	+19 39 17.2		046
1997 AN ₁₇	1997 01 15.82907	06 53 33.50	+20 56 37.4		046	1997 AQ ₁₈	1997 01 17.83255	07 55 03.97	+19 39 15.4		046
1997 AN ₁₇	1997 01 15.83407	06 53 33.13	+20 56 34.4		046	1997 AN ₂₁	1997 01 18.01712	08 53 56.85	+20 13 31.8	17.0 V	046
1997 AF ₁₈	* 1997 01 15.15057	08 56 08.05	+19 53 30.0	19.5 V	046	1997 AN ₂₁	1997 01 18.01903	08 53 56.72	+20 13 31.6		046
1997 AF ₁₈	1997 01 15.15249	08 56 07.86	+19 53 30.4		046	1997 AN ₂₁	1997 01 18.02093	08 53 56.58	+20 13 31.3		046
1997 AF ₁₈	1997 01 15.16014	08 56 07.38	+19 53 33.3		046	1997 AN ₂₁	1997 01 18.02287	08 53 56.46	+20 13 31.0		046
1997 AF ₁₈	1997 01 16.06271	08 55 15.75	+19 58 49.5	19.4 V	046	1997 AN ₂₁	1997 01 19.05565	08 52 46.26	+20 11 23.8	17.2 V	046
1997 AF ₁₈	1997 01 16.06466	08 55 15.61	+19 58 49.8		046	1997 AN ₂₁	1997 01 19.05758	08 52 46.13	+20 11 23.5		046
1997 AF ₁₈	1997 01 16.06837	08 55 15.39	+19 58 51.3		046	1997 AN ₂₁	1997 01 19.06132	08 52 45.86	+20 11 23.1		046
1997 AF ₁₈	1997 01 16.07116	08 55 15.27	+19 58 52.4		046	1997 AN ₂₁	1997 01 19.06440	08 52 45.65	+20 11 22.7		046
1997 AJ ₁₈	* 1997 01 15.94188	08 17 16.47	+12 31 14.0	19.0 V	046	1997 BB	* 1997 01 16.07547	09 12 31.63	+16 31 08.0	19.0 V	046
1997 AJ ₁₈	1997 01 15.94642	08 17 16.16	+12 31 14.2		046	1997 BB	1997 01 16.07735	09 12 31.47	+16 31 07.8		046
1997 AJ ₁₈	1997 01 15.95038	08 17 15.99	+12 31 14.7		046	1997 BB	1997 01 16.08005	09 12 31.30	+16 31 08.5		046
1997 AJ ₁₈	1997 01 15.95373	08 17 15.78	+12 31 14.0		046	1997 BB	1997 01 16.08301	09 12 31.16	+16 31 08.5		046
1997 AJ ₁₈	1997 01 16.89076	08 16 25.83	+12 31 30.6	19.0 V	046	1997 BB	1997 01 16.08493	09 12 31.02	+16 31 08.3		046
1997 AJ ₁₈	1997 01 16.89272	08 16 25.69	+12 31 31.3		046	1997 BB	1997 01 16.99873	09 11 37.45	+16 32 31.3	18.6 V	046
1997 AJ ₁₈	1997 01 16.89485	08 16 25.66	+12 31 31.4		046	1997 BB	1997 01 17.00214	09 11 37.31	+16 32 29.8		046
1997 AJ ₁₈	1997 01 16.90177	08 16 25.22	+12 31 30.8		046	1997 BB	1997 01 17.00381	09 11 37.18	+16 32 31.3		046
1997 AK ₁₈	* 1997 01 15.95874	08 26 36.31	+23 23 37.5	18.3 V	046	1997 BB	1997 01 17.01014	09 11 36.74	+16 32 31.7		046
1997 AK ₁₈	1997 01 15.96057	08 26 36.21	+23 23 37.9		046	1997 BC	* 1997 01 16.09043	09 12 58.53	+19 52 35.3	19.3 V	046
1997 AK ₁₈	1997 01 15.96399	08 26 36.00	+23 23 38.5		046	1997 BC	1997 01 16.09216	09 12 58.35	+19 52 34.7		046
1997 AK ₁₈	1997 01 15.96709	08 26 35.75	+23 23 39.3		046	1997 BC	1997 01 16.09564	09 12 58.21	+19 52 35.5		046
1997 AK ₁₈	1997 01 16.90851	08 25 34.85	+23 27 04.6	18.4 V	046	1997 BC	1997 01 16.09929	09 12 58.00	+19 52 36.9		046
1997 AK ₁₈	1997 01 16.91045	08 25 34.72	+23 27 04.7		046	1997 BC	1997 01 17.08787	09 12 09.52	+19 55 33.7	19.5 V	046
1997 AK ₁₈	1997 01 16.91247	08 25 34.57	+23 27 05.4		046	1997 BC	1997 01 17.09013	09 12 09.44	+19 55 33.8		046
1997 AK ₁₈	1997 01 16.91517	08 25 34.40	+23 27 06.3		046	1997 BC	1997 01 17.09281	09 12 09.26	+19 55 35.1		046
1997 AL ₁₈	* 1997 01 15.97837	08 43 18.03	+21 37 52.9	18.6 V	046	1997 BD	* 1997 01 16.09043	09 13 09.02	+19 50 21.2	19.1 V	046
1997 AL ₁₈	1997 01 16.04300	08 43 14.04	+21 38 24.6	18.5 V	046	1997 BD	1997 01 16.09216	09 13 08.90	+19 50 21.3		046
1997 AL ₁₈	1997 01 16.04502	08 43 13.93	+21 38 25.9		046	1997 BD	1997 01 16.09390	09 13 08.81	+19 50 22.1		046
1997 AL ₁₈	1997 01 16.04690	08 43 13.78	+21 38 27.0		046	1997 BD	1997 01 16.09564	09 13 08.76	+19 50 22.3		046
1997 AL ₁₈	1997 01 16.92301	08 42 20.90	+21 45 41.7	18.7 V	046	1997 BD	1997 01 16.09929	09 13 08.57	+19 50 22.8		046
1997 AL ₁₈	1997 01 16.92507	08 42 20.77	+21 45 42.6		046	1997 BD	1997 01 17.08590	09 12 24.65	+19 54 07.8	19.2 V	046
1997 AL ₁₈	1997 01 16.92699	08 42 20.63	+21 45 44.1		046	1997 BD	1997 01 17.08787	09 12 24.56	+19 54 07.9		046
1997 AL ₁₈	1997 01 16.92927	08 42 20.48	+21 45 44.9		046	1997 BD	1997 01 17.09013	09 12 24.46	+19 54 08.4		046
1997 AM ₁₈	* 1997 01 15.98314	08 48 55.76	+15 07 44.0	18.9 V	046	1997 BD	1997 01 17.09281	09 12 24.35	+19 54 09.3		046
1997 AM ₁₈	1997 01 15.98549	08 48 55.70	+15 07 44.8		046	1997 BE	* 1997 01 16.10315	09 28 08.65	+18 13 42.0	18.5 V	046
1997 AM ₁₈	1997 01 15.98816	08 48 55.59	+15 07 46.2		046	1997 BE	1997 01 16.10622	09 28 08.52	+18 13 41.6		046

1997 BE	1997 01 16.10902	09 28 08.38	+18 13 42.3	046	(207)	1997 01 08.69248	23 46 58.85	-02 06 07.3	15.5 V	046
1997 BE	1997 01 16.11225	09 28 08.17	+18 13 42.3	046	(207)	1997 01 08.69392	23 46 58.97	-02 06 06.4		046
1997 BE	1997 01 16.98425	09 27 27.78	+18 14 33.7	18.4 V	046	(207)	1997 01 08.69542	23 46 59.09	-02 06 05.5	046
1997 BE	1997 01 16.98669	09 27 27.63	+18 14 33.0	046	(207)	1997 01 12.70066	23 52 32.07	-01 25 06.1	15.6 V	046
1997 BE	1997 01 16.99009	09 27 27.47	+18 14 34.0	046	(207)	1997 01 12.70201	23 52 32.17	-01 25 05.3		046
1997 BE	1997 01 16.99221	09 27 27.36	+18 14 34.0	046	(207)	1997 01 12.70324	23 52 32.29	-01 25 04.6		046
1997 BF	* 1997 01 16.83666	06 53 07.05	+20 57 47.9	18.2 V	046	(1620)	1997 01 17.15948	14 17 54.80	-14 19 54.4	17.1 V
1997 BF	1997 01 16.83898	06 53 06.95	+20 57 48.6	046	(1620)	1997 01 17.16065	14 17 55.09	-14 19 57.2		046
1997 BF	1997 01 16.84102	06 53 06.83	+20 57 48.8	046	(1620)	1997 01 17.16185	14 17 55.40	-14 20 00.0		046
1997 BF	1997 01 16.84317	06 53 06.67	+20 57 49.8	046	(1862)	1996 12 21.71796	00 05 32.84	+07 44 00.0	17.3 V	046
1997 BF	1997 01 17.85296	06 52 11.39	+21 01 50.4	18.0 V	046	(1862)	1996 12 21.72545	00 05 35.40	+07 44 19.9	046
1997 BF	1997 01 17.85644	06 52 11.23	+21 01 50.7	046	(1862)	1996 12 21.72738	00 05 36.03	+07 44 25.1		046
1997 BF	1997 01 17.85817	06 52 11.11	+21 01 51.4	046	(1862)	1996 12 27.73338	00 37 46.50	+11 40 30.0	17.5 V	046
1997 BF	1997 01 17.86164	06 52 10.96	+21 01 52.3	046	(1862)	1996 12 27.73730	00 37 47.62	+11 40 38.5		046
1997 BF	1997 01 17.87197	06 52 10.36	+21 01 55.2	046	(1862)	1996 12 29.71161	00 47 23.15	+12 47 04.8	17.1 V	046
1997 BG	* 1997 01 16.96465	09 53 26.14	+14 40 00.7	18.4 V	046	(1862)	1996 12 29.71366	00 47 23.73	+12 47 08.9	046
1997 BG	1997 01 16.96686	09 53 26.03	+14 40 03.2	046	(1862)	1996 12 29.71492	00 47 24.09	+12 47 11.3		046
1997 BG	1997 01 16.96941	09 53 25.92	+14 40 05.7	046	(1862)	1996 12 29.71743	00 47 24.75	+12 47 16.5		046
1997 BG	1997 01 16.97285	09 53 25.78	+14 40 09.9	046	(1866)	1997 01 18.18324	13 44 10.97	+48 23 16.9	17.8 V	046
1997 BG	1997 01 16.97626	09 53 25.62	+14 40 13.9	046	(1866)	1997 01 18.18521	13 44 11.03	+48 23 18.6		046
1997 BG	1997 01 16.97939	09 53 25.49	+14 40 17.5	046	(1866)	1997 01 18.18940	13 44 11.12	+48 23 22.3		046
1997 BG	1997 01 18.06405	09 52 35.32	+15 00 59.9	18.7 V	046	(1866)	1997 01 18.19137	13 44 11.18	+48 23 23.9	046
1997 BG	1997 01 18.06611	09 52 35.23	+15 01 02.3	046	(2060)	1997 01 14.20890	13 55 23.67	-12 25 34.2	16.4 V	046
1997 BG	1997 01 18.06806	09 52 35.13	+15 01 04.6	046	(2060)	1997 01 14.21084	13 55 23.70	-12 25 34.3		046
1997 BG	1997 01 18.07034	09 52 35.00	+15 01 07.2	046	(2060)	1997 01 14.21294	13 55 23.73	-12 25 34.5		046
1997 BG	1997 01 18.07412	09 52 34.82	+15 01 11.7	046	(2060)	1997 01 17.15053	13 56 03.33	-12 28 19.5	16.5 V	046
1997 BG	1997 01 19.11704	09 51 44.68	+15 21 23.1	r 046	(2060)	1997 01 17.15264	13 56 03.36	-12 28 19.6		046
1997 BG	1997 01 19.12058	09 51 44.48	+15 21 27.0	18.7 V	046	(2060)	1997 01 17.15473	13 56 03.39	-12 28 19.7	046
1997 BG	1997 01 19.12262	09 51 44.38	+15 21 29.3	046	(2212)	1996 12 29.89134	04 06 40.31	+33 21 01.7	17.2 V	046
1997 BG	1997 01 19.12515	09 51 44.26	+15 21 32.5	046	(2212)	1996 12 29.89322	04 06 40.15	+33 21 01.0		046
1997 BG	1997 01 19.12726	09 51 44.15	+15 21 34.8	046	(2212)	1996 12 29.89696	04 06 39.86	+33 20 59.5		046
1997 BP	* 1997 01 18.06405	09 52 58.38	+14 58 32.8	18.5 V	046	(2368)	1997 01 13.01402	08 51 25.78	+15 12 44.7	18.6 V
1997 BP	1997 01 18.06611	09 52 58.32	+14 58 33.7	046	(2368)	1997 01 13.01979	08 51 25.37	+15 12 45.6		046
1997 BP	1997 01 18.06806	09 52 58.25	+14 58 34.3	046	(2368)	1997 01 13.02311	08 51 25.15	+15 12 46.4		046
1997 BP	1997 01 18.07034	09 52 58.20	+14 58 35.1	046	(2368)	1997 01 13.99466	08 50 19.26	+15 15 35.7	18.3 V	046
1997 BP	1997 01 19.10269	09 52 23.49	+15 04 58.5	18.7 V	046	(2368)	1997 01 13.99670	08 50 19.11	+15 15 36.7	046
1997 BP	1997 01 19.10771	09 52 23.34	+15 05 00.5	046	(2368)	1997 01 13.99898	08 50 18.99	+15 15 37.5		046
1997 BP	1997 01 19.10939	09 52 23.27	+15 05 01.1	046	(3200)	1996 12 29.68892	00 09 35.24	+21 38 51.4	17.7 V	046
1997 BP	1997 01 19.11106	09 52 23.21	+15 05 01.8	046	(3200)	1996 12 29.69087	00 09 35.40	+21 38 50.8		046
1997 BP	1997 01 19.11274	09 52 23.15	+15 05 02.4	046	(3200)	1996 12 29.69329	00 09 35.53	+21 38 49.1		046
3476 T-3	1996 12 27.94170	05 49 01.48	+23 19 21.5	16.7 V	046	(3358)	1997 01 16.82683	06 51 58.78	+20 48 40.9	15.8 V
3476 T-3	1996 12 27.94406	05 49 01.32	+23 19 21.7	046	(3358)	1997 01 16.82903	06 51 58.67	+20 48 41.2		046
3476 T-3	1996 12 27.94669	05 49 01.13	+23 19 21.7	046	(3358)	1997 01 16.83384	06 51 58.43	+20 48 41.6		046
3476 T-3	1996 12 29.87028	05 46 45.50	+23 20 21.5	15.7 V	046	(3665)	1997 01 15.74471	04 19 53.27	+09 32 22.5	16.4 V
3476 T-3	1996 12 29.87241	05 46 45.33	+23 20 21.2	046	(3665)	1997 01 15.74589	04 19 53.25	+09 32 23.5		046
3476 T-3	1996 12 29.87644	05 46 45.05	+23 20 21.9	046	(3665)	1997 01 15.74779	04 19 53.24	+09 32 24.7		046
(166)	1997 01 18.06405	09 52 14.01	+15 04 18.2	14.7 V	046	(3665)	1997 01 16.73472	04 19 47.73	+09 42 34.7	16.3 V
(166)	1997 01 18.06806	09 52 13.85	+15 04 20.2	046	(3665)	1997 01 16.73844	04 19 47.69	+09 42 37.2		046
(166)	1997 01 18.07034	09 52 13.75	+15 04 21.3	046	(3665)	1997 01 16.74135	04 19 47.68	+09 42 38.9		046
(166)	1997 01 19.12058	09 51 31.95	+15 12 59.4	14.8 V	046	(3716)	1997 01 15.91814	08 03 20.21	+19 00 35.9	17.1 V
(166)	1997 01 19.12262	09 51 31.86	+15 13 00.5	046	(3716)	1997 01 15.92074	08 03 20.03	+19 00 36.5		046
(166)	1997 01 19.12726	09 51 31.67	+15 13 02.7	046	(3716)	1997 01 15.92339	08 03 19.86	+19 00 37.1		046

(3716)	1997 01 16.87823	08 02 20.20	+19 04 09.0	17.0 V	046
(3716)	1997 01 16.88231	08 02 19.94	+19 04 09.9		046
(3716)	1997 01 16.88446	08 02 19.80	+19 04 10.3		046
(3827)	1997 01 16.12315	09 53 55.61	+14 41 50.8	18.1 V	046
(3827)	1997 01 16.12734	09 53 55.44	+14 41 51.5		046
(3827)	1997 01 16.13030	09 53 55.30	+14 41 51.9		046
(3827)	1997 01 16.96686	09 53 21.91	+14 44 07.2	18.2 V	046
(3827)	1997 01 16.97285	09 53 21.67	+14 44 08.0		046
(3827)	1997 01 16.97939	09 53 21.39	+14 44 09.3		046
(3908)	1996 12 28.88836	05 10 56.51	+21 11 20.1	15.7 V	046
(3908)	1996 12 28.89106	05 10 56.62	+21 11 19.4		046
(3908)	1996 12 28.89493	05 10 56.78	+21 11 18.5		046
(3908)	1996 12 30.82622	05 12 32.51	+21 04 07.8	15.9 V	046
(3908)	1996 12 30.83037	05 12 32.68	+21 04 07.0		046
(3908)	1996 12 30.83266	05 12 32.78	+21 04 06.6		046
(4055)	1997 01 13.03155	09 07 37.41	-06 42 15.6	19.0 V	046
(4055)	1997 01 13.03676	09 07 37.07	-06 42 13.1		046
(4055)	1997 01 13.04197	09 07 36.77	-06 42 11.6		046
(4055)	1997 01 14.07086	09 06 34.04	-06 35 37.0	18.5 V	046
(4055)	1997 01 14.07484	09 06 33.77	-06 35 35.5		046
(4055)	1997 01 14.07687	09 06 33.65	-06 35 34.4		046
(4408)	1997 01 15.94188	08 17 35.14	+12 32 56.6	16.6 V	046
(4408)	1997 01 15.94642	08 17 34.84	+12 32 57.5		046
(4408)	1997 01 15.95373	08 17 34.37	+12 32 58.6		046
(4408)	1997 01 16.89076	08 16 35.78	+12 35 32.7	16.5 V	046
(4408)	1997 01 16.89485	08 16 35.53	+12 35 33.4		046
(4408)	1997 01 16.90177	08 16 35.09	+12 35 34.5		046
(4869)	1996 12 16.92814	05 59 00.57	+22 34 28.4	16.1 V	046
(4869)	1996 12 16.93106	05 59 00.37	+22 34 28.5		046
(4869)	1996 12 16.93568	05 59 00.02	+22 34 28.8		046
(5145)	1997 01 14.20068	13 22 01.61	+16 50 00.7	17.4 V	046
(5145)	1997 01 14.20253	13 22 01.63	+16 50 01.0		046
(5145)	1997 01 14.20433	13 22 01.64	+16 50 01.2		046
(5145)	1997 01 17.14120	13 22 16.16	+16 55 33.5	17.6 R	046
(5145)	1997 01 17.14306	13 22 16.19	+16 55 33.7		046
(5145)	1997 01 17.14490	13 22 16.20	+16 55 33.9		046
(5275)	1996 12 29.90760	05 16 40.21	+17 25 27.7	16.9 V	046
(5275)	1996 12 29.91365	05 16 39.83	+17 25 26.6		046
(5587)	1997 01 16.13616	10 17 51.67	-09 25 23.7	18.7 V	046
(5587)	1997 01 16.13804	10 17 51.63	-09 25 23.7		046
(5587)	1997 01 16.14498	10 17 51.37	-09 25 24.0		046
(5587)	1997 01 17.09944	10 17 23.15	-09 25 58.5	19.0 V	046
(5587)	1997 01 17.10378	10 17 23.03	-09 25 59.0		046
(5587)	1997 01 17.10708	10 17 22.94	-09 25 58.9		046
(5626)	1996 12 28.73042	00 10 40.05	-04 16 36.1	16.8 V	046
(5626)	1996 12 28.73172	00 10 40.35	-04 16 34.3		046
(5626)	1996 12 28.73446	00 10 40.92	-04 16 30.8		046
(5626)	1996 12 29.70537	00 14 11.25	-03 55 33.7	16.8 V	046
(5626)	1996 12 29.70656	00 14 11.50	-03 55 32.1		046
(5626)	1996 12 29.70779	00 14 11.75	-03 55 30.5		046
(6481)	1997 01 15.95874	08 26 24.31	+23 21 32.2	16.8 V	046
(6481)	1997 01 15.96399	08 26 23.94	+23 21 32.9		046

(6481)	1997 01 15.96709	08 26 23.71	+23 21 33.4		046
(6481)	1997 01 16.90851	08 25 18.62	+23 23 32.5	16.7 V	046
(6481)	1997 01 16.91045	08 25 18.48	+23 23 32.6		046
(6481)	1997 01 16.91517	08 25 18.15	+23 23 33.2		046
(6481)	1997 01 17.96266	08 24 05.01	+23 25 42.6		046
(6481)	1997 01 17.96440	08 24 04.88	+23 25 42.7		046
(6481)	1997 01 17.96613	08 24 04.76	+23 25 43.0		046
(6544)	1997 01 15.87862	06 12 26.98	+27 51 24.6	16.9 V	046
(6544)	1997 01 15.88060	06 12 26.84	+27 51 24.1		046
(6544)	1997 01 15.88565	06 12 26.57	+27 51 23.6		046
(6544)	1997 01 16.80500	06 11 42.22	+27 50 18.9	17.0 V	046
(6544)	1997 01 16.80809	06 11 42.06	+27 50 18.6		046
(6544)	1997 01 16.81056	06 11 41.93	+27 50 18.4		046
(6569)	1997 01 17.13310	12 22 20.34	+22 12 00.9	18.6 V	046
(6569)	1997 01 17.13501	12 22 20.49	+22 12 02.9		046
(6569)	1997 01 17.13718	12 22 20.65	+22 12 05.4		046

095 Crimean Astrophysical Observatory

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Observers L. I. Chernykh, N. S. Chernykh, L. G. Karachkina, L. V. Zhuravleva
0.4-m $f/4$ double astrograph

PPM

1991 NE ₈	1991 09 04.83597	21 39 26.78	-00 15 05.2	16.3	095
1992 SV ₂₆	1992 09 04.97973	00 39 36.02	+13 56 14.2	15.8	095
1992 SV ₂₆	* 1992 09 28.87701	00 22 39.47	+11 55 02.7	16.0	095
1992 SV ₂₆	1992 09 28.88397	00 22 39.18	+11 55 08.1	16.0	095
1992 SV ₂₆	1992 10 20.80757	00 07 02.81	+08 53 26.0	16.0	095

098 Asiago Observatory, Cima Ekar

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

Observer U. Munari

Measurers M. Tombelli, G. Forti

0.67-m $f/3.2$ Schmidt

1992 PJ	1996 12 04.97535	05 09 09.17	+24 09 35.4		098
1992 PJ	1996 12 04.99618	05 09 07.64	+24 09 32.2		098
1992 PJ	1996 12 06.01770	05 07 52.97	+24 06 41.1		098
1992 PJ	1996 12 06.03854	05 07 51.35	+24 06 36.4		098
1992 PJ	1996 12 08.07044	05 05 22.30	+24 00 48.6		098
1992 PJ	1996 12 08.09271	05 05 20.66	+24 00 43.3	17.5 V	098
1993 FX ₈₁	1996 12 06.06111	04 46 40.33	+20 31 57.6		098
1993 FX ₈₁	1996 12 06.08194	04 46 39.11	+20 31 57.0		098
1993 FX ₈₁	1996 12 08.03093	04 44 46.13	+20 32 56.5		098
1993 FX ₈₁	1996 12 08.05104	04 44 45.11	+20 32 56.0	17.0 V	098
1995 DR ₃	1995 02 27.90416	10 13 54.65	+11 11 33.7		098
1995 DR ₃	1995 02 27.92166	10 13 53.73	+11 11 38.7		098
1996 XB ₁₉	1996 12 04.97535	05 05 11.05	+22 58 06.9		098
1996 XB ₁₉	1996 12 04.99618	05 05 09.57	+22 58 05.7		098
1996 XB ₁₉	1996 12 06.01770	05 03 57.99	+22 57 57.7		098
1996 XB ₁₉	1996 12 06.03854	05 03 56.41	+22 57 56.9		098

1996 XB ₁₉	1996 12 08.07044	05 01 33.35	+22 57 31.4		098	1996 XX ₃₂	1996 12 04.95174	04 51 59.25	+22 07 58.2		098
1996 XB ₁₉	1996 12 08.09271	05 01 31.91	+22 57 30.7	18.0 V	098	1996 XX ₃₂	1996 12 06.06111	04 50 42.40	+22 08 02.4		098
1996 XL ₂₆	* 1996 12 06.06111	04 44 43.87	+19 58 00.0		098	1996 XX ₃₂	1996 12 06.08194	04 50 41.09	+22 08 02.8		098
1996 XL ₂₆	1996 12 06.08194	04 44 42.52	+19 58 01.0		098	1996 XX ₃₂	1996 12 08.03093	04 48 27.96	+22 08 05.3		098
1996 XL ₂₆	1996 12 08.05104	04 42 29.42	+19 58 51.6	17.5 V	098	1996 XX ₃₂	1996 12 08.05104	04 48 26.71	+22 08 05.8	17.0 V	098
1996 XM ₂₆	* 1996 12 06.06111	04 48 09.73	+24 20 47.4		098	1996 XY ₃₂	* 1996 12 04.93090	04 52 27.40	+22 45 53.4		098
1996 XM ₂₆	1996 12 06.08194	04 48 08.40	+24 20 32.2		098	1996 XY ₃₂	1996 12 04.95174	04 52 26.19	+22 45 56.9		098
1996 XM ₂₆	1996 12 08.03093	04 46 08.25	+23 57 45.1		098	1996 XY ₃₂	1996 12 06.06111	04 51 20.06	+22 48 32.0		098
1996 XM ₂₆	1996 12 08.05104	04 46 07.08	+23 57 30.3	16.5 V	098	1996 XY ₃₂	1996 12 06.08194	04 51 18.88	+22 48 35.2		098
1996 XN ₂₆	1996 12 04.93090	04 39 44.89	+22 43 05.5		098	1996 XY ₃₂	1996 12 08.03093	04 49 23.07	+22 53 03.7		098
1996 XN ₂₆	1996 12 04.95174	04 39 43.63	+22 43 04.6		098	1996 XY ₃₂	1996 12 08.05104	04 49 21.90	+22 53 05.4	17.0 V	098
1996 XN ₂₆	* 1996 12 06.06111	04 38 39.93	+22 41 58.1		098	1996 XZ ₃₂	* 1996 12 06.06111	04 52 54.79	+22 15 04.0		098
1996 XN ₂₆	1996 12 06.08194	04 38 38.71	+22 41 57.2	16.5 V	098	1996 XZ ₃₂	1996 12 06.08194	04 52 53.47	+22 15 03.6		098
1996 XN ₂₆	1996 12 08.03093	04 36 47.34	+22 40 00.2		098	1996 XZ ₃₂	1996 12 08.03093	04 50 49.79	+22 12 43.3		098
1996 XN ₂₆	1996 12 08.05104	04 36 46.25	+22 39 59.3		098	1996 XZ ₃₂	1996 12 08.05104	04 50 48.51	+22 12 41.2	18.0 V	098
1996 XF ₃₂	* 1996 12 04.93090	04 41 57.94	+21 37 56.8		098	1996 XC ₃₃	* 1996 12 04.93090	04 45 35.61	+22 45 18.8		098
1996 XF ₃₂	1996 12 04.95174	04 41 56.46	+21 37 55.4		098	1996 XC ₃₃	1996 12 04.95174	04 45 34.25	+22 45 17.3		098
1996 XF ₃₂	1996 12 06.06111	04 40 41.11	+21 37 17.2		098	1996 XC ₃₃	1996 12 06.06111	04 44 26.03	+22 43 26.6		098
1996 XF ₃₂	1996 12 06.08194	04 40 39.74	+21 37 16.9		098	1996 XC ₃₃	1996 12 06.08194	04 44 24.68	+22 43 24.6		098
1996 XF ₃₂	1996 12 08.03093	04 38 28.74	+21 36 05.6		098	1996 XC ₃₃	1996 12 08.03093	04 42 26.36	+22 40 07.3		098
1996 XF ₃₂	1996 12 08.05104	04 38 27.57	+21 36 06.0	16.5 V	098	1996 XC ₃₃	1996 12 08.05104	04 42 25.25	+22 40 05.8	17.0 V	098
1996 XG ₃₂	* 1996 12 04.93090	04 42 24.95	+21 17 15.1		098	1996 XD ₃₃	* 1996 12 04.93090	04 50 46.78	+23 37 54.3		098
1996 XG ₃₂	1996 12 04.95174	04 42 23.53	+21 17 12.8		098	1996 XD ₃₃	1996 12 04.95174	04 50 45.64	+23 37 55.1		098
1996 XG ₃₂	1996 12 06.06111	04 41 06.73	+21 14 01.9		098	1996 XD ₃₃	1996 12 06.06111	04 49 43.72	+23 38 21.6		098
1996 XG ₃₂	1996 12 06.08194	04 41 05.29	+21 13 58.1		098	1996 XD ₃₃	1996 12 06.08194	04 49 42.66	+23 38 21.1		098
1996 XG ₃₂	1996 12 08.03093	04 38 51.46	+21 08 18.5		098	1996 XD ₃₃	1996 12 08.03093	04 47 54.80	+23 39 02.8		098
1996 XG ₃₂	1996 12 08.05104	04 38 50.15	+21 08 15.3	17.0 V	098	1996 XD ₃₃	1996 12 08.05104	04 47 53.71	+23 39 03.2	16.5 V	098
1996 XH ₃₂	* 1996 12 04.93090	04 47 52.35	+21 50 52.4		098	1996 XL ₃₃	* 1996 12 04.97535	05 11 13.42	+23 46 26.6		098
1996 XH ₃₂	1996 12 04.95174	04 47 50.89	+21 50 49.6		098	1996 XL ₃₃	1996 12 06.01770	05 10 02.82	+23 49 43.5		098
1996 XH ₃₂	1996 12 06.06111	04 46 29.76	+21 49 17.2		098	1996 XL ₃₃	1996 12 06.03854	05 10 01.26	+23 49 46.2		098
1996 XH ₃₂	1996 12 06.08194	04 46 28.16	+21 49 16.1		098	1996 XL ₃₃	1996 12 08.07044	05 07 41.86	+23 55 58.6		098
1996 XH ₃₂	1996 12 08.03093	04 44 07.11	+21 46 32.9		098	1996 XL ₃₃	1996 12 08.09271	05 07 40.41	+23 56 03.2	18.0 V	098
1996 XH ₃₂	1996 12 08.05104	04 44 05.83	+21 46 31.1	17.0 V	098	1996 XM ₃₃	* 1996 12 04.97535	05 06 42.49	+23 03 49.5		098
1996 XJ ₃₂	* 1996 12 04.93090	04 48 03.70	+22 14 45.0		098	1996 XM ₃₃	1996 12 04.99618	05 06 41.14	+23 03 50.9		098
1996 XJ ₃₂	1996 12 04.95174	04 48 02.45	+22 14 44.1		098	1996 XM ₃₃	1996 12 08.07044	05 03 31.40	+23 03 19.7		098
1996 XJ ₃₂	1996 12 06.06111	04 47 02.45	+22 13 38.9		098	1996 XM ₃₃	1996 12 08.09271	05 03 30.12	+23 03 19.8	17.5 V	098
1996 XJ ₃₂	1996 12 06.08194	04 47 01.36	+22 13 36.3		098	1996 XN ₃₃	* 1996 12 04.97535	05 07 44.80	+21 56 57.9		098
1996 XJ ₃₂	1996 12 08.03093	04 45 16.51	+22 11 39.6		098	1996 XN ₃₃	1996 12 04.99618	05 07 43.59	+21 57 00.5		098
1996 XJ ₃₂	1996 12 08.05104	04 45 15.51	+22 11 39.2	17.0 V	098	1996 XN ₃₃	1996 12 06.01770	05 06 43.93	+21 59 24.4		098
1996 XV ₃₂	* 1996 12 04.93090	04 43 37.37	+22 43 22.6		098	1996 XN ₃₃	1996 12 06.03854	05 06 42.69	+21 59 26.7	16.5 V	098
1996 XV ₃₂	1996 12 04.95174	04 43 36.08	+22 43 17.3		098	(1962)	1996 12 04.97535	05 11 39.83	+25 08 53.7		098
1996 XV ₃₂	1996 12 06.06111	04 42 34.29	+22 38 31.7		098	(1962)	1996 12 04.99618	05 11 38.63	+25 08 53.5		098
1996 XV ₃₂	1996 12 06.08194	04 42 33.26	+22 38 26.5		098	(1962)	1996 12 06.01770	05 10 41.41	+25 08 07.4		098
1996 XV ₃₂	1996 12 08.03093	04 40 45.08	+22 30 02.9		098	(1962)	1996 12 06.03854	05 10 40.15	+25 08 07.2		098
1996 XV ₃₂	1996 12 08.05104	04 40 44.06	+22 29 56.2	17.5 V	098	(1962)	1996 12 08.07044	05 08 45.96	+25 06 28.3		098
1996 XW ₃₂	* 1996 12 04.93090	04 51 04.52	+23 24 39.3		098	(1962)	1996 12 08.09271	05 08 44.86	+25 06 27.5	15.5 V	098
1996 XW ₃₂	1996 12 04.95174	04 51 02.95	+23 24 34.9		098	(2114)	1996 12 06.06111	04 36 38.27	+22 47 38.4		098
1996 XW ₃₂	1996 12 06.06111	04 49 40.45	+23 19 45.4		098	(2114)	1996 12 06.08194	04 36 37.32	+22 47 37.0	16.0 V	098
1996 XW ₃₂	1996 12 06.08194	04 49 38.91	+23 19 39.8		098	(2114)	1996 12 08.03093	04 34 58.25	+22 44 22.1		098
1996 XW ₃₂	1996 12 08.03093	04 47 14.86	+23 11 03.5		098	(2114)	1996 12 08.05104	04 34 57.40	+22 44 19.9		098
1996 XW ₃₂	1996 12 08.05104	04 47 13.45	+23 10 58.0	17.0 V	098	(2751)	1996 12 04.97535	05 06 59.74	+22 25 48.5		098
1996 XX ₃₂	* 1996 12 04.93090	04 52 00.76	+22 07 57.9		098	(2751)	1996 12 04.99618	05 06 58.39	+22 25 45.6		098

(2751)	1996 12 06.01770	05 05 55.07	+22 23 13.5		098	1982 UE	1996 12 29.05343	06 33 11.10	+25 01 02.2	16.2 V	104
(2751)	1996 12 06.03854	05 05 53.71	+22 23 10.4	14.5 V	098	1982 UE	1996 12 29.06137	06 33 10.45	+25 01 04.6		104
(3112)	1996 12 04.97535	05 08 20.15	+23 40 53.5		098	1982 UE	1996 12 29.06498	06 33 10.18	+25 01 05.4		104
(3112)	1996 12 04.99618	05 08 18.61	+23 40 54.1		098	1993 XN ₂	1996 12 28.80181	00 59 08.90	+24 35 09.3	17.0 V	104
(3112)	1996 12 06.01770	05 07 06.72	+23 41 00.8		098	1993 XN ₂	1996 12 28.80336	00 59 09.25	+24 35 14.8		104
(3112)	1996 12 06.03854	05 07 05.23	+23 41 00.2		098	1993 XN ₂	1996 12 28.80682	00 59 09.92	+24 35 26.9		104
(3112)	1996 12 08.07044	05 04 41.91	+23 41 02.8		098	1993 XN ₂	1996 12 28.80995	00 59 10.46	+24 35 37.0		104
(3112)	1996 12 08.09271	05 04 40.53	+23 41 03.5	16.0 V	098	1994 EF ₃	1996 12 29.00211	08 21 03.23	+16 45 57.2	17.5 V	104
(3652)	1996 12 04.97535	05 12 12.26	+22 17 21.8		098	1994 EF ₃	1996 12 29.01197	08 21 02.69	+16 45 59.0		104
(3652)	1996 12 04.99618	05 12 10.97	+22 17 19.7		098	1994 EF ₃	1996 12 29.01955	08 21 02.36	+16 45 59.8		104
(3652)	1996 12 06.01770	05 11 01.07	+22 15 06.8		098	1995 OD	1996 12 15.96181	07 09 03.71	+24 02 11.1		104
(3652)	1996 12 06.03854	05 10 59.56	+22 15 03.3		098	1995 OD	1996 12 15.96771	07 09 03.38	+24 02 11.6		104
(3652)	1996 12 08.07044	05 08 40.40	+22 10 35.4		098	1995 OD	1996 12 15.97292	07 09 03.03	+24 02 12.3		104
(3652)	1996 12 08.09271	05 08 39.09	+22 10 33.0	16.0 V	098	1995 OD	1997 01 01.80208	06 50 27.63	+24 23 43.6		104
(3791)	1996 12 06.06111	04 47 31.25	+24 17 32.9		098	1995 OD	1997 01 01.80660	06 50 27.30	+24 23 43.9		104
(3791)	1996 12 06.08194	04 47 30.03	+24 17 30.9		098	1995 PC	1996 12 15.99688	04 49 57.70	+22 45 16.0		104
(3791)	1996 12 08.03093	04 45 37.97	+24 14 02.1		098	1995 PC	1996 12 16.00243	04 49 57.38	+22 45 15.6		104
(3791)	1996 12 08.05104	04 45 36.90	+24 13 59.9		098	1995 PC	1996 12 16.01098	04 49 56.94	+22 45 14.9		104
(3908)	1996 12 06.06111	04 48 27.22	+24 23 01.7		098	1995 SZ ₄	1996 12 15.93715	06 55 43.33	+18 37 28.7		104
(3908)	1996 12 06.08194	04 48 28.76	+24 22 42.8		098	1995 SZ ₄	1996 12 15.94201	06 55 43.06	+18 37 28.8		104
(3908)	1996 12 08.03093	04 51 12.07	+23 56 08.2		098	1995 SZ ₄	1996 12 15.94688	06 55 42.78	+18 37 28.8		104
(3908)	1996 12 08.05104	04 51 13.27	+23 55 54.4		098	1995 SZ ₄	1997 01 01.82928	06 38 48.86	+18 48 16.1		104
(4814)	1996 12 04.93090	04 44 09.19	+20 27 38.6		098	1995 SZ ₄	1997 01 01.83565	06 38 48.47	+18 48 16.5		104
(4814)	1996 12 04.95174	04 44 08.22	+20 27 37.0		098	1995 SZ ₄	1997 01 14.84845	06 26 13.17	+19 01 30.6		104
(4814)	1996 12 06.06111	04 43 09.93	+20 26 06.3		098	1995 SZ ₄	1997 01 14.85313	06 26 12.92	+19 01 31.0		104
(4814)	1996 12 06.08194	04 43 08.91	+20 26 03.6	17.0 V	098	1995 SZ ₄	1997 01 14.85741	06 26 12.65	+19 01 31.4		104
(4814)	1996 12 08.03093	04 41 27.49	+20 23 22.1		098	1995 UP ₆	1997 01 15.78229	07 53 19.10	+01 52 06.4		104
(4814)	1996 12 08.05104	04 41 26.53	+20 23 19.8		098	1995 UP ₆	1997 01 15.79265	07 53 18.49	+01 52 07.0		104
(5698)	1996 12 04.97535	05 07 13.59	+22 58 14.8		098	1995 UP ₆	1997 01 15.79734	07 53 18.20	+01 52 07.4		104
(5698)	1996 12 06.01770	05 06 18.72	+22 57 26.7		098	1995 UP ₆	1997 01 16.87063	07 52 16.74	+01 53 19.5		104
(5698)	1996 12 06.03854	05 06 17.51	+22 57 25.0		098	1995 UP ₆	1997 01 16.87570	07 52 16.45	+01 53 19.8		104
(5698)	1996 12 08.07044	05 04 30.10	+22 55 46.0		098	1995 UP ₆	1997 01 16.88316	07 52 15.94	+01 53 20.3		104
(5698)	1996 12 08.09271	05 04 29.07	+22 55 45.3	17.0 V	098	1995 UP ₆	1997 01 17.86167	07 51 20.17	+01 54 35.0		104
(5742)	1996 12 04.93090	04 45 34.86	+20 18 57.4		098	1995 UP ₆	1997 01 17.86840	07 51 19.75	+01 54 35.7		104
(5742)	1996 12 04.95174	04 45 33.66	+20 18 59.4		098	1995 UP ₆	1997 01 17.87361	07 51 19.44	+01 54 36.1		104
(5742)	1996 12 06.06111	04 44 31.00	+20 21 05.9		098	1996 OO ₂	1996 12 28.78264	03 55 47.66	+34 13 36.0	17.8 V	104
(5742)	1996 12 06.08194	04 44 29.90	+20 21 07.8	16.5 V	098	1996 OO ₂	1996 12 28.79002	03 55 47.40	+34 13 33.6		104
(5742)	1996 12 08.03093	04 42 40.04	+20 24 48.6		098	1996 RD ₄	1996 12 15.88071	03 04 37.29	+21 34 23.4		104
(5742)	1996 12 08.05104	04 42 39.10	+20 24 51.0		098	1996 RD ₄	1996 12 15.88646	03 04 37.08	+21 34 23.6		104
(5925)	1996 12 04.93090	04 42 54.31	+22 58 23.0		098	1996 RD ₄	1996 12 15.89167	03 04 36.88	+21 34 23.9		104
(5925)	1996 12 04.95174	04 42 52.76	+22 58 22.2		098	1996 RD ₄	1997 01 14.79097	02 58 16.08	+22 10 10.0		104
(5925)	1996 12 06.06111	04 41 35.85	+22 57 45.3		098	1996 RD ₄	1997 01 14.80521	02 58 16.25	+22 10 11.9		104
(5925)	1996 12 06.08194	04 41 34.50	+22 57 45.5		098	1996 RD ₄	1997 01 14.81227	02 58 16.33	+22 10 12.9		104
(5925)	1996 12 08.03093	04 39 19.66	+22 56 37.1		098	1996 UL ₁	1996 12 15.82014	01 44 33.88	+06 03 00.7		104
(5925)	1996 12 08.05104	04 39 18.37	+22 56 36.3	16.3 V	098	1996 UL ₁	1996 12 15.83403	01 44 33.95	+06 03 00.0		104
104 San Marcello Pistoiese						1996 UL ₁	1996 12 15.86555	01 44 34.12	+06 02 58.0		104
L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San						1996 UL ₁	1997 01 01.77407	01 49 09.10	+06 05 00.0		104
Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it]						1996 UL ₁	1997 01 01.77859	01 49 09.24	+06 05 00.4		104
Observers L. Tesi, G. Cattani, A. Boattini						1996 UL ₁	1997 01 01.78455	01 49 09.40	+06 05 00.9		104
Measurers L. Tesi, G. Forti, A. Boattini						1996 UL ₁	1997 01 14.82512	01 56 29.24	+06 32 38.0		104
0.40-m <i>f</i> /5 reflector + CCD						1996 UL ₁	1997 01 14.83090	01 56 29.46	+06 32 39.1		104
GSC						1996 UL ₁	1997 01 14.83611	01 56 29.67	+06 32 40.0		104

1996 VS	1996 12 15.80417	00 59 16.37	+02 51 19.4	104
1996 VS	1996 12 15.92170	00 59 17.88	+02 51 23.7	104
1996 VS	1997 01 01.72361	01 05 22.57	+03 16 58.0	104
1996 VS	1997 01 01.72795	01 05 22.70	+03 16 58.5	104
1996 VS	1997 01 01.73414	01 05 22.87	+03 16 59.3	104
1996 VS	1997 01 14.73299	01 13 03.38	+03 56 40.5	104
1996 VS	1997 01 14.74269	01 13 03.78	+03 56 42.7	104
1996 VU ₂	1996 12 15.77336	01 05 40.90	+04 27 04.3	104
1996 VU ₂	1996 12 15.77951	01 05 41.08	+04 27 05.7	104
1996 VU ₂	1996 12 15.78576	01 05 41.26	+04 27 07.3	104
1996 VU ₂	1996 12 15.79063	01 05 41.41	+04 27 08.4	104
1996 VU ₂	1996 12 16.85174	01 06 15.37	+04 30 57.0	104
1996 VU ₂	1996 12 16.85833	01 06 15.60	+04 30 58.5	104
1996 VU ₂	1996 12 16.86528	01 06 15.83	+04 31 00.4	104
1996 VU ₂	1997 01 01.74653	01 17 42.44	+05 46 12.8	104
1996 VU ₂	1997 01 01.75162	01 17 42.72	+05 46 15.7	104
1996 VU ₂	1997 01 14.75799	01 30 40.85	+07 08 13.3	104
1996 VU ₂	1997 01 14.76146	01 30 41.12	+07 08 15.1	104
1996 VU ₂	1997 01 14.76563	01 30 41.40	+07 08 16.9	104
1996 VU ₂	1997 01 14.77222	01 30 41.88	+07 08 20.2	104
1996 XF ₂	1996 12 28.93514	04 04 43.41	+21 30 32.4	17.9 V 104
1996 XF ₂	1996 12 28.94369	04 04 43.00	+21 30 34.8	104
1996 XF ₂	1996 12 28.94900	04 04 42.76	+21 30 36.5	104
1996 XF ₂	1996 12 28.95291	04 04 42.66	+21 30 37.3	104
1996 XF ₂	1996 12 28.95939	04 04 42.38	+21 30 38.6	104
1997 AC ₁₆	1997 01 15.81007	07 59 31.25	+20 02 57.5	18.5 V 104
1997 AC ₁₆	1997 01 15.82674	07 59 30.18	+20 03 04.8	104
1997 AC ₁₆	1997 01 15.84311	07 59 29.12	+20 03 11.9	104
1997 AC ₁₆	1997 01 16.78611	07 58 28.70	+20 09 44.4	104
1997 AC ₁₆	1997 01 16.78889	07 58 28.52	+20 09 45.8	104
1997 AC ₁₆	1997 01 16.79327	07 58 28.24	+20 09 47.8	104
1997 AC ₁₆	1997 01 17.81944	07 57 22.40	+20 16 54.7	104
1997 AC ₁₆	1997 01 17.82639	07 57 21.97	+20 16 57.8	104
1997 AC ₁₆	1997 01 17.83021	07 57 21.69	+20 16 59.6	104
1997 AC ₁₆	1997 01 18.75373	07 56 22.48	+20 23 20.9	104
1997 AC ₁₆	1997 01 18.75938	07 56 22.18	+20 23 23.0	104
1997 AC ₁₆	1997 01 18.76493	07 56 21.86	+20 23 25.4	104
1997 AQ ₁₈	1997 01 16.80451	07 59 00.65	+19 54 20.7	17.5 V 104
1997 AQ ₁₈	1997 01 16.81076	07 58 59.12	+19 54 15.0	104
1997 AQ ₁₈	1997 01 16.82176	07 58 56.53	+19 54 06.0	104
1997 AQ ₁₈	1997 01 16.83021	07 58 54.61	+19 53 59.2	104
1997 AQ ₁₈	1997 01 16.83438	07 58 53.58	+19 53 55.9	104
1997 AQ ₁₈	1997 01 16.84827	07 58 50.37	+19 53 43.1	104
1997 AQ ₁₈	1997 01 16.86117	07 58 47.21	+19 53 32.5	104
1997 AQ ₁₈	1997 01 16.88994	07 58 40.35	+19 53 07.4	104
1997 AQ ₁₈	1997 01 16.90174	07 58 37.57	+19 52 57.7	104
1997 AQ ₁₈	1997 01 16.92951	07 58 30.98	+19 52 34.0	104
1997 AY ₂₁	* 1997 01 15.81950	08 00 09.51	+19 41 03.8	18.3 V 104
1997 AY ₂₁	1997 01 15.83229	08 00 08.73	+19 41 09.3	104
1997 AY ₂₁	1997 01 15.85469	08 00 07.28	+19 41 17.6	104
1997 AY ₂₁	1997 01 16.80660	07 59 08.92	+19 46 56.7	104
1997 AY ₂₁	1997 01 16.81077	07 59 08.73	+19 46 58.3	104

1997 AY ₂₁	1997 01 16.83021	07 59 07.55	+19 47 03.6	104
1997 AY ₂₁	1997 01 16.83438	07 59 07.23	+19 47 06.2	104
1997 AY ₂₁	1997 01 17.84028	07 58 05.59	+19 53 01.5	104
1997 AY ₂₁	1997 01 17.84549	07 58 05.30	+19 53 03.6	104
1997 AY ₂₁	1997 01 17.85000	07 58 05.03	+19 53 05.3	104
(2058)	1997 01 14.75799	01 30 28.33	+07 08 19.8	17.5 V 104
(2058)	1997 01 14.76146	01 30 28.44	+07 08 20.9	104
(2058)	1997 01 14.76563	01 30 28.58	+07 08 22.3	104
(2058)	1997 01 16.76024	01 31 41.72	+07 17 19.7	104
(2058)	1997 01 16.76563	01 31 41.96	+07 17 21.5	104
(2058)	1997 01 16.77228	01 31 42.23	+07 17 23.6	104
(2058)	1997 01 17.73403	01 32 18.59	+07 21 48.1	104
(2058)	1997 01 17.74340	01 32 19.07	+07 21 50.5	104
(2058)	1997 01 17.75226	01 32 19.52	+07 21 53.3	104
(2058)	1997 01 18.73333	01 32 57.36	+07 26 27.3	104
(2058)	1997 01 18.73750	01 32 57.51	+07 26 28.4	104
(2058)	1997 01 18.74167	01 32 57.67	+07 26 29.5	104

107 Cavezzo

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Observers R. Calanca, R. Bonomi, M. Pietri, F. Gualdi, A. Bellentani, G. Testa,
M. Zucchi, M. Reda, G. Losi, I. Colarusso

Measurers R. Calanca, R. Bonomi

0.40-m $f/5.5$ reflector + CCD

GSC

1996 TW ₅₉	1996 09 16.89005	00 00 02.78	+07 07 34.9	17.5 V 107
1996 TW ₅₉	1996 09 16.89826	00 00 02.30	+07 07 35.0	107
1996 TW ₅₉	1996 09 16.90440	00 00 01.93	+07 07 35.1	107
1997 AB ₁	1997 01 12.90595	07 58 46.55	+24 38 27.1	17.6 V 107
1997 AB ₁	1997 01 12.92616	07 58 45.31	+24 38 33.1	17.6 V 107
1997 AB ₁	1997 01 13.86064	07 57 38.80	+24 43 45.3	107
1997 AB ₁	1997 01 13.86323	07 57 38.63	+24 43 46.3	107
1997 AB ₁	1997 01 13.86573	07 57 38.42	+24 43 47.2	107

108 Montelupo

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Observers M. Tombelli, G. Forti

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

GSC

1994 EF ₃	1997 01 15.97004	08 04 18.89	+18 37 08.4	108
1994 EF ₃	1997 01 15.98216	08 04 18.16	+18 37 13.8	108
1994 EF ₃	1997 01 15.98863	08 04 17.56	+18 37 17.4	17.5 V 108
1994 EL ₃	1997 01 14.95895	07 33 02.30	+05 06 20.7	108
1994 EL ₃	1997 01 15.94677	07 32 03.79	+05 12 01.9	108
1994 EL ₃	1997 01 15.95765	07 32 03.06	+05 12 05.6	108
1994 EL ₃	1997 01 15.96446	07 32 02.72	+05 12 07.3	17.0 V 108
1994 FB	1997 01 15.90694	07 27 38.52	+17 42 20.2	108
1994 FB	1997 01 15.92483	07 27 37.28	+17 42 21.9	108
1994 FB	1997 01 15.93593	07 27 36.47	+17 42 23.9	108
1994 FB	1997 01 15.95217	07 27 35.26	+17 42 27.8	16.9 V 108
1994 PA ₁	1997 01 17.01573	10 38 40.69	-00 22 26.7	108

1994 PA ₁	1997 01 17.02297	10 38 40.45	−00 22 23.9		108
1994 PA ₁	1997 01 17.03675	10 38 40.16	−00 22 20.5	17.5 V	108
1996 VZ ₅	1996 12 15.75370	04 50 52.61	+26 42 16.7		108
1996 VZ ₅	1996 12 15.75676	04 50 52.21	+26 42 21.1		108
1996 VZ ₅	1996 12 15.76773	04 50 51.08	+26 42 32.8		108
1996 VZ ₅	1996 12 15.85058	04 50 42.77	+26 44 10.1		108
1996 XL ₂₆	1996 12 15.86318	04 34 02.97	+20 02 55.7	18.0 V	108
1996 XL ₂₆	1996 12 15.87868	04 34 02.22	+20 02 55.3		108
1996 XL ₂₆	1996 12 15.88845	04 34 01.56	+20 02 57.3		108
1996 XL ₂₆	1996 12 15.91576	04 33 59.77	+20 02 56.6		108
1996 XK ₃₁	1997 01 15.90694	07 26 58.70	+17 42 17.9		108
1996 XK ₃₁	1997 01 15.92483	07 26 57.69	+17 42 22.8		108
1996 XK ₃₁	1997 01 15.93183	07 26 57.18	+17 42 24.2		108
1996 XK ₃₁	1997 01 15.93593	07 26 56.93	+17 42 25.5		108
1996 XK ₃₁	1997 01 15.95217	07 26 56.03	+17 42 29.1	17.5 V	108
1996 XK ₃₁	1997 01 16.81490	07 26 06.57	+17 45 37.2		108
1996 XK ₃₁	1997 01 16.83210	07 26 05.58	+17 45 42.5		108
1997 AC ₁₁	1997 01 15.99167	10 31 43.20	+24 19 43.8		108
1997 AC ₁₁	1997 01 15.99358	10 31 43.64	+24 20 12.7		108
1997 AQ ₁₈	1997 01 16.91593	07 58 34.15	+19 52 43.4		108
1997 AQ ₁₈	1997 01 16.92329	07 58 32.49	+19 52 38.5		108
1997 AQ ₁₈	1997 01 16.93300	07 58 30.15	+19 52 33.7	17.5 V	108
(1627)	1997 01 16.02046	08 49 40.62	+15 44 32.3		108
(1627)	1997 01 16.02819	08 49 40.06	+15 44 35.8		108
(1627)	1997 01 16.04124	08 49 39.03	+15 44 42.2	17.0 V	108
(2750)	1997 01 16.98356	08 53 19.40	+27 28 33.3		108
(2750)	1997 01 17.00330	08 53 18.11	+27 28 40.3		108
(2750)	1997 01 17.01123	08 53 17.55	+27 28 43.8	15.5 V	108
(3447)	1997 01 17.05023	10 16 03.01	+45 14 06.0	15.7 V	108
(3447)	1997 01 17.05885	10 16 02.49	+45 14 08.1		108
(3447)	1997 01 17.06250	10 16 02.16	+45 14 09.8		108
(3908)	1996 12 15.87315	04 59 52.59	+22 31 30.1		108
(3908)	1996 12 15.89425	04 59 53.53	+22 31 19.2		108
(4986)	1997 01 16.98073	08 06 56.68	+09 25 27.6		108
(4986)	1997 01 16.99904	08 06 55.65	+09 25 29.9		108
(4986)	1997 01 17.00729	08 06 55.18	+09 25 32.0	16.0 V	108
(5742)	1996 12 15.76279	04 35 34.10	+20 39 27.0	16.5 V	108
(5742)	1996 12 15.78884	04 35 32.69	+20 39 28.5		108
(5742)	1996 12 15.79960	04 35 32.03	+20 39 31.4		108
(5742)	1996 12 15.83283	04 35 30.48	+20 39 32.6	16.5 V	108
(5742)	1996 12 15.84230	04 35 29.82	+20 39 33.8		108

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Observers P. Antolini, F. Castellani, G. Pinazzi

0.60-m $f/3.0$ reflector + CCD

GSC

1996 VH ₄	1996 12 26.91430	05 25 54.44	+26 57 38.4	17.1 V	112
1996 VH ₄	1996 12 26.92170	05 25 54.01	+26 57 39.4		112
1996 VH ₄	1996 12 26.93107	05 25 53.24	+26 57 41.0		112
1996 VH ₄	1996 12 27.08377	05 25 43.17	+26 58 16.7		112
1996 VH ₄	1996 12 27.08547	05 25 43.07	+26 58 18.5		112

1996 VH ₄	1996 12 27.08802	05 25 42.99	+26 58 19.1		112
1996 VH ₄	1997 01 11.99330	05 10 55.26	+27 53 36.6	18.0 V	112
1996 VH ₄	1997 01 12.00466	05 10 54.74	+27 53 38.3		112
1996 XT ₂	1996 12 21.10081	05 45 31.97	+29 53 57.2	17.0 V	112
1996 XT ₂	1996 12 26.87727	05 36 07.50	+31 58 59.5	16.4 V	112
1996 XT ₂	1996 12 26.89136	05 36 06.12	+31 59 17.1		112
1996 XT ₂	1996 12 26.89662	05 36 05.68	+31 59 22.3		112
1996 XT ₂	1997 01 11.85795	05 14 23.81	+36 32 34.3	17.0 V	112
1996 XT ₂	1997 01 11.86935	05 14 23.06	+36 32 43.2		112
1996 XT ₂	1997 01 11.92253	05 14 19.61	+36 33 26.5		112
1996 XT ₂	1997 01 11.92965	05 14 19.12	+36 33 32.8		112
1996 XX ₂	1996 12 26.91430	05 25 52.67	+26 58 31.0	17.3 V	112
1996 XX ₂	1996 12 26.92170	05 25 52.10	+26 58 30.9		112
1996 XX ₂	1996 12 26.93107	05 25 51.46	+26 58 28.6		112
1996 XX ₂	1996 12 27.08377	05 25 42.06	+26 58 23.1		112
1996 XX ₂	1996 12 27.08547	05 25 42.10	+26 58 23.5		112
1996 XX ₂	1996 12 27.08802	05 25 41.87	+26 58 21.6		112
1996 XF ₅	1996 12 29.94636	05 21 42.44	+24 57 22.2	17.9 V	112
1996 XF ₅	1996 12 29.99258	05 21 39.63	+24 57 20.1		112
1996 XF ₅	1996 12 30.00127	05 21 39.13	+24 57 19.8		112
1996 XG ₅	1996 12 29.88437	05 19 11.16	+25 48 35.4	17.8 V	112
1996 XG ₅	1996 12 29.89159	05 19 10.69	+25 48 35.4		112
1996 XG ₅	1996 12 29.90016	05 19 10.19	+25 48 35.9		112
1996 XG ₅	1996 12 29.92397	05 19 08.77	+25 48 37.2		112
1996 XG ₅	1996 12 29.92855	05 19 08.55	+25 48 37.0		112
1996 XG ₅	1997 01 11.89742	05 09 10.00	+25 51 19.7	17.5 V	112
1996 XG ₅	1997 01 11.95275	05 09 08.08	+25 51 20.9		112
1996 XG ₅	1997 01 11.96182	05 09 07.75	+25 51 20.1		112

113 Volkssternwarte Drebach, Schönbrunn

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Observers G. Lehmann, J. Kandler

0.18-m $f/9$ refractor + CCD

GSC

1988 VS ₆	1996 12 04.77110	01 57 05.80	+10 15 15.2	16.9 V	113
1988 VS ₆	1996 12 04.79010	01 57 05.53	+10 15 12.0	16.9 V	113
1988 VS ₆	1996 12 04.82521	01 57 05.07	+10 15 06.7	17.0 V	113
1988 VS ₆	1996 12 12.71848	01 56 06.66	+10 01 58.5	17.2 V	113
1988 VS ₆	1996 12 12.75573	01 56 06.47	+10 01 56.9	17.0 V	113
1990 TD ₈	1996 11 22.81383	05 03 01.12	+21 41 55.3	16.8 V	113
1990 TD ₈	1996 11 22.82179	05 03 00.80	+21 41 55.0	17.4 V	113
1990 TD ₈	1996 11 22.82853	05 03 00.51	+21 41 53.9	17.1 V	113
1990 TD ₈	1996 11 22.83443	05 02 59.95	+21 41 51.3	18.4 V	113
1990 TD ₈	1996 12 04.85692	04 52 21.13	+21 25 30.2	16.3 V	113
1990 TD ₈	1996 12 04.86344	04 52 20.78	+21 25 29.3	16.3 V	113
1990 TD ₈	1996 12 04.86883	04 52 20.47	+21 25 29.4	16.5 V	113
1990 TD ₈	1996 12 04.87321	04 52 20.24	+21 25 29.9	16.6 V	113
1990 TD ₈	1996 12 04.87853	04 52 19.96	+21 25 29.7	16.4 V	113
1990 TD ₈	1996 12 04.88726	04 52 19.42	+21 25 28.0	16.1 V	113
1990 TD ₈	1996 12 12.79538	04 45 15.77	+21 14 03.1	16.8 V	113
1990 TD ₈	1996 12 12.80057	04 45 15.56	+21 14 02.7	16.6 V	113
1990 TD ₈	1996 12 12.80552	04 45 15.25	+21 14 03.0	16.9 V	113

1990 TD ₈	1996 12 12.81274	04 45 14.86	+21 14 01.6	16.4 V	113
1990 TD ₈	1996 12 28.85286	04 33 17.36	+20 54 08.0	16.7 V	113
1990 TD ₈	1996 12 28.86073	04 33 17.04	+20 54 07.7	16.5 V	113
1990 TD ₈	1996 12 28.86678	04 33 16.85	+20 54 06.9	16.8 V	113
1990 TD ₈	1996 12 28.87177	04 33 16.64	+20 54 06.7	16.5 V	113
1990 TK ₈	1996 12 28.95191	06 21 44.14	+35 55 37.3	17.4 V	113
1990 TK ₈	1996 12 28.97257	06 21 42.77	+35 55 40.5	17.2 V	113
1990 TK ₈	1996 12 28.99623	06 21 41.28	+35 55 43.5	18.0 V	113
1991 TF ₇	1996 11 22.88545	04 58 49.18	+13 24 54.5	16.6 V	113
1991 TF ₇	1996 11 22.90000	04 58 48.37	+13 24 49.0	16.7 V	113
1991 TF ₇	1996 11 22.90762	04 58 47.93	+13 24 46.1	16.7 V	113
1991 TF ₇	1996 12 04.91383	04 47 19.16	+12 13 35.1	16.8 V	113
1991 TF ₇	1996 12 04.91998	04 47 18.75	+12 13 33.6	16.7 V	113
1991 TF ₇	1996 12 04.92597	04 47 18.35	+12 13 32.5	16.4 V	113
1991 TF ₇	1996 12 04.93065	04 47 18.08	+12 13 31.3	16.6 V	113
1991 TF ₇	1996 12 12.82490	04 39 29.92	+11 32 40.7	16.1 V	113
1991 TF ₇	1996 12 12.83133	04 39 29.56	+11 32 38.8	16.0 V	113
1991 TF ₇	1996 12 12.83731	04 39 29.20	+11 32 37.1	16.0 V	113
1991 TF ₇	1996 12 28.88167	04 25 46.56	+10 33 41.6	16.5 V	113
1991 TF ₇	1996 12 28.88847	04 25 46.28	+10 33 40.1	16.4 V	113
1991 TF ₇	1996 12 28.89434	04 25 46.02	+10 33 39.0	16.5 V	113
(3799)	1996 12 04.78146	01 57 55.25	+10 21 59.9	16.9 V	113
(3799)	1996 12 04.80123	01 57 54.84	+10 21 58.2	18.2 V	113
(3799)	1996 12 04.83376	01 57 54.15	+10 21 53.9	17.2 V	113

116 Giesing

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[100341.75@compuserve.com]

Observer P. Sala

0.20-m reflector + CCD

1994 PC ₁	1997 01 15.82076	03 46 55.93	-28 11 37.7	13.9 R	116
1994 PC ₁	1997 01 15.82174	03 46 54.91	-28 11 24.0	13.9 R	116
1994 PC ₁	1997 01 15.82244	03 46 54.12	-28 11 11.1	14.2 R	116
1994 PC ₁	1997 01 15.82315	03 46 53.45	-28 11 02.1	13.7 R	116
1994 PC ₁	1997 01 15.82385	03 46 52.92	-28 10 53.7	14.1 R	116
1994 PC ₁	1997 01 15.82456	03 46 52.19	-28 10 41.7	13.8 R	116
1994 PC ₁	1997 01 15.82830	03 46 48.24	-28 09 44.7	14.3 R	116
1994 PC ₁	1997 01 15.83125	03 46 45.36	-28 09 00.8	14.0 R	116
1994 PC ₁	1997 01 15.83250	03 46 44.14	-28 08 42.2	14.3 R	116
1994 PC ₁	1997 01 15.83343	03 46 43.35	-28 08 27.8	14.3 R	116
1994 PC ₁	1997 01 15.83436	03 46 42.35	-28 08 14.3	14.4 R	116
1994 PC ₁	1997 01 16.79711	03 30 25.75	-23 40 30.5	14.3 R	116
1994 PC ₁	1997 01 16.79842	03 30 24.18	-23 40 09.5	13.8 R	116
1994 PC ₁	1997 01 16.79901	03 30 24.10	-23 40 05.8	14.9 R	116
1994 PC ₁	1997 01 16.79960	03 30 22.93	-23 39 50.8	14.7 R	116
1994 PC ₁	1997 01 16.80019	03 30 22.37	-23 39 37.8	14.3 R	116
1994 PC ₁	1997 01 16.80581	03 30 16.20	-23 37 52.4	13.4 R	116
1994 PC ₁	1997 01 16.80697	03 30 15.05	-23 37 31.3	13.2 R	116
1994 PC ₁	1997 01 16.80763	03 30 14.20	-23 37 19.4	13.2 R	116
1994 PC ₁	1997 01 16.80829	03 30 13.64	-23 37 08.9	13.2 R	116
1994 PC ₁	1997 01 16.80895	03 30 12.87	-23 36 54.0	13.3 R	116
1994 PC ₁	1997 01 16.80962	03 30 12.18	-23 36 45.6	13.3 R	116
1994 PC ₁	1997 01 16.81358	03 30 07.76	-23 35 29.2	13.8 R	116

1994 PC ₁	1997 01 16.81459	03 30 06.70	-23 35 11.2	14.0 R	116
1994 PC ₁	1997 01 16.81524	03 30 06.02	-23 35 04.1	14.0 R	116
1994 PC ₁	1997 01 16.81588	03 30 05.22	-23 34 48.4	14.0 R	116
1994 PC ₁	1997 01 16.81652	03 30 04.58	-23 34 38.3	14.2 R	116
1994 PC ₁	1997 01 16.82088	03 29 59.74	-23 33 15.9	14.3 R	116
1994 PC ₁	1997 01 16.82258	03 29 57.83	-23 32 44.0	14.3 R	116

118 Modra

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

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

0.6-m *f*/5.5 reflector + CCD

GSC

1993 XN ₂	1996 12 30.86434	01 05 56.38	+26 30 58.0		118
1993 XN ₂	1996 12 30.86929	01 05 57.34	+26 31 14.0	17.0 R	118
1993 XN ₂	1996 12 30.87369	01 05 58.21	+26 31 28.3		118
1993 XN ₂	1997 01 14.85778	01 54 24.45	+36 43 53.1	18.0 R	118
1993 XN ₂	1997 01 14.86515	01 54 25.87	+36 44 06.2		118
1994 AM ₃	1997 01 14.77348	03 49 39.95	+30 21 49.5		118
1994 AM ₃	1997 01 14.79462	03 49 39.98	+30 21 45.3	17.6 R	118
1995 PV	1996 12 27.89299	07 52 02.71	+31 10 04.7		118
1995 PV	1996 12 27.92589	07 52 00.49	+31 10 10.4		118
1995 PV	1996 12 27.97270	07 51 57.29	+31 10 17.6		118
1995 PV	1996 12 27.98098	07 51 56.72	+31 10 19.0	17.6 R	118
1995 PV	1996 12 29.02602	07 50 46.41	+31 13 01.4		118
1995 PV	1996 12 29.03456	07 50 45.79	+31 13 02.7	17.8 R	118
1995 RC	1996 12 28.19260	12 40 05.10	-06 04 53.2		118
1995 RC	1996 12 28.19701	12 40 05.28	-06 04 56.1	19 R	118
1995 RC	1996 12 29.05634	12 40 50.88	-06 11 35.6		118
1995 RC	1996 12 29.06049	12 40 51.03	-06 11 36.5	18.9 R	118
1995 RC	1997 01 08.19933	12 48 48.10	-07 24 51.4	19.0 R	r 118
1995 RC	1997 01 12.13162	12 51 21.52	-07 50 25.1	18.7 R	r 118
1995 RC	1997 01 12.16035	12 51 22.60	-07 50 35.3		r 118
1996 TO ₅	1997 01 12.70269	01 14 02.72	-22 29 02.6		118
1996 TO ₅	1997 01 12.70836	01 14 04.04	-22 28 54.3		118
1996 TO ₅	1997 01 12.71439	01 14 05.50	-22 28 48.2	18.8 R	118
1996 UA ₃	1996 12 25.69723	02 00 43.56	+09 49 49.3		V 118
1996 UA ₃	1996 12 25.72065	02 00 43.98	+09 50 00.6	19.4 R	V 118
1996 UA ₃	1996 12 26.71147	02 01 07.19	+09 56 59.0		d 118
1996 UA ₃	1996 12 26.73131	02 01 07.59	+09 57 06.2		d 118
1996 UA ₃	1996 12 27.69865	02 01 31.96	+10 03 58.9		118
1996 UA ₃	1996 12 27.70437	02 01 32.04	+10 04 00.9		118
1996 UA ₃	1996 12 27.70902	02 01 32.23	+10 04 03.9	19.4 R	118
1996 UA ₃	1996 12 29.75731	02 02 28.65	+10 18 57.1	19.2 R	118
1996 UA ₃	1996 12 29.76119	02 02 28.80	+10 18 58.1		118
1996 XW ₁	1996 12 27.75504	02 25 57.99	-09 03 06.6		118
1996 XW ₁	1996 12 27.75885	02 25 57.86	-09 03 23.5		118
1996 XW ₁	1996 12 27.76137	02 25 57.79	-09 03 33.0	19.3 R	118
1996 XW ₁	1996 12 29.70709	02 25 25.45	-11 13 10.5		d 118
1996 XW ₁	1996 12 29.71330	02 25 25.31	-11 13 33.5		d 118
1996 XX ₁₄	1996 12 27.84415	05 14 51.22	-20 39 56.5		118
1996 XX ₁₄	1996 12 27.85316	05 14 51.96	-20 39 26.3		118
1996 XX ₁₄	1996 12 27.85618	05 14 52.19	-20 39 16.1	18.5 R	118

1996 YF ₁	* 1996 12 27.89299	07 51 51.51	+31 10 58.1		118	(2743)	1996 12 28.07844	10 36 53.70	−06 52 36.2	17.7 R	118
1996 YF ₁	1996 12 27.92589	07 51 50.97	+31 11 32.7		118	(2743)	1996 12 28.08287	10 36 53.71	−06 52 38.0		118
1996 YF ₁	1996 12 27.98098	07 51 49.92	+31 12 30.6	17.6 R	118	(2743)	1997 01 12.03597	10 34 39.31	−08 12 31.6	17.5 R	r 118
1996 YF ₁	1996 12 29.01039	07 51 33.56	+31 30 21.1		118	(2743)	1997 01 13.10763	10 34 16.95	−08 16 47.1		118
1996 YF ₁	1996 12 29.01295	07 51 33.50	+31 30 23.8		118	(2743)	1997 01 13.11647	10 34 16.74	−08 16 49.0	17.3 R	118
1996 YF ₁	1996 12 29.01834	07 51 33.38	+31 30 29.5	17.6 R	118	(5145)	1997 01 12.20764	13 21 50.12	+16 46 25.3		118
1996 YF ₁	1996 12 29.82372	07 51 19.74	+31 44 31.0	17.5 R	118	(5145)	1997 01 12.21284	13 21 50.18	+16 46 24.6	17.6 R	118
1996 YF ₁	1996 12 30.97762	07 50 55.95	+32 04 52.9		118	(5261)	1997 01 14.87381	04 34 13.33	−00 34 05.2		118
1996 YF ₁	1996 12 30.98039	07 50 55.87	+32 04 55.7		118	(5261)	1997 01 14.88406	04 34 13.28	−00 34 08.8		118
1996 YF ₁	1996 12 30.98421	07 50 55.77	+32 04 59.8	17.5 R	118	(6042)	1996 12 28.12784	10 42 26.47	+24 31 20.5		118
1996 YF ₁	1997 01 08.06582	07 46 55.20	+34 29 35.8		118	(6042)	1996 12 28.13276	10 42 26.44	+24 31 22.9	17.5 R	118
1996 YF ₁	1997 01 08.10705	07 46 53.51	+34 30 18.9	17.1 R	118	(6042)	1996 12 28.13671	10 42 26.42	+24 31 24.7		118
1996 YF ₁	1997 01 11.84402	07 44 26.72	+35 36 05.9	17.3 R	118	(6042)	1997 01 11.98000	10 38 27.04	+26 25 45.1		r 118
1996 YF ₁	1997 01 11.85029	07 44 26.44	+35 36 12.5		118	(6042)	1997 01 11.98469	10 38 26.91	+26 25 47.4	17.9 R	r 118
1996 YF ₁	1997 01 12.81759	07 43 45.66	+35 52 51.9		118	(6042)	1997 01 13.06291	10 37 57.04	+26 34 42.5		118
1996 YF ₁	1997 01 12.82444	07 43 45.34	+35 52 59.0	17.1 R	118	(6042)	1997 01 13.07041	10 37 56.80	+26 34 46.2	17.9 R	118
1996 YF ₁	1997 01 14.96690	07 42 11.60	+36 29 11.6	17.3 R	r 118	(6490)	1997 01 14.90021	05 15 17.01	+30 00 38.4		118
1996 YF ₁	1997 01 14.97037	07 42 11.43	+36 29 15.1		r 118	(6490)	1997 01 14.91072	05 15 16.59	+30 00 34.1	19.2 R	118
1996 YF ₁	1997 01 14.97447	07 42 11.23	+36 29 19.2		r 118	(7301)	1996 12 30.90933	04 05 28.76	+21 21 21.8		118
1996 YG ₁	* 1996 12 27.89299	07 52 11.87	+31 14 04.0		118	(7301)	1996 12 30.91655	04 05 28.53	+21 21 24.0		118
1996 YG ₁	1996 12 27.92589	07 52 09.99	+31 14 19.9		118	(7341)	1996 12 21.69246	21 52 17.35	+09 43 49.9		118
1996 YG ₁	1996 12 27.98098	07 52 06.70	+31 14 44.1	18.1 R	118	(7341)	1996 12 21.69788	21 52 16.12	+09 43 38.6		118
1996 YG ₁	1996 12 28.99594	07 51 08.04	+31 22 16.3		118	(7341)	1996 12 21.69996	21 52 15.63	+09 43 34.1		118
1996 YG ₁	1996 12 28.99951	07 51 07.82	+31 22 18.0	17.9 R	118						
1996 YG ₁	1996 12 29.00266	07 51 07.61	+31 22 19.2		118						
1996 YH ₁	* 1996 12 27.95030	07 07 14.46	+17 47 31.9		118						
1996 YH ₁	1996 12 28.01322	07 07 10.65	+17 47 44.6		118						
1996 YH ₁	1996 12 28.98067	07 06 13.48	+17 51 00.5		118						
1996 YH ₁	1996 12 28.98513	07 06 13.22	+17 51 01.9		118						
1996 YH ₁	1996 12 28.98960	07 06 12.95	+17 51 02.9	18.7 R	118						
1997 AC ₁₁	1997 01 15.08674	10 28 26.10	+20 53 44.9		r 118						
1997 AC ₁₁	1997 01 15.08856	10 28 26.49	+20 54 08.6	17.8 R	r 118						
1997 AC ₁₁	1997 01 15.09205	10 28 27.15	+20 54 54.1		r 118						
1997 AG ₁₆	* 1997 01 13.08850	08 13 45.64	+17 43 25.8		118	(75)	1996 03 19.76312	12 00 59.31	−00 10 26.0		121
1997 AG ₁₆	1997 01 13.17140	08 13 41.03	+17 44 17.5		118	(75)	1996 03 19.78161	12 00 58.34	−00 10 21.0		121
1997 AG ₁₆	1997 01 13.19803	08 13 39.56	+17 44 35.5		118	(75)	1996 03 19.81492	12 00 56.59	−00 10 12.2		121
1997 AG ₁₆	1997 01 14.99672	08 11 59.57	+18 03 44.0	18.9 R	118	(75)	1996 03 19.86514	12 00 53.98	−00 09 58.6		121
1997 AG ₁₆	1997 01 15.00089	08 11 59.35	+18 03 46.1	19.2 R	118	(75)	1996 03 19.88294	12 00 53.06	−00 09 53.9		121
(1862)	1997 01 12.76601	01 45 03.42	+18 40 12.4		118	(75)	1996 03 21.79362	11 59 15.18	−00 01 20.3		121
(1862)	1997 01 12.77274	01 45 04.85	+18 40 20.0	18.1 R	118	(75)	1996 03 21.82399	11 59 13.58	−00 01 12.2		121
(1995)	1997 01 11.98000	10 38 30.20	+26 25 03.2		r 118	(75)	1996 03 21.86044	11 59 11.66	−00 01 02.3		121
(1995)	1997 01 11.98469	10 38 30.11	+26 25 05.0	16.7 R	r 118	(75)	1996 03 21.88326	11 59 10.47	−00 00 56.2		121
(1995)	1997 01 13.06291	10 38 14.51	+26 32 32.7		118	(75)	1996 03 21.90737	11 59 09.22	−00 00 49.8		121
(1995)	1997 01 13.07041	10 38 14.38	+26 32 35.8	16.8 R	118	(75)	1996 03 21.94486	11 59 07.28	−00 00 39.7		121
(2129)	1996 12 28.02177	08 04 23.07	+28 04 42.4		118	(75)	1996 03 21.96843	11 59 06.03	−00 00 33.4		121
(2129)	1996 12 28.02613	08 04 22.77	+28 04 44.3		118	(75)	1996 03 21.98794	11 59 04.96	−00 00 28.2		121
(2129)	1996 12 28.02934	08 04 22.54	+28 04 45.5	17.3 R	118	(75)	1996 03 22.93444	11 58 16.38	+00 03 47.0		121
(2212)	1996 12 30.88815	04 05 19.39	+33 16 16.5		118	(75)	1996 03 22.94448	11 58 15.99	+00 03 49.1		121
(2212)	1996 12 30.89730	04 05 18.63	+33 16 13.7		118	(75)	1996 03 22.95703	11 58 15.27	+00 03 51.8		121
(2212)	1997 01 14.80369	03 48 44.32	+32 00 38.9		118	(124)	1996 09 29.69013	00 30 11.97	+03 19 03.7		121
(2212)	1997 01 14.82100	03 48 43.44	+32 00 34.0		118	(124)	1996 09 29.81637	00 30 05.58	+03 18 15.2		121
(2743)	1996 12 28.07343	10 36 53.72	−06 52 34.0		118	(124)	1996 09 29.85443	00 30 03.64	+03 18 00.4		121

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0.70-m $f/4$ reflector + CCD
GSC

(124)	1996 09 29.90263	00 30 01.17	+03 17 42.0	121	(514)	1996 03 21.83240	07 58 12.77	+17 10 36.2	121
(124)	1996 09 29.94368	00 29 59.08	+03 17 26.0	121	(514)	1996 03 21.92302	07 58 13.49	+17 10 35.6	121
(124)	1996 10 03.77501	00 26 49.57	+02 52 41.8	121	(514)	1996 03 21.93722	07 58 13.61	+17 10 35.9	121
(124)	1996 10 03.78063	00 26 49.26	+02 52 39.0	121	(663)	1995 08 31.82678	23 53 26.56	+20 49 53.3	121
(124)	1996 10 03.78410	00 26 49.10	+02 52 39.4	121	(663)	1995 08 31.84322	23 53 25.95	+20 49 50.5	121
(124)	1996 10 03.80089	00 26 48.26	+02 52 31.7	121	(663)	1995 08 31.90588	23 53 23.59	+20 49 39.9	121
(124)	1996 10 03.80436	00 26 48.08	+02 52 30.3	121	(663)	1995 08 31.92554	23 53 22.83	+20 49 36.5	121
(124)	1996 10 03.80784	00 26 47.91	+02 52 29.0	121	(663)	1995 08 31.99292	23 53 20.33	+20 49 25.2	121
(124)	1996 10 03.80956	00 26 47.81	+02 52 28.4	121	(663)	1995 09 01.03822	23 53 18.64	+20 49 17.3	121
(124)	1996 10 03.81130	00 26 47.73	+02 52 27.7	121	(663)	1995 09 01.05881	23 53 17.89	+20 49 13.5	121
(124)	1996 10 03.81477	00 26 47.56	+02 52 26.5	121	(757)	1996 09 29.98560	04 13 21.12	+25 21 19.6	121
(124)	1996 10 03.81650	00 26 47.48	+02 52 25.6	121	(757)	1996 09 29.98894	04 13 21.17	+25 21 20.9	121
(124)	1996 10 08.67211	00 22 52.63	+02 21 38.6	121	(757)	1996 09 30.00860	04 13 21.53	+25 21 28.7	121
(124)	1996 10 08.75610	00 22 48.58	+02 21 07.3	121	(757)	1996 09 30.06838	04 13 22.58	+25 21 52.2	121
(124)	1996 10 08.75985	00 22 48.40	+02 21 05.9	121	(757)	1996 09 30.08639	04 13 22.90	+25 21 59.2	121
(124)	1996 10 08.76279	00 22 48.26	+02 21 04.9	121	(757)	1996 09 30.99885	04 13 39.98	+25 27 55.1	121
(124)	1996 10 09.68281	00 22 05.03	+02 15 22.7	121	(757)	1996 10 01.00641	04 13 40.09	+25 27 58.0	121
(124)	1996 10 09.69353	00 22 04.52	+02 15 18.6	121	(757)	1996 10 01.00964	04 13 40.17	+25 27 59.1	121
(124)	1996 10 09.72339	00 22 03.11	+02 15 07.7	121	(757)	1996 10 01.02258	04 13 40.35	+25 28 04.5	121
(124)	1996 10 09.73034	00 22 02.74	+02 15 05.2	121	(872)	1996 12 18.80445	05 57 15.36	+12 39 10.2	13.8 V 121
(124)	1996 10 09.78248	00 22 00.26	+02 14 46.0	121	(872)	1996 12 18.84616	05 57 13.01	+12 39 07.7	13.7 V 121
(124)	1996 10 09.82203	00 21 58.42	+02 14 31.3	121	(872)	1996 12 18.88594	05 57 10.69	+12 39 05.5	13.6 V 121
(124)	1996 10 09.85591	00 21 56.76	+02 14 19.0	121	(872)	1996 12 18.90352	05 57 09.68	+12 39 04.6	13.6 V 121
(124)	1996 10 09.86633	00 21 56.28	+02 14 15.1	121	(872)	1996 12 18.93073	05 57 08.11	+12 39 02.6	13.4 V 121
(124)	1996 10 09.90133	00 21 54.62	+02 14 02.1	121	(872)	1996 12 18.97585	05 57 05.53	+12 39 00.5	13.5 V 121
(124)	1996 10 09.91175	00 21 54.02	+02 13 59.0	121	(3908)	1997 01 06.80766	05 18 29.60	+20 45 31.1	121
(217)	1996 04 25.85303	14 16 59.41	−00 22 19.7	121	(3908)	1997 01 06.81808	05 18 30.07	+20 45 30.2	121
(217)	1996 04 25.86633	14 16 58.75	−00 22 14.2	121	(3908)	1997 01 06.83242	05 18 30.75	+20 45 28.4	121
(217)	1996 04 25.88689	14 16 57.71	−00 22 05.6	121	(3908)	1997 01 06.84034	05 18 31.12	+20 45 27.3	121
(217)	1996 04 25.90438	14 16 56.84	−00 21 58.6	121	(4179)	1996 12 29.04025	08 44 11.19	+16 41 55.6	121
(217)	1996 04 25.94869	14 16 54.61	−00 21 39.8	121	(4179)	1996 12 29.06929	08 44 06.83	+16 42 20.0	121
(217)	1996 05 25.78667	13 55 16.14	+01 56 48.4	121	(4179)	1996 12 29.09998	08 44 02.24	+16 42 44.9	121
(217)	1996 05 25.80141	13 55 15.66	+01 56 49.8	121	(4179)	1996 12 29.10623	08 44 01.30	+16 42 49.7	121
(217)	1996 05 25.81906	13 55 15.10	+01 56 52.0	121	(4179)	1996 12 29.11436	08 44 00.11	+16 42 56.3	121
(217)	1996 05 25.83457	13 55 14.62	+01 56 53.6	121	(5407)	1997 01 06.92243	08 45 06.29	+17 49 39.1	121
(217)	1996 05 25.84014	13 55 14.42	+01 56 54.3	121	(5407)	1997 01 06.92590	08 45 06.11	+17 49 41.5	121
(217)	1996 05 25.84847	13 55 14.19	+01 56 55.8	121	(5407)	1997 01 06.94545	08 45 05.08	+17 49 56.2	121
(362)	1996 01 19.82836	08 22 32.53	+32 57 29.5	121	(5407)	1997 01 06.95587	08 45 04.51	+17 50 04.3	121
(362)	1996 01 19.86586	08 22 29.96	+32 57 37.3	121	124 Castres				
(362)	1996 01 19.89744	08 22 27.78	+32 57 43.8	121	A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-				
(362)	1996 01 19.92066	08 22 26.17	+32 57 48.4	121	tlse.fr]				
(362)	1996 01 19.95398	08 22 23.87	+32 57 55.0	121	0.20-m $f/6.15$ reflector + CCD				
(362)	1996 01 19.97299	08 22 22.56	+32 57 58.8	121	GSC				
(362)	1996 01 20.00010	08 22 20.69	+32 58 04.1	121	1994 PC	1996 12 20.89128	05 22 20.14	−02 30 19.1	16.5 124
(362)	1996 01 20.02926	08 22 18.69	+32 58 09.7	121	1994 PC	1996 12 20.90713	05 22 19.37	−02 29 36.3	16.5 124
(514)	1996 03 19.74150	07 57 58.27	+17 10 28.1	121	1994 PC	1997 01 14.91292	05 19 27.64	+12 48 05.9	17.2 124
(514)	1996 03 19.79494	07 57 58.51	+17 10 28.5	121	1994 PC	1997 01 14.91728	05 19 27.77	+12 48 13.1	17.4 124
(514)	1996 03 19.85014	07 57 58.77	+17 10 28.8	121	1994 PC	1997 01 14.92155	05 19 27.90	+12 48 20.3	17.3 124
(514)	1996 03 19.88905	07 57 58.96	+17 10 29.0	121	1994 PC	1997 01 14.92587	05 19 27.97	+12 48 26.5	17.3 124
(514)	1996 03 19.89986	07 57 59.02	+17 10 28.9	121	1994 PC	1997 01 14.93017	05 19 28.12	+12 48 33.9	17.2 124
(514)	1996 03 21.76766	07 58 12.30	+17 10 36.1	121	(28)	1996 12 21.94252	06 42 42.11	+11 17 18.6	9.9 124
(514)	1996 03 21.77932	07 58 12.38	+17 10 36.2	121	(173)	1997 01 14.98927	07 13 32.47	+08 29 20.5	11.6 124

(173)	1997 01 15.00954	07 13 31.33	+08 29 28.9	11.5	124	1990 BS	1996 12 07.87639	04 16 32.98	+22 50 49.0	127
(173)	1997 01 15.01472	07 13 31.05	+08 29 31.2	11.5	124	1990 BS	1996 12 12.80405	04 11 57.87	+22 51 23.9	127
(211)	1996 12 21.92947	05 53 00.80	+22 50 55.9	11.0	124	1990 BS	1996 12 12.81377	04 11 57.33	+22 51 23.9	127
(211)	1997 01 14.94059	05 34 10.91	+22 07 15.4	11.1	124	1990 BV	1996 12 07.80007	03 53 39.03	+08 12 36.4	127
(211)	1997 01 14.94835	05 34 10.65	+22 07 14.6	11.2	124	1990 BV	1996 12 07.80367	03 53 38.86	+08 12 38.0	127
(211)	1997 01 14.96042	05 34 10.25	+22 07 13.4	11.2	124	1990 BV	1996 12 12.82338	03 49 34.63	+08 57 30.8	127
(427)	1997 01 11.97974	07 35 17.17	+22 24 29.8	13.8	124	1990 BV	1996 12 12.82552	03 49 34.53	+08 57 32.4	127
(427)	1997 01 11.98837	07 35 16.68	+22 24 29.9	13.8	124	1990 TN ₁	1997 01 07.94205	07 02 12.09	+41 53 31.4	127
(427)	1997 01 12.00091	07 35 15.96	+22 24 30.8	14.0	124	1990 TN ₁	1997 01 07.94566	07 02 11.69	+41 53 29.4	127
(511)	1997 01 14.89025	03 31 54.60	+06 24 49.0	10.6	124	1990 TN ₁	1997 01 11.76890	06 55 32.04	+41 11 49.5	127
(511)	1997 01 14.89284	03 31 54.62	+06 24 50.4	10.6	124	1990 TN ₁	1997 01 11.77260	06 55 31.66	+41 11 46.9	127
(511)	1997 01 14.89716	03 31 54.66	+06 24 52.8	10.6	124	1990 WL	1996 12 07.90928	05 02 30.46	+09 48 04.3	127
(1091)	1997 01 11.97974	07 35 07.96	+22 30 32.6	15.1	124	1990 WL	1996 12 07.91655	05 02 30.12	+09 48 04.5	127
(1091)	1997 01 11.98578	07 35 07.65	+22 30 33.5	15.1	124	1990 WL	1996 12 12.84659	04 58 18.95	+09 51 42.0	127
(1091)	1997 01 11.99961	07 35 06.95	+22 30 34.9	15.2	124	1990 WL	1996 12 12.85035	04 58 18.73	+09 51 42.3	127
(2009)	1997 01 12.85965	05 56 52.44	+22 40 38.4	15.6	124	1991 PK ₁₁	1996 12 07.81314	03 18 45.88	+29 35 52.3	127
(2009)	1997 01 12.86223	05 56 52.30	+22 40 38.6	15.6	124	1991 PK ₁₁	1996 12 07.81684	03 18 45.72	+29 35 50.9	127
(2009)	1997 01 12.87557	05 56 51.69	+22 40 39.5	15.5	124	1991 PK ₁₁	1996 12 12.73093	03 15 30.84	+29 05 48.3	127
(3908)	1996 12 21.89685	05 05 12.06	+21 46 40.0	15.8	124	1991 PK ₁₁	1996 12 12.73513	03 15 30.68	+29 05 46.5	127
(3908)	1996 12 21.90368	05 05 12.34	+21 46 37.4	15.9	124	1991 PN ₁₃	1996 12 26.85955	05 55 57.46	+42 13 29.3	127
(3908)	1996 12 21.90895	05 05 12.57	+21 46 35.6	15.8	124	1991 PN ₁₃	1996 12 26.86701	05 55 56.88	+42 13 27.5	127
(4179)	1997 01 12.02725	08 18 25.11	+19 05 19.6	13.3	124	1991 PN ₁₃	1997 01 07.87288	05 42 29.50	+41 05 43.0	127
(4179)	1997 01 12.04881	08 18 23.03	+19 05 29.2	13.3	124	1991 PN ₁₃	1997 01 07.87772	05 42 29.19	+41 05 40.8	127
(4179)	1997 01 12.05520	08 18 22.41	+19 05 31.8	13.2	124	1992 WP ₄	1996 12 07.83733	03 28 03.49	+44 36 44.4	127
(6039)	1996 10 04.02436	03 24 45.23	+08 35 49.2	17.2	124	1992 WP ₄	1996 12 07.84439	03 28 03.07	+44 36 40.8	127
(6039)	1996 10 04.03235	03 24 45.10	+08 35 46.5	17.4	124	1992 WP ₄	1996 12 12.71973	03 24 03.04	+43 50 18.8	127
(6039)	1996 10 04.04034	03 24 44.95	+08 35 43.6	17.3	124	1992 WP ₄	1996 12 12.72361	03 24 02.88	+43 50 16.7	127
(6039)	1996 10 04.04832	03 24 44.80	+08 35 41.5	17.4	124	1992 WD ₈	1997 01 13.93834	06 52 16.78	+30 29 45.2	127
(6039)	1996 10 04.05631	03 24 44.67	+08 35 38.3	17.5	124	1992 WD ₈	1997 01 13.94120	06 52 16.53	+30 29 41.4	127
(6039)	1996 10 04.06429	03 24 44.47	+08 35 34.8	17.3	124	1992 WD ₈	1997 01 13.94412	06 52 16.28	+30 29 37.8	127
127 Bornheim						1992 WD ₈	1997 01 14.84965	06 50 56.61	+30 12 05.2	127
N. Ehring, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehring@t-online.de]						1992 WD ₈	1997 01 14.85272	06 50 56.35	+30 12 01.6	127
0.19-m <i>f</i> /4 FFC + CCD						1992 WD ₈	1997 01 14.85579	06 50 56.14	+30 11 57.6	127
GSC						1992 WD ₈	1997 01 16.81145	06 48 08.84	+29 33 38.4	127
1982 BS ₁	1996 12 07.90928	05 01 53.42	+09 46 50.4		127	1992 WD ₈	1997 01 16.81601	06 48 08.43	+29 33 34.1	127
1982 BS ₁	1996 12 07.91655	05 01 52.94	+09 46 50.3		127	1992 WD ₈	1997 01 16.81971	06 48 08.15	+29 33 30.0	127
1982 BS ₁	1996 12 12.84878	04 57 02.75	+09 48 06.0		127	1993 BV ₂	1996 12 25.91765	06 04 23.12	+24 48 07.6	127
1982 BS ₁	1996 12 12.87841	04 57 00.99	+09 48 07.2		127	1993 BV ₂	1996 12 25.92135	06 04 22.87	+24 48 06.6	127
1986 QS	1996 12 07.88204	04 44 43.48	+37 11 12.3		127	1993 BV ₂	1997 01 07.89370	05 52 37.54	+24 01 29.6	127
1986 QS	1996 12 07.88575	04 44 43.24	+37 11 12.0		127	(1024)	1997 01 07.89734	05 52 37.35	+24 01 28.8	127
1986 QS	1996 12 12.76380	04 39 23.94	+36 59 04.0		127	(1024)	1996 12 07.82685	03 07 47.43	+17 59 40.8	127
1986 QS	1996 12 12.77118	04 39 23.50	+36 59 02.4		127	(1024)	1996 12 07.83056	03 07 47.24	+17 59 41.8	127
1989 BK	1997 01 07.91904	06 08 15.69	+25 21 46.5		127	(1024)	1996 12 12.75006	03 04 17.68	+18 22 36.8	127
1989 BK	1997 01 07.92274	06 08 15.50	+25 21 47.9		127	(1467)	1996 12 12.75764	03 04 17.40	+18 22 39.0	127
1989 BK	1997 01 11.75947	06 05 13.36	+25 46 46.7		127	(1467)	1996 12 25.93446	07 26 39.06	+43 00 14.1	127
1989 BK	1997 01 11.76389	06 05 13.17	+25 46 48.7		127	(1467)	1996 12 25.94450	07 26 38.42	+43 00 14.3	127
1989 BK	1997 01 13.92720	06 03 42.18	+26 00 03.4		127	(1467)	1997 01 07.90655	07 12 50.66	+42 51 23.7	127
1989 BK	1997 01 13.93096	06 03 42.02	+26 00 04.7		127	(2183)	1997 01 07.91028	07 12 50.40	+42 51 23.2	127
1989 BK	1997 01 14.83769	06 03 07.09	+26 05 25.9		127	(2183)	1996 12 07.89584	04 51 52.94	+15 30 27.3	127
1989 BK	1997 01 14.84198	06 03 06.93	+26 05 27.3		127	(2578)	1996 12 07.90365	04 51 52.44	+15 30 29.1	127
1990 BS	1996 12 07.85370	04 16 34.38	+22 50 48.4		127	(2578)	1996 12 07.82685	03 06 08.05	+18 10 40.2	127
							1996 12 07.83056	03 06 07.87	+18 10 40.3	127

(2578)	1996 12 12.75006	03 02 57.87	+18 15 28.5	127
(2578)	1996 12 12.75399	03 02 57.74	+18 15 29.0	127
(5190)	1997 01 07.96725	07 14 51.33	+32 33 22.2	127
(5190)	1997 01 07.97095	07 14 51.08	+32 33 21.2	127
(5190)	1997 01 11.80383	07 10 42.16	+32 15 38.3	127
(5190)	1997 01 11.80758	07 10 41.89	+32 15 36.8	127
(5190)	1997 01 13.97178	07 08 24.01	+32 04 43.5	127
(5190)	1997 01 13.97882	07 08 23.56	+32 04 41.5	127
(5193)	1997 01 07.95150	07 05 14.76	+23 41 52.3	127
(5193)	1997 01 07.95862	07 05 14.36	+23 41 53.2	127
(5193)	1997 01 11.79188	07 01 49.58	+23 50 49.3	127
(5193)	1997 01 11.79546	07 01 49.36	+23 50 50.0	127
(5193)	1997 01 13.96111	06 59 55.55	+23 55 39.0	127
(5193)	1997 01 13.96468	06 59 55.36	+23 55 39.7	127

130 Lumezzane

S. Foglia, Serafino Zani Observatory, Via F. Bisleri 11, I-20148 Milan, Italy
[MD3576@mcLink.it]

Observers S. Foglia, M. Damiani, W. Marinello, G. Pizzetti, M. Bignotti
Measurer S. Foglia

0.40-m $f/8$ Ritchey-Chrétien + CCD
GSC

(1024)	1996 11 03.03280	03 43 47.09	+15 21 30.0	130
(1024)	1996 11 03.03793	03 43 46.82	+15 21 30.1	130
(1024)	1996 11 03.04527	03 43 46.42	+15 21 33.9	130
(2014)	1996 11 02.98806	02 39 25.88	+05 10 43.7	130
(2014)	1996 11 03.00001	02 39 25.16	+05 10 34.5	130
(3908)	1996 11 02.83032	01 33 14.43	+35 40 45.3	130
(3908)	1996 11 02.84120	01 33 23.01	+35 40 53.7	130
(3908)	1996 11 02.85562	01 33 34.31	+35 41 03.2	130
(3908)	1996 11 02.85913	01 33 37.05	+35 41 05.9	130
(3908)	1996 11 02.86583	01 33 42.37	+35 41 10.8	130
(3908)	1996 11 02.86931	01 33 45.10	+35 41 13.5	130
(4197)	1996 09 14.02153	02 11 03.08	+12 08 06.1	130
(4197)	1996 09 14.06944	02 11 04.08	+12 08 45.9	130

292 Burlington

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

0.30-m $f/3.0$ Schmidt-Cassegrain + focal reducer + CCD
GSC

1981 EM ₃	1996 10 04.28123	00 03 46.46	+10 59 56.7	292
1981 EM ₃	1996 10 04.29860	00 03 45.62	+10 59 50.9	292
1981 EM ₃	1996 10 06.28751	00 02 01.16	+10 43 32.1	292
1981 EM ₃	1996 10 06.30973	00 02 00.05	+10 43 19.7	292
1989 YL ₅	1996 09 21.19792	00 12 08.33	+03 59 09.0	292
1989 YL ₅	1996 09 21.21112	00 12 07.56	+03 59 05.7	292
1989 YL ₅	1996 10 04.23887	23 59 58.41	+02 48 07.2	292
1989 YL ₅	1996 10 04.25211	23 59 57.59	+02 48 03.0	292
1989 YL ₅	1996 10 06.24375	23 58 10.35	+02 37 06.4	292
1989 YL ₅	1996 10 06.25832	23 58 09.54	+02 37 04.2	292
1991 GC ₁	1996 10 15.12086	23 56 04.49	-04 00 55.5	292
1991 GC ₁	1996 10 15.14169	23 56 03.31	-04 00 55.5	292
4089 P-L	1996 09 21.32502	00 17 55.09	+08 04 40.5	292

4089 P-L	1996 09 21.33891	00 17 54.61	+08 04 31.8	292
4089 P-L	1996 10 04.32186	00 09 03.49	+05 58 05.5	292
4089 P-L	1996 10 04.33507	00 09 02.89	+05 57 57.4	292
3365 T-2	1996 09 21.15417	00 10 52.36	-01 55 47.3	292
3365 T-2	1996 09 21.16943	00 10 51.67	-01 55 50.1	292
3365 T-2	1996 10 04.15763	00 01 08.81	-02 50 54.9	292
3365 T-2	1996 10 04.17360	00 01 08.07	-02 50 57.6	292
3365 T-2	1996 10 06.16737	23 59 42.15	-02 58 36.2	292
3365 T-2	1996 10 06.18127	23 59 41.61	-02 58 40.7	292

304 Las Campanas

J. Tonry, Room 6-204, Massachusetts Institute of Technology, Cambridge, MA
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Observer A. Dressler

Measurer J. Tonry

2.54-m reflector + CCD

1994 JQ ₉	* 1994 05 04.0906	12 56 23.90	-17 00 11.1	18.4 R	s	304
1994 JQ ₉	1994 05 04.1045	12 56 23.35	-17 00 07.0	18.4 R	s	304
1994 JQ ₉	1994 05 05.0142	12 55 44.76	-16 55 06.9	18.6 R	s	304
1994 JQ ₉	1994 05 05.0281	12 55 44.23	-16 55 03.5	18.6 R	s	304

327 Peking Observatory, Xinglong Station

J. Zhu, Peking Astronomical Observatory, Chinese Academy of Sciences,
Zhongguancun, Peking 100080, Peoples Republic of China

[jinzhu@sun.ihep.ac.cn]

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

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

0.60-m Schmidt + CCD

1978 RY ₆	1996 12 14.48182	00 27 55.01	+13 12 36.0			327
1978 RY ₆	1996 12 14.49755	00 27 55.30	+13 12 36.5	18.1 V		327
1978 RY ₆	1996 12 14.51272	00 27 55.63	+13 12 36.1			327
1980 UU ₁	1996 12 21.79054	07 25 36.12	+23 34 09.2			327
1980 UU ₁	1996 12 21.80788	07 25 35.00	+23 34 11.1	17.8		327
1980 UU ₁	1996 12 21.82522	07 25 34.00	+23 34 11.8			327
1980 UU ₁	1996 12 21.84257	07 25 33.00	+23 34 14.2			327
1980 VX ₂	1996 12 08.53307	00 22 12.83	+11 57 45.7	18.5 V		327
1980 VX ₂	1996 12 08.54606	00 22 13.26	+11 57 39.9			327
1980 VX ₂	1996 12 08.55909	00 22 13.71	+11 57 34.8			327
1981 DO ₃	1996 12 20.74916	08 13 25.38	+19 25 58.1	18.8		327
1981 DO ₃	1996 12 20.76216	08 13 24.88	+19 25 58.7			327
1981 DO ₃	1996 12 20.77616	08 13 24.50	+19 25 57.8			327
1981 EW ₂₀	1996 12 19.77111	08 50 29.62	+18 52 25.3			327
1981 EW ₂₀	1996 12 19.78418	08 50 29.38	+18 52 26.2	19.6		327
1981 EW ₂₀	1996 12 19.79723	08 50 28.88	+18 52 28.0			327
1981 EC ₂₉	1996 11 13.68535	03 57 08.89	+23 18 05.8			327
1981 EC ₂₉	1996 11 13.70701	03 57 07.59	+23 18 01.2	18.7 V		327
1981 EC ₂₉	1996 11 13.73036	03 57 06.17	+23 17 56.4			327
1981 UQ ₁₁	1996 12 10.63193	05 02 10.00	+22 43 34.7	16.1		327
1981 UQ ₁₁	1996 12 10.64807	05 02 08.88	+22 43 35.2			327
1981 UQ ₁₁	1996 12 10.66405	05 02 07.75	+22 43 36.8			327
1984 UX	1996 12 27.56556	01 09 30.31	+14 45 36.7			327
1984 UX	1996 12 27.58171	01 09 31.75	+14 45 45.2	15.7		327

1984 UX	1996 12 27.59716	01 09 33.06	+14 45 54.2	327	1991 AJ	1996 12 24.79462	10 45 39.00	+14 10 53.8	327
1985 VL	1996 12 24.44471	01 22 58.50	+05 58 06.6	327	1991 AJ	1996 12 24.80990	10 45 39.38	+14 10 56.1	327
1985 VL	1996 12 24.46616	01 22 58.88	+05 58 05.2	327	1991 AJ	1996 12 24.82477	10 45 39.75	+14 10 59.0	16.9 327
1985 VL	1996 12 24.48684	01 22 59.25	+05 58 05.7	18.4 327	1991 AJ	1996 12 25.82970	10 46 03.62	+14 14 00.7	327
1986 EF ₅	1996 12 27.86670	12 09 30.88	-01 06 02.0	327	1991 AJ	1996 12 25.84583	10 46 04.00	+14 14 04.8	17.1 327
1986 EF ₅	1996 12 27.87609	12 09 31.38	-01 06 04.8	327	1991 AJ	1996 12 25.86184	10 46 04.38	+14 14 06.7	327
1986 EF ₅	1996 12 27.88551	12 09 31.88	-01 06 08.3	17.8 327	1991 AJ	1996 12 26.81388	10 46 25.88	+14 17 09.7	327
1986 RE ₁	1996 12 02.53272	01 18 44.00	+05 38 49.9	17.3 V 327	1991 AJ	1996 12 26.82925	10 46 26.12	+14 17 13.1	16.9 327
1986 RE ₁	1996 12 02.54778	01 18 44.42	+05 38 51.5	327	1991 AJ	1996 12 26.84549	10 46 26.50	+14 17 15.2	327
1986 RE ₁	1996 12 02.56275	01 18 44.85	+05 38 53.1	327	1991 KA	1996 12 08.79314	08 34 39.78	+18 51 11.2	327
1987 SC ₁	1997 01 08.85970	09 45 29.07	+12 06 30.6	18.1 V 327	1991 KA	1996 12 08.80615	08 34 39.63	+18 51 12.8	17.3 V 327
1987 SC ₁	1997 01 08.86981	09 45 28.71	+12 06 33.7	327	1991 KA	1996 12 08.81916	08 34 39.51	+18 51 14.4	327
1987 SC ₁	1997 01 08.88010	09 45 28.38	+12 06 37.8	327	1991 RP ₁₁	1996 12 18.82679	08 41 53.50	+18 06 33.1	19.2 327
1987 SC ₁	1997 01 11.81233	09 43 45.62	+12 21 32.2	327	1991 RP ₁₁	1996 12 18.83980	08 41 53.12	+18 06 34.3	19.3 327
1987 SC ₁	1997 01 11.82861	09 43 45.00	+12 21 37.1	17.9 327	1991 RP ₁₁	1996 12 18.89775	08 41 51.25	+18 06 42.2	19.5 327
1987 SC ₁	1997 01 11.83988	09 43 44.62	+12 21 40.7	327	1991 RP ₁₁	1997 01 02.81417	08 31 43.50	+18 50 35.7	327
1988 CP ₁	1996 12 12.44797	00 52 35.14	+01 42 51.8	18.5 V 327	1991 RP ₁₁	1997 01 02.82420	08 31 43.00	+18 50 38.5	327
1988 CP ₁	1996 12 12.46314	00 52 35.39	+01 42 54.6	327	1991 RP ₁₁	1997 01 02.82946	08 31 42.62	+18 50 39.8	19.3 327
1988 CP ₁	1996 12 12.47837	00 52 35.65	+01 42 57.4	327	1991 RP ₁₁	1997 01 02.83963	08 31 42.12	+18 50 41.7	327
1988 TL	1996 12 22.75792	08 13 19.88	+20 24 32.1	327	1991 RP ₁₁	1997 01 02.84491	08 31 41.88	+18 50 42.8	327
1988 TL	1996 12 22.77200	08 13 19.25	+20 24 33.2	16.5 327	1991 RP ₁₁	1997 01 02.85507	08 31 41.38	+18 50 44.5	19.1 327
1988 TL	1996 12 22.78501	08 13 18.75	+20 24 34.1	327	1992 CU	1996 12 02.86682	09 34 43.25	+21 55 26.7	327
1988 VS ₂	1996 12 26.45590	01 07 57.06	+03 31 27.8	327	1992 CU	1996 12 02.88242	09 34 43.75	+21 55 29.2	17.0 327
1988 VS ₂	1996 12 26.48161	01 07 58.69	+03 31 31.0	327	1992 CU	1996 12 02.89767	09 34 44.12	+21 55 31.7	327
1988 VS ₂	1996 12 26.50127	01 07 59.88	+03 31 33.3	327	1992 CU	1996 12 12.88769	09 38 30.90	+22 29 39.6	16.9 V 327
1988 VS ₂	1996 12 26.52087	01 08 01.12	+03 31 35.8	17.3 327	1992 CU	1996 12 12.90824	09 38 31.23	+22 29 44.3	327
1989 BK	1996 12 18.59346	06 28 31.12	+22 42 31.2	327	1992 CU	1996 12 12.92811	09 38 31.49	+22 29 49.1	327
1989 BK	1996 12 18.61153	06 28 30.00	+22 42 41.8	327	1992 EE ₁₁	1997 01 02.79965	08 14 03.25	+20 55 05.7	18.4 327
1989 BK	1996 12 18.62885	06 28 29.00	+22 42 49.7	14.4 327	1992 EE ₁₁	1997 01 02.80440	08 14 03.00	+20 55 05.7	327
1989 BK	1996 12 20.66854	06 26 23.50	+23 00 09.2	14.3 327	1992 EE ₁₁	1997 01 02.80911	08 14 02.75	+20 55 06.8	327
1989 BK	1996 12 20.68167	06 26 22.75	+23 00 15.1	327	1992 PV	1996 11 27.64251	02 12 49.84	+11 21 40.4	18.4 V 327
1989 BK	1996 12 20.69469	06 26 21.75	+23 00 23.1	327	1992 PV	1996 11 27.65625	02 12 49.34	+11 21 37.4	327
1989 BK	1996 12 26.72188	06 20 04.00	+23 50 28.0	327	1992 PV	1996 11 27.66927	02 12 48.93	+11 21 35.1	327
1989 BK	1996 12 26.73620	06 20 03.12	+23 50 35.0	14.2 327	1992 PV	1996 11 27.68626	02 12 48.37	+11 21 30.9	327
1989 BK	1996 12 26.75075	06 20 02.25	+23 50 42.2	327	1992 PV	1996 11 28.54718	02 12 22.34	+11 18 36.1	327
1989 UU ₃	1996 12 10.69003	05 50 54.25	+16 58 55.7	327	1992 PV	1996 11 28.56579	02 12 21.81	+11 18 33.4	327
1989 UU ₃	1996 12 10.70910	05 50 53.00	+16 58 53.7	16.5 327	1992 PV	1996 11 28.58318	02 12 21.24	+11 18 30.5	18.5 V 327
1989 UU ₃	1996 12 10.72817	05 50 51.75	+16 58 52.2	327	1992 PX	1996 12 25.56109	02 11 22.25	+06 28 50.2	327
1990 RV	1996 12 24.44471	01 24 59.81	+05 33 34.2	18.1 327	1992 PX	1996 12 25.57541	02 11 22.62	+06 28 54.2	327
1990 RV	1996 12 24.46616	01 25 00.12	+05 33 38.8	327	1992 PX	1996 12 25.58986	02 11 23.00	+06 29 00.2	17.5 327
1990 RV	1996 12 24.48684	01 25 00.50	+05 33 41.6	327	1992 US ₄	1996 12 08.76274	07 41 46.67	+21 35 39.2	327
1990 SL ₉	1996 12 02.53272	01 16 22.04	+04 50 42.9	327	1992 US ₄	1996 12 08.77579	07 41 46.32	+21 35 39.1	15.5 V 327
1990 SL ₉	1996 12 02.56275	01 16 21.75	+04 50 42.1	18.7 V 327	1992 US ₄	1996 12 08.78881	07 41 45.86	+21 35 39.0	327
1990 SH ₂₈	1996 12 28.75252	05 27 27.12	+23 57 07.7	327	1992 WV ₃	1996 12 26.81388	10 49 21.00	+14 23 01.7	17.0 327
1990 SH ₂₈	1996 12 28.76200	05 27 26.62	+23 57 07.3	327	1992 WV ₃	1996 12 26.82925	10 49 21.25	+14 23 01.2	327
1990 SH ₂₈	1996 12 28.77174	05 27 26.12	+23 57 07.3	18.0 327	1992 WV ₃	1996 12 26.84549	10 49 21.50	+14 23 00.6	327
1990 SH ₂₈	1996 12 30.60177	05 25 55.00	+23 55 53.8	16.8 327	1992 YW ₃	1996 12 22.50002	01 02 04.69	-05 43 31.8	327
1990 SH ₂₈	1996 12 30.61043	05 25 54.75	+23 55 53.8	327	1992 YW ₃	1996 12 22.51306	01 02 05.00	-05 43 24.5	327
1990 SH ₂₈	1996 12 30.61910	05 25 54.25	+23 55 52.6	327	1992 YW ₃	1996 12 22.52666	01 02 05.31	-05 43 17.0	16.8 327
1991 AJ	1996 12 23.82306	10 45 14.38	+14 08 07.2	327	1993 FN ₂₆	1996 12 18.60287	06 39 30.00	+23 06 52.7	327
1991 AJ	1996 12 23.83734	10 45 14.75	+14 08 09.8	17.1 327	1993 FN ₂₆	1996 12 18.62020	06 39 29.00	+23 06 52.5	327
1991 AJ	1996 12 23.85190	10 45 15.12	+14 08 12.2	327	1993 FN ₂₆	1996 12 18.63780	06 39 28.00	+23 06 52.3	16.2 327

1993 HL ₅	1996 12 28.82573	07 04 51.50	+23 52 36.3		327	1996 RS ₅	1996 12 14.50753	01 02 12.91	+16 06 51.2		327
1993 HL ₅	1996 12 28.83549	07 04 50.88	+23 52 37.2	17.3	327	1996 RS ₅	1996 12 22.54021	01 05 34.69	+16 39 02.0		327
1993 HL ₅	1996 12 28.84515	07 04 50.38	+23 52 38.1		327	1996 RS ₅	1996 12 22.56197	01 05 35.31	+16 39 07.5		327
1993 YJ	1996 12 27.60771	03 04 27.81	+21 53 14.1		327	1996 RS ₅	1996 12 22.57063	01 05 35.62	+16 39 09.8	16.5	327
1993 YJ	1996 12 27.62326	03 04 28.00	+21 53 10.6	17.2	327	1996 SH ₇	1996 12 10.48639	01 19 46.88	+09 14 08.8	18.5	327
1993 YJ	1996 12 27.63985	03 04 28.19	+21 53 07.3		327	1996 SH ₇	1996 12 10.49524	01 19 47.06	+09 14 10.0		327
1993 YJ	1997 01 02.51897	03 06 46.28	+21 38 43.4		327	1996 SH ₇	1996 12 10.50409	01 19 47.25	+09 14 12.3		327
1993 YJ	1997 01 02.53425	03 06 46.73	+21 38 41.3		327	1996 SK ₇	1996 12 14.47659	01 04 19.96	+15 22 27.7		327
1993 YJ	1997 01 02.54964	03 06 47.14	+21 38 39.9	17.4 V	327	1996 SK ₇	1996 12 14.49176	01 04 20.24	+15 22 32.6	18.9 V	327
1993 YJ	1997 01 05.53375	03 08 26.12	+21 33 37.6		327	1996 SK ₇	1996 12 14.50753	01 04 20.46	+15 22 37.1		327
1993 YJ	1997 01 05.55322	03 08 26.75	+21 33 35.8		327	1996 TE	1996 11 29.46454	00 23 12.17	+00 25 18.7	18.0 V	327
1993 YJ	1997 01 05.57360	03 08 27.44	+21 33 33.8	17.7	327	1996 TE	1996 11 29.47821	00 23 12.38	+00 25 21.7		327
1994 BN ₄	1996 12 26.62846	04 54 08.81	+21 09 52.1		327	1996 TE	1996 11 29.49122	00 23 12.57	+00 25 23.9		327
1994 BN ₄	1996 12 26.64299	04 54 08.06	+21 09 49.7		327	1996 TF ₅	1996 12 06.51115	00 48 36.81	+02 32 24.4		327
1994 BN ₄	1996 12 26.65777	04 54 07.19	+21 09 46.7	17.2	327	1996 TF ₅	1996 12 06.52417	00 48 37.21	+02 32 26.5	19.5 V	327
1994 EJ ₇	1997 01 02.76292	07 11 11.62	+25 08 00.2	15.8	327	1996 TF ₅	1996 12 06.53719	00 48 37.74	+02 32 28.6		327
1994 EJ ₇	1997 01 02.77854	07 11 10.50	+25 08 05.7		327	1996 TF ₅	1996 12 12.45286	00 52 49.00	+02 51 55.6		327
1994 EJ ₇	1997 01 02.79409	07 11 09.38	+25 08 10.2		327	1996 TF ₅	1996 12 12.46816	00 52 49.69	+02 51 59.8	19.0	327
1994 EJ ₇	1997 01 04.58859	07 09 02.75	+25 17 40.1		327	1996 TF ₅	1996 12 12.48324	00 52 50.44	+02 52 02.6		327
1994 EJ ₇	1997 01 04.60368	07 09 01.62	+25 17 44.8	15.7	327	1996 TY ₈	1996 12 29.48774	01 06 41.06	+05 06 03.1		327
1994 EJ ₇	1997 01 04.61806	07 09 00.50	+25 17 49.6		327	1996 TY ₈	1996 12 29.49641	01 06 42.00	+05 06 00.5		327
1994 FZ	1996 12 22.69477	07 06 05.38	+22 28 39.3		327	1996 TY ₈	1996 12 29.50510	01 06 42.88	+05 05 57.6	18.3	327
1994 FZ	1996 12 22.71019	07 06 04.50	+22 28 42.7		327	1996 TK ₁₀	1996 12 14.47659	01 04 43.13	+15 17 17.1	18.4 V	327
1994 FZ	1996 12 22.72554	07 06 03.50	+22 28 46.1	16.7	327	1996 TK ₁₀	1996 12 14.49176	01 04 43.70	+15 17 18.7		327
1995 SM ₅₄	1996 12 08.76274	07 44 06.05	+21 18 53.1	17.5 V	327	1996 TK ₁₀	1996 12 14.50753	01 04 44.26	+15 17 20.2		327
1995 SM ₅₄	1996 12 08.77579	07 44 05.64	+21 18 55.3		327	1996 TM ₁₀	1996 12 14.47659	01 01 33.30	+15 54 06.3	17.4 V	327
1995 SM ₅₄	1996 12 08.78881	07 44 05.23	+21 18 56.5		327	1996 TM ₁₀	1996 12 14.49176	01 01 33.64	+15 54 07.4		327
1995 SG ₅₅	* 1995 09 27.50487	22 02 59.26	-11 41 40.7		327	1996 TM ₁₀	1996 12 14.50753	01 01 34.04	+15 54 09.0		327
1995 SG ₅₅	1995 09 27.51836	22 02 58.91	-11 41 43.6	18.1 V	327	1996 TM ₁₀	1996 12 22.54021	01 05 38.69	+16 10 19.7		327
1995 SG ₅₅	1995 09 27.53144	22 02 58.62	-11 41 46.8		327	1996 TM ₁₀	1996 12 22.56197	01 05 39.44	+16 10 22.7	17.4	327
1995 UV ₄₈	1996 12 10.90595	13 37 32.88	-17 30 09.7	17.6	327	1996 TM ₁₀	1996 12 22.57063	01 05 39.75	+16 10 23.7		327
1995 UV ₄₈	1996 12 10.91069	13 37 33.25	-17 30 11.7	17.7	327	1996 TM ₁₀	1996 12 23.50265	01 06 14.31	+16 12 47.5		327
1995 UV ₄₈	1996 12 10.91534	13 37 33.62	-17 30 14.7	18.1	327	1996 TM ₁₀	1996 12 23.51329	01 06 14.69	+16 12 49.0	17.6	327
1995 UV ₄₈	1996 12 10.92013	13 37 34.00	-17 30 17.5	17.8	327	1996 TM ₁₀	1996 12 23.52391	01 06 15.12	+16 12 50.8		327
1995 WB ₄₃	1996 12 20.54728	05 45 19.75	+23 01 50.8		327	1996 TG ₁₅	1996 12 08.53740	01 12 30.52	+05 38 47.3	18.1 V	327
1995 WB ₄₃	1996 12 20.55162	05 45 19.50	+23 01 50.2	16.6	327	1996 TG ₁₅	1996 12 08.55039	01 12 30.87	+05 38 52.5		327
1995 WB ₄₃	1996 12 20.56031	05 45 19.00	+23 01 49.7	16.4	327	1996 TG ₁₅	1996 12 08.56345	01 12 31.27	+05 38 57.3		327
1995 WB ₄₃	1996 12 20.57222	05 45 18.38	+23 01 49.6		327	1996 TG ₁₅	1996 12 12.49287	01 14 44.69	+06 04 54.2		327
1995 WB ₄₃	1996 12 20.57657	05 45 18.12	+23 01 48.7		327	1996 TG ₁₅	1996 12 12.51302	01 14 45.38	+06 05 02.5		327
1995 WB ₄₃	1996 12 20.58524	05 45 17.62	+23 01 47.7		327	1996 TG ₁₅	1996 12 12.53319	01 14 46.12	+06 05 11.0	18.2	327
1996 CC	1996 12 19.88161	10 34 32.50	+34 23 19.5		327	1996 TK ₄₈	1996 12 12.50770	01 25 04.69	+05 07 59.1		327
1996 CC	1996 12 19.89426	10 34 32.75	+34 23 26.1	18.0	327	1996 TK ₄₈	1996 12 12.52781	01 25 05.12	+05 08 03.5		327
1996 CC	1996 12 19.90457	10 34 32.88	+34 23 31.3		327	1996 TK ₄₈	1996 12 12.54791	01 25 05.50	+05 08 07.7	18.1	327
1996 GN ₂₁	* 1996 04 09.54677	08 48 12.29	+24 31 59.3		327	1996 TK ₅₄	1996 12 06.54635	01 55 41.22	+15 34 35.7	17.9 V	327
1996 GN ₂₁	1996 04 09.56042	08 48 12.77	+24 31 53.4		327	1996 TK ₅₄	1996 12 06.55939	01 55 40.99	+15 34 38.6		327
1996 GN ₂₁	1996 04 09.57344	08 48 13.14	+24 31 48.9	18.3 V	327	1996 TK ₅₄	1996 12 06.57243	01 55 40.73	+15 34 41.9		327
1996 PW ₆	1996 11 26.49848	22 48 31.87	-06 25 11.8	19.0 V	327	1996 TK ₅₄	1996 12 10.53438	01 54 51.38	+15 51 57.1		327
1996 PW ₆	1996 11 26.50304	22 48 32.21	-06 25 09.5		327	1996 TK ₅₄	1996 12 10.55096	01 54 51.19	+15 52 01.7	18.2	327
1996 PW ₆	1996 11 26.50778	22 48 32.59	-06 25 05.3		327	1996 TK ₅₄	1996 12 10.56470	01 54 51.06	+15 52 05.2		327
1996 PW ₆	1996 11 26.51216	22 48 32.92	-06 25 06.5		327	1996 TY ₆₄	1996 09 21.75032	02 01 45.43	+12 45 21.0		327
1996 RS ₅	1996 12 14.47659	01 02 12.38	+16 06 43.9	16.5 V	327	1996 TY ₆₄	1996 09 21.76428	02 01 45.05	+12 45 18.6	19.0 V	327
1996 RS ₅	1996 12 14.49176	01 02 12.62	+16 06 47.0		327	1996 TY ₆₄	1996 09 21.77817	02 01 44.59	+12 45 17.1		327

1996 TY ₆₄	1996 11 07.64549	01 24 25.70	+09 15 13.5	19.0 V	327	1996 VX ₃₀	1996 11 28.54285	02 06 50.24	+12 54 31.4	18.6 V	327
1996 TY ₆₄	1996 11 07.65524	01 24 25.28	+09 15 10.6		327	1996 VX ₃₀	1996 11 28.55711	02 06 49.62	+12 54 32.3		327
1996 TY ₆₄	1996 11 07.66479	01 24 24.76	+09 15 08.3		327	1996 VX ₃₀	1996 11 28.57882	02 06 48.63	+12 54 33.7		327
1996 UP ₁	1997 01 02.47616	01 10 25.44	+06 14 43.2	19.4	327	1996 VR ₃₈	1996 12 17.46630	03 27 41.12	+21 45 10.0		327
1996 UP ₁	1997 01 02.48920	01 10 26.06	+06 14 44.1		327	1996 VR ₃₈	1996 12 17.48365	03 27 40.38	+21 45 09.6	17.5	327
1996 UP ₁	1997 01 02.50221	01 10 26.56	+06 14 44.7		327	1996 VR ₃₈	1996 12 17.50100	03 27 39.69	+21 45 09.2		327
1996 VK ₁	1996 11 28.60051	02 50 40.51	+16 34 03.0		327	1996 VF ₃₉	1996 11 28.66147	03 41 53.87	+29 10 45.7	18.0 V	327
1996 VK ₁	1996 11 28.61354	02 50 39.98	+16 33 59.4		327	1996 VF ₃₉	1996 11 28.67885	03 41 52.84	+29 10 41.3		327
1996 VK ₁	1996 11 28.62656	02 50 39.56	+16 33 55.8		327	1996 VF ₃₉	1996 11 28.69674	03 41 51.80	+29 10 35.6		327
1996 VK ₁	1996 11 28.63959	02 50 39.06	+16 33 52.2	18.5 V	327	1996 WT ₁	1996 12 29.55380	04 50 59.31	+21 14 12.1		327
1996 VY ₁	1996 11 28.65265	03 45 31.15	+28 34 35.0	18.3 V	327	1996 WT ₁	1996 12 29.56836	04 50 58.88	+21 14 11.5	17.6	327
1996 VY ₁	1996 11 28.67016	03 45 30.07	+28 34 27.3		327	1996 WT ₁	1996 12 29.58284	04 50 58.38	+21 14 11.5		327
1996 VY ₁	1996 11 28.68756	03 45 29.00	+28 34 19.5		327	1996 WQ ₂	1996 12 19.57525	05 35 20.00	+21 02 51.5	16.0	327
1996 VD ₂	1996 12 17.46630	03 28 42.62	+21 38 26.7		327	1996 WQ ₂	1996 12 19.59260	05 35 19.00	+21 02 44.2		327
1996 VD ₂	1996 12 17.48365	03 28 41.94	+21 38 29.3	17.4	327	1996 WQ ₂	1996 12 19.61002	05 35 17.88	+21 02 36.2		327
1996 VD ₂	1996 12 17.50100	03 28 41.19	+21 38 32.3		327	1996 WQ ₂	1996 12 19.62736	05 35 16.88	+21 02 29.2		327
1996 VP ₂	1996 11 28.60486	02 52 30.73	+16 08 26.5		327	1996 WQ ₂	1996 12 21.56369	05 33 25.38	+20 48 49.1	16.1	327
1996 VP ₂	1996 11 28.61789	02 52 30.24	+16 08 22.8	18.6 V	327	1996 WQ ₂	1996 12 21.57896	05 33 24.50	+20 48 43.0		327
1996 VP ₂	1996 11 28.63089	02 52 29.78	+16 08 20.8		327	1996 WQ ₂	1996 12 21.59387	05 33 23.62	+20 48 37.1		327
1996 VP ₂	1996 11 28.64394	02 52 29.18	+16 08 17.3		327	1996 WS ₂	1996 11 28.54718	02 10 01.54	+11 33 23.3	17.8 V	327
1996 VQ ₂	1996 11 28.60051	02 49 52.21	+16 37 41.6		327	1996 WS ₂	1996 11 28.56579	02 10 01.24	+11 33 21.8		327
1996 VQ ₂	1996 11 28.61354	02 49 51.55	+16 37 40.0		327	1996 WS ₂	1996 11 28.58318	02 10 01.02	+11 33 19.3		327
1996 VQ ₂	1996 11 28.62656	02 49 51.02	+16 37 37.6		327	1996 WU ₂	1996 12 22.50436	01 12 12.75	-05 19 08.8	17.3	327
1996 VQ ₂	1996 11 28.63959	02 49 50.40	+16 37 36.0	18.0 V	327	1996 WU ₂	1996 12 22.51778	01 12 13.38	-05 19 03.8		327
1996 VT ₃	1996 11 28.54285	02 03 34.72	+12 29 46.7		327	1996 WU ₂	1996 12 22.53118	01 12 14.06	-05 18 58.6		327
1996 VT ₃	1996 11 28.55711	02 03 34.22	+12 29 46.9		327	1996 WV ₂	1996 11 27.64251	02 14 26.90	+11 18 49.2	18.5 V	327
1996 VT ₃	1996 11 28.57882	02 03 33.44	+12 29 47.8	18.4 V	327	1996 WV ₂	1996 11 27.65625	02 14 26.28	+11 18 48.9		327
1996 VH ₄	1996 11 20.78771	06 01 45.55	+24 02 05.1	17.5 V	327	1996 WV ₂	1996 11 27.66927	02 14 25.77	+11 18 49.3		327
1996 VH ₄	1996 11 20.80418	06 01 44.89	+24 02 09.9		327	1996 WV ₂	1996 11 27.68626	02 14 24.98	+11 18 49.7		327
1996 VH ₄	1996 11 20.81862	06 01 44.27	+24 02 14.8		327	1996 WW ₂	1996 11 28.54285	02 03 42.53	+12 25 48.5		327
1996 VA ₇	1996 11 28.54718	02 10 52.79	+11 31 02.4		327	1996 WW ₂	1996 11 28.55711	02 03 42.18	+12 25 51.2		327
1996 VA ₇	1996 11 28.56579	02 10 52.10	+11 30 58.9	18.9 V	327	1996 WW ₂	1996 11 28.57882	02 03 41.53	+12 25 56.1	18.6 V	327
1996 VA ₇	1996 11 28.58318	02 10 51.53	+11 30 55.0		327	1996 WG ₃	1996 11 29.50924	01 17 01.08	+05 44 20.4	17.9 V	327
1996 VH ₃₀	1996 12 25.63266	03 14 55.06	+22 02 25.0	16.6	327	1996 WG ₃	1996 11 29.61611	01 17 00.08	+05 43 54.2		327
1996 VH ₃₀	1996 12 25.64226	03 14 54.81	+22 02 25.6		327	1996 WG ₃	1996 11 29.63780	01 16 59.87	+05 43 48.6		327
1996 VH ₃₀	1996 12 25.65191	03 14 54.62	+22 02 26.2		327	1996 WG ₃	1996 12 02.53272	01 16 42.26	+05 32 42.9		327
1996 VH ₃₀	1996 12 27.61289	03 14 12.00	+22 05 15.5	17.2	327	1996 WG ₃	1996 12 02.54778	01 16 42.16	+05 32 39.1		327
1996 VH ₃₀	1996 12 27.62943	03 14 11.69	+22 05 16.8		327	1996 WG ₃	1996 12 02.56275	01 16 42.09	+05 32 36.4	17.9 V	327
1996 VH ₃₀	1996 12 27.64492	03 14 11.31	+22 05 18.1		327	1996 WG ₃	1996 12 12.49772	01 17 11.12	+05 06 43.8		327
1996 VH ₃₀	1997 01 02.51389	03 12 55.75	+22 15 32.2	16.8	327	1996 WG ₃	1996 12 12.51786	01 17 11.31	+05 06 42.0		327
1996 VH ₃₀	1997 01 02.52924	03 12 55.56	+22 15 34.2		327	1996 WG ₃	1996 12 12.53804	01 17 11.50	+05 06 40.2	17.7	327
1996 VH ₃₀	1997 01 02.54466	03 12 55.44	+22 15 36.1		327	1996 WJ ₃	1996 11 15.51762	01 22 37.50	+07 21 10.2		327
1996 VH ₃₀	1997 01 10.46773	03 13 15.94	+22 33 59.7	16.7	327	1996 WJ ₃	1996 11 15.52628	01 22 37.19	+07 21 08.0	18.1	327
1996 VH ₃₀	1997 01 10.48265	03 13 16.06	+22 34 02.0		327	1996 WJ ₃	1996 11 15.53627	01 22 36.94	+07 21 04.1		327
1996 VH ₃₀	1997 01 10.49762	03 13 16.19	+22 34 04.5		327	1996 WJ ₃	1996 11 15.54495	01 22 36.62	+07 21 01.1		327
1996 VH ₃₀	1997 01 11.51675	03 13 28.88	+22 36 50.1	16.7	327	1996 WJ ₃	* 1996 11 27.51405	01 18 22.26	+06 23 51.8		327
1996 VH ₃₀	1997 01 11.53200	03 13 29.06	+22 36 52.7		327	1996 WJ ₃	1996 11 27.52708	01 18 22.04	+06 23 49.2		327
1996 VH ₃₀	1997 01 11.57285	03 13 29.56	+22 36 59.2		327	1996 WJ ₃	1996 11 27.54009	01 18 21.86	+06 23 45.6	18.6 V	327
1996 VJ ₃₀	1996 09 23.85272	04 16 06.65	+24 13 43.7	16.9 V	327	1996 WJ ₃	1996 11 29.50924	01 17 57.63	+06 16 31.3		327
1996 VJ ₃₀	1996 09 23.85933	04 16 06.85	+24 13 44.2		327	1996 WJ ₃	1996 11 29.61611	01 17 56.28	+06 16 08.5	18.6 V	327
1996 VJ ₃₀	1996 09 23.86406	04 16 06.94	+24 13 44.0		327	1996 WJ ₃	1996 11 29.62480	01 17 56.23	+06 16 07.2	18.3 V	327
1996 VJ ₃₀	1996 09 23.86934	04 16 07.09	+24 13 44.1		327	1996 WJ ₃	1996 11 29.63780	01 17 56.00	+06 16 03.7		327

1996 WJ ₃	1996 11 29.64648	01 17 55.95	+06 16 02.0	327	1996 XC ₁₅	1996 12 21.79054	07 22 37.50	+22 56 39.2		327
1996 WJ ₃	1997 01 02.46749	01 24 28.56	+05 50 25.8	327	1996 XC ₁₅	1996 12 21.80788	07 22 36.62	+22 56 41.2	16.5	327
1996 WJ ₃	1997 01 02.48050	01 24 29.00	+05 50 27.2	327	1996 XC ₁₅	1996 12 21.82522	07 22 35.62	+22 56 43.7		327
1996 WJ ₃	1997 01 02.49355	01 24 29.38	+05 50 28.3	18.9 327	1996 XC ₁₅	1996 12 21.84257	07 22 34.62	+22 56 46.5		327
1996 WJ ₃	1997 01 06.43646	01 26 46.75	+05 58 20.0	327	1996 XE ₁₅	1996 12 11.77934	07 31 16.40	+22 36 50.2	18.4 V	327
1996 WJ ₃	1997 01 06.44733	01 26 47.25	+05 58 21.5	19.1 327	1996 XE ₁₅	1996 12 11.78881	07 31 16.02	+22 36 51.4		327
1996 WJ ₃	1997 01 06.45780	01 26 47.62	+05 58 22.5	327	1996 XE ₁₅	1996 12 11.79749	07 31 15.64	+22 36 51.8		327
1996 WK ₃	* 1996 11 28.54285	02 06 39.21	+13 11 33.1	18.3 V 327	1996 XG ₁₅	1996 12 08.75406	07 33 21.99	+21 55 30.6	18.2 V	327
1996 WK ₃	1996 11 28.55711	02 06 38.67	+13 11 28.2	327	1996 XG ₁₅	1996 12 08.76708	07 33 21.53	+21 55 30.7		327
1996 WK ₃	1996 11 28.57882	02 06 37.95	+13 11 21.3	327	1996 XG ₁₅	1996 12 08.78012	07 33 21.05	+21 55 29.9		327
1996 WK ₃	1996 11 29.65971	02 06 03.24	+13 05 40.5	18.2 V 327	1996 XG ₁₅	1996 12 10.73884	07 32 15.50	+21 54 50.0		327
1996 WK ₃	1996 11 29.67706	02 06 02.68	+13 05 35.1	327	1996 XG ₁₅	1996 12 10.75848	07 32 14.75	+21 54 49.0	18.3	327
1996 WK ₃	1996 11 29.69443	02 06 02.09	+13 05 29.7	327	1996 XG ₁₅	1996 12 10.77752	07 32 14.00	+21 54 48.0		327
1996 WL ₃	* 1996 11 28.66147	03 39 49.56	+29 27 50.0	327	1996 XG ₁₅	1996 12 18.65611	07 26 35.50	+21 53 40.2		327
1996 WL ₃	1996 11 28.67885	03 39 48.25	+29 27 45.8	327	1996 XG ₁₅	1996 12 18.67778	07 26 34.38	+21 53 40.2		327
1996 WL ₃	1996 11 28.69674	03 39 46.84	+29 27 43.1	18.7 V 327	1996 XG ₁₅	1996 12 18.69947	07 26 33.25	+21 53 40.2	18.1	327
1996 WL ₃	1996 11 30.60185	03 37 33.15	+29 20 48.0	327	1996 XG ₁₅	1996 12 19.64263	07 25 45.50	+21 53 40.2		327
1996 WL ₃	1996 11 30.69797	03 37 26.24	+29 20 27.4	327	1996 XG ₁₅	1996 12 19.66444	07 25 44.25	+21 53 39.6		327
1996 WL ₃	1996 11 30.71449	03 37 25.05	+29 20 24.1	18.8 V 327	1996 XG ₁₅	1996 12 19.68910	07 25 43.00	+21 53 40.6	18.1	327
1996 WM ₃	* 1996 11 29.50924	01 15 55.48	+05 41 11.2	327	1996 XG ₁₅	1996 12 22.70472	07 23 00.38	+21 53 47.5		327
1996 WM ₃	1996 11 29.61611	01 15 56.33	+05 41 10.1	18.5 V 327	1996 XG ₁₅	1996 12 22.72036	07 22 59.38	+21 53 47.3		327
1996 WM ₃	1996 11 29.63780	01 15 56.44	+05 41 10.0	327	1996 XG ₁₅	1996 12 22.73525	07 22 58.62	+21 53 47.2	18.0	327
1996 WM ₃	1996 12 02.53272	01 16 33.03	+05 41 48.2	18.5 V 327	1996 XH ₁₅	1996 12 08.75406	07 34 39.57	+21 58 39.8		327
1996 WM ₃	1996 12 02.54778	01 16 33.21	+05 41 48.6	327	1996 XH ₁₅	1996 12 08.76708	07 34 38.95	+21 58 38.9	18.3	327
1996 WM ₃	1996 12 02.56275	01 16 33.39	+05 41 48.7	327	1996 XH ₁₅	1996 12 08.78012	07 34 38.42	+21 58 38.7		327
1996 XK ₁	1996 11 07.82608	07 17 46.38	+23 06 06.6	18.7 V 327	1996 XJ ₁₅	1996 12 08.75406	07 34 35.89	+22 07 50.6		327
1996 XK ₁	1996 11 07.84098	07 17 46.73	+23 06 06.2	327	1996 XJ ₁₅	1996 12 08.76708	07 34 35.30	+22 07 53.8		327
1996 XK ₁	1996 11 07.85519	07 17 47.07	+23 06 05.2	327	1996 XJ ₁₅	1996 12 08.78012	07 34 34.79	+22 07 56.3	18.5	327
1996 XR ₁	1996 12 28.82573	07 03 52.12	+24 14 17.8	327	1996 XJ ₁₅	1996 12 18.72712	07 26 46.88	+22 45 32.1		327
1996 XR ₁	1996 12 28.83549	07 03 51.62	+24 14 19.1	17.3 327	1996 XJ ₁₅	1996 12 18.74016	07 26 46.25	+22 45 34.7	18.6	327
1996 XR ₁	1996 12 28.84515	07 03 51.12	+24 14 20.2	327	1996 XJ ₁₅	1996 12 18.75325	07 26 45.50	+22 45 38.6		327
1996 XA ₃	1996 12 30.60177	05 26 03.00	+23 22 28.3	17.4 327	1996 XJ ₁₅	1996 12 19.63779	07 25 57.62	+22 49 08.7		327
1996 XA ₃	1996 12 30.61043	05 26 02.50	+23 22 25.0	327	1996 XJ ₁₅	1996 12 19.66007	07 25 56.38	+22 49 14.2		327
1996 XA ₃	1996 12 30.61910	05 26 02.00	+23 22 20.7	327	1996 XJ ₁₅	1996 12 19.68476	07 25 55.00	+22 49 20.2	18.5	327
1996 XB ₆	1996 11 07.82608	07 18 36.83	+22 46 57.3	327	1996 XK ₁₅	1996 12 10.75366	07 33 21.77	+22 25 38.8		327
1996 XB ₆	1996 11 07.84098	07 18 37.10	+22 47 01.8	17.7 V 327	1996 XK ₁₅	1996 12 10.77273	07 33 20.90	+22 25 42.5	18.1 V	327
1996 XB ₆	1996 11 07.85519	07 18 37.44	+22 47 06.2	327	1996 XK ₁₅	1996 12 10.79182	07 33 19.98	+22 25 46.0		327
1996 XF ₉	1996 12 20.56788	05 53 36.62	+23 39 46.7	327	1996 XM ₁₅	1996 12 08.75406	07 35 58.29	+22 01 45.7		327
1996 XF ₉	1996 12 20.58090	05 53 35.62	+23 39 47.2	327	1996 XM ₁₅	1996 12 08.76708	07 35 57.76	+22 01 44.6	18.8 V	327
1996 XF ₉	1996 12 20.58957	05 53 35.00	+23 39 47.5	17.7 327	1996 XM ₁₅	1996 12 08.78012	07 35 57.19	+22 01 43.4		327
1996 XM ₁₃	1996 12 29.55869	04 45 53.75	+22 32 43.2	327	1996 XN ₁₅	1996 12 18.72278	07 29 38.12	+22 43 37.5	18.5	327
1996 XM ₁₃	1996 12 29.57317	04 45 53.06	+22 32 42.8	327	1996 XN ₁₅	1996 12 18.73580	07 29 37.50	+22 43 39.8		327
1996 XM ₁₃	1996 12 29.58773	04 45 52.31	+22 32 42.6	18.6 327	1996 XN ₁₅	1996 12 18.74888	07 29 36.88	+22 43 42.1		327
1996 XO ₁₃	1996 12 29.55380	04 49 37.50	+21 26 55.2	327	1996 XO ₁₅	1996 12 18.72278	07 30 30.62	+22 01 00.3		327
1996 XO ₁₃	1996 12 29.56836	04 49 36.88	+21 26 52.6	327	1996 XO ₁₅	1996 12 18.73580	07 30 30.00	+22 01 02.0		327
1996 XO ₁₃	1996 12 29.58284	04 49 36.19	+21 26 49.7	18.5 327	1996 XO ₁₅	1996 12 18.74888	07 30 29.38	+22 01 02.7	18.3	327
1996 XY ₁₄	1996 12 19.65134	07 21 18.12	+22 55 29.1	327	1996 XP ₁₅	1996 12 18.72278	07 30 18.00	+22 14 04.2	18.1	327
1996 XY ₁₄	1996 12 19.68041	07 21 16.25	+22 55 29.6	17.5 327	1996 XP ₁₅	1996 12 18.73580	07 30 17.50	+22 14 05.2		327
1996 XY ₁₄	1996 12 19.69775	07 21 15.12	+22 55 29.5	327	1996 XP ₁₅	1996 12 18.74888	07 30 16.75	+22 14 06.2		327
1996 XC ₁₅	1996 12 18.72712	07 25 17.00	+22 49 13.1	327	1996 XR ₁₅	1996 12 18.72712	07 27 38.75	+23 13 59.7		327
1996 XC ₁₅	1996 12 18.74016	07 25 16.38	+22 49 14.8	327	1996 XR ₁₅	1996 12 18.74016	07 27 38.12	+23 14 01.0		327
1996 XC ₁₅	1996 12 18.75325	07 25 15.75	+22 49 16.7	16.8 327	1996 XR ₁₅	1996 12 18.75325	07 27 37.50	+23 14 02.6	18.7	327

1996 XS ₁₅	1996 12 08.75406	07 35 03.16	+22 07 15.3		327	1996 XR ₂₆	1996 12 04.60515	01 50 36.32	+15 36 28.4	18.3 V	327
1996 XS ₁₅	1996 12 08.76708	07 35 02.58	+22 07 29.9	18.2	327	1996 XR ₂₆	1996 12 04.62395	01 50 35.82	+15 36 23.0		327
1996 XS ₁₅	1996 12 08.78012	07 35 01.91	+22 07 44.7		327	1996 XR ₂₆	1996 12 04.64227	01 50 35.40	+15 36 17.6		327
1996 XS ₁₅	1996 12 18.73146	07 25 45.00	+25 24 30.1	18.7	327	1996 XR ₂₆	* 1996 12 06.54201	01 49 56.22	+15 27 18.8		327
1996 XS ₁₅	1996 12 18.74451	07 25 44.12	+25 24 46.6		327	1996 XR ₂₆	1996 12 06.55506	01 49 55.88	+15 27 14.4	18.6 V	327
1996 XS ₁₅	1996 12 18.75760	07 25 43.12	+25 25 02.2		327	1996 XR ₂₆	1996 12 06.56806	01 49 55.59	+15 27 10.2		327
1996 XS ₁₅	1996 12 19.63346	07 24 42.12	+25 43 13.1	18.5	327	1996 XR ₂₆	1996 12 10.52411	01 48 49.25	+15 09 51.2	18.5	327
1996 XS ₁₅	1996 12 19.65572	07 24 40.50	+25 43 40.7		327	1996 XR ₂₆	1996 12 10.53907	01 48 49.06	+15 09 47.6		327
1996 XS ₁₅	1996 12 19.67472	07 24 39.00	+25 44 04.5		327	1996 XR ₂₆	1996 12 10.55600	01 48 48.75	+15 09 43.1		327
1996 XN ₁₇	1996 12 27.61778	03 25 56.12	+21 15 33.3	17.6	327	1996 XS ₂₆	* 1996 12 06.54635	01 53 07.54	+15 34 18.4		327
1996 XN ₁₇	1996 12 27.63446	03 25 55.75	+21 15 39.2		327	1996 XS ₂₆	1996 12 06.55939	01 53 07.40	+15 34 13.4		327
1996 XN ₁₇	1996 12 27.64986	03 25 55.44	+21 15 45.8		327	1996 XS ₂₆	1996 12 06.57243	01 53 07.31	+15 34 10.4	19.7 V	327
1996 XY ₁₇	1996 11 02.83138	04 05 55.56	+24 34 05.6		327	1996 XS ₂₆	1996 12 10.53438	01 53 07.88	+15 17 23.0	19.6	327
1996 XY ₁₇	1996 11 02.84549	04 05 54.90	+24 34 01.3	17.6 V	327	1996 XS ₂₆	1996 12 10.55096	01 53 07.94	+15 17 18.8		327
1996 XY ₁₇	1996 11 02.85865	04 05 54.21	+24 33 56.5		327	1996 XS ₂₆	1996 12 10.56470	01 53 08.00	+15 17 16.0		327
1996 XY ₁₇	1996 11 13.68535	03 55 52.88	+23 27 53.6		327	1996 XT ₂₆	* 1996 12 06.54635	01 55 19.88	+15 03 30.4	17.9 V	327
1996 XY ₁₇	1996 11 13.70701	03 55 51.47	+23 27 45.0	17.2 V	327	1996 XT ₂₆	1996 12 06.55939	01 55 19.34	+15 03 40.3		327
1996 XY ₁₇	1996 11 13.73036	03 55 49.96	+23 27 35.2		327	1996 XT ₂₆	1996 12 06.57243	01 55 18.73	+15 03 49.3		327
1996 XR ₁₈	1996 12 20.59390	05 55 38.25	+23 23 28.6		327	1996 XT ₂₆	1996 12 10.53438	01 52 55.00	+15 52 59.8		327
1996 XR ₁₈	1996 12 20.63507	05 55 35.88	+23 23 27.7		327	1996 XT ₂₆	1996 12 10.55096	01 52 54.44	+15 53 12.0	18.0	327
1996 XR ₁₈	1996 12 20.64812	05 55 35.00	+23 23 27.6	16.9	327	1996 XT ₂₆	1996 12 10.56470	01 52 54.00	+15 53 22.2		327
1996 XB ₁₉	1996 12 10.63193	04 58 33.75	+22 56 50.1	16.9	327	1996 XU ₂₆	1996 11 01.55749	00 20 10.01	+13 05 29.5	17.8 V	327
1996 XB ₁₉	1996 12 10.64807	04 58 32.56	+22 56 50.0		327	1996 XU ₂₆	1996 11 01.57049	00 20 09.55	+13 05 26.6		327
1996 XB ₁₉	1996 12 10.66405	04 58 31.38	+22 56 49.7		327	1996 XU ₂₆	1996 11 01.58374	00 20 09.06	+13 05 23.0		327
1996 XL ₁₉	1996 11 07.82608	07 16 37.86	+23 02 07.9	19.7 V	327	1996 XU ₂₆	* 1996 12 08.53307	00 23 10.03	+12 27 25.2	18.6 V	327
1996 XL ₁₉	1996 11 07.84098	07 16 38.37	+23 02 06.8		327	1996 XU ₂₆	1996 12 08.54606	00 23 10.56	+12 27 27.0		327
1996 XL ₁₉	1996 11 07.85519	07 16 38.85	+23 02 06.9		327	1996 XU ₂₆	1996 12 08.55909	00 23 11.08	+12 27 29.5		327
1996 XQ ₁₉	1996 12 10.64278	04 27 29.27	+21 54 53.0	17.9 V	327	1996 XU ₂₆	1996 12 14.48182	00 27 46.71	+12 42 10.6	18.4 V	327
1996 XQ ₁₉	1996 12 10.65858	04 27 28.38	+21 54 50.2		327	1996 XU ₂₆	1996 12 14.49755	00 27 47.48	+12 42 14.0		327
1996 XQ ₁₉	1996 12 10.67458	04 27 27.53	+21 54 47.4		327	1996 XU ₂₆	1996 12 14.51272	00 27 48.22	+12 42 16.0		327
1996 XQ ₁₉	1996 12 18.51256	04 20 45.44	+21 31 39.0		327	1996 XU ₂₆	1996 12 22.53586	00 35 28.44	+13 10 52.0		327
1996 XQ ₁₉	1996 12 18.53420	04 20 44.38	+21 31 35.7	17.9	327	1996 XU ₂₆	1996 12 22.54888	00 35 29.25	+13 10 55.7		327
1996 XQ ₁₉	1996 12 18.55642	04 20 43.31	+21 31 32.0		327	1996 XU ₂₆	1996 12 22.55329	00 35 29.50	+13 10 55.7	18.3	327
1996 XO ₂₆	* 1996 12 06.50682	00 51 15.89	+01 30 53.9	18.6 V	327	1996 XU ₂₆	1996 12 22.55762	00 35 29.75	+13 10 57.7		327
1996 XO ₂₆	1996 12 06.51981	00 51 16.30	+01 30 56.6		327	1996 XV ₂₆	* 1996 12 08.53307	00 23 18.09	+12 37 02.2	19.4 V	327
1996 XO ₂₆	1996 12 06.53285	00 51 16.71	+01 30 58.1		327	1996 XV ₂₆	1996 12 08.54606	00 23 18.63	+12 37 04.2		327
1996 XO ₂₆	1996 12 12.45789	00 54 56.91	+01 51 32.1		327	1996 XV ₂₆	1996 12 08.55909	00 23 19.02	+12 37 06.6		327
1996 XO ₂₆	1996 12 12.47314	00 54 57.51	+01 51 35.0		327	1996 XV ₂₆	1996 12 14.48182	00 27 46.31	+12 57 05.5		327
1996 XO ₂₆	1996 12 12.48810	00 54 58.12	+01 51 39.1	18.3 V	327	1996 XV ₂₆	1996 12 14.49755	00 27 47.08	+12 57 09.5		327
1996 XP ₂₆	* 1996 12 06.50682	00 51 18.75	+01 07 52.8		327	1996 XV ₂₆	1996 12 14.51272	00 27 47.75	+12 57 13.1	19.3 V	327
1996 XP ₂₆	1996 12 06.51981	00 51 18.95	+01 07 55.5	19.3 V	327	1996 XW ₂₆	* 1996 12 08.83411	09 33 31.23	+18 42 29.5		327
1996 XP ₂₆	1996 12 06.53285	00 51 19.21	+01 07 58.3		327	1996 XW ₂₆	1996 12 08.84764	09 33 31.78	+18 42 30.3		327
1996 XP ₂₆	1996 12 12.44797	00 53 09.95	+01 28 26.7		327	1996 XW ₂₆	1996 12 08.86064	09 33 32.31	+18 42 31.5	20.8 V	327
1996 XP ₂₆	1996 12 12.46314	00 53 10.29	+01 28 29.6	19.0 V	327	1996 XW ₂₆	1996 12 12.87231	09 36 00.75	+18 49 00.2	19.9	327
1996 XP ₂₆	1996 12 12.47837	00 53 10.68	+01 28 33.2		327	1996 XW ₂₆	1996 12 12.89240	09 36 01.50	+18 49 02.2		327
1996 XQ ₂₆	* 1996 12 06.51115	00 48 59.94	+02 47 12.8	19.1 V	327	1996 XW ₂₆	1996 12 12.91301	09 36 02.12	+18 49 05.7		327
1996 XQ ₂₆	1996 12 06.52417	00 49 00.32	+02 47 15.9		327	1996 XX ₂₆	* 1996 12 08.83844	09 37 07.71	+18 11 09.2	20.4 V	327
1996 XQ ₂₆	1996 12 06.53719	00 49 00.76	+02 47 20.4		327	1996 XX ₂₆	1996 12 08.85198	09 37 08.03	+18 11 12.7		327
1996 XQ ₂₆	1996 12 12.45286	00 52 28.62	+03 18 00.1	19.3	327	1996 XX ₂₆	1996 12 08.86499	09 37 08.45	+18 11 14.5		327
1996 XQ ₂₆	1996 12 12.46816	00 52 29.25	+03 18 05.1		327	1996 XX ₂₆	1996 12 12.87723	09 38 47.88	+18 26 33.5		327
1996 XQ ₂₆	1996 12 12.48324	00 52 29.81	+03 18 10.6		327	1996 XX ₂₆	1996 12 12.89727	09 38 48.38	+18 26 39.2		327
1996 XR ₂₆	1996 12 04.58513	01 50 36.77	+15 36 34.3		327	1996 XX ₂₆	1996 12 12.91804	09 38 48.75	+18 26 44.7	19.2	327

1996 XX ₂₆	1996 12 18.85317	09 40 29.25	+18 55 15.3	19.7	327	1996 XM ₃₁	1996 12 17.48365	03 29 31.38	+20 58 40.0	18.2	327
1996 XX ₂₆	1996 12 18.86800	09 40 29.38	+18 55 19.7	19.7	327	1996 XM ₃₁	1996 12 17.50100	03 29 30.81	+20 58 33.7		327
1996 XX ₂₆	1996 12 18.88469	09 40 29.50	+18 55 25.5	19.7	327	1996 XN ₃₁	* 1996 12 08.72161	06 44 09.97	+23 19 35.0		327
1996 XX ₂₆	1997 01 04.86451	09 39 36.75	+20 56 33.7		327	1996 XN ₃₁	1996 12 08.73466	06 44 09.41	+23 19 35.5	18.9	327
1996 XX ₂₆	1997 01 04.87321	09 39 36.62	+20 56 38.0	18.0	327	1996 XN ₃₁	1996 12 08.74951	06 44 08.73	+23 19 36.3		327
1996 XX ₂₆	1997 01 04.88208	09 39 36.38	+20 56 42.1		327	1996 XN ₃₁	1996 12 18.60287	06 36 33.50	+23 30 46.2		327
1996 XX ₂₆	1997 01 08.86480	09 38 06.25	+21 33 07.0		327	1996 XN ₃₁	1996 12 18.62020	06 36 32.62	+23 30 48.0	19.0	327
1996 XX ₂₆	1997 01 08.87502	09 38 06.00	+21 33 13.3		327	1996 XN ₃₁	1996 12 18.63780	06 36 31.75	+23 30 48.8		327
1996 XX ₂₆	1997 01 08.88543	09 38 05.62	+21 33 18.7	17.6	327	1996 XO ₃₁	* 1996 12 08.75406	07 32 54.35	+21 27 49.8	18.7	327
1996 XY ₂₆	1996 12 08.83844	09 40 22.26	+18 29 11.8		327	1996 XO ₃₁	1996 12 08.76708	07 32 53.88	+21 27 49.3		327
1996 XY ₂₆	* 1996 12 08.84331	09 40 22.50	+18 29 14.5		327	1996 XO ₃₁	1996 12 08.78012	07 32 53.42	+21 27 50.5		327
1996 XY ₂₆	1996 12 08.85198	09 40 22.81	+18 29 17.3	20.0 V	327	1996 XO ₃₁	1996 12 18.65611	07 26 35.50	+21 42 55.7	18.5	327
1996 XY ₂₆	1996 12 08.85631	09 40 23.11	+18 29 19.4	19.9 V	327	1996 XO ₃₁	1996 12 18.67778	07 26 34.62	+21 42 58.2		327
1996 XY ₂₆	1996 12 08.86499	09 40 23.54	+18 29 21.9		327	1996 XO ₃₁	1996 12 18.69947	07 26 33.62	+21 43 00.3		327
1996 XY ₂₆	1996 12 08.86933	09 40 23.75	+18 29 24.2		327	1996 XQ ₃₁	* 1996 12 08.75406	07 35 54.85	+21 14 38.1	19.2	327
1996 XY ₂₆	1996 12 12.88255	09 43 34.12	+18 56 04.3		327	1996 XQ ₃₁	1996 12 08.76708	07 35 54.34	+21 14 44.3		327
1996 XY ₂₆	1996 12 12.90265	09 43 35.00	+18 56 12.7	19.8	327	1996 XQ ₃₁	1996 12 08.78012	07 35 54.02	+21 14 50.5		327
1996 XY ₂₆	1996 12 12.92324	09 43 35.88	+18 56 21.6		327	1996 XQ ₃₁	1996 12 18.72278	07 29 23.75	+22 37 01.2		327
1996 XZ ₂₆	* 1996 12 08.83411	09 34 42.79	+18 28 03.3		327	1996 XQ ₃₁	1996 12 18.73580	07 29 23.12	+22 37 08.6	18.8	327
1996 XZ ₂₆	1996 12 08.84764	09 34 43.23	+18 28 01.0		327	1996 XQ ₃₁	1996 12 18.74888	07 29 22.50	+22 37 15.5		327
1996 XZ ₂₆	1996 12 08.86064	09 34 43.68	+18 28 00.2	19.7 V	327	1996 XQ ₃₁	1996 12 19.64696	07 28 39.12	+22 45 05.1		327
1996 XZ ₂₆	1996 12 12.87231	09 36 51.38	+18 22 55.7		327	1996 XQ ₃₁	1996 12 19.66880	07 28 38.00	+22 45 16.7	18.6	327
1996 XZ ₂₆	1996 12 12.89240	09 36 51.88	+18 22 53.8		327	1996 XQ ₃₁	1996 12 19.69343	07 28 36.75	+22 45 29.1		327
1996 XZ ₂₆	1996 12 12.91301	09 36 52.50	+18 22 52.2	19.8	327	1996 XR ₃₁	* 1996 12 08.75843	07 38 59.21	+21 16 47.8		327
1996 XA ₂₇	* 1996 12 12.56819	03 10 22.44	+40 05 13.2		327	1996 XR ₃₁	1996 12 08.77144	07 38 58.65	+21 16 52.4		327
1996 XA ₂₇	1996 12 12.57793	03 10 21.94	+40 05 08.8		327	1996 XR ₃₁	1996 12 08.78447	07 38 58.31	+21 16 54.3	19.2	327
1996 XA ₂₇	1996 12 12.58802	03 10 21.56	+40 05 02.6	15.6	327	1996 XR ₃₁	1996 12 18.72278	07 31 46.50	+22 00 48.5		327
1996 XA ₂₇	1996 12 12.59771	03 10 21.25	+40 04 57.5		327	1996 XR ₃₁	1996 12 18.73580	07 31 45.88	+22 00 51.3	18.4	327
1996 XA ₂₇	1996 12 16.58912	03 08 27.75	+39 27 04.6		327	1996 XR ₃₁	1996 12 18.74888	07 31 45.25	+22 00 55.7		327
1996 XA ₂₇	1996 12 16.59374	03 08 27.69	+39 27 02.0	15.9	327	1996 XS ₃₁	* 1996 12 08.75843	07 39 25.94	+21 42 59.5		327
1996 XA ₂₇	1996 12 16.59818	03 08 27.56	+39 26 59.7		327	1996 XS ₃₁	1996 12 08.77144	07 39 25.43	+21 43 02.0		327
1996 XA ₂₇	1996 12 16.60272	03 08 27.44	+39 26 56.7		327	1996 XS ₃₁	1996 12 08.78447	07 39 25.02	+21 43 04.6	17.5	327
1996 XA ₂₇	1996 12 20.60642	03 07 05.94	+38 48 45.7	16.2	327	1996 XS ₃₁	1996 12 18.66478	07 33 42.62	+22 17 23.6	16.4	327
1996 XA ₂₇	1996 12 20.61075	03 07 05.88	+38 48 43.2	16.3	327	1996 XS ₃₁	1996 12 18.68645	07 33 41.75	+22 17 28.2		327
1996 XA ₂₇	1996 12 20.61510	03 07 05.81	+38 48 40.8		327	1996 XS ₃₁	1996 12 18.70815	07 33 40.88	+22 17 32.6		327
1996 XA ₂₇	1996 12 20.61944	03 07 05.75	+38 48 38.2		327	1996 XT ₃₁	* 1996 12 08.79314	08 33 04.84	+18 43 49.2		327
1996 XA ₂₇	1996 12 22.58066	03 06 37.94	+38 30 03.2		327	1996 XT ₃₁	1996 12 08.80615	08 33 04.54	+18 43 48.4	19.0	327
1996 XA ₂₇	1996 12 22.60947	03 06 37.50	+38 29 46.7	16.4	327	1996 XT ₃₁	1996 12 08.81916	08 33 04.21	+18 43 48.6		327
1996 XA ₂₇	1996 12 22.62206	03 06 37.31	+38 29 39.6		327	1996 XT ₃₁	1996 12 18.81476	08 29 09.50	+18 45 55.6		327
1996 XK ₂₉	1997 01 10.47777	03 20 57.44	+21 34 49.0		327	1996 XT ₃₁	1996 12 18.83115	08 29 09.00	+18 45 56.6		327
1996 XK ₂₉	1997 01 10.49266	03 20 57.69	+21 34 53.5		327	1996 XT ₃₁	1996 12 18.84414	08 29 08.62	+18 45 57.7	19.0	327
1996 XK ₂₉	1997 01 10.50756	03 20 57.94	+21 34 58.3	17.4	327	1996 XU ₃₁	* 1996 12 10.64278	04 25 44.89	+21 57 15.9	17.7	327
1996 XK ₂₉	1997 01 14.47097	03 22 33.06	+21 56 33.6		327	1996 XU ₃₁	1996 12 10.65858	04 25 43.92	+21 57 04.7		327
1996 XK ₂₉	1997 01 14.48641	03 22 33.50	+21 56 38.7	16.8	327	1996 XU ₃₁	1996 12 10.67458	04 25 42.97	+21 56 52.6		327
1996 XK ₂₉	1997 01 14.50187	03 22 33.88	+21 56 44.1		327	1996 XU ₃₁	1996 12 18.51689	04 18 38.88	+20 25 48.2		327
1996 XY ₃₀	1996 12 08.75843	07 39 08.15	+21 18 23.6		327	1996 XU ₃₁	1996 12 18.53854	04 18 37.81	+20 25 33.3		327
1996 XY ₃₀	1996 12 08.77144	07 39 07.67	+21 18 26.5	17.3 V	327	1996 XU ₃₁	1996 12 18.56075	04 18 36.69	+20 25 18.7	18.0	327
1996 XY ₃₀	1996 12 08.78447	07 39 07.24	+21 18 28.0		327	1996 XV ₃₁	* 1996 12 12.65053	05 00 41.25	+39 46 41.2		327
1996 XM ₃₁	* 1996 12 08.67645	03 35 01.94	+21 59 43.6		327	1996 XV ₃₁	1996 12 12.66062	05 00 40.50	+39 46 40.3		327
1996 XM ₃₁	1996 12 08.68947	03 35 01.28	+21 59 38.4	17.9	327	1996 XV ₃₁	1996 12 12.67125	05 00 40.00	+39 46 40.2	17.6	327
1996 XM ₃₁	1996 12 08.70247	03 35 00.64	+21 59 31.8		327	1996 XV ₃₁	1996 12 18.56973	04 54 20.94	+39 38 14.0	17.6	327
1996 XM ₃₁	1996 12 17.46630	03 29 31.88	+20 58 46.6		327	1996 XV ₃₁	1996 12 18.57409	04 54 20.69	+39 38 13.6		327

1996 XV ₃₁	1996 12 18.57843	04 54 20.38	+39 38 13.2	327	1996 XF ₃₃	* 1996 12 06.47022	00 49 12.01	+01 32 45.6		327
1996 XV ₃₁	1996 12 18.58286	04 54 20.06	+39 38 12.5	327	1996 XF ₃₃	1996 12 06.51550	00 49 13.12	+01 33 10.4	17.9 V	327
1996 XV ₃₁	1996 12 18.58736	04 54 19.81	+39 38 12.2	327	1996 XF ₃₃	1996 12 06.52851	00 49 13.48	+01 33 17.0		327
1996 XW ₃₁	* 1996 12 12.74203	07 19 32.75	+40 27 48.6	327	1996 XF ₃₃	1996 12 12.45286	00 52 23.56	+02 27 32.6		327
1996 XW ₃₁	1996 12 12.75146	07 19 32.25	+40 27 50.5	327	1996 XF ₃₃	1996 12 12.46816	00 52 24.06	+02 27 41.6		327
1996 XW ₃₁	1996 12 12.76108	07 19 31.75	+40 27 52.2	17.2	327	1996 XF ₃₃	1996 12 12.48324	00 52 24.62	+02 27 49.8	17.7
1996 XW ₃₁	1996 12 16.70322	07 15 56.31	+40 39 41.0	16.9	327	1996 XF ₃₃	1996 12 29.48774	01 06 38.19	+05 21 47.6	
1996 XW ₃₁	1996 12 16.71865	07 15 55.46	+40 39 44.1		327	1996 XF ₃₃	1996 12 29.49641	01 06 38.75	+05 21 53.1	
1996 XW ₃₁	1996 12 16.75066	07 15 53.55	+40 39 48.9		327	1996 XF ₃₃	1996 12 29.50510	01 06 39.25	+05 21 58.6	17.7
1996 XW ₃₁	1996 12 18.76485	07 13 55.75	+40 45 04.1		327	1996 XF ₃₃	1997 01 02.47616	01 10 55.12	+06 05 28.1	
1996 XW ₃₁	1996 12 18.77988	07 13 54.88	+40 45 06.2	16.7	327	1996 XF ₃₃	1997 01 02.48920	01 10 56.00	+06 05 36.7	18.3
1996 XW ₃₁	1996 12 18.80118	07 13 53.50	+40 45 09.0		327	1996 XF ₃₃	1997 01 02.50221	01 10 56.81	+06 05 45.2	
1996 XX ₃₁	* 1996 12 12.74203	07 21 41.25	+40 01 22.7		327	1996 XF ₃₃	1997 01 10.42697	01 20 22.50	+07 34 44.2	
1996 XX ₃₁	1996 12 12.75146	07 21 40.62	+40 01 24.7	17.3	327	1996 XF ₃₃	1997 01 10.43788	01 20 23.31	+07 34 51.3	18.7
1996 XX ₃₁	1996 12 12.76108	07 21 40.00	+40 01 27.5		327	1996 XF ₃₃	1997 01 10.44868	01 20 24.12	+07 34 59.5	
1996 XX ₃₁	1996 12 16.70322	07 17 27.44	+40 15 39.0	17.4	327	1996 XF ₃₃	1997 01 10.46016	01 20 25.00	+07 35 07.0	
1996 XX ₃₁	1996 12 16.71865	07 17 26.31	+40 15 42.2		327	1996 XG ₃₃	* 1996 12 06.82303	09 56 15.84	-00 41 55.5	
1996 XX ₃₁	1996 12 16.75066	07 17 24.14	+40 15 49.1		327	1996 XG ₃₃	1996 12 06.83163	09 56 16.17	-00 42 01.5	
1996 XX ₃₁	1996 12 18.76485	07 15 05.25	+40 22 07.7		327	1996 XG ₃₃	1996 12 06.84035	09 56 16.40	-00 42 07.4	19.8 V
1996 XX ₃₁	1996 12 18.77988	07 15 04.12	+40 22 10.2	17.6	327	1996 XG ₃₃	1996 12 07.85759	09 56 51.74	-00 53 10.3	
1996 XX ₃₁	1996 12 18.80118	07 15 02.62	+40 22 14.2		327	1996 XG ₃₃	1996 12 07.86613	09 56 52.05	-00 53 16.8	
1996 XY ₃₁	* 1996 12 12.81313	09 00 15.25	+40 18 45.7	18.9	327	1996 XG ₃₃	1996 12 07.87684	09 56 52.43	-00 53 24.0	19.5 V
1996 XY ₃₁	1996 12 12.82259	09 00 15.12	+40 18 50.3		327	1996 XH ₃₃	* 1996 12 08.83844	09 37 52.17	+18 37 47.5	
1996 XY ₃₁	1996 12 12.83212	09 00 15.00	+40 18 57.2		327	1996 XH ₃₃	1996 12 08.85198	09 37 52.61	+18 37 50.0	
1996 XY ₃₁	1996 12 16.87248	08 59 16.62	+40 57 38.2		327	1996 XH ₃₃	1996 12 08.86499	09 37 53.01	+18 37 52.1	20.3 V
1996 XY ₃₁	1996 12 16.87807	08 59 16.50	+40 57 41.8		327	1996 XH ₃₃	1996 12 12.87723	09 39 50.25	+18 51 09.5	
1996 XY ₃₁	1996 12 16.88241	08 59 16.38	+40 57 43.6		327	1996 XH ₃₃	1996 12 12.89727	09 39 50.62	+18 51 14.3	20.0
1996 XY ₃₁	1996 12 16.88674	08 59 16.38	+40 57 46.6	19.1	327	1996 XH ₃₃	1996 12 12.91804	09 39 51.12	+18 51 19.2	
1996 XG ₃₂	1997 01 09.53757	04 11 40.31	+19 52 08.7		327	1996 XH ₃₃	1996 12 18.85317	09 41 43.25	+19 17 07.5	20.0
1996 XG ₃₂	1997 01 09.55253	04 11 39.94	+19 52 07.7	17.7	327	1996 XH ₃₃	1996 12 18.86800	09 41 43.38	+19 17 11.7	20.0
1996 XG ₃₂	1997 01 09.56709	04 11 39.56	+19 52 06.6		327	1996 XH ₃₃	1996 12 18.88469	09 41 43.62	+19 17 17.0	20.1
1996 XG ₃₂	1997 01 11.58455	04 10 55.94	+19 49 47.2		327	1996 XJ ₃₃	* 1996 12 10.75366	07 35 28.85	+22 33 22.2	
1996 XG ₃₂	1997 01 11.59977	04 10 55.56	+19 49 46.1	17.8	327	1996 XJ ₃₃	1996 12 10.77273	07 35 27.97	+22 33 27.6	19.0 V
1996 XG ₃₂	1997 01 11.61505	04 10 55.25	+19 49 45.5		327	1996 XJ ₃₃	1996 12 10.79182	07 35 27.00	+22 33 31.9	
1996 XA ₃₃	1996 12 18.52122	04 16 12.25	+22 10 37.1		327	1996 XJ ₃₃	1996 12 11.77934	07 34 38.52	+22 37 38.7	
1996 XA ₃₃	1996 12 18.54287	04 16 11.06	+22 10 36.6	16.5	327	1996 XJ ₃₃	1996 12 11.78881	07 34 37.98	+22 37 41.2	18.6 V
1996 XA ₃₃	1996 12 18.56509	04 16 09.81	+22 10 35.6		327	1996 XJ ₃₃	1996 12 11.79749	07 34 37.52	+22 37 43.5	
1996 XA ₃₃	1996 12 24.59617	04 11 18.62	+22 06 54.8		327	1996 XK ₃₃	* 1996 12 04.58513	01 49 03.80	+15 36 02.3	
1996 XA ₃₃	1996 12 24.61082	04 11 17.94	+22 06 54.5	16.8	327	1996 XK ₃₃	1996 12 04.60515	01 49 03.41	+15 36 01.4	
1996 XA ₃₃	1996 12 24.62519	04 11 17.31	+22 06 54.0		327	1996 XK ₃₃	1996 12 04.62395	01 49 02.99	+15 36 02.2	18.4 V
1996 XA ₃₃	1996 12 25.67095	04 10 33.50	+22 06 24.2		327	1996 XK ₃₃	1996 12 04.64227	01 49 02.62	+15 36 02.6	
1996 XA ₃₃	1996 12 25.68539	04 10 32.81	+22 06 23.2		327	1996 XK ₃₃	1996 12 06.54201	01 48 29.94	+15 36 10.6	
1996 XA ₃₃	1996 12 25.70022	04 10 32.25	+22 06 23.2	17.5	327	1996 XK ₃₃	1996 12 06.55506	01 48 29.75	+15 36 10.5	
1996 XA ₃₃	1996 12 26.58984	04 09 57.00	+22 06 01.2		327	1996 XK ₃₃	1996 12 06.56806	01 48 29.55	+15 36 10.1	18.8 V
1996 XA ₃₃	1996 12 26.60138	04 09 56.50	+22 06 00.0		327	1996 XL ₃₃	1996 12 19.56221	04 54 29.75	+24 28 09.3	
1996 XA ₃₃	1996 12 26.61294	04 09 56.00	+22 05 59.3	16.6	327	1996 XL ₃₃	1996 12 19.57958	04 54 28.62	+24 28 12.0	18.4
1996 XE ₃₃	* 1996 12 06.47022	00 47 54.17	+01 38 52.2	19.5 V	327	1996 XL ₃₃	1996 12 19.59696	04 54 27.44	+24 28 14.7	
1996 XE ₃₃	1996 12 06.51550	00 47 55.53	+01 38 59.3		327	1996 XL ₃₃	1996 12 19.61435	04 54 26.25	+24 28 17.7	
1996 XE ₃₃	1996 12 06.52851	00 47 55.89	+01 39 00.6		327	1996 XL ₃₃	1996 12 29.61534	04 44 11.12	+24 52 15.6	
1996 XE ₃₃	1996 12 12.44797	00 51 28.35	+01 55 41.4		327	1996 XL ₃₃	1996 12 29.62522	04 44 10.56	+24 52 16.5	18.2
1996 XE ₃₃	1996 12 12.46314	00 51 28.96	+01 55 44.9		327	1996 XL ₃₃	1996 12 29.63481	04 44 10.06	+24 52 17.6	
1996 XE ₃₃	1996 12 12.47837	00 51 29.57	+01 55 48.6	19.3 V	327	1996 XM ₃₃	1996 12 10.63193	05 00 53.75	+23 02 45.1	

1996 XM ₃₃	1996 12 10.64807	05 00 52.75	+23 02 44.7	17.5	327	1996 YJ ₁	1996 12 18.58286	04 57 02.25	+39 23 46.8	327
1996 XM ₃₃	1996 12 10.66405	05 00 51.75	+23 02 44.2		327	1996 YJ ₁	1996 12 18.58736	04 57 01.94	+39 23 46.8	327
1996 XO ₃₃	* 1996 12 02.86682	09 33 38.25	+22 08 41.2	18.4	327	1996 YJ ₁	1996 12 22.59056	04 52 06.81	+39 28 41.3	327
1996 XO ₃₃	1996 12 02.88242	09 33 39.00	+22 08 41.2		327	1996 YJ ₁	1996 12 22.59488	04 52 06.44	+39 28 42.3	327
1996 XO ₃₃	1996 12 02.89767	09 33 39.62	+22 08 41.3		327	1996 YJ ₁	1996 12 22.59922	04 52 06.19	+39 28 42.5	17.0 327
1996 XO ₃₃	1996 12 12.88769	09 39 37.25	+22 19 44.7	18.4 V	327	1996 YJ ₁	1996 12 22.60355	04 52 05.81	+39 28 42.6	327
1996 XO ₃₃	1996 12 12.90824	09 39 37.84	+22 19 47.0		327	1996 YK ₁	* 1996 12 18.66912	07 37 54.88	+21 42 58.7	327
1996 XO ₃₃	1996 12 12.92811	09 39 38.24	+22 19 49.0		327	1996 YK ₁	1996 12 18.69078	07 37 53.88	+21 43 02.3	17.4 327
1996 XP ₃₃	* 1996 12 08.83411	09 35 03.40	+18 28 14.2		327	1996 YK ₁	1996 12 18.71249	07 37 52.88	+21 43 05.7	327
1996 XP ₃₃	1996 12 08.84764	09 35 03.78	+18 28 14.4		327	1996 YK ₁	1996 12 21.80354	07 35 32.25	+21 51 26.1	327
1996 XP ₃₃	1996 12 08.86064	09 35 04.06	+18 28 13.8	19.9 V	327	1996 YK ₁	1996 12 21.82088	07 35 31.38	+21 51 28.6	327
1996 XP ₃₃	1996 12 12.87231	09 36 51.00	+18 33 22.7		327	1996 YK ₁	1996 12 21.83823	07 35 30.50	+21 51 32.2	17.6 327
1996 XP ₃₃	1996 12 12.89240	09 36 51.50	+18 33 24.3		327	1996 YK ₁	1996 12 21.85559	07 35 29.75	+21 51 35.5	327
1996 XP ₃₃	1996 12 12.91301	09 36 51.88	+18 33 26.7	20.3	327	1996 YL ₁	* 1996 12 18.72712	07 27 26.50	+22 27 28.3	327
1996 XQ ₃₃	* 1996 12 10.58596	03 23 24.56	+32 27 55.3	18.4	327	1996 YL ₁	1996 12 18.74016	07 27 25.62	+22 27 26.6	327
1996 XQ ₃₃	1996 12 10.60596	03 23 23.62	+32 27 51.2		327	1996 YL ₁	1996 12 18.75325	07 27 24.88	+22 27 23.5	17.2 327
1996 XQ ₃₃	1996 12 10.62591	03 23 22.62	+32 27 47.3		327	1996 YL ₁	1996 12 22.70472	07 23 25.75	+22 12 28.0	327
1996 XQ ₃₃	1996 12 17.52731	03 18 30.81	+32 04 14.0		327	1996 YL ₁	1996 12 22.72036	07 23 24.75	+22 12 23.2	327
1996 XQ ₃₃	1996 12 17.54466	03 18 30.00	+32 04 10.0		327	1996 YL ₁	1996 12 22.73525	07 23 23.75	+22 12 21.0	16.9 327
1996 XQ ₃₃	1996 12 17.56313	03 18 29.38	+32 04 06.2	18.5	327	1996 YM ₁	* 1996 12 18.76485	07 13 21.38	+41 00 16.7	327
1996 XR ₃₃	* 1996 12 10.64278	04 27 03.36	+21 52 16.8	18.2 V	327	1996 YM ₁	1996 12 18.77988	07 13 20.38	+41 00 21.8	327
1996 XR ₃₃	1996 12 10.65858	04 27 02.25	+21 52 18.3		327	1996 YM ₁	1996 12 18.80118	07 13 19.12	+41 00 29.2	17.8 327
1996 XR ₃₃	1996 12 10.67458	04 27 01.11	+21 52 18.0		327	1996 YM ₁	1996 12 22.63240	07 09 20.38	+41 21 08.1	327
1996 XR ₃₃	1996 12 18.51256	04 18 35.69	+21 56 56.7		327	1996 YM ₁	1996 12 22.64106	07 09 19.88	+41 21 11.0	18.0 327
1996 XR ₃₃	1996 12 18.53420	04 18 34.38	+21 56 57.7	18.4	327	1996 YM ₁	1996 12 22.64976	07 09 19.25	+41 21 13.3	327
1996 XR ₃₃	1996 12 18.55642	04 18 33.00	+21 56 58.6		327	1996 YN ₁	1996 12 16.74169	07 12 01.50	+39 56 40.5	327
1996 XS ₃₃	* 1996 12 10.73884	07 31 26.25	+21 36 51.0		327	1996 YN ₁	1996 12 16.75615	07 12 00.12	+39 56 31.7	327
1996 XS ₃₃	1996 12 10.75848	07 31 25.25	+21 36 55.0	19.0	327	1996 YN ₁	1996 12 16.77211	07 11 58.62	+39 56 21.7	16.7 327
1996 XS ₃₃	1996 12 10.77752	07 31 24.50	+21 36 59.0		327	1996 YN ₁	1996 12 16.77904	07 11 58.00	+39 56 17.2	327
1996 XS ₃₃	1996 12 19.64263	07 23 51.62	+22 02 35.7		327	1996 YN ₁	* 1996 12 18.77102	07 08 53.88	+39 34 58.2	327
1996 XS ₃₃	1996 12 19.66444	07 23 50.38	+22 02 40.1	18.6	327	1996 YN ₁	1996 12 18.79681	07 08 51.25	+39 34 41.2	16.5 327
1996 XS ₃₃	1996 12 19.68910	07 23 49.00	+22 02 45.0		327	1996 YN ₁	1996 12 18.80554	07 08 50.50	+39 34 35.2	327
1996 XT ₃₃	* 1996 12 10.73884	07 31 38.38	+22 04 57.0	17.6	327	1996 YN ₁	1996 12 22.65843	07 02 38.75	+38 49 23.0	327
1996 XT ₃₃	1996 12 10.75848	07 31 37.62	+22 04 57.0		327	1996 YN ₁	1996 12 22.66716	07 02 37.88	+38 49 16.6	327
1996 XT ₃₃	1996 12 10.77752	07 31 37.00	+22 04 57.0		327	1996 YN ₁	1996 12 22.67582	07 02 37.00	+38 49 09.8	16.4 327
1996 XT ₃₃	1996 12 19.64263	07 25 21.62	+22 07 08.6		327	1996 YN ₁	1996 12 23.64708	07 01 00.75	+38 36 55.7	16.8 327
1996 XT ₃₃	1996 12 19.66444	07 25 20.50	+22 07 09.7		327	1996 YN ₁	1996 12 23.66184	07 00 59.12	+38 36 44.6	327
1996 XT ₃₃	1996 12 19.68910	07 25 19.12	+22 07 10.2	17.4	327	1996 YN ₁	1996 12 23.67692	07 00 57.50	+38 36 33.0	327
1996 XU ₃₃	* 1996 12 10.73884	07 32 13.00	+22 24 07.0		327	1996 YO ₁	* 1996 12 18.81910	08 33 02.75	+18 04 27.5	18.4 327
1996 XU ₃₃	1996 12 10.74895	07 32 12.56	+22 24 10.9		327	1996 YO ₁	1996 12 18.83547	08 33 02.25	+18 04 27.7	19.1 327
1996 XU ₃₃	1996 12 10.75848	07 32 12.12	+22 24 13.0	18.9	327	1996 YO ₁	1996 12 18.84847	08 33 02.00	+18 04 28.2	19.1 327
1996 XU ₃₃	1996 12 10.76808	07 32 11.63	+22 24 16.6		327	1996 YO ₁	1996 12 22.80322	08 31 06.00	+18 08 02.2	18.5 327
1996 XU ₃₃	1996 12 10.77752	07 32 11.25	+22 24 19.0		327	1996 YO ₁	1996 12 22.81622	08 31 05.62	+18 08 03.2	327
1996 XU ₃₃	1996 12 10.78703	07 32 10.80	+22 24 22.6	18.7 V	327	1996 YO ₁	1996 12 22.82926	08 31 05.12	+18 08 04.1	327
1996 XU ₃₃	1996 12 18.72712	07 25 39.88	+23 05 49.3		327	1996 YO ₁	1997 01 02.81929	08 23 20.25	+18 25 39.7	327
1996 XU ₃₃	1996 12 18.74016	07 25 39.12	+23 05 53.6	18.7	327	1996 YO ₁	1997 01 02.83451	08 23 19.38	+18 25 41.8	18.5 327
1996 XU ₃₃	1996 12 18.75325	07 25 38.38	+23 05 58.2		327	1996 YO ₁	1997 01 02.84997	08 23 18.62	+18 25 43.7	327
1996 XU ₃₃	1996 12 19.63779	07 24 49.00	+23 10 44.7		327	1996 YO ₁	1997 01 11.70282	08 14 58.50	+18 46 03.2	327
1996 XU ₃₃	1996 12 19.66007	07 24 47.75	+23 10 52.1	18.6	327	1996 YO ₁	1997 01 11.71819	08 14 57.50	+18 46 05.7	17.4 327
1996 XU ₃₃	1996 12 19.68476	07 24 46.25	+23 11 00.1		327	1996 YO ₁	1997 01 11.73380	08 14 56.50	+18 46 07.8	327
1996 YJ ₁	* 1996 12 18.56973	04 57 03.38	+39 23 46.0		327	1996 YP ₁	* 1996 12 18.82679	08 38 59.88	+18 27 22.8	18.1 327
1996 YJ ₁	1996 12 18.57843	04 57 02.69	+39 23 46.7	16.5	327	1996 YP ₁	1996 12 18.83980	08 38 59.50	+18 27 24.0	18.1 327

1996 YP ₁	1996 12 18.89775	08 38 58.38	+18 27 28.6	18.0	327	1996 YV ₁	1996 12 24.81495	10 43 17.38	+08 41 40.7	18.7	327
1996 YP ₁	1996 12 22.79887	08 37 32.00	+18 33 40.3		327	1996 YV ₁	1996 12 24.82975	10 43 17.75	+08 41 37.8		327
1996 YP ₁	1996 12 22.81187	08 37 31.62	+18 33 40.6		327	1996 YW ₁	* 1996 12 20.49038	23 24 49.38	-03 42 47.8	17.9	327
1996 YP ₁	1996 12 22.82492	08 37 31.25	+18 33 41.8	17.8	327	1996 YW ₁	1996 12 20.50343	23 24 50.50	-03 42 37.6		327
1996 YQ ₁	* 1996 12 18.86184	09 49 55.62	+12 49 16.6		327	1996 YW ₁	1996 12 20.51653	23 24 51.75	-03 42 28.3		327
1996 YQ ₁	1996 12 18.87667	09 49 55.88	+12 49 19.5		327	1996 YW ₁	1996 12 20.53404	23 24 53.38	-03 42 14.5		327
1996 YQ ₁	1996 12 18.89337	09 49 56.25	+12 49 22.2	17.7	327	1996 YW ₁	1996 12 23.45256	23 29 27.25	-03 05 00.6		327
1996 YQ ₁	1996 12 21.88310	09 50 46.50	+12 59 30.8		327	1996 YW ₁	1996 12 23.46991	23 29 28.88	-03 04 47.8	17.6	327
1996 YQ ₁	1996 12 21.89611	09 50 46.75	+12 59 33.8		327	1996 YW ₁	1996 12 23.48626	23 29 30.50	-03 04 34.3		327
1996 YQ ₁	1996 12 21.90913	09 50 46.88	+12 59 36.8	17.9	327	1996 YX ₁	* 1996 12 20.55162	05 48 43.50	+23 29 39.8		327
1996 YQ ₁	1996 12 21.92213	09 50 47.00	+12 59 39.6		327	1996 YX ₁	1996 12 20.57222	05 48 42.00	+23 29 35.5	16.6	327
1996 YQ ₁	1996 12 25.82416	09 51 25.00	+13 16 02.2	17.2	327	1996 YX ₁	1996 12 20.58524	05 48 41.00	+23 29 32.8		327
1996 YQ ₁	1996 12 25.84021	09 51 25.12	+13 16 07.7		327	1996 YX ₁	1996 12 21.57400	05 47 30.88	+23 25 48.0	16.6	327
1996 YQ ₁	1996 12 25.85622	09 51 25.25	+13 16 11.2		327	1996 YX ₁	1996 12 21.58888	05 47 29.75	+23 25 45.6		327
1996 YR ₁	* 1996 12 18.86184	09 50 11.00	+13 22 09.2		327	1996 YX ₁	1996 12 21.60390	05 47 28.75	+23 25 42.0		327
1996 YR ₁	1996 12 18.87667	09 50 11.12	+13 22 05.6	18.9	327	1996 YY ₁	* 1996 12 20.71639	07 11 40.12	+22 36 24.0		327
1996 YR ₁	1996 12 18.89337	09 50 11.25	+13 22 01.7		327	1996 YY ₁	1996 12 20.72939	07 11 39.38	+22 36 26.8		327
1996 YR ₁	1996 12 21.88310	09 50 32.50	+13 10 58.6		327	1996 YY ₁	1996 12 20.74245	07 11 38.62	+22 36 30.2	17.8	327
1996 YR ₁	1996 12 21.89611	09 50 32.62	+13 10 55.3	19.1	327	1996 YY ₁	1996 12 22.69477	07 09 44.88	+22 43 57.2		327
1996 YR ₁	1996 12 21.90913	09 50 32.62	+13 10 52.8		327	1996 YY ₁	1996 12 22.71019	07 09 43.88	+22 44 00.0		327
1996 YR ₁	1996 12 21.92213	09 50 32.62	+13 10 50.1		327	1996 YY ₁	1996 12 22.72554	07 09 43.00	+22 44 03.0	17.6	327
1996 YS ₁	* 1996 12 19.76242	08 42 05.62	+19 11 28.3		327	1996 YY ₁	1997 01 02.75209	06 58 15.25	+23 25 11.5	17.5	327
1996 YS ₁	1996 12 19.77546	08 42 05.12	+19 11 26.6		327	1996 YY ₁	1997 01 02.76780	06 58 14.12	+23 25 14.5		327
1996 YS ₁	1996 12 19.78854	08 42 04.75	+19 11 24.2	18.8	327	1996 YY ₁	1997 01 02.78339	06 58 13.12	+23 25 17.7		327
1996 YS ₁	1996 12 22.79454	08 40 25.88	+19 03 53.0		327	1996 YY ₁	1997 01 04.58381	06 56 18.88	+23 31 38.3		327
1996 YS ₁	1996 12 22.80755	08 40 25.38	+19 03 51.5		327	1996 YY ₁	1997 01 04.59891	06 56 18.00	+23 31 41.2		327
1996 YS ₁	1996 12 22.82054	08 40 24.88	+19 03 50.1	18.8	327	1996 YY ₁	1997 01 04.61344	06 56 17.00	+23 31 45.1	17.4	327
1996 YT ₁	* 1996 12 19.76242	08 42 15.62	+19 04 06.5		327	1996 YZ ₁	* 1996 12 20.74916	08 16 35.75	+19 22 58.8		327
1996 YT ₁	1996 12 19.77546	08 42 15.12	+19 04 04.5	17.4	327	1996 YZ ₁	1996 12 20.76216	08 16 35.38	+19 22 56.3	17.7	327
1996 YT ₁	1996 12 19.78854	08 42 14.62	+19 04 02.2		327	1996 YZ ₁	1996 12 20.77616	08 16 34.88	+19 22 54.1		327
1996 YT ₁	1996 12 22.79454	08 40 19.38	+18 56 19.3		327	1996 YZ ₁	1996 12 22.75323	08 15 35.12	+19 16 56.7		327
1996 YT ₁	1996 12 22.80755	08 40 18.88	+18 56 17.3	17.4	327	1996 YZ ₁	1996 12 22.76765	08 15 34.62	+19 16 54.3	17.9	327
1996 YT ₁	1996 12 22.82054	08 40 18.38	+18 56 15.2		327	1996 YZ ₁	1996 12 22.78066	08 15 34.25	+19 16 52.6		327
1996 YT ₁	1996 12 24.67161	08 39 00.15	+18 51 44.4	17.2	327	1996 YA ₂	* 1996 12 20.75781	08 20 58.50	+18 58 33.6		327
1996 YT ₁	1996 12 24.68132	08 38 59.61	+18 51 42.9		327	1996 YA ₂	1996 12 20.77083	08 20 58.25	+18 58 39.7	16.2	327
1996 YT ₁	1996 12 24.69187	08 38 59.22	+18 51 41.4		327	1996 YA ₂	1996 12 20.78483	08 20 58.00	+18 58 46.5		327
1996 YT ₁	1997 01 02.82420	08 31 16.62	+18 31 43.3		327	1996 YA ₂	1996 12 22.74818	08 20 26.25	+19 14 51.7		327
1996 YT ₁	1997 01 02.83963	08 31 15.75	+18 31 41.2		327	1996 YA ₂	1996 12 22.76332	08 20 26.00	+19 14 59.3		327
1996 YT ₁	1997 01 02.85507	08 31 14.88	+18 31 39.5	17.2	327	1996 YA ₂	1996 12 22.77633	08 20 25.75	+19 15 05.2	16.0	327
1996 YU ₁	* 1996 12 19.76242	08 42 38.50	+18 44 16.1		327	1996 YA ₂	1997 01 02.79965	08 14 59.50	+20 59 38.7		327
1996 YU ₁	1996 12 19.77546	08 42 38.12	+18 44 21.1		327	1996 YA ₂	1997 01 02.80440	08 14 59.25	+20 59 41.8		327
1996 YU ₁	1996 12 19.78854	08 42 37.75	+18 44 26.6	17.6	327	1996 YA ₂	1997 01 02.80911	08 14 59.12	+20 59 44.6	16.0	327
1996 YU ₁	1996 12 22.79454	08 41 09.38	+19 05 25.7		327	1996 YB ₂	* 1996 12 22.50436	01 11 42.50	-05 26 37.7		327
1996 YU ₁	1996 12 22.80755	08 41 09.00	+19 05 31.7	17.6	327	1996 YB ₂	1996 12 22.51778	01 11 43.19	-05 26 32.0		327
1996 YU ₁	1996 12 22.82054	08 41 08.62	+19 05 37.0		327	1996 YB ₂	1996 12 22.53118	01 11 43.88	-05 26 26.2	16.0	327
1996 YU ₁	1996 12 24.67161	08 40 07.10	+19 19 07.6		327	1996 YB ₂	1996 12 23.45933	01 12 35.06	-05 19 58.3	16.2	327
1996 YU ₁	1996 12 24.68132	08 40 06.76	+19 19 10.5		327	1996 YB ₂	1996 12 23.47566	01 12 35.94	-05 19 51.6		327
1996 YU ₁	1996 12 24.69187	08 40 06.42	+19 19 16.1	17.3 V	327	1996 YB ₂	1996 12 23.49197	01 12 36.88	-05 19 44.7		327
1996 YV ₁	* 1996 12 19.85089	10 40 55.50	+08 58 08.3	19.0	327	1996 YB ₂	1997 01 09.43057	01 31 04.50	-03 02 01.6		327
1996 YV ₁	1996 12 19.86425	10 40 55.88	+08 58 05.2		327	1996 YB ₂	1997 01 09.43514	01 31 04.81	-03 01 58.6		327
1996 YV ₁	1996 12 19.87726	10 40 56.38	+08 58 02.8		327	1996 YB ₂	1997 01 09.43986	01 31 05.12	-03 01 56.6	16.4	327
1996 YV ₁	1996 12 24.79957	10 43 17.00	+08 41 43.3		327	1996 YB ₂	1997 01 09.44455	01 31 05.50	-03 01 53.8		327

1996 YC ₂	* 1996 12 22.54021	01 04 32.06	+16 14 07.7	17.6	327	1996 YH ₂	1996 12 23.83255	10 42 54.75	+14 40 41.2	17.5	327
1996 YC ₂	1996 12 22.56197	01 04 33.50	+16 14 09.1		327	1996 YH ₂	1996 12 23.84700	10 42 55.12	+14 40 42.1		327
1996 YC ₂	1996 12 22.57063	01 04 34.00	+16 14 10.0		327	1996 YH ₂	1996 12 24.78972	10 43 14.62	+14 41 25.1		327
1996 YC ₂	1996 12 23.50265	01 05 37.62	+16 15 28.6		327	1996 YH ₂	1996 12 24.80428	10 43 14.88	+14 41 25.5	17.7	327
1996 YC ₂	1996 12 23.51329	01 05 38.38	+16 15 29.5		327	1996 YH ₂	1996 12 24.81986	10 43 15.12	+14 41 26.7		327
1996 YC ₂	1996 12 23.52391	01 05 39.06	+16 15 29.7	17.7	327	1996 YJ ₂	* 1996 12 24.70203	09 13 16.25	+17 10 42.7		327
1996 YC ₂	1997 01 05.43291	01 22 17.25	+16 47 19.1		327	1996 YJ ₂	1996 12 24.71718	09 13 16.12	+17 10 48.3	16.5	327
1996 YC ₂	1997 01 05.43725	01 22 17.56	+16 47 19.5		327	1996 YJ ₂	1996 12 24.73257	09 13 16.00	+17 10 54.3		327
1996 YC ₂	1997 01 05.44157	01 22 17.88	+16 47 20.2	17.8	327	1996 YJ ₂	1996 12 25.72920	09 13 09.25	+17 17 36.0		327
1996 YC ₂	1997 01 09.45564	01 28 08.56	+17 01 48.5		327	1996 YJ ₂	1996 12 25.74498	09 13 09.12	+17 17 41.6	16.6	327
1996 YC ₂	1997 01 09.46591	01 28 09.56	+17 01 51.6	17.4	327	1996 YJ ₂	1996 12 25.76093	09 13 08.88	+17 17 48.7		327
1996 YC ₂	1997 01 09.47660	01 28 10.44	+17 01 53.2		327	1996 YJ ₂	1997 01 04.82470	09 10 16.12	+18 35 31.5		327
1996 YD ₂	* 1996 12 22.63240	07 09 21.25	+41 21 41.1		327	1996 YJ ₂	1997 01 04.84074	09 10 15.62	+18 35 39.7		327
1996 YD ₂	1996 12 22.64106	07 09 20.75	+41 21 42.7	16.6	327	1996 YJ ₂	1997 01 04.85476	09 10 15.25	+18 35 47.0	16.1	327
1996 YD ₂	1996 12 22.64976	07 09 20.12	+41 21 44.5		327	1996 YJ ₂	1997 01 08.80661	09 08 18.38	+19 10 43.0		327
1996 YD ₂	1996 12 23.65685	07 08 17.50	+41 24 35.8		327	1996 YJ ₂	1997 01 08.82272	09 08 17.88	+19 10 51.7	16.3	327
1996 YD ₂	1996 12 23.67188	07 08 16.50	+41 24 38.5	16.5	327	1996 YJ ₂	1997 01 08.83771	09 08 17.25	+19 10 59.6		327
1996 YD ₂	1996 12 23.68692	07 08 15.62	+41 24 40.7		327	1996 YK ₂	* 1996 12 24.70718	09 13 58.62	+29 39 10.5		327
1996 YD ₂	1997 01 08.59581	06 50 34.38	+41 41 42.3		327	1996 YK ₂	1996 12 24.72230	09 13 58.50	+29 39 14.7		327
1996 YD ₂	1997 01 08.60550	06 50 33.75	+41 41 41.8		327	1996 YK ₂	1996 12 24.73771	09 13 58.25	+29 39 18.7	17.0	327
1996 YD ₂	1997 01 08.61527	06 50 33.00	+41 41 41.6	16.4	327	1996 YK ₂	1996 12 25.71828	09 13 47.62	+29 43 45.5		327
1996 YE ₂	* 1996 12 22.79454	08 40 33.12	+19 15 34.8	17.4	327	1996 YK ₂	1996 12 25.73421	09 13 47.25	+29 43 50.1	17.0	327
1996 YE ₂	1996 12 22.80755	08 40 32.75	+19 15 34.3		327	1996 YK ₂	1996 12 25.75009	09 13 47.12	+29 43 54.2		327
1996 YE ₂	1996 12 22.82054	08 40 32.25	+19 15 33.5		327	1996 YE ₃	* 1996 12 20.66854	06 25 55.88	+23 18 35.7	16.4	327
1996 YE ₂	1996 12 24.67161	08 39 30.02	+19 14 50.0	17.5 V	327	1996 YE ₃	1996 12 20.68167	06 25 55.25	+23 18 39.6		327
1996 YE ₂	1996 12 24.68132	08 39 29.65	+19 14 50.1		327	1996 YE ₃	1996 12 20.69469	06 25 54.50	+23 18 45.6		327
1996 YE ₂	1996 12 24.69187	08 39 29.25	+19 14 48.6		327	1996 YE ₃	1996 12 26.72188	06 20 02.00	+23 53 34.7		327
1996 YE ₂	1997 01 02.81417	08 32 40.75	+19 15 21.7		327	1996 YE ₃	1996 12 26.73620	06 20 01.12	+23 53 40.1		327
1996 YE ₂	1997 01 02.82946	08 32 39.88	+19 15 21.7	17.0	327	1996 YE ₃	1996 12 26.75075	06 20 00.25	+23 53 44.5	16.5	327
1996 YE ₂	1997 01 02.84491	08 32 39.12	+19 15 22.1		327	1996 YF ₃	1996 12 10.57109	03 06 53.62	+33 11 21.8	17.2	327
1996 YE ₂	1997 01 11.70811	08 23 52.38	+19 20 30.7	16.6	327	1996 YF ₃	1996 12 10.59131	03 06 52.94	+33 11 08.5		327
1996 YE ₂	1997 01 11.72362	08 23 51.38	+19 20 31.3		327	1996 YF ₃	1996 12 10.61098	03 06 52.19	+33 10 55.2		327
1996 YE ₂	1997 01 11.73911	08 23 50.38	+19 20 32.1		327	1996 YF ₃	1996 12 17.51399	03 03 45.88	+31 55 45.0		327
1996 YF ₂	* 1996 12 22.79887	08 35 30.12	+17 57 28.1		327	1996 YF ₃	1996 12 17.51865	03 03 45.81	+31 55 41.8		327
1996 YF ₂	1996 12 22.81187	08 35 29.62	+17 57 28.0		327	1996 YF ₃	1996 12 17.53597	03 03 45.44	+31 55 30.6		327
1996 YF ₂	1996 12 22.82492	08 35 29.00	+17 57 28.2	17.4	327	1996 YF ₃	1996 12 17.55447	03 03 45.06	+31 55 19.2	17.7	327
1996 YF ₂	1996 12 24.66678	08 34 11.25	+17 58 27.0		327	1996 YF ₃	* 1996 12 24.54534	03 02 17.94	+30 43 18.2		327
1996 YF ₂	1996 12 24.67656	08 34 10.75	+17 58 27.5	17.6	327	1996 YF ₃	1996 12 24.56257	03 02 17.81	+30 43 07.6	17.9	327
1996 YF ₂	1996 12 24.68670	08 34 10.25	+17 58 27.8		327	1996 YF ₃	1996 12 24.57928	03 02 17.75	+30 42 56.7		327
1996 YF ₂	1997 01 08.76117	08 20 32.38	+18 15 09.7		327	1996 YF ₃	1996 12 27.51816	03 02 11.56	+30 14 31.2	17.5	327
1996 YF ₂	1997 01 08.77649	08 20 31.38	+18 15 11.2		327	1996 YF ₃	1996 12 27.53323	03 02 11.56	+30 14 22.8		327
1996 YF ₂	1997 01 08.79175	08 20 30.50	+18 15 12.7	16.7	327	1996 YF ₃	1996 12 27.54856	03 02 11.56	+30 14 14.2		327
1996 YG ₂	* 1996 12 23.50802	01 50 19.25	+18 44 46.2		327	1996 YG ₃	* 1996 12 24.54534	03 02 33.00	+30 45 10.0		327
1996 YG ₂	1996 12 23.51860	01 50 19.44	+18 44 47.7	18.0	327	1996 YG ₃	1996 12 24.56257	03 02 32.62	+30 45 05.3	17.7	327
1996 YG ₂	1996 12 23.52920	01 50 19.62	+18 44 48.1		327	1996 YG ₃	1996 12 24.57928	03 02 32.31	+30 45 00.8		327
1996 YG ₂	1996 12 24.50470	01 50 40.00	+18 46 01.0		327	1996 YG ₃	1996 12 27.51816	03 01 40.88	+30 31 58.5		327
1996 YG ₂	1996 12 24.51968	01 50 40.31	+18 46 02.2		327	1996 YG ₃	1996 12 27.53323	03 01 40.62	+30 31 54.7		327
1996 YG ₂	1996 12 24.53478	01 50 40.56	+18 46 03.5	17.8	327	1996 YG ₃	1996 12 27.54856	03 01 40.38	+30 31 50.7	17.3	327
1996 YG ₂	1997 01 09.45034	02 00 07.38	+19 23 01.0		327	1996 YH ₃	* 1996 12 25.56109	02 09 19.81	+06 42 27.1	17.3	327
1996 YG ₂	1997 01 09.46081	02 00 07.88	+19 23 03.2		327	1996 YH ₃	1996 12 25.57541	02 09 19.75	+06 42 31.5		327
1996 YG ₂	1997 01 09.47137	02 00 08.38	+19 23 05.2	18.3	327	1996 YH ₃	1996 12 25.58986	02 09 19.75	+06 42 36.2		327
1996 YH ₂	* 1996 12 23.81828	10 42 54.50	+14 40 40.7		327	1996 YH ₃	1996 12 26.55872	02 09 18.38	+06 48 05.8		327

1996 YH ₃	1996 12 26.56874	02 09 18.31	+06 48 09.5	17.3	327	1997 AE ₂	1996 12 19.81133	09 22 04.75	+15 18 23.1		327
1996 YH ₃	1996 12 26.57880	02 09 18.31	+06 48 13.1		327	1997 AE ₂	1996 12 19.82437	09 22 04.50	+15 18 22.5		327
1996 YH ₃	1997 01 10.42171	02 11 26.88	+08 20 31.7		327	1997 AE ₂	1996 12 19.83742	09 22 04.25	+15 18 21.2	19.3	327
1996 YH ₃	1997 01 10.43244	02 11 27.00	+08 20 36.2		327	1997 AE ₂	1996 12 20.80331	09 21 48.38	+15 17 21.7		327
1996 YH ₃	1997 01 10.44328	02 11 27.19	+08 20 40.2	17.3	327	1997 AE ₂	1996 12 20.81638	09 21 48.12	+15 17 21.0	18.9	327
1996 YH ₃	1997 01 10.45406	02 11 27.38	+08 20 44.5		327	1997 AE ₂	1996 12 20.82940	09 21 47.88	+15 17 20.1		327
1996 YK ₃	* 1996 12 16.62954	04 00 13.38	+40 04 51.7		327	1997 AE ₂	1997 01 01.88388	09 16 38.38	+15 11 46.0		327
1996 YK ₃	1996 12 16.64448	04 00 12.69	+40 04 44.3	17.8	327	1997 AE ₂	1997 01 01.89584	09 16 38.00	+15 11 45.3		327
1996 YK ₃	1996 12 16.64944	04 00 12.44	+40 04 42.1		327	1997 AE ₂	1997 01 01.90706	09 16 37.62	+15 11 45.6	18.6	327
1996 YK ₃	1996 12 16.65936	04 00 12.00	+40 04 38.0		327	1997 AJ ₂	1996 12 02.81903	09 14 08.00	+16 33 59.7		327
1996 YK ₃	1996 12 18.50389	03 58 59.75	+39 49 42.7		327	1997 AJ ₂	1996 12 02.83381	09 14 08.50	+16 33 59.2		327
1996 YK ₃	1996 12 18.52554	03 58 58.88	+39 49 32.3	18.3	327	1997 AJ ₂	1996 12 02.84863	09 14 09.00	+16 33 59.5	17.9	327
1996 YK ₃	1996 12 18.54720	03 58 58.00	+39 49 21.6		327	1997 AG ₃	1996 12 20.74916	08 15 42.25	+19 51 04.2		327
1996 YL ₃	* 1996 12 18.73146	07 28 39.88	+25 43 06.2		327	1997 AG ₃	1996 12 20.76216	08 15 41.88	+19 51 06.2	18.2	327
1996 YL ₃	1996 12 18.74451	07 28 39.12	+25 43 05.1	17.1	327	1997 AG ₃	1996 12 20.77616	08 15 41.38	+19 51 08.2		327
1996 YL ₃	1996 12 18.75760	07 28 38.38	+25 43 03.7		327	1997 AL ₃	1996 12 20.75781	08 23 11.38	+19 10 22.7	19.2	327
1996 YL ₃	1996 12 23.70728	07 23 55.38	+25 34 46.5		327	1997 AL ₃	1996 12 20.77083	08 23 10.88	+19 10 25.7		327
1996 YL ₃	1996 12 23.72701	07 23 54.12	+25 34 44.8		327	1997 AL ₃	1996 12 20.78483	08 23 10.50	+19 10 30.7		327
1996 YL ₃	1996 12 23.74641	07 23 52.88	+25 34 42.1	16.7	327	1997 AM ₃	1996 12 20.75781	08 23 26.38	+19 20 14.7		327
1996 YM ₃	* 1996 12 19.81133	09 21 50.75	+15 13 18.5		327	1997 AM ₃	1996 12 20.77083	08 23 26.00	+19 20 18.7	18.7	327
1996 YM ₃	1996 12 19.82437	09 21 50.62	+15 13 18.3		327	1997 AM ₃	1996 12 20.78483	08 23 25.50	+19 20 22.1		327
1996 YM ₃	1996 12 19.83742	09 21 50.38	+15 13 19.5	19.2	327	1997 AO ₄	1996 12 19.80265	09 28 29.25	+14 52 47.2		327
1996 YM ₃	1996 12 20.80331	09 21 35.38	+15 13 41.2	19.0	327	1997 AO ₄	1996 12 19.81569	09 28 29.12	+14 52 49.0	18.2	327
1996 YM ₃	1996 12 20.81638	09 21 35.12	+15 13 40.8		327	1997 AO ₄	1996 12 19.82877	09 28 29.00	+14 52 50.8		327
1996 YM ₃	1996 12 20.82940	09 21 34.88	+15 13 41.6		327	1997 AT ₄	1996 12 20.79465	09 11 36.88	+16 29 29.6		327
1996 YN ₃	* 1996 12 20.74916	08 14 07.50	+19 56 42.1		327	1997 AT ₄	1996 12 20.80772	09 11 36.62	+16 29 29.2	18.1	327
1996 YN ₃	1996 12 20.76216	08 14 07.00	+19 56 44.5		327	1997 AT ₄	1996 12 20.82072	09 11 36.38	+16 29 28.7		327
1996 YN ₃	1996 12 20.77616	08 14 06.38	+19 56 47.2	17.3	327	1997 AH ₅	1996 12 19.85089	10 40 13.75	+09 30 24.5		327
1996 YN ₃	1996 12 22.75792	08 12 43.12	+20 03 16.2		327	1997 AH ₅	1996 12 19.86425	10 40 14.38	+09 30 20.6	19.1	327
1996 YN ₃	1996 12 22.77200	08 12 42.50	+20 03 18.7	17.8	327	1997 AH ₅	1996 12 19.87726	10 40 14.88	+09 30 16.8		327
1996 YN ₃	1996 12 22.78501	08 12 42.00	+20 03 21.3		327	1997 AV ₅	* 1997 01 01.87630	09 11 18.25	+16 36 17.5		327
1996 YQ ₃	1996 12 19.56654	04 59 02.19	+22 18 59.7		327	1997 AV ₅	1997 01 01.88962	09 11 17.75	+16 36 17.7		327
1996 YQ ₃	1996 12 19.60127	04 58 59.88	+22 19 01.3		327	1997 AV ₅	1997 01 01.90148	09 11 17.38	+16 36 18.2	17.6	327
1996 YQ ₃	1996 12 19.61869	04 58 58.81	+22 19 02.6	18.1	327	1997 AV ₅	1997 01 04.81826	09 09 33.75	+16 38 40.6		327
1996 YQ ₃	1996 12 29.55869	04 49 46.81	+22 26 11.0		327	1997 AV ₅	1997 01 04.83505	09 09 33.00	+16 38 40.7	18.2	327
1996 YQ ₃	1996 12 29.57317	04 49 46.06	+22 26 12.0		327	1997 AV ₅	1997 01 04.85007	09 09 32.50	+16 38 42.0		327
1996 YQ ₃	1996 12 29.58773	04 49 45.38	+22 26 10.7	17.4	327	1997 AW ₅	* 1997 01 01.87630	09 11 26.75	+16 50 21.6		327
1996 YR ₃	* 1996 12 27.52307	03 17 07.31	+22 09 46.7		327	1997 AW ₅	1997 01 01.88962	09 11 26.38	+16 50 23.7		327
1996 YR ₃	1996 12 27.53839	03 17 07.25	+22 09 43.1	18.3	327	1997 AW ₅	1997 01 01.90148	09 11 26.00	+16 50 26.2	17.6	327
1996 YR ₃	1996 12 27.55362	03 17 07.19	+22 09 39.2		327	1997 AW ₅	1997 01 04.81826	09 10 02.50	+16 59 24.0		327
1996 YR ₃	1997 01 02.50865	03 17 50.62	+21 47 00.5		327	1997 AW ₅	1997 01 04.83505	09 10 02.00	+16 59 26.7		327
1996 YR ₃	1997 01 02.52422	03 17 50.81	+21 46 56.8		327	1997 AW ₅	1997 01 04.85007	09 10 01.50	+16 59 30.2	17.5	327
1996 YR ₃	1997 01 02.53951	03 17 51.00	+21 46 53.2	18.6	327	1997 AW ₅	1997 01 08.81235	09 07 49.88	+17 12 57.2		327
1997 AA	1996 12 28.82573	07 04 50.88	+23 25 20.7		327	1997 AW ₅	1997 01 08.82762	09 07 49.38	+17 13 00.1		327
1997 AA	1996 12 28.83549	07 04 50.25	+23 25 21.7	17.2	327	1997 AW ₅	1997 01 08.84269	09 07 48.75	+17 13 03.2	17.6	327
1997 AA	1996 12 28.84515	07 04 49.75	+23 25 23.6		327	1997 AW ₅	1997 01 08.85317	09 07 48.38	+17 13 05.5		327
1997 AA	1997 01 08.64991	06 54 27.38	+23 52 01.8		327	1997 AX ₅	* 1997 01 01.88388	09 19 49.25	+15 27 01.2		327
1997 AA	1997 01 08.65987	06 54 26.75	+23 52 03.2		327	1997 AX ₅	1997 01 01.89584	09 19 48.75	+15 26 59.7		327
1997 AA	1997 01 08.66962	06 54 26.25	+23 52 04.7	16.6	327	1997 AX ₅	1997 01 01.90706	09 19 48.38	+15 26 58.7	17.8	327
1997 AB	1997 01 02.75209	06 58 33.25	+23 52 23.7		327	1997 AX ₅	1997 01 04.82980	09 17 54.50	+15 24 24.5		327
1997 AB	1997 01 02.76780	06 58 32.25	+23 52 28.6		327	1997 AX ₅	1997 01 04.84554	09 17 53.88	+15 24 23.0	18.0	327
1997 AB	1997 01 02.78339	06 58 31.38	+23 52 33.5	18.8	327	1997 AX ₅	1997 01 04.85948	09 17 53.25	+15 24 23.2		327

1997 AY ₅	1996 11 01.74010	03 59 55.20	+27 39 25.2		327	1997 AB ₆	1997 01 09.48706	03 15 37.12	+21 26 10.2		327
1997 AY ₅	1996 11 01.76203	03 59 54.17	+27 39 21.5		327	1997 AB ₆	1997 01 09.50196	03 15 37.31	+21 26 08.3		327
1997 AY ₅	1996 11 01.77069	03 59 53.73	+27 39 19.8		327	1997 AB ₆	1997 01 09.51697	03 15 37.56	+21 26 06.7	18.6	327
1997 AY ₅	1996 11 01.78417	03 59 53.08	+27 39 17.6	18.4 V	327	1997 AC ₆	* 1997 01 02.76292	07 11 21.50	+25 14 53.2	18.5	327
1997 AY ₅	* 1997 01 02.50865	03 16 55.12	+22 04 02.5		327	1997 AC ₆	1997 01 02.77854	07 11 20.75	+25 14 56.3		327
1997 AY ₅	1997 01 02.52422	03 16 55.19	+22 03 58.7	18.4	327	1997 AC ₆	1997 01 02.79409	07 11 19.75	+25 14 57.5		327
1997 AY ₅	1997 01 02.53951	03 16 55.19	+22 03 55.0		327	1997 AC ₆	1997 01 04.58859	07 09 35.00	+25 19 18.2		327
1997 AY ₅	1997 01 05.54819	03 17 16.00	+21 52 30.7		327	1997 AC ₆	1997 01 04.60368	07 09 34.12	+25 19 21.3		327
1997 AY ₅	1997 01 05.56853	03 17 16.19	+21 52 26.6		327	1997 AC ₆	1997 01 04.61806	07 09 33.25	+25 19 22.8	18.2	327
1997 AY ₅	1997 01 05.58940	03 17 16.31	+21 52 22.3	18.3	327	1997 AM ₆	* 1997 01 04.58381	06 56 48.75	+23 18 47.8		327
1997 AY ₅	1997 01 10.47777	03 18 30.19	+21 36 49.2	18.9	327	1997 AM ₆	1997 01 04.59891	06 56 47.62	+23 18 54.1	17.6	327
1997 AY ₅	1997 01 10.49266	03 18 30.50	+21 36 46.5		327	1997 AM ₆	1997 01 04.61344	06 56 46.62	+23 18 59.5		327
1997 AY ₅	1997 01 10.50756	03 18 30.75	+21 36 44.0		327	1997 AM ₆	1997 01 08.64991	06 52 12.62	+23 43 59.3		327
1997 AY ₅	1997 01 14.47097	03 20 05.69	+21 26 47.8		327	1997 AM ₆	1997 01 08.65987	06 52 11.88	+23 44 03.2	17.1	327
1997 AY ₅	1997 01 14.48641	03 20 06.06	+21 26 45.8	18.4	327	1997 AM ₆	1997 01 08.66962	06 52 11.25	+23 44 06.3		327
1997 AY ₅	1997 01 14.50187	03 20 06.50	+21 26 44.6		327	1997 AN ₆	* 1997 01 04.59385	07 02 31.00	+24 30 30.2		327
1997 AZ ₅	1996 12 27.52307	03 19 33.88	+22 14 46.7		327	1997 AN ₆	1997 01 04.60836	07 02 30.12	+24 30 30.2		327
1997 AZ ₅	1996 12 27.53839	03 19 33.75	+22 14 42.2		327	1997 AN ₆	1997 01 04.62271	07 02 29.25	+24 30 30.7	18.1	327
1997 AZ ₅	1996 12 27.55362	03 19 33.56	+22 14 36.8	17.4	327	1997 AN ₆	1997 01 08.65477	06 58 47.62	+24 31 22.8		327
1997 AZ ₅	* 1997 01 02.50865	03 19 33.62	+21 46 49.1		327	1997 AN ₆	1997 01 08.66470	06 58 47.00	+24 31 23.1		327
1997 AZ ₅	1997 01 02.52422	03 19 33.75	+21 46 45.2	18.1	327	1997 AN ₆	1997 01 08.67531	06 58 46.50	+24 31 23.2	17.6	327
1997 AZ ₅	1997 01 02.53951	03 19 33.75	+21 46 41.2		327	1997 AO ₆	1996 12 28.83058	07 08 57.25	+24 04 32.7		327
1997 AZ ₅	1997 01 05.54819	03 20 03.88	+21 34 56.2		327	1997 AO ₆	1996 12 28.84030	07 08 56.62	+24 04 35.1		327
1997 AZ ₅	1997 01 05.56853	03 20 04.12	+21 34 51.1	18.1	327	1997 AO ₆	1996 12 28.84993	07 08 55.88	+24 04 38.3	17.7	327
1997 AZ ₅	1997 01 05.58940	03 20 04.38	+21 34 46.2		327	1997 AP ₇	* 1997 01 05.43291	01 22 47.88	+16 59 08.8		327
1997 AZ ₅	1997 01 14.48112	03 23 27.25	+21 08 58.7	18.5	327	1997 AP ₇	1997 01 05.43725	01 22 48.06	+16 59 08.7		327
1997 AZ ₅	1997 01 14.49659	03 23 27.75	+21 08 56.2		327	1997 AP ₇	1997 01 05.44157	01 22 48.25	+16 59 08.3	17.6	327
1997 AZ ₅	1997 01 14.51267	03 23 28.25	+21 08 54.2		327	1997 AP ₇	1997 01 09.45564	01 26 04.62	+16 55 50.7		327
1997 AZ ₅	1997 01 15.48677	03 24 00.38	+21 06 51.7		327	1997 AP ₇	1997 01 09.46591	01 26 05.06	+16 55 50.3	17.6	327
1997 AZ ₅	1997 01 15.50119	03 24 00.81	+21 06 49.7		327	1997 AP ₇	1997 01 09.47660	01 26 05.62	+16 55 49.7		327
1997 AZ ₅	1997 01 15.51560	03 24 01.25	+21 06 48.2	18.7	327	1997 AQ ₇	* 1997 01 05.54324	03 15 11.38	+21 04 57.7		327
1997 AA ₆	* 1997 01 02.51389	03 12 53.06	+21 43 29.5	18.5	327	1997 AQ ₇	1997 01 05.56352	03 15 11.75	+21 04 57.1		327
1997 AA ₆	1997 01 02.52924	03 12 53.31	+21 43 23.2		327	1997 AQ ₇	1997 01 05.58431	03 15 12.12	+21 04 56.2	18.3	327
1997 AA ₆	1997 01 02.54466	03 12 53.44	+21 43 18.2		327	1997 AQ ₇	1997 01 09.48706	03 16 46.31	+21 04 06.2		327
1997 AA ₆	1997 01 05.54324	03 13 41.50	+21 25 06.7		327	1997 AQ ₇	1997 01 09.50196	03 16 46.62	+21 04 07.2	18.5	327
1997 AA ₆	1997 01 05.56352	03 13 41.81	+21 25 00.0		327	1997 AQ ₇	1997 01 09.51697	03 16 47.06	+21 04 06.8		327
1997 AA ₆	1997 01 05.58431	03 13 42.19	+21 24 52.7	18.7	327	1997 AR ₇	1996 12 17.47498	03 21 31.06	+22 19 40.1		327
1997 AA ₆	1997 01 14.47578	03 17 40.38	+20 41 10.2		327	1997 AR ₇	1996 12 17.49231	03 21 30.44	+22 19 37.5		327
1997 AA ₆	1997 01 14.49131	03 17 40.94	+20 41 06.7	19.2	327	1997 AR ₇	1996 12 17.50965	03 21 29.88	+22 19 33.6	17.1	327
1997 AA ₆	1997 01 14.50705	03 17 41.44	+20 41 03.1		327	1997 AR ₇	1996 12 27.52307	03 18 01.12	+21 54 55.2	17.2	327
1997 AB ₆	1996 12 27.61289	03 15 02.12	+22 00 50.1	17.5	327	1997 AR ₇	1996 12 27.53839	03 18 00.94	+21 54 53.0		327
1997 AB ₆	1996 12 27.62943	03 15 01.88	+22 00 46.2		327	1997 AR ₇	1996 12 27.55362	03 18 00.75	+21 54 52.1		327
1997 AB ₆	1996 12 27.64492	03 15 01.69	+22 00 42.5		327	1997 AR ₇	* 1997 01 05.54819	03 18 10.38	+21 42 59.3	17.9	327
1997 AB ₆	* 1997 01 02.51389	03 14 33.31	+21 41 56.2		327	1997 AR ₇	1997 01 05.56853	03 18 10.56	+21 42 58.3		327
1997 AB ₆	1997 01 02.52924	03 14 33.31	+21 41 53.3		327	1997 AR ₇	1997 01 05.58940	03 18 10.75	+21 42 57.2		327
1997 AB ₆	1997 01 02.54466	03 14 33.31	+21 41 51.2	18.1	327	1997 AR ₇	1997 01 09.48191	03 19 12.62	+21 41 07.2		327
1997 AB ₆	1997 01 05.54324	03 14 48.06	+21 34 12.3		327	1997 AR ₇	1997 01 09.49698	03 19 12.88	+21 41 07.0		327
1997 AB ₆	1997 01 05.56352	03 14 48.25	+21 34 09.1		327	1997 AR ₇	1997 01 09.51192	03 19 13.25	+21 41 06.7	17.8	327
1997 AB ₆	1997 01 05.58431	03 14 48.31	+21 34 06.0	18.3	327	1997 AR ₇	1997 01 10.47777	03 19 33.88	+21 40 57.7		327
1997 AB ₆	1997 01 08.48347	03 15 21.50	+21 27 59.3	18.4	327	1997 AR ₇	1997 01 10.49266	03 19 34.19	+21 40 57.3		327
1997 AB ₆	1997 01 08.49891	03 15 21.69	+21 27 57.5		327	1997 AR ₇	1997 01 10.50756	03 19 34.50	+21 40 57.2	18.0	327
1997 AB ₆	1997 01 08.51424	03 15 21.94	+21 27 55.7		327	1997 AR ₇	1997 01 14.47097	03 21 20.56	+21 41 36.7	17.8	327

1997 AR ₇	1997 01 14.48641	03 21 21.00	+21 41 36.7		327	1997 AE ₁₄	1997 01 02.84997	08 25 16.62	+18 53 16.3		327
1997 AR ₇	1997 01 14.50187	03 21 21.44	+21 41 37.3		327	1997 AE ₁₄	1997 01 11.69786	08 17 50.38	+19 20 49.2	17.8	327
1997 AS ₇	* 1997 01 05.89833	12 44 38.38	+02 13 08.3		327	1997 AE ₁₄	1997 01 11.71343	08 17 49.50	+19 20 52.6		327
1997 AS ₇	1997 01 05.91220	12 44 39.25	+02 13 07.5	17.9	327	1997 AE ₁₄	1997 01 11.72894	08 17 48.75	+19 20 55.7		327
1997 AS ₇	1997 01 05.92622	12 44 40.12	+02 13 05.1		327	1997 AF ₁₄	* 1997 01 04.86885	09 48 09.12	+23 21 39.6		327
1997 AS ₇	1997 01 09.92267	12 48 41.70	+02 05 46.2		327	1997 AF ₁₄	1997 01 04.87755	09 48 09.00	+23 21 45.1	18.4	327
1997 AS ₇	1997 01 09.92744	12 48 41.97	+02 05 45.3	18.9	327	1997 AF ₁₄	1997 01 04.88642	09 48 08.88	+23 21 50.0		327
1997 AT ₇	* 1997 01 08.47858	03 10 25.44	+22 18 18.6		327	1997 AF ₁₄	1997 01 11.75472	09 45 16.62	+24 29 25.0		327
1997 AT ₇	1997 01 08.49400	03 10 25.62	+22 18 17.6		327	1997 AF ₁₄	1997 01 11.76948	09 45 16.12	+24 29 33.8	17.8	327
1997 AT ₇	1997 01 08.50946	03 10 25.81	+22 18 17.6	18.1	327	1997 AF ₁₄	1997 01 11.78780	09 45 15.50	+24 29 45.2		327
1997 AT ₇	1997 01 09.49206	03 10 41.81	+22 17 59.7		327	1997 AG ₁₄	* 1997 01 04.89652	12 32 09.00	+15 18 44.1		327
1997 AT ₇	1997 01 09.50692	03 10 42.00	+22 17 58.7		327	1997 AG ₁₄	1997 01 04.90951	12 32 09.50	+15 18 46.0	17.5	327
1997 AT ₇	1997 01 09.52194	03 10 42.25	+22 17 58.3	18.4	327	1997 AG ₁₄	1997 01 04.92256	12 32 10.12	+15 18 47.8		327
1997 AU ₇	* 1997 01 08.48884	03 16 56.44	+21 49 43.5		327	1997 AG ₁₄	1997 01 12.86779	12 37 15.38	+15 44 23.7		327
1997 AU ₇	1997 01 08.50429	03 16 56.94	+21 49 48.1		327	1997 AG ₁₄	1997 01 12.87823	12 37 15.75	+15 44 27.3	17.4	327
1997 AU ₇	1997 01 08.51956	03 16 57.50	+21 49 52.7	18.4	327	1997 AG ₁₄	1997 01 12.88881	12 37 16.00	+15 44 29.6		327
1997 AU ₇	1997 01 09.48191	03 17 32.88	+21 54 25.2		327	1997 AH ₁₄	1996 12 18.86184	09 50 18.25	+12 54 14.1	18.3	327
1997 AU ₇	1997 01 09.49698	03 17 33.38	+21 54 29.2		327	1997 AH ₁₄	1996 12 18.87667	09 50 18.38	+12 54 12.7		327
1997 AU ₇	1997 01 09.51192	03 17 33.94	+21 54 33.5	18.1	327	1997 AH ₁₄	1996 12 18.89337	09 50 18.50	+12 54 10.1		327
1997 AA ₁₁	* 1997 01 05.53858	03 12 30.25	+22 26 13.0		327	1997 AH ₁₄	* 1997 01 05.83728	09 47 08.25	+12 46 31.7		327
1997 AA ₁₁	1997 01 05.55839	03 12 30.81	+22 26 12.7		327	1997 AH ₁₄	1997 01 05.86796	09 47 07.25	+12 46 33.6	17.9	327
1997 AA ₁₁	1997 01 05.57880	03 12 31.38	+22 26 13.2	19.0	327	1997 AH ₁₄	1997 01 05.87687	09 47 06.88	+12 46 34.2		327
1997 AA ₁₁	1997 01 10.47299	03 15 19.25	+22 26 32.1		327	1997 AH ₁₄	1997 01 08.85970	09 45 27.74	+12 50 49.2	18.2 V	327
1997 AA ₁₁	1997 01 10.48781	03 15 19.88	+22 26 32.0		327	1997 AH ₁₄	1997 01 08.86981	09 45 27.40	+12 50 50.2		327
1997 AA ₁₁	1997 01 10.50266	03 15 20.38	+22 26 32.8	18.7	327	1997 AH ₁₄	1997 01 08.88010	09 45 26.98	+12 50 51.1		327
1997 AB ₁₁	* 1997 01 05.89324	12 44 30.62	+03 39 02.6		327	1997 AH ₁₄	1997 01 11.81233	09 43 32.25	+12 56 25.5	18.1	327
1997 AB ₁₁	1997 01 05.90766	12 44 31.38	+03 39 01.1		327	1997 AH ₁₄	1997 01 11.82861	09 43 31.50	+12 56 28.2		327
1997 AB ₁₁	1997 01 05.92156	12 44 32.25	+03 38 59.3	18.6	327	1997 AH ₁₄	1997 01 11.83988	09 43 31.00	+12 56 29.6		327
1997 AB ₁₁	1997 01 10.90965	12 49 06.50	+03 30 30.8		327	1997 AJ ₁₄	* 1997 01 09.53757	04 09 57.19	+20 27 12.2	17.4	327
1997 AB ₁₁	1997 01 10.91435	12 49 06.75	+03 30 30.3		327	1997 AJ ₁₄	1997 01 09.55253	04 09 56.94	+20 27 12.2		327
1997 AB ₁₁	1997 01 10.91909	12 49 07.00	+03 30 30.1	19.3	327	1997 AJ ₁₄	1997 01 09.56709	04 09 56.75	+20 27 12.7		327
1997 AB ₁₁	1997 01 10.92375	12 49 07.12	+03 30 29.6		327	1997 AJ ₁₄	1997 01 11.57938	04 09 33.38	+20 27 36.0	17.7	327
1997 AX ₁₃	1997 01 02.79965	08 15 54.50	+20 34 45.1	19.1	327	1997 AJ ₁₄	1997 01 11.60987	04 09 33.06	+20 27 36.2		327
1997 AX ₁₃	1997 01 02.80440	08 15 54.25	+20 34 45.8		327	1997 AJ ₁₄	1997 01 11.62508	04 09 32.88	+20 27 36.7		327
1997 AX ₁₃	1997 01 02.80911	08 15 54.00	+20 34 46.2		327	1997 AK ₁₄	* 1997 01 09.53757	04 10 46.44	+20 15 37.0		327
1997 AC ₁₄	* 1997 01 02.81929	08 22 29.00	+18 40 55.7		327	1997 AK ₁₄	1997 01 09.55253	04 10 46.19	+20 15 36.2		327
1997 AC ₁₄	1997 01 02.83451	08 22 28.38	+18 41 02.6		327	1997 AK ₁₄	1997 01 09.56709	04 10 45.94	+20 15 35.6	18.5	327
1997 AC ₁₄	1997 01 02.84997	08 22 27.62	+18 41 10.0	19.2	327	1997 AK ₁₄	1997 01 11.57938	04 10 13.31	+20 14 15.3		327
1997 AC ₁₄	1997 01 11.69786	08 15 25.62	+19 54 40.0		327	1997 AK ₁₄	1997 01 11.58455	04 10 13.25	+20 14 14.7		327
1997 AC ₁₄	1997 01 11.71343	08 15 24.75	+19 54 47.3	18.5	327	1997 AK ₁₄	1997 01 11.59458	04 10 13.12	+20 14 14.5		327
1997 AC ₁₄	1997 01 11.72894	08 15 23.88	+19 54 55.7		327	1997 AK ₁₄	1997 01 11.59977	04 10 13.00	+20 14 14.2	18.6	327
1997 AD ₁₄	* 1997 01 02.81929	08 23 39.25	+18 20 21.8		327	1997 AK ₁₄	1997 01 11.60987	04 10 12.81	+20 14 14.2	18.8	327
1997 AD ₁₄	1997 01 02.83451	08 23 38.38	+18 20 21.6		327	1997 AK ₁₄	1997 01 11.61505	04 10 12.75	+20 14 13.7		327
1997 AD ₁₄	1997 01 02.84997	08 23 37.50	+18 20 22.3	18.2	327	1997 AK ₁₄	1997 01 11.62508	04 10 12.56	+20 14 13.5		327
1997 AD ₁₄	1997 01 11.70282	08 15 33.25	+18 27 20.7		327	1997 AL ₁₄	* 1997 01 09.53757	04 13 15.94	+19 55 58.2		327
1997 AD ₁₄	1997 01 11.71819	08 15 32.25	+18 27 21.8	17.7	327	1997 AL ₁₄	1997 01 09.55253	04 13 15.56	+19 55 57.0	19.0	327
1997 AD ₁₄	1997 01 11.73380	08 15 31.38	+18 27 22.7		327	1997 AL ₁₄	1997 01 09.56709	04 13 15.19	+19 55 55.1		327
1997 AE ₁₄	1996 12 18.81910	08 34 40.38	+18 16 20.8	19.2	327	1997 AL ₁₄	1997 01 11.58455	04 12 34.75	+19 53 14.6		327
1997 AE ₁₄	1996 12 18.83547	08 34 40.00	+18 16 22.7	18.9	327	1997 AL ₁₄	1997 01 11.59977	04 12 34.50	+19 53 13.7		327
1997 AE ₁₄	1996 12 18.84847	08 34 39.50	+18 16 24.1	18.8	327	1997 AL ₁₄	1997 01 11.61505	04 12 34.19	+19 53 13.0	19.1	327
1997 AE ₁₄	* 1997 01 02.81929	08 25 18.12	+18 53 11.0		327	1997 AM ₁₄	* 1997 01 09.73499	09 15 48.88	+07 14 58.2		327
1997 AE ₁₄	1997 01 02.83451	08 25 17.38	+18 53 13.7	18.3	327	1997 AM ₁₄	1997 01 09.75216	09 15 48.00	+07 15 00.0	17.6	327

1997 AM ₁₄	1997 01 09.76927	09 15 47.25	+07 15 01.3		327	1997 AX ₂₁	* 1997 01 14.52319	03 16 38.75	+30 29 35.5	18.8	327
1997 AM ₁₄	1997 01 09.78650	09 15 46.50	+07 15 03.2		327	1997 AX ₂₁	1997 01 14.53919	03 16 38.94	+30 29 31.2		327
1997 AM ₁₄	1997 01 10.76653	09 15 04.75	+07 16 41.3	17.7	327	1997 AX ₂₁	1997 01 14.55434	03 16 39.06	+30 29 26.8		327
1997 AM ₁₄	1997 01 10.77530	09 15 04.38	+07 16 42.5		327	1997 AX ₂₁	1997 01 15.58015	03 16 55.00	+30 25 00.0		327
1997 AM ₁₄	1997 01 10.78434	09 15 03.88	+07 16 43.2		327	1997 AX ₂₁	1997 01 15.59012	03 16 55.06	+30 24 56.8		327
1997 AM ₁₄	1997 01 10.79323	09 15 03.50	+07 16 44.1		327	1997 AX ₂₁	1997 01 15.59984	03 16 55.25	+30 24 54.5	18.4	327
1997 AM ₁₄	1997 01 10.80262	09 15 03.12	+07 16 45.0		327	2607 P-L	1996 12 01.49759	22 56 39.08	-06 13 54.1		327
1997 AN ₁₄	* 1997 01 09.73499	09 17 40.12	+07 29 26.2		327	2607 P-L	1996 12 01.50200	22 56 39.36	-06 13 53.2		327
1997 AN ₁₄	1997 01 09.76927	09 17 38.88	+07 29 26.1	18.1	327	2607 P-L	1996 12 01.50633	22 56 39.61	-06 13 51.8	19.6 V	327
1997 AN ₁₄	1997 01 09.78650	09 17 38.25	+07 29 25.7		327	4095 P-L	1996 11 29.65971	02 05 18.94	+13 16 35.2		327
1997 AN ₁₄	1997 01 10.76653	09 17 01.38	+07 29 25.3		327	4095 P-L	1996 11 29.67706	02 05 18.49	+13 16 30.1	19.3 V	327
1997 AN ₁₄	1997 01 10.77530	09 17 01.12	+07 29 25.5		327	4095 P-L	1996 11 29.69443	02 05 18.08	+13 16 24.8		327
1997 AN ₁₄	1997 01 10.78434	09 17 00.75	+07 29 25.2	18.4	327	1220 T-1	1996 12 18.60287	06 36 56.00	+23 54 18.7	17.2	327
1997 AN ₁₄	1997 01 10.79323	09 17 00.38	+07 29 25.5		327	1220 T-1	1996 12 18.62020	06 36 54.88	+23 54 19.1		327
1997 AN ₁₄	1997 01 10.80262	09 17 00.00	+07 29 25.5		327	1220 T-1	1996 12 18.63780	06 36 53.88	+23 54 19.5		327
1997 AR ₂₁	* 1997 01 02.51897	03 04 57.81	+21 28 41.2	18.9 V	327	1274 T-2	1996 11 28.70566	03 24 22.23	+20 57 53.8	17.9 V	327
1997 AR ₂₁	1997 01 02.53425	03 04 58.24	+21 28 39.4		327	1274 T-2	1996 11 28.71872	03 24 21.58	+20 57 50.9		327
1997 AR ₂₁	1997 01 02.54964	03 04 58.58	+21 28 36.1		327	1274 T-2	1996 11 28.73605	03 24 20.56	+20 57 47.0		327
1997 AR ₂₁	1997 01 05.53375	03 06 30.12	+21 20 49.3		327	1274 T-2	1996 11 28.74039	03 24 20.30	+20 57 47.5		327
1997 AR ₂₁	1997 01 05.55322	03 06 30.69	+21 20 46.3	19.1	327	1355 T-2	1996 12 19.64263	07 24 54.25	+22 16 27.5		327
1997 AR ₂₁	1997 01 05.57360	03 06 31.38	+21 20 43.3		327	1355 T-2	1996 12 19.66444	07 24 53.25	+22 16 29.7	17.9	327
1997 AS ₂₁	* 1997 01 02.51897	03 05 26.11	+21 21 56.0		327	1355 T-2	1996 12 19.68910	07 24 52.12	+22 16 31.8		327
1997 AS ₂₁	1997 01 02.53425	03 05 26.58	+21 21 57.4	19.0 V	327	1355 T-2	1996 12 22.70472	07 22 34.75	+22 21 28.2		327
1997 AS ₂₁	1997 01 02.54964	03 05 27.09	+21 21 59.4		327	1355 T-2	1996 12 22.72036	07 22 33.88	+22 21 30.7	17.7	327
1997 AS ₂₁	1997 01 05.53375	03 07 17.25	+21 27 54.0		327	1355 T-2	1996 12 22.73525	07 22 33.25	+22 21 32.0		327
1997 AS ₂₁	1997 01 05.55322	03 07 18.00	+21 27 56.7	19.1	327	2249 T-2	1996 12 21.56369	05 31 31.88	+20 38 48.6		327
1997 AS ₂₁	1997 01 05.57360	03 07 18.75	+21 27 59.1		327	2249 T-2	1996 12 21.57896	05 31 31.00	+20 38 48.2		327
1997 AT ₂₁	* 1997 01 11.57938	04 09 32.38	+19 51 22.2		327	2249 T-2	1996 12 21.59387	05 31 30.25	+20 38 48.2	16.6	327
1997 AT ₂₁	1997 01 11.59458	04 09 32.06	+19 51 26.2	18.4	327	4076 T-2	1996 12 08.67645	03 35 43.41	+21 54 32.0		327
1997 AT ₂₁	1997 01 11.60987	04 09 31.75	+19 51 29.8		327	4076 T-2	1996 12 08.68947	03 35 42.69	+21 54 30.4		327
1997 AT ₂₁	1997 01 11.62508	04 09 31.38	+19 51 34.5		327	4076 T-2	1996 12 08.70247	03 35 41.90	+21 54 27.8	18.6 V	327
1997 AT ₂₁	1997 01 15.53836	04 08 25.25	+20 09 24.7		327	2480 T-3	1996 12 07.59997	03 29 54.60	+31 05 28.9		327
1997 AT ₂₁	1997 01 15.55387	04 08 25.00	+20 09 29.3	18.5	327	2480 T-3	1996 12 07.61542	03 29 53.66	+31 05 25.3		327
1997 AT ₂₁	1997 01 15.56936	04 08 24.81	+20 09 33.3		327	2480 T-3	1996 12 07.63086	03 29 52.71	+31 05 21.0	18.0 V	327
1997 AU ₂₁	* 1997 01 11.58978	04 03 36.50	+19 32 50.8	18.2	327	(24)	1996 12 02.81903	09 13 19.88	+17 04 16.6		327
1997 AU ₂₁	1997 01 11.60502	04 03 36.12	+19 32 57.0		327	(24)	1996 12 02.83381	09 13 20.12	+17 04 15.5		327
1997 AU ₂₁	1997 01 11.62017	04 03 35.75	+19 33 03.2		327	(24)	1996 12 02.84863	09 13 20.38	+17 04 14.7	12.1	327
1997 AU ₂₁	1997 01 15.53284	04 02 22.00	+19 59 43.5		327	(24)	1996 12 24.70203	09 14 15.75	+17 08 11.2		327
1997 AU ₂₁	1997 01 15.54894	04 02 21.75	+19 59 50.1		327	(24)	1996 12 24.71718	09 14 15.50	+17 08 12.5	11.5	327
1997 AU ₂₁	1997 01 15.56458	04 02 21.50	+19 59 56.2	18.2	327	(24)	1996 12 24.73257	09 14 15.25	+17 08 13.8		327
1997 AV ₂₁	* 1997 01 14.47578	03 19 56.31	+20 54 16.7		327	(24)	1996 12 25.72920	09 14 00.00	+17 09 42.6		327
1997 AV ₂₁	1997 01 14.49131	03 19 56.75	+20 54 18.1		327	(24)	1996 12 25.74498	09 13 59.75	+17 09 44.2	11.5	327
1997 AV ₂₁	1997 01 14.50705	03 19 57.12	+20 54 19.5	18.7	327	(24)	1996 12 25.76093	09 13 59.38	+17 09 45.7		327
1997 AV ₂₁	1997 01 15.48201	03 20 27.06	+20 56 01.2		327	(244)	1996 11 26.49848	22 45 23.15	-06 45 02.0	16.3 V	327
1997 AV ₂₁	1997 01 15.49638	03 20 27.44	+20 56 02.6		327	(244)	1996 11 26.50304	22 45 23.71	-06 45 00.0		327
1997 AV ₂₁	1997 01 15.51088	03 20 27.88	+20 56 04.3	18.8	327	(244)	1996 11 26.50778	22 45 23.90	-06 44 56.6		327
1997 AW ₂₁	* 1997 01 14.51833	03 05 58.69	+29 46 49.6	18.2	327	(244)	1996 11 26.51216	22 45 24.33	-06 44 54.3		327
1997 AW ₂₁	1997 01 14.53433	03 05 59.00	+29 46 47.0		327	(244)	1996 12 23.45256	23 29 11.62	-02 57 46.6		327
1997 AW ₂₁	1997 01 14.54937	03 05 59.31	+29 46 44.0		327	(244)	1996 12 23.46991	23 29 13.50	-02 57 36.1		327
1997 AW ₂₁	1997 01 15.57547	03 06 21.25	+29 43 51.2		327	(244)	1996 12 23.48626	23 29 15.25	-02 57 26.5	15.7	327
1997 AW ₂₁	1997 01 15.58517	03 06 21.44	+29 43 49.1	18.1	327	(278)	1996 12 23.77523	10 16 15.38	+21 14 42.2		327
1997 AW ₂₁	1997 01 15.59502	03 06 21.69	+29 43 47.2		327	(278)	1996 12 23.78962	10 16 15.62	+21 14 45.2	13.0	327

(278)	1996 12 23.80391	10 16 15.75	+21 14 48.3	327	(1289)	1996 12 20.50343	23 24 39.75	-03 43 53.8	327
(469)	1996 11 28.86338	11 42 24.73	+01 58 41.7	327	(1289)	1996 12 20.51653	23 24 40.50	-03 43 49.3	327
(469)	1996 11 28.87756	11 42 25.70	+01 58 32.9	14.6 V 327	(1289)	1996 12 20.53404	23 24 41.62	-03 43 43.1	16.0 327
(469)	1996 11 28.89058	11 42 26.56	+01 58 25.3	327	(1297)	1996 12 19.76676	08 46 06.12	+18 01 36.7	327
(469)	1996 11 28.90359	11 42 27.41	+01 58 17.2	327	(1297)	1996 12 19.77980	08 46 05.75	+18 01 36.0	15.3 327
(495)	1997 01 02.47616	01 13 38.56	+05 56 12.1	327	(1297)	1996 12 19.79287	08 46 05.38	+18 01 35.2	327
(495)	1997 01 02.48920	01 13 39.44	+05 56 17.5	327	(1302)	1996 11 27.59904	02 13 50.10	+10 32 32.1	14.5 V 327
(495)	1997 01 02.50221	01 13 40.25	+05 56 22.5	14.9 327	(1302)	1996 11 27.61204	02 13 49.67	+10 32 31.6	327
(662)	1996 12 25.81919	09 50 26.12	+12 46 50.8	327	(1302)	1996 11 27.62515	02 13 49.21	+10 32 30.2	327
(662)	1996 12 25.83517	09 50 25.88	+12 46 52.5	327	(1302)	1996 11 27.63817	02 13 48.78	+10 32 28.7	327
(662)	1996 12 25.85122	09 50 25.62	+12 46 54.7	15.4 327	(1385)	1996 12 19.76676	08 46 17.50	+18 03 01.2	327
(666)	1996 11 27.51405	01 18 32.08	+06 55 28.5	13.5 V 327	(1385)	1996 12 19.77980	08 46 17.25	+18 03 04.2	327
(666)	1996 11 27.52708	01 18 32.22	+06 55 25.8	327	(1385)	1996 12 19.79287	08 46 16.88	+18 03 07.2	14.8 327
(666)	1996 11 27.54009	01 18 32.36	+06 55 22.9	327	(1387)	1996 12 20.48605	23 21 39.50	-03 47 16.1	17.3 327
(717)	1997 01 02.86252	08 38 22.88	+20 08 17.7	327	(1387)	1996 12 20.49905	23 21 40.88	-03 47 09.1	327
(717)	1997 01 02.87103	08 38 22.50	+20 08 18.8	327	(1387)	1996 12 20.52737	23 21 44.00	-03 46 53.6	327
(717)	1997 01 02.87954	08 38 22.12	+20 08 20.1	15.5 327	(1435)	1996 12 12.49772	01 15 05.81	+04 34 26.8	327
(742)	1996 12 23.87516	11 27 52.25	+17 23 05.2	327	(1435)	1996 12 12.51786	01 15 06.19	+04 34 29.0	16.9 327
(742)	1996 12 23.89010	11 27 52.62	+17 23 06.8	15.4 327	(1435)	1996 12 12.53804	01 15 06.56	+04 34 30.6	327
(742)	1996 12 23.90558	11 27 53.00	+17 23 08.7	327	(1534)	1997 01 02.46749	01 24 45.94	+05 28 13.7	327
(742)	1996 12 25.86714	11 28 33.38	+17 27 14.2	327	(1534)	1997 01 02.48050	01 24 46.50	+05 28 21.0	16.1 327
(742)	1996 12 25.88330	11 28 33.75	+17 27 16.5	15.3 327	(1534)	1997 01 02.49355	01 24 47.00	+05 28 28.5	327
(742)	1996 12 25.89890	11 28 34.00	+17 27 18.6	327	(1534)	1997 01 06.43646	01 27 41.25	+06 06 22.1	16.2 327
(897)	1996 12 25.67095	04 09 20.75	+22 18 48.2	327	(1534)	1997 01 06.44733	01 27 41.75	+06 06 28.6	327
(897)	1996 12 25.68539	04 09 20.19	+22 18 42.7	327	(1534)	1997 01 06.45780	01 27 42.25	+06 06 34.7	327
(897)	1996 12 25.70022	04 09 19.56	+22 18 36.2	14.0 327	(1597)	1996 12 27.86670	12 06 19.62	-00 26 10.1	327
(897)	1996 12 26.58984	04 08 44.38	+22 12 41.8	327	(1597)	1996 12 27.87609	12 06 20.12	-00 26 11.1	16.4 327
(897)	1996 12 26.60138	04 08 43.94	+22 12 37.5	327	(1597)	1996 12 27.88551	12 06 20.62	-00 26 12.1	327
(897)	1996 12 26.61294	04 08 43.44	+22 12 32.7	14.1 327	(1638)	1996 12 20.55162	05 47 21.25	+23 01 54.1	327
(1003)	1997 01 02.47616	01 11 57.19	+05 27 44.3	327	(1638)	1996 12 20.57222	05 47 20.00	+23 01 53.8	327
(1003)	1997 01 02.48920	01 11 57.75	+05 27 46.1	15.8 327	(1638)	1996 12 20.58524	05 47 19.25	+23 01 53.7	15.9 327
(1003)	1997 01 02.50221	01 11 58.06	+05 27 48.7	327	(1667)	1996 12 08.83411	09 34 03.95	+18 27 04.5	17.1 V 327
(1096)	1996 12 29.55869	04 46 00.19	+22 24 49.8	327	(1667)	1996 12 08.84764	09 34 04.09	+18 27 05.2	327
(1096)	1996 12 29.57317	04 45 59.44	+22 24 51.3	327	(1667)	1996 12 08.86064	09 34 04.27	+18 27 06.0	327
(1096)	1996 12 29.58773	04 45 58.69	+22 24 52.8	14.8 327	(1667)	1996 12 12.87231	09 34 50.38	+18 34 37.5	17.1 327
(1125)	1996 12 22.45733	00 57 35.00	+02 44 02.0	327	(1667)	1996 12 12.89240	09 34 50.50	+18 34 40.1	327
(1125)	1996 12 22.47035	00 57 35.31	+02 44 05.1	16.4 327	(1667)	1996 12 12.91301	09 34 50.62	+18 34 42.8	327
(1125)	1996 12 22.48337	00 57 35.62	+02 44 08.3	327	(1765)	1996 12 10.64278	04 27 37.02	+22 03 14.0	14.3 V 327
(1125)	1996 12 26.44572	00 59 24.00	+03 01 19.8	16.8 327	(1765)	1996 12 10.65858	04 27 36.06	+22 03 16.8	327
(1125)	1996 12 26.49161	00 59 25.31	+03 01 32.6	327	(1765)	1996 12 10.67458	04 27 35.13	+22 03 20.0	327
(1125)	1996 12 26.51118	00 59 25.94	+03 01 38.0	327	(1779)	1996 12 09.69892	05 53 48.25	+23 11 24.5	327
(1274)	1996 11 28.86338	11 40 49.75	+02 00 34.8	16.8 V 327	(1779)	1996 12 09.71193	05 53 47.25	+23 11 23.5	327
(1274)	1996 11 28.86773	11 40 50.12	+02 00 31.6	16.1 V 327	(1779)	1996 12 09.72494	05 53 46.38	+23 11 23.0	17.4 327
(1274)	1996 11 28.87756	11 40 51.07	+02 00 24.8	327	(1834)	1996 12 23.50265	01 07 45.00	+16 23 07.8	327
(1274)	1996 11 28.88190	11 40 51.47	+02 00 21.8	327	(1834)	1996 12 23.51329	01 07 45.25	+16 23 06.7	17.0 327
(1274)	1996 11 28.89058	11 40 52.25	+02 00 15.7	327	(1834)	1996 12 23.52391	01 07 45.44	+16 23 05.3	327
(1274)	1996 11 28.89491	11 40 52.68	+02 00 12.5	327	(1894)	1996 12 30.60177	05 28 50.12	+23 00 21.7	327
(1274)	1996 11 28.90359	11 40 53.45	+02 00 06.9	327	(1894)	1996 12 30.61043	05 28 49.62	+23 00 20.1	16.1 327
(1279)	1996 12 02.58200	03 34 25.43	+28 17 52.6	16.8 V 327	(1894)	1996 12 30.61910	05 28 49.25	+23 00 19.7	327
(1279)	1996 12 02.59668	03 34 24.42	+28 17 48.5	327	(1903)	1997 01 05.83728	09 48 07.62	+12 19 42.6	327
(1279)	1996 12 02.62177	03 34 22.84	+28 17 42.1	327	(1903)	1997 01 05.86796	09 48 07.00	+12 19 51.7	327
(1289)	1996 12 20.49038	23 24 39.00	-03 43 58.5	327	(1903)	1997 01 05.87687	09 48 06.88	+12 19 54.2	15.1 327

(1903)	1997 01 08.85970	09 47 04.94	+12 35 24.8		327	(3089)	1996 12 20.58524	05 47 28.62	+23 00 09.7		327
(1903)	1997 01 08.86981	09 47 04.67	+12 35 28.5		327	(3089)	1996 12 21.57400	05 46 32.00	+23 03 08.0		327
(1903)	1997 01 08.88010	09 47 04.46	+12 35 31.9	15.3 V	327	(3089)	1996 12 21.58888	05 46 31.25	+23 03 11.2	15.9	327
(1903)	1997 01 11.81233	09 45 51.75	+12 52 04.5	15.4	327	(3089)	1996 12 21.60390	05 46 30.38	+23 03 14.2		327
(1903)	1997 01 11.82861	09 45 51.38	+12 52 10.2		327	(3114)	1996 12 12.49287	01 13 06.56	+05 36 31.2		327
(1903)	1997 01 11.83988	09 45 51.00	+12 52 14.1		327	(3114)	1996 12 12.51302	01 13 06.81	+05 36 33.5	18.0	327
(1913)	1996 12 19.43363	22 39 37.50	-08 29 12.2		327	(3114)	1996 12 12.53319	01 13 07.06	+05 36 35.3		327
(1913)	1996 12 19.44664	22 39 38.38	-08 29 06.2		327	(3247)	1996 12 12.88255	09 46 20.62	+19 03 03.7	18.2	327
(1913)	1996 12 19.45968	22 39 39.25	-08 29 00.5	16.8	327	(3247)	1996 12 12.90265	09 46 21.12	+19 03 04.1		327
(1932)	1996 12 19.43068	22 34 44.75	-08 34 55.8		327	(3247)	1996 12 12.92324	09 46 21.62	+19 03 04.8		327
(1932)	1996 12 19.44369	22 34 45.50	-08 34 50.7	18.2	327	(3279)	1996 11 29.46454	00 23 53.63	+00 36 50.4		327
(1932)	1996 12 19.45670	22 34 46.62	-08 34 45.7		327	(3279)	1996 11 29.47821	00 23 54.24	+00 36 53.8	15.4 V	327
(2058)	1996 12 24.44471	01 21 17.75	+05 52 36.5		327	(3279)	1996 11 29.49122	00 23 54.82	+00 36 56.6		327
(2058)	1996 12 24.46616	01 21 18.06	+05 52 39.7		327	(3315)	1996 12 27.87135	12 08 15.12	+01 26 59.6		327
(2058)	1996 12 24.48684	01 21 18.38	+05 52 43.2	17.0	327	(3315)	1996 12 27.88079	12 08 15.62	+01 26 58.8		327
(2058)	1997 01 02.46749	01 24 16.19	+06 19 48.2	17.2	327	(3315)	1996 12 27.89028	12 08 16.25	+01 26 57.3	16.6	327
(2058)	1997 01 02.48050	01 24 16.50	+06 19 51.0		327	(3336)	1996 12 19.56654	04 56 54.50	+22 10 05.7		327
(2058)	1997 01 02.49355	01 24 16.81	+06 19 53.7		327	(3336)	1996 12 19.58392	04 56 53.38	+22 10 04.2	16.8	327
(2067)	1996 12 24.45021	01 30 02.31	+05 53 08.5		327	(3336)	1996 12 19.60127	04 56 52.31	+22 10 01.8		327
(2067)	1996 12 24.47122	01 30 02.56	+05 53 10.8	16.5	327	(3336)	1996 12 19.61869	04 56 51.06	+22 09 59.2		327
(2067)	1996 12 24.49196	01 30 02.81	+05 53 13.2		327	(3354)	1996 12 14.47659	01 01 09.09	+15 44 45.2	17.0 V	327
(2082)	1996 12 18.51689	04 15 53.62	+19 53 41.6		327	(3354)	1996 12 14.49176	01 01 09.46	+15 44 44.4		327
(2082)	1996 12 18.53854	04 15 52.56	+19 53 40.0		327	(3354)	1996 12 14.50753	01 01 09.80	+15 44 43.3		327
(2082)	1996 12 18.56075	04 15 51.50	+19 53 38.7	18.5	327	(3354)	1996 12 22.54455	01 05 08.69	+15 43 17.7		327
(2114)	1996 12 06.64152	04 36 08.90	+22 46 42.0		327	(3354)	1996 12 22.56630	01 05 09.44	+15 43 18.3		327
(2114)	1996 12 06.65697	04 36 08.06	+22 46 40.4		327	(3354)	1996 12 22.57495	01 05 09.75	+15 43 18.2	16.4	327
(2114)	1996 12 06.67242	04 36 07.29	+22 46 38.5	17.2 V	327	(3354)	1996 12 23.50265	01 05 43.50	+15 43 49.7		327
(2250)	1996 11 27.51405	01 19 32.47	+06 29 52.3		327	(3354)	1996 12 23.51329	01 05 43.88	+15 43 49.7		327
(2250)	1996 11 27.52708	01 19 32.36	+06 29 51.7	16.7 V	327	(3354)	1996 12 23.52391	01 05 44.31	+15 43 50.3	16.8	327
(2250)	1996 11 27.54009	01 19 32.14	+06 29 51.5		327	(3370)	1996 11 28.86773	11 39 25.29	+02 33 51.6	18.2 V	327
(2324)	1996 11 28.86338	11 42 00.06	+01 49 50.4		327	(3370)	1996 11 28.88190	11 39 26.65	+02 33 44.2		327
(2324)	1996 11 28.87756	11 42 00.87	+01 49 45.2		327	(3370)	1996 11 28.89491	11 39 27.79	+02 33 39.4		327
(2324)	1996 11 28.89058	11 42 01.55	+01 49 40.4		327	(3399)	1996 12 16.67025	05 40 07.75	+23 35 11.2	16.9	327
(2324)	1996 11 28.90359	11 42 02.35	+01 49 34.7	18.1 V	327	(3399)	1996 12 16.68053	05 40 07.12	+23 35 12.2		327
(2467)	1996 11 28.66147	03 41 45.00	+29 31 03.9		327	(3399)	1996 12 16.69081	05 40 06.62	+23 35 10.6		327
(2467)	1996 11 28.67885	03 41 43.72	+29 30 57.4		327	(3399)	1996 12 21.56894	05 35 36.88	+23 32 44.8	16.0	327
(2467)	1996 11 28.69674	03 41 42.43	+29 30 50.0	15.6 V	327	(3399)	1996 12 21.58381	05 35 36.00	+23 32 45.2		327
(2555)	1996 12 19.76676	08 48 09.12	+17 33 42.2		327	(3399)	1996 12 21.59875	05 35 35.25	+23 32 43.7		327
(2555)	1996 12 19.77980	08 48 08.88	+17 33 43.3		327	(3399)	1996 12 30.60177	05 27 45.88	+23 27 17.8		327
(2555)	1996 12 19.79287	08 48 08.50	+17 33 44.3	16.2	327	(3399)	1996 12 30.61043	05 27 45.38	+23 27 17.8	17.1	327
(2572)	1996 12 04.59378	02 17 32.63	+10 04 20.5	17.0 V	327	(3399)	1996 12 30.61910	05 27 44.88	+23 27 17.7		327
(2572)	1996 12 04.61125	02 17 32.10	+10 04 17.6		327	(3442)	1996 12 23.78003	10 21 55.12	+19 33 10.2		327
(2572)	1996 12 04.62917	02 17 31.55	+10 04 14.1		327	(3442)	1996 12 23.79442	10 21 55.25	+19 33 14.7		327
(2572)	1996 12 04.64823	02 17 30.97	+10 04 10.4		327	(3442)	1996 12 23.80869	10 21 55.25	+19 33 18.8	16.9	327
(2592)	1996 12 20.48605	23 21 14.25	-03 42 36.8		327	(3457)	1996 12 18.65611	07 27 49.00	+22 01 00.7		327
(2592)	1996 12 20.49905	23 21 14.75	-03 42 34.3	18.2	327	(3457)	1996 12 18.67778	07 27 48.00	+22 01 04.8	15.5	327
(2592)	1996 12 20.52737	23 21 16.00	-03 42 27.1		327	(3457)	1996 12 18.69947	07 27 47.00	+22 01 07.5		327
(2804)	1996 12 10.69003	05 48 29.88	+16 34 07.2		327	(3457)	1996 12 21.79487	07 25 19.88	+22 09 07.2		327
(2804)	1996 12 10.70910	05 48 28.75	+16 34 10.1	15.6	327	(3457)	1996 12 21.81222	07 25 19.00	+22 09 09.7		327
(2804)	1996 12 10.72817	05 48 27.75	+16 34 11.8		327	(3457)	1996 12 21.82956	07 25 18.12	+22 09 12.3	15.9	327
(3089)	1996 12 20.55162	05 47 30.62	+23 00 03.3		327	(3457)	1996 12 21.84691	07 25 17.38	+22 09 15.0		327
(3089)	1996 12 20.57222	05 47 29.38	+23 00 07.2	16.1	327	(3461)	1996 12 08.83411	09 36 19.02	+18 20 15.8		327

(3461)	1996 12 08.84764	09 36 19.30	+18 20 16.2		327	(4714)	1996 11 28.87756	11 41 51.79	+01 36 54.1		327
(3461)	1996 12 08.86064	09 36 19.56	+18 20 17.6	18.4 V	327	(4714)	1996 11 28.89058	11 41 52.37	+01 36 48.7		327
(3461)	1996 12 12.87231	09 37 29.75	+18 24 02.8		327	(4714)	1996 11 28.90359	11 41 52.98	+01 36 43.4	18.5 V	327
(3461)	1996 12 12.89240	09 37 29.88	+18 24 04.7		327	(4759)	1996 12 20.79898	09 16 29.12	+15 31 22.2		327
(3461)	1996 12 12.91301	09 37 30.12	+18 24 06.0	18.2	327	(4759)	1996 12 20.81205	09 16 28.88	+15 31 23.5	18.5	327
(3485)	1996 12 25.82416	09 52 24.62	+13 09 52.8	17.6	327	(4759)	1996 12 20.82505	09 16 28.75	+15 31 24.7		327
(3485)	1996 12 25.84021	09 52 24.38	+13 09 54.1		327	(4759)	1996 12 22.83880	09 15 50.12	+15 34 28.7		327
(3485)	1996 12 25.85622	09 52 24.25	+13 09 54.6		327	(4759)	1996 12 22.85179	09 15 49.88	+15 34 30.7		327
(3532)	1997 01 02.46749	01 23 53.00	+05 35 31.8	16.9	327	(4759)	1996 12 22.86480	09 15 49.50	+15 34 31.2	17.6	327
(3532)	1997 01 02.48050	01 23 53.44	+05 35 37.2		327	(4869)	1996 12 30.63207	05 42 47.50	+22 51 17.3		327
(3532)	1997 01 02.49355	01 23 53.81	+05 35 42.8		327	(4869)	1996 12 30.64073	05 42 46.88	+22 51 17.8	16.2	327
(3532)	1997 01 06.43646	01 26 07.69	+06 04 10.0		327	(4869)	1996 12 30.64939	05 42 46.25	+22 51 18.2		327
(3532)	1997 01 06.44733	01 26 08.12	+06 04 14.6		327	(4954)	1997 01 11.90177	12 59 46.38	+00 24 57.3	16.0	327
(3532)	1997 01 06.45780	01 26 08.44	+06 04 19.1	17.0	327	(4954)	1997 01 11.91207	12 59 46.62	+00 24 52.6		327
(3627)	1996 12 10.45917	00 59 03.12	-04 25 04.6	17.8	327	(4954)	1997 01 11.92161	12 59 46.88	+00 24 48.1		327
(3627)	1996 12 10.46861	00 59 03.19	-04 25 01.1		327	(4954)	1997 01 12.87303	13 00 10.38	+00 17 29.3		327
(3627)	1996 12 10.47771	00 59 03.25	-04 24 57.8		327	(4954)	1997 01 12.88354	13 00 10.50	+00 17 23.5		327
(3807)	1996 12 27.86670	12 07 19.50	-01 01 35.8		327	(4954)	1997 01 12.89461	13 00 10.88	+00 17 19.5	15.8	327
(3807)	1996 12 27.87609	12 07 20.00	-01 01 39.3		327	(5029)	1996 11 29.46454	00 25 07.62	+00 37 27.6	16.6 V	327
(3807)	1996 12 27.88551	12 07 20.50	-01 01 40.8	17.7	327	(5029)	1996 11 29.47821	00 25 07.62	+00 37 33.6		327
(3973)	1996 12 29.71898	06 21 05.62	+24 35 00.6		327	(5029)	1996 11 29.49122	00 25 07.60	+00 37 39.2		327
(3973)	1996 12 29.73317	06 21 04.75	+24 35 01.5		327	(5048)	1996 12 26.58984	04 09 29.75	+22 30 58.2		327
(3973)	1996 12 29.74745	06 21 03.62	+24 35 03.0	16.3	327	(5048)	1996 12 26.60138	04 09 29.25	+22 30 57.2		327
(3984)	1996 12 18.66478	07 34 13.25	+21 49 22.7		327	(5048)	1996 12 26.61294	04 09 28.81	+22 30 54.8	17.4	327
(3984)	1996 12 18.68645	07 34 12.00	+21 49 27.1	17.7	327	(5087)	1996 12 01.49759	22 56 12.34	-06 04 37.5	18.8 V	327
(3984)	1996 12 18.70815	07 34 10.88	+21 49 31.7		327	(5087)	1996 12 01.50200	22 56 12.58	-06 04 36.9		327
(4182)	1996 12 10.86069	09 57 00.12	+04 43 50.8	17.6	327	(5087)	1996 12 01.50633	22 56 12.76	-06 04 36.1		327
(4182)	1996 12 10.87554	09 57 00.25	+04 43 46.8		327	(5091)	1996 12 20.66420	06 20 35.62	+23 09 19.0		327
(4182)	1996 12 10.89023	09 57 00.38	+04 43 43.1		327	(5091)	1996 12 20.67731	06 20 34.88	+23 09 18.5	16.2	327
(4353)	1996 12 23.61678	02 53 49.50	+12 24 05.3		327	(5091)	1996 12 20.69035	06 20 34.12	+23 09 18.1		327
(4353)	1996 12 23.62678	02 53 49.25	+12 24 06.7	17.4	327	(5091)	1996 12 20.70337	06 20 33.25	+23 09 17.5		327
(4353)	1996 12 23.63696	02 53 49.06	+12 24 08.3		327	(5193)	1996 12 23.69284	07 18 27.38	+23 02 33.6		327
(4550)	1996 12 08.75406	07 33 23.50	+22 03 42.0	17.8 V	327	(5193)	1996 12 23.71227	07 18 26.50	+23 02 36.7	14.9	327
(4550)	1996 12 08.76708	07 33 23.06	+22 03 42.9		327	(5193)	1996 12 23.73205	07 18 25.50	+23 02 39.6		327
(4550)	1996 12 08.78012	07 33 22.51	+22 03 43.4		327	(5338)	1996 12 22.46168	01 01 40.31	+03 05 57.1		327
(4550)	1996 12 10.73884	07 32 12.38	+22 06 27.0		327	(5338)	1996 12 22.47469	01 01 40.75	+03 06 01.1		327
(4550)	1996 12 10.75848	07 32 11.62	+22 06 28.0		327	(5338)	1996 12 22.48773	01 01 41.06	+03 06 05.1	17.4	327
(4550)	1996 12 10.77752	07 32 10.88	+22 06 30.0	17.9	327	(5386)	1996 12 28.79398	07 16 46.50	+25 37 37.6		327
(4550)	1996 12 19.64263	07 26 04.00	+22 19 57.3		327	(5386)	1996 12 28.80351	07 16 46.00	+25 37 40.7		327
(4550)	1996 12 19.66444	07 26 03.00	+22 19 59.2	17.7	327	(5386)	1996 12 28.81313	07 16 45.12	+25 37 44.2	16.1	327
(4550)	1996 12 19.68910	07 26 01.88	+22 20 01.8		327	(5397)	1996 12 25.55635	02 11 34.31	+07 38 40.3		327
(4574)	1996 12 22.53586	00 34 47.56	+13 52 36.7		327	(5397)	1996 12 25.57069	02 11 34.75	+07 38 39.7	16.3	327
(4574)	1996 12 22.54888	00 34 48.12	+13 52 36.7		327	(5397)	1996 12 25.58513	02 11 35.19	+07 38 39.5		327
(4574)	1996 12 22.55329	00 34 48.31	+13 52 36.7	17.2	327	(5406)	1996 11 28.60486	02 51 47.58	+16 59 33.0		327
(4574)	1996 12 22.55762	00 34 48.50	+13 52 36.7		327	(5406)	1996 11 28.61789	02 51 46.99	+16 59 29.5		327
(4687)	1996 12 09.69459	05 50 05.12	+23 50 55.6		327	(5406)	1996 11 28.63089	02 51 46.39	+16 59 25.7		327
(4687)	1996 12 09.70760	05 50 04.50	+23 50 54.5		327	(5406)	1996 11 28.64394	02 51 45.75	+16 59 21.6	16.8 V	327
(4687)	1996 12 09.72061	05 50 03.88	+23 50 53.3	16.0	327	(5480)	1997 01 11.90177	13 00 21.75	+00 02 00.3	16.9	327
(4687)	1996 12 16.67025	05 43 43.25	+23 38 05.8	16.2	327	(5480)	1997 01 11.91207	13 00 22.00	+00 01 59.8		327
(4687)	1996 12 16.68053	05 43 42.62	+23 38 05.0		327	(5480)	1997 01 11.92161	13 00 22.38	+00 01 59.5		327
(4687)	1996 12 16.69081	05 43 42.12	+23 38 03.6		327	(5480)	1997 01 12.87303	13 00 54.50	+00 01 15.1	17.0	327
(4714)	1996 11 28.86338	11 41 51.15	+01 36 59.7		327	(5480)	1997 01 12.88354	13 00 54.75	+00 01 14.3		327

(5480)	1997 01 12.89461	13 00 55.12	+00 01 14.8		327
(5481)	1996 12 08.83411	09 35 49.90	+18 19 45.6	18.5 V	327
(5481)	1996 12 08.84764	09 35 50.06	+18 19 43.7		327
(5481)	1996 12 08.86064	09 35 50.35	+18 19 41.7		327
(5481)	1996 12 12.87231	09 36 54.25	+18 12 06.5		327
(5481)	1996 12 12.89240	09 36 54.50	+18 12 04.8		327
(5481)	1996 12 12.91301	09 36 54.75	+18 12 03.0	18.3	327
(5533)	1996 12 25.78595	09 41 23.38	+19 39 37.6		327
(5533)	1996 12 25.80010	09 41 23.00	+19 39 39.1	18.5	327
(5533)	1996 12 25.81439	09 41 22.75	+19 39 41.2		327
(5555)	1996 12 20.42432	23 06 57.00	-05 11 01.8		327
(5555)	1996 12 20.43731	23 06 57.75	-05 10 55.1		327
(5555)	1996 12 20.45464	23 06 58.75	-05 10 46.7	17.7	327
(5555)	1996 12 20.46764	23 06 59.50	-05 10 40.3		327
(5616)	1996 12 18.51689	04 18 29.94	+20 33 23.2	16.7	327
(5616)	1996 12 18.53854	04 18 28.81	+20 33 23.3		327
(5616)	1996 12 18.56075	04 18 27.62	+20 33 23.5		327
(5698)	1996 12 10.63193	05 02 14.88	+22 53 36.6		327
(5698)	1996 12 10.64807	05 02 14.00	+22 53 35.7		327
(5698)	1996 12 10.66405	05 02 13.12	+22 53 34.7	17.5	327
(5813)	1996 12 20.42432	23 06 57.50	-05 38 37.6		327
(5813)	1996 12 20.43731	23 06 58.75	-05 38 33.0		327
(5813)	1996 12 20.45464	23 07 00.38	-05 38 27.0		327
(5813)	1996 12 20.46764	23 07 01.62	-05 38 22.3	17.2	327
(5951)	1996 12 26.68178	05 06 16.12	+22 27 10.1		327
(5951)	1996 12 26.69649	05 06 15.25	+22 27 12.7	15.4	327
(5951)	1996 12 26.71435	05 06 14.12	+22 27 15.7		327
(5960)	1996 12 24.74769	09 34 16.25	+21 21 24.5	17.7	327
(5960)	1996 12 24.76278	09 34 16.00	+21 21 27.6		327
(5960)	1996 12 24.77796	09 34 15.75	+21 21 31.7		327
(6352)	1996 12 30.53030	03 16 06.44	+23 10 45.7		327
(6352)	1996 12 30.54112	03 16 06.31	+23 10 43.7		327
(6352)	1996 12 30.55497	03 16 06.12	+23 10 41.2	17.1	327
(6548)	1997 01 02.47183	01 50 28.50	+20 11 35.0	18.0	327
(6548)	1997 01 02.48483	01 50 28.75	+20 11 33.1		327
(6548)	1997 01 02.49788	01 50 29.00	+20 11 31.5		327
(6571)	1996 12 28.82573	07 05 02.25	+23 30 53.2		327
(6571)	1996 12 28.83549	07 05 01.62	+23 30 53.0	17.3	327
(6571)	1996 12 28.84515	07 05 00.88	+23 30 52.6		327
(6591)	1996 12 10.74407	07 30 07.70	+22 51 48.9		327
(6591)	1996 12 10.76328	07 30 06.91	+22 51 48.6		327
(6591)	1996 12 10.78223	07 30 06.10	+22 51 48.6	17.6 V	327
(6591)	1996 12 19.65134	07 23 08.75	+22 54 24.1		327
(6591)	1996 12 19.68041	07 23 07.25	+22 54 23.5		327
(6591)	1996 12 19.69775	07 23 06.25	+22 54 25.2	17.1	327
(6612)	1996 12 28.74774	05 22 55.00	+23 57 11.3		327
(6612)	1996 12 28.75728	05 22 54.38	+23 57 11.2	17.7	327
(6612)	1996 12 28.76684	05 22 53.88	+23 57 11.2		327
(6639)	1996 12 28.75252	05 28 47.38	+24 15 34.7		327
(6639)	1996 12 28.76200	05 28 47.00	+24 15 34.2	17.6	327
(6639)	1996 12 28.77174	05 28 46.50	+24 15 33.6		327
(6732)	1996 12 20.75781	08 24 21.50	+19 16 36.2		327

(6732)	1996 12 20.77083	08 24 21.12	+19 16 38.2	17.8	327
(6732)	1996 12 20.78483	08 24 20.75	+19 16 40.3		327
(6743)	1996 12 24.84441	11 16 19.88	+15 13 10.8		327
(6743)	1996 12 24.85885	11 16 20.38	+15 13 11.7	17.8	327
(6743)	1996 12 24.87354	11 16 20.88	+15 13 13.0		327
(6745)	1996 12 19.84654	10 29 02.25	+09 57 49.2		327
(6745)	1996 12 19.85991	10 29 02.88	+09 57 48.7		327
(6745)	1996 12 19.87293	10 29 03.38	+09 57 48.2	18.3	327
(6766)	1996 12 19.80265	09 28 23.62	+15 20 24.3		327
(6766)	1996 12 19.81569	09 28 23.38	+15 20 24.5		327
(6766)	1996 12 19.82877	09 28 23.12	+15 20 25.0	19.2	327
(6779)	1996 12 01.88403	11 48 27.25	+00 45 12.6	17.6	327
(6779)	1996 12 01.89274	11 48 28.25	+00 45 07.1	17.7	327
(6779)	1996 12 01.90142	11 48 29.00	+00 45 02.3	18.2	327
(7142)	1996 12 08.75406	07 36 08.22	+21 31 14.7		327
(7142)	1996 12 08.76708	07 36 07.79	+21 31 16.5		327
(7142)	1996 12 08.78012	07 36 07.40	+21 31 17.1	17.6 V	327
(7142)	1996 12 10.74895	07 35 04.83	+21 33 46.2		327
(7142)	1996 12 10.76808	07 35 04.17	+21 33 47.8		327
(7142)	1996 12 10.78703	07 35 03.59	+21 33 49.2	17.4 V	327
(7151)	1996 12 20.49038	23 26 49.12	-03 35 39.3	17.3	327
(7151)	1996 12 20.50343	23 26 50.00	-03 35 36.3		327
(7151)	1996 12 20.51653	23 26 50.75	-03 35 34.1		327
(7151)	1996 12 20.53404	23 26 51.75	-03 35 30.1		327
(7151)	1996 12 23.45256	23 29 53.00	-03 25 31.5		327
(7151)	1996 12 23.46991	23 29 54.00	-03 25 27.3	17.2	327
(7151)	1996 12 23.48626	23 29 55.12	-03 25 24.1		327
(7253)	1996 12 26.45590	01 07 52.69	+02 55 59.3		327
(7253)	1996 12 26.48161	01 07 53.25	+02 56 06.8		327
(7253)	1996 12 26.50127	01 07 53.75	+02 56 12.1		327
(7253)	1996 12 26.52087	01 07 54.25	+02 56 17.6	17.6	327
(7272)	1996 12 10.52411	01 48 25.62	+14 24 52.1	17.3	327
(7272)	1996 12 10.53907	01 48 25.31	+14 24 52.1		327
(7272)	1996 12 10.55600	01 48 25.00	+14 24 52.3		327
(7321)	1997 01 02.46749	01 25 27.69	+06 15 10.6	17.9	327
(7321)	1997 01 02.48050	01 25 28.19	+06 15 14.2		327
(7321)	1997 01 02.49355	01 25 28.69	+06 15 17.7		327
(7333)	1996 12 18.82679	08 38 26.38	+17 38 56.6	16.7	327
(7333)	1996 12 18.83980	08 38 26.00	+17 38 56.0	16.6	327
(7333)	1996 12 18.89775	08 38 23.88	+17 38 51.2	16.8	327
(7333)	1996 12 24.66678	08 34 38.38	+17 33 55.0		327
(7333)	1996 12 24.67656	08 34 37.88	+17 33 54.5		327
(7333)	1996 12 24.68670	08 34 37.38	+17 33 54.2	16.5	327

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0.2-m $f/6.0$ reflector + CCD

GSC

1996 VB ₅	1996 12 28.42730	01 54 47.28	+12 22 31.1	16.3 V	355
1996 VB ₅	1996 12 28.43604	01 54 47.50	+12 22 34.4		355
1996 VB ₅	1996 12 29.46714	01 55 15.83	+12 27 55.6		355
1996 VB ₅	1996 12 29.47316	01 55 15.94	+12 27 56.3		355

1996 VB ₅	1997 01 02.44172	01 57 21.69	+12 49 34.2		355
1996 VB ₅	1997 01 02.44720	01 57 21.85	+12 49 36.4		355
1997 AC ₁₁	1997 01 18.78303	10 44 46.71	+36 48 13.5		355
1997 AC ₁₁	1997 01 18.78557	10 44 47.47	+36 48 58.7		355
1997 AR ₁₆	* 1997 01 10.81850	12 15 00.16	+07 05 06.6		355
1997 AR ₁₆	1997 01 10.82321	12 15 00.21	+07 05 06.3		355
1997 AR ₁₆	1997 01 10.84014	12 15 00.59	+07 05 00.1		355
1997 AR ₁₆	1997 01 10.84617	12 15 00.74	+07 04 57.5	17.2 V	355
1997 AR ₁₆	1997 01 14.79898	12 16 18.14	+06 44 26.7	16.8 V	355
1997 AR ₁₆	1997 01 14.80310	12 16 18.15	+06 44 24.2		355
1997 AR ₁₆	1997 01 14.80618	12 16 18.17	+06 44 24.3		355
1997 AR ₁₆	1997 01 14.82378	12 16 18.47	+06 44 19.6		355
1997 AR ₁₆	1997 01 14.82625	12 16 18.54	+06 44 19.6		355
1997 AR ₁₆	1997 01 14.82955	12 16 18.55	+06 44 19.4		355
1997 AR ₁₆	1997 01 16.79154	12 16 48.31	+06 34 39.0		355
1997 AR ₁₆	1997 01 16.79647	12 16 48.38	+06 34 37.1		355
1997 AR ₁₆	1997 01 16.80243	12 16 48.42	+06 34 36.1		355
1997 AR ₁₆	1997 01 17.80252	12 17 01.27	+06 29 48.1	16.9 V	355
1997 AR ₁₆	1997 01 17.81177	12 17 01.41	+06 29 46.2		355
1997 AR ₁₆	1997 01 18.79538	12 17 12.56	+06 25 09.0		355
1997 AR ₁₆	1997 01 18.79831	12 17 12.56	+06 25 07.4		355
(4179)	1997 01 03.57600	08 32 36.61	+17 50 25.3		355
(4179)	1997 01 03.57691	08 32 36.51	+17 50 25.7		355
(4179)	1997 01 03.57913	08 32 36.22	+17 50 27.4		355

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

1996 VQ ₃₀	1996 12 03.54078	03 50 42.98	+25 28 31.9	15.8 V	358
1996 VQ ₃₀	1996 12 03.55738	03 50 41.85	+25 28 30.4		358
1996 VQ ₃₀	1996 12 16.55520	03 37 55.88	+25 08 38.7	16.7 V	358
1996 VQ ₃₀	1996 12 16.57304	03 37 55.13	+25 08 37.3		358
1996 VR ₃₀	1996 12 02.55843	04 00 45.03	+24 29 50.1	16.6 V	358
1996 VR ₃₀	1996 12 02.58855	04 00 43.40	+24 29 41.9		358
1996 VR ₃₀	1996 12 16.61402	03 50 04.58	+23 31 08.6	16.7 V	358
1996 VR ₃₀	1996 12 16.62053	03 50 04.24	+23 31 06.1		358
1996 VR ₃₀	1996 12 16.62872	03 50 03.91	+23 31 06.5		358
1996 VS ₃₀	1996 12 03.48744	03 55 44.78	+25 00 24.2	16.8 V	358
1996 VS ₃₀	1996 12 03.49384	03 55 44.07	+25 00 23.7		358
1996 VS ₃₀	1996 12 03.50876	03 55 43.32	+25 00 21.4		358
1996 VS ₃₀	1996 12 07.52729	03 52 02.06	+24 48 28.5	16.5 V	358
1996 VS ₃₀	1996 12 07.54674	03 52 00.88	+24 48 25.0		358
1996 VT ₃₀	1996 12 07.59137	03 59 09.77	+20 48 39.0	16.1 V	358
1996 VT ₃₀	1996 12 07.63155	03 59 07.60	+20 48 31.1		358
1996 VT ₃₀	1996 12 07.65095	03 59 06.57	+20 48 25.2		358
1996 VT ₃₀	1996 12 10.57954	03 56 42.78	+20 38 21.0	16.1 V	358
1996 VT ₃₀	1996 12 10.60881	03 56 41.38	+20 38 14.6		358
1996 VL ₃₈	1996 12 03.59486	04 02 41.12	+22 22 12.5	16.8 V	358
1996 VL ₃₈	1996 12 03.61294	04 02 40.07	+22 22 00.3		358
1996 WA ₃	1996 12 03.69455	03 53 20.27	+26 19 27.9	16.5 V	358
1996 WA ₃	1996 12 03.70780	03 53 19.20	+26 19 33.4		358
1996 WA ₃	1996 12 16.58739	03 41 57.44	+26 50 25.6	17.2 V	358

1996 WA ₃	1996 12 16.60016	03 41 56.89	+26 50 27.4		358
1996 WA ₃	1996 12 16.60411	03 41 56.70	+26 50 29.2		358
1996 XP ₁₉	1996 12 13.66127	07 00 19.83	+18 18 35.9	17.1 V	358
1996 XP ₁₉	1996 12 13.68388	07 00 18.50	+18 18 38.4		358
1996 XP ₁₉	1996 12 14.64188	06 59 28.28	+18 19 57.1	16.6 V	358
1996 XP ₁₉	1996 12 14.68771	06 59 25.32	+18 20 00.8		358
1996 XP ₁₉	1996 12 15.61881	06 58 34.93	+18 21 20.8	17.3 V	358
1996 XP ₁₉	1996 12 15.65504	06 58 32.91	+18 21 24.7		358
1996 XP ₁₉	1996 12 16.63875	06 57 38.11	+18 22 52.7	16.6 V	358
1996 XP ₁₉	1996 12 16.65218	06 57 37.35	+18 22 55.8		358
1996 XP ₁₉	1996 12 16.66047	06 57 36.71	+18 22 56.9		358
1997 AO ₁₄	* 1997 01 08.67562	08 01 55.79	+17 41 21.3	16.4 V	358
1997 AO ₁₄	1997 01 08.69363	08 01 54.62	+17 41 28.9		358
1997 AO ₁₄	1997 01 09.68127	08 00 53.25	+17 47 17.3	16.2 V	358
1997 AO ₁₄	1997 01 09.69732	08 00 52.21	+17 47 22.3		358
1997 AC ₁₅	* 1997 01 08.68528	08 00 20.57	+20 02 01.8	17.1 V	358
1997 AC ₁₅	1997 01 08.70329	08 00 19.40	+20 02 09.0		358
1997 AC ₁₅	1997 01 13.58876	07 55 27.47	+20 37 53.4	16.7 V	358
1997 AC ₁₅	1997 01 13.61373	07 55 26.00	+20 38 04.3		358
1997 AJ ₁₉	* 1997 01 13.58044	07 54 42.03	+18 26 33.6	17.5 V	358
1997 AJ ₁₉	1997 01 13.60547	07 54 40.48	+18 26 38.8		358
1997 AJ ₁₉	1997 01 16.72858	07 51 42.53	+18 33 18.0	17.2 V	358
1997 AJ ₁₉	1997 01 16.74494	07 51 41.46	+18 33 21.2		358
1997 AK ₁₉	* 1997 01 13.65992	07 52 53.48	+16 55 39.8	16.3 V	358
1997 AK ₁₉	1997 01 13.68083	07 52 52.03	+16 55 45.3		358
1997 AK ₁₉	1997 01 13.70021	07 52 50.65	+16 55 50.5		358
1997 AK ₁₉	1997 01 16.70191	07 49 33.50	+17 06 57.3	16.5 V	358
1997 AK ₁₉	1997 01 16.71671	07 49 32.46	+17 07 01.2		358
1997 AL ₁₉	* 1997 01 13.66267	07 54 13.42	+17 40 46.5	17.0 V	358
1997 AL ₁₉	1997 01 13.70295	07 54 10.89	+17 41 01.1		358
1997 AL ₁₉	1997 01 16.72690	07 50 57.77	+18 00 13.0	16.9 V	358
1997 AL ₁₉	1997 01 16.74078	07 50 56.72	+18 00 18.9		358
1997 AM ₁₉	* 1997 01 13.66405	07 52 51.40	+18 04 57.2	17.2 V	358
1997 AM ₁₉	1997 01 13.70433	07 52 48.62	+18 05 04.3		358
1997 AM ₁₉	1997 01 16.70604	07 49 32.20	+18 17 42.5	16.5 V	358
1997 AM ₁₉	1997 01 16.72424	07 49 31.11	+18 17 47.2		358

360 Kuma Kogen Astronomical Observatory

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 Japan [gcc00404@niftyserve.or.jp]

0.60-m $f/6.0$ Ritchey-Chrétien + CCD

GSC

1984 BC	1997 01 11.74514	10 19 13.75	+11 53 19.1	18.3 V	360
1984 BC	1997 01 11.75347	10 19 14.14	+11 53 28.2		360
1984 BC	1997 01 11.75972	10 19 14.43	+11 53 34.9		360
1991 VH	1997 01 13.78368	11 53 31.26	-02 46 39.3	17.5 V	360
1991 VH	1997 01 13.78715	11 53 31.51	-02 46 36.2		360
1991 VH	1997 01 13.79097	11 53 31.81	-02 46 32.6		360
1992 TC	1997 01 11.62674	06 24 08.08	+29 01 47.7	18.6 V	360
1992 TC	1997 01 11.63038	06 24 07.74	+29 01 49.4		360
1992 TC	1997 01 11.63368	06 24 07.46	+29 01 50.6		360
1993 XN ₂	1996 12 28.45938	00 58 00.79	+24 15 02.4	17.2 V	360
1993 XN ₂	1996 12 28.46215	00 58 01.32	+24 15 12.3		360

1993 XN ₂	1996 12 28.46493	00 58 01.86	+24 15 22.3		360
1994 PC	1997 01 11.60660	05 18 12.38	+11 11 55.3	17.1 V	360
1994 PC	1997 01 11.60972	05 18 12.40	+11 12 01.0		360
1994 PC	1997 01 11.61285	05 18 12.45	+11 12 06.6		360
1994 PC ₁	1997 01 12.49028	04 33 47.36	-38 24 46.8	14.1 V	360
1994 PC ₁	1997 01 12.49306	04 33 45.24	-38 24 25.2		360
1994 PC ₁	1997 01 12.49583	04 33 43.14	-38 24 03.7		360
1995 CS ₁	1997 01 12.45000	02 48 07.51	-08 39 44.1	19.6 V	360
1995 CS ₁	1997 01 12.45694	02 48 07.82	-08 39 41.5		360
1995 CS ₁	1997 01 12.46215	02 48 08.03	-08 39 39.6		360
1995 WE ₁	1997 01 11.71094	09 42 43.72	+20 03 06.5	18.1 V	360
1995 WE ₁	1997 01 11.71753	09 42 43.49	+20 03 08.5		360
1995 WE ₁	1997 01 11.72778	09 42 43.13	+20 03 11.1		360
1995 WE ₁	1997 01 13.71719	09 41 36.90	+20 11 51.9	18.0 V	360
1995 WE ₁	1997 01 13.72326	09 41 36.69	+20 11 53.5		360
1996 FG ₃	1997 01 13.77726	11 15 40.06	+03 35 14.4	19.4 V	360
1996 FG ₃	1997 01 13.79566	11 15 39.48	+03 35 13.6		360
1996 FG ₃	1997 01 13.80139	11 15 39.30	+03 35 13.0		360
1996 TE ₁₁	1997 01 12.47431	04 42 29.88	-34 35 46.4	17.1 V	360
1996 TE ₁₁	1997 01 12.47778	04 42 30.13	-34 35 40.9		360
1996 TE ₁₁	1997 01 12.48056	04 42 30.31	-34 35 36.6		360
1996 VL	1996 12 28.47448	01 15 26.35	+14 04 43.9	18.9 V	360
1996 VL	1996 12 28.49514	01 15 27.55	+14 04 49.9		360
1996 VL	1996 12 28.51493	01 15 28.70	+14 04 56.0		360
1996 WC ₃	1996 12 28.48073	02 07 42.80	+04 45 31.2	19.3 V	360
1996 WC ₃	1996 12 28.48715	02 07 42.96	+04 45 32.3		360
1997 AC ₁₁	1997 01 13.73438	10 24 12.47	+16 18 44.8	17.7 V	360
1997 AC ₁₁	1997 01 13.73767	10 24 12.97	+16 19 22.7		360
1997 AC ₁₁	1997 01 13.74063	10 24 13.41	+16 19 56.2		360
1997 AC ₁₁	1997 01 18.80260	10 44 53.40	+36 54 07.6	17.4 V	t 360
1997 AC ₁₁	1997 01 18.80608	10 44 54.51	+36 55 10.0		t 360
1997 AC ₁₁	1997 01 18.80851	10 44 55.27	+36 55 52.5		t 360
1997 AC ₁₁	1997 01 19.76528	10 51 05.49	+41 48 21.1	17.4 V	360
1997 AC ₁₁	1997 01 19.76701	10 51 06.16	+41 48 53.6		360
1997 AC ₁₁	1997 01 19.76875	10 51 06.83	+41 49 26.2		360
1997 AW ₁₇	* 1997 01 13.69010	09 33 29.05	+17 28 44.5	18.5 V	360
1997 AW ₁₇	1997 01 13.69705	09 33 28.76	+17 28 46.5		360
1997 AW ₁₇	1997 01 13.70330	09 33 28.51	+17 28 48.2		360
1997 AW ₁₇	1997 01 15.74514	09 32 08.64	+17 38 27.4		360
1997 AW ₁₇	1997 01 15.75174	09 32 08.36	+17 38 29.3		360
1997 AW ₁₇	1997 01 15.75764	09 32 08.11	+17 38 31.3		360
1997 AW ₁₇	1997 01 18.77413	09 29 57.55	+17 53 31.7		360
1997 AW ₁₇	1997 01 18.78021	09 29 57.26	+17 53 33.9	18.4 V	360
1997 AW ₁₇	1997 01 18.78542	09 29 57.02	+17 53 35.4		360
1997 AQ ₁₈	1997 01 18.74618	07 51 37.71	+19 25 56.9	17.7 V	360
1997 AQ ₁₈	1997 01 18.74931	07 51 37.00	+19 25 54.6		360
1997 AQ ₁₈	1997 01 18.76580	07 51 33.23	+19 25 39.3		360
1997 AQ ₁₈	1997 01 18.76858	07 51 32.62	+19 25 37.1		360
(1627)	1997 01 11.67639	08 54 37.43	+15 14 30.6	16.3 V	360
(1627)	1997 01 11.68056	08 54 37.14	+15 14 32.4		360
(2231)	1997 01 11.71094	09 43 20.13	+20 03 36.8	17.1 V	360
(2231)	1997 01 11.71753	09 43 19.84	+20 03 38.0		360

(2231)	1997 01 11.72778	09 43 19.38	+20 03 39.6		360
(2231)	1997 01 13.71719	09 41 49.53	+20 09 23.8	16.9 V	360
(2231)	1997 01 13.72326	09 41 49.24	+20 09 25.0		360
(4015)	1997 01 12.40799	23 35 08.21	-00 36 25.9	18.6 V	360
(4015)	1997 01 12.41285	23 35 09.53	-00 36 17.6		360
(5131)	1997 01 11.59722	05 08 42.85	+00 43 13.9	18.0 V	360
(5131)	1997 01 11.60104	05 08 42.48	+00 43 17.7		360

365 Kashihara

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0.20-m $f/4.0$ reflector + CCD

GSC

1996 UK ₁	1996 11 19.70013	01 47 42.69	+10 12 58.5	16.4 V	365
1996 UK ₁	1996 11 19.72014	01 47 42.07	+10 12 57.9		365

367 Yatsuka

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

0.26-m $f/6.0$ reflector + CCD

GSC

1988 TL	1997 01 12.53264	07 54 43.06	+20 57 44.7	16.4 V	367
1988 TL	1997 01 12.53749	07 54 42.72	+20 57 45.4		367
1988 VM ₉	1997 01 12.50347	07 00 49.90	+36 06 24.3	16.1 V	367
1988 VM ₉	1997 01 12.50833	07 00 49.59	+36 06 24.7		367
1989 WS ₂	1997 01 12.52292	07 36 43.94	+22 52 30.3	15.7 V	367
1989 WS ₂	1997 01 12.52777	07 36 43.63	+22 52 32.8		367
1992 CU	1997 01 12.56179	09 33 49.37	+25 36 53.7	16.2 V	367
1992 CU	1997 01 12.57013	09 33 49.08	+25 36 57.4		367
1992 UD ₃	1997 01 12.54235	07 12 37.07	+09 20 01.6	16.0 V	367
1992 US ₄	1997 01 12.51319	07 10 22.45	+22 03 35.7	15.2 V	367
1992 US ₄	1997 01 12.51806	07 10 22.11	+22 03 35.9		367
1993 GH	1997 01 12.55207	07 48 30.56	+36 31 19.8	16.5 V	367
1993 GH	1997 01 12.55693	07 48 30.28	+36 31 20.5		367
1996 TY ₇	1997 01 04.58507	01 51 44.63	+14 33 16.4	17.5 V	367
1996 TY ₇	1997 01 04.58987	01 51 44.89	+14 33 18.3		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

1978 QU ₂	1997 01 18.72473	09 33 24.80	+15 37 00.4	17.8 V	369
1978 QU ₂	1997 01 18.73823	09 33 24.08	+15 37 04.6		369
1978 QU ₂	1997 01 18.75076	09 33 23.55	+15 37 07.3		369
1988 XQ	1996 12 29.43800	03 14 58.36	+19 01 41.8	16.5 V	369
1988 XQ	1996 12 29.46771	03 14 59.00	+19 01 29.2		369
1988 XQ	1996 12 29.49307	03 14 59.56	+19 01 18.7		369
1989 WT	1996 12 19.50638	04 00 34.95	+21 25 39.1	16.5 V	369
1989 WT	1996 12 19.53465	04 00 33.42	+21 25 38.8		369
1994 PV ₂₄	1997 01 02.65961	08 39 27.64	+22 10 57.8	17.6 V	369
1994 PV ₂₄	1997 01 02.67194	08 39 27.23	+22 10 59.2		369
1994 PV ₂₄	1997 01 03.61315	08 38 53.07	+22 13 24.7	17.7 V	369
1994 PV ₂₄	1997 01 03.63275	08 38 52.37	+22 13 26.6		369

1994 PV ₂₄	1997 01 03.64096	08 38 51.99	+22 13 28.5	17.5 V	369	1996 VG ₃₀	1996 12 29.45461	03 20 57.19	+17 35 02.3	16.6 V	369
1994 PV ₂₄	1997 01 03.66572	08 38 51.09	+22 13 32.3		369	1996 VG ₃₀	1996 12 29.47987	03 20 56.98	+17 34 54.9		369
1994 PV ₂₄	1997 01 06.58343	08 37 01.46	+22 21 04.4	17.5 V	369	1996 VG ₃₀	1996 12 29.50567	03 20 56.73	+17 34 48.5		369
1994 PV ₂₄	1997 01 06.58714	08 37 01.40	+22 21 05.0		369	1996 VH ₃₉	1996 11 15.52554	03 44 09.98	+19 47 22.8	17.5 V	369
1994 PV ₂₄	1997 01 06.59087	08 37 01.25	+22 21 06.0		369	1996 VH ₃₉	1996 11 15.54156	03 44 09.33	+19 47 19.8		369
1994 PV ₂₄	1997 01 09.65286	08 35 00.93	+22 29 02.2	17.5 V	369	1996 VH ₃₉	1996 11 15.55446	03 44 08.59	+19 47 15.9		369
1994 PV ₂₄	1997 01 09.69716	08 34 59.08	+22 29 10.5		369	1996 WY ₂	1996 12 28.41329	03 17 26.34	+20 36 29.8	18.0 V	369
1994 PV ₂₄	1997 01 15.61541	08 30 55.12	+22 44 22.0	17.3 V	369	1996 WY ₂	1996 12 28.43554	03 17 26.24	+20 36 38.5		369
1994 PV ₂₄	1997 01 15.64738	08 30 53.74	+22 44 24.9		369	1996 WY ₂	1996 12 28.45440	03 17 26.08	+20 36 44.8		369
1995 TP ₃	1995 11 11.53347	01 14 43.79	+07 10 44.7	18 V	369	1996 WZ ₂	1996 12 19.55656	04 40 56.73	+24 44 32.9	17.0 V	369
1995 TP ₃	1995 11 11.53856	01 14 43.75	+07 10 43.5		369	1996 WZ ₂	1996 12 19.58312	04 40 55.03	+24 44 37.5		369
1995 TP ₃	1995 11 11.54329	01 14 43.56	+07 10 43.0		369	1996 WZ ₂	1996 12 30.52010	04 31 30.24	+25 15 52.7	17.4 V	369
1995 TP ₃	1995 11 11.54821	01 14 43.35	+07 10 42.1		369	1996 WZ ₂	1996 12 30.53840	04 31 29.41	+25 15 55.7		369
1995 TP ₃	1995 11 16.52961	01 12 02.09	+06 56 31.2	17 V	369	1996 XQ	1996 12 14.51686	03 57 39.61	+21 23 12.8	18.0 V	369
1995 TP ₃	1995 11 16.53503	01 12 01.91	+06 56 30.2		369	1996 XQ	1996 12 14.53796	03 57 38.53	+21 23 14.2		369
1995 TP ₃	1995 11 16.54153	01 12 01.64	+06 56 28.9		369	1996 XQ	1997 01 02.37098	03 47 33.05	+21 45 53.6	18.2 V	369
1995 UW ₆	1997 01 03.57587	07 28 01.11	+34 07 49.1	18.1 V	369	1996 XQ	1997 01 02.38672	03 47 32.80	+21 45 55.6		369
1995 UW ₆	1997 01 03.59752	07 27 59.79	+34 07 53.1		369	1996 XQ	1997 01 02.40183	03 47 32.53	+21 45 57.7		369
1995 UW ₆	1997 01 09.57310	07 22 04.01	+34 22 49.5	17.3 V	369	1996 XQ	1997 01 03.49833	03 47 18.40	+21 47 52.9	18.4 V	369
1995 UW ₆	1997 01 09.61579	07 22 01.38	+34 22 54.0		369	1996 XQ	1997 01 03.55038	03 47 17.65	+21 47 57.8		369
1995 UW ₆	1997 01 15.52458	07 16 09.87	+34 32 49.6	17.8 V	369	1996 XR	1996 12 14.51182	03 57 58.69	+21 15 48.4	18.0 V	369
1995 UW ₆	1997 01 15.54662	07 16 08.48	+34 32 53.7		369	1996 XR	1996 12 14.53426	03 57 57.53	+21 15 45.5		369
1995 WX ₁	1997 01 15.66804	08 51 34.61	-03 06 35.7	16.8 V	369	1996 XR	1997 01 02.37677	03 46 53.47	+20 48 43.0	18.2 V	369
1995 WX ₁	1997 01 15.69777	08 51 33.29	-03 06 37.9		I 369	1996 XR	1997 01 02.40645	03 46 52.80	+20 48 42.3		369
1996 VJ ₄	1996 12 29.44495	03 18 15.11	+15 41 19.5	18.2 V	369	1996 XR	1997 01 03.50500	03 46 31.82	+20 47 52.2	18.4 V	369
1996 VJ ₄	1996 12 29.47214	03 18 14.75	+15 41 14.0		369	1996 XR	1997 01 03.55623	03 46 30.70	+20 47 50.1		369
1996 VJ ₄	1996 12 29.49757	03 18 14.32	+15 41 06.9		369	1996 XS	1997 01 02.43241	03 49 13.57	+19 12 09.5	18.5 V	369
1996 VK ₄	1996 12 29.43236	03 11 57.88	+17 01 14.5	18.3 V	369	1996 XS	1997 01 02.45878	03 49 13.03	+19 12 02.0		369
1996 VK ₄	1996 12 29.46370	03 11 57.36	+17 01 11.1		369	1996 XT	1996 12 29.52257	03 51 15.96	+22 20 08.1	17.8 V	369
1996 VK ₄	1996 12 29.48889	03 11 56.99	+17 01 08.6		369	1996 XT	1996 12 29.53520	03 51 15.69	+22 20 11.3		369
1996 VL ₄	1996 12 29.43800	03 15 38.85	+19 07 36.1	18.1 V	369	1996 XT	1996 12 29.54766	03 51 15.33	+22 20 12.2		369
1996 VL ₄	1996 12 29.46771	03 15 38.40	+19 07 36.3		369	1996 XU	1997 01 02.43847	03 48 55.17	+19 29 35.5	18.5 V	369
1996 VL ₄	1996 12 29.49307	03 15 37.92	+19 07 35.5		369	1996 XU	1997 01 02.46397	03 48 54.61	+19 29 34.1		369
1996 VN ₄	1996 12 28.43113	03 21 56.40	+17 42 49.3	17.9 V	369	1996 XW	1996 12 28.46520	03 53 06.49	+22 17 27.8	18.0 V	369
1996 VN ₄	1996 12 28.44985	03 21 55.98	+17 42 48.0	18.0 V	I 369	1996 XW	1996 12 28.47638	03 53 06.10	+22 17 29.4		369
1996 VN ₄	1996 12 29.45089	03 21 38.40	+17 41 36.2	17.9 V	369	1996 XW	1996 12 28.48632	03 53 05.83	+22 17 31.2		369
1996 VN ₄	1996 12 29.45461	03 21 38.31	+17 41 36.6		369	1996 XX	1997 01 02.42625	03 50 40.56	+22 46 51.1	18.4 V	369
1996 VN ₄	1996 12 29.47617	03 21 37.92	+17 41 34.7		369	1996 XX	1997 01 02.45258	03 50 39.78	+22 46 54.6		369
1996 VN ₄	1996 12 29.47987	03 21 37.89	+17 41 34.1		369	1996 XN ₁	1996 12 08.65853	07 15 09.09	+23 14 30.6	16.5 V	I 369
1996 VN ₄	1996 12 29.50197	03 21 37.48	+17 41 32.4		369	1996 XN ₁	1996 12 08.67087	07 15 08.52	+23 14 33.2		369
1996 VN ₄	1996 12 29.50567	03 21 37.32	+17 41 32.2		369	1996 XN ₁	1996 12 14.65012	07 10 52.77	+23 41 52.6	17.4 V	369
1996 VO ₄	1996 12 29.42635	02 45 31.27	+29 50 41.3	17.3 V	369	1996 XN ₁	1996 12 14.65424	07 10 52.54	+23 41 53.4	17.4 V	369
1996 VO ₄	1996 12 29.45932	02 45 30.59	+29 50 55.0		369	1996 XN ₁	1996 12 14.65807	07 10 52.35	+23 41 53.7		369
1996 VO ₄	1996 12 29.48425	02 45 30.12	+29 51 04.3		369	1996 XN ₁	1996 12 14.66632	07 10 51.93	+23 41 56.8		369
1996 VO ₄	1997 01 09.44509	02 45 26.96	+31 02 18.8	17.6 V	369	1996 XO ₁	1996 12 08.66670	07 15 13.67	+23 53 26.1	17.5 V	369
1996 VO ₄	1997 01 09.45612	02 45 27.09	+31 02 22.9		369	1996 XO ₁	1996 12 08.67904	07 15 13.16	+23 53 25.0		369
1996 VO ₄	1997 01 09.46451	02 45 27.21	+31 02 27.4		369	1996 XO ₁	1996 12 14.65012	07 10 38.04	+23 46 53.3	17.2 V	369
1996 VW ₄	1996 12 19.55656	04 41 17.12	+24 37 32.6	16.5 V	369	1996 XO ₁	1996 12 14.66263	07 10 37.33	+23 46 54.0		369
1996 VW ₄	1996 12 19.58312	04 41 15.78	+24 37 35.0		369	1996 XO ₁	1996 12 19.60973	07 06 04.69	+23 41 18.2	17.6 V	369
1996 VG ₃₀	1996 12 28.40443	03 21 05.86	+17 39 30.9	16.6 V	369	1996 XO ₁	1996 12 19.61351	07 06 04.37	+23 41 16.1		369
1996 VG ₃₀	1996 12 28.43113	03 21 05.57	+17 39 24.2		369	1996 XO ₁	1996 12 19.63772	07 06 02.95	+23 41 17.4		369
1996 VG ₃₀	1996 12 28.44985	03 21 05.36	+17 39 19.2		369	1996 XO ₁	1996 12 19.64146	07 06 02.78	+23 41 15.1		369

1996 XR ₁	1996 12 08.71231	07 17 28.78	+23 31 39.4	17.0 V	369	1996 XE ₃₂	* 1996 12 14.73675	07 42 52.42	+33 01 05.7	17.2 V	369
1996 XR ₁	1996 12 08.72465	07 17 28.37	+23 31 40.6		369	1996 XE ₃₂	1996 12 14.75380	07 42 51.76	+33 01 11.0		369
1996 XR ₁	1996 12 14.68596	07 13 54.67	+23 44 15.0	16.8 V	369	1996 XE ₃₂	1996 12 19.73433	07 39 45.26	+33 22 48.7	17.1 V	369
1996 XR ₁	1996 12 14.69360	07 13 54.35	+23 44 16.5		369	1996 XE ₃₂	1996 12 19.75492	07 39 44.36	+33 22 53.5		369
1996 XR ₁	1996 12 14.70666	07 13 53.84	+23 44 18.3		369	1996 XE ₃₂	1996 12 30.56498	07 30 55.23	+34 04 05.1	17.6 V	369
1996 XR ₁	1996 12 14.71036	07 13 53.70	+23 44 18.0		369	1996 XE ₃₂	1996 12 30.57758	07 30 54.49	+34 04 07.9		369
1996 XS ₁	1996 12 08.66670	07 15 36.98	+23 45 19.6	17.7 V	369	1996 XE ₃₂	1997 01 02.59575	07 28 03.88	+34 13 24.0	17.2 V	369
1996 XS ₁	1996 12 08.67904	07 15 36.40	+23 45 19.9		369	1996 XE ₃₂	1997 01 02.61235	07 28 02.88	+34 13 27.1		369
1996 XS ₁	1996 12 14.65012	07 10 49.88	+23 46 37.6	17.6 V	369	1996 XE ₃₂	1997 01 02.62863	07 28 01.88	+34 13 29.5		369
1996 XS ₁	1996 12 14.66263	07 10 49.25	+23 46 36.3		369	1996 XE ₃₂	1997 01 03.57961	07 27 06.78	+34 16 09.2	17.2 V	369
1996 XS ₁	1996 12 19.60602	07 06 20.02	+23 47 39.0	17.9 V	369	1996 XE ₃₂	1997 01 03.60122	07 27 05.42	+34 16 13.9		369
1996 XS ₁	1996 12 19.63403	07 06 18.06	+23 47 35.2		369	1996 XE ₃₂	1997 01 06.52742	07 24 12.67	+34 23 31.6	17.2 V	369
1996 XM ₁₉	1996 12 08.69155	07 15 58.62	+23 46 09.2	17.6 V	369	1996 XE ₃₂	1997 01 06.53124	07 24 12.52	+34 23 33.7		369
1996 XM ₁₉	1996 12 08.70389	07 15 58.05	+23 46 09.7		369	1996 XE ₃₂	1997 01 06.53524	07 24 12.27	+34 23 34.3		369
1996 XB ₂₆	1996 12 29.51324	03 54 23.47	+20 10 55.2	18.1 V	369	1996 XE ₃₂	1997 01 09.57310	07 21 09.70	+34 29 47.0	17.6 V	369
1996 XB ₂₆	1996 12 29.52689	03 54 23.08	+20 10 51.3		369	1996 XE ₃₂	1997 01 09.61579	07 21 07.05	+34 29 52.5	I 369	
1996 XB ₂₆	1996 12 29.53986	03 54 22.73	+20 10 51.0		I 369	1996 XE ₃₂	1997 01 15.52458	07 15 13.53	+34 37 26.1	17.7 V	369
1996 XC ₂₆	1996 12 19.62176	07 04 26.70	+23 12 52.6	17.2 V	369	1996 XE ₃₂	1997 01 15.54662	07 15 12.18	+34 37 27.1		369
1996 XC ₂₆	1996 12 19.64891	07 04 25.11	+23 12 54.5		369	1996 XE ₃₂	1997 01 18.56786	07 12 16.98	+34 38 58.7	17.4 V	369
1996 XC ₂₆	1996 12 30.50895	06 53 31.50	+23 17 39.9	17.0 V	369	1996 XE ₃₂	1997 01 18.58532	07 12 15.96	+34 38 58.9		369
1996 XC ₂₆	1996 12 30.52976	06 53 30.10	+23 17 40.8		369	1996 XK ₃₂	* 1996 12 14.72103	07 48 14.06	+32 39 19.3	17.5 V	369
1996 XC ₂₆	1996 12 30.54694	06 53 29.01	+23 17 41.8		369	1996 XK ₃₂	1996 12 14.74133	07 48 13.00	+32 39 29.9		369
1996 XD ₂₆	1996 12 19.66517	07 11 39.71	+24 52 34.9	16.8 V	369	1996 XK ₃₂	1996 12 19.71399	07 43 41.10	+33 18 01.7	17.6 V	369
1996 XD ₂₆	1996 12 19.70022	07 11 37.82	+24 52 44.6		369	1996 XK ₃₂	1996 12 19.71774	07 43 40.70	+33 18 04.7		369
1996 XD ₂₆	1996 12 30.51517	07 00 52.25	+25 42 31.2	17.7 V	369	1996 XK ₃₂	1996 12 19.73867	07 43 39.40	+33 18 14.1	I 369	
1996 XD ₂₆	1996 12 30.53405	07 00 50.97	+25 42 37.4		369	1996 XK ₃₂	1996 12 19.74252	07 43 39.16	+33 18 16.0	I 369	
1996 XD ₂₆	1996 12 30.55108	07 00 49.85	+25 42 41.5		369	1996 YB	1996 12 29.75826	07 39 54.42	+23 52 19.0	17.0 V	369
1996 XZ ₃₁	* 1996 12 08.58398	07 09 42.94	+23 06 14.8	17.5 V	369	1996 YB	1996 12 29.77060	07 39 53.75	+23 52 23.0		369
1996 XZ ₃₁	1996 12 08.59632	07 09 42.40	+23 06 17.1		369	1996 YB	1996 12 30.62476	07 39 10.09	+23 57 51.0	16.7 V	369
1996 XZ ₃₁	1996 12 14.60258	07 04 34.74	+23 35 22.1	17.9 V	369	1996 YB	1996 12 30.64014	07 39 09.26	+23 57 56.7		369
1996 XZ ₃₁	1996 12 14.61457	07 04 34.10	+23 35 25.7		369	1996 YC	1996 12 29.67980	07 36 29.05	+23 17 21.8	16.7 V	369
1996 XZ ₃₁	1996 12 19.56935	06 59 35.81	+24 00 22.3	17.5 V	369	1996 YC	1996 12 29.69214	07 36 28.03	+23 17 12.0		369
1996 XZ ₃₁	1996 12 19.59137	06 59 34.33	+24 00 28.9		369	1996 YC	1996 12 30.61281	07 35 13.63	+23 05 12.5	16.8 V	369
1996 XZ ₃₁	1996 12 30.52473	06 46 58.32	+24 55 15.7	16.7 V	369	1996 YC	1996 12 30.62851	07 35 12.30	+23 05 00.1		369
1996 XZ ₃₁	1996 12 30.54265	06 46 57.00	+24 55 20.9		369	1996 YC	1996 12 30.64391	07 35 11.02	+23 04 48.3		369
1996 XA ₃₂	* 1996 12 14.55082	04 05 23.08	+21 43 57.5	17.5 V	369	1996 YO ₂	* 1996 12 28.40443	03 21 16.11	+17 47 28.8	17.5 V	369
1996 XA ₃₂	1996 12 14.57656	04 05 21.58	+21 43 52.3		369	1996 YO ₂	1996 12 28.43113	03 21 15.65	+17 47 29.9		369
1996 XA ₃₂	1996 12 19.50638	04 00 57.13	+21 27 54.5	17.6 V	369	1996 YO ₂	1996 12 28.44985	03 21 15.26	+17 47 29.8		369
1996 XA ₃₂	1996 12 19.53465	04 00 55.57	+21 27 49.6		369	1996 YO ₂	1996 12 29.45089	03 20 58.15	+17 47 41.0	17.5 V	369
1996 XA ₃₂	1996 12 29.51693	03 54 00.61	+20 59 55.6	17.8 V	I 369	1996 YO ₂	1996 12 29.47617	03 20 57.70	+17 47 41.7		369
1996 XA ₃₂	1996 12 29.53100	03 54 00.18	+20 59 54.1		369	1996 YO ₂	1996 12 29.50197	03 20 57.22	+17 47 41.4		369
1996 XA ₃₂	1996 12 29.54359	03 53 59.70	+20 59 51.7		369	1996 YQ ₂	1996 12 29.75826	07 40 28.02	+23 47 23.5	17.0 V	369
1996 XA ₃₂	1997 01 02.42009	03 52 08.07	+20 51 14.4	17.9 V	369	1996 YQ ₂	1996 12 29.77060	07 40 27.22	+23 47 28.3		369
1996 XA ₃₂	1997 01 02.44499	03 52 07.44	+20 51 10.3		369	1996 YQ ₂	1996 12 30.60003	07 39 36.82	+23 52 37.8	17.0 V	369
1996 XD ₃₂	* 1996 12 14.72103	07 47 43.39	+32 37 18.6	16.5 V	369	1996 YQ ₂	1996 12 30.60770	07 39 36.32	+23 52 42.2		369
1996 XD ₃₂	1996 12 14.74133	07 47 42.60	+32 37 30.0		369	1996 YQ ₂	1996 12 30.61719	07 39 35.73	+23 52 44.2		369
1996 XD ₃₂	1996 12 19.71399	07 44 23.53	+33 27 50.5	16.5 V	369	1996 YQ ₂	1996 12 30.62476	07 39 35.23	+23 52 47.6		369
1996 XD ₃₂	1996 12 19.71774	07 44 23.35	+33 27 52.4		369	1996 YQ ₂	1996 12 30.63279	07 39 34.72	+23 52 50.3		369
1996 XD ₃₂	1996 12 19.73867	07 44 22.35	+33 28 05.2		369	1996 YQ ₂	1996 12 30.64014	07 39 34.23	+23 52 53.0		369
1996 XD ₃₂	1996 12 19.74252	07 44 22.15	+33 28 07.5		369	1996 YV ₂	* 1996 12 29.57233	07 28 49.99	+23 36 10.8	17.4 V	369
1996 XD ₃₂	1996 12 30.57375	07 34 41.74	+35 14 43.5	16.5 V	369	1996 YV ₂	1996 12 29.58466	07 28 49.22	+23 36 11.0		369
1996 XD ₃₂	1996 12 30.58554	07 34 40.95	+35 14 52.0		369	1996 YV ₂	1996 12 29.59700	07 28 48.46	+23 36 10.9		369

1996 YV ₂	1996 12 30.65994	07 27 44.48	+23 35 44.4	17.6 V	I 369	1996 YC ₃	* 1996 12 30.51517	07 01 16.11	+25 36 16.9	18.0 V	369
1996 YV ₂	1996 12 30.67513	07 27 43.44	+23 35 43.9		369	1996 YC ₃	1996 12 30.53405	07 01 14.72	+25 36 18.7		369
1996 YV ₂	1997 01 02.53774	07 24 46.09	+23 34 18.4	17.4 V	369	1996 YC ₃	1996 12 30.55108	07 01 13.61	+25 36 19.9		369
1996 YV ₂	1997 01 02.55594	07 24 44.85	+23 34 17.9		369	1996 YC ₃	1997 01 02.56510	06 57 46.92	+25 37 19.0	17.7 V	369
1996 YV ₂	1997 01 06.51308	07 20 29.11	+23 31 52.5	17.3 V	369	1996 YC ₃	1997 01 02.58209	06 57 45.68	+25 37 22.6		369
1996 YV ₂	1997 01 06.51676	07 20 28.74	+23 31 51.5		369	1996 YC ₃	1997 01 06.49025	06 53 20.55	+25 37 52.5	17.9 V	369
1996 YV ₂	1997 01 09.62014	07 17 04.42	+23 29 28.4	17.2 V	369	1996 YC ₃	1997 01 06.49397	06 53 20.20	+25 37 52.8		369
1996 YW ₂	* 1996 12 29.60543	07 31 51.09	+23 21 08.8	16.3 V	369	1996 YC ₃	1997 01 06.49766	06 53 20.01	+25 37 52.2		369
1996 YW ₂	1996 12 29.61777	07 31 50.20	+23 21 09.4		369	1996 YD ₃	* 1996 12 30.56498	07 31 35.95	+34 11 26.9	17.8 V	369
1996 YW ₂	1996 12 29.63010	07 31 49.32	+23 21 10.2		369	1996 YD ₃	1996 12 30.57758	07 31 35.22	+34 11 28.4		369
1996 YW ₂	1996 12 30.65610	07 30 38.12	+23 21 59.9	16.9 V	369	1996 YD ₃	1996 12 30.58965	07 31 34.53	+34 11 30.2		369
1996 YW ₂	1996 12 30.67145	07 30 37.02	+23 22 00.5		369	1996 YD ₃	1997 01 02.59575	07 28 37.97	+34 16 26.8	17.7 V	369
1996 YW ₂	1997 01 02.62061	07 27 08.10	+23 24 13.1	16.5 V	369	1996 YD ₃	1997 01 02.62863	07 28 36.07	+34 16 28.6		369
1996 YW ₂	1997 01 02.63664	07 27 06.91	+23 24 13.6		369	1996 YD ₃	1997 01 06.52742	07 24 41.39	+34 21 21.3	17.8 V	369
1996 YW ₂	1997 01 18.54458	07 07 56.24	+23 29 23.0	16.7 V	369	1996 YD ₃	1997 01 06.53124	07 24 41.24	+34 21 23.1		369
1996 YW ₂	1997 01 18.55513	07 07 55.48	+23 29 22.6		369	1996 YD ₃	1997 01 06.53524	07 24 40.96	+34 21 23.8		369
1996 YX ₂	* 1996 12 29.60543	07 32 04.09	+23 16 53.1	17.7 V	369	1996 YD ₃	1997 01 09.57310	07 21 35.67	+34 23 53.7	17.6 V	369
1996 YX ₂	1996 12 29.61777	07 32 03.46	+23 16 55.3		369	1996 YD ₃	1997 01 09.61579	07 21 33.01	+34 23 56.3		369
1996 YX ₂	1996 12 29.63010	07 32 02.78	+23 16 56.3		369	1996 YD ₃	1997 01 15.52458	07 15 35.14	+34 25 22.1	17.5 V	369
1996 YX ₂	1996 12 30.65610	07 31 11.16	+23 19 16.4	17.7 V	369	1996 YD ₃	1997 01 15.54662	07 15 33.95	+34 25 19.5		369
1996 YX ₂	1996 12 30.67145	07 31 10.35	+23 19 18.6		369	1996 YD ₃	1997 01 18.57226	07 12 35.63	+34 24 17.1	17.5 V	369
1996 YX ₂	1997 01 02.61627	07 28 38.58	+23 25 57.9	17.6 V	369	1996 YD ₃	1997 01 18.58951	07 12 34.47	+34 24 16.5		369
1996 YX ₂	1997 01 02.63271	07 28 37.67	+23 25 59.0		369	1997 AM	1997 01 02.67628	08 40 05.16	+21 30 28.5	17.5 V	369
1996 YX ₂	1997 01 09.55985	07 22 27.13	+23 40 53.5	17.4 V	369	1997 AM	1997 01 02.68862	08 40 04.56	+21 30 33.1		369
1996 YX ₂	1997 01 09.60756	07 22 24.47	+23 40 59.3		369	1997 AM	1997 01 03.61828	08 39 23.31	+21 35 12.6	17.4 V	369
1996 YY ₂	* 1996 12 29.64670	07 33 51.16	+23 31 11.9	17.0 V	369	1997 AM	1997 01 03.63719	08 39 22.45	+21 35 17.8		369
1996 YY ₂	1996 12 29.65904	07 33 50.52	+23 31 13.4		369	1997 AM	1997 01 06.59462	08 37 02.64	+21 50 24.5	17.4 V	369
1996 YY ₂	1996 12 29.67138	07 33 49.84	+23 31 15.3		369	1997 AM	1997 01 06.59840	08 37 02.48	+21 50 26.3		369
1996 YY ₂	1996 12 30.65244	07 32 58.15	+23 33 51.3	17.0 V	369	1997 AM	1997 01 06.60215	08 37 02.27	+21 50 26.6		369
1996 YY ₂	1996 12 30.66767	07 32 57.32	+23 33 54.3		I 369	1997 AM	1997 01 09.65669	08 34 25.68	+22 06 20.2	17.4 V	369
1996 YY ₂	1997 01 02.59167	07 30 20.29	+23 41 34.1	16.9 V	369	1997 AM	1997 01 09.70981	08 34 22.66	+22 06 39.2		369
1996 YY ₂	1997 01 02.62476	07 30 18.42	+23 41 38.8		369	1997 AM	1997 01 15.62839	08 28 52.20	+22 37 33.4	17.5 V	369
1996 YY ₂	1997 01 15.54152	07 18 26.82	+24 12 12.2	16.9 V	369	1997 AM	1997 01 15.65992	08 28 50.35	+22 37 43.9		369
1996 YY ₂	1997 01 15.56138	07 18 25.72	+24 12 15.1		369	1997 AA ₁	1997 01 15.56796	07 59 43.96	+23 15 34.7	16.8 V	369
1996 YA ₃	* 1996 12 30.50226	06 47 05.00	+24 47 28.0	17.5 V	369	1997 AA ₁	1997 01 15.58343	07 59 43.12	+23 15 36.8		369
1996 YA ₃	1996 12 30.54265	06 47 02.21	+24 47 33.6		369	1997 AA ₁	1997 01 15.59697	07 59 42.32	+23 15 39.9		369
1996 YA ₃	1997 01 02.48088	06 43 38.41	+24 53 08.3	17.5 V	369	1997 AA ₁	1997 01 18.60530	07 57 00.89	+23 23 41.4	16.9 V	369
1996 YA ₃	1997 01 02.48971	06 43 37.74	+24 53 10.6		369	1997 AA ₁	1997 01 18.62319	07 56 59.84	+23 23 45.3		369
1996 YA ₃	1997 01 03.52609	06 42 25.90	+24 55 00.3	17.5 V	369	1997 AA ₁	1997 01 18.64119	07 56 58.87	+23 23 50.1		369
1996 YA ₃	1997 01 03.53628	06 42 25.18	+24 55 01.9		369	1997 AC ₁	* 1997 01 02.68446	08 40 14.13	+22 14 04.9	17.8 V	369
1996 YA ₃	1997 01 03.54503	06 42 24.54	+24 55 03.2		369	1997 AC ₁	1997 01 02.69679	08 40 13.68	+22 14 07.4		369
1996 YA ₃	1997 01 09.49025	06 35 41.61	+25 04 16.5	17.7 V	369	1997 AC ₁	1997 01 03.61315	08 39 29.02	+22 17 44.5	17.8 V	369
1996 YA ₃	1997 01 09.49916	06 35 41.05	+25 04 17.6		369	1997 AC ₁	1997 01 03.63275	08 39 28.10	+22 17 49.1		369
1996 YA ₃	1997 01 09.50760	06 35 40.47	+25 04 19.4		369	1997 AC ₁	1997 01 06.58343	08 36 56.79	+22 29 34.5	17.8 V	369
1996 YB ₃	* 1996 12 30.50226	06 47 36.99	+24 58 17.8	17.0 V	369	1997 AC ₁	1997 01 06.58714	08 36 56.56	+22 29 37.6		369
1996 YB ₃	1996 12 30.52473	06 47 35.62	+24 58 13.7		369	1997 AC ₁	1997 01 06.59087	08 36 56.30	+22 29 38.5		369
1996 YB ₃	1996 12 30.54265	06 47 34.51	+24 58 10.9		369	1997 AC ₁	1997 01 09.66081	08 34 07.72	+22 42 00.7	17.6 V	369
1996 YB ₃	1997 01 02.48593	06 44 42.24	+24 48 55.4	17.1 V	369	1997 AC ₁	1997 01 09.71373	08 34 04.64	+22 42 14.7		369
1996 YB ₃	1997 01 02.49479	06 44 41.74	+24 48 52.5		369	1997 AC ₁	1997 01 15.62422	08 28 15.20	+23 05 56.9	17.7 V	369
1996 YB ₃	1997 01 03.53144	06 43 41.12	+24 45 32.6	17.0 V	369	1997 AC ₁	1997 01 15.65600	08 28 13.16	+23 06 05.5		369
1996 YB ₃	1997 01 03.54134	06 43 40.55	+24 45 30.6		369	1997 AH ₁	* 1997 01 02.70931	08 42 19.50	+22 14 05.9	18.2 V	369
1996 YB ₃	1997 01 09.50372	06 37 58.64	+24 25 30.7	17.1 V	369	1997 AH ₁	1997 01 02.72164	08 42 19.04	+22 14 11.3		369

1997 AH ₁	1997 01 03.66053	08 41 37.48	+22 20 13.5	18.1 V	369	1997 AE ₅	1997 01 06.66446	08 41 04.49	+22 35 58.3		369
1997 AH ₁	1997 01 03.68163	08 41 36.62	+22 20 20.3		369	1997 AE ₅	1997 01 09.64406	08 37 51.67	+22 34 13.1	17.7 V	369
1997 AH ₁	1997 01 06.60701	08 39 19.20	+22 39 19.7	18.1 V	369	1997 AE ₅	1997 01 09.68788	08 37 48.72	+22 34 10.0		369
1997 AH ₁	1997 01 06.61083	08 39 19.00	+22 39 22.1		369	1997 AE ₅	1997 01 18.66045	08 27 24.17	+22 27 01.2	17.7 V	369
1997 AH ₁	1997 01 06.63576	08 39 17.66	+22 39 31.3		369	1997 AE ₅	1997 01 18.68317	08 27 22.48	+22 27 00.7		369
1997 AH ₁	1997 01 15.69313	08 31 07.00	+23 39 57.7	18.0 V	369	1997 AE ₅	1997 01 18.70542	08 27 20.86	+22 26 58.7		369
1997 AH ₁	1997 01 15.72351	08 31 05.14	+23 40 11.4		369	1997 AF ₅	* 1997 01 03.65235	08 44 27.11	+22 34 50.3	18.1 V	369
1997 AM ₁	* 1997 01 02.73416	08 45 14.25	+22 26 14.5	18.0 V	369	1997 AF ₅	1997 01 03.67398	08 44 25.88	+22 34 58.9		369
1997 AM ₁	1997 01 02.74649	08 45 13.52	+22 26 17.1		369	1997 AF ₅	1997 01 06.61990	08 41 47.93	+22 55 03.2	18.0 V	369
1997 AM ₁	1997 01 03.65235	08 44 30.97	+22 31 26.4	18.1 V	369	1997 AF ₅	1997 01 06.66057	08 41 45.64	+22 55 21.2		369
1997 AM ₁	1997 01 03.67398	08 44 29.91	+22 31 33.7		369	1997 AF ₅	1997 01 09.63619	08 38 54.52	+23 15 47.7	17.9 V	369
1997 AM ₁	1997 01 06.61617	08 42 02.08	+22 48 28.5	18.1 V	369	1997 AF ₅	1997 01 09.67963	08 38 51.85	+23 16 06.0		369
1997 AM ₁	1997 01 06.64046	08 42 01.14	+22 48 35.1		369	1997 AF ₅	1997 01 15.68534	08 32 38.10	+23 57 11.4	17.8 V	369
1997 AM ₁	1997 01 09.63619	08 39 17.04	+23 06 00.8	17.9 V	369	1997 AF ₅	1997 01 15.71556	08 32 36.13	+23 57 23.8		369
1997 AM ₁	1997 01 09.67963	08 39 14.50	+23 06 17.4		369	1997 AG ₅	* 1997 01 03.76966	10 45 59.48	+08 25 30.8	16.8 V	369
1997 AM ₁	1997 01 15.68082	08 33 16.48	+23 40 46.6	17.7 V	369	1997 AG ₅	1997 01 03.78200	10 45 59.79	+08 25 31.8		369
1997 AM ₁	1997 01 15.71083	08 33 14.47	+23 40 58.6		369	1997 AG ₅	1997 01 03.79434	10 46 00.11	+08 25 32.9		369
1997 AS ₁	* 1997 01 02.80053	08 50 33.59	+21 44 42.4	17.8 V	369	1997 AG ₅	1997 01 06.65044	10 47 14.26	+08 30 04.2	16.6 V	369
1997 AS ₁	1997 01 02.81287	08 50 33.08	+21 44 45.2		369	1997 AG ₅	1997 01 06.68338	10 47 14.94	+08 30 08.5		369
1997 AS ₁	1997 01 03.64836	08 49 58.60	+21 47 08.2	17.8 V	369	1997 AH ₅	* 1997 01 03.81094	10 47 36.81	+08 38 31.1	17.0 V	369
1997 AS ₁	1997 01 03.67008	08 49 57.69	+21 47 12.1		369	1997 AH ₅	1997 01 03.82328	10 47 36.94	+08 38 28.6		369
1997 AZ ₄	* 1997 01 02.42625	03 50 18.89	+22 46 01.9	17.8 V	369	1997 AH ₅	1997 01 03.83561	10 47 37.14	+08 38 28.3		369
1997 AZ ₄	1997 01 02.45258	03 50 18.24	+22 45 58.3		369	1997 AH ₅	1997 01 06.64594	10 48 15.73	+08 32 47.0	17.5 V	369
1997 AZ ₄	1997 01 06.40017	03 48 57.39	+22 36 14.5	17.8 V	369	1997 AH ₅	1997 01 06.67904	10 48 15.98	+08 32 45.8		369
1997 AZ ₄	1997 01 06.42317	03 48 56.99	+22 36 11.9		369	1997 AU ₆	* 1997 01 06.70019	09 37 41.50	+14 43 51.9	17.0 V	369
1997 AZ ₄	1997 01 06.44045	03 48 56.58	+22 36 07.3		369	1997 AU ₆	1997 01 06.71252	09 37 41.24	+14 43 56.7		369
1997 AZ ₄	1997 01 09.43756	03 48 12.65	+22 29 34.1	17.7 V	369	1997 AU ₆	1997 01 06.72486	09 37 40.78	+14 43 57.2		369
1997 AZ ₄	1997 01 09.47823	03 48 12.07	+22 29 30.0		369	1997 AU ₆	1997 01 09.73172	09 36 09.01	+14 54 52.5	16.9 V	369
1997 AA ₅	* 1997 01 02.70113	08 42 51.19	+21 38 15.8	18.2 V	369	1997 AU ₆	1997 01 09.74832	09 36 08.44	+14 54 57.8		369
1997 AA ₅	1997 01 02.71347	08 42 50.69	+21 38 18.6		369	1997 AU ₆	1997 01 15.73699	09 32 31.00	+15 19 26.4	17.0 V	I 369
1997 AA ₅	1997 01 06.63172	08 40 16.43	+21 59 16.1	18.0 V	369	1997 AU ₆	1997 01 15.74866	09 32 30.56	+15 19 29.1		369
1997 AA ₅	1997 01 06.67296	08 40 14.60	+21 59 29.4		369	1997 AU ₆	1997 01 18.72898	09 30 27.09	+15 32 47.4	17.0 V	369
1997 AA ₅	1997 01 09.64032	08 37 58.40	+22 16 04.7	17.7 V	369	1997 AU ₆	1997 01 18.74211	09 30 26.58	+15 32 49.1		369
1997 AA ₅	1997 01 09.68383	08 37 56.16	+22 16 20.4		369	1997 AU ₆	1997 01 18.75487	09 30 25.96	+15 32 52.6		369
1997 AA ₅	1997 01 15.68912	08 32 39.31	+22 50 38.8	17.7 V	369	1997 AV ₆	* 1997 01 06.73329	09 39 51.11	+14 19 25.3	17.7 V	369
1997 AA ₅	1997 01 15.71958	08 32 37.52	+22 50 49.3		369	1997 AV ₆	1997 01 06.74563	09 39 50.82	+14 19 28.7		369
1997 AB ₅	* 1997 01 03.56465	07 33 37.31	+34 01 27.5	16.5 V	369	1997 AV ₆	1997 01 06.75796	09 39 50.57	+14 19 32.8		369
1997 AB ₅	1997 01 03.58582	07 33 35.83	+34 01 33.1		369	1997 AV ₆	1997 01 09.72772	09 38 36.82	+14 35 56.5	17.8 V	369
1997 AB ₅	1997 01 06.55450	07 30 14.33	+34 13 01.9	16.5 V	369	1997 AV ₆	1997 01 09.74441	09 38 36.39	+14 36 01.0		369
1997 AB ₅	1997 01 06.55817	07 30 14.04	+34 13 03.6		369	1997 AV ₆	1997 01 15.73323	09 35 17.57	+15 13 48.2	17.7 V	369
1997 AB ₅	1997 01 06.56188	07 30 13.83	+34 13 04.4		369	1997 AV ₆	1997 01 15.74490	09 35 17.05	+15 13 52.7		369
1997 AB ₅	1997 01 06.56688	07 30 13.57	+34 13 03.2		369	1997 AT ₁₈	1997 01 06.55450	07 29 25.53	+34 20 53.5	17.0 V	369
1997 AB ₅	1997 01 09.55323	07 26 46.71	+34 22 42.5	17.4 V	369	1997 AT ₁₈	1997 01 06.55817	07 29 25.31	+34 20 53.2		369
1997 AB ₅	1997 01 09.60306	07 26 43.10	+34 22 51.7		369	1997 AT ₁₈	1997 01 06.56188	07 29 25.07	+34 20 54.5		369
1997 AB ₅	1997 01 15.53608	07 19 55.38	+34 35 35.7	16.5 V	369	1997 AT ₁₈	1997 01 06.56688	07 29 24.78	+34 20 54.4	17.0 V	369
1997 AD ₅	* 1997 01 03.57208	07 29 24.64	+34 02 03.0	18.0 V	369	1997 AT ₁₈	1997 01 06.57059	07 29 24.49	+34 20 54.2		369
1997 AD ₅	1997 01 03.59389	07 29 23.02	+34 02 05.2		I 369	1997 AT ₁₈	1997 01 06.57434	07 29 24.31	+34 20 54.6		369
1997 AD ₅	1997 01 06.54144	07 25 42.57	+34 07 11.2	18.1 V	369	1997 AT ₁₈	* 1997 01 09.55323	07 26 23.47	+34 23 19.5	17.5 V	369
1997 AD ₅	1997 01 06.54520	07 25 42.26	+34 07 11.6		369	1997 AT ₁₈	1997 01 09.60306	07 26 20.33	+34 23 21.3		369
1997 AE ₅	* 1997 01 03.65235	08 44 08.68	+22 37 39.8	17.9 V	369	1997 AT ₁₈	1997 01 15.53204	07 20 22.02	+34 24 26.9	16.4 V	369
1997 AE ₅	1997 01 03.67398	08 44 07.35	+22 37 38.5		369	1997 AT ₁₈	1997 01 15.55208	07 20 20.81	+34 24 26.6		I 369
1997 AE ₅	1997 01 06.62400	08 41 07.10	+22 36 00.0	17.8 V	369	1997 AT ₁₈	1997 01 18.60076	07 17 21.34	+34 23 05.0	17.1 V	369

1997 AT ₁₈	1997 01 18.61394	07 17 20.56	+34 23 03.9		369	(1430)	1997 01 09.74000	09 41 39.44	+15 06 04.7		369
1997 AT ₁₈	1997 01 18.63251	07 17 19.45	+34 23 03.2		369	(2492)	1996 12 19.62547	07 03 34.72	+23 45 15.0	16.2 V	369
1997 AU ₁₈	* 1997 01 09.63619	08 38 21.13	+23 18 08.8	17.7 V	369	(2492)	1996 12 19.65270	07 03 33.37	+23 45 17.3		369
1997 AU ₁₈	1997 01 09.67963	08 38 18.73	+23 18 29.0		369	(2591)	1996 12 29.75826	07 40 09.54	+23 35 13.0	16.0 V	369
1997 AU ₁₈	1997 01 15.68534	08 32 43.08	+24 04 24.8	17.3 V	369	(2591)	1996 12 30.62109	07 39 24.92	+23 37 00.7	16.0 V	369
1997 AU ₁₈	1997 01 15.71556	08 32 41.22	+24 04 38.6		369	(3065)	1996 12 29.64670	07 34 00.10	+23 42 35.3	15.3 V	369
1997 AU ₁₈	1997 01 18.65102	08 29 45.00	+24 26 49.5	17.3 V	369	(3065)	1996 12 30.64878	07 33 02.56	+23 43 14.7	15.5 V	369
1997 AU ₁₈	1997 01 18.67390	08 29 43.53	+24 26 59.5		369	(3065)	1997 01 02.59167	07 30 09.20	+23 45 02.1	15.5 V	369
1997 AU ₁₈	1997 01 18.69728	08 29 42.01	+24 27 10.4		369	(3065)	1997 01 02.62476	07 30 07.15	+23 45 03.2		369
1997 AV ₁₈	* 1997 01 09.64032	08 38 05.58	+22 13 49.9	18.0 V	369	(3286)	1997 01 02.65961	08 38 31.25	+22 08 05.6	15.5 V	369
1997 AV ₁₈	1997 01 09.68383	08 38 02.59	+22 14 42.4		369	(3286)	1997 01 02.67194	08 38 30.74	+22 08 12.1		369
1997 AV ₁₈	1997 01 15.60318	08 31 00.91	+24 15 04.3	17.7 V	369	(3539)	1997 01 03.76966	10 45 39.18	+08 20 10.5	16.7 V	369
1997 AV ₁₈	1997 01 15.63326	08 30 58.60	+24 15 42.0		369	(3539)	1997 01 03.78200	10 45 39.23	+08 20 13.1		369
1997 AV ₁₈	1997 01 18.66464	08 27 05.57	+25 16 58.2	17.7 V	369	(3539)	1997 01 03.79434	10 45 39.25	+08 20 15.7		369
1997 AV ₁₈	1997 01 18.68773	08 27 03.74	+25 17 26.4		369	(3539)	1997 01 06.65420	10 45 45.05	+08 31 26.8	16.4 V	369
1997 AV ₁₈	1997 01 18.70984	08 27 01.84	+25 17 53.3		369	(3539)	1997 01 06.68723	10 45 44.96	+08 31 35.8		369
1997 AW ₁₈	* 1997 01 09.64846	08 36 36.92	+23 26 51.8	16.7 V	369	(6643)	1997 01 18.66929	08 27 04.53	+23 37 10.8	16.4 V	369
1997 AW ₁₈	1997 01 09.69235	08 36 34.12	+23 26 54.7		369	(6643)	1997 01 18.69222	08 27 03.21	+23 37 16.7		369
1997 AW ₁₈	1997 01 15.61156	08 30 10.69	+23 33 55.5	16.5 V	369	(6643)	1997 01 18.71398	08 27 01.92	+23 37 20.5		369
1997 AW ₁₈	1997 01 15.64328	08 30 08.50	+23 33 55.6		369						
1997 AW ₁₈	1997 01 18.66929	08 26 38.96	+23 36 49.0	16.5 V	369	372 Geisei					
1997 AW ₁₈	1997 01 18.69222	08 26 37.29	+23 36 49.5		369	T. Seki, Kamimachi 2-9-35, Kochi 780, Japan					
1997 AW ₁₈	1997 01 18.71398	08 26 35.73	+23 36 51.5		369	0.60-m $f/3.5$ reflector					
1997 AZ ₂₁	* 1997 01 06.77865	09 42 19.22	+15 07 29.1	17.8 V	369	ACRS, GSC					
1997 AZ ₂₁	1997 01 06.79098	09 42 18.97	+15 07 31.3		369	1995 QD ₁₀	1995 08 31.69444	23 55 01.26	-13 10 15.2	17.5	372
1997 AZ ₂₁	1997 01 06.80332	09 42 18.59	+15 07 32.9		369	1995 QD ₁₀	1995 08 31.70347	23 55 01.17	-13 10 17.7		372
1997 AZ ₂₁	1997 01 09.72373	09 40 54.97	+15 15 00.1	17.8 V	369	1996 VL ₇	1996 11 19.67847	03 40 58.10	+12 08 27.3	17 V	372
1997 AZ ₂₁	1997 01 09.73623	09 40 54.61	+15 15 08.4		369	1996 XP ₂₅	1996 12 11.54375	03 57 52.36	+09 59 50.9	18.5 V	372
1997 AZ ₂₁	1997 01 09.74000	09 40 54.43	+15 15 07.8		369	1996 XQ ₂₅	1996 12 11.57222	03 59 58.53	+09 58 18.4	17 V	372
1997 AZ ₂₁	1997 01 15.72877	09 37 32.87	+15 32 44.8	17.5 V	369	1996 XQ ₂₅	1996 12 11.58090	03 59 58.11	+09 58 20.4		372
1997 AZ ₂₁	1997 01 15.74108	09 37 32.31	+15 32 49.0		369	1996 XQ ₂₅	1996 12 14.58403	03 57 56.47	+10 10 22.3	17.5 V	372
1997 AZ ₂₁	1997 01 18.72012	09 35 38.76	+15 42 29.0	17.8 V	369	1996 XQ ₂₅	1996 12 14.59097	03 57 56.15	+10 10 25.2		372
1997 AZ ₂₁	1997 01 18.73409	09 35 38.18	+15 42 31.4		369	1996 XR ₂₅	1996 12 12.51181	04 31 36.09	+14 15 27.0	16.5 V	372
1997 AZ ₂₁	1997 01 18.74662	09 35 37.61	+15 42 32.6		369	1996 XU ₃₂	* 1996 12 11.51563	04 32 08.32	+14 32 49.0	18 V	372
1997 AA ₂₂	* 1997 01 09.57310	07 22 20.41	+34 29 18.3	17.0 V	369	1996 XU ₃₂	1996 12 11.52465	04 32 08.12	+14 32 48.2		372
1997 AA ₂₂	1997 01 09.61579	07 22 17.57	+34 29 16.3		369	1996 XU ₃₂	1996 12 12.51181	04 31 04.65	+14 32 30.3	17.5 V	372
1997 AA ₂₂	1997 01 15.52458	07 16 03.16	+34 23 19.2	17.5 V	369						
1997 AA ₂₂	1997 01 15.54662	07 16 01.78	+34 23 17.6		369	376 Uenohara					
1997 AA ₂₂	1997 01 18.55962	07 12 57.99	+34 18 12.4	17.5 V	369	N. Kawasato, 3-11-10, Hana-Koganei, Kodaira, Tokyo, 187 Japan					
1997 AA ₂₂	1997 01 18.57737	07 12 57.03	+34 18 09.6		369	0.30-m reflector + CCD					
1997 AB ₂₂	* 1997 01 15.61969	08 30 11.67	+24 35 06.4	17.8 V	369	GSC					
1997 AB ₂₂	1997 01 15.65198	08 30 10.01	+24 35 27.3		369	1988 VJ ₂	1996 10 21.63015	02 29 15.25	+14 30 40.3		376
1997 AB ₂₂	1997 01 18.65595	08 27 39.60	+25 05 13.8	18.0 V	369	1988 VJ ₂	1996 10 21.64179	02 29 14.88	+14 30 33.9		376
1997 AB ₂₂	1997 01 18.67865	08 27 38.43	+25 05 26.9		369	1988 VJ ₂	1996 10 21.65131	02 29 14.58	+14 30 27.2		376
1997 AB ₂₂	1997 01 18.70117	08 27 37.25	+25 05 41.2		369	1988 VK ₂	1996 10 05.64375	02 37 37.79	+05 06 52.3		376
4586 P-L	1996 12 19.60973	07 05 08.20	+23 44 05.3	16.8 V	369	1988 VK ₂	1996 10 05.65645	02 37 37.27	+05 06 51.3		376
4586 P-L	1996 12 19.61351	07 05 08.09	+23 44 05.9		369	1988 VK ₂	1996 10 05.66902	02 37 36.77	+05 06 49.0		376
4586 P-L	1996 12 19.63772	07 05 06.85	+23 44 08.3		369	1988 VK ₂	1996 10 21.65985	02 24 41.95	+04 30 39.7		376
4586 P-L	1996 12 19.64146	07 05 06.65	+23 44 08.3		369	1988 VK ₂	1996 10 21.58267	02 24 41.21	+04 30 38.5		376
(1239)	1996 12 29.59700	07 29 01.78	+23 31 44.0	14.5 V	369	1988 VK ₂	1996 10 21.59145	02 24 40.68	+04 30 37.5		376
(1430)	1997 01 09.72373	09 41 40.11	+15 06 02.1	16.8 V	369	1989 AG	1996 10 05.61802	02 14 00.37	-06 30 12.3		376
(1430)	1997 01 09.73623	09 41 39.59	+15 06 03.7		369	1989 AG	1996 10 05.63032	02 13 59.81	-06 30 16.6		376
						1989 AG	1996 10 21.60054	02 00 27.74	-07 40 54.8		376

1989 AG	1996 10 21.61297	02 00 27.03	−07 40 57.2	376	
1989 AG	1996 10 21.62282	02 00 26.48	−07 40 58.8	376	
1992 VD	1996 10 05.54825	00 45 56.36	−01 04 58.5	376	
1992 VD	1996 10 05.56028	00 45 55.70	−01 05 01.6	376	
1992 VD	1996 10 05.60716	00 45 53.22	−01 05 14.6	376	
1997 AO ₆	* 1997 01 03.48714	07 02 39.38	+24 32 53.8	376	18.0 V
1997 AO ₆	1997 01 03.55098	07 02 34.81	+24 33 15.7	376	
1997 AO ₆	1997 01 03.56722	07 02 33.63	+24 33 17.3	376	
1997 AO ₆	1997 01 06.49346	06 59 12.50	+24 47 19.9	376	
1997 AO ₆	1997 01 06.55497	06 59 08.00	+24 47 38.0	376	
1997 AO ₆	1997 01 06.57039	06 59 06.88	+24 47 42.8	376	
1997 AO ₆	1997 01 10.51573	06 54 37.54	+25 05 40.4	376	
1997 AO ₆	1997 01 10.60426	06 54 31.17	+25 06 02.9	376	
1997 AP ₆	* 1997 01 03.57934	07 24 16.63	+07 11 49.6	376	17.4 V
1997 AP ₆	1997 01 03.59141	07 24 15.98	+07 11 53.9	376	
1997 AP ₆	1997 01 06.51985	07 21 35.63	+07 27 22.4	376	
1997 AP ₆	1997 01 06.53225	07 21 34.91	+07 27 25.9	376	
1997 AP ₆	1997 01 06.58353	07 21 31.98	+07 27 42.2	376	
1997 AM ₁₃	1997 01 10.68184	09 16 16.70	+27 46 03.0	376	17.5 V
1997 AM ₁₃	1997 01 10.68990	09 16 16.34	+27 46 06.5	376	
1997 AM ₁₃	1997 01 16.71816	09 11 08.09	+28 29 27.3	376	
1997 AM ₁₃	1997 01 16.73021	09 11 07.40	+28 29 32.4	376	
1997 AL ₂₁	* 1997 01 10.66436	09 15 47.30	+27 50 51.6	376	18.8 V
1997 AL ₂₁	1997 01 10.68184	09 15 46.42	+27 50 59.0	376	
1997 AL ₂₁	1997 01 10.68990	09 15 45.90	+27 51 01.3	376	
1997 AL ₂₁	1997 01 16.68896	09 10 37.76	+28 24 51.8	376	
1997 AL ₂₁	1997 01 16.69742	09 10 37.35	+28 24 53.7	376	
1997 AL ₂₁	1997 01 16.71041	09 10 36.56	+28 24 58.7	376	

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Measurers Y. Asakura, D. J. Asher

1.05-m $f/3.1$ Schmidt + CCD

GSC

1984 BC	1996 12 06.80627	09 37 52.34	+06 22 43.3	381	
1984 BC	1996 12 06.81039	09 37 52.76	+06 22 43.9	381	
1984 BC	1996 12 06.81478	09 37 53.04	+06 22 44.6	381	
1993 WD	1996 12 08.49446	23 31 34.18	+13 00 39.3	381	
1993 WD	1996 12 08.49760	23 31 33.14	+13 00 53.2	381	
1994 VA ₁	1996 12 08.54870	01 48 34.78	+10 32 33.6	381	
1994 VA ₁	1996 12 08.55715	01 48 34.67	+10 32 30.1	381	
1995 CS ₁	1996 12 08.52925	02 43 45.18	−10 23 00.1	381	
1995 CS ₁	1996 12 08.53104	02 43 45.13	−10 23 00.4	381	
1995 CS ₁	1996 12 08.53326	02 43 45.05	−10 23 00.8	381	
1995 LH	1996 12 08.67241	07 22 14.86	+34 00 21.8	381	
1995 LH	1996 12 08.67729	07 22 14.61	+34 00 22.6	381	
1996 SK	1996 12 08.41675	21 09 45.06	−17 06 00.7	381	
1996 SK	1996 12 08.42088	21 09 44.92	−17 06 01.9	381	
1996 TQ ₆	1996 12 08.60328	02 27 31.63	−00 48 36.2	V 381	
1996 TQ ₆	1996 12 08.60998	02 27 32.13	−00 48 30.2	V 381	
(1943)	1996 12 06.82405	10 53 07.26	−03 30 56.1	381	

(1943)	1996 12 06.82701	10 53 07.69	−03 31 00.4	381	
(3200)	1996 12 08.51560	23 52 36.34	+25 17 47.3	381	
(3200)	1996 12 08.51781	23 52 36.43	+25 17 45.2	381	
(5131)	1996 12 06.70938	06 15 53.40	−05 50 18.6	381	
(5131)	1996 12 06.71145	06 15 53.14	−05 50 17.5	381	
(5131)	1996 12 06.71409	06 15 52.84	−05 50 17.2	381	
(5143)	1996 12 08.52203	00 02 27.03	+18 20 08.8	381	
(5143)	1996 12 08.52299	00 02 26.95	+18 20 07.7	381	
(6523)	1996 12 06.58681	02 19 49.67	+49 00 17.8	381	
(6523)	1996 12 06.59491	02 19 49.23	+49 00 14.0	381	

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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

1984 LK	1996 12 08.60235	04 15 26.87	+19 27 29.8	17 V	385
1984 LK	1996 12 08.61072	04 15 26.42	+19 27 28.1		385
1984 LK	1996 12 08.61507	04 15 26.18	+19 27 26.7		385
1984 LK	1996 12 14.57183	04 10 30.68	+19 06 55.8	17 V	385
1984 LK	1996 12 14.57596	04 10 30.47	+19 06 55.2		385
1984 LK	1996 12 14.58013	04 10 30.27	+19 06 54.8		385
1991 JA	1997 01 06.60847	04 45 46.80	+28 10 33.9	17 V	385
1991 JA	1997 01 06.62155	04 45 46.14	+28 10 34.1		385
1991 JA	1997 01 06.62583	04 45 45.94	+28 10 33.7		385
1991 JA	1997 01 09.65308	04 43 37.55	+28 10 54.0	17.5 V	385
1991 JA	1997 01 09.67323	04 43 36.73	+28 10 53.9	I	385
1992 AF	1997 01 03.57432	05 32 16.69	+14 24 23.8	16 V	385
1992 AF	1997 01 03.57852	05 32 16.48	+14 24 23.5		385
1992 AF	1997 01 03.58692	05 32 16.08	+14 24 22.5		385
1992 YM	1997 01 03.56052	05 03 46.13	+13 58 58.8	17 V	385
1992 YM	1997 01 03.56463	05 03 45.88	+13 59 00.8		385
1992 YM	1997 01 03.56876	05 03 45.69	+13 59 03.5		385
1992 YM	1997 01 09.57227	04 59 36.87	+14 49 15.1	16.5 V	385
1992 YM	1997 01 09.58204	04 59 36.54	+14 49 19.5		385
1992 YY	1997 01 03.59279	06 57 36.05	+18 01 19.4	16 V	385
1992 YY	1997 01 03.63453	06 57 33.28	+18 01 13.1		385
1992 YY	1997 01 03.63869	06 57 32.97	+18 01 12.5		385
1992 YY	1997 01 13.58900	06 46 53.54	+17 37 14.6	15.8 V	385
1992 YY	1997 01 13.60297	06 46 52.65	+17 37 12.8		385
1992 YU ₂	1997 01 03.52753	04 35 36.18	+17 16 59.4	16.5 V	385
1992 YU ₂	1997 01 03.55509	04 35 35.70	+17 16 57.4		385
1993 BM	1997 01 03.49162	03 47 24.76	+31 43 09.1	17 V	385
1993 BM	1997 01 03.49580	03 47 24.64	+31 43 07.9	I	385
1993 BM	1997 01 03.51079	03 47 24.34	+31 43 04.3	I	385
1993 BM	1997 01 12.46157	03 45 31.94	+30 58 08.6	17 V	385
1993 BM	1997 01 12.48154	03 45 31.82	+30 58 03.0		385
1993 BN	1997 01 06.65022	05 30 06.70	+34 26 04.7	17 V	385
1993 BN	1997 01 06.67593	05 30 05.19	+34 25 56.0		385
1993 BN	1997 01 09.67800	05 27 25.10	+34 09 34.7	16.5 V	385
1994 RM ₁	1997 01 13.66552	09 06 32.73	−04 55 50.5	17 V	385
1994 RM ₁	1997 01 13.67958	09 06 32.19	−04 55 49.8		385
1995 OT	1997 01 13.59830	06 45 47.00	+29 08 37.6	17.5 V	385
1995 OX ₁	1997 01 09.61069	07 40 17.97	+27 40 30.7	18 V	385

1995 OX ₁	1997 01 09.63027	07 40 16.59	+27 40 35.9		385	1996 VQ ₅	1997 01 07.56838	03 40 14.47	+17 59 32.5		385
1995 OX ₁	1997 01 13.70818	07 35 32.25	+27 56 38.5	18 V	385	1996 VP ₇	1997 01 03.51628	03 57 46.81	+18 11 16.2	16.5 V	385
1995 PV	1997 01 09.60314	07 36 43.70	+31 34 55.5	17.5 V	385	1996 VP ₇	1997 01 03.54591	03 57 46.23	+18 11 15.6		385
1995 PV	1997 01 09.62573	07 36 41.95	+31 34 57.0		385	1996 XH	1997 01 07.56384	04 26 37.11	+18 21 37.2	18 V	385
1995 PV	1997 01 13.68642	07 31 33.73	+31 38 19.2	16.8 V	385	1996 XH	1997 01 07.59916	04 26 36.61	+18 21 40.3		385
1995 PV	1997 01 13.70330	07 31 32.47	+31 38 19.5		385	1996 XH ₆	1997 01 06.53079	04 32 41.25	+19 43 27.2	17 V	385
1995 QG ₂	1997 01 06.65586	05 36 53.92	+26 47 45.6	17 V	385	1996 XH ₆	1997 01 06.56666	04 32 40.18	+19 43 27.6		385
1995 QG ₂	1997 01 06.68063	05 36 52.41	+26 47 48.5		385	1996 XJ ₆	1997 01 06.52487	04 35 49.34	+23 06 20.4	17 V	385
1995 QG ₂	1997 01 13.55012	05 30 37.45	+26 56 22.7	17 V	385	1996 XJ ₆	1997 01 06.56205	04 35 48.49	+23 06 31.4	16.5 V	385
1995 QG ₂	1997 01 13.55848	05 30 37.02	+26 56 23.2		385	1996 XM ₆	1997 01 07.64209	04 39 21.14	+22 33 45.0	18 V	I 385
1995 QM ₂	1997 01 09.68932	05 38 13.59	+21 28 04.0	18 V	385	1996 XM ₆	1997 01 09.56696	04 39 03.29	+22 41 50.5	18 V	385
1995 QM ₂	1997 01 09.69896	05 38 13.07	+21 28 04.9		385	1996 XM ₆	1997 01 09.58683	04 39 03.10	+22 41 54.4		385
1995 QM ₂	1997 01 13.57779	05 35 24.60	+21 32 50.8	17.5 V	385	1996 XN ₆	1997 01 07.62145	04 42 30.36	+19 01 00.9	18 V	385
1995 QM ₂	1997 01 13.59365	05 35 23.95	+21 32 52.1		385	1996 XN ₆	1997 01 07.64712	04 42 29.91	+19 00 57.9		385
1995 UL ₃	1997 01 09.63494	08 05 41.05	+36 48 24.8	17.5 V	385	1996 XY ₁₈	1997 01 03.52157	04 25 10.90	+18 52 23.7	17 V	385
1995 UL ₃	1997 01 13.69787	08 01 47.10	+36 56 59.7	17.5 V	385	1996 XY ₁₈	1997 01 03.55043	04 25 10.21	+18 52 20.8		385
1995 UL ₃	1997 01 13.71319	08 01 46.22	+36 57 02.0		385	1996 XB ₁₉	1997 01 07.60502	04 33 13.97	+22 46 10.4	17 V	385
1995 UX ₆	1997 01 13.63068	08 01 27.96	+23 20 05.5	18.5 V	385	1996 XB ₁₉	1997 01 07.63200	04 33 13.10	+22 46 09.8		385
1995 UX ₆	1997 01 13.64485	08 01 27.14	+23 20 07.3		385	1996 XQ ₁₉	1997 01 07.55840	04 09 52.45	+20 46 24.4	18 V	385
1995 WX ₁	1997 01 13.66009	08 53 01.33	-03 02 58.0	17 V	385	1996 XQ ₁₉	1997 01 07.59045	04 09 51.90	+20 46 23.6		385
1995 WX ₁	1997 01 13.67490	08 53 00.68	-03 03 00.1		385	1996 XQ ₁₉	1997 01 09.55589	04 09 23.79	+20 43 34.0	18 V	385
1996 TL ₁₂	1997 01 03.40206	01 48 09.06	+16 28 05.8	16.5 V	385	1996 XQ ₁₉	1997 01 09.59175	04 09 23.34	+20 43 31.2		385
1996 TL ₁₂	1997 01 03.41066	01 48 09.33	+16 28 08.8		385	1996 XT ₂₅	1997 01 06.55292	03 55 40.41	+21 03 20.9	17.5 V	385
1996 TL ₁₂	1997 01 03.41486	01 48 09.42	+16 28 09.7		385	1996 XT ₂₅	1997 01 06.58045	03 55 40.06	+21 03 27.6		385
1996 UR	1997 01 06.47988	01 51 42.33	+06 40 46.5	17.5 V	385	1996 XT ₂₅	1997 01 07.55312	03 55 24.88	+21 07 46.8	18 V	385
1996 UR	1997 01 06.48407	01 51 42.48	+06 40 47.2		385	1996 XT ₂₅	1997 01 07.58176	03 55 24.56	+21 07 52.7		385
1996 UR	1997 01 07.46611	01 52 34.61	+06 45 37.3	17.5 V	385	1996 XU ₂₅	1997 01 06.53626	04 35 40.75	+20 12 40.9	17.5 V	385
1996 UR	1997 01 07.47071	01 52 34.79	+06 45 38.5		385	1996 XU ₂₅	1997 01 06.57116	04 35 39.65	+20 12 39.1		385
1996 UR	1997 01 07.47543	01 52 34.99	+06 45 39.4		385	1996 XU ₂₅	1997 01 07.61050	04 35 10.82	+20 11 42.2	17 V	385
1996 UT	1997 01 03.42057	02 11 01.80	+11 30 19.9	16.5 V	385	1996 XU ₂₅	1997 01 07.63712	04 35 10.03	+20 11 41.5		385
1996 UT	1997 01 03.42480	02 11 01.89	+11 30 20.3		385	1996 XW ₂₅	1996 12 16.58986	04 38 00.82	+20 01 23.1	16.8 V	385
1996 UT	1997 01 03.43317	02 11 02.11	+11 30 22.0		385	1996 XW ₂₅	1996 12 16.59414	04 38 00.53	+20 01 30.0		385
1996 UU	1997 01 06.50764	02 23 06.65	+05 02 00.0	17.5 V	385	1996 XW ₂₅	1996 12 16.60326	04 37 59.56	+20 01 43.5		385
1996 UU	1997 01 06.51179	02 23 06.66	+05 02 02.1		385	1996 XW ₂₅	1996 12 16.60955	04 37 58.86	+20 01 53.6		385
1996 UU	1997 01 09.53692	02 25 28.37	+05 09 58.0	17.5 V	385	1996 XW ₂₅	1997 01 03.53302	04 14 32.75	+26 56 46.0	17.5 V	385
1996 UU	1997 01 09.54126	02 25 28.53	+05 09 58.1		385	1996 XW ₂₅	1997 01 03.53714	04 14 32.57	+26 56 50.2		385
1996 UU	1997 01 09.54545	02 25 28.69	+05 09 59.4		385	1996 XW ₂₅	1997 01 03.54125	04 14 32.25	+26 56 56.0		385
1996 VJ	1997 01 09.48060	02 02 37.07	+12 44 53.7	18 V	385	1996 XW ₂₅	1997 01 12.47275	04 08 39.13	+29 45 40.0	18.5 V	385
1996 VJ	1997 01 09.50698	02 02 37.79	+12 45 02.7		385	1996 XW ₂₅	1997 01 12.48618	04 08 38.63	+29 45 55.2		385
1996 VK	1997 01 09.49164	02 08 59.76	+12 35 14.6	18.5 V	385	1996 XT ₃₀	1996 12 14.63988	05 06 37.72	+22 08 57.0	17 V	385
1996 VK	1997 01 09.51634	02 09 00.44	+12 35 24.0		385	1996 XT ₃₀	1996 12 14.64411	05 06 37.43	+22 08 58.1		385
1996 VW	1997 01 09.48605	02 09 23.05	+11 12 17.5	18.5 V	385	1996 XT ₃₀	1996 12 14.64822	05 06 37.21	+22 08 58.9		385
1996 VW	1997 01 09.51171	02 09 24.65	+11 12 25.1		385	1996 XT ₃₀	1997 01 06.63625	04 47 45.52	+23 09 06.7	17 V	385
1996 VO ₁	1997 01 03.46914	03 33 20.92	+33 51 36.6	16.5 V	I 385	1996 XT ₃₀	1997 01 06.64043	04 47 45.36	+23 09 06.9		385
1996 VP ₁	1997 01 03.47485	03 46 31.89	+24 35 29.6	16.5 V	385	1996 XT ₃₀	1997 01 06.64462	04 47 45.21	+23 09 07.5		385
1996 VP ₁	1997 01 03.47944	03 46 31.84	+24 35 27.5		385	1996 XU ₃₀	1997 01 06.54161	04 44 16.60	+15 43 13.3	17 V	385
1996 VP ₁	1997 01 03.48630	03 46 31.77	+24 35 24.0		385	1996 XU ₃₀	1997 01 06.57574	04 44 15.59	+15 43 05.8		385
1996 VA ₅	1997 01 09.50219	02 09 19.52	+06 58 40.3	18.5 V	385	1996 XU ₃₀	1997 01 07.62696	04 43 47.31	+15 39 12.1	17.5 V	385
1996 VA ₅	1997 01 09.52594	02 09 20.03	+06 58 43.1		385	1996 XU ₃₀	1997 01 07.65233	04 43 46.69	+15 39 05.8		385
1996 VN ₅	1997 01 09.49692	02 08 42.74	+09 16 04.4	18 V	385	1997 AT ₁	1997 01 09.59727	07 16 55.68	+25 17 36.9	15.5 V	385
1996 VN ₅	1997 01 09.52113	02 08 43.35	+09 16 09.4		385	1997 AT ₁	1997 01 09.62098	07 16 54.31	+25 17 32.9		385
1996 VQ ₅	1997 01 07.54251	03 40 13.95	+17 59 38.4	18 V	385	1997 AU ₃	* 1997 01 03.43939	03 32 45.02	+33 52 10.5	17 V	385

1997 AU ₃	1997 01 03.44368	03 32 45.02	+33 52 08.8		385
1997 AU ₃	1997 01 03.46914	03 32 44.70	+33 52 01.3		385
1997 AU ₃	1997 01 06.60291	03 32 20.49	+33 35 35.4	17 V	385
1997 AU ₃	1997 01 06.63057	03 32 20.22	+33 35 26.6		385
1997 AU ₃	1997 01 09.64191	03 32 14.64	+33 20 18.2	17 V	385
1997 AU ₃	1997 01 09.66388	03 32 14.65	+33 20 11.7		385
1997 AV ₃	* 1997 01 03.52753	04 35 22.65	+17 17 22.9	17.5 V	385
1997 AV ₃	1997 01 03.55509	04 35 22.08	+17 17 24.3		385
1997 AV ₃	1997 01 06.54694	04 34 38.52	+17 19 57.1	17.5 V	385
1997 AV ₃	1997 01 06.58507	04 34 38.10	+17 19 59.2		385
1997 AQ ₆	* 1997 01 06.47567	01 51 32.47	+06 44 33.6	16.5 V	385
1997 AQ ₆	1997 01 06.47988	01 51 32.62	+06 44 39.2		385
1997 AQ ₆	1997 01 06.48407	01 51 32.82	+06 44 44.6		385
1997 AQ ₆	1997 01 09.46787	01 53 45.63	+07 48 40.5	17 V	385
1997 AQ ₆	1997 01 09.47216	01 53 45.80	+07 48 46.4		385
1997 AQ ₆	1997 01 12.44634	01 56 14.27	+08 51 33.4	17 V	385
1997 AQ ₆	1997 01 12.45057	01 56 14.56	+08 51 38.6		385
1997 AQ ₆	1997 01 12.45584	01 56 14.80	+08 51 45.0		385
1997 AR ₆	* 1997 01 07.60502	04 32 31.58	+22 45 39.9	16.5 V	385
1997 AR ₆	1997 01 07.63200	04 32 30.96	+22 45 28.2		385
1997 AR ₆	1997 01 09.56142	04 31 55.56	+22 32 44.0	17 V	385
1997 AR ₆	1997 01 09.57723	04 31 55.28	+22 32 37.4		385
1997 AR ₆	1997 01 12.46752	04 31 20.17	+22 14 33.7	17 V	385
1997 AR ₆	1997 01 12.49098	04 31 19.92	+22 14 27.0		385
1997 AD ₁₅	* 1997 01 09.59727	07 17 39.40	+25 17 38.0	17.5 V	385
1997 AD ₁₅	1997 01 09.62098	07 17 37.86	+25 17 44.9		385
1997 AD ₁₅	1997 01 13.60848	07 13 11.69	+25 37 06.9	17.5 V	385
1997 AD ₁₅	1997 01 13.61265	07 13 11.43	+25 37 08.3		385
1997 AD ₁₅	1997 01 13.61679	07 13 11.13	+25 37 09.3		385
(131)	1997 01 13.55012	05 30 02.17	+26 58 13.6	13.5 V	385
(131)	1997 01 13.55848	05 30 01.76	+26 58 13.6		385
(1096)	1997 01 09.56696	04 38 34.95	+22 44 24.7	15 V	385
(1096)	1997 01 09.58683	04 38 34.29	+22 44 26.7		385
(3591)	1997 01 06.52487	04 35 51.08	+23 13 52.4	17.5 V	385
(3591)	1997 01 06.56205	04 35 49.74	+23 13 49.8		385
(3908)	1996 12 12.70359	04 56 40.55	+23 01 48.7	14.9 V	385
(3908)	1996 12 12.70772	04 56 40.76	+23 01 45.9		385
(3908)	1996 12 12.71186	04 56 40.97	+23 01 43.1		385
(4227)	1997 01 09.53153	02 23 48.72	+10 49 22.1	17.5 V	385
(4227)	1997 01 09.55036	02 23 49.21	+10 49 27.0		385

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Observers H. Fukushima, D. Kinishita, N. Yamamoto

Measurer I. Sato

0.50-m $f/12$ reflector + CCD

GSC corrected to PPM system

1996 US ₃	1996 12 29.40205	01 40 32.92	+12 45 32.7	20.1 I	388
1996 US ₃	1996 12 29.42168	01 40 33.77	+12 45 39.4	20.3 I	388
1996 US ₃	1996 12 29.43075	01 40 34.13	+12 45 42.9	20.1 I	388
1996 US ₃	1996 12 30.41209	01 41 19.74	+12 51 01.8	19.9 I	388
1996 US ₃	1996 12 30.42189	01 41 20.32	+12 51 02.4	20.0 I	388

1996 VF ₁	1996 12 29.44270	01 38 40.15	+12 25 57.7	19.8 I	388
1996 VF ₁	1996 12 29.45175	01 38 40.53	+12 26 00.2	19.8 I	388
1996 VF ₁	1996 12 29.46080	01 38 40.94	+12 26 04.3	20.1 I	388
1996 VF ₁	1996 12 29.46985	01 38 41.55	+12 26 07.4	19.9 I	388
1996 VF ₁	1996 12 30.43219	01 39 26.67	+12 31 20.5	19.9 I	388
1996 VF ₁	1996 12 30.44497	01 39 27.24	+12 31 24.7	19.6 I	388
(4179)	1996 12 25.68358	08 52 26.48	+15 49 47.7	13.3 I	388
(4179)	1996 12 25.68860	08 52 25.56	+15 49 53.0	13.2 I	388
(4179)	1996 12 25.69367	08 52 24.69	+15 49 58.3	13.4 I	388
(4179)	1996 12 25.69858	08 52 23.89	+15 50 03.1	13.3 I	388

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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

1988 TN	1996 12 15.61458	05 35 40.62	+31 59 05.1	16.7	399
1988 TN	1996 12 15.62882	05 35 39.47	+31 59 04.9		399
1988 TN	1997 01 09.49167	05 10 10.67	+31 23 09.2	17.1	399
1988 TN	1997 01 09.50590	05 10 10.07	+31 23 05.8		399
1988 UA	1996 12 02.51875	03 42 24.34	+20 07 55.3	17.3	399
1988 UA	1996 12 02.53299	03 42 23.56	+20 07 51.8		399
1988 UA	1996 12 06.56852	03 38 47.68	+19 53 21.9	17.3	399
1988 UA	1996 12 06.58333	03 38 47.00	+19 53 19.4		399
1990 TM ₁	1996 12 02.45174	02 53 13.33	+11 04 55.1	16.8	399
1990 TM ₁	1996 12 02.46806	02 53 12.60	+11 04 55.0		399
1992 BB ₅	1996 12 06.60174	03 50 04.20	+13 16 12.5	16.7	399
1992 BB ₅	1996 12 06.61597	03 50 03.62	+13 16 14.5		399
1992 UO ₁₀	* 1992 10 19.46308	01 40 38.03	+20 39 49.1	17	399
1992 UO ₁₀	1992 10 19.47770	01 40 37.25	+20 39 44.3		399
1992 UO ₁₀	1992 10 22.48549	01 37 42.94	+20 16 48.8	17	399
1992 UO ₁₀	1992 10 22.50000	01 37 42.17	+20 16 43.2		399
1992 UO ₁₀	1992 11 02.56458	01 27 28.13	+18 42 11.0	16.8	399
1992 UO ₁₀	1992 11 02.57917	01 27 27.38	+18 42 04.0		399
1992 VR	1996 12 06.66944	04 46 38.89	+19 12 56.7	17.1	399
1992 VR	1996 12 06.68385	04 46 38.07	+19 12 53.8		399
1992 VR	1996 12 07.64809	04 45 38.76	+19 11 01.7	17.2	399
1992 VR	1996 12 07.66285	04 45 37.80	+19 10 58.3		399
1992 VR	1996 12 15.54097	04 37 54.83	+18 57 00.6	17.3	399
1992 VR	1996 12 15.55625	04 37 53.99	+18 56 59.5		399
1992 WS ₉	* 1992 11 21.59375	04 06 00.43	+17 35 42.2	16.8	399
1992 WS ₉	1992 11 21.60833	04 05 59.48	+17 35 43.0		399
1994 CZ ₁	1996 12 06.66944	04 46 39.80	+17 58 13.6	16.8	399
1994 CZ ₁	1996 12 06.68385	04 46 38.71	+17 58 11.1		399
1994 CZ ₁	1996 12 07.64809	04 45 33.95	+17 54 50.1	17	399
1994 CZ ₁	1996 12 07.66285	04 45 32.86	+17 54 45.4		399
1994 CZ ₁	1996 12 15.54097	04 36 57.18	+17 28 52.5	17	399
1994 CZ ₁	1996 12 15.55625	04 36 56.33	+17 28 52.2		399
1996 VY ₄	1996 12 06.66944	04 51 39.58	+19 51 22.8	16.6	399
1996 VY ₄	1996 12 06.68385	04 51 38.66	+19 51 15.9		399
1996 VY ₄	1996 12 07.64809	04 50 40.77	+19 43 10.2	16.5	399

1996 VY ₄	1996 12 07.66285	04 50 39.83	+19 43 01.2		399	1996 VJ ₃₀	1996 11 15.66944	03 55 52.79	+21 23 02.8		399
1996 VY ₄	1996 12 15.54097	04 43 04.61	+18 38 49.7	17.1	399	1996 VJ ₃₀	1996 12 06.56852	03 35 21.30	+19 13 34.9	17.1	399
1996 VY ₄	1996 12 15.55625	04 43 03.71	+18 38 42.4		399	1996 VJ ₃₀	1996 12 06.58333	03 35 20.58	+19 13 28.9		399
1996 VY ₇	1996 10 09.65764	02 31 42.98	+08 48 36.7	17.3	399	1996 VK ₃₀	1996 12 06.60174	03 55 47.03	+11 43 12.2	16.5	399
1996 VY ₇	1996 10 09.67189	02 31 42.32	+08 48 33.3		399	1996 VK ₃₀	1996 12 06.61597	03 55 46.33	+11 43 13.8		399
1996 VY ₇	1996 10 10.69201	02 31 04.16	+08 42 57.4	17.2	399	1996 VL ₃₀	1996 11 15.62153	03 43 13.58	+20 44 15.8	16.4	399
1996 VY ₇	1996 10 10.70625	02 31 03.46	+08 42 51.6		399	1996 VL ₃₀	1996 11 15.63576	03 43 12.76	+20 44 07.7		399
1996 VU ₈	1996 12 02.45174	02 45 26.14	+10 11 49.8	17.2	399	1996 VM ₃₀	1996 11 15.62153	03 43 00.02	+23 11 38.4	16	399
1996 VU ₈	1996 12 02.46806	02 45 25.54	+10 11 42.7		399	1996 VM ₃₀	1996 11 15.63576	03 42 58.82	+23 11 42.0		399
1996 VX ₈	1996 12 02.45174	02 51 13.00	+10 32 37.6	17.1	399	1996 VN ₃₀	1996 11 15.62153	03 45 41.81	+19 53 30.5	16	399
1996 VX ₈	1996 12 02.46806	02 51 12.35	+10 32 34.8		399	1996 VN ₃₀	1996 11 15.63576	03 45 40.88	+19 53 31.4		399
1996 VC ₉	1996 12 06.53484	03 28 24.00	+15 58 48.1	16.7	399	1996 VO ₃₀	1996 11 15.62153	03 47 56.44	+21 29 32.5	15.5	399
1996 VC ₉	1996 12 06.54896	03 28 23.32	+15 58 50.6		399	1996 VO ₃₀	1996 11 15.63576	03 47 55.41	+21 29 26.7		399
1996 VC ₉	1996 12 07.51400	03 27 35.94	+16 02 33.7	16.5	399	1996 VO ₃₀	1996 12 02.51875	03 31 39.93	+19 43 25.7	16.5	399
1996 VC ₉	1996 12 07.52847	03 27 35.12	+16 02 37.6		399	1996 VO ₃₀	1996 12 02.53299	03 31 39.19	+19 43 21.6		399
1996 VU ₂₉	1996 11 15.54757	02 26 10.69	+11 00 12.4	17.2	399	1996 VO ₃₀	1996 12 06.56852	03 28 34.26	+19 20 15.2	16.3	399
1996 VU ₂₉	1996 11 15.56181	02 26 09.96	+11 00 06.8		399	1996 VO ₃₀	1996 12 06.58333	03 28 33.61	+19 20 09.5		399
1996 VW ₂₉	1996 11 15.54757	02 29 33.72	+12 09 41.3	17.2	399	1996 VO ₃₀	1996 12 07.54931	03 27 53.80	+19 14 55.0	16.7	399
1996 VW ₂₉	1996 11 15.56181	02 29 32.85	+12 09 38.7		399	1996 VO ₃₀	1996 12 07.56354	03 27 53.08	+19 14 50.1		399
1996 VX ₂₉	1996 11 15.54757	02 31 45.16	+11 51 48.7	17.2	399	1996 VP ₃₀	1996 11 15.62153	03 49 30.67	+18 46 23.1	15.8	399
1996 VX ₂₉	1996 11 15.56181	02 31 44.18	+11 51 45.8		399	1996 VP ₃₀	1996 11 15.63576	03 49 29.87	+18 46 12.5		399
1996 VY ₂₉	1996 11 15.58266	03 00 20.13	+13 12 49.4	17.3	399	1996 VP ₃₀	1996 12 06.53484	03 33 19.14	+14 47 17.6	16.3	399
1996 VY ₂₉	1996 11 15.59688	03 00 19.29	+13 12 47.0		399	1996 VP ₃₀	1996 12 06.54896	03 33 18.51	+14 47 07.9		399
1996 VZ ₂₉	1996 11 15.58266	03 02 15.16	+12 30 58.5	17.2	399	1996 VP ₃₀	1996 12 07.51400	03 32 44.99	+14 37 49.4	16.6	399
1996 VZ ₂₉	1996 11 15.59688	03 02 14.28	+12 30 56.3		399	1996 VP ₃₀	1996 12 07.52847	03 32 44.51	+14 37 41.7		399
1996 VA ₃₀	1996 11 15.58266	03 04 08.98	+11 11 26.0	17.1	399	1996 VG ₃₈	1996 12 02.45174	02 46 29.23	+11 08 39.5	17	399
1996 VA ₃₀	1996 11 15.59688	03 04 08.23	+11 11 15.1		399	1996 VG ₃₈	1996 12 02.46806	02 46 28.78	+11 08 31.5		399
1996 VB ₃₀	1996 11 15.58266	03 03 11.83	+12 11 24.1	17.2	399	1996 VJ ₃₈	1996 12 02.51875	03 38 29.32	+23 03 41.1	17.2	399
1996 VB ₃₀	1996 11 15.59688	03 03 10.99	+12 11 21.1		399	1996 VJ ₃₈	1996 12 02.53299	03 38 28.37	+23 03 37.5		399
1996 VD ₃₀	1996 11 15.58266	03 06 14.07	+13 30 36.4	17.2	399	1996 VK ₃₈	1996 12 06.60174	03 48 08.83	+09 11 34.2	17.3	399
1996 VD ₃₀	1996 11 15.59688	03 06 13.32	+13 30 31.7		399	1996 VK ₃₈	1996 12 06.61597	03 48 08.06	+09 11 34.2		399
1996 VE ₃₀	1996 11 15.58266	03 07 36.35	+13 37 38.4	17.3	399	1996 VM ₃₈	1996 11 07.51678	03 03 50.30	+11 35 50.0	17.1	399
1996 VE ₃₀	1996 11 15.59688	03 07 35.45	+13 37 36.4		399	1996 VM ₃₈	1996 11 07.53090	03 03 49.39	+11 35 51.9		399
1996 VF ₃₀	1996 12 02.48646	03 08 37.44	+03 12 34.4	16.9	399	1996 VO ₃₈	1996 11 07.51678	03 11 51.69	+13 19 53.9	17.2	399
1996 VF ₃₀	1996 12 02.50081	03 08 36.84	+03 12 34.6		399	1996 VO ₃₈	1996 11 07.53090	03 11 50.88	+13 19 50.5		399
1996 VG ₃₀	1996 11 15.65519	03 50 37.54	+22 20 37.8	16.6	399	1996 XY ₁₈	1996 12 06.66944	04 46 13.90	+20 12 34.6	16.5	399
1996 VG ₃₀	1996 11 15.66944	03 50 36.76	+22 20 32.6		399	1996 XY ₁₈	1996 12 06.68385	04 46 13.03	+20 12 33.5		399
1996 VG ₃₀	1996 12 02.51875	03 35 05.33	+20 18 54.8	16.8	399	1996 XY ₁₈	1996 12 07.64809	04 45 14.96	+20 08 57.0	16.5	399
1996 VG ₃₀	1996 12 02.53299	03 35 04.67	+20 18 48.4		399	1996 XY ₁₈	1996 12 07.66285	04 45 13.93	+20 08 55.1		399
1996 VG ₃₀	1996 12 06.56852	03 31 45.97	+19 49 33.5	16.8	399	1996 XY ₁₈	1996 12 15.54097	04 37 38.00	+19 40 43.2	16.8	399
1996 VG ₃₀	1996 12 06.58333	03 31 45.22	+19 49 26.8		399	1996 XY ₁₈	1996 12 15.55625	04 37 37.00	+19 40 40.4		399
1996 VG ₃₀	1996 12 07.54931	03 31 00.81	+19 42 35.7	16.9	399	1996 XR ₂₅	1996 12 02.55069	04 42 08.23	+14 16 24.0	16.3	399
1996 VG ₃₀	1996 12 07.56354	03 31 00.09	+19 42 28.3		399	1996 XR ₂₅	1996 12 02.56493	04 42 07.23	+14 16 22.6		399
1996 VH ₃₀	1996 11 15.65519	03 52 06.25	+21 28 44.9	16.7	399	1996 XR ₂₅	1996 12 06.63565	04 37 43.05	+14 14 42.3	16.5	399
1996 VH ₃₀	1996 11 15.66944	03 52 05.30	+21 28 47.6		399	1996 XR ₂₅	1996 12 06.65000	04 37 42.05	+14 14 42.3		399
1996 VH ₃₀	1996 12 02.51875	03 32 53.81	+21 43 38.0	17.2	399	1996 XR ₂₅	1996 12 07.61441	04 36 40.42	+14 14 35.7	16.5	399
1996 VH ₃₀	1996 12 02.53299	03 32 52.89	+21 43 38.2		399	1996 XR ₂₅	1996 12 07.62917	04 36 39.49	+14 14 35.2		399
1996 VH ₃₀	1996 12 06.56852	03 28 40.89	+21 46 02.9	17.2	399	1996 XR ₂₅	1996 12 15.50001	04 28 41.02	+14 17 15.6	16.8	399
1996 VH ₃₀	1996 12 06.58333	03 28 39.91	+21 46 02.0		399	1996 XR ₂₅	1996 12 15.51302	04 28 40.24	+14 17 17.5		399
1996 VH ₃₀	1996 12 07.54931	03 27 42.84	+21 46 36.2	17.3	399	1996 XL ₂₆	1996 12 06.66944	04 44 02.68	+19 58 17.8	17.2	399
1996 VH ₃₀	1996 12 07.56354	03 27 42.13	+21 46 37.8		399	1996 XL ₂₆	1996 12 06.68385	04 44 01.85	+19 58 18.1		399
1996 VJ ₃₀	1996 11 15.65519	03 55 53.72	+21 23 08.3	16.6	399	1996 XL ₂₆	1996 12 07.64809	04 42 56.57	+19 58 43.3	17.2	399

1996 XL ₂₆	1996 12 07.66285	04 42 55.61	+19 58 42.1		399
1996 XP ₃₂	* 1996 12 06.63565	04 40 26.83	+15 02 33.5	17.1	399
1996 XP ₃₂	1996 12 06.65000	04 40 26.07	+15 02 35.2		399
1996 XP ₃₂	1996 12 07.61441	04 39 33.00	+15 03 37.4	17.1	399
1996 XP ₃₂	1996 12 07.62917	04 39 32.18	+15 03 38.3		399
1996 XQ ₃₂	* 1996 12 06.66944	04 44 05.12	+18 14 29.6	16.8	399
1996 XQ ₃₂	1996 12 06.68385	04 44 04.11	+18 14 24.5		399
1996 XQ ₃₂	1996 12 07.64809	04 43 00.90	+18 10 18.0	17	399
1996 XQ ₃₂	1996 12 07.66285	04 42 59.89	+18 10 14.6		399
1996 XQ ₃₂	1996 12 15.54097	04 34 43.19	+17 38 36.7	17.2	399
1996 XQ ₃₂	1996 12 15.55625	04 34 42.22	+17 38 33.1		399
1996 XR ₃₂	* 1996 12 06.66944	04 46 29.36	+19 20 49.6	17.1	399
1996 XR ₃₂	1996 12 06.68385	04 46 28.46	+19 20 49.7		399
1996 XR ₃₂	1996 12 07.64809	04 45 35.40	+19 22 31.0	16.9	399
1996 XR ₃₂	1996 12 07.66285	04 45 34.55	+19 22 33.0		399
1996 XS ₃₂	* 1996 12 06.70208	05 33 18.03	+12 47 32.6	16	399
1996 XS ₃₂	1996 12 06.71632	05 33 17.27	+12 47 32.3		399
1996 XS ₃₂	1996 12 15.57986	05 24 56.53	+12 47 01.1	16	399
1996 XS ₃₂	1996 12 15.59410	05 24 55.67	+12 47 02.0		399
1996 XS ₃₂	1997 01 09.52847	05 05 53.42	+13 45 01.3	16.5	399
1996 XS ₃₂	1997 01 09.55278	05 05 52.82	+13 45 07.3		399
1996 XT ₃₂	* 1996 12 06.70208	05 34 38.06	+11 59 18.1	16.3	399
1996 XT ₃₂	1996 12 06.71632	05 34 37.13	+11 59 19.2		399
1996 XT ₃₂	1996 12 15.57986	05 26 02.11	+12 06 25.3	16	399
1996 XT ₃₂	1996 12 15.59410	05 26 01.17	+12 06 28.2		399
1996 XU ₃₂	1996 12 06.63565	04 37 28.74	+14 35 49.8	17	399
1996 XU ₃₂	1996 12 06.65000	04 37 27.81	+14 35 50.1		399
1996 XU ₃₂	1996 12 07.61441	04 36 23.89	+14 35 03.1	17	399
1996 XU ₃₂	1996 12 07.62917	04 36 22.88	+14 35 02.2		399
1996 YK ₂	1997 01 09.67986	09 06 04.32	+30 55 27.9	16.6	399
1996 YK ₂	1997 01 09.69410	09 06 03.55	+30 55 30.1		399
1996 YK ₂	1997 01 12.60347	09 03 33.62	+31 08 37.3	16.5	399
1996 YK ₂	1997 01 12.61771	09 03 32.72	+31 08 40.3		399
1997 AE ₂₁	* 1997 01 09.57847	07 37 46.40	+25 15 59.1	16.3	399
1997 AE ₂₁	1997 01 09.59271	07 37 45.60	+25 16 05.8		399
1997 AE ₂₁	1997 01 12.50243	07 34 35.14	+25 42 35.8	16.5	399
1997 AE ₂₁	1997 01 12.51667	07 34 34.04	+25 42 44.1		399
1997 AF ₂₁	* 1997 01 09.57847	07 41 51.80	+25 27 11.9	17.1	399
1997 AF ₂₁	1997 01 09.59271	07 41 50.73	+25 27 13.6		399
1997 AF ₂₁	1997 01 12.50243	07 38 06.29	+25 34 36.8	17.1	399
1997 AF ₂₁	1997 01 12.51667	07 38 05.37	+25 34 39.7		399
1997 AG ₂₁	* 1997 01 09.61181	08 04 52.05	+18 20 29.8	16.8	399
1997 AG ₂₁	1997 01 09.62604	08 04 51.18	+18 20 32.0		399
1997 AG ₂₁	1997 01 12.53472	08 01 54.59	+18 28 23.2	16.7	399
1997 AG ₂₁	1997 01 12.54896	08 01 53.65	+18 28 26.1		399
1997 AH ₂₁	* 1997 01 09.61181	08 09 10.30	+20 09 09.3	16.7	399
1997 AH ₂₁	1997 01 09.62604	08 09 09.64	+20 09 19.2		399
1997 AH ₂₁	1997 01 12.53472	08 06 42.85	+20 40 00.0	16.5	399
1997 AH ₂₁	1997 01 12.54896	08 06 42.15	+20 40 08.1		399
1997 AJ ₂₁	* 1997 01 09.61181	08 09 25.36	+17 32 56.7	16.8	399
1997 AJ ₂₁	1997 01 09.62604	08 09 24.53	+17 32 57.4		399
1997 AJ ₂₁	1997 01 12.53472	08 06 39.85	+17 36 36.6	16.8	399

1997 AJ ₂₁	1997 01 12.54896	08 06 38.93	+17 36 37.1		399
1997 AK ₂₁	* 1997 01 09.64514	08 30 32.65	+09 45 33.0	16.7	399
1997 AK ₂₁	1997 01 09.65938	08 30 31.79	+09 45 33.2		399
1997 AK ₂₁	1997 01 12.56898	08 27 57.47	+09 49 45.3	16.6	399
1997 AK ₂₁	1997 01 12.58345	08 27 56.64	+09 49 47.2		399
(7340)	1996 12 06.56852	03 38 59.92	+20 58 01.8	17.3	399
(7340)	1996 12 06.58333	03 38 59.05	+20 57 57.9		399
(7340)	1996 12 07.54931	03 38 12.09	+20 54 59.8	17.2	399
(7340)	1996 12 07.56354	03 38 11.41	+20 54 56.8		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

1996 VJ ₅	1996 12 30.39921	02 31 41.28	+29 16 57.8	16.3 V	400
1996 VJ ₅	1996 12 30.43052	02 31 41.44	+29 17 06.4		400
1996 VF ₈	1997 01 01.48416	02 36 07.40	+27 21 11.3	16.5 V	400
1996 VF ₈	1997 01 01.53547	02 36 07.96	+27 21 17.6		400
1996 VG ₈	1996 12 30.40942	02 26 31.16	+17 42 59.2	17.6 V	400
1996 VG ₈	1997 01 01.46650	02 27 02.54	+17 38 54.4	18.0 V	400
1996 VG ₈	1997 01 01.51517	02 27 03.34	+17 38 49.8		400
1996 VJ ₈	1997 01 01.46438	02 35 02.59	+22 04 13.5	17.2 V	400
1996 VJ ₈	1997 01 01.50940	02 35 03.80	+22 04 11.8		400
1996 VT ₈	1996 12 30.42056	02 32 35.10	+14 01 18.0	17.6 V	400
1996 VT ₈	1996 12 30.44735	02 32 35.36	+14 01 28.4		400
1996 VB ₉	1997 01 01.48192	03 13 54.84	+11 53 22.6	16.1 V	400
1996 VB ₉	1997 01 01.53311	03 13 54.76	+11 53 28.4		400
1996 VC ₉	1996 12 30.40506	03 18 55.95	+17 51 04.5	17.0 V	400
1996 VC ₉	1996 12 30.43449	03 18 55.95	+17 51 13.7		400
1996 VC ₉	1997 01 01.46221	03 19 09.46	+18 02 39.7	17.0 V	400
1996 VC ₉	1997 01 01.50721	03 19 09.70	+18 02 54.9		400
1996 YJ ₂	1997 01 12.53194	09 06 06.17	+19 45 16.9	17	400
1996 YJ ₂	1997 01 12.55417	09 06 05.24	+19 45 29.1		400
1996 YJ ₂	1997 01 13.55903	09 05 25.96	+19 55 07.2	16.5	400
1997 AM ₂	1997 01 12.49306	08 26 07.87	+24 56 15.1	16.0	400
1997 AM ₂	1997 01 12.51319	08 26 06.61	+24 56 22.6		400
1997 AM ₂	1997 01 13.50208	08 25 00.02	+25 02 27.1	16.0	400
1997 AM ₂	1997 01 13.52083	08 24 58.75	+25 02 34.8		400
1997 AH ₁₉	* 1997 01 12.57361	08 23 14.60	+13 14 34.2	16.0	400
1997 AH ₁₉	1997 01 12.59444	08 23 13.54	+13 14 37.0		400
1997 AH ₁₉	1997 01 13.57639	08 22 21.83	+13 17 30.7	16.0	400
1997 AH ₁₉	1997 01 13.59653	08 22 20.81	+13 17 35.3		400

402 Dync Astronomical Observatory

A. Sugie, Dync Astronomical Observatory, Taga 283-1, Taga, Inukami-Gun, Shiga-
Ken 522-03, Japan [hhf00201@niftyserve.or.jp]

Observers A. Sugie, Y. Ikari

0.60-m $f/5.0$ reflector + CCD

GSC

1991 PN ₈	1996 12 15.53235	01 31 58.18	+07 12 50.5	18.0 V	402
1991 PN ₈	1996 12 15.54957	01 31 58.80	+07 12 55.4		402

1992 US ₄	1997 01 12.57083	07 10 18.61	+22 03 39.1	15.0 V	402
1992 US ₄	1997 01 12.57500	07 10 18.32	+22 03 39.2		402
1992 US ₄	1997 01 12.57917	07 10 18.05	+22 03 39.5		402
1992 US ₄	1997 01 15.49306	07 07 16.80	+22 05 45.9	15.4 V	402
1992 US ₄	1997 01 15.49583	07 07 16.62	+22 05 46.1		402
1992 US ₄	1997 01 15.49931	07 07 16.40	+22 05 46.2		402
1992 US ₄	1997 01 16.53125	07 06 14.04	+22 06 26.5	15.5 V	402
1992 US ₄	1997 01 16.53750	07 06 13.66	+22 06 26.7		402
1992 US ₄	1997 01 16.54028	07 06 13.48	+22 06 26.9		402
1995 TG	1996 12 21.67934	08 23 35.77	+32 47 18.3	17.4 V	402
1995 TG	1996 12 21.68463	08 23 35.57	+32 47 20.5		402
1995 TG	1996 12 21.68819	08 23 35.42	+32 47 21.5		402
1996 TG ₅	1996 12 15.53235	01 32 04.72	+07 15 00.7	17.4 V	402
1996 TG ₅	1996 12 15.54957	01 32 05.21	+07 15 06.7		402
1996 TY ₇	1996 12 15.52684	01 35 06.09	+11 49 40.3		402
1996 TY ₇	1996 12 15.54559	01 35 06.66	+11 49 48.8	17.8 V	402
1996 UK	1996 12 27.42979	02 22 57.21	+05 05 57.7	18.4 V	402
1996 UK	1996 12 27.43282	02 22 57.39	+05 05 58.7		402
1996 VV	1996 12 15.51117	01 51 45.94	+10 27 29.9		402
1996 VV	1996 12 15.51471	01 51 45.85	+10 27 31.7		402
1996 VV	1996 12 15.53663	01 51 45.82	+10 27 32.3	17.8 V	402
1996 VV	1996 12 27.38351	01 53 10.67	+10 54 48.6	18.5 V	402
1996 VV	1996 12 27.39087	01 53 10.73	+10 54 49.4		402
1996 VV	1997 01 12.49653	02 00 25.79	+11 56 52.0	19.0 V	402
1996 VV	1997 01 12.50069	02 00 25.87	+11 56 51.7		402
1996 VV	1997 01 12.50417	02 00 26.01	+11 56 53.7		402
1996 VB ₅	1996 12 15.52288	01 51 33.93	+11 26 14.0		402
1996 VB ₅	1996 12 15.54090	01 51 33.94	+11 26 17.9	16.8 V	402
1996 VB ₅	1996 12 27.48260	01 54 22.78	+12 17 43.8	17.3 V	402
1996 VB ₅	1996 12 27.48813	01 54 22.92	+12 17 45.0		402
1996 VB ₅	1997 01 12.51215	02 04 30.95	+13 51 01.9	17.9 V	402
1996 VB ₅	1997 01 12.51597	02 04 31.16	+13 51 03.5		402
1996 VB ₅	1997 01 12.51979	02 04 31.34	+13 51 04.8		402
1996 XW ₁	1996 12 27.41053	02 26 05.54	-08 39 30.5	19.5 V	402
1996 XW ₁	1996 12 27.41429	02 26 05.41	-08 39 47.3		402
1996 XW ₁	1996 12 27.41784	02 26 05.38	-08 40 00.2		402
1996 XX ₁₄	1997 01 12.54583	05 33 47.94	-09 07 48.3	19.7 V	402
1996 XX ₁₄	1997 01 12.55764	05 33 48.58	-09 07 23.9		402
1996 XX ₁₄	1997 01 12.56181	05 33 48.91	-09 07 12.9		402
1996 XB ₃₂	* 1996 12 14.68527	08 27 36.53	+32 02 18.9	17.9 V	402
1996 XB ₃₂	1996 12 14.68887	08 27 36.39	+32 02 20.4		402
1996 XB ₃₂	1996 12 14.69240	08 27 36.27	+32 02 21.0		402
1996 XB ₃₂	1996 12 21.72380	08 23 05.59	+32 32 17.9	18.2 V	402
1996 XB ₃₂	1996 12 21.72807	08 23 05.42	+32 32 18.9		402
1996 XB ₃₂	1996 12 21.73185	08 23 05.22	+32 32 20.2		402
1996 XC ₃₂	* 1996 12 14.70417	08 04 41.62	+22 01 30.7	18.3 V	402
1996 XC ₃₂	1996 12 14.70933	08 04 41.46	+22 01 30.8		402
1996 XC ₃₂	1996 12 14.71436	08 04 41.32	+22 01 31.6		402
1996 XC ₃₂	1996 12 21.59143	08 00 29.04	+22 11 28.5	19.0 V	402
1996 XC ₃₂	1996 12 21.59500	08 00 28.87	+22 11 29.2		402
1997 AC ₁₁	1997 01 12.61215	10 21 09.62	+12 57 43.4	17.4 V	402
1997 AC ₁₁	1997 01 12.61354	10 21 09.81	+12 57 57.9		402

1997 AC ₁₁	1997 01 12.61493	10 21 10.00	+12 58 11.2		402
1997 AC ₁₁	1997 01 15.60833	10 30 18.84	+22 50 23.0	17.5 V	402
1997 AC ₁₁	1997 01 15.60955	10 30 19.07	+22 50 41.5		402
1997 AC ₁₁	1997 01 15.61076	10 30 19.36	+22 50 57.3		402
1997 AC ₁₁	1997 01 15.61250	10 30 19.66	+22 51 20.4		402
1997 AC ₁₁	1997 01 15.61424	10 30 20.01	+22 51 45.5		402
1997 AC ₁₁	1997 01 15.61563	10 30 20.21	+22 52 03.6		402
1997 AC ₁₁	1997 01 16.61962	10 34 13.60	+26 53 24.1	17.6 V	402
1997 AC ₁₁	1997 01 16.62066	10 34 13.84	+26 53 39.4		402
1997 AC ₁₁	1997 01 16.62170	10 34 14.08	+26 53 55.0		402
1997 AR ₁₆	1997 01 15.70208	12 16 32.72	+06 39 57.4	17.5 V	402
1997 AR ₁₆	1997 01 15.70486	12 16 32.73	+06 39 56.6		402
1997 AR ₁₆	1997 01 15.70833	12 16 32.79	+06 39 55.6		402

403 Kani

T. Furuta, Mitsuike 17-2, Kakiya-Cho, Tokai, Aichi-Ken 477, Japan

Observer Y. Mizuno

Measurer T. Furuta

0.20-m $f/4.0$ hyperboloid astrocamera

GSC

1992 YM ₅	* 1992 12 18.57772	06 07 58.0	+22 42 08	16.5	403
1992 YM ₅	1992 12 18.58895	06 07 56.90	+22 42 13.3		403

408 Nyukasa

M. Hirasawa, 6-62, Minami Koshigaya 1 Chome, Koshigaya, Saitama-Kem, 343 Japan

Observers M. Hirasawa, S. Suzuki

Measurer K. Watanabe

0.30-m $f/2.7$ Schmidt camera

GSC

1997 AW ₁	1997 01 03.64583	08 22 36.98	+27 16 31.4	16.7	408
1997 AW ₁	1997 01 03.65347	08 22 36.50	+27 16 35.1		408
1997 AW ₁	1997 01 03.66666	08 22 35.96	+27 16 38.1		408
1997 AW ₁	1997 01 04.65764	08 21 40.35	+27 22 49.9	16.7	408
1997 AW ₁	1997 01 04.66563	08 21 39.88	+27 22 52.3		408
1997 AW ₁	1997 01 04.67917	08 21 39.00	+27 22 57.1		408
1997 AM ₂	1997 01 03.61458	08 35 33.54	+23 58 59.2	16.5	408
1997 AM ₂	1997 01 03.62222	08 35 33.10	+23 59 03.2		408
1997 AM ₂	1997 01 03.63542	08 35 32.31	+23 59 07.6		408
1997 AM ₂	1997 01 04.62431	08 34 33.26	+24 05 39.2	16.5	408
1997 AM ₂	1997 01 04.63264	08 34 32.71	+24 05 40.8		408
1997 AM ₂	1997 01 04.64583	08 34 31.91	+24 05 46.7		408

411 Oizumi

T. Kobayashi, 8-6, Nishi Koizumi 1 Chome, Oizumi, Ora-Gun, Gunma-Ken, 370-05 Japan [kobataka@oaa.iijnet.or.jp]

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

GSC

1982 UD ₆	1997 01 09.64417	09 42 08.45	+13 49 15.6	17.5	411
1982 UD ₆	1997 01 09.66420	09 42 07.60	+13 49 16.6		411
1982 UD ₆	1997 01 10.63751	09 41 27.07	+13 51 01.0		411
1982 UD ₆	1997 01 10.65520	09 41 26.26	+13 51 02.6		411
1986 QA ₁	1997 01 02.60031	08 02 15.61	+25 08 17.2	17	411

1986 QA ₁	1997 01 02.61382	08 02 14.85	+25 08 19.7	411	1993 BA	1997 01 11.57029	08 55 12.66	+21 15 39.8	411
1986 QA ₁	1997 01 03.48914	08 01 26.95	+25 11 40.0	411	1993 FO ₈	1997 01 02.67064	08 43 14.98	+21 53 19.9	17.5 411
1986 QA ₁	1997 01 03.49984	08 01 26.38	+25 11 42.8	411	1993 FO ₈	1997 01 02.69052	08 43 14.03	+21 53 25.6	411
1986 VX ₅	1997 01 09.69610	09 43 36.22	+16 31 57.5	17.5 411	1993 FO ₈	1997 01 03.53456	08 42 39.51	+21 57 37.8	411
1986 VX ₅	1997 01 09.72181	09 43 35.36	+16 32 05.1	411	1993 FO ₈	1997 01 03.55145	08 42 38.87	+21 57 43.2	411
1986 VX ₅	1997 01 10.64652	09 43 04.75	+16 36 47.6	411	1993 LR ₁	1997 01 09.74266	09 17 38.39	+12 23 27.7	17 411
1986 VX ₅	1997 01 10.66423	09 43 04.10	+16 36 52.9	411	1993 LR ₁	1997 01 09.75615	09 17 37.70	+12 23 25.4	411
1988 SN	1997 01 04.74447	09 00 59.94	+27 11 40.7	16.5 411	1993 LR ₁	1997 01 10.59821	09 17 01.19	+12 20 30.9	411
1988 SN	1997 01 04.75796	09 00 59.27	+27 11 44.0	411	1993 LR ₁	1997 01 10.60745	09 17 00.77	+12 20 28.9	411
1988 SN	1997 01 06.55087	08 59 23.54	+27 18 54.3	411	1994 CE ₂	1996 12 19.51295	05 19 39.00	+23 46 58.4	411
1988 SN	1997 01 06.56159	08 59 22.97	+27 18 56.8	411	1994 CE ₂	1996 12 19.52059	05 19 38.49	+23 46 58.6	411
1988 SN ₁	1996 12 14.65747	07 50 26.12	+18 51 07.4	18 411	1994 CL ₁₄	1996 12 14.59814	07 30 19.78	+20 33 02.3	17.5 411
1988 SN ₁	1996 12 14.67982	07 50 25.19	+18 51 12.9	411	1994 CL ₁₄	1996 12 14.61163	07 30 19.02	+20 33 03.9	411
1988 SN ₁	1996 12 19.62665	07 46 36.90	+19 11 54.5	411	1994 CL ₁₄	1996 12 16.66942	07 28 37.23	+20 41 46.1	411
1988 SN ₁	1996 12 19.63753	07 46 36.32	+19 11 57.9	411	1994 CL ₁₄	1996 12 16.68091	07 28 36.64	+20 41 49.4	411
1988 TE	1996 12 20.72728	08 05 43.54	+19 28 03.2	17 411	1994 GN	1997 01 07.64206	09 25 01.30	+22 29 24.7	17.5 411
1988 TE	1996 12 20.74885	08 05 42.48	+19 28 06.1	411	1994 GN	1997 01 07.65554	09 25 00.77	+22 29 29.2	411
1988 VT ₂	1997 01 06.58881	09 17 22.77	+14 26 26.9	18 411	1994 GN	1997 01 08.59325	09 24 21.87	+22 35 22.0	411
1988 VT ₂	1997 01 06.61024	09 17 21.79	+14 26 29.4	411	1994 GN	1997 01 08.60395	09 24 21.39	+22 35 26.6	411
1988 VT ₂	1997 01 07.61735	09 16 37.28	+14 28 54.2	411	1995 CS ₁	1997 01 09.46383	02 46 16.67	-09 00 17.6	411
1988 VT ₂	1997 01 07.62976	09 16 36.68	+14 28 56.8	411	1995 CS ₁	1997 01 09.47067	02 46 16.92	-09 00 14.9	411
1990 VX ₆	1997 01 14.57551	08 16 54.91	+24 39 52.6	17.5 411	1995 CS ₁	1997 01 09.48027	02 46 17.19	-09 00 10.6	411
1990 VX ₆	1997 01 14.59080	08 16 54.08	+24 39 57.7	411	1995 UL	1997 01 03.63308	08 27 53.11	+25 16 59.0	17.5 411
1990 VX ₆	1997 01 15.50992	08 16 05.51	+24 45 12.8	411	1995 UL	1997 01 03.64656	08 27 52.33	+25 17 01.3	411
1990 VX ₆	1997 01 15.51399	08 16 05.35	+24 45 15.1	411	1995 UL	1997 01 04.51084	08 27 08.33	+25 19 37.2	411
1991 RV ₄	1996 12 20.75988	08 06 59.68	+16 53 40.1	18.5 411	1995 UL	1997 01 04.52153	08 27 07.77	+25 19 37.4	411
1991 RV ₄	1996 12 20.78196	08 06 58.72	+16 53 41.4	411	1995 UG ₈	1997 01 06.59540	09 17 40.89	+16 01 50.7	18.5 411
1991 RV ₄	1996 12 21.72732	08 06 19.60	+16 54 28.1	411	1995 UG ₈	1997 01 06.61682	09 17 40.11	+16 01 54.4	411
1991 RV ₄	1996 12 21.74953	08 06 18.60	+16 54 29.3	411	1995 UG ₈	1997 01 07.62297	09 17 03.20	+16 04 28.3	411
1992 EA ₂₂	1997 01 09.79648	09 22 04.53	+11 18 00.1	17 411	1995 UG ₈	1997 01 07.63538	09 17 02.78	+16 04 29.8	411
1992 EA ₂₂	1997 01 09.80996	09 22 03.98	+11 18 04.8	411	1996 VH ₄	1996 12 29.50081	05 23 10.18	+27 07 48.4	17 411
1992 EA ₂₂	1997 01 10.60129	09 21 38.78	+11 22 09.2	411	1996 VH ₄	1996 12 29.50591	05 23 09.83	+27 07 49.4	411
1992 EA ₂₂	1997 01 10.61053	09 21 38.41	+11 22 12.0	411	1996 VH ₄	1996 12 30.50378	05 22 07.88	+27 11 37.7	411
1992 SB ₁₃	1996 12 20.66659	07 49 16.65	+26 28 59.0	411	1996 VH ₄	1996 12 30.50887	05 22 07.57	+27 11 39.0	411
1992 SB ₁₃	1996 12 20.68007	07 49 16.05	+26 29 02.3	411	1996 VA ₆	1996 12 19.48330	04 57 53.47	+20 55 05.7	411
1992 SK ₁₃	1997 01 02.66072	08 43 33.35	+19 33 46.1	17.5 411	1996 VA ₆	1996 12 19.49649	04 57 52.57	+20 55 11.3	411
1992 SK ₁₃	1997 01 02.68058	08 43 32.13	+19 33 47.9	411	1996 VB ₆	1996 12 19.48777	05 02 49.91	+19 21 24.9	411
1992 SK ₁₃	1997 01 03.53831	08 42 43.79	+19 35 16.5	411	1996 VB ₆	1996 12 19.50097	05 02 49.24	+19 21 25.9	411
1992 SK ₁₃	1997 01 03.55520	08 42 42.73	+19 35 19.0	411	1996 VD ₆	1996 12 19.50832	05 12 33.85	+18 09 55.0	411
1992 SK ₁₃	1997 01 14.61066	08 30 52.34	+19 56 46.0	411	1996 VD ₆	1996 12 19.51596	05 12 33.47	+18 09 54.2	411
1992 SK ₁₃	1997 01 14.62900	08 30 51.06	+19 56 48.0	411	1996 VE ₆	1996 12 19.49065	05 06 36.36	+18 14 13.7	411
1992 WT ₃	1996 12 19.61296	07 08 48.29	+23 13 03.9	17 411	1996 VE ₆	1996 12 19.50384	05 06 35.51	+18 14 12.7	411
1992 WT ₃	1996 12 19.62030	07 08 47.86	+23 13 06.9	411	1996 WA	1996 12 28.46643	04 31 43.34	+28 03 58.3	411
1992 WT ₃	1996 12 20.61238	07 07 56.18	+23 20 47.5	411	1996 WA	1996 12 28.47867	04 31 42.75	+28 03 58.1	411
1992 WT ₃	1996 12 20.61748	07 07 55.88	+23 20 50.2	411	1996 WB	1996 12 28.46950	04 39 45.32	+31 43 42.6	411
1992 WO ₅	1997 01 10.68397	08 58 07.72	+20 09 29.8	17 411	1996 WB	1996 12 28.48174	04 39 44.65	+31 43 45.0	411
1992 WO ₅	1997 01 10.69745	08 58 06.87	+20 09 35.2	411	1996 WC	1996 12 19.47168	04 56 23.89	+29 14 44.0	411
1992 WO ₅	1997 01 11.56413	08 57 22.46	+20 14 44.1	411	1996 WC	1996 12 19.48037	04 56 23.37	+29 14 44.6	411
1992 WO ₅	1997 01 11.57494	08 57 21.84	+20 14 48.3	411	1996 WC	1996 12 20.56084	04 55 24.08	+29 15 14.1	411
1993 BA	1997 01 10.68843	08 55 54.38	+21 07 50.1	16.5 411	1996 WC	1996 12 20.57104	04 55 23.52	+29 15 14.2	411
1993 BA	1997 01 10.70191	08 55 53.61	+21 07 57.5	411	1996 WC	1996 12 28.47715	04 49 05.78	+29 15 29.1	411
1993 BA	1997 01 11.55952	08 55 13.20	+21 15 33.8	411	1996 WC	1996 12 28.48939	04 49 05.24	+29 15 29.3	411

1996 WD	1996 12 19.46575	04 54 20.91	+28 42 35.5	411	1996 XB ₁	1996 12 19.47168	04 56 07.10	+29 15 00.6	411
1996 WD	1996 12 19.47444	04 54 20.32	+28 42 36.5	411	1996 XB ₁	1996 12 19.48037	04 56 06.64	+29 14 59.4	411
1996 WD	1996 12 28.47102	04 45 41.22	+29 01 21.5	411	1996 XB ₁	1996 12 29.45038	04 47 27.26	+29 20 48.4	411
1996 WD	1996 12 28.48327	04 45 40.57	+29 01 23.0	411	1996 XB ₁	1996 12 29.45718	04 47 26.94	+29 20 48.7	411
1996 WY	1996 12 19.50988	05 13 27.66	+27 32 19.6	411	1996 XB ₁	1996 12 30.48057	04 46 39.80	+29 21 04.7	411
1996 WY	1996 12 19.51752	05 13 27.06	+27 32 20.4	411	1996 XB ₁	1996 12 30.48737	04 46 39.49	+29 21 04.7	411
1996 WY	1996 12 28.50012	05 03 34.67	+27 47 03.9	411	1996 XC ₁	1996 12 19.48480	05 00 47.32	+19 38 58.3	411
1996 WY	1996 12 28.51698	05 03 33.63	+27 47 03.8	411	1996 XC ₁	1996 12 19.49800	05 00 46.56	+19 38 57.1	411
1996 WZ	1996 12 19.52358	05 20 33.47	+30 47 53.5	411	1996 XC ₁	1996 12 28.49246	04 51 58.30	+19 26 22.6	411
1996 WZ	1996 12 19.53098	05 20 32.99	+30 47 54.5	411	1996 XC ₁	1996 12 28.50933	04 51 57.38	+19 26 21.1	411
1996 WZ	1996 12 28.50626	05 11 50.36	+31 00 46.0	411	1996 XD ₁	1996 12 19.57308	06 53 54.38	+23 07 37.2	411
1996 WZ	1996 12 28.52313	05 11 49.42	+31 00 47.1	411	1996 XD ₁	1996 12 19.58505	06 53 53.55	+23 07 39.9	411
1996 WA ₁	1996 12 19.51442	05 20 33.24	+24 52 51.1	411	1996 XD ₁	1996 12 28.57909	06 42 55.75	+23 33 06.1	411
1996 WA ₁	1996 12 19.52206	05 20 32.67	+24 52 50.0	411	1996 XD ₁	1996 12 28.59437	06 42 54.58	+23 33 09.1	411
1996 WA ₁	1996 12 28.50320	05 10 55.86	+24 27 10.7	411	1996 XE ₁	1996 12 19.57611	06 56 20.05	+23 22 14.9	411
1996 WA ₁	1996 12 28.52008	05 10 54.82	+24 27 06.8	411	1996 XE ₁	1996 12 19.58807	06 56 19.41	+23 22 12.8	411
1996 WB ₁	1996 12 19.52508	05 20 48.26	+28 08 14.1	411	1996 XE ₁	1996 12 28.60354	06 48 01.05	+23 08 38.7	411
1996 WB ₁	1996 12 19.53247	05 20 47.75	+28 08 13.6	411	1996 XE ₁	1996 12 28.61729	06 48 00.23	+23 08 36.6	411
1996 WB ₁	1996 12 28.50473	05 11 49.54	+27 49 43.7	411	1996 XF ₁	1996 12 19.49361	05 08 35.38	+22 20 55.9	411
1996 WB ₁	1996 12 28.52160	05 11 48.62	+27 49 41.5	411	1996 XF ₁	1996 12 19.50681	05 08 34.65	+22 20 56.0	411
1996 WQ ₁	1996 12 14.45730	03 37 43.39	+17 43 41.8	411	1996 XF ₁	1996 12 29.47260	05 00 26.48	+22 29 24.0	411
1996 WQ ₁	1996 12 14.46483	03 37 42.99	+17 43 40.8	411	1996 XF ₁	1996 12 29.47940	05 00 26.18	+22 29 24.6	411
1996 WQ ₁	1996 12 28.42789	03 29 06.21	+17 13 26.8	411	1996 XG ₁	1996 12 19.49213	05 06 46.24	+20 01 28.1	411
1996 WQ ₁	1996 12 28.42959	03 29 06.18	+17 13 26.4	411	1996 XG ₁	1996 12 19.50532	05 06 45.36	+20 01 26.5	411
1996 WR ₁	1996 12 14.47785	04 33 21.22	+18 18 15.5	411	1996 XG ₁	1996 12 28.49705	04 58 18.66	+19 48 27.0	411
1996 WR ₁	1996 12 14.49010	04 33 20.54	+18 18 14.3	411	1996 XG ₁	1996 12 28.51392	04 58 17.81	+19 48 26.6	411
1996 WR ₁	1996 12 29.42661	04 21 35.82	+17 50 23.0	411	1996 XH ₁	1996 12 19.46723	04 55 12.52	+26 26 32.0	411
1996 WR ₁	1996 12 29.43344	04 21 35.58	+17 50 22.9	411	1996 XH ₁	1996 12 19.47592	04 55 11.42	+26 26 42.7	411
1996 WS ₁	1996 12 14.49280	04 43 04.02	+23 08 47.7	411	1996 XH ₁	1996 12 28.46796	04 38 56.95	+29 05 24.8	411
1996 WS ₁	1996 12 14.49893	04 43 03.72	+23 08 47.6	411	1996 XH ₁	1996 12 28.48020	04 38 55.63	+29 05 36.7	411
1996 WS ₁	1996 12 28.45269	04 31 03.09	+22 17 01.0	411	1996 XJ ₁	1996 12 14.55405	07 05 41.25	+24 18 08.9	411
1996 WS ₁	1996 12 28.46122	04 31 02.59	+22 17 00.5	411	1996 XJ ₁	1996 12 14.57370	07 05 40.15	+24 18 12.6	411
1996 WT ₁	1996 12 14.50727	05 01 21.79	+21 29 31.0	411	1996 XJ ₁	1996 12 28.61271	06 50 50.07	+24 57 16.6	411
1996 WT ₁	1996 12 14.51744	05 01 21.25	+21 29 29.9	411	1996 XJ ₁	1996 12 28.62645	06 50 49.17	+24 57 20.1	411
1996 WT ₁	1996 12 19.48192	04 57 24.35	+21 23 28.5	411	1996 XK ₁	1996 12 28.63409	06 51 54.34	+23 10 22.4	411
1996 WT ₁	1996 12 19.49512	04 57 23.73	+21 23 27.0	411	1996 XK ₁	1996 12 28.64939	06 51 53.26	+23 10 22.2	411
1996 WT ₁	1996 12 28.49093	04 51 32.49	+21 14 55.7	411	1996 XL ₁	1996 12 28.63867	06 53 49.54	+25 45 09.8	411
1996 WT ₁	1996 12 28.50781	04 51 31.94	+21 14 55.3	411	1996 XL ₁	1996 12 28.65398	06 53 48.46	+25 45 15.4	411
1996 WU ₁	1996 12 14.51985	05 08 03.74	+19 50 53.8	411	1996 XM ₁	1996 12 29.55459	06 58 26.81	+23 33 27.0	411
1996 WU ₁	1996 12 14.53001	05 08 03.24	+19 50 55.3	411	1996 XM ₁	1996 12 29.56482	06 58 26.18	+23 33 28.4	411
1996 WU ₁	1996 12 19.48918	05 03 31.61	+20 01 44.4	411	1996 XN ₁	1996 12 28.68544	06 57 02.93	+24 48 04.6	411
1996 WU ₁	1996 12 19.50237	05 03 30.94	+20 01 46.0	411	1996 XN ₁	1996 12 28.69766	06 57 02.00	+24 48 08.0	411
1996 WU ₁	1996 12 28.49553	04 55 56.47	+20 22 11.3	411	1996 XN ₁	1997 01 13.49405	06 40 12.07	+25 48 57.8	411
1996 WU ₁	1996 12 28.51239	04 55 55.69	+20 22 12.8	411	1996 XN ₁	1997 01 13.50476	06 40 11.36	+25 48 58.6	411
1996 XY	1996 12 20.57967	05 00 42.07	+21 55 57.1	411	1996 XO ₁	1996 12 28.66865	06 56 31.44	+23 29 43.0	411
1996 XY	1996 12 20.58817	05 00 41.59	+21 55 57.1	411	1996 XO ₁	1996 12 28.68086	06 56 30.63	+23 29 42.2	411
1996 XY	1996 12 28.49399	04 53 31.06	+22 10 52.5	411	1996 XP ₁	1996 12 19.51144	05 18 45.43	+19 10 56.9	411
1996 XY	1996 12 28.51086	04 53 30.28	+22 10 54.1	411	1996 XP ₁	1996 12 19.51907	05 18 44.97	+19 10 54.7	411
1996 XA ₁	1996 12 20.54795	04 52 56.15	+29 02 50.5	411	1996 XP ₁	1996 12 29.49224	05 09 59.72	+18 21 35.3	411
1996 XA ₁	1996 12 20.55604	04 52 55.72	+29 02 51.2	411	1996 XP ₁	1996 12 29.49735	05 09 59.51	+18 21 33.6	411
1996 XA ₁	1996 12 28.47255	04 45 51.29	+28 59 40.8	411	1996 XQ ₁	1996 12 19.61148	07 08 29.95	+24 15 28.0	411
1996 XA ₁	1996 12 28.48480	04 45 50.68	+28 59 41.8	411	1996 XQ ₁	1996 12 19.61883	07 08 29.58	+24 15 31.0	411

1996 XQ ₁	1996 12 28.71447	07 00 13.56	+25 23 51.5	411	1996 XJ ₅	1996 12 29.46217	04 47 46.67	+27 21 34.1	411
1996 XQ ₁	1996 12 28.74238	07 00 11.85	+25 24 04.5	411	1996 XJ ₅	1996 12 29.46727	04 47 46.45	+27 21 33.0	411
1996 XR ₁	1996 12 29.63690	07 03 15.15	+24 15 57.7	411	1996 XK ₅	1996 12 14.55055	07 04 15.51	+25 43 02.7	411
1996 XR ₁	1996 12 29.64205	07 03 14.91	+24 15 59.3	411	1996 XK ₅	1996 12 14.57019	07 04 14.39	+25 42 55.8	411
1996 XS ₁	1996 12 28.67170	06 57 16.40	+23 48 28.4	411	1996 XK ₅	1996 12 19.57910	06 59 03.61	+25 11 05.0	411
1996 XS ₁	1996 12 28.68391	06 57 15.63	+23 48 28.7	411	1996 XK ₅	1996 12 19.59108	06 59 02.85	+25 10 59.1	411
1996 XT ₁	1996 12 28.71294	06 59 58.12	+24 31 23.7	411	1996 XK ₅	1996 12 28.60506	06 48 35.15	+24 08 42.3	411
1996 XT ₁	1996 12 28.72516	06 59 57.39	+24 31 24.3	411	1996 XK ₅	1996 12 28.61882	06 48 34.06	+24 08 35.4	411
1996 XU ₁	1996 12 19.56339	07 10 03.16	+23 37 25.5	411	1996 XL ₅	1996 12 19.54096	06 36 16.87	+23 26 15.6	411
1996 XU ₁	1996 12 19.57601	07 10 02.51	+23 37 29.2	411	1996 XL ₅	1996 12 19.55700	06 36 15.84	+23 26 23.6	411
1996 XU ₁	1996 12 28.71600	07 00 38.38	+24 26 04.1	411	1996 XL ₅	1996 12 28.54242	06 26 30.56	+24 38 30.3	411
1996 XU ₁	1996 12 28.72822	07 00 37.54	+24 31 23.7	411	1996 XL ₅	1996 12 28.55617	06 26 29.59	+24 38 36.8	411
1996 XV ₁	1996 12 20.59717	07 07 04.11	+23 19 58.3	411	1996 XL ₅	1997 01 12.44071	06 11 05.98	+26 25 02.6	411
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1996 XV ₁	1996 12 28.69002	06 57 56.64	+23 15 09.4	411	1996 XM ₅	1996 12 14.55405	07 05 48.52	+24 28 41.4	411
1996 XV ₁	1996 12 28.70225	06 57 55.79	+23 15 09.3	411	1996 XM ₅	1996 12 14.57370	07 05 47.24	+24 28 43.6	411
1996 XU ₂	1996 12 30.51613	06 56 44.82	+22 53 21.4	411	1996 XM ₅	1996 12 28.61118	06 50 20.63	+24 29 15.9	411
1996 XU ₂	1996 12 30.52637	06 56 44.20	+22 53 21.6	411	1996 XM ₅	1996 12 28.62493	06 50 19.56	+24 29 15.9	411
1996 XW ₂	1996 12 19.52656	05 31 01.25	+27 36 56.9	411	1996 XN ₅	1996 12 14.55777	07 06 34.65	+25 11 00.7	411
1996 XW ₂	1996 12 19.53395	05 31 00.79	+27 36 58.3	411	1996 XN ₅	1996 12 14.57742	07 06 33.69	+25 11 05.8	411
1996 XW ₂	1996 12 28.52753	05 21 03.88	+28 22 00.1	411	1996 XN ₅	1996 12 28.63561	06 53 15.10	+26 06 39.1	411
1996 XW ₂	1996 12 28.53504	05 21 03.24	+28 22 01.6	411	1996 XN ₅	1996 12 28.65091	06 53 14.07	+26 06 42.6	411
1996 XX ₂	1996 12 19.52796	05 33 34.35	+27 02 28.8	411	1996 XO ₅	1996 12 14.55405	07 05 43.33	+24 32 06.7	411
1996 XX ₂	1996 12 19.53535	05 33 33.89	+27 02 29.5	411	1996 XO ₅	1996 12 14.57370	07 05 42.12	+24 32 03.0	411
1996 XX ₂	1996 12 29.50081	05 23 23.84	+26 56 21.7	411	1996 XO ₅	1996 12 28.63103	06 51 13.20	+23 46 22.7	411
1996 XX ₂	1996 12 29.50591	05 23 23.54	+26 56 21.3	411	1996 XO ₅	1996 12 28.64633	06 51 12.26	+23 46 19.6	411
1996 XZ ₂	1996 12 19.58061	06 59 27.36	+22 23 07.7	411	1996 XP ₅	1996 12 14.55964	07 06 07.53	+26 30 04.2	411
1996 XZ ₂	1996 12 19.59256	06 59 26.84	+22 23 11.8	411	1996 XP ₅	1996 12 14.57928	07 06 06.24	+26 30 07.3	411
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1996 XA ₃	1996 12 19.52944	05 37 17.91	+24 41 26.8	411	1996 XQ ₅	1996 12 19.54247	06 37 58.35	+24 46 22.5	411
1996 XA ₃	1996 12 19.53683	05 37 17.33	+24 41 24.5	411	1996 XQ ₅	1996 12 19.55851	06 37 57.24	+24 46 25.7	411
1996 XA ₃	1996 12 28.53129	05 27 56.92	+23 37 01.4	411	1996 XQ ₅	1996 12 28.54395	06 27 35.31	+25 12 40.8	411
1996 XA ₃	1996 12 28.53879	05 27 56.50	+23 36 58.0	411	1996 XQ ₅	1996 12 28.55770	06 27 34.32	+25 12 43.8	411
1996 XB ₃	1996 12 19.58210	06 59 29.45	+19 27 45.2	411	1996 XQ ₅	1997 01 12.43055	06 11 03.49	+25 44 16.1	411
1996 XB ₃	1996 12 19.59406	06 59 28.81	+19 27 47.0	411	1996 XQ ₅	1997 01 12.43889	06 11 02.98	+25 44 17.0	411
1996 XB ₃	1996 12 28.60660	06 49 56.12	+19 45 51.9	411	1996 XR ₅	1996 12 14.55591	07 06 28.92	+29 44 59.2	411
1996 XB ₃	1996 12 28.62035	06 49 55.17	+19 45 53.1	411	1996 XR ₅	1996 12 14.57556	07 06 27.62	+29 45 07.0	411
1996 XC ₃	1996 12 28.64172	06 54 28.88	+20 33 56.5	411	1996 XR ₅	1996 12 28.62797	06 50 59.60	+31 03 42.1	411
1996 XC ₃	1996 12 28.65704	06 54 28.12	+20 34 00.4	411	1996 XR ₅	1996 12 28.64328	06 50 58.53	+31 03 46.4	411
1996 XD ₃	1996 12 19.58358	06 59 54.92	+20 35 45.8	411	1996 XR ₅	1996 12 29.51855	06 49 55.94	+31 07 41.6	411
1996 XD ₃	1996 12 19.59554	06 59 54.16	+20 35 47.6	411	1996 XR ₅	1996 12 29.52535	06 49 55.50	+31 07 44.3	411
1996 XD ₃	1996 12 28.60965	06 50 06.70	+20 55 12.9	411	1996 XS ₅	1996 12 19.54704	06 44 22.54	+22 46 20.0	411
1996 XD ₃	1996 12 28.62340	06 50 05.63	+20 55 15.7	411	1996 XS ₅	1996 12 19.56308	06 44 21.76	+22 46 23.0	411
1996 XE ₃	1996 12 28.64020	06 54 30.89	+21 07 06.1	411	1996 XS ₅	1996 12 28.55465	06 36 19.86	+23 13 23.4	411
1996 XE ₃	1996 12 28.65551	06 54 30.15	+21 07 07.0	411	1996 XS ₅	1996 12 28.56840	06 36 19.07	+23 13 26.4	411
1996 XF ₃	1996 12 28.66101	06 54 41.00	+21 44 20.3	411	1996 XT ₅	1996 12 14.58454	07 08 24.03	+25 24 06.9	411
1996 XF ₃	1996 12 28.67322	06 54 40.33	+21 44 21.8	411	1996 XT ₅	1996 12 14.60255	07 08 23.22	+25 24 05.9	411
1996 XG ₃	1996 12 28.53317	05 29 22.34	+28 38 33.0	411	1996 XT ₅	1996 12 29.53253	06 54 42.46	+25 02 54.9	411
1996 XG ₃	1996 12 28.54067	05 29 21.91	+28 38 32.9	411	1996 XT ₅	1996 12 29.53424	06 54 42.37	+25 02 55.5	411
1996 XJ ₅	1996 12 19.47021	04 56 22.84	+28 06 18.5	411	1996 XT ₅	1996 12 29.53934	06 54 42.02	+25 02 54.6	411
1996 XJ ₅	1996 12 19.47889	04 56 22.36	+28 06 16.8	411	1996 XU ₅	1996 12 14.58099	07 08 00.85	+26 10 06.4	411

1996 XU ₅	1996 12 14.59900	07 07 59.93	+26 10 06.5	411	1996 XF ₆	1996 12 28.59895	06 45 22.87	+25 55 07.3	411
1996 XU ₅	1996 12 28.66253	06 55 15.59	+26 05 52.0	411	1996 XQ ₁₁	1997 01 02.62502	08 05 08.90	+24 06 27.8	411
1996 XU ₅	1996 12 28.67475	06 55 14.97	+26 05 52.5	411	1996 XQ ₁₁	1997 01 02.63852	08 05 08.03	+24 06 32.4	411
1996 XV ₅	1996 12 14.58276	07 07 52.42	+26 54 47.3	411	1996 XP ₁₃	1996 12 14.58813	07 09 19.70	+27 58 49.3	411
1996 XV ₅	1996 12 14.60078	07 07 51.52	+26 54 46.2	411	1996 XP ₁₃	1996 12 14.60614	07 09 19.08	+27 58 59.5	411
1996 XV ₅	1996 12 28.63714	06 53 34.98	+26 30 06.9	411	1996 XP ₁₃	1996 12 28.69613	06 59 02.61	+29 57 20.1	411
1996 XV ₅	1996 12 28.65245	06 53 33.87	+26 30 03.9	411	1996 XP ₁₃	1996 12 28.70836	06 59 01.83	+29 57 26.7	411
1996 XW ₅	1996 12 14.58637	07 09 01.99	+27 20 28.6	411	1996 XP ₁₃	1997 01 13.49710	06 45 19.98	+31 36 23.8	411
1996 XW ₅	1996 12 14.60439	07 09 01.10	+27 20 29.4	411	1996 XP ₁₃	1997 01 13.50783	06 45 19.49	+31 36 27.6	411
1996 XW ₅	1996 12 28.66712	06 56 29.37	+27 13 06.5	411	1996 XW ₁₈	1997 01 02.65741	08 43 16.62	+18 52 22.0	17 411
1996 XW ₅	1996 12 28.67933	06 56 28.64	+27 13 05.5	411	1996 XW ₁₈	1997 01 02.67727	08 43 15.68	+18 52 29.0	411
1996 XX ₅	1996 12 19.55139	06 47 06.99	+23 21 10.7	411	1996 XW ₁₈	1997 01 03.53644	08 42 34.50	+18 57 40.6	411
1996 XX ₅	1996 12 19.56744	06 47 06.08	+23 21 10.1	411	1996 XW ₁₈	1997 01 03.55332	08 42 33.72	+18 57 47.3	411
1996 XX ₅	1996 12 28.57451	06 38 45.86	+23 19 19.3	411	1996 XZ ₁₈	1996 12 19.59966	07 01 17.27	+27 25 32.9	411
1996 XX ₅	1996 12 28.58979	06 38 45.04	+23 19 18.3	411	1996 XZ ₁₈	1996 12 19.60814	07 01 16.73	+27 25 34.9	411
1996 XY ₅	1996 12 14.54349	06 51 42.22	+24 24 54.6	411	1996 XZ ₁₈	1996 12 28.62950	06 50 57.20	+27 56 24.0	411
1996 XY ₅	1996 12 14.56313	06 51 41.42	+24 24 57.8	411	1996 XZ ₁₈	1996 12 28.64480	06 50 56.04	+27 56 27.6	411
1996 XY ₅	1996 12 19.55419	06 48 00.46	+24 37 22.4	411	1996 XZ ₁₈	1997 01 14.50394	06 32 10.63	+28 27 39.4	411
1996 XY ₅	1996 12 19.57024	06 47 59.65	+24 37 25.0	411	1996 XZ ₁₈	1997 01 14.51414	06 32 10.03	+28 27 41.5	411
1996 XY ₅	1996 12 28.57756	06 40 54.71	+24 58 41.9	411	1996 XC ₁₉	1996 12 18.67322	06 41 12.66	+20 01 32.7	411
1996 XY ₅	1996 12 28.59284	06 40 53.99	+24 58 43.3	411	1996 XC ₁₉	1996 12 18.68907	06 41 11.77	+20 01 36.5	411
1996 XZ ₅	1996 12 14.59547	07 10 11.91	+24 43 12.1	411	1996 XC ₁₉	1996 12 28.54854	06 32 18.20	+20 37 44.9	411
1996 XZ ₅	1996 12 14.61349	07 10 11.07	+24 43 10.5	411	1996 XC ₁₉	1996 12 28.56229	06 32 17.44	+20 37 48.5	411
1996 XZ ₅	1996 12 28.68697	06 57 22.12	+24 25 40.8	411	1996 XC ₁₉	1997 01 13.46954	06 18 12.99	+21 36 14.5	411
1996 XZ ₅	1996 12 28.69919	06 57 21.31	+24 25 38.9	411	1996 XC ₁₉	1997 01 13.48180	06 18 12.40	+21 36 17.4	411
1996 XA ₆	1996 12 14.58997	07 09 45.64	+25 54 38.6	411	1996 XD ₁₉	1996 12 18.67471	06 42 08.34	+17 17 31.7	411
1996 XA ₆	1996 12 14.60798	07 09 44.78	+25 54 38.1	411	1996 XD ₁₉	1996 12 18.69057	06 42 07.40	+17 17 30.8	411
1996 XA ₆	1996 12 28.67017	06 56 53.99	+25 54 07.8	411	1996 XD ₁₉	1996 12 28.54701	06 31 56.64	+17 08 16.8	411
1996 XA ₆	1996 12 28.68238	06 56 53.20	+25 54 07.9	411	1996 XD ₁₉	1996 12 28.56076	06 31 55.72	+17 08 15.9	411
1996 XB ₆	1996 12 14.59178	07 09 59.99	+26 58 19.5	411	1996 XD ₁₉	1997 01 13.46494	06 15 40.31	+17 05 00.3	411
1996 XB ₆	1996 12 14.60980	07 09 59.00	+26 58 28.2	411	1996 XD ₁₉	1997 01 13.47719	06 15 39.52	+17 05 01.2	411
1996 XB ₆	1996 12 28.66559	06 56 04.98	+28 56 49.8	411	1996 XE ₁₉	1996 12 18.67607	06 43 14.34	+17 35 36.6	411
1996 XB ₆	1996 12 28.67780	06 56 04.09	+28 56 55.0	411	1996 XE ₁₉	1996 12 18.70929	06 43 12.59	+17 35 38.4	411
1996 XC ₆	1996 12 14.54687	06 52 41.46	+24 00 35.7	411	1996 XE ₁₉	1996 12 18.71060	06 43 12.48	+17 35 38.9	411
1996 XC ₆	1996 12 14.56651	06 52 40.38	+24 00 35.9	411	1996 XE ₁₉	1996 12 19.54553	06 42 28.59	+17 36 12.5	411
1996 XC ₆	1996 12 19.55279	06 47 56.60	+24 00 05.2	411	1996 XE ₁₉	1996 12 19.56156	06 42 27.79	+17 36 12.9	411
1996 XC ₆	1996 12 19.56884	06 47 55.58	+24 00 04.9	411	1996 XE ₁₉	1996 12 28.55159	06 34 19.74	+17 43 45.9	411
1996 XC ₆	1996 12 28.57298	06 38 31.65	+23 57 31.1	411	1996 XE ₁₉	1996 12 28.56534	06 34 18.99	+17 43 47.1	411
1996 XC ₆	1996 12 28.58826	06 38 30.62	+23 57 30.5	411	1996 XE ₁₉	1997 01 13.47260	06 20 29.70	+18 02 11.9	411
1996 XD ₆	1996 12 14.59362	07 10 09.27	+28 59 07.1	411	1996 XE ₁₉	1997 01 13.48487	06 20 29.06	+18 02 12.0	411
1996 XD ₆	1996 12 14.61164	07 10 08.38	+28 59 16.1	411	1996 XF ₁₉	1996 12 14.53457	06 47 04.00	+19 12 28.7	411
1996 XD ₆	1996 12 28.68850	06 57 45.44	+30 46 40.0	411	1996 XF ₁₉	1996 12 14.54135	06 47 03.60	+19 12 27.5	411
1996 XD ₆	1996 12 28.70072	06 57 44.66	+30 46 45.7	411	1996 XF ₁₉	1996 12 19.54399	06 41 42.87	+19 05 00.8	411
1996 XE ₆	1996 12 14.54349	06 52 12.11	+24 29 13.3	411	1996 XF ₁₉	1996 12 19.56003	06 41 41.85	+19 04 58.7	411
1996 XE ₆	1996 12 14.56313	06 52 10.88	+24 29 06.9	411	1996 XF ₁₉	1996 12 28.54548	06 31 27.93	+18 54 11.1	411
1996 XE ₆	1996 12 19.54998	06 47 00.64	+24 00 24.2	411	1996 XF ₁₉	1996 12 28.55923	06 31 26.87	+18 54 09.1	411
1996 XE ₆	1996 12 19.56603	06 46 59.58	+24 00 18.7	411	1996 XF ₁₉	1997 01 13.46341	06 14 43.03	+18 42 39.7	411
1996 XE ₆	1996 12 28.57145	06 36 50.82	+23 05 16.1	411	1996 XF ₁₉	1997 01 13.47566	06 14 42.29	+18 42 39.8	411
1996 XE ₆	1996 12 28.58673	06 36 49.76	+23 05 10.8	411	1996 XG ₁₉	1996 12 18.67748	06 45 26.69	+17 39 24.3	411
1996 XF ₆	1996 12 14.54876	06 57 23.11	+25 30 05.0	411	1996 XG ₁₉	1996 12 18.71200	06 45 24.63	+17 39 26.9	411
1996 XF ₆	1996 12 14.56840	06 57 22.12	+25 30 08.1	411	1996 XG ₁₉	1996 12 28.55312	06 34 53.71	+17 56 47.5	411
1996 XF ₆	1996 12 28.58367	06 45 23.78	+25 55 06.2	411	1996 XG ₁₉	1996 12 28.56687	06 34 52.80	+17 56 49.0	411

1996 XG ₁₉	1997 01 13.46800	06 17 54.58	+18 36 20.7	411	1996 XS ₁₉	1996 12 19.45711	04 55 50.26	+28 29 29.2	411
1996 XG ₁₉	1997 01 13.48027	06 17 53.93	+18 36 22.9	411	1996 XS ₁₉	1996 12 19.45987	04 55 50.04	+28 29 27.1	411
1996 XH ₁₉	1996 12 18.67898	06 46 44.35	+21 59 00.5	411	1996 XS ₁₉	1996 12 28.41627	04 47 59.90	+27 43 21.0	411
1996 XH ₁₉	1996 12 18.71351	06 46 42.31	+21 59 13.3	411	1996 XS ₁₉	1996 12 28.42167	04 47 59.74	+27 43 21.2	411
1996 XH ₁₉	1996 12 28.56992	06 36 29.81	+23 02 25.0	411	1996 XT ₁₉	1996 12 18.66565	06 45 33.57	+21 08 31.5	411
1996 XH ₁₉	1996 12 28.58520	06 36 28.78	+23 02 30.6	411	1996 XT ₁₉	1996 12 18.66968	06 45 33.34	+21 08 31.1	411
1996 XH ₁₉	1997 01 13.47106	06 19 34.11	+24 40 29.5	411	1996 XT ₁₉	1996 12 19.54849	06 44 36.44	+21 08 18.6	411
1996 XH ₁₉	1997 01 13.48333	06 19 33.33	+24 40 33.9	411	1996 XT ₁₉	1996 12 19.56454	06 44 35.36	+21 08 19.4	411
1996 XJ ₁₉	1996 12 18.68048	06 48 26.48	+18 46 48.6	411	1996 XT ₁₉	1996 12 28.55006	06 34 15.29	+21 06 44.2	411
1996 XJ ₁₉	1996 12 18.71501	06 48 24.58	+18 46 48.3	411	1996 XT ₁₉	1996 12 28.56381	06 34 14.29	+21 06 44.0	411
1996 XJ ₁₉	1996 12 28.57604	06 38 59.24	+18 49 24.0	411	1996 XT ₁₉	1997 01 13.46647	06 16 22.38	+21 04 03.1	411
1996 XJ ₁₉	1996 12 28.59131	06 38 58.32	+18 49 25.1	411	1996 XT ₁₉	1997 01 13.47873	06 16 21.65	+21 04 02.9	411
1996 XJ ₁₉	1997 01 13.47413	06 23 47.37	+18 58 44.9	411	1996 XU ₁₉	1996 12 19.61595	07 14 59.06	+21 12 37.8	411
1996 XJ ₁₉	1997 01 13.48641	06 23 46.77	+18 58 46.5	411	1996 XU ₁₉	1996 12 19.62329	07 14 58.72	+21 12 37.9	411
1996 XK ₁₉	1996 12 18.68196	06 53 17.89	+18 16 11.3	411	1996 XU ₁₉	1996 12 29.57884	07 05 35.55	+21 19 30.0	411
1996 XK ₁₉	1996 12 18.71649	06 53 16.14	+18 16 20.1	411	1996 XU ₁₉	1996 12 29.58809	07 05 35.02	+21 19 30.2	411
1996 XK ₁₉	1996 12 28.58062	06 44 34.73	+19 02 03.9	411	1996 XU ₁₉	1997 01 13.51244	06 49 55.28	+21 31 11.8	411
1996 XK ₁₉	1996 12 28.59590	06 44 33.85	+19 02 07.7	411	1996 XU ₁₉	1997 01 13.52011	06 49 54.82	+21 31 12.1	411
1996 XK ₁₉	1997 01 13.45302	06 30 20.85	+20 19 54.5	411	1996 XV ₁₉	1996 12 21.52410	07 12 41.07	+19 21 51.8	411
1996 XK ₁₉	1997 01 13.45831	06 30 20.59	+20 19 56.8	411	1996 XV ₁₉	1996 12 21.53215	07 12 40.63	+19 21 52.4	411
1996 XL ₁₉	1996 12 19.61296	07 08 50.51	+23 13 20.6	411	1996 XV ₁₉	1996 12 28.71905	07 05 15.52	+19 32 59.2	411
1996 XL ₁₉	1996 12 19.62030	07 08 50.06	+23 13 21.9	411	1996 XV ₁₉	1996 12 29.57730	07 04 20.87	+19 34 22.7	411
1996 XL ₁₉	1996 12 20.61408	07 07 54.56	+23 14 35.3	411	1996 XV ₁₉	1996 12 29.58654	07 04 20.27	+19 34 23.6	411
1996 XL ₁₉	1996 12 20.62258	07 07 54.06	+23 14 35.4	411	1996 XV ₁₉	1997 01 13.51090	06 48 31.31	+19 59 23.2	411
1996 XL ₁₉	1996 12 29.55459	06 58 46.62	+23 25 22.6	411	1996 XV ₁₉	1997 01 13.51857	06 48 30.81	+19 59 24.1	411
1996 XL ₁₉	1996 12 29.56482	06 58 46.00	+23 25 22.7	411	1996 XW ₁₉	1996 12 19.54912	07 20 07.70	+17 30 56.8	411
1996 XL ₁₉	1997 01 13.49557	06 42 54.72	+23 37 45.3	411	1996 XW ₁₉	1996 12 19.55993	07 20 07.11	+17 30 54.9	411
1996 XL ₁₉	1997 01 13.50630	06 42 53.98	+23 37 44.6	411	1996 XW ₁₉	1996 12 29.58038	07 10 24.61	+16 51 59.8	411
1996 XM ₁₉	1996 12 20.59717	07 06 25.11	+23 30 51.7	411	1996 XW ₁₉	1996 12 29.58964	07 10 23.99	+16 51 58.0	411
1996 XM ₁₉	1996 12 20.60568	07 06 24.66	+23 30 52.0	411	1996 XW ₁₉	1997 01 13.51396	06 54 23.64	+16 07 23.4	411
1996 XM ₁₉	1996 12 28.69461	06 58 44.70	+23 19 24.1	411	1996 XW ₁₉	1997 01 13.52165	06 54 23.19	+16 07 22.7	411
1996 XM ₁₉	1996 12 28.70683	06 58 43.97	+23 19 23.4	411	1996 XX ₁₉	1996 12 19.57761	06 56 59.80	+22 05 55.5	411
1996 XM ₁₉	1997 01 13.50936	06 43 27.70	+22 52 43.2	411	1996 XX ₁₉	1996 12 19.58957	06 56 59.02	+22 05 58.2	411
1996 XM ₁₉	1997 01 13.51703	06 43 27.36	+22 52 41.9	411	1996 XX ₁₉	1996 12 29.51108	06 45 19.01	+22 40 31.1	411
1996 XN ₁₉	1996 12 19.61148	07 07 49.35	+24 20 56.0	411	1996 XX ₁₉	1996 12 29.51617	06 45 18.63	+22 40 32.9	411
1996 XN ₁₉	1996 12 19.61883	07 07 48.85	+24 20 57.2	411	1996 XX ₁₉	1997 01 13.48793	06 28 04.04	+23 25 56.4	411
1996 XN ₁₉	1996 12 28.69155	06 58 07.73	+24 57 02.2	411	1996 XX ₁₉	1997 01 13.49864	06 28 03.28	+23 25 58.7	411
1996 XN ₁₉	1996 12 28.70377	06 58 06.82	+24 57 04.7	411	1996 XD ₂₂	1997 01 06.51434	08 12 05.33	+23 51 57.9	18 411
1996 XN ₁₉	1997 01 13.49405	06 40 00.42	+25 49 23.8	411	1996 XD ₂₂	1997 01 06.52285	08 12 04.78	+23 51 57.6	411
1996 XN ₁₉	1997 01 13.50476	06 39 59.83	+25 49 25.0	411	1996 XD ₂₂	1997 01 07.56020	08 11 04.21	+23 52 17.9	411
1996 XO ₁₉	1996 12 18.68336	06 55 45.85	+17 53 46.5	411	1996 XD ₂₂	1997 01 07.56701	08 11 03.84	+23 52 17.9	411
1996 XO ₁₉	1996 12 18.71790	06 55 44.01	+17 53 51.9	411	1996 XX ₂₅	1996 12 20.60125	07 43 58.82	+18 40 21.8	411
1996 XO ₁₉	1996 12 28.60201	06 46 35.33	+18 26 22.2	411	1996 XX ₂₅	1996 12 20.67512	07 43 55.51	+18 40 28.7	411
1996 XO ₁₉	1996 12 28.61576	06 46 34.50	+18 26 25.2	411	1996 XX ₂₅	1996 12 29.59898	07 36 50.04	+18 55 36.8	411
1996 XO ₁₉	1997 01 13.50171	06 31 27.52	+19 28 22.2	411	1996 XX ₂₅	1996 12 29.60989	07 36 49.44	+18 55 38.0	411
1996 XP ₁₉	1996 12 19.57459	06 54 47.03	+18 27 46.9	411	1996 XW ₃₀	* 1996 12 14.62505	07 32 43.59	+19 43 35.2	17 411
1996 XP ₁₉	1996 12 19.58656	06 54 46.30	+18 27 48.1	411	1996 XW ₃₀	1996 12 14.63853	07 32 42.97	+19 43 35.3	411
1996 XP ₁₉	1996 12 28.58215	06 45 17.20	+18 46 17.9	411	1996 XW ₃₀	1996 12 16.66255	07 30 55.15	+19 43 31.7	411
1996 XP ₁₉	1996 12 28.59742	06 45 16.14	+18 46 20.9	411	1996 XW ₃₀	1996 12 16.66795	07 30 54.84	+19 43 31.8	411
1996 XP ₁₉	1997 01 13.48946	06 29 09.09	+19 25 59.6	411	1996 XW ₃₀	1996 12 29.58192	07 17 15.54	+19 46 55.6	411
1996 XP ₁₉	1997 01 13.50017	06 29 08.53	+19 26 01.0	411	1996 XW ₃₀	1996 12 29.59119	07 17 14.87	+19 46 55.3	411
1996 XS ₁₉	1996 12 19.45289	04 55 50.43	+28 29 30.3	411	1996 XW ₃₀	1997 01 13.51550	06 59 22.72	+19 54 11.6	411

1996 XW ₃₀	1997 01 13.52319	06 59 22.17	+19 54 11.9		411	1996 XD ₃₁	1996 12 29.59429	07 28 06.74	+19 56 49.8		411
1996 XX ₃₀	* 1996 12 14.64889	07 50 26.86	+16 52 13.1	16.5	411	1996 XD ₃₁	1996 12 29.60520	07 28 05.99	+19 56 52.8		411
1996 XX ₃₀	1996 12 14.67124	07 50 26.08	+16 52 11.0		411	1996 XE ₃₁	* 1996 12 14.73509	07 53 40.42	+17 15 13.9	17	411
1996 XX ₃₀	1996 12 16.69108	07 49 16.03	+16 49 27.3		411	1996 XE ₃₁	1996 12 14.75578	07 53 39.57	+17 15 10.2		411
1996 XX ₃₀	1996 12 16.69993	07 49 15.69	+16 49 26.4		411	1996 XE ₃₁	1996 12 16.69408	07 52 19.94	+17 08 29.8		411
1996 XX ₃₀	1996 12 21.64362	07 45 53.54	+16 44 32.6		411	1996 XE ₃₁	1996 12 16.72802	07 52 18.45	+17 08 22.4		411
1996 XX ₃₀	1996 12 21.65350	07 45 53.08	+16 44 32.3		411	1996 XE ₃₁	1996 12 29.66182	07 40 56.20	+16 28 29.1		411
1996 XX ₃₀	1996 12 29.60208	07 39 10.65	+16 41 38.3		411	1996 XE ₃₁	1996 12 29.67105	07 40 55.58	+16 28 27.7		411
1996 XX ₃₀	1996 12 29.61304	07 39 10.02	+16 41 38.1		411	1996 XE ₃₁	1997 01 13.53867	07 24 27.05	+15 52 09.5		411
1996 XX ₃₀	1997 01 13.53712	07 24 22.69	+16 49 27.0		411	1996 XE ₃₁	1997 01 13.55273	07 24 26.03	+15 52 08.2		411
1996 XX ₃₀	1997 01 13.55116	07 24 21.79	+16 49 27.5		411	1996 XF ₃₁	* 1996 12 14.73711	07 44 05.52	+18 49 48.0	17	411
1996 XY ₃₀	* 1996 12 14.65863	07 35 22.41	+21 33 54.0	17	411	1996 XF ₃₁	1996 12 14.75059	07 44 04.75	+18 49 44.3		411
1996 XY ₃₀	1996 12 14.67212	07 35 21.93	+21 33 55.5		411	1996 XF ₃₁	1996 12 16.67655	07 42 26.02	+18 38 59.3		411
1996 XY ₃₀	1996 12 16.67225	07 33 52.11	+21 39 40.7		411	1996 XF ₃₁	1996 12 16.68673	07 42 25.48	+18 38 55.6		411
1996 XY ₃₀	1996 12 16.68243	07 33 51.60	+21 39 43.0		411	1996 XF ₃₁	1996 12 29.65721	07 29 10.12	+17 30 23.0		411
1996 XZ ₃₀	* 1996 12 14.68331	07 39 09.44	+19 46 31.7	17.5	411	1996 XF ₃₁	1996 12 29.66644	07 29 09.50	+17 30 19.5		411
1996 XZ ₃₀	1996 12 14.69679	07 39 08.69	+19 46 29.4		411	1996 XF ₃₁	1997 01 13.52781	07 12 04.83	+16 21 29.8		411
1996 XZ ₃₀	1996 12 16.67374	07 37 35.56	+19 43 49.3		411	1996 XF ₃₁	1997 01 13.53245	07 12 04.49	+16 21 29.2		411
1996 XZ ₃₀	1996 12 16.71612	07 37 33.38	+19 43 45.9		411	1996 XG ₃₁	* 1996 12 14.74365	07 53 46.02	+19 22 59.9	19	411
1996 XZ ₃₀	1996 12 29.59274	07 25 10.05	+19 30 39.2		411	1996 XG ₃₁	1996 12 14.76435	07 53 45.27	+19 23 00.3		411
1996 XZ ₃₀	1996 12 29.60364	07 25 09.28	+19 30 38.0		411	1996 XG ₃₁	1996 12 19.70318	07 50 45.32	+19 26 43.2		411
1996 XZ ₃₀	1997 01 13.52473	07 08 39.43	+19 20 57.5		411	1996 XG ₃₁	1996 12 19.71384	07 50 44.90	+19 26 43.4		411
1996 XZ ₃₀	1997 01 13.52935	07 08 39.14	+19 20 57.0		411	1996 XH ₃₁	* 1996 12 14.74878	07 53 08.83	+20 25 50.8	17	411
1996 XA ₃₁	* 1996 12 14.68852	07 51 02.73	+15 57 57.8	17.5	411	1996 XH ₃₁	1996 12 14.76948	07 53 08.06	+20 25 50.7		411
1996 XA ₃₁	1996 12 14.70924	07 51 02.20	+15 58 01.9		411	1996 XH ₃₁	1996 12 16.69258	07 51 57.99	+20 26 39.2		411
1996 XA ₃₁	1996 12 19.64281	07 48 41.39	+16 13 59.9		411	1996 XH ₃₁	1996 12 16.72389	07 51 56.69	+20 26 40.0		411
1996 XA ₃₁	1996 12 19.67378	07 48 40.22	+16 14 06.0		411	1996 XH ₃₁	1996 12 29.61775	07 41 10.41	+20 38 25.4		411
1996 XA ₃₁	1996 12 29.61933	07 41 35.35	+16 58 20.2		411	1996 XH ₃₁	1996 12 29.62716	07 41 09.79	+20 38 26.2		411
1996 XA ₃₁	1996 12 29.62874	07 41 34.85	+16 58 23.7		411	1996 XH ₃₁	1997 01 13.54023	07 25 10.78	+20 57 55.1		411
1996 XA ₃₁	1997 01 13.54179	07 27 37.76	+18 24 26.3		411	1996 XH ₃₁	1997 01 13.55429	07 25 09.78	+20 57 56.2		411
1996 XA ₃₁	1997 01 13.55585	07 27 36.86	+18 24 31.3		411	1996 XJ ₃₁	* 1996 12 14.77070	07 47 46.26	+19 57 32.8	17.5	411
1996 XB ₃₁	* 1996 12 14.69194	07 50 57.95	+16 46 43.7	18	411	1996 XJ ₃₁	1996 12 14.78419	07 47 45.76	+19 57 36.4		411
1996 XB ₃₁	1996 12 14.71266	07 50 57.29	+16 46 48.4		411	1996 XJ ₃₁	1996 12 16.67808	07 46 41.02	+20 07 30.6		411
1996 XB ₃₁	1996 12 19.67756	07 48 13.03	+17 04 05.9		411	1996 XJ ₃₁	1996 12 16.68826	07 46 40.66	+20 07 34.1		411
1996 XB ₃₁	1996 12 19.68435	07 48 12.76	+17 04 07.4		411	1996 XJ ₃₁	1996 12 29.65875	07 37 01.49	+21 23 08.5		411
1996 XB ₃₁	1996 12 29.66335	07 41 21.61	+17 45 05.0		411	1996 XJ ₃₁	1996 12 29.66797	07 37 00.97	+21 23 12.0		411
1996 XB ₃₁	1996 12 29.67260	07 41 21.19	+17 45 07.3		411	1996 XJ ₃₁	1997 01 13.53402	07 22 57.92	+22 56 28.4		411
1996 XB ₃₁	1997 01 13.54490	07 29 05.81	+18 55 56.3		411	1996 XJ ₃₁	1997 01 13.54803	07 22 57.08	+22 56 33.3		411
1996 XB ₃₁	1997 01 13.56312	07 29 04.82	+18 56 01.6		411	1996 XK ₃₁	* 1996 12 14.77304	07 54 43.23	+16 13 52.5	17.5	411
1996 XC ₃₁	* 1996 12 14.70567	07 52 17.82	+19 57 33.0	17.5	411	1996 XK ₃₁	1996 12 14.79377	07 54 42.58	+16 13 53.5		411
1996 XC ₃₁	1996 12 14.72637	07 52 17.01	+19 57 31.2		411	1996 XK ₃₁	1996 12 19.68953	07 51 44.06	+16 21 12.8		411
1996 XC ₃₁	1996 12 19.64466	07 48 26.51	+19 53 33.4		411	1996 XK ₃₁	1996 12 19.69461	07 51 43.85	+16 21 13.4		411
1996 XC ₃₁	1996 12 19.66792	07 48 25.27	+19 53 31.8		411	1996 XK ₃₁	1996 12 29.66489	07 43 44.90	+16 44 33.5		411
1996 XC ₃₁	1996 12 19.66961	07 48 25.10	+19 53 31.7		411	1996 XK ₃₁	1996 12 29.67416	07 43 44.34	+16 44 36.3		411
1996 XC ₃₁	1996 12 29.66028	07 39 06.60	+19 48 00.4		411	1996 XK ₃₁	1997 01 13.54646	07 29 16.62	+17 33 48.3		411
1996 XC ₃₁	1996 12 29.66951	07 39 05.91	+19 47 59.6		411	1996 XK ₃₁	1997 01 13.56056	07 29 15.75	+17 33 51.0		411
1996 XC ₃₁	1997 01 13.53557	07 23 21.79	+19 42 35.7		411	1996 XL ₃₁	* 1996 12 14.77476	07 55 43.27	+16 58 01.5	17	411
1996 XC ₃₁	1997 01 13.54959	07 23 20.81	+19 42 36.1		411	1996 XL ₃₁	1996 12 14.79549	07 55 42.50	+16 58 04.1		411
1996 XD ₃₁	* 1996 12 14.70798	07 41 44.78	+18 52 32.0	18	411	1996 XL ₃₁	1996 12 16.69709	07 54 36.00	+17 01 45.5		411
1996 XD ₃₁	1996 12 14.72147	07 41 44.09	+18 52 35.0		411	1996 XL ₃₁	1996 12 16.73102	07 54 34.69	+17 01 50.4		411
1996 XD ₃₁	1996 12 16.67516	07 40 16.05	+19 00 00.0		411	1996 XL ₃₁	1996 12 29.62246	07 44 23.63	+17 37 13.2		411
1996 XD ₃₁	1996 12 16.72105	07 40 13.81	+19 00 10.2		411	1996 XL ₃₁	1996 12 29.63189	07 44 22.96	+17 37 15.9		411

1996 XL ₃₁	1997 01 13.54334	07 28 43.19	+18 34 12.6		411	1996 YG	1997 01 07.46030	07 32 22.68	+26 33 03.2		411
1996 XL ₃₁	1997 01 13.55742	07 28 42.27	+18 34 16.0		411	1996 YG	1997 01 07.47406	07 32 21.79	+26 33 05.0		411
1996 YB	* 1996 12 20.62631	07 46 45.92	+22 55 49.9	17	411	1996 YH	* 1996 12 20.63746	08 01 41.57	+18 39 10.6	17	411
1996 YB	1996 12 20.63979	07 46 45.38	+22 55 55.8		411	1996 YH	1996 12 20.66000	08 01 40.50	+18 39 03.8		411
1996 YB	1996 12 21.55092	07 46 09.92	+23 01 20.3		411	1996 YH	1996 12 21.66462	08 00 54.28	+18 34 13.5		411
1996 YB	1996 12 21.56090	07 46 09.50	+23 01 24.9		411	1996 YH	1996 12 21.67218	08 00 53.88	+18 34 11.9		411
1996 YB	1996 12 29.67884	07 39 58.59	+23 51 48.5		411	1996 YH	1996 12 30.58242	07 52 54.70	+17 52 44.5		411
1996 YB	1996 12 29.69613	07 39 57.67	+23 51 55.7		411	1996 YH	1996 12 30.59159	07 52 54.03	+17 52 42.0		411
1996 YB	1996 12 30.52951	07 39 15.21	+23 57 13.8		411	1996 YH	1997 01 07.48325	07 44 31.81	+17 18 14.6		411
1996 YB	1996 12 30.53631	07 39 14.86	+23 57 16.5		411	1996 YH	1997 01 07.49396	07 44 31.13	+17 18 11.9		411
1996 YB	1997 01 06.46875	07 32 53.57	+24 41 36.0		411	1996 YJ	* 1996 12 20.64091	08 01 35.59	+19 29 53.6	17.5	411
1996 YB	1997 01 06.47386	07 32 53.23	+24 41 37.7		411	1996 YJ	1996 12 20.66347	08 01 34.45	+19 29 52.7		411
1996 YC	* 1996 12 20.63299	07 47 29.49	+25 08 20.4	17	411	1996 YJ	1996 12 21.66300	08 00 43.46	+19 29 03.7		411
1996 YC	1996 12 20.64648	07 47 28.70	+25 08 12.2		411	1996 YJ	1996 12 21.66907	08 00 43.05	+19 29 02.8		411
1996 YC	1996 12 21.55240	07 46 29.73	+24 57 38.0		411	1996 YJ	1996 12 30.58089	07 52 02.20	+19 23 49.2		411
1996 YC	1996 12 21.56238	07 46 29.03	+24 57 31.7		411	1996 YJ	1996 12 30.59006	07 52 01.62	+19 23 49.4		411
1996 YC	1996 12 29.67571	07 36 29.38	+23 17 25.0		411	1996 YJ	1997 01 07.48172	07 43 09.01	+19 21 23.3		411
1996 YC	1996 12 29.69295	07 36 27.92	+23 17 11.1		411	1996 YJ	1997 01 07.49244	07 43 08.20	+19 21 23.4		411
1996 YC	1997 01 07.44093	07 24 06.16	+21 18 50.5		411	1996 YK	* 1996 12 20.64263	08 02 44.73	+19 49 54.2	18	411
1996 YC	1997 01 07.44914	07 24 05.42	+21 18 44.0		411	1996 YK	1996 12 20.66521	08 02 43.85	+19 49 57.5		411
1996 YD	* 1996 12 20.63299	07 47 57.72	+25 02 57.8	17	411	1996 YK	1996 12 21.70591	08 02 05.25	+19 51 43.9		411
1996 YD	1996 12 20.64648	07 47 57.10	+25 03 02.2		411	1996 YK	1996 12 21.71270	08 02 04.93	+19 51 45.1		411
1996 YD	1996 12 21.55533	07 47 15.23	+25 06 28.4		411	1996 YK	1997 01 02.54597	07 53 41.06	+20 14 44.9		411
1996 YD	1996 12 21.56532	07 47 14.73	+25 06 30.3		411	1996 YK	1997 01 02.55957	07 53 40.34	+20 14 46.4		411
1996 YD	1996 12 29.68041	07 39 51.91	+25 37 50.5		411	1996 YK	1997 01 07.50314	07 49 42.98	+20 25 15.4		411
1996 YD	1996 12 29.69772	07 39 50.79	+25 37 54.2		411	1996 YK	1997 01 07.51387	07 49 42.53	+20 25 17.0		411
1996 YD	1997 01 07.45571	07 30 14.72	+26 09 36.7		411	1996 YL	* 1996 12 20.64436	08 02 48.50	+20 11 35.4	17.5	411
1996 YD	1997 01 07.46947	07 30 13.71	+26 09 40.0		411	1996 YL	1996 12 20.66696	08 02 47.41	+20 11 41.9		411
1996 YE	* 1996 12 20.63522	07 46 26.61	+25 41 43.5	17.5	411	1996 YL	1996 12 21.66609	08 01 56.66	+20 15 08.9		411
1996 YE	1996 12 20.64870	07 46 26.02	+25 41 43.7		411	1996 YL	1996 12 21.67364	08 01 56.26	+20 15 10.2		411
1996 YE	1996 12 21.59063	07 45 38.54	+25 41 13.9		411	1996 YM	* 1996 12 20.65544	07 50 24.65	+22 43 17.5	17	411
1996 YE	1996 12 21.59572	07 45 38.25	+25 41 13.6		411	1996 YM	1996 12 20.66894	07 50 23.91	+22 43 20.6		411
1996 YE	1996 12 29.67728	07 38 03.09	+25 35 42.9		411	1996 YM	1996 12 21.56819	07 49 38.16	+22 47 22.4		411
1996 YE	1996 12 29.71471	07 38 00.78	+25 35 40.5		411	1996 YM	1996 12 21.57834	07 49 37.61	+22 47 24.8		411
1996 YE	1997 01 07.45417	07 28 40.37	+25 26 15.3		411	1996 YM	1996 12 29.68510	07 41 47.91	+23 24 46.8		411
1996 YE	1997 01 07.46642	07 28 39.55	+25 26 14.5		411	1996 YM	1996 12 29.71638	07 41 45.82	+23 24 56.1		411
1996 YF	* 1996 12 20.63522	07 48 43.15	+25 35 02.0	17	411	1996 YM	1997 01 07.45877	07 32 06.32	+24 04 17.4		411
1996 YF	1996 12 20.64870	07 48 42.56	+25 35 07.5		411	1996 YM	1997 01 07.47253	07 32 05.39	+24 04 21.2		411
1996 YF	1996 12 21.55672	07 48 01.04	+25 41 16.8		411	1996 YN	* 1996 12 20.66213	07 50 55.14	+25 05 54.3	17.5	411
1996 YF	1996 12 21.56671	07 48 00.53	+25 41 21.2		411	1996 YN	1996 12 20.67561	07 50 54.64	+25 05 56.4		411
1996 YF	1996 12 30.56361	07 39 45.78	+26 43 02.6		411	1996 YN	1996 12 21.59943	07 50 17.98	+25 08 53.9		411
1996 YF	1996 12 30.57385	07 39 45.12	+26 43 06.9		411	1996 YN	1996 12 21.62778	07 50 16.82	+25 09 00.1		411
1996 YF	1997 01 07.45724	07 31 04.96	+27 34 13.3		411	1996 YO	* 1996 12 20.67931	08 02 58.52	+18 18 59.6	17	411
1996 YF	1997 01 07.47100	07 31 04.03	+27 34 18.7		411	1996 YO	1996 12 20.70054	08 02 57.63	+18 18 59.9		411
1996 YG	* 1996 12 20.63744	07 47 46.04	+26 08 11.3	17.5	411	1996 YO	1996 12 21.69872	08 02 15.82	+18 19 08.8		411
1996 YG	1996 12 20.65094	07 47 45.45	+26 08 11.4		411	1996 YO	1996 12 21.70410	08 02 15.61	+18 19 09.0		411
1996 YG	1996 12 21.59763	07 47 04.73	+26 09 45.2		411	1996 YO	1996 12 30.58395	07 54 39.97	+18 24 42.0		411
1996 YG	1996 12 21.61998	07 47 03.72	+26 09 46.5		411	1996 YO	1996 12 30.59311	07 54 39.43	+18 24 42.3		411
1996 YG	1996 12 29.68197	07 40 32.54	+26 22 11.4		411	1996 YO	1997 01 07.48477	07 46 16.25	+18 34 36.4		411
1996 YG	1996 12 29.69933	07 40 31.71	+26 22 13.2		411	1996 YO	1997 01 07.49549	07 46 15.50	+18 34 38.2		411
1996 YG	1997 01 06.47921	07 33 19.48	+26 32 03.1		411	1996 YP	* 1996 12 20.68458	07 53 07.35	+23 14 20.5	17	411
1996 YG	1997 01 06.48773	07 33 19.01	+26 32 03.8		411	1996 YP	1996 12 20.69807	07 53 06.65	+23 14 19.9		411

1996 YP	1996 12 21.58131	07 52 22.72	+23 13 37.7	411	1996 YV	1997 01 07.50467	07 50 18.58	+19 03 44.3	411
1996 YP	1996 12 21.60126	07 52 21.65	+23 13 37.2	411	1996 YV	1997 01 07.51540	07 50 17.95	+19 03 48.5	411
1996 YP	1996 12 29.68667	07 44 35.46	+23 07 27.7	411	1996 YW	* 1996 12 20.72039	07 57 16.85	+24 49 03.3	17.5 411
1996 YP	1996 12 29.70413	07 44 34.27	+23 07 26.5	411	1996 YW	1996 12 20.73388	07 57 16.09	+24 49 08.5	411
1996 YP	1997 01 07.46182	07 34 39.83	+22 59 28.6	411	1996 YW	1996 12 21.58425	07 56 38.60	+24 54 01.8	411
1996 YP	1997 01 07.47560	07 34 38.80	+22 59 28.2	411	1996 YW	1996 12 21.60490	07 56 37.56	+24 54 08.9	411
1996 YQ	* 1996 12 20.69160	08 04 15.49	+20 52 30.9	18.5 411	1996 YW	1996 12 29.68980	07 49 23.26	+25 41 50.6	411
1996 YQ	1996 12 20.71292	08 04 14.53	+20 52 33.2	411	1996 YW	1996 12 29.71967	07 49 21.34	+25 42 01.8	411
1996 YQ	1996 12 21.68039	08 03 33.67	+20 54 12.4	411	1996 YW	1997 01 07.46488	07 39 40.34	+26 32 07.0	411
1996 YQ	1996 12 21.69105	08 03 33.17	+20 54 13.3	411	1996 YW	1997 01 07.47865	07 39 39.34	+26 32 11.6	411
1996 YR	* 1996 12 20.69336	08 03 42.90	+21 26 33.2	17.5 411	1996 YX	* 1996 12 20.72193	08 06 07.11	+18 05 06.9	17.5 411
1996 YR	1996 12 20.71469	08 03 41.93	+21 26 42.6	411	1996 YX	1996 12 20.74343	08 06 06.12	+18 05 04.0	411
1996 YR	1996 12 21.66759	08 03 00.06	+21 33 30.9	411	1996 YX	1996 12 21.72384	08 05 21.90	+18 02 44.6	411
1996 YR	1996 12 21.67515	08 02 59.79	+21 33 35.1	411	1996 YX	1996 12 21.73626	08 05 21.32	+18 02 42.6	411
1996 YR	1996 12 30.58700	07 55 05.56	+22 40 53.8	411	1996 YX	1996 12 30.60078	07 57 26.17	+17 44 43.3	411
1996 YR	1996 12 30.59617	07 55 04.96	+22 40 58.9	411	1996 YX	1996 12 30.61152	07 57 25.50	+17 44 42.3	411
1996 YR	1997 01 07.48630	07 46 32.15	+23 42 10.7	411	1996 YX	1997 01 07.48783	07 48 56.59	+17 32 33.2	411
1996 YR	1997 01 07.49702	07 46 31.41	+23 42 15.0	411	1996 YX	1997 01 07.49855	07 48 55.86	+17 32 32.0	411
1996 YS	* 1996 12 20.69336	08 04 26.64	+21 17 59.5	18.5 411	1996 YY	* 1996 12 20.72906	08 05 43.56	+19 40 06.4	17 411
1996 YS	1996 12 20.71469	08 04 25.55	+21 17 57.3	411	1996 YY	1996 12 20.75067	08 05 42.59	+19 40 05.8	411
1996 YS	1996 12 21.69275	08 03 42.39	+21 15 30.8	411	1996 YY	1996 12 21.67681	08 05 00.64	+19 39 28.1	411
1996 YS	1996 12 21.71502	08 03 41.35	+21 15 26.5	411	1996 YY	1996 12 21.68746	08 05 00.15	+19 39 27.5	411
1996 YS	1997 01 02.50448	07 53 32.04	+20 47 16.1	411	1996 YY	1996 12 30.59925	07 57 18.74	+19 34 49.4	411
1996 YS	1997 01 02.50857	07 53 31.73	+20 47 16.2	411	1996 YY	1996 12 30.60998	07 57 18.11	+19 34 49.2	411
1996 YS	1997 01 08.49461	07 47 39.36	+20 33 23.1	411	1996 YY	1997 01 07.48936	07 49 20.37	+19 32 03.7	411
1996 YS	1997 01 08.50319	07 47 38.85	+20 33 22.6	411	1996 YY	1997 01 07.50009	07 49 19.66	+19 32 03.7	411
1996 YS	1997 01 14.52056	07 41 35.84	+20 19 20.2	411	1996 YZ	* 1996 12 20.73260	08 05 44.26	+20 30 05.4	18 411
1996 YS	1997 01 14.53277	07 41 35.13	+20 19 18.1	411	1996 YZ	1996 12 20.75430	08 05 43.47	+20 30 06.5	411
1996 YT	* 1996 12 20.69348	07 53 31.51	+25 46 12.8	17.5 411	1996 YZ	1996 12 21.72200	08 05 07.52	+20 30 50.5	411
1996 YT	1996 12 20.70697	07 53 30.79	+25 46 17.5	411	1996 YZ	1996 12 21.74604	08 05 06.52	+20 30 51.6	411
1996 YT	1996 12 21.61400	07 52 45.24	+25 49 28.4	411	1996 YZ	1996 12 30.64388	07 58 17.09	+20 40 22.6	411
1996 YT	1996 12 21.63482	07 52 44.16	+25 49 32.8	411	1996 YZ	1996 12 30.65207	07 58 16.73	+20 40 23.0	411
1996 YT	1996 12 29.68823	07 45 11.69	+26 17 43.8	411	1996 YZ	1997 01 07.50620	07 50 40.95	+20 51 29.8	411
1996 YT	1996 12 29.70572	07 45 10.53	+26 17 46.7	411	1996 YZ	1997 01 07.51693	07 50 40.27	+20 51 32.1	411
1996 YT	1997 01 07.46335	07 35 48.93	+26 46 01.9	411	1996 YA ₁	* 1996 12 20.73438	08 05 20.12	+20 59 41.3	19 411
1996 YT	1997 01 07.47712	07 35 48.11	+26 46 05.8	411	1996 YA ₁	1996 12 20.75612	08 05 19.29	+20 59 47.0	411
1996 YU	* 1996 12 20.72015	08 05 03.19	+17 47 03.8	18 411	1996 YA ₁	1996 12 21.71860	08 04 43.59	+21 02 42.7	411
1996 YU	1996 12 20.74164	08 05 02.28	+17 47 07.2	411	1996 YA ₁	1996 12 21.73269	08 04 43.03	+21 02 43.3	411
1996 YU	1996 12 21.68563	08 04 27.24	+17 49 53.0	411	1996 YA ₁	1997 01 02.53310	07 55 56.27	+21 42 11.8	411
1996 YU	1996 12 21.69628	08 04 26.71	+17 49 56.1	411	1996 YA ₁	1997 01 02.53924	07 55 55.88	+21 42 13.3	411
1996 YU	1996 12 30.60385	07 57 57.28	+18 19 39.5	411	1996 YA ₁	1997 01 02.54130	07 55 55.78	+21 42 13.1	411
1996 YU	1996 12 30.61457	07 57 56.67	+18 19 43.0	411	1996 YA ₁	1997 01 07.50927	07 51 36.21	+21 59 49.1	411
1996 YU	1996 12 30.66681	07 57 54.04	+18 19 53.8	411	1996 YA ₁	1997 01 07.51999	07 51 35.59	+21 59 50.9	411
1996 YU	1997 01 07.50773	07 51 04.58	+18 50 09.9	411	1996 YB ₁	* 1996 12 20.74507	07 58 14.66	+23 52 20.3	17 411
1996 YU	1997 01 07.51845	07 51 03.98	+18 50 12.6	411	1996 YB ₁	1996 12 20.75855	07 58 14.16	+23 52 23.0	411
1996 YV	* 1996 12 20.72015	08 05 09.74	+17 37 12.5	18 411	1996 YB ₁	1996 12 21.58571	07 57 39.29	+23 53 56.9	411
1996 YV	1996 12 20.74164	08 05 08.87	+17 37 16.8	411	1996 YB ₁	1996 12 21.60671	07 57 38.38	+23 53 59.2	411
1996 YV	1996 12 21.68563	08 04 34.78	+17 40 56.2	411	1996 YB ₁	1996 12 29.69137	07 51 06.74	+24 09 47.7	411
1996 YV	1996 12 21.69628	08 04 34.30	+17 40 58.7	411	1996 YB ₁	1996 12 29.70891	07 51 05.71	+24 09 49.2	411
1996 YV	1996 12 30.60385	07 57 52.20	+18 21 17.8	411	1996 YB ₁	1997 01 07.48019	07 42 48.14	+24 26 14.4	411
1996 YV	1996 12 30.61457	07 57 51.62	+18 21 21.5	411	1996 YB ₁	1997 01 07.49089	07 42 47.53	+24 26 15.0	411
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1996 YC ₁	1996 12 20.78380	08 07 12.86	+17 35 24.3	411	1996 YR ₂	1996 12 30.57385	07 40 10.97	+26 39 08.4	411
1996 YC ₁	1996 12 21.72907	08 06 34.87	+17 34 07.7	411	1996 YR ₂	1997 01 06.47921	07 33 02.18	+26 31 27.5	411
1996 YC ₁	1996 12 21.74149	08 06 34.31	+17 34 07.9	411	1996 YR ₂	1997 01 06.48773	07 33 01.63	+26 31 28.1	411
1996 YC ₁	1996 12 30.65649	07 59 24.77	+17 24 52.0	411	1996 YR ₂	1997 01 07.46030	07 31 59.18	+26 30 04.6	411
1996 YC ₁	1996 12 30.66262	07 59 24.48	+17 24 52.0	411	1996 YR ₂	1997 01 07.47406	07 31 58.40	+26 30 03.0	411
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1996 YD ₁	1996 12 21.72555	08 05 59.44	+17 39 44.3	411	1996 YS ₂	1997 01 06.49140	07 36 25.10	+27 07 29.4	411
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1997 AK	1997 01 03.63553	08 39 58.60	+20 19 41.4		411	1997 AR	1997 01 03.64990	08 41 27.23	+17 54 25.3		411
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1997 AL	1997 01 08.54471	08 34 47.62	+21 14 03.4		411	1997 AS	1997 01 03.60958	08 40 46.88	+19 07 12.1		411
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1997 AM	1997 01 08.54624	08 35 24.06	+22 00 32.3		411	1997 AT	1997 01 03.54770	08 40 59.49	+20 19 55.0		411
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1997 AN	1997 01 03.48761	08 01 21.38	+23 49 48.9		411	1997 AU	1997 01 03.63947	08 40 57.06	+21 32 07.0		411
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1997 AO	1997 01 09.52467	08 36 15.39	+19 56 53.3		411	1997 AU	1997 01 14.63512	08 31 52.56	+22 07 51.4		411
1997 AO	1997 01 09.53572	08 36 14.80	+19 57 06.3		411	1997 AV	* 1997 01 02.62928	08 41 49.96	+21 20 33.1	17	411
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1997 AW	1997 01 09.57833	08 36 22.36	+21 41 29.4		411	1997 AE ₁	1997 01 14.65651	08 34 07.67	+18 51 47.7		411
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1997 AA ₁	1997 01 07.54679	08 06 48.21	+22 52 34.5		411	1997 AK ₁	1997 01 03.50903	08 14 11.17	+23 55 19.6		411
1997 AA ₁	1997 01 07.55443	08 06 47.85	+22 52 35.6		411	1997 AK ₁	1997 01 07.54984	08 10 18.08	+24 23 11.5		411
1997 AB ₁	* 1997 01 02.68334	08 10 23.14	+23 36 59.1	17.5	411	1997 AK ₁	1997 01 07.55748	08 10 17.62	+24 23 14.6		411
1997 AB ₁	1997 01 02.69684	08 10 22.29	+23 37 04.0		411	1997 AK ₁	1997 01 14.54956	08 02 52.90	+25 10 22.7		411
1997 AB ₁	1997 01 03.50443	08 09 31.32	+23 42 07.5		411	1997 AK ₁	1997 01 14.56329	08 02 51.97	+25 10 28.0		411
1997 AB ₁	1997 01 03.51487	08 09 30.61	+23 42 11.2		411	1997 AL ₁	* 1997 01 02.73356	08 47 18.20	+17 49 51.9	16	411
1997 AB ₁	1997 01 03.51826	08 09 30.42	+23 42 11.7		411	1997 AL ₁	1997 01 02.75352	08 47 17.24	+17 49 49.4		411
1997 AB ₁	1997 01 07.54526	08 05 02.26	+24 07 00.9		411	1997 AL ₁	1997 01 03.57021	08 46 39.21	+17 48 17.0		411
1997 AB ₁	1997 01 07.55290	08 05 01.69	+24 07 03.6		411	1997 AL ₁	1997 01 03.58333	08 46 38.57	+17 48 15.4		411
1997 AD ₁	* 1997 01 02.69383	08 45 28.90	+17 51 42.6	17	411	1997 AL ₁	1997 01 09.55447	08 41 38.87	+17 37 35.7		411
1997 AD ₁	1997 01 02.71369	08 45 27.98	+17 51 48.3		411	1997 AL ₁	1997 01 09.56521	08 41 38.31	+17 37 34.6		411
1997 AD ₁	1997 01 03.55895	08 44 50.98	+17 56 03.7		411	1997 AL ₁	1997 01 14.64887	08 37 00.82	+17 29 09.5		411
1997 AD ₁	1997 01 03.57208	08 44 50.43	+17 56 08.2		411	1997 AL ₁	1997 01 14.66568	08 36 59.87	+17 29 08.0		411
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1997 AD ₁	1997 01 14.64428	08 35 12.42	+18 57 12.5		411	1997 AN ₁	1997 01 03.56646	08 45 29.47	+18 21 10.2		411
1997 AD ₁	1997 01 14.66109	08 35 11.39	+18 57 17.9		411	1997 AN ₁	1997 01 03.57958	08 45 28.71	+18 21 09.1		411
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1997 AN ₁	1997 01 14.64275	08 35 09.72	+17 58 23.3	411	1997 AW ₁	1997 01 14.56940	08 11 15.47	+28 20 18.3	411
1997 AN ₁	1997 01 14.65957	08 35 08.61	+17 58 21.5	411	1997 AX ₁	* 1997 01 03.60618	08 24 29.19	+26 13 18.7	17 411
1997 AO ₁	* 1997 01 02.73853	08 46 39.18	+19 08 52.4	17.5 411	1997 AX ₁	1997 01 03.61966	08 24 28.37	+26 13 17.4	411
1997 AO ₁	1997 01 02.75850	08 46 38.45	+19 08 55.4	411	1997 AX ₁	1997 01 04.50475	08 23 36.04	+26 12 06.9	411
1997 AO ₁	1997 01 03.56833	08 46 13.09	+19 11 20.6	411	1997 AX ₁	1997 01 04.51543	08 23 35.39	+26 12 05.9	411
1997 AO ₁	1997 01 03.58146	08 46 12.60	+19 11 23.1	411	1997 AX ₁	1997 01 08.51568	08 19 29.03	+26 06 17.8	411
1997 AO ₁	1997 01 09.55600	08 42 49.87	+19 29 44.2	411	1997 AX ₁	1997 01 08.52791	08 19 28.22	+26 06 16.4	411
1997 AO ₁	1997 01 09.56674	08 42 49.48	+19 29 46.9	411	1997 AX ₁	1997 01 14.57093	08 12 55.37	+25 55 30.5	411
1997 AP ₁	* 1997 01 02.74183	08 45 54.98	+19 58 27.0	17 411	1997 AX ₁	1997 01 14.58622	08 12 54.30	+25 55 28.2	411
1997 AP ₁	1997 01 02.76181	08 45 54.22	+19 58 34.1	411	1997 AY ₁	* 1997 01 03.61063	08 24 44.58	+27 16 26.4	17 411
1997 AP ₁	1997 01 03.56457	08 45 22.98	+20 03 17.4	411	1997 AY ₁	1997 01 03.62412	08 24 43.84	+27 16 31.1	411
1997 AP ₁	1997 01 03.57771	08 45 22.49	+20 03 21.1	411	1997 AY ₁	1997 01 04.50626	08 23 56.46	+27 21 25.4	411
1997 AP ₁	1997 01 09.54989	08 41 09.58	+20 39 27.4	411	1997 AY ₁	1997 01 04.51696	08 23 55.85	+27 21 28.7	411
1997 AP ₁	1997 01 09.56060	08 41 09.08	+20 39 31.0	411	1997 AY ₁	1997 01 08.51721	08 20 07.48	+27 43 23.4	411
1997 AP ₁	1997 01 14.65193	08 37 10.65	+21 11 01.3	411	1997 AY ₁	1997 01 08.52943	08 20 06.74	+27 43 27.2	411
1997 AP ₁	1997 01 14.66873	08 37 09.84	+21 11 07.7	411	1997 AY ₁	1997 01 14.57245	08 13 51.29	+28 14 29.6	411
1997 AQ ₁	* 1997 01 02.74351	08 45 58.33	+20 08 01.4	17 411	1997 AY ₁	1997 01 14.58774	08 13 50.29	+28 14 33.9	411
1997 AQ ₁	1997 01 02.76347	08 45 57.40	+20 08 01.6	411	1997 AZ ₁	* 1997 01 03.61063	08 25 26.36	+27 33 22.0	18 411
1997 AQ ₁	1997 01 03.56082	08 45 20.61	+20 08 18.7	411	1997 AZ ₁	1997 01 03.62412	08 25 25.69	+27 33 23.2	411
1997 AQ ₁	1997 01 03.57396	08 45 19.87	+20 08 19.3	411	1997 AZ ₁	1997 01 04.50779	08 24 43.62	+27 35 59.1	411
1997 AQ ₁	1997 01 09.55753	08 40 03.31	+20 11 29.8	411	1997 AZ ₁	1997 01 04.51848	08 24 43.10	+27 36 00.9	411
1997 AQ ₁	1997 01 14.64123	08 34 51.31	+20 14 58.1	411	1997 AZ ₁	1997 01 08.51874	08 21 23.17	+27 47 18.0	411
1997 AQ ₁	1997 01 14.65804	08 34 50.15	+20 14 58.8	411	1997 AZ ₁	1997 01 08.53096	08 21 22.41	+27 47 22.1	411
1997 AR ₁	* 1997 01 02.74852	08 46 31.22	+21 24 08.1	18.5 411	1997 AZ ₁	1997 01 14.57398	08 15 59.33	+28 02 40.8	411
1997 AR ₁	1997 01 02.76843	08 46 30.22	+21 24 13.9	411	1997 AZ ₁	1997 01 14.58927	08 15 58.48	+28 02 42.2	411
1997 AR ₁	1997 01 03.60208	08 45 52.11	+21 28 04.5	411	1997 AA ₂	* 1997 01 03.62862	08 27 25.27	+23 56 37.8	17 411
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1997 AR ₁	1997 01 09.55142	08 40 50.05	+21 56 28.0	411	1997 AA ₂	1997 01 04.50932	08 26 43.76	+23 59 51.6	411
1997 AR ₁	1997 01 09.56213	08 40 49.48	+21 56 31.4	411	1997 AA ₂	1997 01 04.52000	08 26 43.21	+23 59 53.9	411
1997 AR ₁	1997 01 14.64734	08 35 57.09	+22 21 33.6	411	1997 AA ₂	1997 01 08.52027	08 23 20.41	+24 14 42.4	411
1997 AR ₁	1997 01 14.66415	08 35 56.01	+22 21 38.3	411	1997 AA ₂	1997 01 08.53249	08 23 19.72	+24 14 45.4	411
1997 AU ₁	* 1997 01 03.52224	08 18 39.24	+26 04 02.6	16.5 411	1997 AA ₂	1997 01 14.57551	08 17 40.26	+24 36 37.2	411
1997 AU ₁	1997 01 03.53583	08 18 38.54	+26 04 06.8	411	1997 AA ₂	1997 01 14.59080	08 17 39.32	+24 36 40.6	411
1997 AU ₁	1997 01 04.49182	08 17 48.49	+26 09 06.2	411	1997 AB ₂	* 1997 01 03.62862	08 28 23.48	+24 07 17.8	17.5 411
1997 AU ₁	1997 01 04.49857	08 17 48.15	+26 09 08.1	411	1997 AB ₂	1997 01 03.64211	08 28 22.74	+24 07 26.8	411
1997 AU ₁	1997 01 08.50956	08 14 02.71	+26 29 53.4	411	1997 AB ₂	1997 01 04.52306	08 27 40.19	+24 15 57.7	411
1997 AU ₁	1997 01 08.52179	08 14 01.94	+26 29 57.7	411	1997 AB ₂	1997 01 04.53373	08 27 39.64	+24 16 03.8	411
1997 AV ₁	* 1997 01 03.57036	08 22 34.27	+23 58 57.0	17 411	1997 AB ₂	1997 01 08.53402	08 24 13.43	+24 55 03.7	411
1997 AV ₁	1997 01 03.58384	08 22 33.43	+23 58 57.7	411	1997 AB ₂	1997 01 08.54777	08 24 12.69	+24 55 12.1	411
1997 AV ₁	1997 01 04.50170	08 21 37.44	+23 59 49.3	411	1997 AC ₂	* 1997 01 03.63753	08 29 37.26	+26 54 12.9	17.5 411
1997 AV ₁	1997 01 04.51237	08 21 36.77	+23 59 49.3	411	1997 AC ₂	1997 01 03.65102	08 29 36.53	+26 54 13.4	411
1997 AV ₁	1997 01 08.51263	08 17 21.16	+24 03 20.3	411	1997 AC ₂	1997 01 04.52458	08 28 55.16	+26 55 22.7	411
1997 AV ₁	1997 01 08.52485	08 17 20.42	+24 03 21.8	411	1997 AC ₂	1997 01 04.53677	08 28 54.53	+26 55 23.7	411
1997 AV ₁	1997 01 14.55414	08 10 30.85	+24 07 18.3	411	1997 AC ₂	1997 01 08.53554	08 25 32.44	+27 00 20.7	411
1997 AV ₁	1997 01 14.56787	08 10 29.78	+24 07 18.8	411	1997 AC ₂	1997 01 08.54929	08 25 31.65	+27 00 22.0	411
1997 AW ₁	* 1997 01 03.58149	08 22 40.75	+27 16 08.7	16.5 411	1997 AC ₂	1997 01 14.57858	08 19 56.78	+27 06 02.7	411
1997 AW ₁	1997 01 03.59498	08 22 40.00	+27 16 14.0	411	1997 AC ₂	1997 01 14.59385	08 19 55.89	+27 06 03.9	411
1997 AW ₁	1997 01 04.50322	08 21 49.47	+27 21 51.0	411	1997 AD ₂	* 1997 01 03.66889	08 31 03.94	+27 25 05.7	17.5 411
1997 AW ₁	1997 01 04.51390	08 21 48.84	+27 21 55.3	411	1997 AD ₂	1997 01 03.68237	08 31 03.10	+27 25 08.8	411
1997 AW ₁	1997 01 08.51416	08 17 50.63	+27 46 14.1	411	1997 AD ₂	1997 01 04.52611	08 30 15.92	+27 29 23.4	411
1997 AW ₁	1997 01 08.52638	08 17 49.82	+27 46 19.1	411	1997 AD ₂	1997 01 04.53830	08 30 15.26	+27 29 27.4	411

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1997 AD ₂	1997 01 08.55082	08 26 15.62	+27 49 21.4	411	1997 AM ₂	1997 01 08.55541	08 30 27.54	+24 31 18.5	411
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1997 AE ₂	1997 01 04.61499	09 15 02.01	+15 12 10.5	411	1997 AN ₂	1997 01 08.55235	08 29 29.23	+25 25 39.3	411
1997 AE ₂	1997 01 10.70182	09 10 55.29	+15 14 58.3	411	1997 AN ₂	1997 01 14.58010	08 22 29.73	+25 35 29.7	411
1997 AE ₂	1997 01 10.71152	09 10 54.82	+15 14 59.2	411	1997 AN ₂	1997 01 14.59538	08 22 28.62	+25 35 30.4	411
1997 AF ₂	* 1997 01 03.67585	09 14 40.16	+16 17 11.0	19 411	1997 AO ₂	* 1997 01 03.69580	08 34 12.38	+26 25 19.2	17 411
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1997 AF ₂	1997 01 04.56674	09 14 12.08	+16 23 09.2	411	1997 AO ₂	1997 01 04.52763	08 33 36.76	+26 31 34.0	411
1997 AF ₂	1997 01 04.60833	09 14 10.62	+16 23 24.7	411	1997 AO ₂	1997 01 04.53983	08 33 36.18	+26 31 40.4	411
1997 AF ₂	1997 01 10.69992	09 10 26.24	+17 06 55.1	411	1997 AO ₂	1997 01 08.54013	08 30 32.93	+27 01 49.8	411
1997 AF ₂	1997 01 10.73878	09 10 24.58	+17 07 12.1	411	1997 AO ₂	1997 01 08.55388	08 30 32.25	+27 01 55.5	411
1997 AF ₂	1997 01 10.74126	09 10 24.51	+17 07 13.4	411	1997 AO ₂	1997 01 14.58316	08 25 27.27	+27 46 25.8	411
1997 AG ₂	* 1997 01 03.67585	09 15 25.90	+16 20 09.9	19 411	1997 AO ₂	1997 01 14.59844	08 25 26.40	+27 46 32.5	411
1997 AG ₂	1997 01 03.69726	09 15 25.16	+16 20 12.5	411	1997 AP ₂	* 1997 01 03.70880	09 16 21.87	+14 32 02.8	18 411
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1997 AG ₂	1997 01 04.65851	09 14 52.42	+16 20 57.5	411	1997 AP ₂	1997 01 04.59487	09 15 56.64	+14 35 44.2	411
1997 AG ₂	1997 01 10.70373	09 10 50.02	+16 27 51.1	411	1997 AP ₂	1997 01 04.61944	09 15 55.87	+14 35 49.5	411
1997 AG ₂	1997 01 10.74641	09 10 47.96	+16 27 55.2	411	1997 AP ₂	1997 01 10.55395	09 12 31.96	+15 03 36.2	411
1997 AH ₂	* 1997 01 03.68079	09 14 33.36	+17 33 05.7	18.5 411	1997 AP ₂	1997 01 10.56925	09 12 31.30	+15 03 40.5	411
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1997 AH ₂	1997 01 04.58174	09 14 03.71	+17 34 23.8	411	1997 AQ ₂	1997 01 03.72950	08 38 32.95	+23 52 31.8	411
1997 AH ₂	1997 01 04.60166	09 14 03.14	+17 34 24.1	411	1997 AQ ₂	1997 01 04.53220	08 37 49.51	+23 52 49.2	411
1997 AH ₂	1997 01 10.71859	09 10 03.92	+17 45 21.5	411	1997 AQ ₂	1997 01 04.54440	08 37 48.79	+23 52 50.3	411
1997 AH ₂	1997 01 10.72125	09 10 03.77	+17 45 21.5	411	1997 AQ ₂	1997 01 08.54318	08 33 58.52	+23 54 07.5	411
1997 AH ₂	1997 01 10.72916	09 10 03.44	+17 45 22.3	411	1997 AQ ₂	1997 01 08.55693	08 33 57.75	+23 54 08.7	411
1997 AJ ₂	* 1997 01 03.68244	09 15 20.07	+18 07 53.0	17 411	1997 AQ ₂	1997 01 14.58469	08 27 40.83	+23 55 05.9	411
1997 AJ ₂	1997 01 03.70385	09 15 19.34	+18 08 00.3	411	1997 AQ ₂	1997 01 14.59997	08 27 39.78	+23 55 05.7	411
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1997 AL ₂	1997 01 04.56862	09 14 39.93	+18 21 36.0	411	1997 AS ₂	1997 01 04.62957	09 15 26.16	+17 17 35.7	411
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1997 AM ₂	1997 01 04.53068	08 34 39.02	+24 05 00.9	411	1997 AT ₂	1997 01 04.51390	08 22 10.85	+27 29 34.0	411
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1997 AT ₂	1997 01 14.56634	08 09 44.35	+28 10 16.9	411	1997 AB ₃	1997 01 10.53524	08 42 36.92	+23 56 17.0	411
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1997 AU ₂	1997 01 03.49984	08 00 47.69	+25 13 14.4	411	1997 AC ₃	1997 01 06.54473	08 45 53.38	+26 53 43.4	411
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1997 AV ₂	1997 01 06.51434	08 11 58.97	+24 04 08.5	411	1997 AD ₃	1997 01 10.52461	08 46 13.79	+26 51 01.3	411
1997 AV ₂	1997 01 06.52285	08 11 58.54	+24 04 10.9	411	1997 AD ₃	1997 01 10.53642	08 46 13.00	+26 51 04.1	411
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1997 AW ₂	1997 01 04.54958	08 41 12.71	+25 49 34.1	411	1997 AE ₃	1997 01 10.53760	08 58 07.80	+27 48 16.2	411
1997 AW ₂	1997 01 06.52637	08 39 48.52	+25 57 41.5	411	1997 AE ₃	1997 01 13.69100	08 55 41.98	+28 27 31.8	411
1997 AW ₂	1997 01 06.53556	08 39 48.07	+25 57 43.2	411	1997 AE ₃	1997 01 13.70454	08 55 41.35	+28 27 41.5	411
1997 AW ₂	1997 01 10.51634	08 36 43.52	+26 13 57.0	411	1997 AF ₃	* 1997 01 04.74224	09 02 31.52	+26 32 18.8	17 411
1997 AW ₂	1997 01 10.52815	08 36 42.91	+26 13 59.2	411	1997 AF ₃	1997 01 04.75573	09 02 30.92	+26 32 21.9	411
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1997 AX ₂	1997 01 06.53097	08 43 01.39	+25 46 01.3	411	1997 AF ₃	1997 01 10.52697	08 58 19.70	+27 04 46.5	411
1997 AX ₂	1997 01 06.54168	08 43 00.86	+25 46 08.5	411	1997 AF ₃	1997 01 10.53878	08 58 19.05	+27 04 50.9	411
1997 AX ₂	1997 01 10.51988	08 39 52.87	+26 19 51.1	411	1997 AW ₃	* 1997 01 06.53489	08 44 39.83	+15 51 19.6	17 411
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1997 AY ₂	* 1997 01 04.56523	08 45 51.65	+25 58 40.4	17.5 411	1997 AW ₃	1997 01 07.57069	08 43 51.14	+15 57 26.6	411
1997 AY ₂	1997 01 04.57872	08 45 51.05	+25 58 46.6	411	1997 AW ₃	1997 01 07.58143	08 43 50.59	+15 57 30.7	411
1997 AY ₂	1997 01 06.53250	08 44 25.11	+26 10 08.6	411	1997 AW ₃	1997 01 11.50280	08 40 31.95	+16 21 52.8	411
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1997 AZ ₂	1997 01 06.53861	08 41 11.08	+26 46 19.3	411	1997 AX ₃	1997 01 11.52494	08 42 28.77	+15 36 59.8	411
1997 AZ ₂	1997 01 10.51752	08 36 33.35	+26 52 34.4	411	1997 AY ₃	* 1997 01 06.58456	08 52 34.03	+13 14 42.7	17.5 411
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1997 AA ₃	1997 01 04.58317	08 43 33.23	+27 25 13.2	411	1997 AY ₃	1997 01 07.58449	08 51 50.19	+13 19 55.1	411
1997 AA ₃	1997 01 06.52944	08 41 44.36	+27 25 29.7	411	1997 AY ₃	1997 01 11.51730	08 48 42.47	+13 42 04.4	411
1997 AA ₃	1997 01 06.54014	08 41 43.76	+27 25 29.2	411	1997 AY ₃	1997 01 11.52646	08 48 41.97	+13 42 07.3	411
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1997 AA ₃	1997 01 10.53051	08 37 49.36	+27 25 25.8	411	1997 AZ ₃	1997 01 06.61024	09 17 12.17	+14 31 34.8	411
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1997 AA ₄	1997 01 07.61922	09 16 45.14	+14 26 54.9	411	1997 AK ₄	* 1997 01 06.65222	08 57 42.33	+15 37 00.2	17.5 411
1997 AA ₄	1997 01 07.63163	09 16 44.57	+14 26 55.1	411	1997 AK ₄	1997 01 06.66582	08 57 41.74	+15 37 03.1	411
1997 AA ₄	1997 01 11.61550	09 13 37.48	+14 35 41.2	411	1997 AK ₄	1997 01 07.57989	08 57 05.14	+15 38 20.0	411
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1997 AB ₄	* 1997 01 06.60035	09 17 20.29	+17 13 14.6	18.5 411	1997 AK ₄	1997 01 11.52341	08 54 14.80	+15 44 45.0	411
1997 AB ₄	1997 01 06.62177	09 17 19.17	+17 13 18.7	411	1997 AK ₄	1997 01 11.53260	08 54 14.41	+15 44 46.3	411
1997 AB ₄	1997 01 07.62110	09 16 31.90	+17 15 47.9	411	1997 AL ₄	* 1997 01 06.65447	08 56 12.16	+16 06 56.5	16.5 411
1997 AB ₄	1997 01 07.63351	09 16 31.26	+17 15 50.0	411	1997 AL ₄	1997 01 06.66806	08 56 11.66	+16 07 03.7	411
1997 AB ₄	1997 01 11.61356	09 13 06.17	+17 26 38.9	411	1997 AL ₄	1997 01 07.57835	08 55 38.04	+16 14 40.5	411
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1997 AC ₄	1997 01 06.62342	09 18 21.63	+17 38 36.9	411	1997 AL ₄	1997 01 11.53106	08 52 58.58	+16 49 03.2	411
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1997 AC ₄	1997 01 11.61725	09 14 25.18	+17 55 43.6	411	1997 AM ₄	1997 01 07.64559	09 20 03.18	+13 53 38.7	411
1997 AC ₄	1997 01 11.63731	09 14 24.19	+17 55 48.5	411	1997 AM ₄	1997 01 07.65767	09 20 02.66	+13 53 41.9	411
1997 AD ₄	* 1997 01 06.60364	09 18 47.10	+17 49 01.1	18.5 411	1997 AM ₄	1997 01 11.66522	09 17 34.98	+14 19 03.8	411
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1997 AD ₄	1997 01 07.62635	09 18 08.55	+17 50 48.4	411	1997 AM ₄	1997 01 11.67193	09 17 34.67	+14 19 07.3	411
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1997 AD ₄	1997 01 11.62058	09 15 21.43	+17 58 34.0	411	1997 AN ₄	1997 01 06.69236	09 21 20.79	+14 56 03.7	411
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1997 AF ₄	* 1997 01 06.62834	09 18 47.86	+14 04 27.0	16.5 411	1997 AO ₄	1997 01 07.66295	09 21 16.93	+15 57 19.1	411
1997 AF ₄	1997 01 06.64811	09 18 47.30	+14 04 34.4	411	1997 AO ₄	1997 01 11.63156	09 18 46.20	+16 15 47.1	411
1997 AF ₄	1997 01 07.64389	09 18 21.59	+14 10 42.7	411	1997 AO ₄	1997 01 11.65196	09 18 45.34	+16 15 53.8	411
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1997 AF ₄	1997 01 11.64453	09 16 22.88	+14 37 02.2	411	1997 AP ₄	1997 01 07.59214	08 57 43.67	+14 26 16.6	411
1997 AG ₄	* 1997 01 06.63658	09 18 59.09	+16 00 13.7	16.5 411	1997 AP ₄	1997 01 07.60286	08 57 43.28	+14 26 18.2	411
1997 AG ₄	1997 01 06.65635	09 18 58.28	+16 00 08.9	411	1997 AP ₄	1997 01 11.53413	08 54 59.36	+14 35 53.2	411
1997 AG ₄	1997 01 07.64049	09 18 17.33	+15 56 20.3	411	1997 AP ₄	1997 01 11.54330	08 54 58.95	+14 35 54.8	411
1997 AG ₄	1997 01 07.65257	09 18 16.82	+15 56 17.4	411	1997 AQ ₄	* 1997 01 06.68323	09 20 34.83	+17 30 20.3	17.5 411
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1997 AJ ₄	1997 01 06.65908	08 55 33.59	+13 28 29.6	411	1997 AR ₄	1997 01 11.53718	08 58 36.64	+15 04 07.8	411
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1997 AT ₄	1997 01 11.54483	08 57 15.88	+16 38 24.4	411	1997 AO ₅	1997 01 13.61547	09 19 50.23	+22 45 07.7	411
1997 AU ₄	* 1997 01 06.73582	09 04 55.92	+14 10 39.4	17.5	1997 AO ₅	1997 01 13.63423	09 19 49.35	+22 45 15.4	411
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1997 AJ ₅	1997 01 08.59478	09 15 36.85	+22 24 27.2	411	1997 AR ₅	1997 01 08.60853	09 29 23.20	+21 01 27.3	411
1997 AJ ₅	1997 01 13.60824	09 11 30.69	+22 54 36.7	411	1997 AR ₅	1997 01 08.62074	09 29 22.80	+21 01 33.6	411
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1997 AK ₅	1997 01 13.62854	09 14 27.37	+21 16 34.1	411	1997 AS ₅	1997 01 08.62227	09 29 30.71	+22 12 56.6	411
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1997 AL ₅	1997 01 08.58561	09 17 12.76	+23 34 54.4	411	1997 AT ₅	1997 01 08.61616	09 35 28.14	+23 25 02.2	411
1997 AL ₅	1997 01 08.59631	09 17 12.43	+23 34 54.1	411	1997 AT ₅	1997 01 08.62836	09 35 27.88	+23 25 12.0	411
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1997 AL ₅	1997 01 09.54192	09 16 45.22	+23 33 58.6	411	1997 AU ₅	1997 01 07.77873	09 34 54.69	+24 16 23.2	411
1997 AL ₅	1997 01 12.54914	09 15 04.22	+23 31 04.9	411	1997 AU ₅	1997 01 08.61311	09 34 24.63	+24 18 31.7	411
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1997 AM ₅	1997 01 07.62641	09 20 40.52	+22 13 57.8	411	1997 AU ₅	1997 01 13.64076	09 31 00.96	+24 31 36.6	411
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1997 AM ₅	1997 01 13.61376	09 16 44.08	+22 38 40.2	411	1997 AW ₆	1997 01 10.67676	09 17 05.98	+21 01 30.6	411
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1997 AN ₅	* 1997 01 07.61961	09 21 44.12	+24 31 46.1	17.5	1997 AW ₆	1997 01 13.62854	09 14 43.36	+21 11 49.9	411
1997 AN ₅	1997 01 07.63310	09 21 43.42	+24 31 51.3	411	1997 AX ₆	* 1997 01 09.59255	09 04 10.06	+11 21 20.9	17.5
1997 AN ₅	1997 01 08.59020	09 21 02.03	+24 38 41.3	411	1997 AX ₆	1997 01 09.60606	09 04 09.52	+11 21 26.3	411

1997 AX ₆	1997 01 10.62217	09 03 32.68	+11 27 26.7	411	1997 AG ₇	* 1997 01 09.67773	09 12 30.72	+10 36 51.7	18	411	
1997 AX ₆	1997 01 10.62830	09 03 32.47	+11 27 29.2	411	1997 AG ₇	1997 01 09.69121	09 12 30.13	+10 36 52.5		411	
1997 AX ₆	1997 01 13.56810	09 01 40.85	+11 45 38.6	411	1997 AG ₇	1997 01 10.59361	09 11 56.10	+10 38 50.0		411	
1997 AX ₆	1997 01 13.57668	09 01 40.53	+11 45 42.0	411	1997 AG ₇	1997 01 10.61792	09 11 55.13	+10 38 53.3		411	
1997 AY ₆	* 1997 01 09.59968	09 39 50.34	+12 42 26.6	18.5	411	1997 AH ₇	* 1997 01 09.67773	09 12 52.34	+10 30 05.7	17	411
1997 AY ₆	1997 01 09.61946	09 39 49.60	+12 42 26.3	411	1997 AH ₇	1997 01 09.69121	09 12 51.69	+10 30 09.8		411	
1997 AY ₆	1997 01 10.63240	09 39 11.76	+12 41 57.9	411	1997 AH ₇	1997 01 10.59514	09 12 14.39	+10 35 04.0		411	
1997 AY ₆	1997 01 10.65010	09 39 11.07	+12 41 56.4	411	1997 AH ₇	1997 01 10.60437	09 12 13.98	+10 35 06.5		411	
1997 AY ₆	1997 01 13.64342	09 37 10.03	+12 41 13.8	411	1997 AH ₇	1997 01 13.59133	09 10 01.27	+10 52 24.7		411	
1997 AY ₆	1997 01 13.69554	09 37 07.68	+12 41 13.3	411	1997 AH ₇	1997 01 13.60274	09 10 00.71	+10 52 28.9		411	
1997 AZ ₆	* 1997 01 09.62838	09 06 51.11	+13 27 10.4	17.5	411	1997 AJ ₇	* 1997 01 09.67788	09 42 42.37	+12 26 58.8	18.5	411
1997 AZ ₆	1997 01 09.64186	09 06 50.40	+13 27 14.3	411	1997 AJ ₇	1997 01 09.70003	09 42 41.80	+12 26 59.4		411	
1997 AZ ₆	1997 01 10.57674	09 06 07.99	+13 30 57.6	411	1997 AJ ₇	1997 01 10.64107	09 42 17.52	+12 27 58.5		411	
1997 AZ ₆	1997 01 10.58593	09 06 07.57	+13 31 00.3	411	1997 AJ ₇	1997 01 10.65878	09 42 17.04	+12 27 58.7		411	
1997 AZ ₆	1997 01 13.58159	09 03 43.71	+13 43 37.3	411	1997 AJ ₇	1997 01 13.65744	09 40 48.17	+12 32 02.1		411	
1997 AZ ₆	1997 01 13.59304	09 03 43.12	+13 43 40.3	411	1997 AJ ₇	1997 01 13.72206	09 40 45.87	+12 32 07.7		411	
1997 AA ₇	* 1997 01 09.64087	09 42 00.24	+13 11 15.7	17.5	411	1997 AK ₇	* 1997 01 09.68318	09 42 47.52	+13 37 44.2	18.5	411
1997 AA ₇	1997 01 09.66082	09 41 59.57	+13 11 20.8	411	1997 AK ₇	1997 01 09.70590	09 42 46.83	+13 37 52.1		411	
1997 AA ₇	1997 01 10.63598	09 41 26.42	+13 15 30.6	411	1997 AK ₇	1997 01 10.64295	09 42 17.41	+13 43 59.0		411	
1997 AA ₇	1997 01 10.65367	09 41 25.74	+13 15 35.3	411	1997 AK ₇	1997 01 10.66065	09 42 16.75	+13 44 05.6		411	
1997 AA ₇	1997 01 13.64864	09 39 33.56	+13 29 18.6	411	1997 AK ₇	1997 01 13.70186	09 40 33.24	+14 04 42.6		411	
1997 AA ₇	1997 01 13.67046	09 39 32.62	+13 29 25.1	411	1997 AK ₇	1997 01 13.71315	09 40 32.76	+14 04 47.2		411	
1997 AB ₇	* 1997 01 09.65081	09 41 24.98	+15 34 53.5	18	411	1997 AL ₇	* 1997 01 09.68664	09 11 35.23	+13 25 05.2	16.5	411
1997 AB ₇	1997 01 09.67099	09 41 24.25	+15 34 58.3	411	1997 AL ₇	1997 01 09.70012	09 11 34.69	+13 25 07.5		411	
1997 AB ₇	1997 01 10.63428	09 40 55.95	+15 39 06.8	411	1997 AL ₇	1997 01 10.58286	09 10 56.87	+13 28 50.3		411	
1997 AB ₇	1997 01 10.65197	09 40 55.38	+15 39 10.8	411	1997 AL ₇	1997 01 10.59208	09 10 56.35	+13 28 52.7		411	
1997 AB ₇	1997 01 13.64606	09 39 16.48	+15 52 55.2	411	1997 AL ₇	1997 01 13.58792	09 08 39.25	+13 42 14.6		411	
1997 AB ₇	1997 01 13.66734	09 39 15.64	+15 53 01.2	411	1997 AL ₇	1997 01 13.59932	09 08 38.69	+13 42 17.5		411	
1997 AC ₇	* 1997 01 09.65528	09 08 58.68	+12 30 03.5	17	411	1997 AM ₇	* 1997 01 09.69420	09 42 47.55	+15 57 05.5	18	411
1997 AC ₇	1997 01 09.66876	09 08 58.18	+12 30 10.0	411	1997 AM ₇	1997 01 09.71946	09 42 46.70	+15 57 07.5		411	
1997 AC ₇	1997 01 10.57828	09 08 25.50	+12 36 50.3	411	1997 AM ₇	1997 01 10.63920	09 42 17.27	+15 58 23.4		411	
1997 AC ₇	1997 01 10.58747	09 08 25.14	+12 36 53.4	411	1997 AM ₇	1997 01 10.65690	09 42 16.54	+15 58 24.6		411	
1997 AC ₇	1997 01 13.58331	09 06 29.46	+12 59 46.4	411	1997 AM ₇	1997 01 13.65128	09 40 28.29	+16 03 19.2		411	
1997 AC ₇	1997 01 13.59474	09 06 28.97	+12 59 51.6	411	1997 AM ₇	1997 01 13.67351	09 40 27.37	+16 03 21.7		411	
1997 AD ₇	* 1997 01 09.65751	09 09 59.42	+13 36 12.1	17	411	1997 AN ₇	* 1997 01 09.70908	09 15 46.27	+11 12 55.6	17.5	411
1997 AD ₇	1997 01 09.67099	09 09 58.74	+13 36 15.4	411	1997 AN ₇	1997 01 09.72257	09 15 45.78	+11 12 56.4		411	
1997 AD ₇	1997 01 10.57980	09 09 14.45	+13 39 43.4	411	1997 AN ₇	1997 01 10.59668	09 15 12.95	+11 14 02.9		411	
1997 AD ₇	1997 01 10.58900	09 09 13.96	+13 39 46.1	411	1997 AN ₇	1997 01 10.60591	09 15 12.58	+11 14 04.3		411	
1997 AD ₇	1997 01 13.58485	09 06 41.29	+13 51 42.1	411	1997 AN ₇	1997 01 13.60444	09 13 08.38	+11 19 00.0		411	
1997 AD ₇	1997 01 13.59627	09 06 40.65	+13 51 44.6	411	1997 AN ₇	1997 01 13.62274	09 13 07.50	+11 19 02.4		411	
1997 AE ₇	* 1997 01 09.67550	09 11 05.33	+10 16 44.9	17	411	1997 AO ₇	* 1997 01 09.76957	09 19 26.42	+12 07 17.0	17.5	411
1997 AE ₇	1997 01 09.68898	09 11 04.85	+10 16 46.9	411	1997 AO ₇	1997 01 09.78305	09 19 25.82	+12 07 18.8		411	
1997 AE ₇	1997 01 10.58134	09 10 31.59	+10 19 43.6	411	1997 AO ₇	1997 01 10.59975	09 18 51.00	+12 10 53.5		411	
1997 AE ₇	1997 01 10.59054	09 10 31.16	+10 19 45.0	411	1997 AO ₇	1997 01 10.60899	09 18 50.60	+12 10 56.1		411	
1997 AE ₇	1997 01 13.58639	09 08 29.60	+10 30 44.5	411	1997 AO ₇	1997 01 13.60633	09 16 32.81	+12 24 52.5		411	
1997 AE ₇	1997 01 13.59780	09 08 29.15	+10 30 47.5	411	1997 AO ₇	1997 01 13.62465	09 16 31.94	+12 24 57.7		411	
1997 AF ₇	* 1997 01 09.67613	09 43 43.16	+11 56 25.0	18	411	1997 AW ₁₀	1997 01 07.58381	09 18 32.54	+22 17 24.2		411
1997 AF ₇	1997 01 09.69806	09 43 42.78	+11 56 28.6	411	1997 AW ₁₀	1997 01 07.59728	09 18 31.75	+22 17 20.4		411	
1997 AF ₇	1997 01 10.64822	09 43 24.29	+12 00 04.4	411	1997 AQ ₁₂	* 1997 01 10.62795	08 52 17.73	+20 24 51.2	16.5	411	
1997 AF ₇	1997 01 10.66593	09 43 23.88	+12 00 07.2	411	1997 AQ ₁₂	1997 01 10.64144	08 52 17.14	+20 24 56.6		411	
1997 AF ₇	1997 01 13.66071	09 42 13.71	+12 12 38.2	411	1997 AQ ₁₂	1997 01 11.55798	08 51 38.44	+20 31 22.2		411	
1997 AF ₇	1997 01 13.71648	09 42 12.12	+12 12 52.9	411	1997 AQ ₁₂	1997 01 11.56874	08 51 37.98	+20 31 26.9		411	

1997 AQ ₁₂	1997 01 14.69538	08 49 19.98	+20 53 34.5		411	1997 AZ ₁₂	1997 01 11.58271	09 03 55.69	+19 17 20.3	411
1997 AQ ₁₂	1997 01 14.71065	08 49 19.32	+20 53 41.3		411	1997 AZ ₁₂	1997 01 11.59363	09 03 55.23	+19 17 27.9	411
1997 AR ₁₂	* 1997 01 10.63017	08 51 09.63	+21 09 24.6	17	411	1997 AZ ₁₂	1997 01 14.70712	09 01 51.72	+19 51 47.0	411
1997 AR ₁₂	1997 01 10.64366	08 51 09.00	+21 09 24.3		411	1997 AZ ₁₂	1997 01 14.72242	09 01 51.05	+19 51 57.3	411
1997 AR ₁₂	1997 01 11.55491	08 50 22.91	+21 10 17.1		411	1997 AA ₁₃	* 1997 01 10.77360	09 04 28.52	+20 49 53.7	16.5 411
1997 AR ₁₂	1997 01 11.56567	08 50 22.34	+21 10 18.9		411	1997 AA ₁₃	1997 01 10.78709	09 04 27.92	+20 49 55.3	411
1997 AR ₁₂	1997 01 14.69303	08 47 38.81	+21 13 20.6		411	1997 AA ₁₃	1997 01 11.58427	09 03 53.03	+20 53 04.1	411
1997 AR ₁₂	1997 01 14.70829	08 47 37.93	+21 13 20.9		411	1997 AA ₁₃	1997 01 11.59519	09 03 52.53	+20 53 07.0	411
1997 AS ₁₂	* 1997 01 10.63017	08 51 55.17	+21 36 53.1	17	411	1997 AA ₁₃	1997 01 14.70477	09 01 28.72	+21 05 31.6	411
1997 AS ₁₂	1997 01 10.64366	08 51 54.55	+21 36 59.8		411	1997 AA ₁₃	1997 01 14.72008	09 01 27.99	+21 05 35.9	411
1997 AS ₁₂	1997 01 11.55645	08 51 09.07	+21 44 08.0		411	1997 AB ₁₃	* 1997 01 10.77583	09 05 12.54	+21 33 41.4	16.5 411
1997 AS ₁₂	1997 01 11.56720	08 51 08.46	+21 44 12.3		411	1997 AB ₁₃	1997 01 10.78932	09 05 11.79	+21 33 45.9	411
1997 AS ₁₂	1997 01 14.69421	08 48 23.76	+22 09 01.0		411	1997 AB ₁₃	1997 01 11.58583	09 04 31.06	+21 38 12.1	411
1997 AS ₁₂	1997 01 14.70947	08 48 22.85	+22 09 07.8		411	1997 AB ₁₃	1997 01 11.59675	09 04 30.47	+21 38 15.7	411
1997 AT ₁₂	* 1997 01 10.68620	08 56 55.08	+20 40 05.8	17	411	1997 AB ₁₃	1997 01 14.70595	09 01 40.06	+21 55 45.7	411
1997 AT ₁₂	1997 01 10.69968	08 56 54.25	+20 40 07.2		411	1997 AB ₁₃	1997 01 14.72126	09 01 39.17	+21 55 51.3	411
1997 AT ₁₂	1997 01 11.56259	08 56 08.76	+20 41 42.3		411	1997 AD ₁₃	* 1997 01 11.59051	09 00 55.59	+26 52 35.1	17 411
1997 AT ₁₂	1997 01 11.57339	08 56 08.26	+20 41 44.0		411	1997 AD ₁₃	1997 01 11.60400	09 00 54.97	+26 52 41.5	411
1997 AT ₁₂	1997 01 14.69772	08 53 13.90	+20 47 32.8		411	1997 AD ₁₃	1997 01 12.49443	09 00 13.32	+27 01 22.7	411
1997 AT ₁₂	1997 01 14.71300	08 53 12.93	+20 47 34.4		411	1997 AD ₁₃	1997 01 12.50118	09 00 12.97	+27 01 26.5	411
1997 AU ₁₂	* 1997 01 10.68843	08 56 45.81	+21 23 43.3	17.5	411	1997 AD ₁₃	1997 01 14.70124	08 58 24.29	+27 22 59.7	411
1997 AU ₁₂	1997 01 10.70191	08 56 45.06	+21 23 45.5		411	1997 AD ₁₃	1997 01 14.71653	08 58 23.46	+27 23 08.5	411
1997 AU ₁₂	1997 01 11.56106	08 55 55.34	+21 24 55.5		411	1997 AE ₁₃	* 1997 01 11.61966	09 04 28.08	+27 08 48.6	17.5 411
1997 AU ₁₂	1997 01 11.57184	08 55 54.71	+21 24 56.9		411	1997 AE ₁₃	1997 01 11.63317	09 04 27.34	+27 08 57.1	411
1997 AU ₁₂	1997 01 14.69655	08 52 43.76	+21 29 12.7		411	1997 AE ₁₃	1997 01 12.51793	09 03 46.86	+27 16 40.3	411
1997 AU ₁₂	1997 01 14.71182	08 52 42.87	+21 29 13.7		411	1997 AE ₁₃	1997 01 12.53658	09 03 45.93	+27 16 50.3	411
1997 AV ₁₂	* 1997 01 10.71310	09 00 02.46	+20 08 05.9	17.5	411	1997 AE ₁₃	1997 01 12.54167	09 03 45.76	+27 16 52.9	411
1997 AV ₁₂	1997 01 10.72659	09 00 01.87	+20 08 10.2		411	1997 AE ₁₃	1997 01 14.72361	09 01 59.05	+27 35 58.4	411
1997 AV ₁₂	1997 01 11.57805	08 59 25.22	+20 11 47.4		411	1997 AE ₁₃	1997 01 14.73299	09 01 58.49	+27 36 04.5	411
1997 AV ₁₂	1997 01 11.58894	08 59 24.65	+20 11 50.2		411	1997 AF ₁₃	* 1997 01 11.64215	09 07 03.57	+25 16 07.6	17.5 411
1997 AV ₁₂	1997 01 14.70007	08 57 04.29	+20 25 13.7		411	1997 AF ₁₃	1997 01 11.65565	09 07 02.79	+25 16 15.1	411
1997 AV ₁₂	1997 01 14.71535	08 57 03.66	+20 25 18.2		411	1997 AF ₁₃	1997 01 12.50870	09 06 20.22	+25 24 11.7	411
1997 AW ₁₂	* 1997 01 10.71756	08 59 17.61	+21 20 38.5	18	411	1997 AF ₁₃	1997 01 12.52101	09 06 19.57	+25 24 19.3	411
1997 AW ₁₂	1997 01 10.73104	08 59 16.92	+21 20 38.5		411	1997 AF ₁₃	1997 01 14.72594	09 04 23.28	+25 44 58.6	411
1997 AW ₁₂	1997 01 11.57649	08 58 30.10	+21 19 00.5		411	1997 AF ₁₃	1997 01 14.73535	09 04 22.73	+25 45 03.7	411
1997 AW ₁₂	1997 01 11.61020	08 58 28.19	+21 18 57.0		411	1997 AG ₁₃	* 1997 01 11.64661	09 08 06.54	+26 29 01.8	17 411
1997 AW ₁₂	1997 01 14.69889	08 55 27.08	+21 12 57.9		411	1997 AG ₁₃	1997 01 11.66012	09 08 05.87	+26 29 08.1	411
1997 AW ₁₂	1997 01 14.71418	08 55 26.19	+21 12 55.8		411	1997 AG ₁₃	1997 01 12.51024	09 07 27.63	+26 35 57.9	411
1997 AX ₁₂	* 1997 01 10.74001	09 02 37.18	+19 15 18.0	17.5	411	1997 AG ₁₃	1997 01 12.52255	09 07 26.98	+26 36 03.6	411
1997 AX ₁₂	1997 01 10.75349	09 02 36.68	+19 15 27.9		411	1997 AG ₁₃	1997 01 14.72712	09 05 40.44	+26 53 48.7	411
1997 AX ₁₂	1997 01 11.58115	09 02 09.11	+19 23 52.4		411	1997 AG ₁₃	1997 01 14.73652	09 05 39.97	+26 53 52.9	411
1997 AX ₁₂	1997 01 11.59207	09 02 08.73	+19 23 58.3		411	1997 AH ₁₃	* 1997 01 11.65106	09 06 21.95	+27 41 05.7	17.5 411
1997 AX ₁₂	1997 01 14.70360	09 00 11.48	+19 56 03.3		411	1997 AH ₁₃	1997 01 11.66457	09 06 21.27	+27 41 12.1	411
1997 AX ₁₂	1997 01 14.71889	09 00 10.77	+19 56 12.4		411	1997 AH ₁₃	1997 01 12.50716	09 05 42.10	+27 46 18.0	411
1997 AY ₁₂	* 1997 01 10.74223	09 01 46.81	+20 01 30.4	18	411	1997 AH ₁₃	1997 01 12.51947	09 05 41.40	+27 46 22.8	411
1997 AY ₁₂	1997 01 10.75572	09 01 46.19	+20 01 36.3		411	1997 AH ₁₃	1997 01 14.72477	09 03 54.74	+27 59 38.4	411
1997 AY ₁₂	1997 01 11.57960	09 01 13.31	+20 07 17.8		411	1997 AH ₁₃	1997 01 14.73417	09 03 54.14	+27 59 42.6	411
1997 AY ₁₂	1997 01 11.59050	09 01 12.81	+20 07 22.1		411	1997 AJ ₁₃	* 1997 01 11.67801	09 09 15.11	+26 56 50.1	17.5 411
1997 AY ₁₂	1997 01 14.70242	08 58 57.15	+20 29 21.4		411	1997 AJ ₁₃	1997 01 11.69152	09 09 14.33	+26 56 51.3	411
1997 AY ₁₂	1997 01 14.71771	08 58 56.40	+20 29 29.1		411	1997 AJ ₁₃	1997 01 12.51178	09 08 27.24	+26 59 05.3	411
1997 AZ ₁₂	* 1997 01 10.76914	09 04 24.48	+19 08 38.1	17	411	1997 AJ ₁₃	1997 01 12.52409	09 08 26.45	+26 59 07.0	411
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1997 AJ ₁₃	1997 01 14.73770	09 06 12.98	+27 04 56.8		411	1997 AY ₁₇	1997 01 16.65133	09 43 45.00	+19 53 29.1		411
1997 AK ₁₃	* 1997 01 11.68024	09 09 26.40	+27 56 47.3	16	411	1997 AZ ₁₇	* 1997 01 15.66378	09 51 04.67	+18 35 43.2	17	411
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1997 AK ₁₃	1997 01 12.51332	09 08 55.22	+28 04 23.3		411	1997 AZ ₁₇	1997 01 16.61948	09 50 31.13	+18 40 36.2		411
1997 AK ₁₃	1997 01 12.52563	09 08 54.73	+28 04 30.0		411	1997 AZ ₁₇	1997 01 16.62567	09 50 30.88	+18 40 38.3		411
1997 AL ₁₃	* 1997 01 11.73636	09 15 56.38	+27 16 13.1	17	411	1997 AA ₁₈	* 1997 01 15.66824	09 51 32.50	+20 09 17.3	16.5	411
1997 AL ₁₃	1997 01 11.74988	09 15 55.81	+27 16 14.2		411	1997 AA ₁₈	1997 01 15.68172	09 51 32.05	+20 09 23.6		411
1997 AL ₁₃	1997 01 12.51639	09 15 21.24	+27 18 25.0		411	1997 AA ₁₈	1997 01 16.62075	09 51 01.08	+20 16 11.2		411
1997 AL ₁₃	1997 01 12.52872	09 15 20.68	+27 18 27.7		411	1997 AA ₁₈	1997 01 16.62686	09 51 00.83	+20 16 12.9		411
1997 AL ₁₃	1997 01 14.73182	09 13 37.33	+27 24 38.7		411	1997 AB ₁₈	* 1997 01 15.75341	10 00 04.71	+19 26 24.0	17.5	411
1997 AL ₁₃	1997 01 14.74123	09 13 36.87	+27 24 39.8		411	1997 AB ₁₈	1997 01 15.76690	10 00 04.19	+19 26 25.6		411
1997 AM ₁₃	* 1997 01 11.73859	09 15 26.95	+27 53 44.5	17	411	1997 AB ₁₈	1997 01 16.63247	09 59 28.54	+19 28 42.4		411
1997 AM ₁₃	1997 01 11.75212	09 15 26.19	+27 53 49.2		411	1997 AB ₁₈	1997 01 16.64014	09 59 28.18	+19 28 43.4		411
1997 AM ₁₃	1997 01 12.51486	09 14 49.74	+27 59 19.7		411	1997 AC ₁₈	* 1997 01 15.75564	09 58 58.41	+19 55 38.0	17	411
1997 AM ₁₃	1997 01 12.52718	09 14 49.04	+27 59 26.5		411	1997 AC ₁₈	1997 01 15.76913	09 58 57.90	+19 55 44.3		411
1997 AT ₁₃	1997 01 14.57551	08 17 27.98	+24 43 08.9	17.5	411	1997 AC ₁₈	1997 01 16.62200	09 58 32.43	+20 02 23.0		411
1997 AT ₁₃	1997 01 14.59080	08 17 26.96	+24 43 11.9		411	1997 AC ₁₈	1997 01 16.62804	09 58 32.16	+20 02 24.8		411
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1997 AT ₁₃	1997 01 15.49861	08 16 24.12	+24 46 44.6		411	1997 BA	1997 01 15.67727	09 50 23.23	+18 30 49.8		411
1997 AP ₁₄	* 1997 01 10.68181	09 42 06.83	+13 22 24.5	18	411	1997 BA	* 1997 01 16.61948	09 50 05.59	+18 42 42.6	17	411
1997 AP ₁₄	1997 01 10.69144	09 42 06.46	+13 22 27.6		411	1997 BA	1997 01 16.62567	09 50 05.49	+18 42 46.8		411
1997 AP ₁₄	1997 01 10.69384	09 42 06.43	+13 22 28.0		411	1997 BL	1997 01 15.75564	09 58 21.21	+19 55 32.2		411
1997 AP ₁₄	1997 01 11.68310	09 41 30.49	+13 25 45.6		411	1997 BL	1997 01 15.76913	09 58 20.93	+19 55 39.4		411
1997 AP ₁₄	1997 01 11.68769	09 41 30.34	+13 25 46.6		411	1997 BL	* 1997 01 16.62200	09 58 00.22	+20 03 11.0	17.5	411
1997 AP ₁₄	1997 01 11.68999	09 41 30.22	+13 25 48.4		411	1997 BL	1997 01 16.62804	09 58 00.05	+20 03 14.0		411
1997 AE ₁₅	* 1997 01 13.61431	08 45 50.32	+32 07 07.3	17.5	411	2120 T-1	1997 01 06.71091	09 01 50.39	+15 53 42.5	18	411
1997 AE ₁₅	1997 01 13.62788	08 45 49.45	+32 07 18.2		411	2120 T-1	1997 01 06.72451	09 01 49.81	+15 53 45.4		411
1997 AE ₁₅	1997 01 14.67341	08 44 52.61	+32 19 16.9		411	2120 T-1	1997 01 07.59521	09 01 13.18	+15 57 08.7		411
1997 AE ₁₅	1997 01 14.68192	08 44 52.10	+32 19 22.8		411	2120 T-1	1997 01 07.60593	09 01 12.70	+15 57 12.1		411
1997 AF ₁₅	* 1997 01 13.66620	08 51 55.43	+30 06 41.8	17	411	5124 T-3	1997 01 15.57862	09 43 40.97	+19 38 55.3	17	411
1997 AF ₁₅	1997 01 13.67976	08 51 54.70	+30 06 47.1		411	5124 T-3	1997 01 15.59211	09 43 40.53	+19 39 03.9		411
1997 AF ₁₅	1997 01 14.68436	08 50 59.83	+30 14 11.3		411	5124 T-3	1997 01 16.62939	09 43 02.10	+19 47 33.1		411
1997 AF ₁₅	1997 01 14.68947	08 50 59.57	+30 14 13.4		411	5124 T-3	1997 01 16.64422	09 43 01.48	+19 47 41.0		411
1997 AS ₁₆	* 1997 01 14.52513	07 44 22.25	+24 40 59.4	17	411	413 Siding Spring					
1997 AS ₁₆	1997 01 14.53735	07 44 21.52	+24 41 00.9		411	R. H. McNaught, Anglo-Australian Observatory, Coonabarabran, N.S.W. 2357,					
1997 AS ₁₆	1997 01 15.48116	07 43 29.50	+24 43 23.0		411	Australia [rmn@aaocbn1.aao.gov.au]					
1997 AS ₁₆	1997 01 15.48627	07 43 29.27	+24 43 24.0		411	Observer C. M. Humphries					
1997 AT ₁₆	* 1997 01 14.52513	07 44 23.45	+24 31 18.4	17	411	Measurer R. H. McNaught					
1997 AT ₁₆	1997 01 14.53735	07 44 22.61	+24 31 21.2		411	1.2-m U.K. Schmidt					
1997 AT ₁₆	1997 01 15.48116	07 43 20.27	+24 35 10.0		411	Perth 70					
1997 AT ₁₆	1997 01 15.48627	07 43 19.97	+24 35 12.1		411	1981 EP ₃₀	1995 11 24.58440	04 40 07.86	−06 29 56.8		413
1997 AU ₁₆	* 1997 01 14.57704	08 19 19.54	+28 20 32.6	16.5	411	1981 EP ₃₀	1995 11 24.63995	04 40 05.38	−06 30 12.4	I	413
1997 AU ₁₆	1997 01 14.59233	08 19 18.68	+28 20 52.5		411	1993 SG ₁	1990 01 20.44365	02 59 30.63	−00 04 48.4	17.5 V	413
1997 AU ₁₆	1997 01 15.50312	08 18 25.27	+28 40 37.2		411	1996 TY ₉	1987 04 30.44208	10 32 02.71	−59 17 23.6	p	413
1997 AU ₁₆	1997 01 15.50717	08 18 25.02	+28 40 43.6		411	(7092)	1980 06 02.35476	11 43 20.29	+13 53 44.9		413
1997 AX ₁₇	* 1997 01 15.60775	09 44 20.67	+19 29 42.7	17	411	(7092)	1980 06 02.39295	11 43 35.69	+13 49 52.2		413
1997 AX ₁₇	1997 01 15.62124	09 44 19.96	+19 29 48.5		411	422 Loomberah					
1997 AX ₁₇	1997 01 16.61820	09 43 32.84	+19 35 37.9		411	G. J. Garradd, P.O. Box 157, Tamworth, NSW 2340, Australia					
1997 AX ₁₇	1997 01 16.62447	09 43 32.55	+19 35 38.9		411	[gjjg@aaocbn3.aao.gov.au]					
1997 AY ₁₇	* 1997 01 15.60998	09 44 32.30	+19 48 57.2	17.5	411	0.25-m $f/4.1$ reflector + CCD					
1997 AY ₁₇	1997 01 15.62346	09 44 31.74	+19 48 58.9		411	GSC					
1997 AY ₁₇	1997 01 16.63555	09 43 45.82	+19 53 24.5		411						

1994 PC ₁	1997 01 10.44308	04 56 15.27	-42 02 11.1	15.2 R	422
1994 PC ₁	1997 01 10.44513	04 56 13.98	-42 02 00.8	15.1 R	422
1994 PC ₁	1997 01 10.44938	04 56 11.31	-42 01 39.1	15.2 R	422
1994 PC ₁	1997 01 10.45144	04 56 10.01	-42 01 28.0	15.2 R	422
1994 PC ₁	1997 01 11.45876	04 45 37.81	-40 24 36.5	15.0 R	422
1994 PC ₁	1997 01 11.45986	04 45 37.04	-40 24 29.9	14.9 R	422
1994 PC ₁	1997 01 11.46094	04 45 36.29	-40 24 23.2	15.0 R	422
1994 PC ₁	1997 01 13.660242	04 18 48.54	-35 32 30.9	14.8 R	422
1994 PC ₁	1997 01 13.661857	04 18 47.24	-35 32 14.9	14.8 R	422
1994 PC ₁	1997 01 13.663248	04 18 46.09	-35 32 00.2	15.0 R	422
1994 PC ₁	1997 01 13.666022	04 18 43.84	-35 31 32.8	14.9 R	422
1994 PC ₁	1997 01 13.667756	04 18 42.41	-35 31 14.9	14.9 R	422
1994 PC ₁	1997 01 13.669901	04 18 40.65	-35 30 53.2	14.9 R	422
1994 PC ₁	1997 01 14.519056	04 06 52.50	-32 59 30.2	14.5 R	422
1994 PC ₁	1997 01 14.520357	04 06 51.37	-32 59 14.6	14.5 R	422
1994 PC ₁	1997 01 14.521256	04 06 50.55	-32 59 04.5	14.6 R	422
1994 PC ₁	1997 01 14.521989	04 06 49.85	-32 58 55.4	14.5 R	422
1996 TE ₁₁	1997 01 11.46992	04 41 12.03	-35 01 36.3	17.8 R	422
1996 TE ₁₁	1997 01 11.47208	04 41 12.20	-35 01 32.8	17.6 R	422
1996 TE ₁₁	1997 01 11.47339	04 41 12.27	-35 01 31.0	17.8 R	422
1997 AQ ₁₈	1997 01 19.68666	07 48 12.14	+19 12 34.7	17.0 b	422
1997 AQ ₁₈	1997 01 19.68860	07 48 11.64	+19 12 31.9	16.9 b	422

423 North Ryde

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

GSC

1994 PC ₁	1997 01 01.50125	05 58 09.39	-48 26 25.6	15.7 V	423
1994 PC ₁	1997 01 01.51633	05 58 04.82	-48 26 10.4		423
1994 PC ₁	1997 01 01.55769	05 57 52.26	-48 25 27.6		423
1994 PC ₁	1997 01 01.59615	05 57 40.62	-48 24 46.2		423
1994 PC ₁	1997 01 01.62420	05 57 32.11	-48 24 14.8		423
1994 PC ₁	1997 01 01.62942	05 57 30.47	-48 24 09.4		423
1994 PC ₁	1997 01 02.49120	05 53 19.78	-48 07 41.5	15.7 V	423
1994 PC ₁	1997 01 02.50185	05 53 16.31	-48 07 28.9		423
1994 PC ₁	1997 01 02.51726	05 53 11.32	-48 07 09.7		423
1994 PC ₁	1997 01 02.52230	05 53 09.68	-48 07 03.9		423
1994 PC ₁	1997 01 02.53182	05 53 06.58	-48 06 51.9		423
1994 PC ₁	1997 01 03.47000	05 48 10.82	-47 45 28.4	15.5 V	423
1994 PC ₁	1997 01 03.51457	05 47 55.17	-47 44 23.8		423
1994 PC ₁	1997 01 03.52603	05 47 51.16	-47 44 06.5		423
1994 PC ₁	1997 01 04.46493	05 42 30.64	-47 18 28.9	15.7 V	423
1994 PC ₁	1997 01 04.47640	05 42 26.32	-47 18 09.5		423
1994 PC ₁	1997 01 04.49696	05 42 18.51	-47 17 33.7		423
1994 PC ₁	1997 01 04.51804	05 42 10.47	-47 16 56.2		423
1994 PC ₁	1997 01 04.54550	05 42 00.02	-47 16 07.5		423
1994 PC ₁	1997 01 04.58589	05 41 44.57	-47 14 52.5		423
1994 PC ₁	1997 01 04.59140	05 41 42.49	-47 14 42.1		423
1994 PC ₁	1997 01 04.59661	05 41 40.49	-47 14 32.5		423
1994 PC ₁	1997 01 04.61193	05 41 34.63	-47 14 03.4		423
1994 PC ₁	1997 01 04.61718	05 41 32.65	-47 13 52.9		423
1994 PC ₁	1997 01 06.49027	05 29 25.15	-46 06 25.6	15.6 V	423

1994 PC ₁	1997 01 06.56330	05 28 52.39	-46 03 17.6		423
1994 PC ₁	1997 01 06.56814	05 28 50.23	-46 03 04.5		423
1994 PC ₁	1997 01 06.57800	05 28 45.81	-46 02 38.2		423
1994 PC ₁	1997 01 06.59532	05 28 37.99	-46 01 51.7		423
(276)	1997 01 04.66608	08 07 37.90	-11 53 18.0	13.6 V	423
(276)	1997 01 04.68369	08 07 37.11	-11 53 20.6		423
(1025)	1996 12 15.63508	06 51 17.83	-23 14 18.8	15.7 V	423
(1025)	1996 12 15.64832	06 51 17.04	-23 14 20.7		423
(1025)	1996 12 15.65807	06 51 16.47	-23 14 21.7		423
(1025)	1996 12 15.70388	06 51 13.75	-23 14 26.4		423
(1025)	1996 12 18.59730	06 48 25.68	-23 17 25.2	15.6 V	423
(1025)	1996 12 21.53888	06 45 24.49	-23 15 21.5	15.5 V	423
(1025)	1996 12 21.57699	06 45 21.97	-23 15 17.7		423
(1025)	1996 12 21.61064	06 45 19.74	-23 15 14.7		423
(1025)	1997 01 13.59624	06 20 25.83	-19 52 29.6	15.5 V	423
(2204)	1996 12 15.52074	06 37 44.94	-23 25 54.8	13.9 V	423
(2204)	1996 12 15.56198	06 37 44.00	-23 25 49.0		423
(2204)	1996 12 18.52244	06 36 44.31	-23 14 58.3	13.9 V	423
(2204)	1996 12 18.52861	06 36 44.15	-23 14 56.5		423
(2204)	1996 12 18.56112	06 36 43.33	-23 14 47.4		423
(2204)	1996 12 18.56939	06 36 43.08	-23 14 45.0		423
(2204)	1996 12 18.57839	06 36 42.86	-23 14 42.4		423
(2204)	1997 01 06.63064	06 28 39.98	-19 12 29.3	14.5 V	423
(2204)	1997 01 06.63523	06 28 39.87	-19 12 24.3		423
(2204)	1997 01 07.60793	06 28 18.43	-18 52 24.9	14.1 V	423
(2204)	1997 01 07.61300	06 28 18.31	-18 52 18.7		423
(2204)	1997 01 07.61771	06 28 18.20	-18 52 12.9		423
(2204)	1997 01 07.62852	06 28 17.93	-18 51 59.3		423

424 Macquarie, near Canberra

J. B. Child, 7 DeGillern Place, Macquarie, ACT 2614, Australia

[jbchild@pcug.org.au]

Observer J. B. Child

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

0.32-m $f/4.8$ reflector + CCD

1996 TE ₁₁	1996 12 20.44271	04 20 21.02	-41 44 30.3	17.2 V	424
1996 TE ₁₁	1996 12 20.45938	04 20 21.60	-41 44 20.5	17.2 V	424
1996 TE ₁₁	1997 01 04.49201	04 33 02.81	-37 45 34.1	17.7 V	424
1996 TE ₁₁	1997 01 04.50035	04 33 03.28	-37 45 23.3	17.6 V	424
1996 TE ₁₁	1997 01 04.50590	04 33 03.60	-37 45 16.8	17.4 V	424
1996 XX ₁₄	1996 12 20.48715	05 01 16.22	-28 22 36.6	18.0 V	424
1996 XX ₁₄	1997 01 04.53819	05 24 59.25	-14 21 35.5	19.0 V	424
1996 XX ₁₄	1997 01 04.54306	05 24 59.51	-14 21 22.9	19.3 V	424
1996 XX ₁₄	1997 01 04.54861	05 24 59.82	-14 21 08.9	19.2 V	424
1996 XX ₁₄	1997 01 04.55347	05 25 00.22	-14 20 56.7	18.8 V	424

476 Grange Observatory

P. Pognant, Via Massimo d'Azeglio 34, I-10053 Bussoleno (TO), Italy

[mc2213@mcclink.it]

0.30-m $f/4.0$ reflector + CCD

GSC

(3089)	1996 12 15.92361	05 51 55.03	+22 45 50.3		476
(3089)	1996 12 15.95069	05 51 53.54	+22 45 55.3		476

482 St. Andrews

F. Vincent, University Observatory, Buchanan Gardens, St. Andrews, Fife
KY16 9LZ, Scotland [fv@st-andrews.ac.uk]

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

1996 XM ₂₆	1996 12 05.92373	04 48 18.72	+24 22 22.3	482
1996 XM ₂₆	1996 12 05.92501	04 48 18.60	+24 22 20.8	482
1996 XM ₂₆	1996 12 05.92558	04 48 18.63	+24 22 20.3	482
1996 XM ₂₆	1996 12 05.92616	04 48 18.51	+24 22 20.5	482
1996 XM ₂₆	1996 12 05.92674	04 48 18.56	+24 22 19.3	482
1996 XM ₂₆	1996 12 05.93184	04 48 18.22	+24 22 15.9	482
1996 XM ₂₆	1996 12 05.93404	04 48 18.05	+24 22 14.6	482
1996 XM ₂₆	1996 12 05.93514	04 48 17.98	+24 22 13.6	482
1996 XM ₂₆	1996 12 05.93624	04 48 17.94	+24 22 13.0	482
1996 XM ₂₆	1996 12 05.93734	04 48 17.82	+24 22 12.5	482
(3908)	1996 10 25.78039	23 39 53.93	+30 21 43.0	482
(3908)	1996 10 25.78097	23 39 54.37	+30 21 45.3	482
(3908)	1996 10 25.78236	23 39 55.37	+30 21 51.2	482
(3908)	1996 10 31.93960	01 06 24.34	+35 08 46.7	482
(3908)	1996 10 31.94139	01 06 25.72	+35 08 49.6	482
(3908)	1996 11 02.89781	01 34 08.42	+35 41 04.3	482
(3908)	1996 11 02.89972	01 34 09.88	+35 41 05.7	482
(3908)	1996 11 02.90053	01 34 10.59	+35 41 06.4	482
(3908)	1996 11 07.93759	02 37 03.44	+35 10 59.9	482
(3908)	1996 11 07.93869	02 37 04.12	+35 10 58.2	482
(3908)	1996 11 08.89004	02 47 10.65	+34 52 10.2	482
(3908)	1996 11 08.89062	02 47 10.99	+34 52 09.7	482
(3908)	1996 11 08.89114	02 47 11.29	+34 52 09.1	482
(3908)	1996 11 09.75764	02 55 52.70	+34 32 22.9	482
(3908)	1996 11 09.75805	02 55 52.92	+34 32 22.4	482
(3908)	1996 11 12.78531	03 22 19.31	+33 13 39.4	482
(3908)	1996 11 12.78629	03 22 19.77	+33 13 38.0	482
(3908)	1996 11 12.78774	03 22 20.44	+33 13 35.9	482
(3908)	1996 11 20.72842	04 08 57.49	+29 30 38.2	482
(3908)	1996 11 20.72917	04 08 57.64	+29 30 36.6	482
(3908)	1996 11 20.72975	04 08 57.81	+29 30 37.0	482
(3908)	1996 11 23.85626	04 20 52.42	+28 12 31.9	482
(3908)	1996 11 23.85776	04 20 52.75	+28 12 29.8	482
(3908)	1996 11 23.85834	04 20 52.87	+28 12 29.2	482
(3908)	1996 12 05.92501	04 48 17.63	+24 24 51.0	482
(3908)	1996 12 05.93184	04 48 18.15	+24 24 45.4	482
(3908)	1996 12 05.93404	04 48 18.32	+24 24 43.4	482
(3908)	1996 12 06.82016	04 49 36.11	+24 12 09.7	482
(3908)	1996 12 06.82473	04 49 36.47	+24 12 06.4	482
(3908)	1996 12 06.82873	04 49 36.79	+24 12 03.5	482
(3908)	1996 12 12.82525	04 56 51.29	+23 00 17.9	482
(3908)	1996 12 12.83138	04 56 51.64	+23 00 14.2	482
(3908)	1996 12 12.84719	04 56 52.59	+23 00 05.2	482
(3908)	1996 12 13.79800	04 57 51.54	+22 50 31.7	482
(3908)	1996 12 13.80205	04 57 51.73	+22 50 29.5	482
(3908)	1996 12 13.80610	04 57 51.94	+22 50 27.3	482
(3908)	1996 12 14.99979	04 59 01.31	+22 39 13.6	482
(3908)	1996 12 15.00182	04 59 01.40	+22 39 12.6	482

(3908)	1996 12 15.00384	04 59 01.50	+22 39 11.4	482
(3908)	1996 12 16.91843	05 00 50.81	+22 22 29.1	482
(3908)	1996 12 16.92045	05 00 50.96	+22 22 28.2	482
(3908)	1996 12 23.85350	05 06 49.95	+21 35 04.2	482
(3908)	1996 12 23.85453	05 06 49.95	+21 35 03.9	482
(3908)	1996 12 23.85927	05 06 50.23	+21 35 02.2	482
(3908)	1996 12 27.87052	05 10 07.17	+21 15 30.1	482
(3908)	1996 12 27.88706	05 10 07.89	+21 15 26.2	482
(3908)	1996 12 28.86339	05 10 55.74	+21 11 24.2	482
(3908)	1996 12 28.88681	05 10 56.76	+21 11 19.0	482

491 Yebes

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Spain [lahulla@cay.es]

Observers J. F. Lahulla, J. García

0.40-m $f/5$ astrograph + CCD

GSC

(225)	1996 12 02.97370	04 44 17.52	−00 31 31.2	491
(225)	1996 12 02.98624	04 44 16.94	−00 31 33.4	491
(892)	1996 12 02.82625	01 51 13.96	−08 38 42.2	491
(892)	1996 12 02.94103	01 51 12.11	−08 38 45.9	491
(1302)	1996 12 02.86404	02 11 19.01	+10 26 51.0	491
(1302)	1996 12 02.92678	02 11 17.27	+10 26 48.0	491
(1691)	1996 12 02.83969	01 53 23.57	+10 22 52.7	491
(1691)	1996 12 02.89850	01 53 22.63	+10 22 48.8	491
(2052)	1996 12 02.84800	01 58 16.86	+09 34 45.7	491
(2052)	1996 12 02.85313	01 58 16.73	+09 34 44.9	491
(2052)	1996 12 02.91061	01 58 15.57	+09 34 28.8	491
(2347)	1996 12 02.87058	01 51 57.98	+30 25 35.3	491
(2347)	1996 12 02.93402	01 51 57.15	+30 25 01.2	491
(3908)	1996 12 02.96525	04 43 28.42	+25 10 37.0	491
(3908)	1996 12 02.97921	04 43 29.70	+25 10 24.2	491
(3908)	1996 12 02.99192	04 43 30.78	+25 10 11.0	491

494 Stakenbridge

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

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

0.26-m $f/7.3$ reflector + CCD

PPM

1989 UA ₃	1997 01 13.91738	06 41 22.35	+18 35 16.1	494
1989 UA ₃	1997 01 13.92907	06 41 21.63	+18 35 18.0	494
1989 UA ₃	1997 01 13.94317	06 41 20.79	+18 35 19.7	494
1989 UA ₃	1997 01 14.92253	06 40 22.04	+18 37 18.7	494

511 Haute Provence

E. W. Elst, Royal Observatory, B-1180 Brussels, Belgium [elst@atmos.oma.be]

0.6-m Schmidt

1993 DV	1993 02 20.95556	10 26 05.65	+05 15 25.1	511
1993 DV	1993 02 20.97708	10 26 04.41	+05 15 27.7	511
1993 DV	1993 02 21.00486	10 26 02.61	+05 15 43.9	511

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

1990 VL ₈	1997 01 12.77179	04 05 07.54	+18 50 00.6	17.9 R	r	540
1990 VL ₈	1997 01 12.78027	04 05 07.30	+18 50 01.0		r	540
1990 VL ₈	1997 01 12.82541	04 05 06.92	+18 50 03.7		r	540
1991 GC ₁₀	1996 12 27.72412	02 14 57.03	+15 27 29.5	17.9 R		540
1991 GC ₁₀	1996 12 27.73269	02 14 57.12	+15 27 32.6			540
1991 GC ₁₀	1996 12 27.74079	02 14 57.24	+15 27 32.8			540
1993 WD	1996 12 09.73698	23 25 08.37	+14 27 31.1	16.9 R	F	540
1993 WD	1996 12 09.73903	23 25 07.71	+14 27 39.3		F	540
1993 WD	1996 12 09.74116	23 25 07.13	+14 27 47.8		F	540
1993 WD	1996 12 10.91180	23 19 30.14	+15 43 16.4	16.6 R		540
1993 WD	1996 12 28.77761	22 28 32.71	+27 19 15.3	17.5 R		540
1993 XN ₂	1996 12 29.72701	01 02 12.59	+25 28 15.8	17.0 R		540
1993 XN ₂	1996 12 29.73096	01 02 13.33	+25 28 28.3			540
1993 XN ₂	1996 12 29.74144	01 02 15.32	+25 29 04.3		I	540
1993 XN ₂	1996 12 29.74894	01 02 16.79	+25 29 29.8			540
(2129)	1996 12 29.75735	08 02 32.48	+28 15 44.6	17.0 R		540
(2129)	1996 12 29.76103	08 02 32.30	+28 15 46.6		I	540
(2129)	1996 12 29.76396	08 02 32.01	+28 15 48.3			540
(2129)	1996 12 29.76942	08 02 31.74	+28 15 49.2			540
(2129)	1997 01 12.79975	07 45 27.72	+29 34 37.1	17.0 R		540
(2129)	1997 01 12.80786	07 45 27.06	+29 34 39.7			540
(3908)	1996 12 27.76616	05 10 02.45	+21 15 56.0	15.7 R		540
(3908)	1996 12 27.77155	05 10 02.70	+21 15 54.8			540
(3908)	1996 12 27.77676	05 10 02.95	+21 15 53.7			540
(4846)	1997 01 12.79975	07 45 13.71	+29 29 30.4	17.0 R		540
(4846)	1997 01 12.80786	07 45 13.24	+29 29 31.6			540

549 Uppsala

L. Kamél, Uppsala Astronomical Observatory, Box 515, S-751 24 Uppsala
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Observers L. Kamél, K. Lundgren
Measurer L. Kamél

0.41-m $f/9$ reflector + CCD
DSS

(1638)	1996 12 16.86934	05 50 56.91	+23 02 54.1			549
(1638)	1996 12 16.89120	05 50 55.62	+23 02 53.7			549
(3089)	1996 12 16.78282	05 51 06.30	+22 48 28.4			549
(3089)	1996 12 16.81625	05 51 04.35	+22 48 34.1			549
(3089)	1996 12 16.84795	05 51 02.49	+22 48 40.3			549

552 San Vittore

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Observers C. Vacchi, G. Sassi, E. Colombini, R. Di Luca
0.45-m $f/3.3$ reflector + CCD

GSC						
1995 OE	1996 12 04.81907	00 23 22.05	+11 34 29.0	18.0 V		552
1995 OE	1996 12 04.88705	00 23 22.96	+11 34 17.8			552
1995 OE	1997 01 12.79542	00 46 39.92	+11 32 06.6	18.0 V		552
1995 OE	1997 01 12.80497	00 46 40.47	+11 32 07.5			552

1995 OE	1997 01 12.81414	00 46 40.91	+11 32 09.3			552
1996 XA ₉	1996 12 04.91083	05 14 32.24	+19 27 53.1	18.3 V		552
1996 XA ₉	1996 12 04.92534	05 14 31.38	+19 27 51.6			552
1996 XA ₉	1997 01 12.84120	04 44 35.25	+19 08 21.0	18.0 V		552
1996 XA ₉	1997 01 12.84453	04 44 35.19	+19 08 21.5			552
1996 XA ₉	1997 01 12.85742	04 44 34.81	+19 08 22.2			552
1996 XA ₉	1997 01 13.84118	04 44 12.52	+19 08 46.2	18.0 V		552
1996 XA ₉	1997 01 13.86221	04 44 12.06	+19 08 46.7			552
1996 XA ₉	1997 01 13.86885	04 44 11.89	+19 08 46.8			552
1996 XV ₃₃	* 1996 12 02.82204	00 23 18.50	+11 09 19.7	18.5 V		552
1996 XV ₃₃	1996 12 02.82940	00 23 18.51	+11 09 20.8			552
1996 XV ₃₃	1996 12 02.85888	00 23 18.89	+11 09 22.8			552
1996 XV ₃₃	1996 12 02.87147	00 23 19.03	+11 09 24.5			552
1996 XV ₃₃	1996 12 04.84054	00 23 45.32	+11 12 34.5	18.2 V		552
1996 XV ₃₃	1996 12 04.87487	00 23 45.75	+11 12 38.3			552
1997 AC ₆	1997 01 12.96418	07 01 27.53	+25 37 17.3	18.1 V		552
1997 AC ₆	1997 01 12.97742	07 01 26.80	+25 37 19.6			552
1997 AC ₆	1997 01 13.93725	07 00 32.45	+25 39 08.1	18.2 V		552
1997 AC ₆	1997 01 13.95134	07 00 31.57	+25 39 09.1			552
1997 AG ₁₈	* 1997 01 12.89154	05 46 33.02	+17 19 45.1	19.3 V		552
1997 AG ₁₈	1997 01 12.92000	05 46 31.76	+17 19 43.0			552
1997 AG ₁₈	1997 01 13.90032	05 45 50.37	+17 18 16.6	18.6 V		552
1997 AG ₁₈	1997 01 13.91718	05 45 49.61	+17 18 14.3			552
(6344)	1996 12 02.80949	00 11 27.19	-00 38 58.7	17.6 V		552
(6344)	1996 12 02.84470	00 11 28.22	-00 38 52.9			552
(6344)	1996 12 02.89162	00 11 29.58	-00 38 45.7			552
(6344)	1996 12 04.82950	00 12 30.35	-00 33 22.3	18.2 V		552
(6344)	1996 12 04.85998	00 12 31.29	-00 33 17.0			552

557 Ondřejov

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Observers P. Pravec, L. Šarounová, M. Wolf
0.65-m $f/3.6$ reflector + CCD
GSC

1994 PC	1996 12 28.85005	05 18 25.49	+03 06 56.6	16.2 V		557
1994 PC	1996 12 28.87545	05 18 24.82	+03 07 57.6	16.2 V		557
1994 PC	1996 12 28.90069	05 18 24.15	+03 08 58.3	16.4 V		557
1994 PC	1996 12 29.05715	05 18 20.15	+03 15 13.5	16.3 V		557
1994 PC	1996 12 29.06345	05 18 20.01	+03 15 28.4			557
1994 PC	1997 01 13.83008	05 19 00.18	+12 17 24.1			557
1994 PC	1997 01 13.90448	05 19 01.55	+12 19 31.8			557
1994 PC	1997 01 13.95738	05 19 02.58	+12 21 02.5			557
1994 PC	1997 01 14.01659	05 19 03.80	+12 22 43.2			557
1994 PC	1997 01 15.70081	05 19 50.74	+13 09 50.2	17.3 V		557
1994 PC	1997 01 15.76624	05 19 52.40	+13 11 38.8	17.2 V		557
1994 PC	1997 01 15.87731	05 19 55.09	+13 14 41.1	17.1 V		557
1994 PC	1997 01 15.88032	05 19 55.16	+13 14 46.1	17.2 V		557
1994 PC	1997 01 15.98241	05 19 57.70	+13 17 32.0	17.2 V		557
1994 PC	1997 01 16.02337	05 19 58.79	+13 18 38.4	17.3 V		557
1994 PC	1997 01 16.71813	05 20 21.71	+13 37 21.5	17.2 V		557
1994 PC	1997 01 16.75833	05 20 22.84	+13 38 26.1	17.3 V		557
1994 PC	1997 01 16.80843	05 20 24.21	+13 39 47.0	17.4 V		557

1994 PC	1997 01 16.95531	05 20 28.19	+13 43 40.8	17.5 V	557	1996 YU ₂	1997 01 15.74042	05 08 13.17	+03 58 02.8	557
1994 PC	1997 01 17.01508	05 20 29.91	+13 45 15.2	17.7 V	557	1996 YU ₂	1997 01 15.74392	05 08 13.07	+03 58 03.5	557
1995 DY ₁₃	* 1995 02 24.06525	13 14 06.23	+03 03 22.0		557	1996 YU ₂	1997 01 15.74718	05 08 13.01	+03 58 04.4	557
1995 DY ₁₃	1995 02 24.09328	13 14 05.54	+03 03 31.7	17.4 V	557	1997 AC ₁₁	1997 01 14.08295	10 25 13.97	+17 25 50.2	557
1995 DY ₁₃	1995 02 24.09860	13 14 05.41	+03 03 33.3		557	1997 AC ₁₁	1997 01 14.08400	10 25 14.14	+17 26 02.7	557
1995 HC	1996 12 28.69377	00 45 44.94	+03 01 06.7		557	1997 AC ₁₁	1997 01 14.08785	10 25 14.77	+17 26 48.0	17.9 V 557
1995 HC	1996 12 28.69691	00 45 45.16	+03 01 08.0		557	1997 AC ₁₁	1997 01 14.08966	10 25 15.05	+17 27 09.3	557
1995 HC	1996 12 28.69980	00 45 45.29	+03 01 09.4		557	1997 AC ₁₁	1997 01 14.17164	10 25 28.62	+17 43 19.7	557
1995 OE ₁	1996 12 27.95694	05 29 26.43	+19 42 46.7		557	1997 AC ₁₁	1997 01 14.17409	10 25 29.02	+17 43 48.4	17.8 V 557
1995 OE ₁	1996 12 27.96020	05 29 26.26	+19 42 47.6		557	1997 AC ₁₁	1997 01 14.17602	10 25 29.36	+17 44 11.7	557
1995 OE ₁	1996 12 27.96344	05 29 26.08	+19 42 48.4		557	1997 AB ₁₅	1997 01 13.84229	07 34 11.29	+21 47 13.2	557
1995 OF ₁	1997 01 14.14588	09 44 42.13	+15 31 55.6		557	1997 AB ₁₅	1997 01 13.84446	07 34 11.04	+21 47 18.7	18.3 V 557
1995 OF ₁	1997 01 14.14825	09 44 42.04	+15 31 55.8	19.1 V	557	1997 AB ₁₅	1997 01 13.84706	07 34 10.75	+21 47 25.7	557
1995 OF ₁	1997 01 14.15274	09 44 41.86	+15 31 56.7		557	1997 AD ₁₈	* 1997 01 13.83985	07 34 04.87	+21 43 48.0	557
1995 PG	1997 01 14.20897	09 09 34.50	+29 29 49.3		557	1997 AD ₁₈	1997 01 13.84229	07 34 04.76	+21 43 48.7	18.6 V 557
1995 PG	1997 01 14.21339	09 09 34.21	+29 29 48.7		557	1997 AD ₁₈	1997 01 13.84446	07 34 04.65	+21 43 49.1	557
1995 PG	1997 01 14.21557	09 09 34.06	+29 29 48.6		557	1997 AD ₁₈	1997 01 13.84706	07 34 04.51	+21 43 49.4	557
1995 SH	1996 11 21.05706	06 45 38.56	+04 06 26.7		557	1997 AD ₁₈	1997 01 15.81902	07 32 27.83	+21 48 20.1	557
1995 SH	1996 11 21.06767	06 45 38.33	+04 06 22.7		557	1997 AD ₁₈	1997 01 15.82488	07 32 27.57	+21 48 20.7	557
1995 SH	1996 12 27.97515	06 18 32.28	+02 07 42.6		557	1997 AD ₁₈	1997 01 15.82780	07 32 27.43	+21 48 21.0	557
1995 SH	1996 12 28.03227	06 18 29.06	+02 07 43.2		557	1997 AD ₁₈	1997 01 16.82569	07 31 38.73	+21 50 35.1	19.3 V 557
1995 SH	1996 12 28.04196	06 18 28.51	+02 07 43.1		557	1997 AD ₁₈	1997 01 16.82882	07 31 38.54	+21 50 36.0	557
1995 SL	1996 11 21.09622	10 36 49.64	+08 44 03.8		557	1997 AD ₁₈	1997 01 16.83188	07 31 38.40	+21 50 35.8	19.2 V 557
1995 SL	1996 11 21.09943	10 36 49.75	+08 44 02.8		557	1997 AE ₁₈	* 1997 01 14.00586	08 38 40.34	+19 23 12.4	17.8 V 557
1995 SL	1996 11 21.10237	10 36 49.88	+08 44 01.6		557	1997 AE ₁₈	1997 01 14.04544	08 38 37.65	+19 23 15.5	557
1995 SL	1997 01 14.20192	11 02 19.32	+04 04 30.1		557	1997 AE ₁₈	1997 01 14.09928	08 38 33.96	+19 23 20.2	557
1995 SL	1997 01 14.20477	11 02 19.28	+04 04 29.7	18.1 V	557	1997 AE ₁₈	1997 01 14.16866	08 38 29.33	+19 23 25.7	557
1995 SL	1997 01 14.22045	11 02 19.06	+04 04 28.4		557	1997 AE ₁₈	1997 01 14.18588	08 38 28.14	+19 23 27.8	557
1995 UX	1997 01 16.19620	10 26 39.01	+07 52 03.2		557	1997 AE ₁₈	1997 01 15.91459	08 36 32.20	+19 25 58.1	557
1995 UX	1997 01 16.19933	10 26 38.91	+07 52 04.6	19.2 V	557	1997 AE ₁₈	1997 01 15.92134	08 36 31.73	+19 25 58.6	557
1995 UX	1997 01 16.20230	10 26 38.80	+07 52 05.2		557	1997 AE ₁₈	1997 01 17.08764	08 35 11.43	+19 27 40.4	17.8 V 557
1995 UX	1997 01 16.20523	10 26 38.72	+07 52 05.6	19.3 V	557	1997 AE ₁₈	1997 01 17.09380	08 35 11.00	+19 27 41.0	17.8 V 557
1995 UX	1997 01 16.20812	10 26 38.68	+07 52 06.3		557	1997 AC ₂₁	* 1997 01 15.79163	06 09 37.09	+27 11 51.9	I 557
1995 UX	1997 01 17.19524	10 26 07.06	+07 55 08.6	19.0 V	557	1997 AC ₂₁	1997 01 15.79476	06 09 36.85	+27 11 52.4	I 557
1995 UX	1997 01 17.20829	10 26 06.71	+07 55 11.5	19.3 V	557	1997 AC ₂₁	1997 01 15.83248	06 09 34.72	+27 11 54.2	557
1996 TC ₁₅	1997 01 14.06034	08 09 42.73	+28 15 13.7		557	1997 AC ₂₁	1997 01 15.83560	06 09 34.50	+27 11 52.9	557
1996 TC ₁₅	1997 01 14.06238	08 09 42.61	+28 15 14.5		557	1997 AC ₂₁	1997 01 15.83863	06 09 34.35	+27 11 54.4	557
1996 TC ₁₅	1997 01 14.06456	08 09 42.47	+28 15 15.2		557	1997 AC ₂₁	1997 01 16.72700	06 08 45.62	+27 12 38.9	557
1996 XO ₃₀	1996 12 14.97264	08 53 09.80	+14 26 49.3		557	1997 AC ₂₁	1997 01 16.73479	06 08 45.20	+27 12 39.4	18.6 V 557
1996 XO ₃₀	1996 12 15.07156	08 53 08.02	+14 27 02.3	17.8 V	557	1997 AD ₂₁	* 1997 01 15.79476	06 09 24.77	+27 12 46.0	557
1996 XO ₃₀	1996 12 15.12443	08 53 07.05	+14 27 09.4		557	1997 AD ₂₁	1997 01 15.81299	06 09 23.85	+27 12 46.1	557
1996 XO ₃₀	1996 12 15.17481	08 53 06.12	+14 27 15.6		557	1997 AD ₂₁	1997 01 15.83863	06 09 22.53	+27 12 48.1	557
1996 YU ₂	* 1996 12 28.84409	05 18 09.49	+03 08 27.7		557	1997 AD ₂₁	1997 01 16.72700	06 08 38.93	+27 13 14.6	557
1996 YU ₂	1996 12 28.85791	05 18 08.89	+03 08 29.0	17.4 V	557	1997 AD ₂₁	1997 01 16.73479	06 08 38.54	+27 13 15.5	18.7 V 557
1996 YU ₂	1996 12 28.88499	05 18 07.66	+03 08 31.4		557	(3199)	1996 12 22.13752	12 36 55.24	+42 14 41.5	557
1996 YU ₂	1996 12 28.90069	05 18 07.00	+03 08 32.6		557	(3199)	1996 12 22.18470	12 36 54.74	+42 14 27.3	557
1996 YU ₂	1996 12 30.97947	05 16 39.03	+03 11 47.5		557	(3199)	1996 12 22.20829	12 36 54.49	+42 14 20.0	557
1996 YU ₂	1996 12 30.98248	05 16 38.89	+03 11 47.8	17.3 V	557	(3908)	1996 12 30.73352	05 12 28.42	+21 04 24.1	557
1996 YU ₂	1996 12 30.98527	05 16 38.80	+03 11 48.4		557	(3908)	1996 12 30.82836	05 12 32.58	+21 04 06.7	557
1996 YU ₂	1997 01 02.89596	05 14 43.06	+03 17 35.0	S	557	(3908)	1996 12 30.92623	05 12 36.68	+21 03 46.7	557
1996 YU ₂	1997 01 02.90058	05 14 42.91	+03 17 34.8	S	557	(3908)	1996 12 31.06067	05 12 42.49	+21 03 16.5	557
1996 YU ₂	1997 01 02.90313	05 14 42.73	+03 17 34.9	S	557	(4957)	1996 12 28.90876	05 57 52.06	-09 12 51.4	557

(4957)	1996 12 28.94097	05 57 47.87	-09 13 40.7		557
(4957)	1996 12 28.98382	05 57 42.32	-09 14 46.4		557
(4957)	1996 12 29.03441	05 57 35.78	-09 16 03.2		557
(5407)	1996 12 15.02916	08 53 23.64	+14 30 04.6		557
(5407)	1996 12 15.09543	08 53 23.88	+14 30 24.9		557
(5407)	1996 12 15.17481	08 53 24.16	+14 30 49.1		557
(5407)	1996 12 30.93672	08 49 57.43	+16 30 42.6		557
(5407)	1996 12 30.99075	08 49 55.53	+16 31 15.8		557
(5407)	1996 12 31.05345	08 49 53.30	+16 31 54.3		557
(5407)	1997 01 13.89388	08 38 16.85	+19 22 35.3		557
(5407)	1997 01 14.01117	08 38 08.72	+19 24 15.7		557
(5407)	1997 01 14.09928	08 38 02.59	+19 25 30.7		557
(5407)	1997 01 14.18588	08 37 56.61	+19 26 43.6		557
(5407)	1997 01 15.89307	08 35 59.82	+19 51 21.9	15.8 V	557
(5407)	1997 01 15.96697	08 35 54.42	+19 52 27.0	15.3 R	557
(5407)	1997 01 16.07108	08 35 46.75	+19 53 58.1	15.8 V	557
(5407)	1997 01 16.11542	08 35 43.51	+19 54 36.5	15.3 R	557
(5407)	1997 01 16.18498	08 35 38.46	+19 55 36.8	15.8 V	557
(5407)	1997 01 16.84389	08 34 52.05	+20 05 18.4	15.7 V	557
(5407)	1997 01 16.90176	08 34 47.74	+20 06 10.1	15.8 V	557
(5407)	1997 01 16.97360	08 34 42.34	+20 07 14.3	15.8 V	557
(5407)	1997 01 17.04949	08 34 36.60	+20 08 21.4	15.8 V	557
(5407)	1997 01 17.11850	08 34 31.42	+20 09 22.2	15.8 V	557
(5407)	1997 01 17.18090	08 34 26.77	+20 10 16.7	15.7 V	557

560 Madonna di Dossobuono

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0.40-m $f/3.5$ reflector + CCD

GSC

1996 WC ₂	1996 12 26.75588	03 04 20.33	+16 23 49.2	17.8 V	560
1996 WC ₂	1996 12 26.76598	03 04 20.23	+16 23 51.4		560
1996 WC ₂	1996 12 26.77513	03 04 19.99	+16 23 53.1		560
1996 WC ₂	1996 12 27.79767	03 04 03.00	+16 26 23.7	17.8 V	560
1996 WC ₂	1996 12 27.81327	03 04 02.71	+16 26 27.1		560
1996 WC ₂	1996 12 27.82271	03 04 02.47	+16 26 28.0		560
1996 WC ₂	1997 01 11.76197	03 03 41.79	+17 14 39.2	18.0 V	560
1996 WC ₂	1997 01 11.77152	03 03 41.88	+17 14 44.3		560
1996 WC ₂	1997 01 11.78133	03 03 41.96	+17 14 45.9		560
1996 WC ₂	1997 01 12.75051	03 03 55.17	+17 18 34.9	18.0 V	560
1996 WC ₂	1997 01 12.77077	03 03 55.44	+17 18 39.7		560
1996 WC ₂	1997 01 12.79043	03 03 55.72	+17 18 44.7		560

563 Seewalchen

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

0.25-m $f/6$ reflector + CCD

GSC

1988 VP	1996 12 03.78209	02 22 40.81	+12 43 41.6	15.4 R	563
1988 VP	1996 12 03.78449	02 22 40.72	+12 43 42.6	15.5 R	563
1988 VP	1996 12 03.79223	02 22 40.33	+12 43 45.2	15.4 R	563
1988 VP	1996 12 03.79491	02 22 40.21	+12 43 46.9	15.4 R	563
1988 VE ₇	1996 12 03.82693	04 42 04.70	+09 50 00.1	15.1 R	563

1988 VE ₇	1996 12 03.83520	04 42 04.23	+09 49 59.8	15.0 R	563
1988 VE ₇	1996 12 03.84078	04 42 03.98	+09 49 59.5	15.2 R	563
1988 VE ₇	1996 12 03.84911	04 42 03.58	+09 49 58.1	14.9 R	563
1163 T-1	1996 12 04.84689	04 31 32.44	+21 50 45.6	16.1 R	563
1163 T-1	1996 12 04.85878	04 31 31.74	+21 50 45.0	16.1 R	563
1163 T-1	1996 12 04.86782	04 31 31.12	+21 50 41.5	15.7 R	563
1163 T-1	1996 12 04.88868	04 31 29.58	+21 50 38.9	15.9 R	563
(7295)	1996 12 04.77544	02 49 11.74	+09 47 13.7	16.3 R	563
(7295)	1996 12 04.77824	02 49 11.64	+09 47 13.5	16.3 R	563
(7295)	1996 12 04.78377	02 49 11.48	+09 47 12.6	16.4 R	563
(7295)	1996 12 04.78932	02 49 11.26	+09 47 12.2	16.0 R	563

566 Haleakala-NEAT/GEODSS

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

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

1-m $f/2.2$ Ritchey-Chrétien + CCD

1978 OB	1997 01 14.39049	07 57 06.59	+20 54 55.6	19.1 V	566
1978 OB	1997 01 14.40099	07 57 05.88	+20 54 58.7	19.0 V	566
1978 OB	1997 01 14.40953	07 57 05.22	+20 55 01.6	19.0 V	566
1978 PV ₃	1997 01 15.37585	08 05 35.81	+18 14 34.0	18.3 V	566
1978 PV ₃	1997 01 15.38424	08 05 35.24	+18 14 34.9	18.4 V	566
1978 PV ₃	1997 01 15.39264	08 05 34.65	+18 14 36.0	18.3 V	566
1981 DO ₃	1997 01 14.38848	07 54 58.36	+19 48 48.9	19.6 V	566
1981 DO ₃	1997 01 14.39898	07 54 57.79	+19 48 49.3	20.1 V	566
1981 DO ₃	1997 01 14.40742	07 54 57.36	+19 48 49.9	19.9 V	566
1981 EW ₉	1997 01 10.43175	08 06 04.20	+23 34 28.8	19.7 V	566
1981 EW ₉	1997 01 10.44034	08 06 03.62	+23 34 29.7	19.5 V	566
1981 EW ₉	1997 01 10.44876	08 06 03.04	+23 34 31.6	19.6 V	566
1981 EW ₉	1997 01 14.41348	08 01 21.08	+23 42 30.7	19.3 V	566
1981 EW ₉	1997 01 14.42190	08 01 20.61	+23 42 33.5	20.3 V	566
1981 EW ₉	1997 01 14.43033	08 01 19.95	+23 42 33.1	20.0 V	566
1981 EU ₂₀	1997 01 11.33648	07 29 52.33	+22 19 07.9	18.9 V	566
1981 EU ₂₀	1997 01 11.34487	07 29 51.81	+22 19 09.3	18.9 V	566
1981 EU ₂₀	1997 01 11.35335	07 29 51.34	+22 19 10.2	19.7 V	566
1983 RF ₂	1997 01 14.27740	02 50 46.89	+14 51 07.7	19.3 V	566
1983 RF ₂	1997 01 14.28584	02 50 47.42	+14 51 11.3	19.2 V	566
1983 RF ₂	1997 01 14.29639	02 50 47.84	+14 51 16.5	19.9 V	566
1984 BC	1997 01 12.45778	10 19 50.78	+12 06 23.1	18.9 V	566
1984 BC	1997 01 12.46627	10 19 51.16	+12 06 32.7	18.9 V	566
1984 BC	1997 01 12.47469	10 19 51.55	+12 06 42.2	18.7 V	566
1984 BC	1997 01 15.60979	10 22 25.22	+13 07 41.3	18.6 V	566
1984 BC	1997 01 15.61822	10 22 25.59	+13 07 51.5	18.5 V	566
1984 BC	1997 01 15.62900	10 22 26.09	+13 08 04.8	18.7 V	566
1986 VB ₁	1997 01 13.27983	02 55 59.29	+17 31 43.0	19.6 V	566
1986 VB ₁	1997 01 13.28826	02 55 59.67	+17 31 43.0	19.2 V	566
1986 VB ₁	1997 01 13.29662	02 56 00.11	+17 31 42.4	19.4 V	566
1988 RE ₆	1997 01 12.50669	09 12 14.62	+18 41 15.2	17.6 V	566
1988 RE ₆	1997 01 12.51506	09 12 14.16	+18 41 17.7	17.5 V	566
1988 RE ₆	1997 01 12.52348	09 12 13.69	+18 41 20.1	17.6 V	566
1988 RA ₁₁	1997 01 14.41549	08 02 35.00	+20 08 37.8	18.8 V	566

1988 RA ₁₁	1997 01 14.42402	08 02 34.59	+20 08 39.2	19.3 V	566	1995 SN ₃	1997 01 15.64574	09 25 59.43	+18 36 38.7	18.7 V	566
1988 RA ₁₁	1997 01 14.43426	08 02 34.08	+20 08 41.4	19.7 V	566	1995 UL	1997 01 11.39266	08 20 51.71	+25 39 44.7	18.8 V	566
1988 SP	1997 01 15.62320	09 27 26.79	+17 23 40.1	17.5 V	566	1995 UL	1997 01 11.40103	08 20 51.21	+25 39 46.1	18.7 V	566
1988 SP	1997 01 15.63513	09 27 26.15	+17 23 43.7	17.6 V	566	1995 UL	1997 01 11.40965	08 20 50.71	+25 39 47.5	18.7 V	566
1988 SP	1997 01 15.64366	09 27 25.70	+17 23 46.1	17.4 V	566	1995 UL	1997 01 12.39887	08 19 53.62	+25 42 31.8	18.8 V	566
1988 SN ₁	1997 01 11.33448	07 23 29.80	+21 02 42.0	18.8 V	566	1995 UL	1997 01 12.40734	08 19 53.16	+25 42 33.3	18.8 V	566
1988 SN ₁	1997 01 11.34290	07 23 29.26	+21 02 45.2	19.0 V	566	1995 UL	1997 01 12.41575	08 19 52.65	+25 42 34.8	18.6 V	566
1988 SN ₁	1997 01 11.35128	07 23 28.67	+21 02 47.3	18.9 V	566	1996 TO ₅	1996 12 17.31977	23 34 28.39	-28 29 33.6	19.2 V	566
1989 SR ₁	1997 01 15.24983	02 40 40.95	+14 03 39.6	19.4 V	566	1996 TO ₅	1996 12 17.32822	23 34 30.24	-28 29 29.9	19.5 V	566
1989 SR ₁	1997 01 15.25825	02 40 41.26	+14 03 41.8	19.5 V	566	1996 TO ₅	1996 12 17.33710	23 34 32.08	-28 29 25.5	20.2 V	566
1989 SR ₁	1997 01 15.26699	02 40 41.48	+14 03 44.7	19.6 V	566	1996 TO ₅	1997 01 10.22320	01 04 23.23	-23 17 30.0	18.7 V	566
1990 QG	1997 01 12.40289	08 19 21.58	+24 09 38.3	18.3 V	566	1996 TO ₅	1997 01 10.23167	01 04 25.19	-23 17 20.1	19.0 V	566
1990 QG	1997 01 12.41135	08 19 21.05	+24 09 39.0	18.3 V	566	1996 TO ₅	1997 01 10.24016	01 04 27.02	-23 17 10.7	19.7 V	566
1990 QG	1997 01 12.41977	08 19 20.49	+24 09 40.2	18.3 V	566	1996 TE ₁₁	1997 01 10.34527	04 39 47.14	-35 30 13.1	17.3 V	566
1990 QG	1997 01 14.41753	08 17 13.17	+24 12 57.1	18.7 V	566	1996 TE ₁₁	1997 01 10.35396	04 39 47.74	-35 30 00.2	17.3 V	566
1990 QG	1997 01 14.42604	08 17 12.65	+24 12 58.1	18.8 V	566	1996 TE ₁₁	1997 01 10.36249	04 39 48.30	-35 29 47.2	17.3 V	566
1990 QG	1997 01 14.43844	08 17 11.81	+24 12 59.2	18.6 V	566	1996 TQ ₁₂	1996 12 17.32181	00 19 37.71	-13 02 33.1	18.7 V	566
1990 QG	1997 01 15.41373	08 16 09.42	+24 14 30.0	18.3 V	566	1996 TQ ₁₂	1996 12 17.33020	00 19 38.44	-13 02 31.7	18.5 V	566
1990 QG	1997 01 15.42220	08 16 08.86	+24 14 30.8	18.3 V	566	1996 TQ ₁₂	1996 12 17.33900	00 19 39.20	-13 02 30.3	18.7 V	566
1990 QG	1997 01 15.43285	08 16 08.13	+24 14 31.9	18.4 V	566	1996 TX ₆₄	1996 09 15.49725	00 00 36.88	+03 17 53.5	18.3 V	566
1991 PK ₁₅	1997 01 10.40642	07 21 43.51	+25 18 26.2	18.7 V	566	1996 TX ₆₄	1996 09 15.50582	00 00 36.34	+03 17 52.9	18.2 V	566
1991 PK ₁₅	1997 01 10.41503	07 21 42.95	+25 18 27.0	18.3 V	566	1996 TX ₆₄	1996 09 15.51513	00 00 35.75	+03 17 52.1	18.2 V	566
1991 PK ₁₅	1997 01 10.42348	07 21 42.38	+25 18 27.5	18.5 V	566	1996 UF	1997 01 15.24983	02 40 36.06	+13 25 19.1	18.2 V	566
1991 VH	1997 01 10.54431	11 49 01.63	-03 31 02.6	17.8 V	566	1996 UF	1997 01 15.25825	02 40 36.53	+13 25 22.0	18.4 V	566
1991 VH	1997 01 10.55282	11 49 02.31	-03 30 56.1	17.9 V	566	1996 UF	1997 01 15.26699	02 40 36.97	+13 25 23.8	18.0 V	566
1991 VH	1997 01 10.56131	11 49 02.97	-03 30 49.7	18.0 V	566	1996 VJ ₂	1996 09 15.60984	02 11 21.98	+13 57 39.0	19.1 V	566
1991 VN	1997 01 12.48080	09 07 06.06	+15 03 10.8	19.8 V	566	1996 VJ ₂	1996 09 15.61824	02 11 21.77	+13 57 37.1	19.1 V	566
1991 VN	1997 01 12.49161	09 07 05.49	+15 03 13.6	19.6 V	566	1996 VJ ₂	1996 09 15.62664	02 11 21.55	+13 57 34.4	19.2 V	566
1991 VN	1997 01 12.50004	09 07 05.05	+15 03 15.4	19.9 V	566	1996 VJ ₂	1996 10 12.52778	01 52 22.61	+11 03 15.0	18.6 V	566
1992 EE ₁₁	1997 01 10.42978	08 07 59.97	+21 18 03.5	18.8 V	566	1996 VJ ₂	1996 10 12.53836	01 52 21.96	+11 03 09.6	18.7 V	566
1992 EE ₁₁	1997 01 10.43823	08 07 59.50	+21 18 05.0	18.9 V	566	1996 VJ ₂	1996 10 12.54681	01 52 21.47	+11 03 05.4	18.6 V	566
1992 EE ₁₁	1997 01 10.44663	08 07 59.07	+21 18 06.7	18.5 V	566	1996 VZ ₅	1996 12 17.57595	04 47 53.13	+27 17 20.3	16.5 V	566
1993 FW ₈	1997 01 11.35961	07 27 28.66	+25 22 24.9	18.6 V	566	1996 VZ ₅	1996 12 17.58560	04 47 52.18	+27 17 31.2	16.6 V	566
1993 FW ₈	1997 01 11.36803	07 27 28.18	+25 22 26.2	18.7 V	566	1996 VZ ₅	1996 12 17.59618	04 47 51.09	+27 17 43.1	16.5 V	566
1993 FW ₈	1997 01 11.37647	07 27 27.69	+25 22 27.6	18.5 V	566	1996 VT ₈	1997 01 15.26916	02 37 46.35	+15 44 26.7	18.5 V	566
1993 FS ₂₉	1997 01 14.39049	07 57 10.45	+20 03 07.1	19.2 V	566	1996 VT ₈	1997 01 15.27802	02 37 46.61	+15 44 30.5	18.6 V	566
1993 FS ₂₉	1997 01 14.40099	07 57 09.93	+20 03 08.9	20.2 V	566	1996 VT ₈	1997 01 15.28643	02 37 46.88	+15 44 34.0	18.6 V	566
1993 FS ₂₉	1997 01 14.40953	07 57 09.31	+20 03 08.8	19.5 V	566	1996 WS ₂	1997 01 15.24983	02 40 17.64	+13 47 30.3	19.6 V	566
1993 FK ₈₀	1997 01 15.24780	01 50 47.25	+12 51 34.4	18.6 V	566	1996 WS ₂	1997 01 15.25825	02 40 18.34	+13 47 33.5	19.4 V	566
1993 FK ₈₀	1997 01 15.25629	01 50 47.72	+12 51 37.5	18.8 V	566	1996 WS ₂	1997 01 15.26699	02 40 18.94	+13 47 36.7	19.4 V	566
1993 FK ₈₀	1997 01 15.26477	01 50 48.16	+12 51 40.5	18.6 V	566	1996 XC	1996 12 17.53022	04 49 26.20	+19 12 45.5	18.4 V	566
1993 LD ₁	1997 01 14.51724	09 16 17.67	+23 23 03.9	19.4 V	566	1996 XC	1996 12 17.53864	04 49 25.73	+19 12 45.6	18.7 V	566
1993 LD ₁	1997 01 14.52757	09 16 17.10	+23 23 05.3	20.1 V	566	1996 XC	1996 12 17.54704	04 49 25.19	+19 12 45.9	19.2 V	566
1993 LD ₁	1997 01 14.53600	09 16 16.68	+23 23 06.4	19.8 V	566	1996 XW ₁₁	1997 01 14.41348	07 55 56.77	+24 13 16.3	19.1 V	566
1993 XN ₂	1997 01 10.22537	01 39 32.11	+34 10 51.1	18.2 V	566	1996 XW ₁₁	1997 01 14.42190	07 55 56.25	+24 13 17.4	19.1 V	566
1993 XN ₂	1997 01 10.23392	01 39 33.71	+34 11 09.5	18.0 V	566	1996 XW ₁₁	1997 01 14.43033	07 55 55.80	+24 13 19.4	19.4 V	566
1993 XN ₂	1997 01 10.24241	01 39 35.31	+34 11 27.9	18.1 V	566	1996 XY ₁₁	1997 01 14.41348	07 56 53.32	+23 59 11.0	19.2 V	566
1994 PC	1997 01 12.34596	05 18 26.99	+11 34 11.3	17.2 V	566	1996 XY ₁₁	1997 01 14.42190	07 56 52.84	+23 59 12.8	19.2 V	566
1994 PC	1997 01 12.35439	05 18 27.09	+11 34 26.4	17.4 V	566	1996 XY ₁₁	1997 01 14.43033	07 56 52.32	+23 59 14.6	19.4 V	566
1994 PC	1997 01 12.36285	05 18 27.18	+11 34 41.4	17.4 V	566	1996 XE ₁₂	1997 01 10.43175	08 06 36.00	+23 58 01.4	19.2 V	566
1995 SN ₃	1997 01 15.62507	09 26 00.54	+18 36 34.7	19.2 V	566	1996 XE ₁₂	1997 01 10.44034	08 06 35.51	+23 58 03.3	19.0 V	566
1995 SN ₃	1997 01 15.63705	09 25 59.92	+18 36 37.2	18.9 V	566	1996 XE ₁₂	1997 01 10.44876	08 06 35.05	+23 58 04.8	19.1 V	566

1996 XJ ₁₂	1997 01 12.40289	08 18 35.22	+24 47 40.5	18.3 V	566	1997 AG ₆	1997 01 14.37399	07 30 36.69	+22 13 57.8	19.3 V	566
1996 XJ ₁₂	1997 01 12.41135	08 18 34.67	+24 47 43.2	18.1 V	566	1997 AG ₆	1997 01 14.38244	07 30 36.10	+22 13 57.4	18.9 V	566
1996 XJ ₁₂	1997 01 12.41977	08 18 34.12	+24 47 45.5	18.4 V	566	1997 AH ₆	1997 01 14.36554	07 31 46.26	+22 42 49.0	20.2 V	566
1996 XJ ₁₂	1997 01 14.41753	08 16 28.44	+24 57 44.0	18.3 V	566	1997 AH ₆	1997 01 14.37399	07 31 45.80	+22 42 51.0	19.6 V	566
1996 XJ ₁₂	1997 01 14.42604	08 16 27.92	+24 57 46.8	18.7 V	566	1997 AH ₆	1997 01 14.38244	07 31 45.26	+22 42 53.1	19.3 V	566
1996 XJ ₁₂	1997 01 14.43844	08 16 27.04	+24 57 50.5	18.2 V	566	1997 AQ ₆	1997 01 15.24379	01 58 47.79	+09 49 44.3	18.4 V	566
1996 XK ₁₂	1997 01 11.39266	08 18 03.98	+26 18 35.5	19.6 V	566	1997 AQ ₆	1997 01 15.25223	01 58 48.26	+09 49 54.7	18.4 V	566
1996 XK ₁₂	1997 01 11.40103	08 18 03.54	+26 18 39.8	18.9 V	566	1997 AQ ₆	1997 01 15.26063	01 58 48.75	+09 50 05.2	18.6 V	566
1996 XK ₁₂	1997 01 11.40965	08 18 03.10	+26 18 42.3	19.2 V	566	1997 AM ₇	1997 01 15.51965	09 39 11.98	+16 06 54.1	19.1 V	566
1996 XK ₁₂	1997 01 12.39887	08 17 11.52	+26 25 43.1	19.5 V	566	1997 AM ₇	1997 01 15.52806	09 39 11.57	+16 06 54.9	19.2 V	566
1996 XK ₁₂	1997 01 12.40734	08 17 11.14	+26 25 47.0	19.4 V	566	1997 AM ₇	1997 01 15.53650	09 39 11.20	+16 06 56.3	18.9 V	566
1996 XK ₁₂	1997 01 12.41575	08 17 10.67	+26 25 50.9	19.8 V	566	1997 AR ₇	1997 01 15.29278	03 21 46.40	+21 42 00.7	20.2 V	566
1996 XN ₁₇	1997 01 14.33252	03 25 47.62	+23 07 39.6	19.0 V	566	1997 AR ₇	1997 01 15.30124	03 21 46.67	+21 42 01.5	20.0 V	566
1996 XN ₁₇	1997 01 14.34310	03 25 47.80	+23 07 43.7	19.1 V	566	1997 AR ₇	1997 01 15.30972	03 21 47.03	+21 42 01.6	19.4 V	566
1996 XN ₁₇	1997 01 14.35291	03 25 47.97	+23 07 47.4	19.2 V	566	1997 AC ₁₁	* 1997 01 10.56558	10 16 14.98	+07 47 41.2	19.0 V	566
1996 XB ₁₉	1996 12 17.55112	04 50 41.19	+22 54 00.9	17.5 V	566	1997 AC ₁₁	1997 01 10.57407	10 16 15.93	+07 48 50.3	19.1 V	566
1996 XB ₁₉	1996 12 17.55953	04 50 40.62	+22 54 00.6	17.5 V	566	1997 AC ₁₁	1997 01 10.58253	10 16 16.81	+07 49 59.1	19.0 V	566
1996 XB ₁₉	1996 12 17.56792	04 50 40.07	+22 54 00.1	17.5 V	566	1997 AC ₁₁	1997 01 11.47904	10 18 20.87	+09 57 53.2	18.6 V	566
1996 XV ₂₂	1996 12 17.48160	03 42 06.29	+09 22 30.0	19.8 V	566	1997 AC ₁₁	1997 01 11.48751	10 18 21.96	+09 59 09.7	18.7 V	566
1996 XV ₂₂	1996 12 17.48999	03 42 06.02	+09 22 31.8	20.1 V	566	1997 AC ₁₁	1997 01 11.49593	10 18 22.97	+10 00 25.5	18.8 V	566
1996 XV ₂₂	1996 12 17.49841	03 42 05.73	+09 22 32.1	20.1 V	566	1997 AC ₁₁	1997 01 11.50263	10 18 23.78	+10 01 26.2	18.7 V	566
1996 XX ₂₆	1997 01 15.44310	09 34 33.65	+22 38 28.6	18.4 V	566	1997 AC ₁₁	1997 01 11.51104	10 18 24.79	+10 02 41.5	18.5 V	566
1996 XX ₂₆	1997 01 15.45152	09 34 33.30	+22 38 33.6	18.4 V	566	1997 AC ₁₁	1997 01 11.51949	10 18 25.80	+10 03 58.1	18.6 V	566
1996 XX ₂₆	1997 01 15.46228	09 34 32.86	+22 38 40.5	18.7 V	566	1997 AC ₁₁	1997 01 11.62403	10 18 38.41	+10 19 44.8	19.4 V	566
1996 XC ₃₁	1997 01 11.33448	07 25 42.74	+19 43 22.8	19.2 V	566	1997 AC ₁₁	1997 01 11.63248	10 18 39.47	+10 21 01.8	18.8 V	566
1996 XC ₃₁	1997 01 11.34290	07 25 42.20	+19 43 22.8	18.8 V	566	1997 AC ₁₁	1997 01 11.64092	10 18 40.50	+10 22 18.7	18.7 V	566
1996 XC ₃₁	1997 01 11.35128	07 25 41.66	+19 43 22.9	18.6 V	566	1997 AC ₁₁	1997 01 12.45778	10 20 45.37	+12 32 08.7	18.9 V	566
1996 YP	1997 01 11.33854	07 30 02.77	+22 55 04.4	17.1 V	566	1997 AC ₁₁	1997 01 12.46627	10 20 46.56	+12 33 34.5	18.7 V	566
1996 YP	1997 01 11.34692	07 30 02.14	+22 55 03.6	17.2 V	566	1997 AC ₁₁	1997 01 12.47469	10 20 47.70	+12 34 58.5	18.7 V	566
1996 YP	1997 01 11.35535	07 30 01.54	+22 55 03.0	17.6 V	566	1997 AC ₁₁	1997 01 12.62514	10 21 07.67	+13 00 11.2	18.6 V	566
1996 YR	1997 01 12.39680	07 40 51.38	+24 18 56.1	18.1 V	566	1997 AC ₁₁	1997 01 12.63359	10 21 08.81	+13 01 37.4	18.5 V	566
1996 YR	1997 01 12.40524	07 40 50.80	+24 18 59.8	18.1 V	566	1997 AC ₁₁	1997 01 12.64201	10 21 09.96	+13 03 02.2	18.5 V	566
1996 YR	1997 01 12.41363	07 40 50.15	+24 19 03.5	18.1 V	566	1997 AC ₁₁	1997 01 13.47048	10 23 28.69	+15 29 32.7	18.2 V	566
1996 YV ₂	1997 01 10.39572	07 16 13.75	+23 28 49.4	18.6 V	566	1997 AC ₁₁	1997 01 13.47893	10 23 29.96	+15 31 06.3	18.3 V	566
1996 YV ₂	1997 01 10.40446	07 16 13.06	+23 28 48.6	18.6 V	566	1997 AC ₁₁	1997 01 13.48738	10 23 31.21	+15 32 40.3	18.3 V	566
1996 YV ₂	1997 01 10.41284	07 16 12.50	+23 28 48.6	18.3 V	566	1997 AC ₁₁	1997 01 15.45801	10 29 46.17	+22 16 31.8	18.2 V	566
1997 AG	1997 01 14.38442	07 43 27.38	+24 02 19.9	17.3 V	566	1997 AC ₁₁	1997 01 15.46644	10 29 47.76	+22 18 26.7	18.0 V	566
1997 AG	1997 01 14.39499	07 43 26.59	+24 02 20.4	17.6 V	566	1997 AC ₁₁	1997 01 15.47492	10 29 49.34	+22 20 22.4	18.1 V	566
1997 AG	1997 01 14.40338	07 43 25.99	+24 02 20.5	17.8 V	566	1997 AC ₁₁	1997 01 15.63316	10 30 19.09	+22 56 25.8	18.0 V	566
1997 AZ ₂	1997 01 12.44671	08 34 12.86	+26 55 13.6	17.7 V	566	1997 AC ₁₁	1997 01 15.64155	10 30 20.74	+22 58 21.0	18.1 V	566
1997 AZ ₂	1997 01 12.45569	08 34 12.18	+26 55 14.3	17.8 V	566	1997 AC ₁₁	1997 01 15.64998	10 30 22.36	+23 00 16.6	17.9 V	566
1997 AZ ₂	1997 01 12.46411	08 34 11.53	+26 55 14.9	17.8 V	566	1997 AD ₁₁	* 1997 01 10.51495	09 38 34.35	+16 02 18.1	19.7 V	566
1997 AL ₃	1997 01 10.42978	08 07 01.77	+21 17 58.8	20.0 V	566	1997 AD ₁₁	1997 01 10.52334	09 38 33.99	+16 02 19.5	19.4 V	566
1997 AL ₃	1997 01 10.43823	08 07 01.23	+21 18 02.3	19.9 V	566	1997 AD ₁₁	1997 01 10.53174	09 38 33.54	+16 02 20.8	19.7 V	566
1997 AL ₃	1997 01 10.44663	08 07 00.72	+21 18 05.8	19.8 V	566	1997 AD ₁₁	1997 01 11.38658	09 37 54.21	+16 04 31.9	19.7 V	566
1997 AM ₃	1997 01 10.42978	08 07 26.81	+21 07 47.0	19.3 V	566	1997 AD ₁₁	1997 01 11.39499	09 37 53.87	+16 04 33.6	19.9 V	566
1997 AM ₃	1997 01 10.43823	08 07 26.25	+21 07 49.9	19.2 V	566	1997 AD ₁₁	1997 01 11.40340	09 37 53.37	+16 04 34.6	20.1 V	566
1997 AM ₃	1997 01 10.44663	08 07 25.72	+21 07 52.8	19.6 V	566	1997 AE ₁₁	* 1997 01 10.51906	09 41 57.56	+18 34 46.0	19.7 V	566
1997 AA ₅	1997 01 13.46643	08 34 42.13	+22 37 57.4	19.1 V	566	1997 AE ₁₁	1997 01 10.52751	09 41 57.08	+18 34 49.2	19.6 V	566
1997 AA ₅	1997 01 13.47491	08 34 41.61	+22 38 00.0	19.3 V	566	1997 AE ₁₁	1997 01 10.53590	09 41 56.55	+18 34 52.4	19.7 V	566
1997 AA ₅	1997 01 13.48332	08 34 41.10	+22 38 02.8	19.2 V	566	1997 AE ₁₁	1997 01 11.47268	09 41 14.45	+18 40 28.1	19.1 V	566
1997 AG ₆	1997 01 14.36554	07 30 37.38	+22 13 58.7	19.0 V	566	1997 AE ₁₁	1997 01 11.48309	09 41 13.96	+18 40 31.9	19.0 V	566

1997 AE ₁₁	1997 01 11.49178	09 41 13.46	+18 40 35.5	19.7 V	566	1997 AT ₁₃	1997 01 14.41753	08 17 38.88	+24 42 32.9	18.9 V	566
1997 AO ₁₂	1997 01 14.36554	07 30 01.37	+22 46 39.4	19.1 V	566	1997 AT ₁₃	1997 01 14.42604	08 17 38.31	+24 42 34.6	20.1 V	566
1997 AO ₁₂	1997 01 14.37399	07 30 00.74	+22 46 44.6	19.3 V	566	1997 AT ₁₃	1997 01 14.43844	08 17 37.39	+24 42 37.8	19.1 V	566
1997 AO ₁₂	1997 01 14.38244	07 30 00.17	+22 46 49.3	19.0 V	566	1997 AT ₁₃	1997 01 15.41373	08 16 29.88	+24 46 27.0	18.4 V	566
1997 AX ₁₂	1997 01 11.43693	09 02 14.14	+19 22 27.3	18.5 V	566	1997 AT ₁₃	1997 01 15.42220	08 16 29.25	+24 46 29.2	18.4 V	566
1997 AX ₁₂	1997 01 11.44541	09 02 13.84	+19 22 32.3	18.9 V	566	1997 AT ₁₃	1997 01 15.43285	08 16 28.45	+24 46 31.7	18.7 V	566
1997 AX ₁₂	1997 01 11.45390	09 02 13.54	+19 22 37.8	19.9 V	566	1997 AU ₁₃	* 1997 01 11.39266	08 20 15.21	+26 39 17.9	18.4 V	566
1997 AZ ₁₂	1997 01 11.43693	09 04 00.98	+19 15 48.6	18.0 V	566	1997 AU ₁₃	1997 01 11.40103	08 20 14.64	+26 39 20.2	18.5 V	566
1997 AZ ₁₂	1997 01 11.44541	09 04 00.66	+19 15 54.1	18.2 V	566	1997 AU ₁₃	1997 01 11.40965	08 20 14.04	+26 39 22.4	18.6 V	566
1997 AZ ₁₂	1997 01 11.45390	09 04 00.31	+19 15 59.6	18.2 V	566	1997 AU ₁₃	1997 01 12.39887	08 19 08.00	+26 43 42.6	19.0 V	566
1997 AN ₁₃	* 1997 01 10.41719	08 02 58.61	+16 53 13.0	19.4 V	566	1997 AU ₁₃	1997 01 12.40734	08 19 07.41	+26 43 44.9	18.7 V	566
1997 AN ₁₃	1997 01 10.42564	08 02 58.01	+16 53 15.0	18.9 V	566	1997 AU ₁₃	1997 01 12.41575	08 19 06.81	+26 43 47.4	18.8 V	566
1997 AN ₁₃	1997 01 10.43404	08 02 57.38	+16 53 17.1	19.0 V	566	1997 AX ₁₃	1997 01 15.38622	08 04 40.95	+21 05 40.6	19.2 V	566
1997 AN ₁₃	1997 01 12.40089	08 00 44.18	+17 01 02.7	19.0 V	566	1997 AX ₁₃	1997 01 15.39465	08 04 40.41	+21 05 41.6	19.5 V	566
1997 AN ₁₃	1997 01 12.40929	08 00 43.60	+17 01 04.6	19.0 V	566	1997 AX ₁₃	1997 01 15.40324	08 04 39.89	+21 05 43.2	19.6 V	566
1997 AN ₁₃	1997 01 12.41776	08 00 42.82	+17 01 07.0	19.3 V	566	1997 AQ ₁₄	* 1997 01 10.41925	08 06 17.53	+19 05 33.1	18.7 V	566
1997 AO ₁₃	* 1997 01 10.41719	08 04 44.25	+17 20 07.7	18.8 V	566	1997 AQ ₁₄	1997 01 10.42770	08 06 17.02	+19 05 33.7	19.4 V	566
1997 AO ₁₃	1997 01 10.42564	08 04 43.65	+17 20 09.7	19.0 V	566	1997 AQ ₁₄	1997 01 10.43613	08 06 16.34	+19 05 34.6	18.7 V	566
1997 AO ₁₃	1997 01 10.43404	08 04 43.08	+17 20 11.5	18.7 V	566	1997 AQ ₁₄	1997 01 13.37832	08 02 52.91	+19 09 42.8	18.6 V	566
1997 AO ₁₃	1997 01 12.40089	08 02 36.38	+17 28 05.8	19.0 V	566	1997 AQ ₁₄	1997 01 13.38676	08 02 52.35	+19 09 43.3	18.8 V	566
1997 AO ₁₃	1997 01 12.40929	08 02 35.83	+17 28 07.6	19.3 V	566	1997 AQ ₁₄	1997 01 13.39605	08 02 51.58	+19 09 44.5	19.3 V	566
1997 AO ₁₃	1997 01 12.41776	08 02 35.08	+17 28 10.0	19.5 V	566	1997 AR ₁₄	* 1997 01 12.37148	07 36 34.68	+20 40 01.7	19.2 V	566
1997 AP ₁₃	* 1997 01 11.22217	00 03 57.56	-21 44 27.6	19.1 V	566	1997 AR ₁₄	1997 01 12.37991	07 36 34.20	+20 40 05.0	19.5 V	566
1997 AP ₁₃	1997 01 11.25166	00 03 59.90	-21 44 02.9	18.7 V	566	1997 AR ₁₄	1997 01 12.39063	07 36 33.43	+20 40 09.2	19.4 V	566
1997 AP ₁₃	1997 01 11.27958	00 04 02.13	-21 43 40.0	18.7 V	566	1997 AR ₁₄	1997 01 13.34922	07 35 35.08	+20 46 07.1	19.3 V	566
1997 AP ₁₃	1997 01 12.22482	00 05 19.08	-21 30 39.9	18.9 V	566	1997 AR ₁₄	1997 01 13.35765	07 35 34.59	+20 46 09.9	19.3 V	566
1997 AP ₁₃	1997 01 12.23332	00 05 19.70	-21 30 33.1	18.9 V	566	1997 AR ₁₄	1997 01 13.36607	07 35 34.09	+20 46 12.8	19.5 V	566
1997 AP ₁₃	1997 01 12.24183	00 05 20.38	-21 30 25.7	18.8 V	566	1997 AS ₁₄	* 1997 01 12.37347	07 34 30.78	+21 37 09.0	19.0 V	566
1997 AQ ₁₃	* 1997 01 11.39266	08 20 12.15	+25 45 56.8	19.2 V	566	1997 AS ₁₄	1997 01 12.38197	07 34 30.25	+21 37 14.5	19.0 V	566
1997 AQ ₁₃	1997 01 11.40103	08 20 11.53	+25 46 12.0	19.2 V	566	1997 AS ₁₄	1997 01 12.39273	07 34 29.50	+21 37 20.9	18.7 V	566
1997 AQ ₁₃	1997 01 11.40965	08 20 10.89	+25 46 27.9	19.4 V	566	1997 AS ₁₄	1997 01 13.34922	07 33 28.48	+21 46 50.4	18.6 V	566
1997 AQ ₁₃	1997 01 12.39887	08 19 02.66	+26 16 34.3	18.6 V	566	1997 AS ₁₄	1997 01 13.35765	07 33 27.94	+21 46 55.4	18.7 V	566
1997 AQ ₁₃	1997 01 12.40734	08 19 02.06	+26 16 50.0	18.5 V	566	1997 AS ₁₄	1997 01 13.36607	07 33 27.37	+21 47 00.6	19.0 V	566
1997 AQ ₁₃	1997 01 12.41575	08 19 01.47	+26 17 05.8	18.5 V	566	1997 AS ₁₄	1997 01 14.36554	07 32 23.54	+21 56 52.5	19.5 V	566
1997 AR ₁₃	* 1997 01 10.36885	06 24 06.56	+29 30 23.9	18.8 V	566	1997 AS ₁₄	1997 01 14.37399	07 32 22.96	+21 56 57.5	19.2 V	566
1997 AR ₁₃	1997 01 10.37733	06 24 06.00	+29 30 25.5	18.9 V	566	1997 AS ₁₄	1997 01 14.38244	07 32 22.40	+21 57 02.6	19.0 V	566
1997 AR ₁₃	1997 01 10.38577	06 24 05.51	+29 30 27.3	18.7 V	566	1997 AT ₁₄	* 1997 01 12.37347	07 34 34.26	+21 06 46.9	19.1 V	566
1997 AR ₁₃	1997 01 12.35029	06 22 10.41	+29 36 55.3	19.5 V	566	1997 AT ₁₄	1997 01 12.38197	07 34 33.61	+21 06 48.1	19.0 V	566
1997 AR ₁₃	1997 01 12.35888	06 22 09.92	+29 36 57.0	19.1 V	566	1997 AT ₁₄	1997 01 12.39273	07 34 32.80	+21 06 50.7	19.1 V	566
1997 AR ₁₃	1997 01 12.36745	06 22 09.40	+29 36 58.5	18.8 V	566	1997 AT ₁₄	1997 01 13.34922	07 33 25.60	+21 10 00.7	19.0 V	566
1997 AS ₁₃	* 1997 01 10.36885	06 24 48.87	+29 27 18.2	18.9 V	566	1997 AT ₁₄	1997 01 13.35765	07 33 25.01	+21 10 02.2	18.8 V	566
1997 AS ₁₃	1997 01 10.37733	06 24 48.28	+29 27 17.3	19.1 V	566	1997 AT ₁₄	1997 01 13.36607	07 33 24.39	+21 10 03.8	18.9 V	566
1997 AS ₁₃	1997 01 10.38577	06 24 47.68	+29 27 15.9	19.0 V	566	1997 AU ₁₄	* 1997 01 12.37347	07 35 57.77	+20 50 45.0	19.6 V	566
1997 AS ₁₃	1997 01 12.35029	06 22 35.21	+29 22 15.9	18.8 V	566	1997 AU ₁₄	1997 01 12.38197	07 35 57.30	+20 50 46.9	19.2 V	566
1997 AS ₁₃	1997 01 12.35888	06 22 34.62	+29 22 14.3	18.7 V	566	1997 AU ₁₄	1997 01 12.39273	07 35 56.59	+20 50 50.6	19.4 V	566
1997 AS ₁₃	1997 01 12.36745	06 22 34.04	+29 22 13.2	18.6 V	566	1997 AU ₁₄	1997 01 13.34922	07 35 01.70	+20 55 40.5	18.7 V	566
1997 AT ₁₃	* 1997 01 11.39066	08 21 06.08	+24 30 12.7	19.0 V	566	1997 AU ₁₄	1997 01 13.35765	07 35 01.22	+20 55 43.0	18.7 V	566
1997 AT ₁₃	1997 01 11.39908	08 21 05.53	+24 30 14.9	19.2 V	566	1997 AU ₁₄	1997 01 13.36607	07 35 00.72	+20 55 45.6	18.5 V	566
1997 AT ₁₃	1997 01 11.40762	08 21 04.77	+24 30 16.9	19.3 V	566	1997 AV ₁₄	* 1997 01 12.37347	07 37 26.04	+22 01 29.4	19.4 V	566
1997 AT ₁₃	1997 01 12.40289	08 19 57.29	+24 34 24.6	18.5 V	566	1997 AV ₁₄	1997 01 12.38197	07 37 25.52	+22 01 28.0	19.4 V	566
1997 AT ₁₃	1997 01 12.41135	08 19 56.71	+24 34 26.7	18.4 V	566	1997 AV ₁₄	1997 01 12.39273	07 37 24.82	+22 01 26.5	19.0 V	566
1997 AT ₁₃	1997 01 12.41977	08 19 56.10	+24 34 29.0	18.5 V	566	1997 AV ₁₄	1997 01 13.34922	07 36 28.18	+21 59 14.6	19.4 V	566

1997 AV ₁₄	1997 01 13.35765	07 36 27.69	+21 59 13.7	19.8 V	566	1997 AK ₁₅	1997 01 14.50925	08 52 19.43	+14 12 19.1	18.8 V	566
1997 AV ₁₄	1997 01 13.36607	07 36 27.14	+21 59 13.1	19.6 V	566	1997 AL ₁₅	* 1997 01 11.41173	08 58 04.45	+13 47 20.8	19.6 V	566
1997 AZ ₁₄	* 1997 01 12.62514	10 19 16.52	+13 06 29.4	19.6 V	566	1997 AL ₁₅	1997 01 11.42016	08 58 04.04	+13 47 22.3	19.7 V	566
1997 AZ ₁₄	1997 01 12.63359	10 19 16.31	+13 06 33.2	18.9 V	566	1997 AL ₁₅	1997 01 11.42856	08 58 03.60	+13 47 23.6	19.9 V	566
1997 AZ ₁₄	1997 01 12.64201	10 19 16.09	+13 06 37.3	18.8 V	566	1997 AL ₁₅	1997 01 14.49230	08 55 26.49	+13 56 09.6	19.1 V	566
1997 AZ ₁₄	1997 01 14.57158	10 18 27.27	+13 22 14.2	19.2 V	566	1997 AL ₁₅	1997 01 14.50075	08 55 26.05	+13 56 10.4	19.2 V	566
1997 AZ ₁₄	1997 01 14.58009	10 18 27.08	+13 22 17.8	19.1 V	566	1997 AL ₁₅	1997 01 14.50925	08 55 25.58	+13 56 12.6	19.4 V	566
1997 AZ ₁₄	1997 01 14.59063	10 18 26.79	+13 22 23.7	18.7 V	566	1997 AM ₁₅	* 1997 01 11.41173	08 58 09.64	+13 36 05.5	18.4 V	566
1997 AA ₁₅	* 1997 01 13.47048	10 20 52.06	+16 00 49.9	19.2 V	566	1997 AM ₁₅	1997 01 11.42016	08 58 09.15	+13 36 07.3	18.6 V	566
1997 AA ₁₅	1997 01 13.47893	10 20 51.77	+16 00 54.7	19.0 V	566	1997 AM ₁₅	1997 01 11.42856	08 58 08.64	+13 36 08.6	18.7 V	566
1997 AA ₁₅	1997 01 13.48738	10 20 51.54	+16 00 58.4	19.0 V	566	1997 AM ₁₅	1997 01 14.49230	08 55 10.29	+13 45 20.7	18.3 V	566
1997 AA ₁₅	1997 01 14.56963	10 20 17.66	+16 10 09.7	19.4 V	566	1997 AM ₁₅	1997 01 14.50075	08 55 09.77	+13 45 21.8	18.3 V	566
1997 AA ₁₅	1997 01 14.57805	10 20 17.37	+16 10 13.8	19.2 V	566	1997 AM ₁₅	1997 01 14.50925	08 55 09.19	+13 45 23.8	18.4 V	566
1997 AA ₁₅	1997 01 14.58865	10 20 17.00	+16 10 19.6	19.0 V	566	1997 AN ₁₅	* 1997 01 11.41173	08 59 16.74	+13 23 01.7	18.7 V	566
1997 AB ₁₅	* 1997 01 12.37347	07 36 45.12	+20 46 00.8	19.0 V	566	1997 AN ₁₅	1997 01 11.42016	08 59 16.23	+13 23 01.6	18.5 V	566
1997 AB ₁₅	1997 01 12.38197	07 36 44.19	+20 46 21.7	19.3 V	566	1997 AN ₁₅	1997 01 11.42856	08 59 15.72	+13 23 01.1	18.6 V	566
1997 AB ₁₅	1997 01 12.39273	07 36 42.99	+20 46 48.3	19.3 V	566	1997 AN ₁₅	1997 01 14.49230	08 56 17.94	+13 21 24.9	18.0 V	566
1997 AB ₁₅	1997 01 13.34922	07 35 03.39	+21 26 39.0	19.2 V	566	1997 AN ₁₅	1997 01 14.50075	08 56 17.40	+13 21 24.4	18.1 V	566
1997 AB ₁₅	1997 01 13.35765	07 35 02.52	+21 27 00.6	19.0 V	566	1997 AN ₁₅	1997 01 14.50925	08 56 16.88	+13 21 24.3	18.2 V	566
1997 AB ₁₅	1997 01 13.36607	07 35 01.58	+21 27 22.0	19.0 V	566	1997 AO ₁₅	* 1997 01 12.37347	07 34 44.22	+21 42 36.3	18.3 V	566
1997 AB ₁₅	1997 01 14.36554	07 33 15.58	+22 09 20.3		566	1997 AO ₁₅	1997 01 12.38197	07 34 43.59	+21 42 38.6	18.3 V	566
1997 AB ₁₅	1997 01 14.37399	07 33 14.53	+22 09 41.6		566	1997 AO ₁₅	1997 01 12.39273	07 34 42.82	+21 42 41.9	18.2 V	566
1997 AB ₁₅	1997 01 14.38244	07 33 13.57	+22 10 03.3		566	1997 AO ₁₅	1997 01 14.36554	07 32 28.98	+21 51 46.0	18.8 V	566
1997 AG ₁₅	* 1997 01 10.41925	08 03 47.11	+18 34 52.3	19.5 V	566	1997 AO ₁₅	1997 01 14.37399	07 32 28.39	+21 51 48.3	18.6 V	566
1997 AG ₁₅	1997 01 10.42770	08 03 46.63	+18 34 55.3	19.6 V	566	1997 AO ₁₅	1997 01 14.38244	07 32 27.78	+21 51 50.7	18.6 V	566
1997 AG ₁₅	1997 01 10.43613	08 03 46.10	+18 34 58.2	19.6 V	566	1997 AP ₁₅	* 1997 01 12.40289	08 16 35.53	+24 10 39.8	18.5 V	566
1997 AG ₁₅	1997 01 14.41549	07 59 51.73	+18 58 46.0	18.9 V	566	1997 AP ₁₅	1997 01 12.41135	08 16 34.92	+24 10 40.2	18.8 V	566
1997 AG ₁₅	1997 01 14.42402	07 59 51.22	+18 58 49.1	19.3 V	566	1997 AP ₁₅	1997 01 12.41977	08 16 34.36	+24 10 41.1	18.6 V	566
1997 AG ₁₅	1997 01 14.43426	07 59 50.51	+18 58 52.6	19.7 V	566	1997 AP ₁₅	1997 01 14.41753	08 14 16.71	+24 12 49.1	18.4 V	566
1997 AH ₁₅	* 1997 01 11.39066	08 17 13.58	+24 01 34.7	18.7 V	566	1997 AP ₁₅	1997 01 14.42604	08 14 16.15	+24 12 49.4	18.8 V	566
1997 AH ₁₅	1997 01 11.39908	08 17 12.93	+24 01 43.7	18.3 V	566	1997 AP ₁₅	1997 01 14.43844	08 14 15.20	+24 12 50.2	18.5 V	566
1997 AH ₁₅	1997 01 11.40762	08 17 12.37	+24 01 52.0	18.7 V	566	1997 AP ₁₅	1997 01 15.41373	08 13 07.09	+24 13 47.4	18.4 V	566
1997 AH ₁₅	1997 01 14.41753	08 14 00.58	+24 51 53.1	18.1 V	566	1997 AP ₁₅	1997 01 15.42220	08 13 06.48	+24 13 47.7	18.5 V	566
1997 AH ₁₅	1997 01 14.42604	08 13 59.99	+24 52 01.8	18.5 V	566	1997 AP ₁₅	1997 01 15.43285	08 13 05.66	+24 13 48.1	18.2 V	566
1997 AH ₁₅	1997 01 14.43844	08 13 59.15	+24 52 14.2	18.2 V	566	1997 AQ ₁₅	* 1997 01 12.40289	08 16 52.09	+24 59 34.9	18.6 V	566
1997 AH ₁₅	1997 01 15.39035	08 12 56.51	+25 08 07.3	18.4 V	566	1997 AQ ₁₅	1997 01 12.41135	08 16 51.46	+24 59 38.0	18.4 V	566
1997 AH ₁₅	1997 01 15.40134	08 12 55.69	+25 08 18.1	18.6 V	566	1997 AQ ₁₅	1997 01 12.41977	08 16 50.87	+24 59 40.3	18.4 V	566
1997 AH ₁₅	1997 01 15.40973	08 12 55.18	+25 08 26.6	18.6 V	566	1997 AQ ₁₅	1997 01 14.41753	08 14 28.22	+25 09 41.3	18.8 V	566
1997 AH ₁₅	1997 01 15.41373	08 12 54.82	+25 08 30.6	18.2 V	566	1997 AQ ₁₅	1997 01 14.42604	08 14 27.65	+25 09 43.7	19.1 V	566
1997 AH ₁₅	1997 01 15.42220	08 12 54.23	+25 08 39.5	18.2 V	566	1997 AQ ₁₅	1997 01 14.43844	08 14 26.71	+25 09 47.3	18.7 V	566
1997 AH ₁₅	1997 01 15.43285	08 12 53.46	+25 08 50.1	18.1 V	566	1997 AQ ₁₅	1997 01 15.39035	08 13 18.32	+25 14 25.1	20.2 V	566
1997 AJ ₁₅	* 1997 01 11.39266	08 19 27.54	+25 19 54.3	17.9 V	566	1997 AQ ₁₅	1997 01 15.40134	08 13 17.55	+25 14 27.7	20.1 V	566
1997 AJ ₁₅	1997 01 11.40103	08 19 26.97	+25 19 55.5	18.0 V	566	1997 AQ ₁₅	1997 01 15.40973	08 13 16.91	+25 14 30.8	20.4 V	566
1997 AJ ₁₅	1997 01 11.40965	08 19 26.34	+25 19 56.8	18.0 V	566	1997 AQ ₁₅	1997 01 15.41373	08 13 16.56	+25 14 33.3	18.5 V	566
1997 AJ ₁₅	1997 01 14.41753	08 15 54.92	+25 26 29.3	17.6 V	566	1997 AQ ₁₅	1997 01 15.42220	08 13 15.92	+25 14 36.3	18.4 V	566
1997 AJ ₁₅	1997 01 14.42604	08 15 54.30	+25 26 30.2	18.0 V	566	1997 AQ ₁₅	1997 01 15.43285	08 13 15.15	+25 14 39.3	18.5 V	566
1997 AJ ₁₅	1997 01 14.43844	08 15 53.40	+25 26 31.8	17.6 V	566	1997 AR ₁₅	* 1997 01 12.40289	08 17 33.81	+25 17 43.7	18.8 V	566
1997 AK ₁₅	* 1997 01 11.41173	08 54 55.81	+14 04 32.9	19.3 V	566	1997 AR ₁₅	1997 01 12.41135	08 17 33.29	+25 17 44.7	18.8 V	566
1997 AK ₁₅	1997 01 11.42016	08 54 55.36	+14 04 33.9	19.0 V	566	1997 AR ₁₅	1997 01 12.41977	08 17 32.77	+25 17 45.0	18.8 V	566
1997 AK ₁₅	1997 01 11.42856	08 54 54.95	+14 04 35.3	19.0 V	566	1997 AR ₁₅	1997 01 14.41753	08 15 28.96	+25 20 16.2	18.9 V	566
1997 AK ₁₅	1997 01 14.49230	08 52 20.37	+14 12 16.8	18.9 V	566	1997 AR ₁₅	1997 01 14.42604	08 15 28.47	+25 20 17.0	19.3 V	566
1997 AK ₁₅	1997 01 14.50075	08 52 19.88	+14 12 17.5	18.8 V	566	1997 AR ₁₅	1997 01 14.43844	08 15 27.62	+25 20 17.8	18.7 V	566

1997 AR ₁₅	1997 01 15.41373	08 14 26.23	+25 21 26.2	18.7 V	566	1997 AZ ₁₅	1997 01 14.39499	07 45 43.42	+24 15 22.6	19.8 V	566
1997 AR ₁₅	1997 01 15.42220	08 14 25.67	+25 21 27.1	18.6 V	566	1997 AZ ₁₅	1997 01 14.40338	07 45 42.87	+24 15 21.9	20.2 V	566
1997 AR ₁₅	1997 01 15.43285	08 14 24.93	+25 21 27.6	19.0 V	566	1997 AA ₁₆	* 1997 01 13.37832	08 00 54.00	+19 36 57.1	19.4 V	566
1997 AS ₁₅	* 1997 01 12.40289	08 17 39.22	+24 09 42.9	18.5 V	566	1997 AA ₁₆	1997 01 13.38676	08 00 53.50	+19 36 58.6	19.9 V	566
1997 AS ₁₅	1997 01 12.41135	08 17 38.68	+24 09 46.4	18.4 V	566	1997 AA ₁₆	1997 01 13.39605	08 00 52.94	+19 36 59.8	20.2 V	566
1997 AS ₁₅	1997 01 12.41977	08 17 38.15	+24 09 49.8	18.5 V	566	1997 AA ₁₆	1997 01 14.41549	07 59 58.17	+19 39 25.4	19.4 V	566
1997 AS ₁₅	1997 01 14.41753	08 15 34.94	+24 22 26.9	18.3 V	566	1997 AA ₁₆	1997 01 14.42402	07 59 57.74	+19 39 26.6	19.5 V	566
1997 AS ₁₅	1997 01 14.42604	08 15 34.40	+24 22 30.1	18.8 V	566	1997 AA ₁₆	1997 01 14.43426	07 59 57.12	+19 39 27.9	19.7 V	566
1997 AS ₁₅	1997 01 14.43844	08 15 33.58	+24 22 34.9	18.4 V	566	1997 AB ₁₆	* 1997 01 13.37832	08 01 40.92	+19 39 15.8	19.0 V	566
1997 AS ₁₅	1997 01 15.41373	08 14 32.19	+24 28 41.7	18.4 V	566	1997 AB ₁₆	1997 01 13.38676	08 01 40.43	+19 39 16.8	18.8 V	566
1997 AS ₁₅	1997 01 15.42220	08 14 31.65	+24 28 44.9	18.4 V	566	1997 AB ₁₆	1997 01 13.39605	08 01 39.70	+19 39 18.3	19.3 V	566
1997 AS ₁₅	1997 01 15.43285	08 14 30.90	+24 28 48.9	18.5 V	566	1997 AB ₁₆	1997 01 14.41549	08 00 35.03	+19 41 31.3	18.4 V	566
1997 AT ₁₅	* 1997 01 12.40289	08 21 32.21	+24 30 49.2	18.3 V	566	1997 AB ₁₆	1997 01 14.42402	08 00 34.48	+19 41 32.5	18.6 V	566
1997 AT ₁₅	1997 01 12.41135	08 21 31.62	+24 30 50.7	18.3 V	566	1997 AB ₁₆	1997 01 14.43426	08 00 33.77	+19 41 34.0	18.8 V	566
1997 AT ₁₅	1997 01 12.41977	08 21 30.99	+24 30 52.6	18.5 V	566	1997 AC ₁₆	* 1997 01 13.37832	08 02 06.30	+19 46 00.5	19.7 V	566
1997 AT ₁₅	1997 01 14.41753	08 19 10.82	+24 36 56.1	18.9 V	566	1997 AC ₁₆	1997 01 13.38676	08 02 05.78	+19 46 04.2	19.5 V	566
1997 AT ₁₅	1997 01 14.42604	08 19 10.28	+24 36 56.9	20.3 V	566	1997 AC ₁₆	1997 01 13.39605	08 02 05.05	+19 46 08.2	20.4 V	566
1997 AT ₁₅	1997 01 14.43844	08 19 09.28	+24 36 59.8	19.3 V	566	1997 AC ₁₆	1997 01 14.41549	08 01 00.16	+19 53 16.0	19.2 V	566
1997 AU ₁₅	* 1997 01 12.40289	08 21 33.74	+24 48 41.0	19.6 V	566	1997 AC ₁₆	1997 01 14.42402	08 00 59.62	+19 53 19.4	19.7 V	566
1997 AU ₁₅	1997 01 12.41135	08 21 33.15	+24 48 43.9	19.9 V	566	1997 AC ₁₆	1997 01 14.43426	08 00 58.91	+19 53 24.0	19.4 V	566
1997 AU ₁₅	1997 01 12.41977	08 21 32.52	+24 48 47.1	19.7 V	566	1997 AD ₁₆	* 1997 01 13.37832	08 02 14.09	+18 57 43.5	18.6 V	566
1997 AU ₁₅	1997 01 14.41753	08 19 13.57	+25 00 12.1	20.5 V	566	1997 AD ₁₆	1997 01 13.38676	08 02 13.52	+18 57 45.9	18.7 V	566
1997 AU ₁₅	1997 01 14.42604	08 19 12.92	+25 00 14.5	19.9 V	566	1997 AD ₁₆	1997 01 13.39605	08 02 12.81	+18 57 49.5	19.4 V	566
1997 AU ₁₅	1997 01 14.43844	08 19 12.00	+25 00 18.7	20.2 V	566	1997 AD ₁₆	1997 01 14.41549	08 01 03.25	+19 03 00.2	18.7 V	566
1997 AV ₁₅	* 1997 01 12.48287	09 06 47.79	+16 51 36.5	18.8 V	566	1997 AD ₁₆	1997 01 14.42402	08 01 02.66	+19 03 02.8	19.1 V	566
1997 AV ₁₅	1997 01 12.49361	09 06 47.20	+16 51 50.4	19.0 V	566	1997 AD ₁₆	1997 01 14.43426	08 01 01.88	+19 03 05.8	19.3 V	566
1997 AV ₁₅	1997 01 12.50254	09 06 46.77	+16 52 02.0	18.9 V	566	1997 AE ₁₆	* 1997 01 13.37832	08 04 56.76	+19 08 01.8	18.7 V	566
1997 AV ₁₅	1997 01 14.49433	09 05 06.90	+17 35 43.8	18.3 V	566	1997 AE ₁₆	1997 01 13.38676	08 04 56.19	+19 08 02.5	18.8 V	566
1997 AV ₁₅	1997 01 14.50274	09 05 06.38	+17 35 55.0	18.3 V	566	1997 AE ₁₆	1997 01 13.39605	08 04 55.51	+19 08 02.8	19.4 V	566
1997 AV ₁₅	1997 01 14.51119	09 05 05.94	+17 36 06.2	18.2 V	566	1997 AE ₁₆	1997 01 14.41549	08 03 46.83	+19 08 58.7	18.7 V	566
1997 AW ₁₅	* 1997 01 12.50669	09 12 41.15	+19 45 18.3	19.0 V	566	1997 AE ₁₆	1997 01 14.42402	08 03 46.23	+19 08 59.4	19.2 V	566
1997 AW ₁₅	1997 01 12.51506	09 12 40.71	+19 45 21.1	19.1 V	566	1997 AE ₁₆	1997 01 14.43426	08 03 45.51	+19 08 59.9	19.2 V	566
1997 AW ₁₅	1997 01 12.52348	09 12 40.29	+19 45 23.5	19.5 V	566	1997 AE ₁₆	1997 01 15.37585	08 02 41.87	+19 09 51.9	19.1 V	566
1997 AW ₁₅	1997 01 14.49636	09 11 02.89	+19 55 36.9	19.0 V	566	1997 AE ₁₆	1997 01 15.38424	08 02 41.29	+19 09 52.3	19.2 V	566
1997 AW ₁₅	1997 01 14.50480	09 11 02.45	+19 55 39.2	19.0 V	566	1997 AE ₁₆	1997 01 15.39264	08 02 40.70	+19 09 52.8	19.2 V	566
1997 AW ₁₅	1997 01 14.51325	09 11 02.01	+19 55 42.3	19.2 V	566	1997 AF ₁₆	* 1997 01 13.46442	09 30 55.23	+17 53 51.5	20.1 V	566
1997 AX ₁₅	* 1997 01 12.50669	09 12 55.65	+19 56 03.0	19.3 V	566	1997 AF ₁₆	1997 01 13.47283	09 30 54.85	+17 53 52.6	19.6 V	566
1997 AX ₁₅	1997 01 12.51506	09 12 55.13	+19 56 05.3	19.0 V	566	1997 AF ₁₆	1997 01 13.48124	09 30 54.36	+17 53 52.8	20.2 V	566
1997 AX ₁₅	1997 01 12.52348	09 12 54.64	+19 56 07.8	19.4 V	566	1997 AF ₁₆	1997 01 14.54427	09 30 01.72	+17 55 31.8	19.8 V	566
1997 AX ₁₅	1997 01 14.49636	09 11 01.71	+20 05 05.1	18.9 V	566	1997 AF ₁₆	1997 01 14.55267	09 30 01.23	+17 55 32.4	19.8 V	566
1997 AX ₁₅	1997 01 14.50480	09 11 01.21	+20 05 07.3	19.1 V	566	1997 AF ₁₆	1997 01 14.56109	09 30 00.86	+17 55 33.7	19.8 V	566
1997 AX ₁₅	1997 01 14.51325	09 11 00.72	+20 05 09.8	19.2 V	566	1997 AF ₁₆	1997 01 14.61760	09 29 57.97	+17 55 38.1	19.6 V	566
1997 AY ₁₅	* 1997 01 12.50669	09 14 00.81	+19 18 36.5	19.6 V	566	1997 AF ₁₆	1997 01 14.62800	09 29 57.35	+17 55 39.2	19.5 V	566
1997 AY ₁₅	1997 01 12.51506	09 14 00.40	+19 18 39.3	19.6 V	566	1997 AF ₁₆	1997 01 14.63640	09 29 56.91	+17 55 40.1	19.4 V	566
1997 AY ₁₅	1997 01 12.52348	09 13 59.89	+19 18 42.1	19.4 V	566	1997 AV ₁₆	* 1997 01 14.54837	09 37 47.63	+22 43 25.0	19.7 V	566
1997 AY ₁₅	1997 01 14.49636	09 12 16.41	+19 30 12.5	20.0 V	566	1997 AV ₁₆	1997 01 14.55697	09 37 47.85	+22 43 42.6	19.6 V	566
1997 AY ₁₅	1997 01 14.50480	09 12 15.93	+19 30 15.3	19.7 V	566	1997 AV ₁₆	1997 01 14.56545	09 37 47.96	+22 43 59.8	19.6 V	566
1997 AY ₁₅	1997 01 14.51325	09 12 15.47	+19 30 18.1	19.4 V	566	1997 AV ₁₆	1997 01 15.44310	09 38 13.81	+23 13 27.9	19.4 V	566
1997 AZ ₁₅	* 1997 01 13.37625	07 46 50.68	+24 17 04.6	19.5 V	566	1997 AV ₁₆	1997 01 15.45152	09 38 13.93	+23 13 44.7	19.8 V	566
1997 AZ ₁₅	1997 01 13.38463	07 46 50.13	+24 17 03.7	19.9 V	566	1997 AV ₁₆	1997 01 15.46228	09 38 14.11	+23 14 06.3	19.9 V	566
1997 AZ ₁₅	1997 01 13.39403	07 46 49.51	+24 17 03.2	19.5 V	566	1997 AW ₁₆	* 1997 01 10.51495	09 39 06.53	+14 58 57.9	20.3 V	566
1997 AZ ₁₅	1997 01 14.38442	07 45 44.17	+24 15 23.7	19.5 V	566	1997 AW ₁₆	1997 01 10.52334	09 39 06.18	+14 58 58.9	20.2 V	566

1997 AW ₁₆	1997 01 10.53174	09 39 05.83	+14 59 00.2	19.7 V	566	1997 AE ₁₇	1997 01 15.44310	09 36 35.23	+23 06 55.4	19.6 V	566
1997 AW ₁₆	1997 01 15.51965	09 35 32.02	+15 12 16.7	19.7 V	566	1997 AE ₁₇	1997 01 15.45152	09 36 34.74	+23 06 56.9	20.0 V	566
1997 AW ₁₆	1997 01 15.52806	09 35 31.55	+15 12 17.6	20.1 V	566	1997 AE ₁₇	1997 01 15.46228	09 36 34.24	+23 06 59.7	19.9 V	566
1997 AW ₁₆	1997 01 15.53650	09 35 31.18	+15 12 19.0	20.2 V	566	1997 AF ₁₇	* 1997 01 14.54837	09 37 33.23	+22 59 30.3	19.3 V	566
1997 AX ₁₆	* 1997 01 11.38863	08 14 59.59	+22 36 40.0	19.4 V	566	1997 AF ₁₇	1997 01 14.55697	09 37 32.87	+22 59 33.2	19.5 V	566
1997 AX ₁₆	1997 01 11.39711	08 14 59.05	+22 36 42.3	19.4 V	566	1997 AF ₁₇	1997 01 14.56545	09 37 32.44	+22 59 36.1	19.3 V	566
1997 AX ₁₆	1997 01 11.40554	08 14 58.56	+22 36 44.7	19.5 V	566	1997 AF ₁₇	1997 01 15.44310	09 36 53.86	+23 04 44.0	19.4 V	566
1997 AX ₁₆	1997 01 15.38830	08 10 56.79	+22 54 32.4	19.5 V	566	1997 AF ₁₇	1997 01 15.45152	09 36 53.43	+23 04 47.2	19.3 V	566
1997 AX ₁₆	1997 01 15.39933	08 10 56.17	+22 54 35.6	19.3 V	566	1997 AF ₁₇	1997 01 15.46228	09 36 52.92	+23 04 50.9	19.2 V	566
1997 AX ₁₆	1997 01 15.40773	08 10 55.62	+22 54 37.8	19.2 V	566	1997 AG ₁₇	* 1997 01 14.54837	09 37 45.54	+23 07 39.9	19.7 V	566
1997 AY ₁₆	* 1997 01 12.40289	08 19 57.89	+24 07 31.1	19.4 V	566	1997 AG ₁₇	1997 01 14.55697	09 37 45.17	+23 07 42.1	19.7 V	566
1997 AY ₁₆	1997 01 12.41135	08 19 57.44	+24 07 35.3	19.8 V	566	1997 AG ₁₇	1997 01 14.56545	09 37 44.70	+23 07 43.8	19.8 V	566
1997 AY ₁₆	1997 01 12.41977	08 19 56.96	+24 07 39.8	19.8 V	566	1997 AG ₁₇	1997 01 15.44310	09 37 02.04	+23 11 22.1	19.7 V	566
1997 AY ₁₆	1997 01 15.41373	08 17 14.16	+24 31 32.8	20.1 V	566	1997 AG ₁₇	1997 01 15.45152	09 37 01.60	+23 11 24.1	19.6 V	566
1997 AY ₁₆	1997 01 15.42220	08 17 13.72	+24 31 37.3	20.3 V	566	1997 AG ₁₇	1997 01 15.46228	09 37 01.06	+23 11 26.9	20.1 V	566
1997 AY ₁₆	1997 01 15.43285	08 17 13.02	+24 31 42.5	19.9 V	566	1997 AH ₁₇	* 1997 01 14.54837	09 38 54.24	+23 17 18.1	20.2 V	566
1997 AZ ₁₆	* 1997 01 12.50878	09 20 33.01	+23 49 43.4	19.8 V	566	1997 AH ₁₇	1997 01 14.55697	09 38 53.96	+23 17 19.4	20.2 V	566
1997 AZ ₁₆	1997 01 12.51720	09 20 32.57	+23 49 47.4	19.5 V	566	1997 AH ₁₇	1997 01 14.56545	09 38 53.44	+23 17 21.2	19.7 V	566
1997 AZ ₁₆	1997 01 12.52563	09 20 32.04	+23 49 51.9	20.0 V	566	1997 AH ₁₇	1997 01 15.44310	09 38 13.67	+23 20 40.4	19.9 V	566
1997 AZ ₁₆	1997 01 15.49823	09 18 21.38	+24 13 43.8	19.4 V	566	1997 AH ₁₇	1997 01 15.45152	09 38 13.29	+23 20 42.4	19.9 V	566
1997 AZ ₁₆	1997 01 15.50682	09 18 20.95	+24 13 48.2	19.1 V	566	1997 AH ₁₇	1997 01 15.46228	09 38 12.74	+23 20 45.3	20.2 V	566
1997 AZ ₁₆	1997 01 15.51538	09 18 20.57	+24 13 52.2	19.2 V	566	1997 AJ ₁₇	* 1997 01 14.55041	09 38 53.36	+23 30 13.7	19.5 V	566
1997 AA ₁₇	* 1997 01 13.37832	08 05 52.04	+19 15 28.9	19.0 V	566	1997 AJ ₁₇	1997 01 14.55902	09 38 52.92	+23 30 16.8	19.3 V	566
1997 AA ₁₇	1997 01 13.38676	08 05 51.40	+19 15 30.2	19.6 V	566	1997 AJ ₁₇	1997 01 14.56760	09 38 52.62	+23 30 19.9	20.2 V	566
1997 AA ₁₇	1997 01 13.39605	08 05 50.65	+19 15 32.5	20.3 V	566	1997 AJ ₁₇	1997 01 15.44310	09 38 08.63	+23 35 37.6	19.7 V	566
1997 AA ₁₇	1997 01 15.37585	08 03 31.46	+19 22 33.5	19.7 V	566	1997 AJ ₁₇	1997 01 15.45152	09 38 08.15	+23 35 40.6	19.8 V	566
1997 AA ₁₇	1997 01 15.38424	08 03 30.83	+19 22 35.2	19.6 V	566	1997 AJ ₁₇	1997 01 15.46228	09 38 07.57	+23 35 45.0	19.7 V	566
1997 AA ₁₇	1997 01 15.39264	08 03 30.25	+19 22 36.6	19.7 V	566	1997 AK ₁₇	* 1997 01 14.55041	09 39 06.82	+24 00 19.5	19.4 V	566
1997 AB ₁₇	* 1997 01 14.44616	09 28 28.40	+18 31 45.8	19.0 V	566	1997 AK ₁₇	1997 01 14.55902	09 39 06.43	+24 00 23.8	19.3 V	566
1997 AB ₁₇	1997 01 14.45458	09 28 27.92	+18 31 49.8	19.0 V	566	1997 AK ₁₇	1997 01 14.56760	09 39 06.05	+24 00 27.7	19.7 V	566
1997 AB ₁₇	1997 01 14.46303	09 28 27.48	+18 31 53.1	19.1 V	566	1997 AK ₁₇	1997 01 15.44310	09 38 26.50	+24 07 33.7	19.1 V	566
1997 AB ₁₇	1997 01 15.62320	09 27 31.05	+18 40 24.5	19.1 V	566	1997 AK ₁₇	1997 01 15.45152	09 38 26.07	+24 07 38.0	19.0 V	566
1997 AB ₁₇	1997 01 15.62507	09 27 30.90	+18 40 25.1	19.0 V	566	1997 AK ₁₇	1997 01 15.46228	09 38 25.56	+24 07 43.2	19.3 V	566
1997 AB ₁₇	1997 01 15.63513	09 27 30.45	+18 40 29.7	19.0 V	566	1997 AL ₁₇	* 1997 01 14.56963	10 20 09.79	+15 19 32.0	19.2 V	566
1997 AB ₁₇	1997 01 15.63705	09 27 30.37	+18 40 30.6	19.1 V	566	1997 AL ₁₇	1997 01 14.57805	10 20 09.50	+15 19 34.4	19.1 V	566
1997 AB ₁₇	1997 01 15.64366	09 27 29.98	+18 40 33.4	18.9 V	566	1997 AL ₁₇	1997 01 14.58865	10 20 09.15	+15 19 37.3	19.1 V	566
1997 AB ₁₇	1997 01 15.64574	09 27 29.89	+18 40 34.2	19.1 V	566	1997 AL ₁₇	1997 01 15.57222	10 19 36.20	+15 24 20.3	20.0 V	566
1997 AC ₁₇	* 1997 01 14.51724	09 18 24.37	+23 37 56.1	19.1 V	566	1997 AL ₁₇	1997 01 15.58062	10 19 35.92	+15 24 22.4	19.8 V	566
1997 AC ₁₇	1997 01 14.52757	09 18 23.92	+23 38 00.5	19.4 V	566	1997 AL ₁₇	1997 01 15.58906	10 19 35.45	+15 24 25.2	19.2 V	566
1997 AC ₁₇	1997 01 14.53600	09 18 23.61	+23 38 04.1	19.3 V	566	1997 AO ₁₇	1997 01 11.39266	08 23 39.52	+26 05 41.8	19.6 V	566
1997 AC ₁₇	1997 01 15.49823	09 17 45.01	+23 44 49.5	19.4 V	566	1997 AO ₁₇	1997 01 11.40103	08 23 39.03	+26 05 47.0	19.8 V	566
1997 AC ₁₇	1997 01 15.50682	09 17 44.66	+23 44 52.6	19.2 V	566	1997 AO ₁₇	1997 01 11.40965	08 23 38.54	+26 05 52.0	19.6 V	566
1997 AC ₁₇	1997 01 15.51538	09 17 44.27	+23 44 56.4	19.4 V	566	1997 AY ₂₁	1997 01 14.41549	08 01 35.37	+19 32 45.1	19.3 V	566
1997 AD ₁₇	* 1997 01 14.54427	09 30 03.64	+18 42 58.4	19.3 V	566	1997 AY ₂₁	1997 01 14.42402	08 01 34.87	+19 32 48.1	19.8 V	566
1997 AD ₁₇	1997 01 14.55267	09 30 03.31	+18 43 01.8	19.4 V	566	1997 AY ₂₁	1997 01 14.43426	08 01 34.15	+19 32 52.1	19.7 V	566
1997 AD ₁₇	1997 01 14.56109	09 30 03.02	+18 43 04.8	19.7 V	566	1997 BG	1997 01 12.53185	09 56 27.39	+13 18 40.6	18.7 V	566
1997 AD ₁₇	1997 01 15.62320	09 29 24.39	+18 50 01.9	20.2 V	566	1997 BG	1997 01 12.54038	09 56 27.09	+13 18 49.7	19.2 V	566
1997 AD ₁₇	1997 01 15.63513	09 29 23.87	+18 50 06.7	20.3 V	566	1997 BG	1997 01 12.54878	09 56 26.73	+13 18 58.2	19.8 V	566
1997 AD ₁₇	1997 01 15.64366	09 29 23.52	+18 50 09.6	20.0 V	566	2563 P-L	1997 01 12.37148	07 37 07.75	+20 05 07.5	18.4 V	566
1997 AE ₁₇	* 1997 01 14.54837	09 37 20.33	+23 03 26.5	18.7 V	566	2563 P-L	1997 01 12.37991	07 37 07.38	+20 05 08.6	18.4 V	566
1997 AE ₁₇	1997 01 14.55697	09 37 19.91	+23 03 28.6	18.6 V	566	2563 P-L	1997 01 12.39063	07 37 06.77	+20 05 10.1	18.3 V	566
1997 AE ₁₇	1997 01 14.56545	09 37 19.44	+23 03 30.5	18.5 V	566	2575 P-L	1997 01 14.49028	08 47 43.53	+22 03 17.4	18.0 V	566

2575 P-L	1997 01 14.49869	08 47 43.11	+22 03 19.4	17.9 V	566
2575 P-L	1997 01 14.50710	08 47 42.65	+22 03 21.6	18.0 V	566
4087 P-L	1997 01 11.35961	07 26 36.92	+25 23 47.5	17.7 V	566
4087 P-L	1997 01 11.36803	07 26 36.32	+25 23 48.3	17.9 V	566
4087 P-L	1997 01 11.37647	07 26 35.76	+25 23 49.0	17.8 V	566
4837 P-L	1997 01 12.37347	07 35 10.49	+22 11 37.1	18.6 V	566
4837 P-L	1997 01 12.38197	07 35 10.00	+22 11 38.4	18.4 V	566
4837 P-L	1997 01 12.39273	07 35 09.42	+22 11 39.7	18.2 V	566
6624 P-L	1997 01 13.48942	08 40 25.12	+23 12 41.8	18.2 V	566
6624 P-L	1997 01 13.49783	08 40 24.59	+23 12 44.9	18.5 V	566
6624 P-L	1997 01 13.56920	08 40 19.95	+23 13 06.3	19.1 V	566
6626 P-L	1997 01 10.51705	09 41 12.24	+17 25 58.3	19.1 V	566
6626 P-L	1997 01 10.52544	09 41 11.90	+17 26 00.0	19.1 V	566
6626 P-L	1997 01 10.53381	09 41 11.59	+17 26 01.6	19.1 V	566
3099 T-1	1997 01 12.43632	08 31 34.15	+25 37 35.4	16.8 V	566
3099 T-1	1997 01 12.44469	08 31 33.56	+25 37 36.1	16.8 V	566
3099 T-1	1997 01 12.45376	08 31 32.89	+25 37 37.2	16.7 V	566
3297 T-2	1996 12 17.57595	04 46 27.40	+26 41 04.7	18.3 V	566
3297 T-2	1996 12 17.58560	04 46 26.76	+26 41 03.9	18.5 V	566
3297 T-2	1996 12 17.59618	04 46 26.00	+26 41 03.2	18.4 V	566
(2368)	1997 01 15.41586	08 48 41.65	+15 19 50.8	20.1 V	566
(2368)	1997 01 15.42437	08 48 41.10	+15 19 52.1	20.3 V	566
(2368)	1997 01 15.43487	08 48 40.33	+15 19 54.1	20.3 V	566
(3186)	1997 01 14.41549	08 00 32.82	+19 36 42.5	17.3 V	566
(3186)	1997 01 14.42402	08 00 32.38	+19 36 43.8	17.7 V	566
(3186)	1997 01 14.43426	08 00 31.81	+19 36 45.6	17.8 V	566
(3216)	1997 01 12.55498	09 55 55.44	+15 56 59.3	19.5 V	566
(3216)	1997 01 12.56340	09 55 55.06	+15 57 01.3	19.5 V	566
(3216)	1997 01 12.57180	09 55 54.76	+15 57 04.1	19.3 V	566
(4731)	1997 01 11.41173	08 56 28.69	+13 37 27.4	18.2 V	566
(4731)	1997 01 11.42016	08 56 28.28	+13 37 27.4	18.2 V	566
(4731)	1997 01 11.42856	08 56 27.84	+13 37 27.9	18.3 V	566
(4847)	1997 01 14.44242	08 43 57.98	+18 02 08.7	17.8 V	566
(4847)	1997 01 14.45091	08 43 57.45	+18 02 11.0	17.7 V	566
(4847)	1997 01 14.46069	08 43 56.83	+18 02 13.4	17.8 V	566
(4906)	1997 01 13.34922	07 34 00.49	+21 19 09.5	19.0 V	566
(4906)	1997 01 13.35765	07 33 59.89	+21 19 11.5	19.3 V	566
(4906)	1997 01 13.36607	07 33 59.26	+21 19 13.5	19.2 V	566
(5078)	1997 01 13.25244	02 12 50.09	+12 29 25.4	19.6 V	566
(5078)	1997 01 13.26087	02 12 50.50	+12 29 27.5	19.5 V	566
(5078)	1997 01 13.26929	02 12 50.97	+12 29 29.2	20.0 V	566
(5352)	1997 01 15.24780	01 49 49.45	+13 07 21.8	17.0 V	566
(5352)	1997 01 15.25629	01 49 50.12	+13 07 24.1	17.1 V	566
(5352)	1997 01 15.26477	01 49 50.79	+13 07 26.5	17.0 V	566
(5921)	1997 01 15.38830	08 06 42.60	+23 20 49.7	17.0 V	566
(5921)	1997 01 15.39933	08 06 41.76	+23 20 51.1	17.1 V	566
(5921)	1997 01 15.40773	08 06 41.12	+23 20 52.6	17.0 V	566
(5930)	1997 01 14.38646	07 51 36.81	+17 25 45.7	17.0 V	566
(5930)	1997 01 14.39694	07 51 36.07	+17 25 48.7	17.0 V	566
(5930)	1997 01 14.40541	07 51 35.49	+17 25 51.2	17.0 V	566
(6203)	1997 01 11.36567	08 11 00.13	+18 49 43.4	18.7 V	566
(6203)	1997 01 11.37407	08 10 59.65	+18 49 44.5	19.6 V	566

(6203)	1997 01 11.38264	08 10 59.03	+18 49 45.8	19.2 V	566
(6277)	1997 01 14.49028	08 49 32.02	+23 06 02.8	18.1 V	566
(6277)	1997 01 14.49869	08 49 31.42	+23 06 04.2	18.0 V	566
(6277)	1997 01 14.50710	08 49 30.81	+23 06 05.5	18.0 V	566
(6481)	1997 01 12.42584	08 30 23.48	+23 13 46.8	17.4 V	566
(6481)	1997 01 12.43432	08 30 22.91	+23 13 48.0	17.4 V	566
(6481)	1997 01 12.44269	08 30 22.35	+23 13 48.9	17.5 V	566
(6543)	1997 01 14.59884	10 04 49.57	+08 03 02.2	18.6 V	566
(6543)	1997 01 14.60723	10 04 49.22	+08 03 02.8	18.6 V	566
(6543)	1997 01 14.61562	10 04 48.86	+08 03 03.4	18.7 V	566
(6612)	1996 12 17.61950	05 35 02.71	+23 52 24.9	17.5 V	566
(6612)	1996 12 17.62789	05 35 02.12	+23 52 25.1	17.5 V	566
(6612)	1996 12 17.63824	05 35 01.41	+23 52 25.4	17.4 V	566

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P. Ventre

0.5-m reflector + CCD

GSC

1989 WG ₄	1997 01 14.96803	10 19 36.75	+16 00 20.8	587
1989 WG ₄	1997 01 15.03847	10 19 34.90	+16 00 52.6	587
1989 WG ₄	1997 01 16.92442	10 18 46.21	+16 14 39.7	587
1989 WG ₄	1997 01 16.94785	10 18 45.54	+16 14 50.6	587
1991 VH	1997 01 11.13518	11 49 52.04	-03 23 35.9	587
1991 VH	1997 01 11.14108	11 49 52.48	-03 23 31.4	587
1994 FB	1996 12 15.99178	07 56 58.56	+16 43 47.1	587
1994 FB	1996 12 16.01198	07 56 57.81	+16 43 47.5	587
1994 FB	1996 12 16.01892	07 56 57.56	+16 43 48.0	587
1994 FB	1996 12 16.03241	07 56 57.06	+16 43 48.3	587
1994 FB	1997 01 10.88946	07 33 13.70	+17 28 23.4	587
1994 FB	1997 01 10.89323	07 33 13.46	+17 28 24.3	587
1994 FB	1997 01 10.89780	07 33 13.16	+17 28 24.4	587
1994 PC ₁	1997 01 13.82899	04 16 37.78	-35 06 17.9	587
1994 PC ₁	1997 01 13.83026	04 16 36.75	-35 06 04.7	587
1994 PC ₁	1997 01 13.83686	04 16 31.12	-35 04 57.7	587
1994 PC ₁	1997 01 13.83825	04 16 29.96	-35 04 44.0	587
1994 PC ₁	1997 01 14.83381	04 02 17.84	-31 57 49.4	587
1994 PC ₁	1997 01 14.83587	04 02 15.94	-31 57 23.6	587
1994 PC ₁	1997 01 14.83854	04 02 13.45	-31 56 50.3	587
1994 PC ₁	1997 01 14.83987	04 02 12.22	-31 56 33.2	587
1994 PC ₁	1997 01 16.85378	03 29 23.97	-23 23 07.8	587
1994 PC ₁	1997 01 16.85719	03 29 20.23	-23 22 04.6	587
1994 PC ₁	1997 01 16.86101	03 29 16.06	-23 20 53.5	587
1995 RK	1997 01 10.90428	07 44 32.89	+15 21 28.1	587
1995 RK	1997 01 10.91406	07 44 32.29	+15 21 29.0	587
1995 RK	1997 01 11.97135	07 43 23.87	+15 22 46.5	587
1995 RK	1997 01 11.98235	07 43 23.13	+15 22 48.1	587
1996 VB ₁	1996 12 29.84843	02 32 58.61	+12 53 26.7	587
1996 VB ₁	1996 12 29.91140	02 32 59.69	+12 53 24.9	587
1996 VB ₁	1996 12 29.93912	02 33 00.18	+12 53 25.2	587
1996 VC ₁	1996 12 29.85434	02 32 25.74	+15 41 17.4	587

1996 VC ₁	1996 12 29.92391	02 32 26.26	+15 41 17.6	587	1997 AV ₁₃	1997 01 11.10959	06 54 57.06	+15 28 57.2	587
1996 VC ₁	1997 01 11.80110	02 36 15.97	+15 53 13.0	587	1997 AV ₁₃	1997 01 11.91082	06 54 06.29	+15 31 37.8	587
1996 VC ₁	1997 01 11.85364	02 36 17.34	+15 53 19.1	587	1997 AV ₁₃	1997 01 11.93912	06 54 04.45	+15 31 43.1	587
1996 VS ₁	1996 12 15.82419	03 15 45.88	+35 31 06.6	587	1997 AV ₁₃	1997 01 12.87315	06 53 05.66	+15 34 51.0	587
1996 VS ₁	1996 12 15.83264	03 15 45.09	+35 31 11.5	587	1997 AV ₁₃	1997 01 12.88427	06 53 04.92	+15 34 53.3	587
1996 VS ₁	1996 12 29.86197	03 00 57.09	+37 21 45.7	587	1997 AV ₁₃	1997 01 13.84641	06 52 05.28	+15 38 11.0	587
1996 VS ₁	1996 12 29.87939	03 00 56.40	+37 21 52.9	587	1997 AV ₁₃	1997 01 13.86082	06 52 04.35	+15 38 13.8	587
1996 VS ₁	1997 01 11.79600	02 58 18.51	+38 39 44.0	587	1997 AV ₁₃	1997 01 14.93900	06 50 58.44	+15 41 57.9	587
1996 VS ₁	1997 01 11.84717	02 58 19.01	+38 40 01.3	587	1997 AV ₁₃	1997 01 14.94595	06 50 58.04	+15 41 58.8	587
1996 VZ ₅	1996 12 14.83657	04 52 22.09	+26 24 36.0	587	1997 AV ₁₃	1997 01 14.95012	06 50 57.77	+15 41 59.7	587
1996 VZ ₅	1996 12 14.84264	04 52 21.47	+26 24 43.8	587	1997 AW ₁₃	* 1997 01 11.05558	09 13 09.41	+25 37 56.8	587
1996 VZ ₅	1996 12 15.84340	04 50 43.52	+26 44 02.3	16.3 V 587	1997 AW ₁₃	1997 01 11.07801	09 13 08.14	+25 38 00.6	17.5 V 587
1996 VZ ₅	1996 12 15.84896	04 50 42.96	+26 44 08.8	587	1997 AW ₁₃	1997 01 11.94665	09 12 23.55	+25 39 29.8	587
1996 XW ₁	1996 12 15.81001	02 35 05.08	+06 10 42.1	b 587	1997 AW ₁₃	1997 01 11.96400	09 12 22.60	+25 39 31.4	587
1996 XW ₁	1996 12 15.81406	02 35 04.82	+06 10 23.9	b 587	1997 AW ₁₃	1997 01 12.87869	09 11 34.51	+25 41 04.4	587
1996 XB ₂	1996 12 15.91805	07 08 29.35	+12 26 08.0	587	1997 AW ₁₃	1997 01 12.88941	09 11 33.98	+25 41 06.6	587
1996 XB ₂	1996 12 15.93535	07 08 28.04	+12 25 46.0	587	1997 AW ₁₃	1997 01 13.87934	09 10 40.59	+25 42 45.2	587
1996 XB ₂	1996 12 29.95804	06 49 51.45	+07 43 30.6	587	1997 AW ₁₃	1997 01 13.89716	09 10 39.56	+25 42 46.6	587
1996 XB ₂	1996 12 29.96487	06 49 50.86	+07 43 23.4	587	1997 AW ₁₃	1997 01 16.91614	09 07 49.62	+25 47 36.5	587
1996 XB ₂	1997 01 10.92865	06 34 16.58	+04 29 06.1	587	1997 AW ₁₃	1997 01 16.94010	09 07 48.12	+25 47 37.9	587
1996 XB ₂	1997 01 10.93351	06 34 16.23	+04 29 02.0	587	1997 AB ₁₅	1997 01 14.87655	07 32 20.57	+22 30 49.4	18.5 V 587
1996 XX ₁₄	1997 01 10.85706	05 32 00.80	-10 08 38.0	587	1997 AB ₁₅	1997 01 14.88107	07 32 20.09	+22 31 00.7	587
1996 XX ₁₄	1997 01 10.86817	05 32 01.43	-10 08 11.3	587	1997 AB ₁₅	1997 01 14.89293	07 32 18.75	+22 31 30.6	587
1996 XG ₂₆	* 1996 12 14.83657	04 52 51.55	+26 26 11.5	587	(427)	1997 01 14.87655	07 32 37.23	+22 26 56.2	587
1996 XG ₂₆	1996 12 14.84264	04 52 51.07	+26 26 09.5	587	(427)	1997 01 14.88107	07 32 36.98	+22 26 56.4	587
1996 XG ₂₆	1996 12 15.96660	04 51 34.33	+26 24 15.3	587	(427)	1997 01 14.89293	07 32 36.31	+22 26 57.0	587
1996 XG ₂₆	1996 12 15.97754	04 51 33.59	+26 24 14.1	18.2 V 587					
1996 XG ₂₆	1996 12 29.87401	04 38 15.26	+25 56 59.8	587					
1996 XG ₂₆	1996 12 29.89160	04 38 14.39	+25 56 56.9	587					
1996 XG ₂₆	1997 01 10.81859	04 31 34.89	+25 34 39.5	587					
1996 XG ₂₆	1997 01 10.83640	04 31 34.41	+25 34 37.1	587					
1996 YP ₃	* 1996 12 29.84843	02 33 18.78	+12 48 56.6	17.5 V 587					
1996 YP ₃	1996 12 29.93912	02 33 18.18	+12 49 24.0	587					
1996 YP ₃	1997 01 10.80942	02 34 06.28	+13 51 23.3	587					
1996 YP ₃	1997 01 10.82971	02 34 06.66	+13 51 32.0	587					
1996 YP ₃	1997 01 10.84646	02 34 06.77	+13 51 37.9	587					
1996 YP ₃	1997 01 11.84285	02 34 20.70	+13 57 16.7	587					
1996 YP ₃	1997 01 13.81898	02 34 52.93	+14 08 43.1	587					
1996 YP ₃	1997 01 13.86614	02 34 53.58	+14 08 59.8	587					
1997 AP ₁₀	1997 01 16.95648	07 57 22.23	+19 53 29.4	587					
1997 AP ₁₀	1997 01 16.96400	07 57 21.33	+19 53 31.9	587					
1997 AC ₁₁	1997 01 13.92233	10 24 47.84	+16 54 26.8	587					
1997 AC ₁₁	1997 01 13.92418	10 24 48.18	+16 54 49.2	587					
1997 AC ₁₁	1997 01 13.92800	10 24 48.85	+16 55 33.1	587					
1997 AC ₁₁	1997 01 14.90949	10 27 53.77	+20 15 24.1	587					
1997 AC ₁₁	1997 01 14.91117	10 27 54.09	+20 15 45.2	587					
1997 AC ₁₁	1997 01 14.91487	10 27 54.77	+20 16 32.4	587					
1997 AC ₁₁	1997 01 16.93119	10 35 32.99	+28 12 35.0	587					
1997 AC ₁₁	1997 01 16.93576	10 35 34.08	+28 13 46.2	587					
1997 AV ₁₃	* 1997 01 11.01240	06 55 03.60	+15 28 40.0	587					
1997 AV ₁₃	1997 01 11.02615	06 55 02.70	+15 28 41.9	587					
1997 AV ₁₃	1997 01 11.10139	06 54 57.62	+15 28 55.9	17.5 V 587					

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0.50-m $f/2.8$ Ritchey-Chrétien + CCD

GSC

1985 JU ₁	1996 12 15.83498	05 16 13.54	+21 44 18.9	17.0 V	589
1985 JU ₁	1996 12 15.84184	05 16 13.00	+21 44 19.2		589
1985 JU ₁	1996 12 15.84870	05 16 12.48	+21 44 20.1		589
1985 JU ₁	1996 12 15.85557	05 16 11.99	+21 44 20.1		589
(7356)	1996 12 27.73417	02 29 16.30	+29 23 55.2	18.3 V	589
(7356)	1996 12 27.74781	02 29 16.26	+29 23 49.0		589
(7356)	1996 12 27.76181	02 29 16.24	+29 23 43.8		589

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Measurers L. Drigo, E. Pettarin

0.4-m $f/4.5$ reflector + CCD

GSC

1994 BN ₄	1996 12 06.03553	05 16 33.56	+22 30 53.2	16.9 V	595
1994 BN ₄	1996 12 06.05520	05 16 32.15	+22 30 48.7		595
1994 BN ₄	1996 12 08.88669	05 13 14.00	+22 19 37.0		595
1994 BN ₄	1996 12 08.91303	05 13 12.09	+22 19 30.8		595
1994 BN ₄	1996 12 15.94010	05 05 07.07	+21 51 18.0		595

1994 BN ₄	1996 12 15.99175	05 05 03.49	+21 51 05.3		595	1996 XG ₂	1997 01 08.82654	04 21 33.60	+20 34 18.9		595
1994 BN ₄	1997 01 12.00928	04 43 04.21	+20 19 33.7		595	1996 XH ₂	1996 12 14.90084	04 43 37.42	+19 42 30.2		595
1994 BN ₄	1997 01 12.02184	04 43 04.08	+20 19 30.8	17.6 V	595	1996 XH ₂	1996 12 14.92902	04 43 35.77	+19 42 18.8		595
1994 BN ₄	1997 01 12.94220	04 42 41.90	+20 17 21.9		595	1996 XH ₂	1996 12 15.83897	04 42 44.48	+19 36 21.2		595
1994 BN ₄	1997 01 12.95678	04 42 41.51	+20 17 20.1		595	1996 XH ₂	1996 12 15.92860	04 42 39.33	+19 35 47.0		595
1994 FS	1996 12 03.94159	04 51 37.83	+20 23 03.8		595	1996 XH ₂	1997 01 07.85068	04 27 00.40	+17 31 26.2		595
1994 FS	1996 12 03.95259	04 51 37.04	+20 23 03.0		595	1996 XH ₂	1997 01 07.87354	04 26 59.83	+17 31 19.7		595
1994 FS	1997 01 12.80082	04 19 27.46	+19 18 28.1		595	1996 XH ₂	1997 01 08.84656	04 26 38.31	+17 27 26.4		595
1994 FS	1997 01 12.83749	04 19 26.62	+19 18 29.0		595	1996 XH ₂	1997 01 08.86016	04 26 38.01	+17 27 23.8	19.1 V	595
1994 FS	1997 01 13.84119	04 19 05.80	+19 17 57.4		595	1996 XJ ₂₆	1996 12 04.99186	04 52 24.75	+20 46 14.8		595
1994 FS	1997 01 13.85571	04 19 05.46	+19 17 58.5	18.7 V	595	1996 XJ ₂₆	* 1996 12 05.00521	04 52 24.04	+20 46 14.1	17.8 V	595
1995 JG	1997 01 12.77590	01 24 28.14	+21 01 14.8		595	1996 XJ ₂₆	1996 12 05.96852	04 51 30.39	+20 45 32.4		595
1995 JG	1997 01 12.78689	01 24 28.92	+21 01 21.7		595	1996 XJ ₂₆	1996 12 05.97953	04 51 29.77	+20 45 32.3		595
1995 JG	1997 01 13.74231	01 25 32.66	+21 12 25.5		595	1996 XJ ₂₆	1996 12 14.88247	04 43 23.82	+20 39 05.3		595
1995 JG	1997 01 13.75238	01 25 33.36	+21 12 31.4	18.2 V	595	1996 XJ ₂₆	1996 12 14.91385	04 43 22.18	+20 39 03.8		595
1996 PS ₁	1996 12 04.71845	21 37 13.41	+01 00 36.8		595	1996 XJ ₂₆	1997 01 07.94994	04 26 50.99	+20 29 32.2		595
1996 PS ₁	1996 12 04.77156	21 37 15.45	+01 00 34.4		595	1996 XJ ₂₆	1997 01 07.98282	04 26 50.00	+20 29 32.4		595
1996 PS ₁	1996 12 05.72084	21 37 51.39	+00 59 42.1		595	1996 XJ ₂₆	1997 01 13.87896	04 24 39.27	+20 30 41.0		595
1996 PS ₁	1996 12 05.73330	21 37 51.81	+00 59 41.1	18.1 V	595	1996 XJ ₂₆	1997 01 13.89608	04 24 38.94	+20 30 40.6		595
1996 TN	1997 01 07.71303	01 24 05.25	+09 28 35.4		595	1996 XK ₂₆	1996 12 14.90084	04 43 38.64	+19 45 00.2		595
1996 TN	1997 01 07.72558	01 24 06.08	+09 28 42.2	17.8 V	595	1996 XK ₂₆	* 1996 12 14.92902	04 43 37.04	+19 44 59.5	18.1 V	595
1996 TN	1997 01 08.71108	01 25 08.65	+09 37 09.0		595	1996 XK ₂₆	1996 12 15.84494	04 42 43.68	+19 43 51.8		595
1996 TN	1997 01 08.72552	01 25 09.56	+09 37 17.0		595	1996 XK ₂₆	1996 12 15.89693	04 42 40.63	+19 43 47.9		595
1996 TO	1996 12 04.79847	01 05 46.24	+01 51 53.9	19 V	595	1997 AV ₁₄	1997 01 14.89634	07 34 56.62	+21 55 37.8		595
1996 TO	1996 12 04.82659	01 05 46.48	+01 51 58.3		595	1997 AV ₁₄	1997 01 14.90900	07 34 55.80	+21 55 36.7		595
1996 TO	1996 12 05.75631	01 05 56.54	+01 54 33.0		595	1997 AV ₁₄	1997 01 15.89597	07 33 57.58	+21 53 16.5	18.3 V	595
1996 TO	1996 12 05.78578	01 05 56.83	+01 54 38.5		595	1997 AV ₁₄	1997 01 15.91017	07 33 56.79	+21 53 14.5		595
1996 TQ	1996 12 04.81282	01 05 30.81	+03 13 33.8	18.8 V	595	1997 AQ ₁₇	1997 01 13.02242	08 02 26.32	+20 06 08.2		595
1996 TQ	1996 12 04.88514	01 05 31.55	+03 13 51.5		595	1997 AQ ₁₇	* 1997 01 13.03738	08 02 25.46	+20 06 11.1		595
1996 TQ	1996 12 05.77271	01 05 43.94	+03 17 43.5		595	1997 AQ ₁₇	1997 01 13.96545	08 01 31.98	+20 07 27.5	17.9 V	595
1996 TQ	1996 12 05.80432	01 05 44.34	+03 17 52.3		595	1997 AQ ₁₇	1997 01 13.97978	08 01 31.09	+20 07 29.1		595
1996 TR	1996 12 03.79999	01 16 11.07	-00 17 41.4		595	1997 AR ₁₇	1997 01 14.84513	07 30 15.59	+20 06 37.6		595
1996 TR	1996 12 03.85981	01 16 11.89	-00 17 36.4		595	1997 AR ₁₇	* 1997 01 14.85846	07 30 14.67	+20 06 39.4		595
1996 TR	1996 12 04.93734	01 16 29.97	-00 15 06.7		595	1997 AR ₁₇	1997 01 15.88185	07 29 02.86	+20 08 26.0		595
1996 TR	1996 12 04.97888	01 16 30.68	-00 15 00.2		595	1997 AR ₁₇	1997 01 15.90182	07 29 01.49	+20 08 26.9	17.8 V	595
1996 TX ₇	1996 12 04.78478	01 08 09.43	+01 20 02.2	18.7 V	595	1997 AS ₁₇	1997 01 14.90625	07 34 18.06	+21 57 14.4	16.8 V	595
1996 TX ₇	1996 12 04.92883	01 08 10.11	+01 20 21.1		595	1997 AS ₁₇	* 1997 01 14.93200	07 34 16.17	+21 57 21.2		595
1996 TC ₁₃	1996 12 04.89957	01 44 09.72	+03 00 34.1		595	1997 AS ₁₇	1997 01 15.87478	07 33 10.31	+22 01 16.9		595
1996 TC ₁₃	1996 12 04.97123	01 44 10.02	+03 00 46.2		595	1997 AS ₁₇	1997 01 15.88904	07 33 09.26	+22 01 20.2		595
1996 WE ₃	1996 12 15.95491	04 37 40.85	+19 28 30.1		595	1997 AO ₁₈	1997 01 15.92615	07 35 37.23	+25 00 03.2		595
1996 WE ₃	1996 12 15.97163	04 37 39.75	+19 28 26.2	18 V	595	1997 AO ₁₈	* 1997 01 15.94142	07 35 36.20	+25 00 09.8	18.4 V	595
1996 WE ₃	1997 01 07.95987	04 19 57.97	+18 18 39.3		595	1997 AO ₁₈	1997 01 16.95508	07 34 27.95	+25 06 37.0		595
1996 WE ₃	1997 01 07.98935	04 19 57.11	+18 18 33.7		595	1997 AO ₁₈	1997 01 17.01035	07 34 24.12	+25 06 57.2		595
1996 WE ₃	1997 01 08.87517	04 19 34.56	+18 16 52.8	18.4 V	595	1997 AP ₁₈	1997 01 15.92615	07 36 16.08	+25 03 11.0		595
1996 WE ₃	1997 01 08.88902	04 19 34.18	+18 16 51.6		595	1997 AP ₁₈	* 1997 01 15.94142	07 36 14.92	+25 03 14.3		595
1996 XY	1996 12 15.96524	05 05 13.67	+21 47 01.1	18.2 V	595	1997 AP ₁₈	1997 01 16.91020	07 35 09.98	+25 07 07.2	18.2 V	595
1996 XY	1996 12 15.97850	05 05 12.88	+21 47 02.7		595	1997 AP ₁₈	1997 01 16.95508	07 35 06.84	+25 07 18.4		595
1996 XG ₂	1996 12 14.89223	04 41 12.34	+20 46 16.7	18.3 V	595	1997 AQ ₁₈	1997 01 15.98546	08 02 12.13	+20 06 25.5		595
1996 XG ₂	1996 12 14.92172	04 41 10.31	+20 46 15.0		595	1997 AQ ₁₈	* 1997 01 15.99433	08 02 09.99	+20 06 18.0	17.2 V	595
1996 XG ₂	1997 01 07.92273	04 21 55.56	+20 34 04.8		595	1997 AQ ₁₈	1997 01 16.07429	08 01 50.54	+20 05 06.3		595
1996 XG ₂	1997 01 07.93562	04 21 55.23	+20 34 05.2	19.2 V	595	1997 AQ ₁₈	1997 01 16.07843	08 01 49.61	+20 05 02.5		595
1996 XG ₂	1997 01 08.81196	04 21 33.99	+20 34 18.3		595	1997 AQ ₁₈	1997 01 16.11020	08 01 41.96	+20 04 34.3		595

1997 AQ ₁₈	1997 01 16.15841	08 01 30.42	+20 03 50.0	595
1997 AQ ₁₈	1997 01 16.94093	07 58 28.18	+19 52 22.0	595
1997 AQ ₁₈	1997 01 16.94584	07 58 27.00	+19 52 17.9	595
1997 AQ ₁₈	1997 01 16.97876	07 58 19.18	+19 51 49.5	595
(3380)	1997 01 14.96480	09 30 21.82	+17 53 31.5	16.0 V 595
(3380)	1997 01 14.97516	09 30 21.39	+17 53 34.4	595

596 Colleverde di Guidonia

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0.40-m $f/2.95$ reflector + CCD

GSC

1992 PY	1996 12 16.86238	07 28 03.67	+48 53 12.5	15.6 V 596
1992 PY	1996 12 16.89398	07 28 00.27	+48 52 58.3	596
1996 WQ ₂	1996 12 27.76613	05 27 39.72	+20 05 28.4	16.8 V 596
1996 WQ ₂	1996 12 27.77644	05 27 39.22	+20 05 23.5	596
1996 WQ ₂	1996 12 27.78672	05 27 38.66	+20 05 20.9	596
1996 WQ ₂	1996 12 27.80888	05 27 37.45	+20 05 10.5	596
1996 WQ ₂	1997 01 12.71727	05 15 42.61	+18 23 02.3	17.4 V 596
1996 WQ ₂	1997 01 12.73212	05 15 42.08	+18 22 59.2	596
1996 WQ ₂	1997 01 12.74528	05 15 41.64	+18 22 54.3	596
1996 XB ₉	1996 12 15.71697	03 03 31.05	+10 21 01.1	19.0 V 596
1996 XB ₉	1996 12 15.73141	03 03 30.56	+10 21 06.5	596
1996 XB ₉	1996 12 15.74546	03 03 30.07	+10 21 11.2	596
1996 XB ₉	1996 12 16.74156	03 02 57.54	+10 27 26.4	19.0 V 596
1996 XB ₉	1996 12 16.75675	03 02 57.05	+10 27 32.4	596
1996 XB ₉	1996 12 16.76519	03 02 56.71	+10 27 35.5	596
1996 XC ₉	1996 12 15.75679	03 03 43.91	+10 04 48.0	18.9 V 596
1996 XC ₉	1996 12 15.77185	03 03 43.37	+10 04 50.6	596
1997 AO ₁₇	* 1997 01 07.88154	08 26 46.09	+25 27 09.6	17.8 V 596
1997 AO ₁₇	1997 01 07.89594	08 26 45.30	+25 27 19.3	596
1997 AO ₁₇	1997 01 07.90645	08 26 44.75	+25 27 25.3	596
1997 AO ₁₇	1997 01 12.81168	08 22 19.61	+26 21 09.1	596
1997 AO ₁₇	1997 01 12.82447	08 22 18.83	+26 21 17.8	596
1997 AO ₁₇	1997 01 12.84461	08 22 17.62	+26 21 27.0	596
1997 AO ₁₇	1997 01 15.82126	08 19 22.71	+26 53 43.9	596
1997 AO ₁₇	1997 01 15.83882	08 19 21.61	+26 53 55.1	596
1997 AO ₁₇	1997 01 15.85317	08 19 20.76	+26 54 05.5	596
1997 AP ₁₇	* 1997 01 07.88154	08 26 49.34	+25 23 26.4	18.8 V 596
1997 AP ₁₇	1997 01 07.89594	08 26 48.54	+25 23 31.8	596
1997 AP ₁₇	1997 01 07.90645	08 26 48.05	+25 23 35.8	596
1997 AP ₁₇	1997 01 15.86578	08 20 05.37	+26 09 57.1	18.6 V 596
1997 AP ₁₇	1997 01 15.87608	08 20 04.89	+26 10 01.7	596
1997 AP ₁₇	1997 01 15.88638	08 20 04.32	+26 10 04.8	596
9508 P-L	1997 01 15.91536	10 01 38.32	+14 27 27.6	16.3 V 596
9508 P-L	1997 01 15.92909	10 01 37.91	+14 27 31.7	596
9508 P-L	1997 01 15.94281	10 01 37.46	+14 27 34.9	596

599 Campo Imperatore

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A. Vagnozzi, T. Scacciafrotte, V. Risoldi

Measurers A. Boattini, G. Forti, V. S. Casulli, A. Vagnozzi

0.60-m $f/3$ Schmidt + CCD

1994 QC	1997 01 17.10208	12 58 00.11	-11 17 03.5	20.8 V 599
1994 QC	1997 01 17.10718	12 58 00.84	-11 17 05.0	599
1994 QC	1997 01 17.11227	12 58 01.68	-11 17 06.8	599
1994 QC	1997 01 18.13125	13 00 40.46	-11 19 20.2	20.8 V 599
1994 QC	1997 01 18.15347	13 00 43.85	-11 19 24.4	599
1996 FG ₃	1997 01 17.07595	11 13 47.26	+03 35 44.7	19.6 V 599
1996 FG ₃	1997 01 17.09248	11 13 46.46	+03 35 45.0	599
1996 FG ₃	1997 01 18.10139	11 13 02.35	+03 36 48.1	19.5 V 599
1996 FG ₃	1997 01 18.11343	11 13 01.72	+03 36 48.0	599
1996 OO ₂	1996 11 05.00000	04 41 19.27	+36 51 58.9	17.3 V T 599
1996 OO ₂	1996 11 05.02250	04 41 18.36	+36 52 00.7	T 599
1996 OO ₂	1996 11 05.05600	04 41 16.87	+36 52 03.2	T 599
1996 RD ₁	1996 11 12.77326	23 17 15.45	-05 59 02.4	18.8 V 599
1996 RD ₁	1996 11 12.78241	23 17 15.75	-05 59 01.2	599
1996 XW ₁	1997 01 14.73322	02 28 56.46	-25 35 38.2	19.8 V 599
1996 XW ₁	1997 01 14.73681	02 28 56.58	-25 35 47.4	599
1996 XW ₁	1997 01 14.74034	02 28 56.65	-25 35 57.2	599
1996 XW ₁	1997 01 14.74352	02 28 56.67	-25 36 05.3	599
1996 XX ₁₄	1997 01 14.77488	05 36 08.95	-07 51 26.4	19.5 V 599
1996 XX ₁₄	1997 01 14.77824	05 36 09.17	-07 51 21.4	599
1996 XX ₁₄	1997 01 14.78142	05 36 09.34	-07 51 14.1	599
1996 XX ₁₄	1997 01 14.78461	05 36 09.56	-07 51 07.2	599
1997 AP ₁₀	1997 01 14.84340	08 01 26.49	+19 46 17.7	20.3 V 599
1997 AP ₁₀	1997 01 14.84861	08 01 25.66	+19 46 18.7	599
1997 AP ₁₀	1997 01 14.85278	08 01 25.19	+19 46 19.9	599
1997 AC ₁₁	1997 01 14.86151	10 27 44.81	+20 05 15.5	599
1997 AC ₁₁	1997 01 14.86512	10 27 45.28	+20 05 53.6	18.3 V 599
1997 AC ₁₁	1997 01 14.87002	10 27 46.22	+20 06 58.8	599
1997 AC ₁₁	1997 01 14.87182	10 27 46.56	+20 07 22.4	18.2 V 599
1997 AC ₁₁	1997 01 14.88032	10 27 48.23	+20 09 13.1	599
1997 AC ₁₁	1997 01 14.88549	10 27 49.17	+20 10 18.3	599
1997 AB ₁₅	1997 01 14.80775	07 32 28.20	+22 27 55.0	18.6 V 599
1997 AB ₁₅	1997 01 14.82523	07 32 26.27	+22 28 41.0	599
1997 AB ₁₅	1997 01 15.85440	07 30 34.28	+23 12 14.2	18.8 V 599
1997 AB ₁₅	1997 01 15.86574	07 30 33.03	+23 12 44.4	599
1997 AQ ₁₈	1997 01 16.88027	07 58 42.64	+19 53 16.7	17.5 V 599
1997 AQ ₁₈	1997 01 16.89086	07 58 40.16	+19 53 07.1	599
1997 AQ ₁₈	1997 01 17.80804	07 55 09.90	+19 39 39.3	17.7 V 599
1997 AQ ₁₈	1997 01 17.82326	07 55 06.22	+19 39 25.6	599
(3351)	1996 11 12.77326	23 19 08.39	-06 07 15.4	19.0 V 599
(3351)	1996 11 12.78241	23 19 08.75	-06 07 16.7	599

605 Marl

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

GSC

(207)	1996 12 28.71795	23 32 31.06	-03 54 14.2	15.4 R 605
(207)	1996 12 28.72167	23 32 31.34	-03 54 12.3	15.3 R 605
(207)	1996 12 28.72944	23 32 31.92	-03 54 07.5	15.3 R 605
(2027)	1996 12 28.87858	08 13 00.86	+33 50 18.8	15.2 R 605

(2027)	1996 12 28.88590	08 13 00.50	+33 50 21.5	15.1 R	605
(2027)	1996 12 28.89490	08 13 00.03	+33 50 25.2	15.1 R	605
(4006)	1997 01 15.98721	08 05 17.25	+20 04 10.6	14.7 R	605
(4006)	1997 01 15.99997	08 05 16.37	+20 04 11.8	14.8 R	605
(4006)	1997 01 16.02111	08 05 14.99	+20 04 13.9	14.8 R	605
(4179)	1996 12 28.92879	08 44 29.06	+16 40 17.2	12.0 R	605
(4179)	1996 12 28.93564	08 44 28.06	+16 40 23.5	11.8 R	605
(4179)	1997 01 07.91453	08 24 50.10	+18 32 26.2	13.4 R	605
(4179)	1997 01 07.92294	08 24 49.19	+18 32 31.0	13.4 R	605

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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

1994 PC	1996 12 18.35003	05 24 05.60	-04 24 05.2	16.1 R	608
1994 PC	1996 12 18.38981	05 24 03.37	-04 22 17.5	16.1 R	608
1995 QJ ₃	1997 01 10.33719	05 55 28.53	+03 52 00.5	17.6 R	608
1995 QJ ₃	1997 01 10.38908	05 55 26.22	+03 52 09.2	17.6 R	608
1995 QJ ₃	1997 01 11.36531	05 54 45.16	+03 54 57.1	18.1 R	608
1995 QJ ₃	1997 01 11.40684	05 54 43.36	+03 55 04.5	18.1 R	608
1996 UK	1996 12 18.30873	02 15 06.24	+04 41 00.1	18.6 R	608
1996 UK	1996 12 18.35772	02 15 08.34	+04 41 05.2	18.7 R	608
1996 YQ ₃	* 1996 12 17.34138	05 01 23.69	+22 17 24.2	17.4 R	608
1996 YQ ₃	1996 12 17.38693	05 01 20.61	+22 17 26.6	17.4 R	608
(998)	1997 01 08.31595	07 53 26.45	+24 15 16.9	15.6 R	608
(998)	1997 01 08.37218	07 53 23.01	+24 15 12.6	15.7 R	608
(998)	1997 01 10.31855	07 51 25.49	+24 12 24.1	15.5 R	608
(998)	1997 01 10.36965	07 51 22.33	+24 12 19.8	16.0 R	608
(1324)	1996 11 28.31768	01 37 55.32	+17 41 17.1	16.7 R	608
(1324)	1996 11 28.35499	01 37 54.34	+17 41 05.7	16.7 R	608
(1324)	1996 12 17.32044	01 36 02.22	+16 33 38.5	16.8 R	608
(1324)	1996 12 17.36636	01 36 02.66	+16 33 32.9	16.9 R	608
(1634)	1996 11 28.31945	01 44 03.03	+01 09 22.5	16.8 R	608
(1634)	1996 11 28.35685	01 44 02.01	+01 09 29.5	16.9 R	608
(1703)	1996 11 28.30656	00 23 39.59	-04 41 24.5	16.2 R	608
(1703)	1996 11 28.34427	00 23 40.82	-04 41 07.7	16.1 R	608
(2212)	1996 12 18.31805	04 23 58.10	+34 08 45.4	17.7 R	608
(2212)	1996 12 18.36858	04 23 53.15	+34 08 35.3	17.7 R	608
(2866)	1996 12 10.37474	01 09 49.10	+19 37 00.2	14.3 R	608
(2866)	1996 12 11.32531	01 10 05.02	+19 34 40.0	15.7 R	608
(2866)	1996 12 11.37049	01 10 05.73	+19 34 33.3	15.8 R	608
(3075)	1996 12 10.29629	01 50 00.55	+28 24 54.1	17.1 R	608
(3075)	1996 12 10.35126	01 50 00.30	+28 24 35.1	17.2 R	608
(3075)	1996 12 11.32739	01 50 00.23	+28 19 06.0	17.1 R	608
(3075)	1996 12 11.37885	01 50 00.13	+28 18 48.5	17.0 R	608
(3089)	1997 01 08.33063	05 30 40.42	+23 52 54.7	16.3 R	608
(3089)	1997 01 08.36004	05 30 38.98	+23 52 59.2	16.3 R	608
(3089)	1997 01 10.33423	05 29 07.14	+23 58 02.3	16.8 R	608

(3089)	1997 01 10.38635	05 29 04.69	+23 58 10.2	16.7 R	608
(3089)	1997 01 11.36255	05 28 20.85	+24 00 38.3	16.3 R	608
(3089)	1997 01 11.40389	05 28 18.94	+24 00 44.4	16.4 R	608
(3508)	1996 12 18.31566	04 19 58.25	+30 44 31.4	16.8 R	608
(3508)	1996 12 18.36537	04 19 55.48	+30 44 23.5	16.8 R	608
(3850)	1996 11 28.31577	01 03 44.20	-02 15 33.5	16.4 R	608
(3850)	1996 11 28.35252	01 03 44.35	-02 15 22.4	16.4 R	608
(3850)	1996 12 17.31813	01 12 14.17	-00 05 09.1	16.9 R	608
(3850)	1996 12 17.36314	01 12 15.96	-00 04 47.1	16.7 R	608
(3858)	1996 12 18.31396	03 40 49.30	+32 58 29.5	17.1 R	608
(3858)	1996 12 18.36310	03 40 46.80	+32 58 11.8	16.9 R	608
(3908)	1996 11 29.32115	04 36 08.60	+26 15 48.7	14.4 R	608
(3908)	1996 11 29.35082	04 36 12.08	+26 15 14.6	13.9 R	608
(3908)	1996 12 17.34138	05 01 14.40	+22 19 23.8	15.2 R	608
(3908)	1996 12 17.38693	05 01 16.17	+22 19 02.7	14.9 R	608
(3908)	1996 12 18.33747	05 02 08.22	+22 11 32.9	15.2 R	608
(3908)	1996 12 18.37703	05 02 09.74	+22 11 15.5	15.3 R	608
(3908)	1997 01 08.32895	05 19 51.83	+20 42 56.5	16.7 R	608
(3908)	1997 01 08.35352	05 19 52.94	+20 42 54.2	16.7 R	608
(3908)	1997 01 10.32790	05 21 42.66	+20 39 53.4	17.1 R	608
(3908)	1997 01 10.38006	05 21 45.13	+20 39 49.2	16.6 R	608
(3908)	1997 01 11.36027	05 22 41.01	+20 38 32.7	16.8 R	608
(3908)	1997 01 11.40182	05 22 43.04	+20 38 29.2	16.6 R	608
(4878)	1996 12 10.29065	00 48 12.54	+06 01 27.3	17.8 R	608
(4878)	1996 12 10.34491	00 48 14.93	+06 01 30.3	17.7 R	608
(5066)	1996 11 29.31616	03 46 37.85	-15 21 46.9	17.4 R	608
(5066)	1996 11 29.34536	03 46 34.65	-15 21 17.0	17.5 R	608
(5066)	1996 12 18.31170	03 18 26.59	-08 50 47.5	18.8 R	608
(5066)	1996 12 18.36079	03 18 23.12	-08 49 41.4	18.7 R	608
(5131)	1997 01 08.32689	05 14 14.53	-00 09 56.9	17.7 R	608
(5131)	1997 01 08.35141	05 14 11.91	-00 09 33.5	17.9 R	608
(5131)	1997 01 10.32108	05 10 49.83	+00 22 15.1	17.7 R	608
(5131)	1997 01 10.37211	05 10 44.56	+00 23 05.0	17.8 R	608
(5131)	1997 01 11.39887	05 09 02.30	+00 39 58.7	17.9 R	608
(5261)	1996 12 18.33458	04 55 06.50	+06 12 09.6	16.4 R	608
(5261)	1996 12 18.37550	04 55 02.75	+06 11 09.0	16.4 R	608
(5861)	1996 12 18.33980	07 21 47.22	+24 36 52.7	17.1 R	608
(5861)	1996 12 18.37926	07 21 44.70	+24 36 57.5	17.0 R	608
(6384)	1996 11 29.31378	03 10 54.73	-02 31 01.6	15.5 R	608
(6384)	1996 11 29.34348	03 10 52.02	-02 30 27.5	15.6 R	608
(6384)	1996 12 17.33851	02 50 52.65	+03 34 05.3	15.8 R	608
(6384)	1996 12 17.38406	02 50 50.55	+03 35 01.9	15.8 R	608
(7304)	1996 12 10.30687	02 49 16.87	+05 10 03.8	19.2 R	608
(7304)	1996 12 10.36446	02 49 14.71	+05 10 03.8	19.7 R	608
(7336)	1996 12 10.29898	02 08 12.06	-03 13 43.2	20.2 R	608
(7336)	1996 12 10.35464	02 08 16.86	-03 12 51.0	20.4 R	608

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

GSC

1996 XP ₂₉	1997 01 14.91669	08 18 28.94	+16 22 45.4	610	(4329)	1996 12 20.86740	04 49 24.08	+33 04 13.2	17.1 R	610
1996 XP ₂₉	1997 01 14.93150	08 18 28.16	+16 22 48.5	610	(4329)	1996 12 20.87086	04 49 23.84	+33 04 12.7		610
1996 XP ₂₉	1997 01 14.94497	08 18 27.44	+16 22 51.3	610	(4329)	1996 12 20.87434	04 49 23.60	+33 04 12.1		610
1996 XP ₂₉	1997 01 16.00821	08 17 27.98	+16 27 11.5	17.7 V	610	(4392)	1996 12 20.93385	05 53 32.42	+31 41 21.6	17.2 R
1996 XP ₂₉	1997 01 16.01741	08 17 27.46	+16 27 13.3	610	(4392)	1996 12 20.93756	05 53 32.12	+31 41 22.2		610
1996 XP ₂₉	1997 01 16.02652	08 17 26.94	+16 27 15.1	610	(4392)	1996 12 20.94138	05 53 31.81	+31 41 22.7		610
1997 AH ₁₈	* 1997 01 14.84241	07 32 45.92	+22 38 52.0	610	(4957)	1996 12 15.98132	06 27 55.64	-02 05 58.7	15.8 V	610
1997 AH ₁₈	1997 01 14.86359	07 32 44.43	+22 38 59.4	610	(4957)	1996 12 15.98641	06 27 54.89	-02 06 10.8		610
1997 AH ₁₈	1997 01 14.88231	07 32 43.11	+22 39 06.0	610	(4957)	1996 12 15.98929	06 27 54.46	-02 06 17.6		610
1997 AH ₁₈	1997 01 15.90947	07 31 33.45	+22 44 24.6	17.2 V	610	(5009)	1996 12 21.07734	09 07 19.68	+18 53 43.2	16.5 V
1997 AH ₁₈	1997 01 15.91308	07 31 33.21	+22 44 25.9	610	(5009)	1996 12 21.08736	09 07 19.57	+18 53 44.6		610
1997 AH ₁₈	1997 01 15.92057	07 31 32.70	+22 44 28.6	610	(5009)	1996 12 21.09597	09 07 19.48	+18 53 45.8		610
1997 AH ₁₈	1997 01 16.92289	07 30 25.39	+22 49 34.0	610	(5065)	1996 12 20.86740	04 49 32.59	+33 00 43.7	17.9 R	610
1997 AH ₁₈	1997 01 16.96138	07 30 22.76	+22 49 46.3	610	(5065)	1996 12 20.87086	04 49 32.37	+33 00 42.8		610
1997 AH ₁₈	1997 01 16.99012	07 30 20.79	+22 49 55.5	610	(5065)	1996 12 20.87434	04 49 32.15	+33 00 41.9		610
1997 AH ₁₈	1997 01 17.91123	07 29 19.68	+22 54 31.3	610	(5261)	1996 12 15.95227	04 58 38.12	+07 12 58.4	16.5 V	610
1997 AH ₁₈	1997 01 17.92760	07 29 18.55	+22 54 36.5	610	(5261)	1996 12 15.95590	04 58 37.78	+07 12 52.7		610
1997 AH ₁₈	1997 01 17.94675	07 29 17.26	+22 54 42.6	610	(5261)	1996 12 15.95928	04 58 37.46	+07 12 47.4		610
1997 AH ₁₈	1997 01 17.96531	07 29 15.99	+22 54 48.6	610	(5482)	1996 12 15.92196	04 17 17.64	+26 21 52.1	17.6 V	610
(975)	1996 12 15.80425	02 47 06.04	+17 20 40.0	14.8 V	610	(5482)	1996 12 15.92573	04 17 17.43	+26 21 51.1	610
(975)	1996 12 15.80836	02 47 05.94	+17 20 39.8	610	(5482)	1996 12 15.92921	04 17 17.23	+26 21 50.2		610
(975)	1996 12 15.81184	02 47 05.86	+17 20 39.5	610	(5489)	1996 12 16.00995	06 32 55.60	+19 15 14.5	14.7 V	610
(1257)	1996 12 20.98913	07 20 07.66	+16 25 01.5	15.9 V	610	(5489)	1996 12 16.02193	06 32 54.83	+19 15 18.8	610
(1257)	1996 12 20.99934	07 20 07.07	+16 25 01.9	610	(5489)	1996 12 16.02859	06 32 54.41	+19 15 21.3		610
(1257)	1996 12 21.00813	07 20 06.57	+16 25 02.2	610						
(2031)	1996 12 20.95780	06 24 57.16	+14 28 15.8	15.1 V	610					
(2031)	1996 12 20.96719	06 24 56.55	+14 28 16.7	610						
(2031)	1996 12 20.97720	06 24 55.90	+14 28 17.7	610						
(2322)	1996 12 16.00336	06 34 30.44	+19 05 30.1	15.4 V	610					
(2322)	1996 12 16.01670	06 34 29.50	+19 05 30.1	610						
(2322)	1996 12 16.02721	06 34 28.77	+19 05 30.2	610						
(2868)	1996 12 20.95449	06 22 17.48	+14 25 53.5	16.3 V	610	1990 TD ₈	1997 01 14.73750	04 26 48.04	+20 45 23.3	17.5 R
(2868)	1996 12 20.96418	06 22 16.98	+14 25 55.0	610		1990 TD ₈	1997 01 14.82014	04 26 47.13	+20 45 23.1	16.9 R
(2868)	1996 12 20.97405	06 22 16.47	+14 25 56.4	610		1990 TK ₈	1997 01 14.88819	06 05 10.39	+36 10 24.2	17.0 R
(3122)	1996 12 21.12045	10 41 13.45	+34 25 49.4	16.8 V	610	1990 TK ₈	1997 01 14.91528	06 05 08.79	+36 10 22.6	16.4 R
(3122)	1996 12 21.12436	10 41 13.26	+34 25 50.1	610						
(3122)	1996 12 21.12782	10 41 13.09	+34 25 50.6	610						
(3245)	1996 12 21.03882	08 31 00.06	+19 20 12.5	17.6 V	610					
(3245)	1996 12 21.05587	08 30 59.56	+19 20 14.2	610						
(3245)	1996 12 21.07243	08 30 59.06	+19 20 15.8	610						
(3455)	1996 12 20.98457	07 18 09.94	+16 17 47.7	15.7 V	610					
(3455)	1996 12 20.99498	07 18 09.36	+16 17 48.8	610						
(3455)	1996 12 21.00394	07 18 08.86	+16 17 49.8	610						
(4006)	1996 12 21.02747	08 28 05.50	+19 26 11.2	15.7 V	610					
(4006)	1996 12 21.04472	08 28 04.92	+19 26 11.4	610						
(4006)	1996 12 21.06147	08 28 04.35	+19 26 11.6	610						
(4026)	1996 12 16.00336	06 35 01.89	+19 07 05.6	15.9 V	610					
(4026)	1996 12 16.01670	06 35 01.09	+19 07 07.5	610						
(4026)	1996 12 16.02721	06 35 00.46	+19 07 09.0	610						
(4289)	1996 12 15.77045	03 37 47.74	+18 17 51.6	14.7 V	610					
(4289)	1996 12 15.77435	03 37 47.58	+18 17 52.1	610						
(4289)	1996 12 15.77784	03 37 47.43	+18 17 52.6	610						

611 Starkenburg Sternwarte, Heppenheim

M. Busch, Giessener Strasse 4, D-64646 Heppenheim, Germany [mab@iez.com]

Observers M. Busch, W. Ernst, F. Hormuth, L. Kurtze, R. Stoss

Measurer M. Busch

0.2-m $f/6$ reflector + CCD

GSC

1990 TD ₈	1997 01 14.73750	04 26 48.04	+20 45 23.3	17.5 R	611
1990 TD ₈	1997 01 14.82014	04 26 47.13	+20 45 23.1	16.9 R	611
1990 TK ₈	1997 01 14.88819	06 05 10.39	+36 10 24.2	17.0 R	F 611
1990 TK ₈	1997 01 14.91528	06 05 08.79	+36 10 22.6	16.4 R	F 611

619 Sabadell

A. A. Sabadell, P.O. Box 50, E-8200 Sabadell (BCN), Spain

[astrosab@redestb.es]

Observers F. Casarramona, E. Vigil

Measurer F. Casarramona

0.51-m $f/3.9$ reflector + CCD

GSC

(390)	1996 12 26.79920	02 49 23.29	+32 13 35.6		619
(390)	1996 12 26.80624	02 49 23.24	+32 13 32.3	14.4 I	619
(390)	1996 12 26.86326	02 49 22.75	+32 13 05.3		619
(390)	1996 12 26.88057	02 49 22.60	+32 12 57.2	14.4 I	619
(390)	1997 01 09.85626	02 51 07.45	+30 33 53.9	14.5 I	619
(390)	1997 01 09.86610	02 51 07.65	+30 33 50.2	14.4 I	619
(390)	1997 01 09.90161	02 51 08.35	+30 33 36.7	14.3 I	619
(390)	1997 01 09.90553	02 51 08.42	+30 33 35.3	14.4 I	619
(697)	1996 12 26.83256	02 49 58.42	+33 16 21.1		619
(697)	1996 12 26.89201	02 49 57.58	+33 16 11.3	14.0 I	619

(697)	1997 01 02.90543	02 49 17.74	+32 58 21.2	619
(697)	1997 01 02.91016	02 49 17.75	+32 58 20.6	619
(697)	1997 01 02.93699	02 49 17.74	+32 58 16.6	619
(697)	1997 01 02.94096	02 49 17.73	+32 58 16.0	619
(3816)	1996 12 26.84801	02 51 49.85	+33 10 28.8	619
(3816)	1996 12 26.85436	02 51 49.81	+33 10 25.8	15.5 I 619
(3816)	1996 12 26.88689	02 51 49.44	+33 10 10.6	619
(3816)	1997 01 02.92374	02 51 31.15	+32 17 46.2	619
(3816)	1997 01 02.92860	02 51 31.18	+32 17 44.2	619
(3816)	1997 01 02.94911	02 51 31.25	+32 17 35.3	619
(3816)	1997 01 02.95402	02 51 31.27	+32 17 33.2	619
(3908)	1996 12 15.88402	04 59 53.39	+22 31 25.6	619
(3908)	1996 12 15.88970	04 59 53.65	+22 31 22.8	619
(3908)	1996 12 20.87001	05 04 20.37	+21 53 15.8	15.6 I 619
(3908)	1996 12 20.88105	05 04 20.82	+21 53 12.0	15.5 I 619
(3908)	1996 12 20.88875	05 04 21.10	+21 53 09.1	619
(5253)	1997 01 09.91919	03 23 39.37	+33 56 00.4	619
(5253)	1997 01 09.92475	03 23 39.14	+33 56 05.8	16.0 I 619
(5253)	1997 01 09.93198	03 23 38.78	+33 56 13.4	16.2 I 619
(5253)	1997 01 10.90837	03 22 58.29	+34 12 55.9	16.2 I 619
(5253)	1997 01 10.92601	03 22 57.59	+34 13 13.6	16.2 I 619
(5253)	1997 01 10.93112	03 22 57.35	+34 13 18.7	16.1 I 619

620 Observatorio Astronómico de Mallorca

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[astroam@dinky.bitel.es]

Observers M. Blasco, A. Lopez, R. Pacheco

Measurer A. Lopez

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

(584)	1996 11 01.03122	02 50 25.57	+35 49 12.2	620
(584)	1996 11 01.97571	02 50 28.45	+35 49 37.4	620
(584)	1996 11 01.99346	02 50 27.72	+35 49 31.1	620
(584)	1996 11 01.99564	02 50 27.71	+35 49 28.7	620
(584)	1996 11 01.99875	02 50 27.51	+35 49 27.3	620
(584)	1996 11 02.00134	02 50 27.44	+35 49 28.0	620
(584)	1996 11 02.02804	02 50 25.80	+35 49 14.5	620
(584)	1996 11 02.03428	02 50 25.38	+35 49 11.7	620
(584)	1996 11 02.03869	02 50 25.11	+35 49 08.9	620
(584)	1996 11 02.04295	02 50 24.83	+35 49 05.8	620
(584)	1996 11 02.04918	02 50 24.49	+35 49 04.1	620
(998)	1996 12 14.05823	08 14 45.61	+24 43 19.1	620
(998)	1996 12 14.07118	08 14 45.20	+24 43 18.4	620
(998)	1996 12 14.09735	08 14 44.13	+24 43 16.9	620
(2129)	1996 12 10.99853	08 17 08.54	+26 16 37.8	620
(2129)	1996 12 11.01918	08 17 07.98	+26 16 45.1	620
(2129)	1996 12 11.04031	08 17 07.39	+26 16 53.9	620

627 Blauvac

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

Observer R. Roy

Measurer A. Klotz

0.26-m $f/4.7$ reflector + CCD

GSC

(229)	1996 10 05.84000	01 16 13.50	+07 26 19.4	13.3	627
(229)	1996 10 05.84394	01 16 13.33	+07 26 18.8	13.3	627
(229)	1996 10 05.84577	01 16 13.26	+07 26 17.8	13.3	627
(495)	1996 10 05.84000	01 16 10.60	+07 14 43.3	13.3	627
(495)	1996 10 05.84394	01 16 10.40	+07 14 42.1	13.2	627
(495)	1996 10 05.84577	01 16 10.33	+07 14 41.1	13.3	627

657 Victoria, Climenhaga Observatory

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

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

Observers D. D. Balam, R. Cardinal

Measurer D. D. Balam

0.5-m reflector + CCD

GSC

1996 XS ₂₃	1996 12 17.11760	05 32 10.00	+61 08 21.2	657
1996 XS ₂₃	1996 12 17.11936	05 32 09.71	+61 08 22.1	657
1996 XS ₂₃	1996 12 17.12090	05 32 09.58	+61 08 23.9	657

658 Dominion Astrophysical Observatory, Victoria

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

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Observer G. C. L. Aikman

Measurer D. D. Balam

1.82-m Plaskett telescope + CCD

GSC

1929 PK	1996 12 14.45009	07 37 40.29	+15 05 41.9	658
1929 PK	1996 12 14.45433	07 37 40.08	+15 05 42.4	658
1929 PK	1996 12 14.45941	07 37 39.81	+15 05 42.9	658
1948 AA	1996 12 14.43755	07 10 31.41	+19 56 07.9	658
1948 AA	1996 12 14.44001	07 10 31.23	+19 56 06.4	658
1948 AA	1996 12 14.44661	07 10 30.74	+19 56 02.5	658
1949 QL	1996 12 14.46469	08 11 34.80	+28 21 08.8	658
1949 QL	1996 12 14.46926	08 11 34.54	+28 21 09.5	658
1949 QL	1996 12 14.47234	08 11 34.43	+28 21 09.5	658
1969 QR	1996 12 14.20668	02 36 41.43	+15 45 52.1	17.8 V 658
1969 QR	1996 12 14.21378	02 36 41.25	+15 45 49.7	658
1969 QR	1996 12 14.22221	02 36 41.17	+15 45 47.2	658
1981 UQ ₁₁	1996 12 14.29865	04 58 09.00	+22 47 12.9	16.1 V 658
1981 UQ ₁₁	1996 12 14.30280	04 58 08.72	+22 47 13.1	658
1981 UQ ₁₁	1996 12 14.30516	04 58 08.56	+22 47 13.2	658
1993 WD	1996 12 14.06206	23 06 23.69	+18 40 23.2	658
1993 WD	1996 12 14.06508	23 06 22.99	+18 40 33.3	658
1993 WD	1996 12 14.06685	23 06 22.59	+18 40 38.8	658
1993 WD	1997 01 14.09392	22 06 08.72	+32 26 03.4	658
1993 WD	1997 01 14.09669	22 06 08.52	+32 26 06.0	658
1993 WD	1997 01 14.09993	22 06 08.29	+32 26 08.3	658
1993 XN ₂	1996 12 14.09924	00 08 10.12	+05 31 03.5	16.1 V 658
1993 XN ₂	1996 12 14.10159	00 08 10.63	+05 31 17.4	658
1993 XN ₂	1996 12 14.10417	00 08 11.18	+05 31 32.0	658
1993 XN ₂	1997 01 14.13977	01 52 06.61	+36 21 53.2	658
1993 XN ₂	1997 01 14.14377	01 52 07.39	+36 22 00.8	658

1993 XN ₂	1997 01 14.14850	01 52 08.28	+36 22 09.4	658	1997 AV ₁₇	1997 01 15.36295	08 01 15.51	+19 56 35.3	658
1994 CA ₁	1997 01 15.30581	03 12 32.61	+13 04 11.0	658	1997 AV ₁₇	1997 01 15.36624	08 01 15.31	+19 56 37.8	658
1994 CA ₁	1997 01 15.31712	03 12 32.81	+13 04 13.1	658	675 Palomar				
1994 CA ₁	1997 01 15.32486	03 12 32.84	+13 04 13.5	658	E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A.				
1996 RJ	1997 01 14.07699	22 30 26.06	+20 22 53.2	658	[efh@alps.jpl.nasa.gov] (2)				
1996 RJ	1997 01 14.07931	22 30 26.15	+20 22 53.4	658	C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A.				
1996 RJ	1997 01 14.08461	22 30 26.39	+20 22 52.7	658	[gshoemaker@iflag2.wr.usgs.gov] (3)				
1996 SY ₄	1996 12 14.12328	00 33 15.49	+01 12 16.4	658	C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The				
1996 SY ₄	1996 12 14.12714	00 33 15.65	+01 12 17.3	658	Netherlands [vanhouten@rnlh11.leidenuniv.nl] (4)				
1996 SY ₄	1996 12 14.13081	00 33 15.85	+01 12 19.0	658	E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001,				
1996 VC	1996 12 14.14377	00 50 35.03	+51 33 53.2	658	U.S.A. [elgb@lowell.edu] (6)				
1996 VC	1996 12 14.14735	00 50 35.14	+51 33 53.3	658	9 = 6+3				
1996 VC	1996 12 14.15373	00 50 35.38	+51 33 53.7	658	Observers S. J. Bus (3, S), T. Gehrels (4, L), E. F. Helin (2, S), H. E. Holt				
1996 VC	1997 01 14.12323	01 47 37.62	+51 46 58.2	658	(3, S), P. Kemchinsky (3, S), K. J. Lawrence (2, S), D. H. Levy (3, S),				
1996 VC	1997 01 14.12816	01 47 38.38	+51 46 57.4	658	T. Melis (3, S), F. J. Mendez (3, S), C. M. Olmstead (3, S), T. Rodriguez				
1996 VC	1997 01 14.13385	01 47 39.33	+51 46 57.6	658	(3, S), F. Salazar (3, S), C. S. Shoemaker (3, S), E. M. Shoemaker (3, S),				
1996 XW ₁	1996 12 14.19545	02 37 07.50	+08 25 36.6	658	P. G. Shoemaker (3, S), B. A. Skiff (3, S), T. B. Spahr (3, S), N. G. Thomas				
1996 XW ₁	1996 12 14.19738	02 37 07.43	+08 25 27.5	658	(3, S), D. K. Williams (3, S), L. A. Zimmerman (3, S)				
1996 XW ₁	1996 12 14.20000	02 37 07.16	+08 25 13.8	658	Measurers J. Hlavac (6), K. J. Lawrence (2), B. A. Skiff (6), C. J. van Houten (4),				
1997 AP ₁₀	1997 01 14.37983	08 02 19.30	+19 44 42.7	658	I. van Houten-Groeneveld (4), A. Wisse (4)				
1997 AP ₁₀	1997 01 14.38484	08 02 18.78	+19 44 43.9	658	1.2-m Oschin Schmidt (L), 0.46-m Schmidt (S)				
1997 AP ₁₀	1997 01 14.38903	08 02 18.25	+19 44 44.6	658	1955 RV	1991 03 09.28889	11 17 44.19	+03 49 01.6	17.8 9 675
1997 AP ₁₀	1997 01 15.37027	08 00 25.57	+19 48 07.4	658	1955 RV	1991 03 09.31788	11 17 42.55	+03 49 13.8	9 675
1997 AP ₁₀	1997 01 15.37366	08 00 25.13	+19 48 08.5	658	1966 BB	1991 10 06.29097	23 27 20.44	-12 06 02.2	18.5 9 675
1997 AP ₁₀	1997 01 15.37683	08 00 24.72	+19 48 09.1	658	1966 BB	1991 10 06.32500	23 27 18.67	-12 06 13.6	9 675
1997 AC ₁₁	1997 01 14.48149	10 26 27.42	+18 45 52.3	658	1970 OB	1993 01 23.46007	10 53 44.94	+13 53 27.0	18.5 9 675
1997 AC ₁₁	1997 01 14.48606	10 26 28.15	+18 46 48.5	658	1970 OB	1993 01 23.49566	10 53 43.74	+13 53 38.0	9 675
1997 AC ₁₁	1997 01 14.48858	10 26 28.62	+18 47 19.5	658	1973 RF	1994 10 01.42274	03 00 32.83	+29 17 59.0	16.8 9 675
1997 AC ₁₁	1997 01 14.49992	10 26 30.57	+18 49 38.3	658	1973 RF	1994 10 01.45990	03 00 31.58	+29 18 19.7	9 675
1997 AC ₁₁	1997 01 14.50304	10 26 31.09	+18 50 17.1	658	1974 QM ₂	1994 07 13.35174	20 26 54.76	-28 38 52.5	9 675
1997 AC ₁₁	1997 01 14.51428	10 26 33.04	+18 52 35.5	658	1974 QM ₂	1994 07 13.38281	20 26 52.79	-28 38 53.0	16.2 9 675
1997 AC ₁₁	1997 01 14.52784	10 26 35.38	+18 55 22.1	658	1975 EA ₃	1991 10 07.41684	02 17 30.63	+13 40 32.9	18.5 9 675
1997 AE ₁₂	1997 01 15.50689	09 28 35.18	+14 21 51.9	658	1975 EA ₃	1991 10 07.45260	02 17 28.71	+13 40 26.5	9 675
1997 AE ₁₂	1997 01 15.50946	09 28 34.94	+14 21 52.8	658	1976 GL ₈	1994 11 27.29028	03 50 08.63	+25 13 31.7	17.2 9 675
1997 AE ₁₂	1997 01 15.51978	09 28 34.20	+14 21 54.4	658	1976 GL ₈	1994 11 27.32205	03 50 06.61	+25 13 22.7	9 675
1997 AB ₁₅	1997 01 14.35584	07 33 16.13	+22 08 50.1	658	1976 QL ₂	1994 11 27.29028	03 34 29.62	+25 39 17.7	9 675
1997 AB ₁₅	1997 01 14.35865	07 33 15.86	+22 08 57.3	658	1976 QL ₂	1994 11 27.32205	03 34 27.81	+25 39 17.8	9 675
1997 AB ₁₅	1997 01 14.36631	07 33 14.95	+22 09 17.5	658	1976 YG ₁	1991 10 07.41684	02 27 01.21	+09 21 58.1	18.0 9 675
1997 AB ₁₅	1997 01 15.33110	07 31 31.08	+22 50 03.2	658	1977 UD	1988 08 16.38194	22 40 44.55	-15 30 19.4	17.5 9 675
1997 AB ₁₅	1997 01 15.33465	07 31 30.62	+22 50 12.0	658	1977 UD	1988 08 16.41233	22 40 42.98	-15 30 30.6	9 675
1997 AB ₁₅	1997 01 15.33740	07 31 30.30	+22 50 19.3	658	1977 UD	1988 09 11.21623	22 16 40.72	-17 44 15.4	17.8 9 675
1997 AB ₁₅	1997 01 15.34039	07 31 29.98	+22 50 26.9	658	1977 UD	1988 09 11.24931	22 16 38.90	-17 44 22.6	9 675
1997 AU ₁₇	* 1997 01 14.35584	07 33 16.88	+22 06 16.4	658	1978 PW ₃	1982 08 19.45486	00 01 56.62	+01 04 15.9	17.8 9 675
1997 AU ₁₇	1997 01 14.35865	07 33 16.70	+22 06 18.0	658	1978 PW ₃	1982 08 19.48194	00 01 56.01	+01 04 07.4	9 675
1997 AU ₁₇	1997 01 14.36631	07 33 16.20	+22 06 18.8	658	1978 RL ₇	1988 09 10.30677	22 56 12.36	-05 18 01.8	18.2 9 675
1997 AU ₁₇	1997 01 15.34516	07 32 11.62	+22 10 27.6	658	1978 RL ₇	1988 09 10.34444	22 56 10.59	-05 18 14.3	9 675
1997 AU ₁₇	1997 01 15.34833	07 32 11.38	+22 10 28.0	658	1978 RD ₁₀	1988 09 12.25417	22 07 42.86	-10 50 38.6	18.0 9 675
1997 AU ₁₇	1997 01 15.35203	07 32 11.14	+22 10 29.0	658	1978 RD ₁₀	1988 09 12.28837	22 07 41.42	-10 50 49.0	9 675
1997 AV ₁₇	* 1997 01 14.37983	08 02 12.81	+19 43 57.5	658	1978 RD ₁₀	1991 03 09.31788	11 44 24.76	+01 57 27.9	18.2 9 675
1997 AV ₁₇	1997 01 14.38484	08 02 12.54	+19 44 01.0	658	1978 SJ ₅	1989 09 02.44931	00 13 36.90	-07 14 53.9	9 675
1997 AV ₁₇	1997 01 14.38903	08 02 12.26	+19 44 04.6	658	1978 SJ ₅	1989 09 02.48160	00 13 35.55	-07 14 58.2	17.0 9 675
1997 AV ₁₇	1997 01 15.35977	08 01 15.72	+19 56 33.1	658	1978 TD ₂	1994 01 07.35642	07 11 10.77	+24 53 27.4	9 675

1978 TD ₂	1994 01 07.38646	07 11 08.89	+24 53 31.9		9 675	1981 ED ₂₄	1991 04 16.16354	10 59 03.69	+08 33 35.7	19.0	9 675
1978 TL ₄	1994 07 13.35174	20 40 29.67	-33 18 46.2	18.0	9 675	1981 EX ₂₆	1993 09 20.21250	22 48 27.68	-04 32 11.2	17.5	9 675
1978 TL ₄	1994 07 13.38281	20 40 28.26	-33 18 54.2		9 675	1981 EX ₂₆	1993 09 20.25052	22 48 25.99	-04 32 27.1		9 675
1978 TH ₇	1991 04 16.16354	11 10 51.98	+12 05 45.3	18.2	9 675	1981 EQ ₂₈	1994 01 07.35642	07 20 33.72	+17 41 21.0	17.2	9 675
1978 TH ₇	1991 04 16.19306	11 10 51.26	+12 05 49.9		9 675	1981 EQ ₂₈	1994 01 07.38646	07 20 31.93	+17 41 27.1		9 675
1978 UF ₆	1988 09 11.22396	22 50 07.24	-11 58 21.7	17.0	9 675	1981 EP ₃₀	1989 11 06.29097	01 22 52.60	-07 47 26.2	18.5	9 675
1978 UF ₆	1988 09 11.25712	22 50 05.11	-11 58 23.8		9 675	1981 EP ₃₀	1989 11 06.32170	01 22 51.57	-07 47 36.1		9 675
1978 VT ₄	1991 03 09.28889	11 48 14.90	+02 57 59.2	18.8	9 675	1981 EW ₃₁	1989 11 06.29097	01 02 47.47	-02 18 10.2	18.8	9 675
1978 VT ₄	1991 03 09.31788	11 48 13.36	+02 58 06.7		9 675	1981 EW ₃₁	1989 11 06.32170	01 02 46.46	-02 18 19.2		9 675
1978 VA ₆	1988 08 16.38194	22 26 40.82	-13 05 04.4	18.5	9 675	1981 EY ₃₉	1991 03 09.28889	11 25 11.05	+03 01 31.5	19.0	9 675
1978 VA ₆	1988 08 16.41233	22 26 39.42	-13 05 12.3		9 675	1981 EY ₃₉	1991 03 09.31788	11 25 09.23	+03 01 41.8		9 675
1978 VA ₆	1988 09 11.21623	22 07 52.65	-14 45 12.0	18.8	9 675	1981 EN ₄₅	1994 01 07.35642	07 36 50.93	+23 20 05.9		9 675
1978 VA ₆	1988 09 11.24931	22 07 51.35	-14 45 16.0		9 675	1981 EN ₄₅	1994 01 07.38646	07 36 48.67	+23 20 06.4		9 675
1978 VA ₆	1988 09 12.25417	22 07 13.42	-14 48 08.7	18.8	9 675	1981 FL	1993 09 20.21250	22 45 06.56	-04 00 25.0	19.0	9 675
1978 VA ₆	1988 09 12.28837	22 07 12.18	-14 48 14.0		9 675	1981 FL	1993 09 20.25052	22 45 04.81	-04 00 46.0		9 675
1978 VZ ₇	1988 08 16.38194	22 30 39.50	-10 54 37.4	17.8	9 675	1981 GG	1992 11 26.32483	03 39 00.96	+29 14 56.8	18.0	9 675
1978 VZ ₇	1988 08 16.41233	22 30 38.14	-10 54 44.7		9 675	1981 GG	1992 11 26.35660	03 38 58.59	+29 14 57.5		9 675
1978 VZ ₇	1988 09 12.25417	22 11 16.20	-12 33 29.1	18.5	9 675	1981 JB ₂	1994 10 03.32986	00 48 46.08	-06 45 50.3	17.5	9 675
1978 VZ ₇	1988 09 12.28837	22 11 14.88	-12 33 34.2		9 675	1981 JB ₂	1994 10 03.35990	00 48 44.56	-06 45 54.1		9 675
1978 VW ₈	1988 08 16.38194	22 25 13.36	-13 42 10.4	18.0	9 675	1981 JE ₂	1989 09 02.44931	00 24 41.66	-03 18 24.6		9 675
1978 VW ₈	1988 08 16.41233	22 25 11.95	-13 42 18.4		9 675	1981 JE ₂	1989 09 02.48160	00 24 40.32	-03 18 33.2	17.0	9 675
1978 VW ₈	1988 09 11.21623	22 05 49.96	-15 33 36.2	18.2	9 675	1981 QR ₃	1994 10 01.42274	02 58 25.11	+30 41 50.3		9 675
1978 VW ₈	1988 09 11.24931	22 05 48.49	-15 33 41.6		9 675	1981 QR ₃	1994 10 01.45990	02 58 23.65	+30 42 01.1		9 675
1979 FD ₃	1992 02 04.33594	08 00 35.54	+20 24 28.9	17.5	9 675	1981 RF	1994 01 07.35642	07 09 05.01	+21 20 44.3	17.8	9 675
1979 KQ	1994 11 27.29809	04 03 56.75	+13 06 11.8	18.5	9 675	1981 RF	1994 01 07.38646	07 09 03.00	+21 20 51.6		9 675
1979 KQ	1994 11 27.32917	04 03 54.93	+13 06 05.1		9 675	1981 RJ ₅	1994 01 07.35642	07 20 40.35	+21 06 03.1	17.5	9 675
1980 FH ₅	1994 07 12.37535	21 05 04.25	-33 54 46.0	18.2	9 675	1981 RJ ₅	1994 01 07.38646	07 20 38.50	+21 06 06.2		9 675
1980 FH ₅	1994 07 12.40712	21 05 02.34	-33 54 51.6		9 675	1981 SE	1991 03 09.28889	11 48 12.07	+01 50 34.2	17.5	9 675
1980 SM	1991 03 09.28889	11 33 55.81	-00 07 56.5	18.5	9 675	1981 SE	1991 03 09.31788	11 48 10.59	+01 50 44.3		9 675
1980 SM	1991 03 09.31788	11 33 54.36	-00 07 50.6		9 675	1981 SZ ₆	1988 08 16.38194	22 31 46.41	-13 31 59.3	17.2	9 675
1980 VG	1991 01 11.37344	07 40 28.73	+27 28 52.0		2 675	1981 SZ ₆	1988 08 16.41233	22 31 44.86	-13 32 09.4		9 675
1980 VG	1991 01 11.40069	07 40 26.97	+27 28 53.6		2 675	1981 SZ ₆	1988 09 11.21623	22 09 05.53	-15 45 11.7		9 675
1980 VG	1991 01 14.34670	07 37 16.46	+27 29 14.8		2 675	1981 SZ ₆	1988 09 11.24931	22 09 03.75	-15 45 17.6	17.5	9 675
1980 VG	1991 01 14.37049	07 37 14.84	+27 29 14.7		2 675	1981 UQ ₁₁	1988 08 16.38194	22 50 18.70	-13 58 55.7	17.2	9 675
1981 DX	1993 04 19.36788	15 01 38.74	-24 18 41.0	18.5	9 675	1981 UQ ₁₁	1988 08 16.41233	22 50 17.13	-13 59 06.8		9 675
1981 DX	1993 04 19.39821	15 01 37.46	-24 18 36.6		9 675	1981 UQ ₁₁	1988 09 11.22396	22 26 47.55	-16 28 03.0	17.5	9 675
1981 EG ₁	1994 05 10.34514	15 09 05.34	-20 40 56.8	17.5	9 675	1981 US ₁₄	1994 01 07.35642	07 35 35.37	+23 53 39.6	18.0	9 675
1981 EG ₁	1994 05 10.37656	15 09 03.56	-20 40 50.5		9 675	1981 US ₁₄	1994 01 07.38646	07 35 33.39	+23 53 45.9		9 675
1981 EG ₁	1994 06 08.24132	14 45 42.21	-19 34 17.2	17.5	9 675	1981 UW ₂₁	1992 02 04.33594	08 12 16.08	+20 02 28.4		9 675
1981 EG ₁	1994 06 08.27083	14 45 41.15	-19 34 14.2		9 675	1982 BM	1993 09 20.21250	22 49 33.03	-04 00 02.3	18.5	9 675
1981 EF ₂	1992 02 04.30365	08 07 38.62	+19 12 40.5	17.5	9 675	1982 BM	1993 09 20.25052	22 49 31.27	-04 00 14.9		9 675
1981 EF ₂	1992 02 04.33594	08 07 36.57	+19 12 41.7		9 675	1982 RW ₁	1982 08 19.45486	00 10 40.01	-03 58 31.7		9 675
1981 EH ₃	1994 10 01.42274	02 53 54.83	+26 17 53.2		9 675	1982 RW ₁	1982 08 19.48194	00 10 39.58	-03 58 31.4	17.8	9 675
1981 EH ₃	1994 10 01.45990	02 53 54.03	+26 17 53.6		9 675	1982 SC	1982 08 19.45486	23 58 59.08	-02 10 02.9		9 675
1981 EU ₁₉	1989 09 27.28976	23 44 20.30	+00 51 30.9	18.0	9 675	1982 SC	1982 08 19.48194	23 58 58.29	-02 09 56.8		9 675
1981 EU ₁₉	1989 09 27.31615	23 44 18.67	+00 51 25.5		9 675	1982 SC	1982 09 20.44514	23 31 36.18	-00 33 37.2		9 675
1981 EO ₂₀	1989 09 27.28976	00 07 30.25	-00 29 44.3	17.8	9 675	1982 SC	1982 09 20.47361	23 31 34.47	-00 33 34.5		9 675
1981 EO ₂₀	1989 09 27.31615	00 07 28.73	-00 29 56.9		9 675	1983 UG	1993 09 18.26806	23 47 01.75	-15 38 59.0	16.0	9 675
1981 EH ₂₁	1989 09 27.28976	00 03 55.19	-01 36 26.4	18.0	9 675	1983 UG	1993 09 18.30642	23 46 59.64	-15 39 08.9		9 675
1981 EH ₂₁	1989 09 27.31615	00 03 54.08	-01 36 43.3		9 675	1984 CM	1991 12 03.38351	05 48 36.56	+36 43 31.2		9 675
1981 EH ₂₁	1993 04 18.34948	14 34 37.06	+04 30 00.5		9 675	1984 CM	1991 12 03.41701	05 48 34.10	+36 43 38.6	17.2	9 675
1981 EH ₂₁	1993 04 18.38177	14 34 35.76	+04 30 18.7	18.5	9 675	1984 CM	1994 07 12.37535	20 55 45.32	-33 08 47.8	17.8	9 675

1984 CM	1994 07 12.40712	20 55 43.88	-33 08 55.2		9 675	1986 VY	1993 09 20.25052	22 53 09.59	-05 28 12.1		9 675
1984 CP	1993 09 18.26806	23 45 37.09	-11 16 27.2	18.0	9 675	1986 XF ₁	1993 09 20.21250	22 46 09.14	-02 55 54.9	16.5	9 675
1984 CP	1993 09 18.30642	23 45 34.90	-11 16 44.3		9 675	1986 XF ₁	1993 09 20.25052	22 46 07.31	-02 56 05.2		9 675
1984 EX	1993 01 23.46007	10 37 47.65	+11 55 08.9	17.8	9 675	1987 HK	1994 01 07.35642	07 31 57.86	+22 24 57.9	18.2	9 675
1984 EX	1993 01 23.49566	10 37 46.60	+11 55 13.5		9 675	1987 HK	1994 01 07.38646	07 31 55.97	+22 25 02.1		9 675
1984 SL ₃	1991 12 03.38351	05 55 14.42	+33 42 10.2	16.2	9 675	1987 JG	1994 05 10.34514	14 59 57.70	-20 26 13.5	17.8	9 675
1984 SL ₃	1991 12 03.41701	05 55 11.79	+33 42 15.5		9 675	1987 JG	1994 05 10.37656	14 59 55.77	-20 25 57.2		9 675
1984 UR	1991 10 06.29097	23 38 49.20	-13 56 32.9	16.2	9 675	1987 JG	1994 06 08.24132	14 38 55.86	-16 56 51.4	18.0	9 675
1984 UR	1991 10 06.32500	23 38 47.52	-13 56 27.1		9 675	1987 JG	1994 06 08.27083	14 38 55.04	-16 56 41.7		9 675
1984 UR	1993 01 23.46007	10 41 19.47	+19 58 32.7	18.5	9 675	1987 QW ₇	1994 05 10.34514	15 16 16.79	-17 51 08.4	18.5	9 675
1984 UR	1993 01 23.49566	10 41 18.06	+19 58 45.1		9 675	1987 QW ₇	1994 06 08.24132	14 51 02.37	-15 47 59.1	19.0	9 675
1984 UX ₂	1991 04 16.16354	11 14 44.39	+10 31 56.0	18.8	9 675	1987 QW ₇	1994 06 08.27083	14 51 01.07	-15 47 54.2		9 675
1984 UX ₂	1991 04 16.19306	11 14 43.31	+10 31 53.8		9 675	1987 SB ₃	1994 11 27.29028	04 07 17.37	+27 04 36.2	18.0	9 675
1985 GA ₁	1989 09 30.34010	00 52 22.57	-04 09 27.9	16.8	9 675	1987 SB ₃	1994 11 27.32205	04 07 14.81	+27 04 35.3		9 675
1985 GA ₁	1989 09 30.37500	00 52 20.42	-04 09 44.5		9 675	1987 SG ₃	1990 04 01.43212	13 01 27.32	-01 59 52.8	18.0	9 675
1985 JG	1985 05 24.31950	15 05 37.85	-10 18 40.8	16.8	9 675	1987 SG ₃	1990 04 01.47778	13 01 24.87	-01 59 06.9		9 675
1985 JG	1985 05 24.34317	15 05 36.27	-10 18 51.8		9 675	1987 US ₄	1987 11 26.32292	02 02 33.48	+17 15 44.4		9 675
1985 JK	1985 05 24.31950	15 11 37.22	-08 54 48.2		9 675	1987 US ₄	1987 11 26.35694	02 02 32.70	+17 15 39.8		9 675
1985 JK	1985 05 24.34317	15 11 35.86	-08 54 46.8		9 675	1987 VL ₁	1987 11 26.32292	01 48 32.16	+20 24 30.4	17.0	9 675
1985 JK	1989 07 05.40399	21 06 59.20	-18 33 40.1	17.8	9 675	1987 VL ₁	1987 11 26.35694	01 48 31.37	+20 24 18.6		9 675
1985 JK	1989 07 05.43628	21 06 57.98	-18 33 55.7		9 675	1987 YS ₁	1954 11 24.17708	02 18 39.26	-07 30 37.6	17.5	9 675
1985 JM	1985 05 24.31950	15 18 28.89	-09 48 25.6	17.0	9 675	1987 YS ₁	1954 11 24.20035	02 18 38.37	-07 30 37.7		9 675
1985 JM	1985 05 24.34317	15 18 27.58	-09 48 14.0		9 675	1987 YS ₁	1993 04 18.34948	14 33 23.38	+04 23 44.3	17.5	9 675
1985 JU ₁	1994 01 07.35642	07 29 09.68	+24 32 51.7	17.8	9 675	1987 YS ₁	1993 04 18.38177	14 33 21.78	+04 23 57.8		9 675
1985 JU ₁	1994 01 07.38646	07 29 07.50	+24 33 01.4		9 675	1988 BX ₃	1993 09 20.21250	22 49 13.58	+01 51 56.4	18.5	9 675
1985 PH	1985 09 21.22031	21 32 57.07	-05 37 17.7	16.5	9 675	1988 BX ₃	1993 09 20.25052	22 49 11.63	+01 51 37.4		9 675
1985 PH	1985 09 21.25694	21 32 56.00	-05 37 12.5		9 675	1988 CT ₂	1985 05 24.31950	15 01 25.02	-11 56 39.6		9 675
1985 QX ₄	1990 04 01.43212	13 25 29.06	-04 08 07.7	17.5	9 675	1988 CT ₂	1985 05 24.34317	15 01 23.69	-11 56 37.4		9 675
1985 QX ₄	1990 04 01.47778	13 25 27.44	-04 07 53.1		9 675	1988 DD	1993 09 18.30642	00 08 13.91	-13 52 42.4		9 675
1985 QX ₄	1994 11 27.29809	04 08 34.72	+10 04 41.5	17.5	9 675	1988 DL ₁	1988 02 11.37083	10 25 26.56	+07 17 45.4	16.5	2 675
1985 QX ₄	1994 11 27.32917	04 08 33.42	+10 04 35.8		9 675	1988 DL ₁	1988 02 11.38819	10 25 25.84	+07 18 04.7		2 675
1985 RW ₂	1992 02 04.30365	07 42 48.13	+22 25 45.4	18.5	9 675	1988 DL ₁	1988 03 12.13819	10 02 36.62	+18 38 50.4	16.5	2 675
1985 RW ₂	1992 02 04.33594	07 42 46.53	+22 25 47.3		9 675	1988 DL ₁	1988 03 12.16094	10 02 35.74	+18 39 19.3		2 675
1985 SB	1989 11 28.21771	02 44 33.65	+25 48 03.7	17.0	9 675	1988 FF	1994 10 03.32986	00 39 16.14	-10 25 23.2	17.5	9 675
1985 SB	1989 11 28.26406	02 44 31.22	+25 47 50.8		9 675	1988 FF	1994 10 03.35990	00 39 14.59	-10 25 29.9		9 675
1985 TW	1989 11 28.36840	04 51 30.13	+24 36 07.4	18.0	9 675	1988 FT ₃	* 1988 03 18.39931	12 36 25.99	+17 22 30.2	17.0	9 675
1985 TW	1989 11 28.40712	04 51 27.36	+24 36 04.1		9 675	1988 FT ₃	1988 03 18.42865	12 36 24.36	+17 22 40.1		9 675
1985 TW	1994 01 07.35642	07 19 58.99	+24 17 22.4	18.0	9 675	1988 GQ	1988 03 18.39931	12 43 25.80	+15 55 59.6	16.8	9 675
1985 TW	1994 01 07.38646	07 19 57.03	+24 17 27.7		9 675	1988 GQ	1988 03 18.42865	12 43 24.54	+15 56 18.0		9 675
1985 UC	1989 09 02.44931	00 30 38.50	-07 47 07.2	17.0	9 675	1988 PK	1988 09 12.25417	21 56 54.04	-11 46 14.9	17.2	9 675
1985 UC	1989 09 02.48160	00 30 36.54	-07 47 02.0		9 675	1988 PK	1988 09 12.28837	21 56 53.10	-11 46 27.7		9 675
1985 UG ₂	1988 09 12.25417	22 09 33.79	-12 00 28.6	17.5	9 675	1988 PW	1988 09 11.21623	22 17 17.11	-18 40 05.8	16.0	9 675
1985 UG ₂	1988 09 12.28837	22 09 32.06	-12 00 40.3		9 675	1988 PX	1988 09 11.21623	22 20 28.49	-19 28 11.7	17.5	9 675
1986 EQ ₂	1988 08 16.31441	21 18 36.19	-13 51 53.6	17.2	9 675	1988 QF	1988 09 11.25712	22 47 14.99	-15 06 15.9		9 675
1986 EQ ₂	1988 08 16.34878	21 18 34.47	-13 52 02.1		9 675	1988 QN ₁	* 1988 08 16.31441	21 35 17.39	-12 45 25.7	16.2	9 675
1986 QS	1993 01 23.46007	10 48 12.64	+12 47 29.7	18.2	9 675	1988 QN ₁	1988 08 16.34878	21 35 15.56	-12 45 43.7		9 675
1986 QS	1993 01 23.49566	10 48 11.38	+12 47 33.8		9 675	1988 QO ₁	* 1988 08 16.38194	22 35 06.12	-16 48 03.1	17.5	9 675
1986 QY	1991 10 07.41684	02 19 26.20	+15 59 44.1		9 675	1988 QO ₁	1988 08 16.41233	22 35 04.64	-16 48 15.6		9 675
1986 QY	1991 10 07.45260	02 19 24.61	+15 59 43.2		9 675	1988 QO ₁	1988 09 11.21623	22 14 22.35	-19 07 23.9	17.8	9 675
1986 QZ ₂	1993 01 23.46007	10 54 07.96	+18 05 05.7	18.2	9 675	1988 QO ₁	1988 09 11.24931	22 14 20.78	-19 07 30.0		9 675
1986 QZ ₂	1993 01 23.49566	10 54 06.95	+18 05 09.8		9 675	1988 QP ₁	* 1988 08 16.31441	21 37 43.25	-07 39 22.8	17.5	9 675
1986 VY	1993 09 20.21250	22 53 11.83	-05 28 05.9	17.2	9 675	1988 QP ₁	1988 08 16.34878	21 37 41.23	-07 39 29.8		9 675

1988 QQ ₁	* 1988 08 16.31441	21 29 37.14	-10 01 31.0	15.5	9 675	1988 RX ₁₀	1988 09 11.25712	22 45 02.25	-10 45 34.4		9 675
1988 QQ ₁	1988 08 16.34878	21 29 35.55	-10 01 57.6		9 675	1988 RY ₁₀	1988 09 11.22396	22 44 25.93	-10 16 16.0	18.8	9 675
1988 RD ₁	1991 02 10.47865	11 31 09.75	-03 20 03.8	18.5	9 675	1988 RY ₁₀	1988 09 11.25712	22 44 24.80	-10 16 23.1		9 675
1988 RD ₁	1991 02 10.53073	11 31 07.83	-03 20 00.4		9 675	1988 RA ₁₁	1988 09 11.22396	22 45 22.62	-11 06 22.3	18.0	9 675
1988 RF ₄	1988 08 16.38194	22 21 51.09	-12 53 28.6		9 675	1988 RA ₁₁	1988 09 11.25712	22 45 21.23	-11 06 31.3		9 675
1988 RF ₄	1988 08 16.41233	22 21 49.22	-12 53 28.4	17.0	9 675	1988 RT ₁₂	1988 09 10.30677	23 02 52.13	-01 23 48.5		9 675
1988 RF ₄	1988 09 12.25417	21 57 38.30	-13 01 43.1	17.5	9 675	1988 RT ₁₂	1988 09 10.34444	23 02 51.00	-01 23 57.7	18.8	9 675
1988 RF ₄	1988 09 12.28837	21 57 36.75	-13 01 40.5		9 675	1988 RV ₁₂	1989 11 22.27101	01 50 26.65	+01 00 25.2	18.2	9 675
1988 RH ₄	1988 09 11.21623	22 00 08.52	-16 45 32.6	17.5	9 675	1988 RV ₁₂	1989 11 22.30694	01 50 25.81	+01 00 16.5		9 675
1988 RH ₄	1988 09 11.24931	22 00 07.12	-16 45 24.0		9 675	1988 RX ₁₂	1991 02 10.47865	11 17 45.63	-03 09 02.8	18.5	9 675
1988 RY ₄	1988 09 11.21623	21 53 00.26	-17 07 31.0	18.8	9 675	1988 RK ₁₄	* 1988 09 12.25417	22 24 08.57	-13 46 02.5	17.8	9 675
1988 RZ ₄	1988 09 11.21623	21 56 04.06	-20 55 15.4	17.2	9 675	1988 RK ₁₄	1988 09 12.28837	22 24 06.93	-13 46 17.2		9 675
1988 RZ ₄	1988 09 11.24931	21 56 02.73	-20 55 25.9		9 675	1988 RL ₁₄	* 1988 09 10.30677	22 46 12.51	-01 01 37.0	17.8	9 675
1988 RB ₅	1988 08 16.38194	22 40 13.20	-16 55 42.0		9 675	1988 RL ₁₄	1988 09 10.34444	22 46 10.49	-01 01 51.9	17.8	9 675
1988 RB ₅	1988 08 16.41233	22 40 11.64	-16 55 58.9		9 675	1988 TW ₂	1992 11 26.32483	03 37 05.34	+28 52 50.8	17.0	9 675
1988 RB ₅	1988 09 11.21623	22 18 01.54	-20 30 55.2	17.5	9 675	1988 VT ₁	1993 09 20.21250	22 34 24.08	-04 45 20.6	17.8	9 675
1988 RB ₅	1988 09 11.24931	22 17 59.81	-20 31 07.7		9 675	1989 EH ₁	1985 05 24.31950	15 13 48.24	-11 33 10.9	17.8	9 675
1988 RC ₅	1988 09 11.21623	22 18 06.23	-21 21 54.9		9 675	1989 EH ₁	1985 05 24.34317	15 13 46.96	-11 33 06.1		9 675
1988 RC ₅	1988 09 11.24931	22 18 04.66	-21 21 55.9		9 675	1989 EH ₁₂	* 1989 03 09.40174	11 46 48.97	-07 45 46.5	17.5	9 675
1988 RE ₅	1988 08 16.38194	22 36 03.00	-12 18 56.0	16.5	9 675	1989 EH ₁₂	1989 03 09.43281	11 46 47.64	-07 45 34.7		9 675
1988 RE ₅	1988 08 16.41233	22 36 01.59	-12 19 09.0		9 675	1989 EJ ₁₂	* 1989 03 07.41510	11 36 44.81	-03 36 12.0	18.5	9 675
1988 RE ₅	1988 09 11.21623	22 16 00.96	-15 06 07.1	17.5	9 675	1989 EJ ₁₂	1989 03 07.44514	11 36 42.99	-03 36 05.2		9 675
1988 RN ₅	1988 09 10.30677	22 44 19.84	-03 36 09.1		9 675	1989 GC ₁	1993 04 19.36788	15 06 20.26	-22 05 33.1	19.0	9 675
1988 RN ₅	1988 09 10.34444	22 44 17.96	-03 36 21.0	17.5	9 675	1989 OL	1994 11 27.29028	04 10 18.96	+27 45 20.6		9 675
1988 RR ₅	1988 09 11.22396	22 41 17.49	-11 04 07.6	17.0	9 675	1989 OL	1994 11 27.32205	04 10 16.66	+27 45 23.4		9 675
1988 RR ₅	1988 09 11.25712	22 41 15.53	-11 04 15.1		9 675	1989 RP ₁	1989 09 02.44931	00 12 05.16	-02 41 59.3	16.5	9 675
1988 RY ₅	1988 09 12.25417	22 07 51.12	-09 56 34.5	17.2	9 675	1989 RP ₁	1989 09 02.48160	00 12 04.26	-02 42 24.6		9 675
1988 RY ₅	1988 09 12.28837	22 07 49.75	-09 56 44.0		9 675	1989 RQ ₁	1989 09 02.44931	00 22 20.64	-02 56 23.4		9 675
1988 RZ ₅	1988 09 12.25417	22 07 55.64	-10 11 05.7	17.2	9 675	1989 RQ ₁	1989 09 02.48160	00 22 20.43	-02 56 47.2		9 675
1988 RZ ₅	1988 09 12.28837	22 07 54.21	-10 11 17.9		9 675	1989 RT ₁	1989 09 02.44931	00 29 53.41	-00 58 33.9	17.2	9 675
1988 RA ₆	1988 08 16.38194	22 32 53.45	-11 02 23.1	16.8	9 675	1989 RT ₁	1989 09 02.48160	00 29 51.72	-00 58 12.3		9 675
1988 RA ₆	1988 08 16.41233	22 32 51.69	-11 02 18.8		9 675	1989 RT ₁	1989 09 27.28976	00 02 26.87	+03 34 57.5	17.5	9 675
1988 RA ₆	1988 09 12.25417	22 07 17.59	-10 05 50.1	17.2	9 675	1989 RT ₁	1989 09 27.31615	00 02 24.79	+03 35 13.7		9 675
1988 RA ₆	1988 09 12.28837	22 07 15.81	-10 05 44.0		9 675	1989 RN ₂	1989 09 27.28976	23 56 12.58	+03 27 22.4	17.2	9 675
1988 RC ₆	1988 09 11.21623	21 56 24.35	-21 27 03.6	17.2	9 675	1989 RN ₂	1989 09 27.31615	23 56 11.14	+03 27 21.3		9 675
1988 RC ₆	1988 09 11.24931	21 56 23.09	-21 27 14.8		9 675	1989 RV ₂	1989 09 02.44931	00 18 21.06	-08 36 00.5	16.8	9 675
1988 RE ₆	1988 09 11.22396	22 46 04.25	-11 34 06.1	17.5	9 675	1989 RV ₂	1989 09 02.48160	00 18 19.71	-08 36 07.3		9 675
1988 RE ₆	1988 09 11.25712	22 46 02.25	-11 34 17.3		9 675	1989 RA ₆	* 1989 09 02.44931	00 24 02.18	-08 30 57.9	17.8	9 675
1988 RF ₆	1988 09 11.22396	22 49 52.06	-11 19 21.3	18.2	9 675	1989 RA ₆	1989 09 02.48160	00 24 00.69	-08 31 07.6		9 675
1988 RF ₆	1988 09 11.25712	22 49 50.19	-11 19 33.1		9 675	1989 SB	1989 09 27.28976	00 02 05.54	+02 05 06.0	16.0	9 675
1988 RF ₉	1988 08 16.38194	22 42 08.62	-12 16 18.8	18.0	9 675	1989 SB	1989 09 27.31615	00 02 03.92	+02 05 02.0		9 675
1988 RF ₉	1988 08 16.41233	22 42 06.82	-12 16 31.0		9 675	1989 SC	1989 09 27.28976	23 54 49.02	+01 17 24.5	16.5	9 675
1988 RF ₉	1988 09 12.25417	22 16 56.97	-14 55 02.7	17.8	9 675	1989 SC	1989 09 27.31615	23 54 47.20	+01 17 22.0		9 675
1988 RF ₉	1988 09 12.28837	22 16 55.19	-14 55 10.9		9 675	1989 SG	1989 09 27.28976	23 53 34.59	+00 11 45.7	16.2	9 675
1988 RG ₉	1988 08 16.38194	22 30 23.61	-12 26 25.9	17.8	9 675	1989 SQ	1994 01 07.35642	07 06 46.96	+24 55 43.2	16.2	9 675
1988 RG ₉	1988 08 16.41233	22 30 21.99	-12 26 39.3		9 675	1989 SQ	1994 01 07.38646	07 06 44.81	+24 55 39.3		9 675
1988 RG ₉	1988 09 11.21623	22 07 48.63	-15 22 29.3	18.2	9 675	1989 SX	1991 04 16.16354	11 13 09.60	+10 05 00.4	19.0	9 675
1988 RG ₉	1988 09 11.24931	22 07 47.04	-15 22 39.3		9 675	1989 SX	1991 04 16.19306	11 13 08.60	+10 05 04.2		9 675
1988 RK ₉	1988 08 16.31441	21 20 58.67	-13 13 00.3	16.8	9 675	1989 SC ₁	1989 09 27.28976	23 43 52.06	+01 43 18.2	16.2	9 675
1988 RK ₉	1988 08 16.34878	21 20 57.15	-13 13 19.9		9 675	1989 SC ₁	1989 09 27.31615	23 43 50.65	+01 43 10.3		9 675
1988 RE ₁₀	1988 09 12.25417	22 26 57.73	-09 42 39.6	17.5	9 675	1989 SX ₂	1989 11 06.29097	01 09 40.55	-02 58 04.3	18.5	9 675
1988 RE ₁₀	1988 09 12.28837	22 26 56.39	-09 42 54.2		9 675	1989 SX ₂	1989 11 06.32170	01 09 39.45	-02 58 07.3		9 675

1989 SY ₂	1989 11 06.29097	01 11 04.80	-00 54 50.6		9 675	1989 WS ₇	* 1989 11 28.36840	04 37 22.71	+25 38 22.8		9 675
1989 SY ₂	1989 11 06.32170	01 11 03.66	-00 54 55.9		9 675	1989 WS ₇	1989 11 28.40712	04 37 19.90	+25 38 17.9	19.0	9 675
1989 SZ ₂	1989 11 06.29097	01 13 52.48	-02 08 50.5	18.0	9 675	1989 YA ₂	1988 09 10.30677	22 50 07.42	+00 43 39.2		9 675
1989 SZ ₂	1989 11 06.32170	01 13 51.63	-02 09 01.4		9 675	1989 YA ₂	1988 09 10.34444	22 50 05.42	+00 43 30.4		9 675
1989 SP ₃	1989 11 06.29097	01 07 29.98	-03 06 13.5		9 675	1990 BY ₁	1988 09 10.30677	22 32 12.54	-03 51 29.8		9 675
1989 SP ₃	1989 11 06.32170	01 07 28.60	-03 06 36.4	18.8	9 675	1990 BY ₁	1988 09 10.34444	22 32 10.50	-03 51 42.4	18.5	9 675
1989 SO ₅	1989 09 27.28976	23 57 18.40	+03 30 46.7	19.0	9 675	1990 FK ₁	1990 04 01.43212	13 07 08.80	-00 50 58.1	16.8	9 675
1989 SO ₅	1989 09 27.31615	23 57 16.89	+03 30 39.1		9 675	1990 FK ₁	1990 04 01.47778	13 07 06.95	-00 50 35.2		9 675
1989 SW ₈	1989 09 27.28976	00 02 32.47	+00 40 55.4	16.8	9 675	1990 HJ	1990 04 01.43212	13 19 28.31	-03 49 51.1	17.2	9 675
1989 SW ₈	1989 09 27.31615	00 02 31.38	+00 40 34.4		9 675	1990 HJ	1990 04 01.47778	13 19 25.74	-03 49 41.5		9 675
1989 SH ₁₂	1989 09 27.28976	00 09 50.60	+02 47 23.4	18.2	9 675	1990 OW ₂	1994 11 27.29809	03 49 21.31	+14 19 38.2	16.8	9 675
1989 SH ₁₂	1989 09 27.31615	00 09 49.16	+02 47 15.0		9 675	1990 OW ₂	1994 11 27.32917	03 49 19.18	+14 19 44.0		9 675
1989 SJ ₁₂	1989 09 27.28976	00 11 25.60	+02 06 38.6	18.0	9 675	1990 OZ ₅	* 1990 07 21.41111	21 11 39.62	-25 03 12.3	15.5	2 675
1989 SJ ₁₂	1989 09 27.31615	00 11 24.01	+02 06 40.3		9 675	1990 OZ ₅	1990 07 21.43889	21 11 37.97	-25 03 21.2		2 675
1989 SL ₁₂	1989 09 27.28976	00 12 36.12	+02 30 33.6	18.0	9 675	1990 OZ ₅	1990 07 23.35625	21 09 54.50	-25 13 11.4		2 675
1989 TN ₂	1989 11 22.27101	01 57 52.72	-03 08 02.4	18.2	9 675	1990 OZ ₅	1990 07 23.38038	21 09 53.05	-25 13 19.5		2 675
1989 TN ₂	1989 11 22.30694	01 57 52.58	-03 08 05.1		9 675	1990 OA ₆	* 1990 07 21.41111	21 17 51.61	-25 27 10.3	17.0	2 675
1989 TS ₂	1989 11 22.30694	02 00 01.14	-00 42 02.3	18.5	9 675	1990 OA ₆	1990 07 21.43889	21 17 50.12	-25 27 29.4		2 675
1989 TT ₂	1989 11 22.27101	01 52 04.75	+01 36 04.2	17.8	9 675	1990 OA ₆	1990 07 23.35625	21 16 20.62	-25 47 37.8		2 675
1989 TT ₂	1989 11 22.30694	01 52 03.68	+01 36 04.7		9 675	1990 OA ₆	1990 07 23.38038	21 16 19.60	-25 47 53.1		2 675
1989 TX ₂	1989 11 06.29097	01 04 31.08	-02 00 21.3	18.0	9 675	1990 QA ₂	1993 04 19.36788	14 52 02.65	-19 00 27.3	18.5	9 675
1989 TX ₂	1989 11 06.32170	01 04 30.07	-02 00 34.5		9 675	1990 QA ₂	1993 04 19.39821	14 52 01.04	-19 00 23.4		9 675
1989 TX ₁₁	1989 11 06.29097	01 15 23.74	-08 57 12.2		9 675	1990 QK ₄	1994 11 27.29809	04 05 51.83	+15 41 09.4	17.8	9 675
1989 TX ₁₁	1989 11 06.32170	01 15 22.87	-08 57 11.7	18.2	9 675	1990 QK ₄	1994 11 27.32917	04 05 49.76	+15 41 06.4		9 675
1989 TZ ₁₁	1989 11 06.29097	01 21 36.10	-04 26 07.4	17.0	9 675	1990 QT ₉	1992 02 04.30365	07 43 02.39	+21 32 27.3	18.8	9 675
1989 TZ ₁₁	1989 11 06.32170	01 21 35.25	-04 25 42.0		9 675	1990 QT ₉	1992 02 04.33594	07 43 00.32	+21 32 31.7		9 675
1989 TF ₁₄	1989 09 02.44931	00 20 14.19	-03 33 52.5	18.2	9 675	1990 QW ₁₀	1994 11 27.29028	03 36 18.60	+26 18 34.9	18.5	9 675
1989 TF ₁₄	1989 09 02.48160	00 20 12.77	-03 34 03.1		9 675	1990 QW ₁₀	1994 11 27.32205	03 36 16.27	+26 18 30.6		9 675
1989 TA ₁₆	1993 09 20.21250	22 43 25.52	-04 07 06.9	18.0	9 675	1990 RO ₂	1992 02 04.30365	08 03 39.12	+20 53 21.8	19.2	9 675
1989 TA ₁₆	1993 09 20.25052	22 43 23.89	-04 07 19.1		9 675	1990 RO ₂	1992 02 04.33594	08 03 36.88	+20 53 24.0		9 675
1989 TC ₁₇	1989 09 30.34010	00 53 43.83	+01 59 29.1	16.8	9 675	1990 RE ₅	1993 01 23.46007	10 22 56.35	+13 44 02.1	17.8	9 675
1989 TC ₁₇	1989 09 30.37500	00 53 42.27	+01 59 02.5		9 675	1990 RE ₅	1993 01 23.49566	10 22 54.76	+13 44 01.1		9 675
1989 UG ₃	1991 04 16.16354	11 21 47.29	+11 43 42.2	18.2	9 675	1990 SW	1994 11 27.29809	04 04 32.53	+12 13 06.1	18.0	9 675
1989 UG ₃	1991 04 16.19306	11 21 46.29	+11 43 43.3		9 675	1990 SW	1994 11 27.32917	04 04 30.53	+12 12 55.6		9 675
1989 UA ₆	1988 08 16.38194	22 40 29.85	-13 51 33.7	17.2	9 675	1990 SY ₂	1992 02 04.30365	08 08 12.94	+21 44 42.5	17.2	9 675
1989 UA ₆	1988 08 16.41233	22 40 28.69	-13 51 41.5		9 675	1990 SY ₂	1992 02 04.33594	08 08 11.22	+21 44 49.0		9 675
1989 UA ₆	1988 09 11.22396	22 24 01.50	-15 20 42.6	17.5	9 675	1990 SV ₁₃	1993 04 19.36788	14 59 31.05	-21 02 24.8	18.2	9 675
1989 UA ₆	1988 09 11.25712	22 24 00.29	-15 20 47.7		9 675	1990 SV ₁₃	1993 04 19.39821	14 59 29.45	-21 02 20.8		9 675
1989 VC ₂	1993 04 19.36788	14 42 16.16	-19 07 07.1	18.5	9 675	1990 SX ₁₆	1991 12 03.41701	05 31 35.44	+37 22 59.4	17.2	9 675
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1989 VR ₆	* 1989 11 06.29097	01 25 12.54	-05 30 04.7	16.8	9 675	1990 SH ₂₈	1992 02 04.33594	08 04 02.99	+21 11 20.8		9 675
1989 VR ₆	1989 11 06.32170	01 25 11.16	-05 29 57.5		9 675	1990 SL ₂₈	1992 02 04.30365	07 58 28.45	+21 14 02.5	19.0	9 675
1989 WU	1989 11 28.36840	04 57 44.78	+26 07 45.3		9 675	1990 TO ₃	1992 02 04.30365	07 49 49.60	+19 10 14.3	18.2	9 675
1989 WU	1989 11 28.40712	04 57 42.21	+26 07 32.7		9 675	1990 TO ₃	1992 02 04.33594	07 49 48.05	+19 10 21.6		9 675
1989 WO ₁	1989 11 28.36840	04 59 42.01	+25 40 12.7	16.5	9 675	1990 TS ₄	1988 03 18.39931	12 38 15.88	+12 32 44.6	17.5	9 675
1989 WO ₁	1989 11 28.40712	04 59 39.95	+25 40 18.1		9 675	1990 TS ₄	1988 03 18.42865	12 38 14.28	+12 32 56.0		9 675
1989 WZ ₁	1989 11 28.36840	04 54 59.79	+24 03 15.4	16.2	9 675	1990 TK ₈	1994 07 12.37535	20 59 14.86	-33 30 55.3	18.0	9 675
1989 WZ ₁	1989 11 28.40712	04 54 57.22	+24 03 17.1		9 675	1990 TK ₈	1994 07 12.40712	20 59 13.35	-33 31 06.4		9 675
1989 WB ₂	1988 08 16.31441	21 15 37.96	-12 19 53.6	18.5	9 675	1990 UA ₂	1994 10 03.32986	00 51 35.01	-04 00 30.5	17.8	9 675
1989 WB ₂	1988 08 16.34878	21 15 35.94	-12 20 03.2		9 675	1990 UA ₂	1994 10 03.35990	00 51 33.57	-04 00 40.2		9 675
1989 WR ₇	* 1989 11 28.21771	02 57 00.97	+31 14 28.9	18.2	9 675	1990 UA ₂	1994 11 04.16684	00 33 11.86	-05 21 39.5		9 675
1989 WR ₇	1989 11 28.26406	02 56 58.64	+31 14 16.5		9 675	1990 UA ₂	1994 11 04.21510	00 33 10.99	-05 21 34.2		9 675

1990 VX ₃	1989 07 05.40399	21 22 52.19	-20 22 46.5	18.8	9 675	1991 FA	1991 03 09.28889	11 36 41.38	+00 59 25.4	18.5	9 675
1990 VX ₃	1989 07 05.43628	21 22 51.04	-20 22 53.0		9 675	1991 FS ₁	1991 03 09.28889	11 18 33.93	+05 11 27.4	17.5	9 675
1990 VL ₈	1992 02 04.33594	07 53 14.05	+21 31 11.1		9 675	1991 FS ₁	1991 03 09.31788	11 18 32.16	+05 11 36.3		9 675
1990 WB ₂	1993 09 18.26806	23 40 58.52	-13 11 01.5	18.5	9 675	1991 FJ ₂	1991 03 09.28889	11 17 31.30	+02 36 20.0	16.8	9 675
1990 WB ₂	1993 09 18.30642	23 40 56.37	-13 11 15.7		9 675	1991 FJ ₂	1991 03 09.31788	11 17 29.68	+02 36 34.7		9 675
1990 WR ₂	1994 11 27.29809	03 58 48.77	+10 28 37.4	16.2	9 675	1991 FM ₂	1991 02 10.47865	11 38 53.46	-07 17 23.4	18.5	9 675
1990 WR ₂	1994 11 27.32917	03 58 46.78	+10 28 48.0		9 675	1991 FM ₂	1991 02 10.53073	11 38 53.19	-07 16 34.2		9 675
1990 WQ ₃	1993 09 18.26806	23 50 35.25	-16 13 59.8	16.5	9 675	1991 FM ₂	1991 03 09.28889	11 29 39.60	+01 37 13.8	17.2	9 675
1990 WV ₄	1993 09 20.21250	22 41 02.72	-05 03 14.3	17.8	9 675	1991 FM ₂	1991 03 09.31788	11 29 38.67	+01 37 53.3		9 675
1990 WV ₄	1993 09 20.25052	22 41 00.75	-05 03 30.3		9 675	1991 FM ₂	1991 04 16.16354	11 18 55.55	+12 24 00.0	19.0	9 675
1990 YE	1989 09 27.28976	23 57 46.13	-03 17 28.8	18.5	9 675	1991 FM ₂	1991 04 16.19306	11 18 55.57	+12 24 18.0		9 675
1990 YE	1989 09 27.31615	23 57 44.96	-03 17 35.0		9 675	1991 FQ ₂	1991 03 09.28889	11 38 28.73	+03 44 33.8	18.0	9 675
1991 AD	1994 11 27.29028	03 42 14.99	+24 32 41.4	16.0	9 675	1991 FQ ₂	1991 03 09.31788	11 38 27.08	+03 44 40.5		9 675
1991 AJ	1989 11 06.29097	01 09 31.69	-08 14 44.2	18.0	9 675	1991 GQ	1994 11 27.29809	04 14 24.49	+11 27 51.8	17.8	9 675
1991 AJ	1989 11 06.32170	01 09 30.53	-08 14 45.5		9 675	1991 GQ	1994 11 27.32917	04 14 23.03	+11 27 41.3		9 675
1991 AA ₁	1989 09 02.44931	00 34 57.90	-04 33 51.0	17.2	9 675	1991 JL	1988 08 16.31441	21 11 27.00	-07 56 37.0	17.5	9 675
1991 AA ₁	1989 09 02.48160	00 34 56.85	-04 34 01.3		9 675	1991 JL	1988 08 16.34878	21 11 25.02	-07 56 50.7		9 675
1991 AH ₁	1989 09 27.28976	00 01 04.79	+02 07 45.1	18.8	9 675	1991 NV ₁	1994 06 08.27083	14 53 37.61	-19 13 30.9		9 675
1991 AH ₁	1989 09 27.31615	00 01 03.29	+02 07 34.4		9 675	1991 NS ₂	1991 08 08.32569	21 54 15.26	-02 37 04.4	17.2	9 675
1991 AY ₄	* 1991 01 11.37344	07 44 06.22	+26 35 21.0	16.5	2 675	1991 NS ₂	1991 08 08.35660	21 54 13.84	-02 37 16.6		9 675
1991 AY ₄	1991 01 11.40069	07 44 04.25	+26 35 31.2		2 675	1991 NE ₈	1991 08 08.32569	22 01 00.35	+00 39 05.5	17.5	9 675
1991 AY ₄	1991 01 14.34670	07 40 44.52	+26 52 27.8		2 675	1991 NE ₈	1991 08 08.35660	22 00 58.89	+00 39 06.3		9 675
1991 AY ₄	1991 01 14.37049	07 40 42.52	+26 52 34.2		2 675	1991 OO	1994 05 10.34514	15 05 12.58	-17 40 46.4	18.2	9 675
1991 BD ₁	1989 09 30.34010	00 48 50.52	-05 21 30.1	18.0	9 675	1991 OO	1994 05 10.37656	15 05 10.53	-17 40 34.8		9 675
1991 BD ₁	1989 09 30.37500	00 48 48.69	-05 21 44.0		9 675	1991 OO	1994 06 08.24132	14 39 34.33	-15 01 10.3	19.0	9 675
1991 BD ₁	1993 09 18.30642	23 48 07.04	-10 45 20.9		9 675	1991 OO	1994 06 08.27083	14 39 33.25	-15 01 03.2		9 675
1991 BA ₃	1988 08 16.38194	22 29 59.50	-12 41 22.2	17.2	9 675	1991 PG ₃	1990 04 01.43212	13 15 11.12	-03 18 19.4	17.8	9 675
1991 BA ₃	1988 08 16.41233	22 29 58.25	-12 41 36.7		9 675	1991 PG ₃	1990 04 01.47778	13 15 09.03	-03 18 06.6		9 675
1991 BA ₃	1988 09 11.21623	22 12 00.99	-15 51 53.4	18.0	9 675	1991 PQ ₁₂	1994 01 07.35642	07 10 07.65	+21 03 42.1	18.2	9 675
1991 BA ₃	1988 09 11.24931	22 11 59.74	-15 52 05.7		9 675	1991 PQ ₁₂	1994 01 07.38646	07 10 06.02	+21 03 46.2		9 675
1991 CL	1989 11 02.39774	02 56 17.38	-04 37 45.3	17.8	9 675	1991 PP ₁₆	1990 04 01.43212	13 16 28.49	-01 38 08.4	18.2	9 675
1991 CL	1989 11 02.43507	02 56 15.34	-04 37 54.9		9 675	1991 PP ₁₆	1990 04 01.47778	13 16 26.05	-01 37 49.2		9 675
1991 CL	1993 09 18.26806	00 08 46.54	-15 20 05.0	18.2	9 675	1991 PF ₁₈	1994 05 10.34514	15 08 01.71	-20 51 32.6		9 675
1991 CL	1993 09 18.30642	00 08 44.80	-15 20 22.2		9 675	1991 PF ₁₈	1994 05 10.37656	15 07 59.86	-20 51 23.3		9 675
1991 CN	1989 09 27.28976	23 47 05.55	-01 37 57.6	17.5	9 675	1991 PF ₁₈	1994 06 08.24132	14 44 54.56	-18 35 44.8	18.5	9 675
1991 CN	1989 09 27.31615	23 47 03.95	-01 38 04.7		9 675	1991 PF ₁₈	1994 06 08.27083	14 44 53.44	-18 35 38.0		9 675
1991 CX	1989 09 27.28976	23 48 16.09	+02 36 39.9	18.5	9 675	1991 PU ₃₁	* 1991 08 08.32569	21 53 38.61	+03 40 35.8	17.0	9 675
1991 CX	1989 09 27.31615	23 48 14.59	+02 36 28.9		9 675	1991 PU ₃₁	1991 08 08.35660	21 53 37.44	+03 40 33.7		9 675
1991 CC ₃	1988 09 10.30677	22 44 26.74	-05 46 15.3	18.2	9 675	1991 RM ₂	1990 04 01.43212	13 11 08.78	-00 47 14.1	17.8	9 675
1991 CC ₃	1988 09 10.34444	22 44 25.01	-05 46 28.9		9 675	1991 RM ₂	1990 04 01.47778	13 11 06.24	-00 46 49.8		9 675
1991 CM ₃	1989 09 02.44931	00 15 01.76	-04 23 19.0	17.2	9 675	1991 RL ₇	1991 10 07.41684	02 20 13.13	+16 13 09.5	18.5	9 675
1991 CM ₃	1989 09 02.48160	00 15 00.54	-04 23 33.5		9 675	1991 RL ₇	1991 10 07.45260	02 20 11.55	+16 12 51.0		9 675
1991 DD	1989 09 27.28976	23 51 18.72	-03 31 09.6	17.8	9 675	1991 RV ₁₆	1994 07 13.35174	20 36 32.84	-31 41 30.5	18.5	9 675
1991 DD	1989 09 27.31615	23 51 17.17	-03 31 16.9		9 675	1991 RV ₁₆	1994 07 13.38281	20 36 30.67	-31 41 39.1		9 675
1991 EE	1991 10 06.29097	23 35 53.69	-16 38 07.5	16.8	9 675	1991 RY ₁₆	1991 09 09.42674	00 34 40.32	-06 47 29.9	16.5	2 675
1991 EE	1991 10 06.32500	23 35 56.92	-16 37 57.9		9 675	1991 RY ₁₆	1991 09 09.45972	00 34 38.68	-06 47 39.9		2 675
1991 EJ ₁	1989 11 22.27101	02 01 32.97	+00 21 29.6	18.0	9 675	1991 RA ₁₇	1991 09 07.46215	00 37 43.97	-06 11 58.1	16.5	2 675
1991 EJ ₁	1989 11 22.30694	02 01 31.50	+00 21 28.2		9 675	1991 RA ₁₇	1991 09 07.49080	00 37 42.54	-06 12 04.1		2 675
1991 ES ₁	1989 09 30.34010	00 48 08.92	-05 14 04.7	16.0	9 675	1991 RA ₁₇	1991 09 09.42674	00 36 13.19	-06 15 59.2		2 675
1991 ES ₁	1989 09 30.37500	00 48 07.37	-05 14 29.7		9 675	1991 RA ₁₇	1991 09 09.45972	00 36 11.58	-06 16 01.9		2 675
1991 ES ₁	1991 04 16.16354	10 51 16.15	+11 05 35.6	17.5	9 675	1991 RJ ₂₂	1991 10 06.29097	23 14 38.56	-14 10 47.5	16.2	9 675
1991 ES ₁	1991 04 16.19306	10 51 15.78	+11 05 44.8		9 675	1991 RJ ₂₂	1991 10 06.32500	23 14 37.82	-14 10 48.5		9 675

1991 TW ₁	1994 06 08.24132	14 36 03.80	-15 19 36.9	18.8	9 675	1992 OV ₁₀	* 1992 07 26.28194	19 36 18.38	-06 03 04.0	16.0	2 675
1991 TH ₂	1991 10 07.41684	02 30 16.90	+10 43 09.0	17.0	9 675	1992 OV ₁₀	1992 07 26.30673	19 36 17.21	-06 03 19.0		2 675
1991 TH ₂	1991 10 07.45260	02 30 15.73	+10 42 59.3		9 675	1992 PC	1991 03 09.28889	11 36 41.70	-00 53 06.4	18.2	9 675
1991 TP ₁₄	* 1991 10 07.41684	02 05 50.78	+10 47 53.3	17.5	9 675	1992 PC	1991 03 09.31788	11 36 40.01	-00 52 52.9		9 675
1991 TP ₁₄	1991 10 07.45260	02 05 49.14	+10 47 33.8		9 675	1992 PY ₂	1994 01 07.35642	07 16 57.28	+22 23 16.6	15.5	9 675
1991 UN	1991 10 07.41684	02 04 25.12	+13 59 51.6	18.5	9 675	1992 PY ₂	1994 01 07.38646	07 16 55.11	+22 23 08.8		9 675
1991 UR	1991 10 07.41684	02 09 18.73	+16 31 28.0	17.0	9 675	1992 RC ₇	1994 01 07.35642	07 12 15.13	+20 33 11.8	17.5	9 675
1991 UR	1991 10 07.45260	02 09 16.65	+16 31 30.8		9 675	1992 RC ₇	1994 01 07.38646	07 12 13.42	+20 33 17.0		9 675
1991 XD	1991 12 03.38351	05 56 55.85	+35 46 47.6	15.8	9 675	1992 SQ ₁₅	1992 10 04.28767	00 36 47.66	+10 19 42.6	17.0	9 675
1991 XD	1992 04 05.14653	06 35 59.99	+46 16 33.2		9 675	1992 SQ ₁₅	1992 10 04.32205	00 36 45.60	+10 19 33.3		9 675
1991 XD	1992 04 05.18872	06 36 06.21	+46 16 18.0	18.5	9 675	1992 SV ₂₆	1992 09 29.27795	00 22 19.41	+11 52 04.5		9 675
1991 YX	1994 10 03.32986	00 48 46.20	-05 17 58.0	17.0	9 675	1992 SV ₂₆	1992 09 29.31580	00 22 17.28	+11 51 54.7		9 675
1991 YX	1994 10 03.35990	00 48 44.62	-05 18 12.8		9 675	1992 SV ₂₆	1992 10 01.33785	00 20 36.72	+11 35 57.0	17.2	9 675
1992 AK ₁	1994 05 10.34514	15 23 47.07	-15 33 01.2	18.2	9 675	1992 SV ₂₆	1992 10 04.28767	00 18 12.06	+11 12 20.4	17.2	9 675
1992 AR ₁	1992 02 04.30365	07 56 57.71	+17 41 21.9	16.5	9 675	1992 SV ₂₆	1992 10 04.32205	00 18 10.59	+11 11 45.1		9 675
1992 AR ₁	1992 02 04.33594	07 56 55.83	+17 41 20.7		9 675	1992 SX ₂₆	* 1992 09 30.40642	02 27 17.36	+26 04 33.9	17.5	9 675
1992 AO ₂	1992 02 04.30365	07 46 47.33	+22 29 22.9	17.5	9 675	1992 SX ₂₆	1992 09 30.44844	02 27 16.03	+26 04 33.1		9 675
1992 AO ₂	1992 02 04.33594	07 46 45.50	+22 29 34.5		9 675	1992 UN ₂	1988 08 16.38194	22 53 09.30	-12 59 00.5	18.5	9 675
1992 AM ₃	1992 02 04.30365	07 46 57.78	+17 05 42.5	18.0	9 675	1992 UN ₂	1988 08 16.41233	22 53 07.70	-12 59 10.3		9 675
1992 AP ₃	1992 02 04.33594	07 55 20.26	+21 25 00.2		9 675	1992 UN ₂	1988 09 11.22396	22 29 32.84	-15 10 06.6	17.8	9 675
1992 AT ₃	1992 02 04.30365	07 59 27.90	+19 17 04.2	18.8	9 675	1992 UN ₂	1988 09 11.25712	22 29 30.99	-15 10 14.5		9 675
1992 AT ₃	1992 02 04.33594	07 59 26.09	+19 17 10.7		9 675	1992 UG ₄	1990 04 01.43212	13 04 39.28	+00 58 40.1	17.8	9 675
1992 BJ	1992 02 04.30365	07 58 24.04	+20 44 54.2	17.5	9 675	1992 UG ₄	1990 04 01.47778	13 04 37.02	+00 58 51.8		9 675
1992 BJ	1992 02 04.33594	07 58 22.41	+20 45 01.7		9 675	1992 UY ₄	1992 11 26.32483	03 32 59.95	+27 54 08.6		9 675
1992 BF ₄	1992 02 04.30365	07 58 16.13	+24 17 37.4	18.5	9 675	1992 UX ₅	1988 09 12.25417	21 56 58.29	-11 50 45.4	17.8	9 675
1992 BF ₄	1992 02 04.33594	07 58 14.47	+24 17 42.3		9 675	1992 UX ₅	1988 09 12.28837	21 56 56.70	-11 50 58.8		9 675
1992 CG ₈	* 1992 02 04.30365	07 37 47.90	+21 33 21.6	18.5	9 675	1992 WD ₁	1988 09 11.22396	22 40 58.78	-14 01 53.5	18.0	9 675
1992 CG ₈	1992 02 04.33594	07 37 46.14	+21 33 22.1		9 675	1992 WD ₁	1988 09 11.25712	22 40 57.12	-14 02 08.7		9 675
1992 CH ₈	* 1992 02 04.30365	08 09 40.47	+19 59 14.1	18.2	9 675	1992 WY ₁	1988 09 11.22396	22 42 42.58	-10 02 52.4	18.2	9 675
1992 CH ₈	1992 02 04.33594	08 09 38.37	+19 59 16.1		9 675	1992 WY ₁	1988 09 11.25712	22 42 40.47	-10 03 01.3		9 675
1992 DA	1994 11 27.29028	04 00 10.91	+24 12 53.8	17.8	9 675	1992 WP ₃	1992 11 26.32483	03 31 01.43	+29 07 53.7	17.0	9 675
1992 DA	1994 11 27.32205	04 00 08.60	+24 12 51.2		9 675	1992 WP ₃	1992 11 26.35660	03 30 59.82	+29 07 41.3		9 675
1992 DM ₆	1989 09 30.34010	00 55 20.33	+02 07 36.6	16.5	9 675	1992 WD ₈	1951 01 04.37986	09 34 53.97	+07 31 28.6		6 675
1992 DM ₆	1989 09 30.37500	00 55 18.74	+02 07 26.6		9 675	1992 WD ₈	1951 01 04.40903	09 34 52.59	+07 30 55.8		6 675
1992 DC ₁₁	1994 11 27.29809	03 57 44.94	+14 10 59.0	18.5	9 675	1992 WR ₉	* 1992 11 26.32483	03 38 20.24	+31 33 58.3	16.8	9 675
1992 DC ₁₁	1994 11 27.32917	03 57 42.96	+14 10 52.8		9 675	1992 WR ₉	1992 11 26.35660	03 38 18.47	+31 33 46.1		9 675
1992 EU ₁₁	1993 09 20.21250	22 53 02.79	-04 46 30.2	18.8	9 675	1993 BT ₂	1955 03 24.40833	15 03 32.80	-25 06 48.9	17.8	6 675
1992 EU ₁₁	1993 09 20.25052	22 53 00.62	-04 46 35.0		9 675	1993 BT ₂	1955 03 24.43264	15 03 32.50	-25 06 54.2		6 675
1992 EC ₁₂	1989 11 06.29097	01 24 58.14	-03 49 23.0	18.2	9 675	1993 BT ₂	1989 03 09.40174	12 18 53.00	-07 27 47.5	16.2	9 675
1992 EC ₁₂	1989 11 06.32170	01 24 57.06	-03 49 27.3		9 675	1993 BT ₂	1989 03 09.43281	12 18 51.45	-07 27 46.3		9 675
1992 EK ₁₄	1994 11 27.29028	03 38 58.72	+26 15 08.8	17.0	9 675	1993 BO ₃	1993 01 23.46007	10 36 22.17	+16 01 50.3	18.0	9 675
1992 EK ₁₄	1994 11 27.32205	03 38 56.76	+26 15 01.8		9 675	1993 BO ₃	1993 01 23.49566	10 36 21.04	+16 02 03.5		9 675
1992 HL	1989 11 22.27101	01 54 37.18	-00 50 45.0	18.2	9 675	1993 BP ₃	1993 01 23.46007	10 41 37.73	+14 34 51.9	17.2	9 675
1992 HL	1989 11 22.30694	01 54 35.95	-00 50 53.8		9 675	1993 BP ₃	1993 01 23.49566	10 41 35.28	+14 34 29.9		9 675
1992 JF	1989 09 02.44931	00 12 29.71	-08 01 21.5		9 675	1993 BE ₅	1989 07 05.40399	21 03 09.44	-17 15 03.5	18.0	9 675
1992 JF	1989 09 02.48160	00 12 28.05	-08 01 31.3		9 675	1993 BE ₅	1989 07 05.43628	21 03 08.31	-17 15 06.3		9 675
1992 LJ	1989 09 30.34010	00 58 55.81	+01 07 53.8	18.0	9 675	1993 CO	1991 10 07.41684	02 19 32.76	+12 53 24.5	17.0	9 675
1992 LJ	1989 09 30.37500	00 58 53.88	+01 07 40.0		9 675	1993 CO	1991 10 07.45260	02 19 31.31	+12 53 20.1		9 675
1992 OX ₁	1989 11 22.27101	01 58 52.88	-02 16 32.4	17.2	9 675	1993 CO	1994 06 08.24132	14 27 52.41	-15 07 01.8	18.0	9 675
1992 OX ₁	1989 11 22.30694	01 58 51.64	-02 16 31.8		9 675	1993 CO	1994 06 08.27083	14 27 51.59	-15 06 59.8		9 675
1992 OV ₂	1989 11 02.39774	03 00 06.83	+00 24 29.8	17.5	9 675	1993 FL ₄	1991 10 07.41684	02 34 51.05	+11 32 54.9		9 675
1992 OV ₂	1989 11 02.43507	03 00 04.53	+00 24 19.3		9 675	1993 FL ₄	1991 10 07.45260	02 34 49.73	+11 32 47.7		9 675

1993 FS ₁₄	1992 02 04.30365	07 51 05.02	+23 36 13.9	18.5	9 675	1993 SV ₁₄	* 1993 09 18.26806	00 08 00.70	-14 06 35.2	16.8	9 675
1993 FS ₁₄	1992 02 04.33594	07 51 03.66	+23 36 17.7		9 675	1993 SV ₁₄	1993 09 18.30642	00 07 58.54	-14 06 52.3		9 675
1993 FU ₁₇	1994 07 13.35174	20 53 36.07	-30 03 55.8		9 675	1993 SW ₁₄	* 1993 09 20.21250	22 49 13.46	-00 46 03.5	16.8	9 675
1993 FU ₁₇	1994 07 13.38281	20 53 34.25	-30 04 06.9	18.0	9 675	1993 SW ₁₄	1993 09 20.25052	22 49 12.09	-00 46 35.5		9 675
1993 FH ₂₂	1989 09 27.28976	00 03 28.41	+00 37 43.5	17.2	9 675	1993 TD	1989 09 02.44931	00 21 20.17	-02 11 25.2	18.0	9 675
1993 FH ₂₂	1989 09 27.31615	00 03 27.17	+00 37 35.6		9 675	1993 TD	1989 09 02.48160	00 21 18.58	-02 11 22.5		9 675
1993 FE ₂₃	1991 12 03.38351	05 47 00.92	+38 45 50.5	17.0	9 675	1993 TD	1989 09 27.28976	23 56 39.42	-01 42 21.5	17.5	9 675
1993 FE ₂₃	1991 12 03.41701	05 46 58.49	+38 45 55.0		9 675	1993 TD	1989 09 27.31615	23 56 37.57	-01 42 20.1		9 675
1993 FK ₂₃	1994 07 13.35174	20 16 18.85	-32 31 29.5		9 675	1993 TE	1989 11 22.27101	02 12 36.72	+04 04 34.2		9 675
1993 FK ₂₃	1994 07 13.38281	20 16 17.20	-32 31 32.7	17.8	9 675	1993 TE	1989 11 22.30694	02 12 35.75	+04 04 22.7		9 675
1993 FS ₃₉	1992 02 04.30365	08 02 20.49	+18 29 27.9	18.2	9 675	1993 VB ₈	1994 01 07.35642	07 06 55.99	+22 57 28.8	17.2	9 675
1993 FS ₃₉	1992 02 04.33594	08 02 18.89	+18 29 35.0		9 675	1993 VB ₈	1994 01 07.38646	07 06 53.92	+22 57 40.0		9 675
1993 GH	1994 07 12.37535	20 52 07.04	-35 05 43.2	16.5	9 675	1993 YH	1994 01 07.35642	07 18 25.24	+22 50 25.8	18.5	9 675
1993 GH	1994 07 12.40712	20 52 05.46	-35 05 53.8		9 675	1993 YH	1994 01 07.38646	07 18 23.64	+22 50 31.3		9 675
1993 GN ₁	1993 04 19.36788	14 52 55.91	-22 01 50.5	18.0	9 675	1993 YJ	1994 01 07.35642	07 09 45.85	+23 41 52.6		9 675
1993 GN ₁	1993 04 19.39821	14 52 54.14	-22 01 40.0		9 675	1994 AT	1994 01 07.35642	07 16 27.07	+23 01 03.4		9 675
1993 HO ₁	1993 04 19.39821	14 57 21.21	-20 33 47.1		9 675	1994 AT	1994 01 07.38646	07 16 25.01	+23 01 10.3	17.8	9 675
1993 HW ₁	1993 04 18.34948	14 23 28.50	+05 40 07.8	17.0	9 675	1994 AQ ₂	1990 04 01.43212	13 14 22.02	-02 29 43.2	18.0	9 675
1993 HW ₁	1993 04 18.38177	14 23 26.46	+05 40 07.7		9 675	1994 AQ ₂	1990 04 01.47778	13 14 19.91	-02 29 30.5		9 675
1993 HL ₆	1991 10 07.41684	02 03 44.40	+14 47 35.6	18.0	9 675	1994 BY	1989 09 30.34010	00 47 15.02	+00 44 49.8	17.8	9 675
1993 HL ₆	1991 10 07.45260	02 03 42.43	+14 47 19.4		9 675	1994 BY	1989 09 30.37500	00 47 12.72	+00 44 40.6		9 675
1993 HF ₈	* 1993 04 19.36788	14 41 23.26	-19 07 33.1	17.8	9 675	1994 BJ ₄	1991 08 08.32569	22 06 16.63	-01 24 18.8		9 675
1993 HF ₈	1993 04 19.39821	14 41 21.39	-19 07 33.3		9 675	1994 BJ ₄	1991 08 08.35660	22 06 15.22	-01 24 22.5	18.8	9 675
1993 KD	1989 03 09.40174	11 54 09.93	-08 50 19.8	17.2	9 675	1994 CB ₁	1988 08 16.31441	21 34 40.10	-09 17 46.7	18.2	9 675
1993 KD	1989 03 09.43281	11 54 08.68	-08 49 59.0		9 675	1994 CB ₁	1988 08 16.34878	21 34 38.13	-09 17 55.0		9 675
1993 OM ₃	1994 11 27.29809	04 15 52.23	+12 12 52.6	17.8	9 675	1994 CM ₂	1989 11 28.21771	02 46 39.68	+26 30 21.1	17.2	9 675
1993 OM ₃	1994 11 27.32917	04 15 49.97	+12 12 48.5		9 675	1994 CM ₂	1989 11 28.26406	02 46 37.26	+26 29 58.0		9 675
1993 OY ₆	1992 02 04.30365	07 48 16.79	+21 14 08.6	18.8	9 675	1994 CS ₈	1988 09 11.21623	22 07 55.54	-16 15 48.8	18.5	9 675
1993 QV ₁	1993 09 20.21250	22 45 42.26	-05 53 47.4	17.8	9 675	1994 CS ₈	1988 09 11.24931	22 07 54.61	-16 15 54.1		9 675
1993 QV ₁	1993 09 20.25052	22 45 40.56	-05 53 58.0		9 675	1994 CS ₈	1989 09 02.44931	00 27 25.04	-04 54 59.9		9 675
1993 QH ₃	1991 03 09.28889	11 42 28.92	+00 27 29.2	18.2	9 675	1994 CS ₈	1989 09 02.48160	00 27 24.33	-04 55 08.5	18.8	9 675
1993 QH ₃	1991 03 09.31788	11 42 27.46	+00 27 38.1		9 675	1994 CD ₁₉	* 1994 02 10.40816	10 23 00.55	-04 18 45.2	17.2	9 675
1993 QW ₃	1993 09 20.21250	23 02 53.91	-03 40 29.8	16.8	9 675	1994 CD ₁₉	1994 02 10.44323	10 22 58.85	-04 18 43.7		9 675
1993 QW ₃	1993 09 20.25052	23 02 51.85	-03 40 33.1	18.2	9 675	1994 JA	1994 05 10.34514	15 00 30.18	-15 47 59.8	17.5	9 675
1993 QR ₄	1989 09 27.28976	23 59 55.77	-01 13 32.1	18.0	9 675	1994 JA	1994 05 10.37656	15 00 28.43	-15 48 12.4		9 675
1993 QR ₄	1989 09 27.31615	23 59 54.28	-01 13 39.1		9 675	1994 JE ₁	1988 09 11.21623	22 06 38.29	-21 15 17.4	18.8	9 675
1993 QR ₄	1991 02 10.25035	08 51 07.37	+22 57 18.1	17.2	9 675	1994 JE ₁	1988 09 11.24931	22 06 36.50	-21 15 23.4		9 675
1993 QR ₄	1991 02 10.28021	08 51 05.53	+22 57 23.2		9 675	1994 JH ₂	1994 05 10.34514	15 01 42.75	-15 37 30.1	19.0	9 675
1993 QV ₄	1988 08 16.38194	22 34 34.29	-11 02 59.5	18.8	9 675	1994 JH ₂	1994 05 10.37656	15 01 40.45	-15 37 36.9		9 675
1993 QV ₄	1988 08 16.41233	22 34 32.89	-11 03 06.7		9 675	1994 JG ₄	1994 06 08.27083	14 33 44.06	-13 29 56.8		9 675
1993 QV ₄	1988 09 12.25417	22 13 18.22	-12 50 01.1	19.0	9 675	1994 JM ₆	1994 05 10.34514	15 03 49.15	-15 30 32.5	18.8	9 675
1993 QV ₄	1988 09 12.28837	22 13 16.65	-12 50 07.4		9 675	1994 JM ₆	1994 05 10.37656	15 03 47.38	-15 30 28.1		9 675
1993 SG ₁	1989 11 02.39774	03 05 08.99	-03 06 03.9	16.0	9 675	1994 KC	1994 06 08.24132	14 37 06.31	-13 45 05.5	18.2	9 675
1993 SG ₁	1989 11 02.43507	03 05 07.07	-03 06 26.8		9 675	1994 KC	1994 06 08.27083	14 37 05.45	-13 45 01.4		9 675
1993 SQ ₂	1989 11 22.27101	01 56 24.76	-03 19 54.4	18.0	9 675	1994 LK ₁	1991 12 01.30590	04 15 32.79	-01 44 11.7	17.0	9 675
1993 SQ ₂	1989 11 22.30694	01 56 23.70	-03 20 01.3		9 675	1994 LK ₁	1991 12 01.33819	04 15 30.90	-01 44 08.3		9 675
1993 SY ₃	1991 02 10.47865	11 37 41.26	-04 05 10.7	18.5	9 675	1994 LK ₁	1993 01 23.46007	10 39 11.34	+15 24 39.2	18.0	9 675
1993 SY ₃	1991 02 10.53073	11 37 39.53	-04 04 58.3		9 675	1994 LK ₁	1993 01 23.49566	10 39 10.34	+15 24 58.0		9 675
1993 SS ₄	1989 09 27.28976	00 03 25.86	+00 42 02.5	17.8	9 675	1994 LH ₁₀	1994 05 10.34514	15 01 52.02	-20 05 23.3	17.8	9 675
1993 SS ₄	1989 09 27.31615	00 03 24.39	+00 41 55.8		9 675	1994 LH ₁₀	1994 05 10.37656	15 01 49.89	-20 05 17.9		9 675
1993 SG ₅	1994 11 27.29809	04 04 13.99	+17 55 54.3	18.2	9 675	1994 LH ₁₀	* 1994 06 08.24132	14 37 13.26	-18 46 04.7		9 675
1993 SG ₅	1994 11 27.32917	04 04 12.35	+17 55 51.0		9 675	1994 LH ₁₀	1994 06 08.27083	14 37 12.27	-18 46 01.7	17.5	9 675

1994 NZ ₁₂	* 1994 07 12.37535	20 45 51.94	-35 15 01.9	17.5	9 675	1994 WL ₃	1994 11 27.32917	04 15 16.02	+13 26 49.8		9 675
1994 NZ ₁₂	1994 07 12.40712	20 45 50.36	-35 15 14.5		9 675	1994 WS ₃	1994 11 27.29809	04 05 31.97	+14 46 37.9	16.8	9 675
1994 NA ₁₃	* 1994 07 12.37535	21 00 58.25	-38 07 03.1	16.5	9 675	1994 WS ₃	1994 11 27.32917	04 05 30.29	+14 46 27.2		9 675
1994 NA ₁₃	1994 07 12.40712	21 00 56.93	-38 07 19.9		9 675	1994 WQ ₁₂	1982 08 19.45486	00 10 00.50	+01 01 01.6		9 675
1994 PP ₁	1989 11 02.39774	02 59 19.38	+00 55 13.7	18.0	9 675	1994 WQ ₁₂	1982 08 19.48194	00 09 59.87	+01 00 56.1	17.5	9 675
1994 PP ₁	1989 11 02.43507	02 59 15.70	+00 55 31.3		9 675	1994 WM ₁₃	* 1994 11 27.29809	03 53 46.10	+14 54 13.3	18.2	9 675
1994 PV ₁₆	1992 02 04.30365	07 59 23.37	+24 00 37.8	18.8	9 675	1994 WM ₁₃	1994 11 27.32917	03 53 44.55	+14 54 04.3		9 675
1994 PV ₁₆	1992 02 04.33594	07 59 21.59	+24 00 43.5		9 675	1994 WN ₁₃	* 1994 11 27.29028	03 55 52.72	+24 02 58.5	17.2	9 675
1994 PV ₁₆	1993 04 19.36788	14 48 27.68	-20 25 59.0	18.2	9 675	1994 WN ₁₃	1994 11 27.32205	03 55 50.57	+24 02 56.9		9 675
1994 PV ₁₆	1993 04 19.39821	14 48 26.10	-20 25 55.3		9 675	1994 XW	1994 11 27.29809	04 04 45.46	+14 02 50.1	16.8	9 675
1994 PF ₂₂	1991 12 03.41701	05 42 09.17	+34 58 24.6	17.2	9 675	1994 XW	1994 11 27.32917	04 04 43.40	+14 02 56.3		9 675
1994 PC ₄₀	* 1994 08 09.36771	22 47 10.27	-10 46 20.7	17.3 V	2 675	1994 XY	1990 07 21.41111	21 14 45.97	-24 17 06.6	16.5	2 675
1994 PC ₄₀	1994 08 09.39635	22 47 09.08	-10 46 30.7	16.5 V	2 675	1994 XY	1990 07 21.43889	21 14 44.62	-24 17 21.7		2 675
1994 TH ₂	1988 09 11.22396	22 33 27.60	-12 28 22.0	16.8	9 675	1994 XY	1990 07 23.35625	21 13 15.38	-24 34 50.6		2 675
1994 TH ₂	1988 09 11.25712	22 33 26.20	-12 28 30.5		9 675	1994 XY	1990 07 23.38038	21 13 14.12	-24 35 02.8		2 675
1994 UK ₅	1989 09 02.44931	00 17 35.31	-02 46 35.7		9 675	1994 XG ₁	1989 09 30.34010	01 02 53.74	+00 15 46.7	17.5	9 675
1994 UK ₅	1989 09 02.48160	00 17 34.08	-02 46 41.2		9 675	1994 XG ₁	1989 09 30.37500	01 02 51.90	+00 15 36.9		9 675
1994 UK ₅	1989 09 27.28976	23 58 46.69	-04 38 07.8	18.0	9 675	1994 XS ₄	1993 09 18.26806	00 09 33.60	-12 11 03.9	17.5	9 675
1994 UK ₅	1989 09 27.31615	23 58 45.30	-04 38 15.2		9 675	1994 XS ₄	1993 09 18.30642	00 09 31.38	-12 11 19.7		9 675
1994 UP ₁₁	1992 02 04.33594	07 57 43.61	+24 58 20.0		9 675	1994 XE ₆	1994 10 01.42274	03 03 23.37	+26 09 02.8		9 675
1994 VT	1994 11 27.29028	04 06 28.03	+24 43 31.1	17.2	9 675	1994 XE ₆	1994 10 01.45990	03 03 22.75	+26 09 08.2	17.5	9 675
1994 VT	1994 11 27.32205	04 06 25.90	+24 43 26.2		9 675	1994 YX ₁	1988 09 11.22396	22 34 00.86	-11 47 46.4	18.8	9 675
1994 VC ₁	1994 11 27.29028	03 48 50.50	+24 25 11.8	17.0	9 675	1994 YX ₁	1988 09 11.25712	22 33 59.20	-11 47 54.0		9 675
1994 VC ₁	1994 11 27.32205	03 48 48.47	+24 25 08.2		9 675	1994 YX ₁	1991 03 09.28889	11 31 37.61	+05 09 21.0	17.5	9 675
1994 VR ₁	1994 11 27.29028	04 06 56.05	+23 51 36.0	17.2	9 675	1994 YX ₁	1991 03 09.31788	11 31 36.09	+05 09 28.6		9 675
1994 VR ₁	1994 11 27.32205	04 06 53.73	+23 51 28.3		9 675	1994 YC ₂	1994 11 27.29028	03 56 37.81	+30 07 42.8		9 675
1994 VH ₂	1994 11 27.29028	03 55 54.33	+27 05 58.8	17.8	9 675	1994 YC ₂	1994 11 27.32205	03 56 35.90	+30 07 28.0		9 675
1994 VH ₂	1994 11 27.32205	03 55 51.96	+27 06 05.4		9 675	1995 AF	1991 01 18.38889	08 26 23.01	+16 40 40.0		9 675
1994 VV ₂	1994 11 27.29809	03 55 33.00	+16 55 31.2	17.5	9 675	1995 AF	1991 01 18.42292	08 26 20.91	+16 40 40.6		9 675
1994 VV ₂	1994 11 27.32917	03 55 31.00	+16 55 35.1		9 675	1995 AH	1989 09 02.44931	00 28 00.60	-01 28 42.6	18.2	9 675
1994 VW ₂	1994 11 27.29809	04 00 25.11	+17 52 59.7	16.8	9 675	1995 AH	1989 09 02.48160	00 27 59.59	-01 28 53.6		9 675
1994 VW ₂	1994 11 27.32917	04 00 23.20	+17 53 02.2		9 675	1995 AJ	1989 03 09.40174	12 03 44.61	-11 05 20.4		9 675
1994 VQ ₆	1994 10 01.42274	02 56 21.78	+27 47 16.5		9 675	1995 AJ	1989 03 09.43281	12 03 42.90	-11 05 14.2	18.5	9 675
1994 VQ ₆	1994 10 01.45990	02 56 21.42	+27 46 48.5		9 675	1995 AN	1988 09 11.22396	22 23 15.00	-12 17 46.9	16.8	9 675
1994 WW	1994 11 27.29809	04 00 10.39	+14 55 23.2	18.5	9 675	1995 AN	1988 09 11.25712	22 23 12.09	-12 17 36.6		9 675
1994 WW	1994 11 27.32917	04 00 08.52	+14 55 21.8		9 675	1995 AN	1988 09 12.25417	22 21 48.15	-12 12 37.9	17.2	9 675
1994 WQ ₁	1988 09 11.21623	21 54 53.35	-16 51 47.4		9 675	1995 AN	1988 09 12.28837	22 21 45.15	-12 12 28.4		9 675
1994 WQ ₁	1988 09 11.24931	21 54 51.97	-16 51 52.2	18.8	9 675	1995 BB	1991 03 09.28889	11 32 26.80	+01 46 03.0	18.2	9 675
1994 WQ ₁	1989 11 28.36840	05 03 51.11	+24 49 46.0		9 675	1995 BB	1991 03 09.31788	11 32 25.33	+01 46 10.8		9 675
1994 WQ ₁	1991 03 09.28889	11 41 58.74	+05 32 37.9	17.8	9 675	1995 BJ ₁	1990 04 01.43212	13 17 52.13	-04 35 25.1	17.8	9 675
1994 WQ ₁	1991 03 09.31788	11 41 57.20	+05 32 45.8		9 675	1995 BJ ₁	1990 04 01.47778	13 17 50.03	-04 35 12.2		9 675
1994 WG ₂	1989 09 30.34010	00 39 34.89	-01 02 48.1	17.2	9 675	1995 BO ₁	1993 09 20.21250	22 55 45.48	-00 14 17.2	17.8	9 675
1994 WG ₂	1989 09 30.37500	00 39 33.19	-01 03 02.7		9 675	1995 BO ₁	1993 09 20.25052	22 55 43.35	-00 14 32.6		9 675
1994 WG ₂	1991 01 18.38889	08 40 10.40	+13 08 33.5	18.0	9 675	1995 BA ₃	1988 09 11.22396	22 46 01.42	-10 15 05.2	18.8	9 675
1994 WG ₂	1991 01 18.42291	08 40 08.76	+13 08 35.4		9 675	1995 BA ₃	1988 09 11.25712	22 45 59.80	-10 15 15.6		9 675
1994 WB ₃	1994 11 27.29809	04 10 01.08	+18 08 37.9	17.5	9 675	1995 BQ ₃	1989 11 22.27101	02 10 13.81	-03 25 33.2	17.2	9 675
1994 WB ₃	1994 11 27.32917	04 09 59.22	+18 08 34.2		9 675	1995 BQ ₃	1989 11 22.30694	02 10 12.68	-03 25 33.3		9 675
1994 WD ₃	1994 11 27.29809	04 13 38.87	+17 36 34.8	17.8	9 675	1995 BQ ₃	1993 08 13.38872	23 21 16.08	-06 08 01.0	17.5	9 675
1994 WD ₃	1994 11 27.32917	04 13 36.77	+17 36 42.9		9 675	1995 BQ ₃	1993 08 13.41927	23 21 15.25	-06 08 15.6		9 675
1994 WG ₃	1994 11 27.29809	04 17 01.08	+15 58 26.8	17.2	9 675	1995 DE ₂	1991 03 09.28889	11 29 17.28	+00 31 12.3	17.5	9 675
1994 WJ ₃	1994 11 27.32917	04 12 32.29	+12 16 03.7	17.2	9 675	1995 DE ₂	1991 03 09.31788	11 29 15.67	+00 31 20.1		9 675
1994 WL ₃	1994 11 27.29809	04 15 17.95	+13 26 52.6	17.8	9 675	1995 EA	1989 11 06.29097	01 27 35.75	-07 16 46.8	18.2	9 675

1995 EA	1989 11 06.32170	01 27 34.40	-07 16 52.5		9 675	1995 YP	1989 09 02.44931	00 25 12.23	-01 56 18.2	18.5	9 675
1995 EE ₈	1988 09 11.24931	22 04 45.38	-18 47 44.9	18.2	9 675	1995 YP	1989 09 02.48160	00 25 11.09	-01 56 27.7		9 675
1995 FV	1989 09 27.28976	00 13 54.27	-02 41 27.4	18.2	9 675	1995 YJ ₁	1989 09 27.28976	23 58 59.87	-04 09 32.1	17.8	9 675
1995 FV	1989 09 27.31615	00 13 52.79	-02 41 40.5		9 675	1995 YJ ₁	1989 09 27.31615	23 58 58.63	-04 09 38.8		9 675
1995 HG	1989 09 30.34010	00 39 51.83	-03 47 48.1	16.5	9 675	1995 YL ₁	1982 09 20.44514	23 11 46.92	+00 42 55.5	16.8	9 675
1995 HG	1989 09 30.37500	00 39 49.57	-03 47 55.3		9 675	1995 YL ₁	1982 09 20.47361	23 11 45.63	+00 42 45.8		9 675
1995 HR	1989 03 09.40174	11 52 19.21	-05 58 25.2	17.8	9 675	1995 YU ₉	1988 08 16.31441	21 16 05.97	-08 12 23.1	18.8	9 675
1995 HR	1989 03 09.43281	11 52 17.83	-05 58 13.0		9 675	1995 YU ₉	1988 08 16.34878	21 16 04.32	-08 12 27.9		9 675
1995 OZ	1988 09 10.30677	22 44 46.90	-03 48 37.6		9 675	1996 BK ₂	1991 04 16.16354	11 20 53.78	+11 34 29.1	17.8	9 675
1995 OZ	1988 09 10.34444	22 44 44.83	-03 48 54.8	18.8	9 675	1996 BK ₂	1991 04 16.19306	11 20 52.96	+11 34 34.1		9 675
1995 QQ ₃	1991 10 06.32500	23 28 27.32	-11 06 57.9		9 675	1996 BO ₂	1994 11 27.29028	03 54 50.78	+25 47 47.5	18.0	9 675
1995 SC ₅	1994 05 10.34514	15 28 10.26	-19 04 53.6	17.8	9 675	1996 BO ₂	1994 11 27.32205	03 54 48.93	+25 47 39.2		9 675
1995 SC ₅	1994 05 10.37656	15 28 08.88	-19 04 48.6		9 675	1996 BQ ₂	1993 09 18.26806	00 03 21.90	-13 46 48.7	17.8	9 675
1995 SM ₂₁	1988 08 16.41233	22 53 23.19	-11 59 08.1	19.0	9 675	1996 BQ ₂	1993 09 18.30642	00 03 20.38	-13 47 06.0		9 675
1995 SM ₂₁	1988 09 11.22396	22 27 13.82	-12 12 54.9	17.8	9 675	1996 BR ₂	1988 09 12.25417	22 03 17.30	-12 31 23.6	18.8	9 675
1995 SM ₂₁	1988 09 11.25712	22 27 11.83	-12 12 54.0		9 675	1996 BR ₂	1988 09 12.28837	22 03 15.92	-12 31 30.2		9 675
1995 SM ₂₁	1988 09 12.25417	22 26 14.67	-12 12 21.0	18.5	9 675	1996 CM ₇	1991 12 01.32413	04 30 50.60	+41 24 55.2		9 675
1995 SM ₂₁	1988 09 12.28837	22 26 12.55	-12 12 20.7		9 675	1996 CM ₇	1991 12 01.35642	04 30 48.12	+41 24 47.5		9 675
1995 SB ₂₇	1988 09 11.22396	22 33 23.74	-11 49 02.8	17.8	9 675	1996 CM ₇	1994 07 13.35174	20 34 43.21	-30 10 11.7	18.0	9 675
1995 SB ₂₇	1988 09 11.25712	22 33 21.92	-11 49 09.1		9 675	1996 CM ₇	1994 07 13.38281	20 34 41.06	-30 10 15.5		9 675
1995 UV ₄	1994 07 12.37535	21 16 15.94	-36 12 52.6	16.2	9 675	1996 CR ₇	1988 03 18.39931	12 45 05.35	+10 32 49.4	17.8	9 675
1995 UV ₄	1994 07 12.40712	21 16 14.32	-36 13 10.4		9 675	1996 CR ₇	1988 03 18.42865	12 45 04.10	+10 33 07.5		9 675
1995 UM ₈	1988 08 16.38194	22 45 06.20	-16 01 51.2	18.5	9 675	1996 DF	1992 02 04.30365	07 46 37.98	+20 18 08.0	17.5	9 675
1995 UM ₈	1988 08 16.41233	22 45 04.37	-16 02 00.9		9 675	1996 DF	1992 02 04.33594	07 46 36.30	+20 18 17.3		9 675
1995 UM ₈	1988 09 11.21623	22 18 43.47	-17 50 17.9	19.0	9 675	1996 DQ ₂	1994 11 27.29809	03 47 43.45	+14 53 09.7	18.2	9 675
1995 UM ₈	1988 09 11.24931	22 18 41.43	-17 50 24.2		9 675	1996 DQ ₂	1994 11 27.32917	03 47 41.50	+14 53 07.0		9 675
1995 UB ₄₅	1988 08 16.31441	21 40 35.67	-08 51 53.9	16.8	9 675	1996 DV ₂	1994 11 27.29809	03 54 52.69	+14 13 03.0	18.0	9 675
1995 UB ₄₅	1988 08 16.34878	21 40 33.68	-08 52 01.8		9 675	1996 EV	1994 09 01.27726	22 29 28.91	-07 17 15.8		2 675
1995 UB ₄₅	1994 05 10.34514	15 04 04.06	-20 32 54.9	18.0	9 675	1996 EV	1994 09 01.30330	22 29 27.37	-07 17 34.6		2 675
1995 UB ₄₅	1994 05 10.37656	15 04 01.99	-20 32 44.9		9 675	1996 FW ₄	1991 06 14.39358	17 45 09.64	-24 25 23.0	16.5	2 675
1995 UB ₄₅	1994 06 08.24132	14 38 06.31	-18 01 46.7	18.5	9 675	1996 FW ₄	1991 06 14.41580	17 45 08.51	-24 25 23.7		2 675
1995 UV ₄₈	1994 10 01.42274	02 55 17.12	+27 03 36.1		9 675	1996 FW ₄	1991 06 16.42604	17 43 25.36	-24 25 57.7		2 675
1995 UV ₄₈	1994 10 01.45990	02 55 16.10	+27 03 34.8	18.5	9 675	1996 FW ₄	1991 06 16.45347	17 43 23.96	-24 25 56.7		2 675
1995 VR	1994 05 10.34514	15 03 31.18	-16 04 54.6	18.0	9 675	1996 HT	1993 09 20.21250	22 43 51.29	-02 16 09.8	17.8	9 675
1995 VR	1994 05 10.37656	15 03 29.43	-16 04 38.9		9 675	1996 HT	1993 09 20.25052	22 43 49.48	-02 16 20.8		9 675
1995 VR	1994 06 08.24132	14 41 53.05	-12 28 54.8		9 675	1996 HT ₁₄	1990 04 01.43212	13 15 28.52	-04 12 36.7	17.8	9 675
1995 VR	1994 06 08.27083	14 41 52.21	-12 28 43.7		9 675	1996 HT ₁₄	1990 04 01.47778	13 15 26.63	-04 12 23.9		9 675
1995 VS	1994 06 08.24132	14 29 25.45	-13 48 03.4	18.5	9 675	1996 JH	1993 09 20.21250	22 56 39.86	-01 47 07.0	17.2	9 675
1995 VS	1994 06 08.27083	14 29 24.53	-13 47 57.6		9 675	1996 JV	1989 07 05.40399	21 28 32.21	-17 34 27.4	16.2	9 675
1995 WU	1993 04 19.36788	14 35 45.80	-23 45 02.5	17.8	9 675	1996 JV	1989 07 05.43628	21 28 31.84	-17 35 05.8		9 675
1995 WU	1993 04 19.39821	14 35 44.05	-23 44 50.9		9 675	1996 NG	1991 09 07.46215	00 36 51.88	-06 09 22.8		2 675
1995 WU ₂	1989 09 02.44931	00 23 58.39	-04 47 09.8	17.8	9 675	1996 NG	1991 09 07.49080	00 36 50.83	-06 09 34.4		2 675
1995 WU ₂	1989 09 02.48160	00 23 57.20	-04 47 16.0		9 675	1996 NU ₁	1992 09 22.22378	22 36 37.39	+02 28 25.7	16.0	2 675
1995 WB ₇	1989 07 05.40399	21 20 56.97	-15 36 37.0	16.8	9 675	1996 NU ₁	1992 09 22.24983	22 36 36.11	+02 28 21.3		2 675
1995 WB ₇	1989 07 05.43628	21 20 55.88	-15 36 29.7		9 675	1996 NU ₁	1992 09 25.23299	22 34 24.87	+02 19 47.2		2 675
1995 WA ₈	1988 08 16.38194	22 39 41.93	-14 08 57.3	17.8	9 675	1996 NU ₁	1992 09 25.25608	22 34 23.99	+02 19 43.1		2 675
1995 WA ₈	1988 08 16.41233	22 39 40.11	-14 09 03.5		9 675	1996 SL ₇	1989 09 30.34010	00 45 10.80	+01 41 35.5	17.8	9 675
1995 WA ₈	1988 09 11.24931	22 12 45.36	-15 08 12.8	18.0	9 675	1996 SL ₇	1989 09 30.37500	00 45 08.51	+01 41 28.4		9 675
1995 WA ₈	1988 09 12.25417	22 11 48.59	-15 08 49.3	18.2	9 675	1996 TN	1989 09 30.34010	01 02 30.38	-00 28 13.9	16.5	9 675
1995 WA ₈	1988 09 12.28837	22 11 46.63	-15 08 52.4		9 675	1996 TN	1989 09 30.37500	01 02 28.16	-00 28 20.0		9 675
1995 WV ₄₂	1993 04 18.34948	14 37 51.08	+05 36 58.4		9 675	1996 TV ₁	1989 09 30.34010	00 46 08.48	+01 23 59.0	18.5	9 675
1995 WV ₄₂	1993 04 18.38177	14 37 49.49	+05 37 04.6	18.5	9 675	1996 TV ₁	1989 09 30.37500	00 46 06.50	+01 23 42.9		9 675

1996 TY ₉	1991 12 07.37535	05 56 06.97	+23 14 04.2	17.0	2 675	4543 P-L	1960 09 28.39725	00 30 59.30	+02 24 50.2	4 675
1996 TY ₉	1991 12 07.39844	05 56 04.90	+23 13 50.0		2 675	4543 P-L	1960 10 17.27085	00 13 37.88	+01 13 53.1	4 675
1996 TN ₁₀	1993 01 23.46007	10 30 08.98	+18 26 40.7	17.8	9 675	4543 P-L	1960 10 17.31529	00 13 35.78	+01 13 45.1	4 675
1996 TN ₁₀	1993 01 23.49566	10 30 07.43	+18 26 45.7		9 675	4543 P-L	1960 10 22.22293	00 10 21.72	+01 02 40.1	4 675
1996 UX	1991 10 07.41684	02 20 22.29	+15 16 40.7	16.8	9 675	4543 P-L	1960 10 24.35836	00 09 10.68	+00 59 10.5	4 675
1996 UX	1994 05 10.34514	15 16 18.01	-18 56 16.2	17.5	9 675	4543 P-L	1960 10 26.32573	00 08 13.67	+00 56 40.6	4 675
1996 UX	1994 05 10.37656	15 16 16.33	-18 56 09.5		9 675	4588 P-L	1988 09 10.30677	22 46 20.32	-02 43 26.1	9 675
1996 UX	1994 06 08.24132	14 54 30.82	-17 18 23.4	18.5	9 675	4588 P-L	1988 09 10.34444	22 46 18.52	-02 43 49.0	18.0 9 675
1996 VP	1988 08 16.38194	22 22 45.74	-15 50 29.2	17.5	9 675	4606 P-L	1994 05 10.34514	15 27 29.65	-18 50 33.4	18.0 9 675
1996 VP	1988 08 16.41233	22 22 43.93	-15 50 39.1		9 675	4606 P-L	1994 05 10.37656	15 27 27.66	-18 50 29.9	9 675
1996 VP	1988 09 11.21623	21 59 26.64	-17 33 23.4	18.5	9 675	4606 P-L	1994 06 08.24132	15 01 10.56	-17 46 15.4	18.2 9 675
1996 VP	1988 09 11.24931	21 59 25.01	-17 33 27.7		9 675	4606 P-L	1994 06 08.27083	15 01 09.34	-17 46 14.2	9 675
1996 VF ₂	1994 05 10.34514	15 16 24.78	-19 03 18.0	17.0	9 675	4614 P-L	1988 08 16.38194	22 36 59.03	-15 54 51.3	18.2 9 675
1996 VF ₂	1994 05 10.37656	15 16 23.25	-19 03 07.9		9 675	4614 P-L	1988 08 16.41233	22 36 57.49	-15 54 57.9	9 675
1996 VF ₂	1994 06 08.24132	14 56 00.39	-16 32 24.9	17.8	9 675	4614 P-L	1988 09 11.21623	22 15 05.65	-17 11 29.1	9 675
1996 VF ₂	1994 06 08.27083	14 55 59.39	-16 32 15.2		9 675	4614 P-L	1988 09 11.24931	22 15 03.97	-17 11 33.8	18.8 9 675
1996 VD ₄	1992 02 04.30365	07 58 14.34	+22 24 33.3	18.8	9 675	4614 P-L	1991 04 16.16354	10 53 51.67	+10 16 07.0	19.0 9 675
2025 P-L	1988 09 11.22396	22 43 06.96	-12 52 36.0	17.8	9 675	4614 P-L	1991 04 16.19306	10 53 51.16	+10 16 05.4	9 675
2025 P-L	1988 09 11.25712	22 43 05.42	-12 52 40.0		9 675	5011 P-L	1991 08 08.32569	22 03 28.32	-03 14 14.3	9 675
2561 P-L	1991 10 06.29097	23 14 51.46	-15 42 34.6	18.2	9 675	5011 P-L	1991 08 08.35660	22 03 26.69	-03 14 18.8	9 675
2561 P-L	1991 10 06.32500	23 14 50.11	-15 42 31.4		9 675	6063 P-L	1989 11 28.36840	04 50 24.39	+26 19 38.6	9 675
2575 P-L	1992 02 04.30365	07 57 28.83	+24 42 58.7	18.5	9 675	6381 P-L	1989 11 22.27101	02 08 00.40	+01 53 29.0	18.2 9 675
2575 P-L	1992 02 04.33594	07 57 27.13	+24 43 03.0		9 675	6381 P-L	1989 11 22.30694	02 07 59.14	+01 53 20.5	9 675
2610 P-L	1988 09 10.30677	22 50 32.37	-05 52 21.0		9 675	6556 P-L	1991 03 09.28889	11 17 19.48	+03 21 02.7	19.2 9 675
2610 P-L	1988 09 10.34444	22 50 30.46	-05 52 36.0	17.8	9 675	6556 P-L	1991 03 09.31788	11 17 18.18	+03 21 17.1	9 675
2636 P-L	1988 09 12.25417	21 54 02.28	-11 48 42.9	18.5	9 675	6588 P-L	1989 09 27.28976	00 07 41.59	-00 15 27.9	18.0 9 675
2636 P-L	1988 09 12.28837	21 54 01.08	-11 48 52.9		9 675	6588 P-L	1989 09 27.31615	00 07 40.46	-00 15 35.4	9 675
2777 P-L	1992 02 04.30365	07 39 12.01	+18 38 13.8	18.8	9 675	9060 P-L	* 1960 10 17.21390	23 34 14.87	-00 13 33.1	19.4 4 675
2777 P-L	1992 02 04.33594	07 39 10.12	+18 38 21.9		9 675	9060 P-L	1960 10 22.15559	23 31 45.69	-00 33 21.0	4 675
3045 P-L	1994 07 13.35174	20 48 07.47	-31 13 31.2	16.8	9 675	9060 P-L	1960 10 24.18787	23 30 55.56	-00 40 23.3	4 675
3045 P-L	1994 07 13.38281	20 48 05.47	-31 13 29.0		9 675	9060 P-L	1960 10 26.26113	23 30 11.17	-00 46 50.6	4 675
3078 P-L	1991 02 10.47865	11 38 44.67	-04 39 18.1	18.0	9 675	9515 P-L	1989 09 02.44931	00 30 59.16	-02 09 10.6	18.2 9 675
3078 P-L	1991 02 10.53073	11 38 43.03	-04 39 24.0		9 675	9515 P-L	1989 09 02.48160	00 30 57.95	-02 09 18.8	9 675
3538 P-L	1992 02 04.30365	07 44 04.92	+19 59 14.5	19.0	9 675	9530 P-L	1993 09 20.21250	23 01 23.72	-04 04 01.9	18.2 9 675
3538 P-L	1992 02 04.33594	07 44 03.00	+19 59 16.1		9 675	9530 P-L	1993 09 20.25052	23 01 21.78	-04 04 25.8	9 675
3557 P-L	1993 04 19.36788	14 53 41.84	-24 50 28.4	18.5	9 675	1024 T-1	1988 09 11.21623	22 05 44.28	-17 03 56.2	19.0 9 675
3557 P-L	1993 04 19.39821	14 53 39.84	-24 50 22.7		9 675	1024 T-1	1988 09 11.24931	22 05 43.28	-17 03 58.1	9 675
4031 P-L	1991 03 09.28889	11 34 22.10	+01 12 30.7	18.2	9 675	1024 T-1	1989 09 27.28976	00 05 33.48	+02 53 45.9	18.2 9 675
4031 P-L	1991 03 09.31788	11 34 20.22	+01 12 37.6		9 675	1024 T-1	1989 09 27.31615	00 05 32.53	+02 53 41.7	9 675
4037 P-L	1988 08 16.38194	22 35 19.48	-14 47 25.7		9 675	1181 T-1	1989 11 28.36840	04 35 18.06	+27 11 36.2	18.0 9 675
4037 P-L	1988 08 16.41233	22 35 17.69	-14 47 30.9		9 675	1181 T-1	1989 11 28.40712	04 35 15.84	+27 11 32.0	9 675
4037 P-L	1988 09 11.21623	22 08 54.51	-15 53 10.6	18.2	9 675	1217 T-1	1989 09 27.28976	23 52 50.40	+01 11 39.0	17.5 9 675
4037 P-L	1988 09 11.24931	22 08 52.70	-15 53 13.5		9 675	1217 T-1	1989 09 27.31615	23 52 48.92	+01 11 31.5	9 675
4186 P-L	1988 09 10.30677	23 02 49.55	-03 02 34.6		9 675	1251 T-1	1994 07 13.35174	20 46 51.72	-28 36 06.4	9 675
4186 P-L	1988 09 10.34444	23 02 47.71	-03 02 48.4	17.8	9 675	1251 T-1	1994 07 13.38281	20 46 50.04	-28 36 12.7	18.2 9 675
4206 P-L	1988 08 16.38194	22 53 44.35	-15 56 32.3	17.0	9 675	2120 T-1	1971 03 24.37118	12 07 04.52	+03 08 57.6	4 675
4206 P-L	1988 08 16.41233	22 53 42.28	-15 56 27.6		9 675	2120 T-1	1971 03 25.24340	12 06 18.72	+03 15 04.9	4 675
4206 P-L	1988 09 12.25417	22 23 04.14	-14 09 59.4	17.5	9 675	2120 T-1	* 1971 03 25.28715	12 06 16.34	+03 15 23.6	18.0 4 675
4206 P-L	1988 09 12.28837	22 23 01.96	-14 09 48.5		9 675	2120 T-1	1971 03 26.25208	12 05 25.52	+03 22 03.9	4 675
4543 P-L	* 1960 09 24.41183	00 35 03.37	+02 42 16.6	17.6	4 675	2120 T-1	1971 03 27.31181	12 04 29.52	+03 29 21.6	4 675
4543 P-L	1960 09 26.31530	00 33 07.43	+02 33 58.1		4 675	2120 T-1	1971 04 02.41285	11 59 16.67	+04 09 00.0	4 675
4543 P-L	1960 09 27.40836	00 32 00.08	+02 29 10.9		4 675	2120 T-1	1971 04 16.16458	11 49 34.95	+05 17 17.2	4 675

2120 T-1	1971 04 16.25069	11 49 31.93	+05 17 35.9		4 675	2076 T-2	1973 09 20.26458	00 35 26.19	+03 30 02.0		4 675
2120 T-1	1971 05 13.17535	11 45 00.38	+05 34 42.0	18.5	4 675	2076 T-2	1973 09 24.36181	00 31 31.72	+02 57 56.9		4 675
2120 T-1	1971 05 14.20694	11 45 15.58	+05 32 14.5		4 675	2076 T-2	1973 09 24.42847	00 31 27.73	+02 57 26.7		4 675
2120 T-1	1971 05 16.31510	11 45 52.23	+05 26 36.0		4 675	2076 T-2	1973 09 25.25642	00 30 39.87	+02 50 49.0		4 675
2245 T-1	1988 08 16.38194	22 51 28.56	-13 16 37.0	18.8	9 675	2076 T-2	1973 09 25.32031	00 30 36.06	+02 50 19.6		4 675
2245 T-1	1988 08 16.41233	22 51 26.90	-13 16 48.7		9 675	2076 T-2	1973 09 29.26632	00 26 44.45	+02 18 51.6		4 675
2245 T-1	1988 09 11.22396	22 28 14.82	-15 36 56.2	19.0	9 675	2076 T-2	1973 09 29.29219	00 26 42.97	+02 18 37.3		4 675
2245 T-1	1988 09 11.25712	22 28 13.02	-15 37 05.3		9 675	2076 T-2	* 1973 09 29.33073	00 26 40.46	+02 18 18.8	19.1	4 675
3182 T-1	1971 03 25.33090	12 32 38.11	-07 10 39.7		4 675	2076 T-2	1973 09 29.35694	00 26 38.98	+02 18 05.8		4 675
3182 T-1	1971 03 26.29653	12 31 55.02	-07 06 03.5		4 675	2076 T-2	1973 09 30.22257	00 25 48.46	+02 11 11.7		4 675
3182 T-1	* 1971 03 26.33611	12 31 53.22	-07 05 51.5	19.3	4 675	2076 T-2	1973 09 30.24826	00 25 46.78	+02 11 01.9		4 675
3182 T-1	1971 03 27.33854	12 31 08.49	-07 01 01.5		4 675	2076 T-2	1973 09 30.28785	00 25 44.43	+02 10 41.5		4 675
3182 T-1	1971 04 02.42604	12 26 36.28	-06 30 54.2		4 675	2076 T-2	1973 09 30.31476	00 25 42.75	+02 10 29.1		4 675
4161 T-1	1971 03 24.40486	12 31 35.43	-02 04 38.7		4 675	2076 T-2	1973 10 04.30208	00 21 51.14	+01 39 02.4		4 675
4161 T-1	1971 03 24.42015	12 31 34.83	-02 04 29.7		4 675	2076 T-2	1973 10 04.32708	00 21 49.60	+01 38 54.9		4 675
4161 T-1	1971 03 25.33090	12 30 52.54	-01 55 19.3		4 675	2076 T-2	1973 10 04.36476	00 21 47.51	+01 38 31.8		4 675
4161 T-1	1971 03 26.31007	12 30 07.02	-01 45 33.6		4 675	2076 T-2	1973 10 04.38889	00 21 45.97	+01 38 24.8		4 675
4161 T-1	* 1971 03 26.34896	12 30 05.10	-01 45 08.6	17.9	4 675	2076 T-2	1973 10 05.32917	00 20 52.61	+01 31 05.2		4 675
4161 T-1	1971 03 27.35208	12 29 18.15	-01 35 03.2		4 675	2076 T-2	1973 10 05.35382	00 20 51.03	+01 30 55.0		4 675
4161 T-1	1971 04 02.43993	12 24 32.04	-00 33 48.5		4 675	2076 T-2	1973 10 05.39132	00 20 48.85	+01 30 37.7		4 675
4161 T-1	1971 04 16.21476	12 14 33.23	+01 35 57.9		4 675	2076 T-2	1973 10 05.41597	00 20 47.31	+01 30 26.3		4 675
4161 T-1	1971 04 16.27708	12 14 30.59	+01 36 30.1		4 675	2224 T-2	1991 03 09.28889	11 32 44.63	+05 55 03.2	18.8	9 675
4161 T-1	1971 05 13.17535	12 03 58.44	+04 24 58.4	19.0	4 675	2224 T-2	1991 03 09.31788	11 32 43.33	+05 55 13.0		9 675
4161 T-1	1971 05 14.20694	12 03 52.88	+04 28 37.0		4 675	2246 T-2	1991 10 07.41684	02 07 53.60	+10 49 16.5		9 675
4161 T-1	1971 05 16.31510	12 03 46.22	+04 35 23.9		4 675	2257 T-2	1989 11 28.36840	05 00 13.50	+27 20 57.9	18.2	9 675
4177 T-1	1994 05 10.34514	15 13 38.42	-21 25 34.2	18.2	9 675	2257 T-2	1989 11 28.40712	05 00 10.88	+27 20 57.3		9 675
4177 T-1	1994 05 10.37656	15 13 36.09	-21 25 29.5		9 675	3060 T-2	1988 09 11.22396	22 25 01.38	-14 47 55.1	18.8	9 675
1179 T-2	1991 03 09.28889	11 17 33.95	+02 10 59.3	18.2	9 675	3060 T-2	1988 09 11.25712	22 24 59.56	-14 48 02.6		9 675
1179 T-2	1991 03 09.31788	11 17 32.37	+02 11 09.9		9 675	3187 T-2	1988 09 11.22396	22 38 45.24	-16 20 33.9	17.8	9 675
1277 T-2	1973 09 19.18611	00 24 18.50	+01 40 41.0		4 675	3187 T-2	1988 09 11.25712	22 38 43.22	-16 20 37.3		9 675
1277 T-2	1973 09 19.22500	00 24 16.79	+01 40 30.7		4 675	3270 T-2	1973 09 19.22500	00 30 01.15	-02 19 24.3		4 675
1277 T-2	1973 09 19.23785	00 24 16.22	+01 40 25.0		4 675	3270 T-2	1973 09 19.27865	00 29 58.14	-02 19 44.0		4 675
1277 T-2	1973 09 19.27865	00 24 14.41	+01 40 15.6		4 675	3270 T-2	1973 09 20.30278	00 29 03.42	-02 25 36.6		4 675
1277 T-2	1973 09 20.22847	00 23 35.26	+01 35 10.1		4 675	3270 T-2	1973 09 24.38750	00 25 19.23	-02 49 01.9		4 675
1277 T-2	1973 09 24.34688	00 20 40.49	+01 13 01.1		4 675	3270 T-2	1973 09 24.45434	00 25 15.46	-02 49 25.3		4 675
1277 T-2	1973 09 24.38750	00 20 38.62	+01 12 49.6		4 675	3270 T-2	1973 09 25.28125	00 24 29.47	-02 54 08.5		4 675
1277 T-2	1973 09 24.41597	00 20 37.31	+01 12 38.4		4 675	3270 T-2	1973 09 25.34601	00 24 25.74	-02 54 30.5		4 675
1277 T-2	1973 09 24.45434	00 20 35.70	+01 12 27.5		4 675	3270 T-2	1973 09 29.27986	00 20 44.16	-03 16 32.4		4 675
1277 T-2	1973 09 25.30729	00 19 59.07	+01 07 50.0		4 675	3270 T-2	1973 09 29.29219	00 20 43.71	-03 16 36.9		4 675
1277 T-2	* 1973 09 29.25330	00 17 08.76	+00 46 25.6	18.0	4 675	3270 T-2	1973 09 29.34375	00 20 40.44	-03 16 51.3		4 675
1277 T-2	1973 09 29.31806	00 17 05.84	+00 46 04.3		4 675	3270 T-2	1973 09 29.35694	00 20 39.98	-03 16 56.8		4 675
1277 T-2	1973 09 30.21007	00 16 27.42	+00 41 17.6		4 675	3270 T-2	1973 09 30.23524	00 19 50.33	-03 21 45.8		4 675
1277 T-2	1973 09 30.27431	00 16 24.55	+00 40 58.3		4 675	3270 T-2	* 1973 09 30.30174	00 19 46.51	-03 22 06.7	18.9	4 675
1277 T-2	1973 10 04.28958	00 13 34.21	+00 19 47.8		4 675	3270 T-2	1973 10 04.31493	00 16 01.51	-03 43 08.6		4 675
1277 T-2	1973 10 04.35208	00 13 31.39	+00 19 29.2		4 675	3270 T-2	1973 10 04.37674	00 15 57.97	-03 43 27.5		4 675
1277 T-2	1973 10 05.31684	00 12 51.56	+00 14 31.2		4 675	3270 T-2	1973 10 05.34167	00 15 04.51	-03 48 16.8		4 675
1277 T-2	1973 10 05.37917	00 12 48.87	+00 14 11.8		4 675	3270 T-2	1973 10 05.40347	00 15 01.00	-03 48 36.2		4 675
1353 T-2	1989 09 27.31615	00 01 21.97	-00 00 44.5		9 675	3289 T-2	1988 08 16.31441	21 31 50.69	-07 45 10.7	17.2	9 675
1402 T-2	1989 09 27.28976	23 48 05.71	+00 34 21.8	18.8	9 675	3289 T-2	1988 08 16.34878	21 31 49.11	-07 45 22.3		9 675
1402 T-2	1989 09 27.31615	23 48 04.36	+00 34 14.7		9 675	3357 T-2	1994 01 07.35642	07 30 56.85	+23 41 49.2		9 675
2076 T-2	1973 09 19.19948	00 36 25.71	+03 38 12.9		4 675	4216 T-2	1988 08 16.31441	21 18 23.46	-08 42 11.1	17.2	9 675
2076 T-2	1973 09 19.25006	00 36 22.80	+03 37 46.8		4 675	4216 T-2	1988 08 16.34878	21 18 22.19	-08 42 21.2		9 675

4216 T-2	1989 11 22.27101	01 52 08.65	+02 14 37.8	18.5	9 675	(133)	1992 11 26.32483	03 17 41.54	+28 31 16.4	9 675
4216 T-2	1989 11 22.30694	01 52 07.73	+02 14 32.8		9 675	(133)	1992 11 26.35660	03 17 39.92	+28 31 08.6	9 675
5077 T-2	1973 09 20.21458	00 18 33.68	+12 11 17.2		4 675	(142)	1993 09 20.21250	22 56 01.08	-03 29 41.0	9 675
5077 T-2	1973 09 20.29253	00 18 29.38	+12 11 01.4		4 675	(142)	1993 09 20.25052	22 55 59.10	-03 29 53.2	9 675
5077 T-2	1973 09 24.40035	00 14 41.97	+11 55 19.4		4 675	(144)	1988 08 16.38194	22 36 27.64	-18 06 07.3	9 675
5077 T-2	1973 09 24.47986	00 14 37.40	+11 55 00.7		4 675	(144)	1988 08 16.41233	22 36 26.25	-18 06 18.5	9 675
5077 T-2	* 1973 09 25.29375	00 13 52.45	+11 51 32.4	19.8	4 675	(144)	1988 09 11.21623	22 16 10.59	-20 14 43.2	9 675
5077 T-2	1973 09 25.35903	00 13 48.51	+11 51 14.3		4 675	(144)	1988 09 11.24931	22 16 09.14	-20 14 48.6	9 675
5077 T-2	1973 09 29.24062	00 10 12.16	+11 33 16.2		4 675	(153)	1994 11 27.29809	04 02 13.52	+18 08 46.1	9 675
5077 T-2	1973 09 29.30486	00 10 08.42	+11 32 57.2		4 675	(153)	1994 11 27.32917	04 02 12.29	+18 08 39.6	9 675
1076 T-3	1994 10 01.42274	02 48 37.98	+29 10 27.5		9 675	(157)	1994 07 12.37535	20 48 50.68	-33 36 10.7	9 675
1076 T-3	1994 10 01.45990	02 48 37.21	+29 10 36.7	17.2	9 675	(157)	1994 07 12.40712	20 48 48.89	-33 36 23.9	9 675
2372 T-3	1993 09 20.21250	22 38 40.37	-03 02 36.9	17.8	9 675	(157)	1994 07 13.35174	20 47 58.94	-33 42 31.0	9 675
2372 T-3	1993 09 20.25052	22 38 39.00	-03 02 47.2		9 675	(157)	1994 07 13.38281	20 47 57.19	-33 42 42.8	9 675
3186 T-3	1994 05 10.34514	15 08 21.86	-17 06 19.5	18.5	9 675	(158)	1994 05 10.34514	15 13 58.34	-19 09 04.2	9 675
3186 T-3	1994 05 10.37656	15 08 19.91	-17 06 13.6		9 675	(158)	1994 05 10.37656	15 13 56.67	-19 08 57.9	9 675
3476 T-3	1994 01 07.38646	07 12 01.13	+22 59 22.9		9 675	(158)	1994 06 08.24132	14 52 21.51	-17 31 11.0	9 675
(16)	1989 07 05.40399	21 15 58.41	-13 50 00.7		9 675	(158)	1994 06 08.27083	14 52 20.50	-17 31 05.8	9 675
(16)	1989 07 05.43628	21 15 57.54	-13 50 05.2		9 675	(160)	1994 05 10.34514	15 15 42.18	-22 11 46.3	9 675
(17)	1989 09 02.44931	00 09 41.66	-06 16 21.8		9 675	(160)	1994 05 10.37656	15 15 40.39	-22 11 41.2	9 675
(17)	1989 09 02.48160	00 09 40.18	-06 16 36.8		9 675	(162)	1988 08 16.38194	22 51 56.51	-15 19 32.3	9 675
(18)	1988 09 11.22396	22 47 35.87	-13 11 05.0		9 675	(162)	1988 08 16.41233	22 51 55.22	-15 19 40.5	9 675
(18)	1988 09 11.25712	22 47 34.49	-13 11 32.0		9 675	(162)	1988 09 11.22396	22 32 21.73	-16 57 28.9	9 675
(20)	1992 02 04.30365	07 58 39.04	+19 19 39.9		9 675	(162)	1988 09 11.25712	22 32 20.23	-16 57 34.8	9 675
(20)	1992 02 04.33594	07 58 37.27	+19 19 45.1		9 675	(178)	1991 04 16.16354	11 01 37.51	+08 42 13.5	9 675
(34)	1993 09 20.21250	22 47 12.34	-04 57 45.7		9 675	(178)	1991 04 16.19306	11 01 36.82	+08 42 15.7	9 675
(34)	1993 09 20.25052	22 47 10.63	-04 58 00.2		9 675	(184)	1988 09 12.25417	22 13 48.03	-10 51 03.1	9 675
(39)	1990 04 01.43212	13 09 58.70	+02 30 35.5		9 675	(184)	1988 09 12.28837	22 13 46.66	-10 51 10.0	9 675
(39)	1990 04 01.47778	13 09 56.55	+02 30 55.9		9 675	(195)	1988 09 11.22396	22 43 26.85	-13 06 25.7	9 675
(40)	1992 02 04.30365	08 06 37.40	+24 06 09.4		9 675	(195)	1988 09 11.25712	22 43 25.17	-13 06 30.9	9 675
(40)	1992 02 04.33594	08 06 35.36	+24 06 17.5		9 675	(221)	1989 09 02.44931	00 13 28.87	-07 54 20.6	9 675
(40)	1994 11 27.29809	03 53 19.46	+16 02 29.3		9 675	(221)	1989 09 02.48160	00 13 27.76	-07 54 37.4	9 675
(40)	1994 11 27.32917	03 53 17.36	+16 02 27.6		9 675	(222)	1989 07 05.40399	21 22 36.35	-17 45 21.9	9 675
(43)	1989 11 28.36840	05 00 32.38	+23 59 37.3		9 675	(222)	1989 07 05.43628	21 22 35.48	-17 45 27.7	9 675
(43)	1989 11 28.40712	05 00 29.56	+23 59 30.6		9 675	(224)	1987 11 26.32292	01 50 25.32	+18 27 59.8	9 675
(45)	1991 04 16.16354	11 06 44.13	+11 05 26.0		9 675	(224)	1987 11 26.35694	01 50 24.13	+18 27 52.6	9 675
(45)	1991 04 16.19306	11 06 43.54	+11 05 30.7		9 675	(227)	1988 09 12.25417	21 55 26.40	-11 10 41.0	9 675
(47)	1989 09 27.28976	00 05 11.75	+00 23 29.7		9 675	(227)	1988 09 12.28837	21 55 24.98	-11 10 43.2	9 675
(47)	1989 09 27.31615	00 05 10.33	+00 23 24.2		9 675	(228)	1989 03 09.40174	12 08 44.65	-04 01 05.2	9 675
(49)	1982 09 20.44514	23 06 27.65	-00 33 06.6		9 675	(228)	1989 03 09.43281	12 08 42.87	-04 00 56.2	9 675
(49)	1982 09 20.47361	23 06 26.34	-00 33 14.3		9 675	(229)	1989 07 05.40399	21 11 31.28	-19 25 02.6	9 675
(50)	1994 06 08.24132	14 38 02.03	-11 55 01.7		9 675	(229)	1989 07 05.43628	21 11 30.44	-19 25 07.8	9 675
(50)	1994 06 08.27083	14 38 01.00	-11 54 57.5		9 675	(251)	1988 08 16.31441	21 29 08.13	-10 45 59.2	9 675
(62)	1990 04 01.43212	13 08 50.00	-04 11 37.4		9 675	(251)	1988 08 16.34878	21 29 06.59	-10 46 12.0	9 675
(62)	1990 04 01.47778	13 08 48.04	-04 11 23.9		9 675	(254)	1990 04 01.43212	13 11 52.45	-05 25 09.1	9 675
(69)	1982 08 19.45486	23 57 33.57	+03 14 35.6		9 675	(254)	1990 04 01.47778	13 11 49.54	-05 24 59.4	9 675
(69)	1982 08 19.48194	23 57 32.83	+03 14 29.4		9 675	(254)	1991 10 07.41684	02 19 52.40	+13 46 20.1	9 675
(75)	1989 11 28.36840	04 50 38.90	+30 22 51.9		9 675	(254)	1991 10 07.45260	02 19 50.34	+13 46 14.8	9 675
(75)	1989 11 28.40712	04 50 36.06	+30 22 49.7		9 675	(261)	1989 09 02.44931	00 26 15.83	-03 21 54.1	9 675
(105)	1989 11 02.39774	02 38 28.67	-02 19 00.4		9 675	(261)	1989 09 02.48160	00 26 14.46	-03 22 05.4	9 675
(105)	1989 11 02.43507	02 38 26.59	-02 19 22.5		9 675	(266)	1987 11 26.32292	02 14 26.03	+16 59 02.9	9 675
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(268)	1990 04 01.43212	13 12 25.39	-03 40 48.2	9 675	(441)	1991 08 08.35660	21 45 29.81	-01 16 39.0	9 675
(268)	1990 04 01.47778	13 12 23.31	-03 40 34.7	9 675	(451)	1994 07 13.35174	20 14 29.69	-30 20 29.9	9 675
(275)	1982 08 19.45486	00 03 01.34	-03 46 41.1	9 675	(451)	1994 07 13.38281	20 14 28.09	-30 20 42.3	9 675
(275)	1982 08 19.48194	00 03 00.50	-03 46 48.4	9 675	(452)	1989 07 05.40399	21 13 46.05	-18 39 04.2	9 675
(300)	1982 08 19.45486	00 11 57.02	+00 24 06.3	9 675	(452)	1989 07 05.43628	21 13 45.01	-18 39 11.3	9 675
(300)	1982 08 19.48194	00 11 56.37	+00 24 02.1	9 675	(459)	1989 09 30.34010	00 51 32.29	-01 49 02.7	9 675
(304)	1993 09 18.26806	23 56 01.57	-10 34 16.4	9 675	(459)	1989 09 30.37500	00 51 30.08	-01 49 03.1	9 675
(304)	1993 09 18.30642	23 56 00.10	-10 34 58.0	9 675	(459)	1991 04 16.16354	11 01 52.47	+15 02 46.0	9 675
(308)	1988 08 16.34878	21 33 48.98	-09 47 11.1	9 675	(459)	1991 04 16.19306	11 01 51.65	+15 02 41.8	9 675
(310)	1993 09 20.21250	22 38 46.14	-04 02 08.8	9 675	(469)	1989 11 28.21771	02 53 01.56	+33 18 12.5	9 675
(310)	1993 09 20.25052	22 38 44.51	-04 02 20.6	9 675	(469)	1989 11 28.26406	02 52 59.19	+33 18 00.3	9 675
(312)	1989 11 28.21771	02 50 43.83	+26 15 53.0	9 675	(471)	1988 03 18.39931	12 50 25.29	+17 15 16.4	9 675
(312)	1989 11 28.26406	02 50 41.46	+26 15 44.1	9 675	(471)	1988 03 18.42865	12 50 23.88	+17 15 26.2	9 675
(320)	1994 05 10.34514	15 03 09.41	-15 19 09.1	9 675	(487)	1988 03 18.39931	12 46 10.16	+10 47 47.5	9 675
(320)	1994 05 10.37656	15 03 07.86	-15 18 58.0	9 675	(487)	1988 03 18.42865	12 46 08.76	+10 48 00.3	9 675
(320)	1994 06 08.24132	14 44 03.63	-12 56 28.2	9 675	(504)	1994 01 07.35642	07 35 15.24	+23 26 05.7	9 675
(320)	1994 06 08.27083	14 44 02.74	-12 56 21.5	9 675	(504)	1994 01 07.38646	07 35 13.40	+23 26 16.7	9 675
(332)	1991 10 07.41684	02 22 03.53	+13 53 04.3	9 675	(528)	1989 11 28.36840	04 58 31.95	+29 45 19.5	9 675
(332)	1991 10 07.45260	02 22 01.92	+13 52 58.5	9 675	(528)	1989 11 28.40712	04 58 29.89	+29 45 23.5	9 675
(343)	1991 04 16.16354	11 00 22.60	+09 45 42.0	9 675	(534)	1989 09 02.44931	00 07 00.59	-04 32 59.7	9 675
(343)	1991 04 16.19306	11 00 21.87	+09 45 43.3	9 675	(534)	1989 09 02.48160	00 06 59.27	-04 33 09.6	9 675
(348)	1989 11 22.27101	02 15 47.51	+02 08 46.2	9 675	(542)	1991 04 16.16354	10 57 46.28	+12 34 09.4	9 675
(348)	1989 11 22.30694	02 15 46.03	+02 08 48.1	9 675	(542)	1991 04 16.19306	10 57 45.66	+12 34 15.4	9 675
(355)	1988 08 16.38194	22 26 22.35	-12 34 45.4	9 675	(556)	1994 01 07.35642	07 11 27.09	+22 22 25.2	9 675
(355)	1988 08 16.41233	22 26 20.66	-12 34 52.3	9 675	(556)	1994 01 07.38646	07 11 25.00	+22 22 23.1	9 675
(355)	1988 09 12.25417	22 02 06.29	-14 04 39.4	9 675	(572)	1989 03 09.40174	12 04 55.97	-05 43 56.9	9 675
(355)	1988 09 12.28837	22 02 04.61	-14 04 44.0	9 675	(572)	1989 03 09.43281	12 04 54.42	-05 43 41.6	9 675
(363)	1994 05 10.34514	15 20 49.42	-16 07 30.1	9 675	(611)	1993 09 20.21250	22 30 42.03	-00 16 05.1	9 675
(363)	1994 05 10.37656	15 20 47.64	-16 07 27.4	9 675	(611)	1993 09 20.25052	22 30 40.62	-00 16 23.2	9 675
(363)	1994 06 08.24132	14 56 53.54	-15 31 01.3	9 675	(613)	1993 01 23.46007	10 23 02.12	+16 39 37.0	9 675
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(376)	1992 02 04.30365	07 40 19.79	+21 35 01.8	9 675	(639)	1991 08 08.35660	21 57 54.05	-02 18 29.2	9 675
(376)	1992 02 04.33594	07 40 17.76	+21 35 02.0	9 675	(651)	1991 10 07.41684	02 21 58.78	+11 06 21.8	9 675
(379)	1985 05 24.34317	14 57 20.55	-14 45 40.7	9 675	(651)	1991 10 07.45260	02 21 57.14	+11 06 21.3	9 675
(381)	1988 09 11.21623	21 59 09.46	-21 04 47.5	9 675	(707)	1987 11 26.32292	01 56 38.05	+18 48 10.3	9 675
(381)	1988 09 11.24931	21 59 08.29	-21 04 56.8	9 675	(707)	1987 11 26.35694	01 56 37.10	+18 47 56.1	9 675
(381)	1989 11 02.43507	02 57 38.43	-01 17 37.4	9 675	(715)	1994 05 10.34514	15 21 47.22	-20 40 41.8	9 675
(388)	1991 12 03.38351	05 46 54.25	+32 44 45.9	9 675	(715)	1994 05 10.37656	15 21 45.24	-20 40 44.2	9 675
(388)	1991 12 03.41701	05 46 52.17	+32 44 47.1	9 675	(722)	1991 10 07.41684	02 17 54.35	+09 52 18.3	9 675
(398)	1989 11 28.36840	04 58 22.39	+31 14 21.0	9 675	(722)	1991 10 07.45260	02 17 52.18	+09 52 13.7	9 675
(398)	1989 11 28.40712	04 58 20.07	+31 14 04.8	9 675	(723)	1988 09 12.25417	22 05 23.54	-10 42 41.0	9 675
(399)	1994 10 01.42274	02 49 59.31	+30 36 45.0	9 675	(723)	1988 09 12.28837	22 05 22.19	-10 42 51.3	9 675
(399)	1994 10 01.45990	02 49 58.08	+30 36 52.0	9 675	(740)	1988 03 18.39931	12 46 34.61	+11 57 45.6	9 675
(401)	1989 09 30.34010	00 43 01.67	+00 17 18.0	9 675	(740)	1988 03 18.42865	12 46 33.38	+11 57 59.7	9 675
(401)	1989 09 30.37500	00 43 00.04	+00 17 10.6	9 675	(740)	1993 01 23.46007	10 29 26.86	+17 13 01.3	9 675
(413)	1994 07 13.35174	20 48 02.06	-28 03 06.5	9 675	(740)	1993 01 23.49566	10 29 25.92	+17 13 17.8	9 675
(413)	1994 07 13.38281	20 48 01.12	-28 03 45.0	9 675	(749)	1991 10 06.29097	23 22 55.18	-12 55 13.6	9 675
(427)	1992 02 04.30365	07 59 10.21	+20 01 32.9	9 675	(749)	1991 10 06.32500	23 22 53.67	-12 55 19.6	9 675
(427)	1992 02 04.33594	07 59 08.57	+20 01 34.8	9 675	(754)	1989 09 30.34010	01 03 52.56	-01 31 03.0	9 675
(441)	1991 08 08.32569	21 45 31.32	-01 16 35.6	9 675	(754)	1989 09 30.37500	01 03 51.12	-01 31 27.4	9 675

(758)	1988 09 11.22396	22 53 15.63	-14 31 23.8	9 675	(1026)	1990 04 01.43212	13 11 17.54	+02 21 30.5	9 675
(758)	1988 09 11.25712	22 53 14.14	-14 31 34.0	9 675	(1026)	1990 04 01.47778	13 11 14.81	+02 21 49.3	9 675
(758)	1994 10 03.32986	00 41 30.59	-04 45 51.0	9 675	(1049)	1993 01 23.46007	10 46 39.57	+13 44 37.6	17.0 9 675
(758)	1994 10 03.35990	00 41 29.24	-04 46 00.1	9 675	(1049)	1993 01 23.49566	10 46 38.26	+13 44 40.3	9 675
(765)	1993 04 19.39821	14 44 09.84	-23 53 03.1	9 675	(1053)	1988 09 11.21623	22 13 07.89	-20 39 24.2	9 675
(772)	1992 04 05.14653	06 23 14.83	+46 28 00.7	9 675	(1053)	1988 09 11.24931	22 13 06.09	-20 39 25.8	9 675
(772)	1992 04 05.18872	06 23 17.93	+46 27 51.8	9 675	(1054)	1994 07 13.35174	20 41 31.56	-28 04 44.2	9 675
(786)	1994 07 13.35174	20 24 11.73	-30 01 04.0	9 675	(1054)	1994 07 13.38281	20 41 30.12	-28 04 57.0	9 675
(786)	1994 07 13.38281	20 24 10.18	-30 01 17.4	9 675	(1072)	1988 09 11.21623	22 14 14.14	-22 11 07.7	9 675
(817)	1989 07 05.40399	21 05 45.79	-15 42 01.6	9 675	(1072)	1988 09 11.24931	22 14 12.55	-22 11 10.3	9 675
(817)	1989 07 05.43628	21 05 44.78	-15 42 13.6	9 675	(1075)	1989 11 02.39774	02 56 00.42	+00 32 30.0	9 675
(820)	1993 01 23.46007	10 24 21.52	+13 44 22.1	9 675	(1075)	1989 11 02.43507	02 55 58.42	+00 32 26.3	9 675
(820)	1993 01 23.49566	10 24 20.36	+13 44 33.0	9 675	(1076)	1988 09 11.22396	22 42 47.97	-10 01 58.5	9 675
(822)	1985 09 21.22031	21 40 50.22	-12 55 56.3	9 675	(1076)	1988 09 11.25712	22 42 46.20	-10 02 11.5	9 675
(840)	1989 11 28.36840	05 01 20.04	+27 33 49.6	9 675	(1082)	1982 08 19.45486	23 53 11.63	-01 40 48.4	9 675
(843)	1992 11 26.32483	03 21 23.42	+30 28 55.6	9 675	(1082)	1982 08 19.48194	23 53 10.94	-01 40 53.5	9 675
(843)	1992 11 26.35660	03 21 21.11	+30 28 49.2	9 675	(1085)	1992 02 04.30365	07 55 29.15	+17 52 11.1	15.8 9 675
(846)	1982 08 19.45486	00 04 10.07	+00 52 50.0	9 675	(1085)	1992 02 04.33594	07 55 27.69	+17 52 18.7	9 675
(846)	1982 08 19.48194	00 04 09.54	+00 52 47.1	9 675	(1092)	1989 03 09.40174	12 13 12.40	-08 26 50.3	9 675
(856)	1989 07 05.40399	21 11 55.05	-15 04 58.5	9 675	(1092)	1989 03 09.43281	12 13 11.04	-08 26 45.5	9 675
(856)	1989 07 05.43628	21 11 53.98	-15 05 14.9	9 675	(1117)	1988 09 11.22396	22 36 43.22	-11 24 08.9	9 675
(874)	1991 08 08.32569	22 09 46.17	+00 12 28.3	9 675	(1117)	1988 09 11.25712	22 36 41.81	-11 24 23.9	9 675
(874)	1991 08 08.35660	22 09 44.95	+00 12 19.9	9 675	(1122)	1993 01 23.46007	10 49 24.71	+14 56 37.7	9 675
(890)	1988 08 16.31441	21 07 28.50	-09 53 34.6	9 675	(1122)	1993 01 23.49566	10 49 23.45	+14 56 49.6	9 675
(890)	1988 08 16.34878	21 07 26.98	-09 53 47.9	9 675	(1124)	1991 04 16.16354	11 05 32.91	+10 59 20.2	9 675
(890)	1989 11 22.27101	02 21 35.02	+00 08 31.8	9 675	(1124)	1991 04 16.19306	11 05 32.11	+10 59 18.6	9 675
(890)	1989 11 22.30694	02 21 33.63	+00 08 26.8	9 675	(1126)	1989 09 27.28976	23 47 48.20	-01 40 32.3	9 675
(891)	1994 01 07.35642	07 34 24.95	+23 05 05.5	9 675	(1126)	1989 09 27.31615	23 47 46.56	-01 40 38.6	9 675
(891)	1994 01 07.38646	07 34 23.23	+23 05 17.5	9 675	(1127)	1988 03 18.39931	12 36 55.97	+15 12 33.3	9 675
(910)	1991 10 06.29097	23 32 09.17	-15 05 09.8	9 675	(1127)	1988 03 18.42865	12 36 54.44	+15 12 48.7	9 675
(910)	1991 10 06.32500	23 32 07.71	-15 05 10.0	9 675	(1142)	1989 09 27.28976	00 06 09.21	-01 31 39.4	9 675
(911)	1994 07 12.37535	20 41 17.19	-35 33 54.5	9 675	(1142)	1989 09 27.31615	00 06 08.04	-01 31 47.2	9 675
(911)	1994 07 12.40712	20 41 15.95	-35 33 57.2	9 675	(1149)	1994 11 27.29028	03 59 44.74	+26 31 38.1	9 675
(938)	1991 04 16.16354	11 07 01.90	+08 42 37.7	9 675	(1149)	1994 11 27.32205	03 59 42.92	+26 31 24.9	9 675
(938)	1991 04 16.19306	11 07 01.04	+08 42 42.3	9 675	(1158)	1989 03 09.40174	11 55 36.38	-04 38 06.6	9 675
(961)	1992 11 26.32483	03 51 11.71	+30 27 37.6	9 675	(1158)	1989 03 09.43281	11 55 34.42	-04 38 05.3	9 675
(961)	1992 11 26.35660	03 51 09.57	+30 27 36.6	9 675	(1164)	1991 10 06.29097	23 14 55.63	-17 34 50.6	9 675
(967)	1994 11 27.29809	03 54 48.80	+16 55 50.6	9 675	(1164)	1991 10 06.32500	23 14 54.14	-17 35 09.8	9 675
(967)	1994 11 27.32917	03 54 46.58	+16 55 49.6	9 675	(1185)	1990 07 21.41111	21 16 02.95	-24 21 42.7	15.0 2 675
(969)	1992 02 04.30365	07 57 57.73	+19 39 01.3	9 675	(1185)	1990 07 21.43889	21 16 01.32	-24 21 53.7	2 675
(970)	1992 02 04.30365	08 06 14.63	+21 13 56.0	9 675	(1216)	1993 09 18.26806	23 58 02.28	-12 36 11.3	9 675
(970)	1992 02 04.33594	08 06 12.67	+21 13 55.1	9 675	(1216)	1993 09 18.30642	23 57 59.98	-12 36 31.0	9 675
(975)	1994 06 08.24132	14 30 09.04	-15 41 36.2	9 675	(1228)	1989 03 09.40174	12 08 54.07	-05 17 00.6	9 675
(975)	1994 06 08.27083	14 30 08.26	-15 41 34.0	9 675	(1228)	1989 03 09.43281	12 08 52.58	-05 16 54.4	9 675
(1008)	1988 09 11.22396	22 39 48.56	-18 04 06.1	9 675	(1229)	1989 09 27.28976	00 10 26.48	+01 37 03.4	9 675
(1008)	1988 09 11.25712	22 39 46.92	-18 04 08.7	9 675	(1229)	1989 09 27.31615	00 10 25.26	+01 36 55.6	9 675
(1016)	1992 11 26.32483	03 32 12.94	+29 04 20.9	9 675	(1257)	1994 05 10.34514	15 10 07.65	-15 48 00.4	9 675
(1016)	1992 11 26.35660	03 32 10.61	+29 04 18.5	9 675	(1257)	1994 05 10.37656	15 10 05.87	-15 47 49.0	9 675
(1017)	1989 11 06.29097	00 57 43.67	-06 18 14.3	9 675	(1257)	1994 06 08.24132	14 49 01.06	-13 28 24.9	9 675
(1017)	1989 11 06.32170	00 57 42.47	-06 18 14.5	9 675	(1257)	1994 06 08.27083	14 49 00.21	-13 28 19.8	9 675
(1017)	1993 09 18.26806	00 06 16.10	-10 40 56.7	9 675	(1268)	1989 11 28.36840	05 04 55.32	+28 48 08.9	9 675
(1017)	1993 09 18.30642	00 06 14.14	-10 41 13.2	9 675	(1268)	1989 11 28.40712	05 04 53.53	+28 48 07.2	9 675

(1279)	1988 08 16.38194	22 26 14.46	-11 16 27.7	9 675	(1524)	1988 09 11.24931	22 10 19.46	-15 48 29.7	9 675
(1279)	1988 08 16.41233	22 26 12.55	-11 16 30.2	9 675	(1533)	1989 11 22.27101	01 57 46.69	-01 45 06.7	9 675
(1279)	1988 09 12.25417	22 00 36.65	-11 42 44.4	9 675	(1533)	1989 11 22.30694	01 57 45.51	-01 45 10.3	9 675
(1279)	1988 09 12.28837	22 00 35.07	-11 42 43.3	9 675	(1542)	1994 05 10.37656	15 10 00.04	-16 31 39.7	9 675
(1286)	1989 03 09.40174	11 57 40.28	-05 52 09.5	9 675	(1542)	1994 06 08.24132	14 50 10.53	-14 53 32.9	9 675
(1286)	1989 03 09.43281	11 57 39.00	-05 51 58.0	9 675	(1542)	1994 06 08.27083	14 50 09.56	-14 53 28.2	9 675
(1291)	1991 10 07.41684	02 26 54.43	+15 51 47.0	9 675	(1555)	1985 09 21.22031	21 28 09.43	-10 59 48.1	9 675
(1291)	1991 10 07.45260	02 26 53.10	+15 51 35.6	9 675	(1555)	1985 09 21.25694	21 28 08.70	-10 59 43.9	9 675
(1323)	1994 11 27.29028	04 01 48.77	+29 22 51.9	9 675	(1561)	1988 08 16.31441	21 31 45.24	-07 34 49.8	9 675
(1323)	1994 11 27.32205	04 01 46.78	+29 22 54.2	9 675	(1576)	1994 01 07.35642	07 27 28.96	+20 40 07.0	9 675
(1325)	1993 01 23.46007	10 38 34.73	+17 08 10.2	9 675	(1576)	1994 01 07.38646	07 27 27.29	+20 40 11.2	9 675
(1325)	1993 01 23.49566	10 38 33.22	+17 08 18.1	9 675	(1602)	1988 09 11.22396	22 40 17.39	-15 52 15.1	9 675
(1336)	1994 01 07.35642	07 28 36.44	+22 50 21.8	9 675	(1602)	1988 09 11.25712	22 40 15.46	-15 52 24.8	9 675
(1336)	1994 01 07.38646	07 28 34.73	+22 50 26.8	9 675	(1617)	1989 11 06.29097	01 24 20.04	-05 41 39.6	9 675
(1341)	1994 01 07.35642	07 10 41.02	+21 58 38.9	9 675	(1617)	1989 11 06.32170	01 24 18.95	-05 41 45.1	9 675
(1341)	1994 01 07.38646	07 10 39.21	+21 58 49.6	9 675	(1632)	1989 03 09.40174	12 04 07.95	-03 59 13.0	9 675
(1350)	1982 08 19.45486	23 58 33.35	-02 22 05.6	9 675	(1632)	1989 03 09.43281	12 04 06.51	-03 59 02.0	9 675
(1350)	1982 08 19.48194	23 58 32.61	-02 22 13.3	9 675	(1633)	1982 08 19.45486	00 19 46.33	-01 06 54.4	9 675
(1355)	1993 04 19.36788	14 33 24.88	-24 43 03.5	9 675	(1633)	1982 08 19.48194	00 19 45.74	-01 07 00.0	9 675
(1355)	1993 04 19.39821	14 33 23.09	-24 42 16.0	9 675	(1635)	1994 11 27.29809	04 07 40.27	+18 31 31.3	9 675
(1376)	1990 02 27.28455	08 34 27.90	+16 20 18.6	16.0 2 675	(1635)	1994 11 27.32917	04 07 38.45	+18 31 27.1	9 675
(1376)	1990 02 27.30868	08 34 26.87	+16 20 28.7	2 675	(1641)	1993 09 20.21250	22 55 59.88	-02 04 02.9	9 675
(1376)	1990 02 28.28270	08 33 46.34	+16 24 25.1	2 675	(1641)	1993 09 20.25052	22 55 58.01	-02 04 07.2	9 675
(1376)	1990 02 28.29618	08 33 45.70	+16 24 33.0	2 675	(1643)	1992 02 04.30365	07 55 26.78	+19 17 47.0	9 675
(1378)	1989 11 28.36840	04 52 53.07	+25 11 40.6	9 675	(1643)	1992 02 04.33594	07 55 24.93	+19 17 48.8	9 675
(1378)	1989 11 28.40712	04 52 50.44	+25 11 39.9	9 675	(1654)	1989 11 28.21771	03 08 24.09	+26 05 20.2	9 675
(1381)	1989 09 27.28976	00 04 36.67	+02 22 35.2	9 675	(1654)	1989 11 28.26406	03 08 21.59	+26 05 18.0	9 675
(1381)	1989 09 27.31615	00 04 35.10	+02 22 31.9	9 675	(1662)	1982 09 20.44514	23 15 10.38	-01 55 21.7	9 675
(1383)	1988 09 12.25417	22 14 04.93	-10 53 52.0	9 675	(1662)	1982 09 20.47361	23 15 08.94	-01 55 28.9	9 675
(1383)	1988 09 12.28837	22 14 03.54	-10 53 59.4	9 675	(1670)	1989 11 28.36840	05 04 32.84	+26 51 59.4	9 675
(1391)	1993 01 23.46007	10 46 18.53	+16 23 38.2	9 675	(1670)	1989 11 28.40712	05 04 30.46	+26 52 06.6	9 675
(1391)	1993 01 23.49566	10 46 17.93	+16 23 54.7	9 675	(1689)	1990 04 01.43212	13 29 25.65	+00 33 15.2	9 675
(1402)	1994 10 01.42274	02 50 44.57	+32 54 02.1	9 675	(1689)	1990 04 01.47778	13 29 23.30	+00 33 32.1	9 675
(1402)	1994 10 01.45990	02 50 43.34	+32 54 01.6	9 675	(1702)	1994 01 07.35642	07 12 30.11	+23 01 54.1	9 675
(1432)	1991 04 16.16354	11 06 56.92	+15 31 29.9	9 675	(1702)	1994 01 07.38646	07 12 28.40	+23 02 02.7	9 675
(1432)	1991 04 16.19306	11 06 56.00	+15 31 32.3	9 675	(1706)	1987 11 26.32292	01 57 02.66	+14 38 19.5	9 675
(1435)	1994 05 10.37656	15 16 29.41	-14 04 23.1	9 675	(1706)	1987 11 26.35694	01 57 01.29	+14 38 10.2	9 675
(1435)	1994 06 08.24132	14 54 04.00	-12 22 08.8	9 675	(1708)	1988 08 16.31441	21 28 28.19	-07 33 30.2	9 675
(1435)	1994 06 08.27083	14 54 02.92	-12 22 05.4	9 675	(1708)	1988 08 16.34878	21 28 26.43	-07 33 39.8	9 675
(1448)	1991 10 06.29097	23 19 32.34	-11 53 57.6	17.8 9 675	(1717)	1988 09 12.25417	22 21 35.20	-10 16 21.2	9 675
(1448)	1991 10 06.32500	23 19 30.56	-11 54 02.0	9 675	(1717)	1988 09 12.28837	22 21 33.04	-10 16 25.8	9 675
(1449)	1989 11 22.27101	01 59 53.93	+01 51 55.1	16.2 9 675	(1740)	1989 07 05.43628	21 15 25.93	-15 33 28.1	9 675
(1449)	1989 11 22.30694	01 59 52.36	+01 51 55.1	9 675	(1744)	1987 11 26.32292	02 05 59.53	+15 08 08.2	9 675
(1449)	1994 01 07.35642	07 29 06.02	+21 29 26.6	9 675	(1744)	1987 11 26.35694	02 05 57.96	+15 08 01.7	9 675
(1449)	1994 01 07.38646	07 29 03.88	+21 29 36.5	9 675	(1758)	1991 10 06.29097	23 30 17.11	-17 55 47.4	9 675
(1507)	1994 01 07.35642	07 35 28.77	+22 28 39.1	9 675	(1758)	1991 10 06.32500	23 30 15.82	-17 55 53.2	9 675
(1507)	1994 01 07.38646	07 35 26.36	+22 28 38.1	9 675	(1761)	1988 09 11.22396	22 34 44.78	-12 31 40.0	9 675
(1519)	1991 04 16.16354	11 06 04.72	+12 36 21.5	9 675	(1761)	1988 09 11.25712	22 34 43.39	-12 31 47.3	9 675
(1519)	1991 04 16.19306	11 06 03.84	+12 36 20.2	9 675	(1762)	1990 04 01.43212	13 04 37.46	-04 50 49.7	9 675
(1524)	1988 08 16.38194	22 33 10.01	-15 46 20.6	9 675	(1762)	1990 04 01.47778	13 04 35.31	-04 50 35.0	9 675
(1524)	1988 08 16.41233	22 33 08.39	-15 46 22.0	9 675	(1775)	1991 10 07.41684	02 21 51.33	+09 53 39.3	9 675
(1524)	1988 09 11.21623	22 10 21.09	-15 48 31.2	9 675	(1775)	1991 10 07.45260	02 21 49.77	+09 53 20.0	9 675

(1779)	1994 01 07.35642	07 22 28.97	+21 15 54.1	9 675	(1770)	1993 09 20.21250	22 52 36.06	-00 40 45.6	9 675
(1779)	1994 01 07.38646	07 22 26.75	+21 15 58.4	9 675	(1770)	1993 09 20.25052	22 52 34.24	-00 40 54.7	9 675
(1783)	1989 09 27.28976	00 04 34.66	+02 50 29.2	9 675	(1778)	1991 10 07.41684	02 28 32.51	+10 12 48.3	9 675
(1783)	1989 09 27.31615	00 04 33.36	+02 50 14.9	9 675	(1778)	1991 10 07.45260	02 28 30.48	+10 12 44.2	9 675
(1788)	1991 10 07.41684	02 11 29.43	+12 29 31.3	9 675	(1778)	1993 01 23.46007	10 54 15.12	+13 55 50.1	9 675
(1788)	1991 10 07.45260	02 11 27.92	+12 29 23.2	9 675	(1778)	1993 01 23.49566	10 54 13.84	+13 56 01.0	9 675
(1793)	1989 09 27.28976	23 48 31.03	+00 45 07.8	9 675	(1789)	1989 09 02.44931	00 38 04.64	-02 37 18.6	9 675
(1793)	1989 09 27.31615	23 48 29.50	+00 44 57.4	9 675	(1789)	1989 09 02.48160	00 38 03.18	-02 37 22.1	9 675
(1801)	1989 11 06.29097	01 20 12.25	-05 18 42.6	9 675	(2006)	1991 12 03.38351	05 58 31.63	+32 37 13.0	9 675
(1801)	1989 11 06.32170	01 20 10.98	-05 18 40.8	9 675	(2018)	1989 09 27.28976	23 52 57.38	-00 14 42.3	9 675
(1827)	1993 09 20.21250	22 59 29.15	-00 32 39.4	9 675	(2018)	1989 09 27.31615	23 52 56.10	-00 14 55.1	9 675
(1827)	1993 09 20.25052	22 59 27.31	-00 32 54.1	9 675	(2021)	1989 09 30.34010	01 06 23.02	-00 05 07.7	9 675
(1831)	1989 09 30.34010	00 59 49.83	-03 06 31.9	9 675	(2021)	1989 09 30.37500	01 06 21.21	-00 05 26.6	9 675
(1831)	1989 09 30.37500	00 59 47.61	-03 06 42.6	9 675	(2025)	1982 08 19.45486	23 56 00.60	+02 59 06.1	9 675
(1833)	1982 08 19.45486	00 21 07.55	-00 56 14.0	9 675	(2025)	1982 08 19.48194	23 55 59.65	+02 59 05.3	9 675
(1840)	1994 06 08.24132	14 31 00.93	-15 35 14.5	9 675	(2025)	1994 10 01.42274	03 05 08.00	+26 21 35.2	9 675
(1840)	1994 06 08.27083	14 31 00.12	-15 35 11.8	9 675	(2025)	1994 10 01.45990	03 05 06.99	+26 21 37.2	9 675
(1846)	1989 11 28.36840	04 35 55.31	+26 47 21.5	9 675	(2030)	1989 09 27.28976	00 07 49.51	-00 13 27.5	9 675
(1846)	1989 11 28.40712	04 35 52.60	+26 47 20.3	9 675	(2030)	1989 09 27.31615	00 07 47.95	-00 13 39.2	9 675
(1851)	1988 09 12.25417	22 00 18.90	-14 20 44.7	9 675	(2039)	1988 09 11.22396	22 42 56.12	-11 33 06.9	9 675
(1851)	1988 09 12.28837	22 00 17.52	-14 20 48.9	9 675	(2039)	1988 09 11.25712	22 42 54.64	-11 33 14.7	9 675
(1855)	1989 09 27.28976	00 02 27.63	+01 09 03.9	9 675	(2040)	1993 09 18.30642	00 03 57.39	-15 45 37.0	9 675
(1855)	1989 09 27.31615	00 02 26.08	+01 08 52.4	9 675	(2052)	1994 05 10.34514	15 22 39.38	-14 20 15.9	9 675
(1876)	1992 02 04.30365	07 36 18.48	+22 31 22.4	9 675	(2052)	1994 05 10.37656	15 22 37.85	-14 20 06.6	9 675
(1879)	1982 08 19.45486	23 57 07.52	+02 57 48.8	9 675	(2079)	1982 08 19.45486	00 03 54.87	-01 26 16.5	9 675
(1879)	1982 08 19.48194	23 57 06.80	+02 57 46.1	9 675	(2079)	1994 07 12.37535	20 52 29.58	-34 46 29.4	9 675
(1879)	1982 09 20.44514	23 32 40.65	+00 32 35.3	9 675	(2079)	1994 07 12.40712	20 52 27.59	-34 46 34.9	9 675
(1879)	1982 09 20.47361	23 32 38.93	+00 32 24.7	9 675	(2088)	1991 12 03.38351	05 31 52.63	+33 37 15.5	9 675
(1899)	1991 10 06.29097	23 20 39.43	-14 44 11.5	9 675	(2088)	1991 12 03.41701	05 31 50.18	+33 37 19.0	9 675
(1899)	1991 10 06.32500	23 20 37.76	-14 44 12.6	9 675	(2090)	1989 03 09.40174	12 09 45.77	-07 19 57.6	9 675
(1899)	1994 07 13.35174	20 34 10.90	-30 36 20.7	9 675	(2090)	1989 03 09.43281	12 09 44.31	-07 19 55.3	9 675
(1899)	1994 07 13.38281	20 34 08.85	-30 36 32.1	9 675	(2094)	1993 04 19.36788	14 52 35.70	-25 21 54.0	9 675
(1908)	1987 11 26.32292	02 03 23.96	+16 01 41.9	9 675	(2094)	1993 04 19.39821	14 52 33.95	-25 21 46.9	9 675
(1908)	1987 11 26.35694	02 03 22.73	+16 01 36.5	9 675	(2110)	1994 05 10.34514	15 09 14.70	-15 31 55.2	9 675
(1910)	1982 09 20.44514	23 23 47.82	+03 38 52.1	9 675	(2110)	1994 05 10.37656	15 09 12.62	-15 31 46.6	9 675
(1910)	1982 09 20.47361	23 23 46.69	+03 38 39.2	9 675	(2110)	1994 06 08.24132	14 42 18.10	-13 43 20.2	9 675
(1918)	1991 10 07.41684	02 04 56.91	+10 00 11.3	9 675	(2110)	1994 06 08.27083	14 42 16.91	-13 43 16.6	9 675
(1918)	1991 10 07.45260	02 04 55.46	+09 59 56.6	9 675	(2114)	1989 09 27.28976	23 53 33.60	-00 43 21.1	9 675
(1925)	1991 10 06.29097	23 29 17.94	-17 03 45.6	9 675	(2114)	1989 09 27.31615	23 53 32.46	-00 43 28.8	9 675
(1925)	1991 10 06.32500	23 29 16.74	-17 03 49.1	9 675	(2117)	1989 09 02.44931	00 17 43.22	-02 35 09.1	9 675
(1950)	1988 08 16.38194	22 30 41.55	-17 09 30.5	9 675	(2117)	1989 09 02.48160	00 17 42.01	-02 35 17.2	9 675
(1950)	1988 08 16.41233	22 30 39.70	-17 09 42.9	9 675	(2117)	1989 09 27.28976	23 58 58.03	-04 29 05.0	9 675
(1950)	1988 09 11.21623	22 04 56.85	-19 26 23.2	9 675	(2117)	1989 09 27.31615	23 58 56.72	-04 29 11.5	9 675
(1950)	1988 09 11.24931	22 04 55.06	-19 26 29.9	17.5 9 675	(2129)	1991 04 16.16354	11 06 06.02	+13 29 32.5	19.0 9 675
(1956)	1994 01 07.35642	07 22 24.52	+20 29 56.3	9 675	(2129)	1991 04 16.19306	11 06 05.27	+13 29 32.6	9 675
(1956)	1994 01 07.38646	07 22 22.91	+20 30 00.8	9 675	(2155)	1989 09 27.28976	00 12 34.17	-01 15 12.9	9 675
(1967)	1994 05 10.34514	15 25 24.99	-18 00 28.8	9 675	(2155)	1989 09 27.31615	00 12 32.78	-01 15 19.8	9 675
(1967)	1994 05 10.37656	15 25 22.88	-18 00 24.0	9 675	(2163)	1982 08 19.45486	00 06 56.05	-02 38 01.7	9 675
(1967)	1994 06 08.24132	14 57 00.67	-16 53 35.2	9 675	(2163)	1982 08 19.48194	00 06 55.58	-02 38 07.9	9 675
(1967)	1994 06 08.27083	14 56 59.26	-16 53 31.8	9 675	(2181)	1991 10 06.29097	23 21 19.50	-12 16 29.5	9 675
(1970)	1988 08 16.31441	21 32 42.07	-12 48 21.6	9 675	(2181)	1991 10 06.32500	23 21 17.72	-12 16 28.6	9 675
(1970)	1988 08 16.34878	21 32 40.23	-12 48 27.5	9 675	(2189)	1993 04 18.34948	14 28 52.38	+08 08 25.0	9 675

(2189)	1993 04 18.38177	14 28 50.53	+08 08 38.1	9 675	(2409)	1989 07 05.40399	21 21 01.45	-13 05 20.3	9 675
(2194)	1994 07 13.35174	20 20 07.83	-33 31 01.0	9 675	(2409)	1989 07 05.43628	21 21 01.06	-13 05 25.4	9 675
(2194)	1994 07 13.38281	20 20 05.71	-33 31 12.0	9 675	(2415)	1982 08 19.45486	00 07 36.15	-03 02 51.7	9 675
(2197)	1994 01 07.35642	07 30 59.00	+24 53 27.9	9 675	(2415)	1982 08 19.48194	00 07 35.42	-03 02 57.4	9 675
(2197)	1994 01 07.38646	07 30 57.39	+24 53 32.7	9 675	(2415)	1991 10 07.41684	02 15 13.09	+10 04 07.8	9 675
(2207)	1989 09 30.34010	00 54 08.29	+00 51 06.0	9 675	(2415)	1991 10 07.45260	02 15 11.46	+10 03 59.2	9 675
(2207)	1989 09 30.37500	00 54 07.28	+00 50 58.3	9 675	(2445)	1993 09 18.26806	00 05 08.03	-11 59 30.1	9 675
(2212)	1991 10 07.45260	02 20 25.71	+13 51 23.4	9 675	(2445)	1993 09 18.30642	00 05 05.72	-11 59 45.8	9 675
(2225)	1989 09 30.34010	00 38 49.21	-01 12 45.6	9 675	(2446)	1989 09 02.44931	00 23 07.80	-00 30 14.0	9 675
(2225)	1989 09 30.37500	00 38 47.44	-01 12 55.9	9 675	(2446)	1989 09 27.28976	23 59 58.80	-02 19 49.5	9 675
(2233)	1985 09 21.22031	21 35 50.22	-08 12 38.7	9 675	(2446)	1989 09 27.31615	23 59 57.25	-02 19 56.0	9 675
(2233)	1985 09 21.25694	21 35 49.17	-08 12 48.1	9 675	(2450)	1989 09 27.28976	00 13 46.54	-02 02 21.8	9 675
(2259)	1994 01 07.35642	07 30 13.83	+20 40 02.2	9 675	(2450)	1989 09 27.31615	00 13 45.34	-02 02 30.7	9 675
(2259)	1994 01 07.38646	07 30 11.75	+20 40 04.1	9 675	(2453)	1993 04 19.36788	14 38 12.14	-22 39 52.2	9 675
(2267)	1993 04 19.36788	15 06 45.16	-21 15 36.6	9 675	(2453)	1993 04 19.39821	14 38 10.59	-22 39 50.5	9 675
(2267)	1993 04 19.39821	15 06 43.70	-21 15 33.9	9 675	(2466)	1989 09 27.28976	00 09 04.15	-02 53 26.3	9 675
(2281)	1992 02 04.30365	07 51 46.21	+18 32 02.3	17.5 9 675	(2466)	1989 09 27.31615	00 09 02.90	-02 53 38.9	9 675
(2293)	1991 10 07.41684	02 12 59.03	+13 27 09.5	9 675	(2484)	1994 01 07.35642	07 10 31.12	+20 27 51.8	9 675
(2293)	1991 10 07.45260	02 12 57.60	+13 27 02.8	9 675	(2484)	1994 01 07.38646	07 10 29.02	+20 27 56.9	9 675
(2310)	1994 05 10.34514	15 20 55.93	-14 43 53.1	9 675	(2500)	1991 10 07.41684	02 17 38.25	+09 18 29.8	9 675
(2310)	1994 05 10.37656	15 20 54.42	-14 43 47.7	9 675	(2500)	1991 10 07.45260	02 17 36.29	+09 18 24.4	9 675
(2310)	1994 06 08.24132	15 00 46.97	-13 36 43.2	9 675	(2504)	1982 08 19.45486	00 13 15.35	-00 38 30.3	9 675
(2310)	1994 06 08.27083	15 00 45.96	-13 36 40.5	9 675	(2507)	1992 02 04.30365	07 38 06.92	+18 48 26.5	9 675
(2318)	1992 02 04.30365	07 51 37.02	+17 50 38.6	9 675	(2507)	1992 02 04.33594	07 38 05.35	+18 48 36.8	9 675
(2325)	1994 05 10.34514	15 10 33.58	-15 01 45.0	9 675	(2511)	1991 10 06.29097	23 38 12.66	-17 27 26.5	9 675
(2325)	1994 05 10.37656	15 10 32.19	-15 01 38.7	9 675	(2511)	1991 10 06.32500	23 38 11.05	-17 27 27.5	9 675
(2325)	1994 06 08.24132	14 51 07.54	-13 46 13.8	9 675	(2519)	1990 04 01.43212	13 12 53.65	-04 15 19.1	9 675
(2325)	1994 06 08.27083	14 51 06.54	-13 46 10.8	9 675	(2519)	1994 01 07.35642	07 23 00.19	+23 27 43.7	9 675
(2344)	1988 08 16.38194	22 55 11.21	-12 56 33.9	9 675	(2519)	1994 01 07.38646	07 22 58.58	+23 27 47.4	9 675
(2344)	1988 08 16.41233	22 55 09.99	-12 56 45.1	9 675	(2536)	1988 08 16.31441	21 10 26.67	-08 30 00.6	9 675
(2344)	1988 09 11.22396	22 36 11.93	-15 24 49.9	9 675	(2536)	1988 08 16.34878	21 10 24.61	-08 30 02.9	9 675
(2344)	1988 09 11.25712	22 36 10.45	-15 24 58.7	9 675	(2537)	1994 07 13.35174	20 26 36.75	-33 48 56.8	9 675
(2344)	1991 04 16.16354	11 12 16.23	+10 39 28.2	17.2 9 675	(2537)	1994 07 13.38281	20 26 34.76	-33 48 56.9	9 675
(2344)	1991 04 16.19306	11 12 15.35	+10 39 30.7	9 675	(2546)	1994 10 01.45990	02 56 47.92	+31 29 28.4	9 675
(2361)	1992 02 04.30365	08 10 42.70	+22 37 00.5	9 675	(2558)	1990 04 01.43212	13 11 25.96	-02 38 43.1	9 675
(2361)	1992 02 04.33594	08 10 40.98	+22 37 02.9	9 675	(2558)	1990 04 01.47778	13 11 23.08	-02 38 31.7	9 675
(2362)	1989 09 02.44931	00 19 01.22	-00 59 01.5	9 675	(2559)	1993 04 19.36788	14 47 09.77	-26 37 21.6	9 675
(2362)	1989 09 02.48160	00 18 59.98	-00 59 01.4	9 675	(2559)	1993 04 19.39821	14 47 08.10	-26 37 19.1	9 675
(2362)	1989 09 27.28976	23 57 59.29	-01 29 22.2	9 675	(2561)	1990 04 01.47778	13 10 03.44	-05 16 04.5	9 675
(2362)	1989 09 27.31615	23 57 57.70	-01 29 24.4	9 675	(2567)	1989 11 02.39774	02 48 44.44	+01 24 52.3	9 675
(2374)	1993 01 23.46007	10 51 35.10	+14 10 37.2	9 675	(2567)	1989 11 02.43507	02 48 42.41	+01 24 42.0	9 675
(2383)	1982 08 19.45486	00 21 12.69	-00 18 08.8	9 675	(2578)	1994 05 10.34514	15 26 23.28	-17 45 29.0	9 675
(2383)	1982 08 19.48194	00 21 11.77	-00 18 11.3	9 675	(2579)	1994 11 27.29028	03 40 48.14	+26 05 28.4	9 675
(2385)	1989 09 30.34010	00 56 53.70	+00 33 18.1	9 675	(2579)	1994 11 27.32205	03 40 45.95	+26 05 15.9	9 675
(2385)	1989 09 30.37500	00 56 51.85	+00 33 00.7	9 675	(2587)	1990 04 01.43212	13 23 47.39	-04 49 56.8	9 675
(2386)	1988 09 11.22396	22 34 29.63	-16 08 37.6	9 675	(2587)	1990 04 01.47778	13 23 45.32	-04 49 44.3	9 675
(2386)	1988 09 11.25712	22 34 27.86	-16 08 36.8	9 675	(2606)	1982 09 20.44514	23 16 00.91	+03 22 05.4	9 675
(2391)	1982 08 19.45486	00 04 36.42	+00 09 52.2	9 675	(2606)	1982 09 20.47361	23 15 59.74	+03 21 52.5	9 675
(2391)	1982 08 19.48194	00 04 35.70	+00 09 45.8	9 675	(2620)	1989 07 05.40399	21 27 32.31	-18 47 49.7	9 675
(2394)	1992 02 04.30365	07 36 08.10	+21 16 45.9	9 675	(2620)	1989 07 05.43628	21 27 31.46	-18 47 55.5	9 675
(2394)	1992 02 04.33594	07 36 06.71	+21 16 49.4	9 675	(2628)	1989 07 05.43628	21 12 56.10	-13 59 28.1	9 675
(2399)	1988 09 12.28837	22 10 07.59	-13 56 30.7	9 675	(2632)	1991 12 03.38351	05 37 29.56	+36 37 02.8	9 675

(2632)	1991 12 03.41701	05 37 27.60	+36 37 04.5	9 675	(2835)	1994 06 08.27083	14 44 34.68	-17 29 31.4	9 675
(2651)	1992 02 04.30365	08 10 30.96	+19 24 42.6	16.0 9 675	(2837)	1991 10 07.41684	02 11 24.44	+10 31 34.8	9 675
(2651)	1992 02 04.33594	08 10 29.28	+19 25 01.5	9 675	(2837)	1991 10 07.45260	02 11 22.89	+10 31 27.4	9 675
(2656)	1994 11 27.29809	04 03 56.27	+17 40 53.6	9 675	(2839)	1994 05 10.34514	15 04 03.39	-17 56 30.5	16.8 9 675
(2656)	1994 11 27.32917	04 03 54.04	+17 40 50.9	9 675	(2839)	1994 05 10.37656	15 04 01.34	-17 56 26.5	9 675
(2657)	1994 05 10.34514	15 02 08.53	-17 04 11.4	9 675	(2867)	1994 07 12.37535	21 06 49.10	-34 39 19.0	9 675
(2657)	1994 05 10.37656	15 02 07.06	-17 04 05.9	9 675	(2867)	1994 07 12.40712	21 06 47.72	-34 39 36.6	9 675
(2657)	1994 06 08.24132	14 42 56.19	-15 53 10.0	9 675	(2887)	1990 04 01.43212	13 15 10.51	+00 39 51.0	9 675
(2657)	1994 06 08.27083	14 42 55.21	-15 53 06.7	9 675	(2887)	1990 04 01.47778	13 15 07.94	+00 40 10.5	9 675
(2659)	1988 09 12.25417	22 17 49.91	-10 35 21.6	9 675	(2890)	1988 09 11.22396	22 33 41.55	-12 40 52.4	9 675
(2659)	1988 09 12.28837	22 17 48.49	-10 35 29.6	9 675	(2897)	1991 10 07.41684	02 27 15.66	+10 55 12.0	9 675
(2665)	1993 09 20.21250	22 54 16.52	+01 29 18.7	9 675	(2897)	1991 10 07.45260	02 27 13.81	+10 55 06.8	9 675
(2667)	1989 07 05.40399	21 22 12.68	-18 31 24.7	9 675	(2907)	1985 09 21.25694	21 52 08.92	-08 43 06.8	9 675
(2667)	1989 07 05.43628	21 22 11.87	-18 31 29.9	9 675	(2913)	1989 11 28.21771	02 42 26.37	+28 42 54.4	9 675
(2668)	1989 03 09.40174	12 10 40.75	-06 02 00.4	9 675	(2913)	1989 11 28.26406	02 42 23.48	+28 43 00.7	9 675
(2668)	1989 03 09.43281	12 10 39.14	-06 01 53.6	9 675	(2916)	1988 09 12.25417	22 13 31.50	-07 55 24.1	9 675
(2668)	1992 02 04.33594	07 46 36.06	+20 46 16.4	9 675	(2916)	1988 09 12.28837	22 13 29.64	-07 55 32.0	9 675
(2670)	1988 08 16.31441	21 15 19.75	-07 23 03.3	9 675	(2924)	1989 09 02.44931	00 22 39.78	-02 13 49.5	9 675
(2670)	1988 08 16.34878	21 15 18.10	-07 23 07.0	9 675	(2924)	1989 09 02.48160	00 22 38.63	-02 13 59.7	9 675
(2691)	1988 09 12.25417	22 17 15.82	-08 18 29.8	9 675	(2924)	1989 09 27.28976	00 04 46.64	-04 28 26.4	9 675
(2691)	1988 09 12.28837	22 17 13.96	-08 18 37.6	9 675	(2924)	1989 09 27.31615	00 04 45.40	-04 28 35.0	9 675
(2704)	1989 03 09.40174	11 57 30.58	-04 14 28.4	9 675	(2933)	1991 04 16.16354	11 03 22.24	+15 06 27.2	16.5 9 675
(2704)	1989 03 09.43281	11 57 28.93	-04 14 16.1	9 675	(2933)	1991 04 16.19306	11 03 21.56	+15 06 29.4	9 675
(2722)	1989 09 27.28976	23 56 30.11	-02 15 47.7	9 675	(2947)	1994 11 27.29028	04 09 07.99	+24 54 39.1	9 675
(2722)	1989 09 27.31615	23 56 28.94	-02 15 55.2	9 675	(2947)	1994 11 27.32205	04 09 05.81	+24 54 30.5	9 675
(2724)	1991 04 16.16354	10 53 32.54	+09 05 45.1	9 675	(2967)	1994 10 03.32986	00 46 00.57	-07 52 53.5	9 675
(2724)	1991 04 16.19306	10 53 31.91	+09 05 49.2	9 675	(2967)	1994 10 03.35990	00 45 58.83	-07 52 53.0	9 675
(2730)	1994 07 13.35174	20 20 36.78	-30 11 42.3	9 675	(2973)	1988 09 12.25417	21 55 59.06	-12 38 44.4	9 675
(2730)	1994 07 13.38281	20 20 34.97	-30 11 46.5	9 675	(2973)	1988 09 12.28837	21 55 57.36	-12 38 50.1	9 675
(2731)	1989 11 06.29097	01 06 18.83	-08 14 25.8	9 675	(2979)	1989 11 06.29097	01 19 06.83	-06 49 35.0	9 675
(2731)	1989 11 06.32170	01 06 17.91	-08 14 29.4	9 675	(2979)	1989 11 06.32170	01 19 05.85	-06 49 38.3	9 675
(2738)	1982 08 19.48194	00 03 00.63	+01 47 39.8	9 675	(2982)	1993 09 18.26806	23 42 06.59	-15 09 03.0	9 675
(2746)	1989 09 27.28976	00 13 31.06	+00 38 32.3	9 675	(2982)	1993 09 18.30642	23 42 04.57	-15 09 10.2	9 675
(2746)	1989 09 27.31615	00 13 29.53	+00 38 20.0	9 675	(2983)	1989 03 09.40174	11 49 30.96	-05 25 41.7	9 675
(2747)	1994 11 27.29028	03 42 26.06	+27 54 56.4	9 675	(2983)	1989 03 09.43281	11 49 29.47	-05 25 32.8	9 675
(2747)	1994 11 27.32205	03 42 24.31	+27 54 51.2	9 675	(2997)	1993 01 23.46007	10 46 39.09	+12 53 30.6	9 675
(2756)	1994 07 13.35174	20 38 19.28	-26 23 24.7	9 675	(2997)	1993 01 23.49566	10 46 37.77	+12 53 39.8	9 675
(2756)	1994 07 13.38281	20 38 17.54	-26 23 28.6	9 675	(3028)	1993 09 20.25052	22 49 45.61	-01 42 49.8	9 675
(2765)	1994 07 12.37535	20 43 21.98	-33 48 05.8	9 675	(3029)	1994 01 07.35642	07 26 09.48	+24 33 42.0	9 675
(2765)	1994 07 13.35174	20 42 31.58	-33 50 06.0	9 675	(3029)	1994 01 07.38646	07 26 07.24	+24 33 44.5	9 675
(2765)	1994 07 13.38281	20 42 29.98	-33 50 10.1	9 675	(3035)	1992 02 04.30365	07 48 19.43	+17 35 19.5	17.5 9 675
(2778)	1991 04 16.16354	11 14 25.62	+12 23 07.0	9 675	(3050)	1982 09 20.44514	23 27 36.04	-00 40 11.7	9 675
(2778)	1991 04 16.19306	11 14 24.74	+12 23 09.8	9 675	(3050)	1982 09 20.47361	23 27 34.57	-00 40 23.5	9 675
(2780)	1989 11 28.36840	04 43 21.89	+26 13 07.9	9 675	(3053)	1988 08 16.38194	22 27 29.01	-16 22 46.7	9 675
(2780)	1989 11 28.40712	04 43 19.04	+26 12 58.6	9 675	(3053)	1988 08 16.41233	22 27 27.33	-16 22 50.2	9 675
(2787)	1991 04 16.16354	11 02 31.90	+15 11 18.5	9 675	(3053)	1988 09 11.21623	22 05 09.08	-16 36 07.9	9 675
(2787)	1991 04 16.19306	11 02 31.16	+15 11 14.2	9 675	(3053)	1988 09 11.24931	22 05 07.65	-16 36 05.1	9 675
(2803)	1992 02 04.30365	08 07 53.58	+22 12 50.2	9 675	(3070)	1994 01 07.38646	07 11 41.68	+18 51 34.0	9 675
(2803)	1992 02 04.33594	08 07 51.92	+22 12 52.2	9 675	(3077)	1982 08 19.45486	00 10 57.46	+03 15 07.9	9 675
(2835)	1994 05 10.34514	15 06 58.22	-19 00 54.1	9 675	(3077)	1982 08 19.48194	00 10 56.76	+03 15 04.8	9 675
(2835)	1994 05 10.37656	15 06 56.50	-19 00 47.8	9 675	(3079)	1991 10 07.45260	02 23 55.63	+11 31 40.0	9 675
(2835)	1994 06 08.24132	14 44 35.71	-17 29 36.1	9 675	(3082)	1989 07 05.40399	21 36 04.34	-16 46 09.1	9 675

(3095)	1987 11 26.32292	02 14 31.30	+17 34 45.5	9 675	(3259)	1993 04 19.36788	15 02 10.77	-25 50 39.9	9 675
(3095)	1987 11 26.35694	02 14 30.24	+17 34 37.6	9 675	(3259)	1993 04 19.39821	15 02 09.51	-25 50 27.8	9 675
(3105)	1982 08 19.45486	00 14 49.27	-03 49 07.8	9 675	(3290)	1988 09 11.22396	22 21 01.42	-14 03 36.0	9 675
(3105)	1982 08 19.48194	00 14 49.16	-03 49 20.7	9 675	(3290)	1988 09 12.25417	22 20 27.34	-14 06 31.0	9 675
(3109)	1991 10 07.41684	02 05 54.74	+13 25 29.8	9 675	(3290)	1988 09 12.28837	22 20 26.20	-14 06 38.0	9 675
(3109)	1991 10 07.45260	02 05 52.74	+13 25 26.5	9 675	(3290)	1994 05 10.34514	15 27 16.90	-17 17 03.4	18.0 9 675
(3121)	1989 11 06.29097	01 18 51.68	-02 40 35.6	9 675	(3290)	1994 05 10.37656	15 27 15.59	-17 17 00.6	9 675
(3121)	1989 11 06.32170	01 18 50.20	-02 40 39.5	9 675	(3294)	1987 11 26.32292	01 57 40.38	+18 35 51.6	9 675
(3121)	1994 01 07.35642	07 25 50.09	+18 39 33.0	9 675	(3294)	1987 11 26.35694	01 57 39.10	+18 35 46.2	9 675
(3121)	1994 01 07.38646	07 25 48.00	+18 39 43.1	9 675	(3323)	1994 06 08.24132	14 29 29.31	-15 16 09.6	9 675
(3125)	1988 08 16.38194	22 21 38.99	-15 21 59.2	9 675	(3329)	1991 12 03.38351	05 43 45.67	+38 15 27.0	9 675
(3125)	1988 08 16.41233	22 21 37.48	-15 22 13.6	9 675	(3329)	1991 12 03.41701	05 43 43.59	+38 15 32.0	9 675
(3125)	1988 09 11.21623	22 00 59.66	-18 31 56.9	9 675	(3334)	1992 02 04.30365	08 07 40.07	+23 14 23.1	9 675
(3125)	1988 09 11.24931	22 00 58.13	-18 32 08.9	9 675	(3334)	1992 02 04.33594	08 07 38.31	+23 14 27.7	9 675
(3129)	1993 09 18.26806	23 57 02.32	-09 17 07.3	9 675	(3340)	1989 09 30.34010	00 38 52.01	-01 54 21.2	9 675
(3132)	1992 02 04.30365	08 11 01.89	+21 15 43.7	9 675	(3340)	1989 09 30.37500	00 38 49.69	-01 54 24.4	9 675
(3132)	1992 02 04.33594	08 11 00.32	+21 15 50.0	9 675	(3354)	1985 09 21.22031	21 40 18.59	-10 25 54.2	9 675
(3133)	1994 11 27.29028	03 43 57.30	+25 51 02.6	9 675	(3354)	1985 09 21.25694	21 40 17.45	-10 25 52.8	9 675
(3133)	1994 11 27.32205	03 43 54.91	+25 51 05.0	9 675	(3373)	1988 09 12.25417	22 09 49.90	-09 26 15.1	9 675
(3137)	1982 09 20.47361	23 06 59.01	-01 10 44.3	9 675	(3373)	1988 09 12.28837	22 09 48.13	-09 26 28.3	9 675
(3150)	1989 03 09.40174	12 10 37.13	-07 13 30.0	9 675	(3386)	1982 08 19.45486	00 07 16.32	+00 46 31.9	9 675
(3150)	1989 03 09.43281	12 10 35.47	-07 13 32.9	9 675	(3386)	1982 08 19.48194	00 07 15.74	+00 46 27.6	9 675
(3165)	1990 04 01.43212	13 28 13.78	-02 32 55.9	9 675	(3391)	1994 07 13.38281	20 21 23.02	-32 16 37.9	9 675
(3165)	1990 04 01.47778	13 28 11.24	-02 32 40.1	9 675	(3399)	1992 02 04.30365	07 55 15.49	+21 00 13.9	9 675
(3183)	1989 09 27.28976	23 51 04.73	-03 47 56.8	9 675	(3399)	1992 02 04.33594	07 55 13.97	+21 00 17.1	9 675
(3183)	1989 09 27.31615	23 51 03.55	-03 48 05.5	9 675	(3408)	1988 09 11.21623	21 59 02.44	-15 07 18.8	9 675
(3190)	1988 09 11.21623	21 56 01.69	-19 42 08.5	9 675	(3408)	1988 09 11.24931	21 59 01.41	-15 07 28.4	9 675
(3190)	1988 09 11.24931	21 56 00.15	-19 42 06.1	9 675	(3423)	1989 09 27.28976	23 43 41.08	-01 31 58.3	9 675
(3192)	1993 01 23.46007	10 42 57.53	+13 47 48.8	9 675	(3423)	1989 09 27.31615	23 43 39.93	-01 32 05.5	9 675
(3192)	1993 01 23.49566	10 42 56.81	+13 47 56.8	9 675	(3432)	1994 10 01.42274	03 05 11.01	+25 54 57.0	9 675
(3197)	1994 01 07.38646	07 04 29.41	+19 27 22.2	9 675	(3432)	1994 10 01.45990	03 05 09.79	+25 55 00.5	9 675
(3203)	1994 05 10.34514	15 15 39.59	-18 29 18.0	9 675	(3444)	1988 08 16.38194	22 45 35.93	-10 08 38.7	9 675
(3203)	1994 05 10.37656	15 15 37.37	-18 29 15.1	9 675	(3444)	1988 08 16.41233	22 45 34.25	-10 08 43.1	9 675
(3203)	1994 06 08.24132	14 45 41.72	-17 41 55.4	9 675	(3444)	1988 09 12.25417	22 19 06.28	-11 14 39.9	9 675
(3203)	1994 06 08.27083	14 45 40.26	-17 41 53.7	9 675	(3444)	1988 09 12.28837	22 19 04.24	-11 14 43.3	9 675
(3204)	1989 07 05.40399	21 36 27.97	-15 20 04.3	9 675	(3449)	1988 09 11.22396	22 48 22.29	-10 56 31.0	17.8 9 675
(3204)	1989 07 05.43628	21 36 27.36	-15 20 09.1	9 675	(3449)	1988 09 11.25712	22 48 20.75	-10 56 39.8	9 675
(3208)	1988 08 16.38194	22 35 09.78	-09 52 27.0	9 675	(3456)	1982 08 19.45486	00 15 40.93	-01 36 40.7	9 675
(3208)	1988 08 16.41233	22 35 08.51	-09 52 34.5	9 675	(3456)	1982 08 19.48194	00 15 40.26	-01 36 46.5	9 675
(3208)	1988 09 12.25417	22 16 14.58	-11 54 13.4	9 675	(3456)	1994 05 10.34514	15 16 09.18	-16 28 44.8	9 675
(3208)	1988 09 12.28837	22 16 13.23	-11 54 21.2	9 675	(3456)	1994 05 10.37656	15 16 07.06	-16 28 38.9	9 675
(3222)	1989 09 02.44931	00 17 07.54	-08 03 12.4	9 675	(3456)	1994 06 08.24132	14 49 59.35	-15 15 33.7	9 675
(3222)	1989 09 02.48160	00 17 06.51	-08 03 30.3	9 675	(3456)	1994 06 08.27083	14 49 58.26	-15 15 31.4	9 675
(3229)	1992 02 04.30365	07 59 41.12	+21 21 31.5	9 675	(3473)	1991 10 07.41684	02 07 01.72	+11 18 41.1	9 675
(3229)	1992 02 04.33594	07 59 39.12	+21 21 30.0	9 675	(3473)	1991 10 07.45260	02 06 59.89	+11 18 28.9	9 675
(3239)	1990 04 01.43212	13 11 27.74	-02 13 59.5	9 675	(3485)	1994 05 10.34514	15 15 35.87	-21 31 32.5	9 675
(3239)	1990 04 01.47778	13 11 25.06	-02 13 41.7	9 675	(3485)	1994 05 10.37656	15 15 33.95	-21 31 24.9	9 675
(3244)	1987 11 26.32292	01 47 02.11	+18 23 04.9	9 675	(3485)	1994 06 08.24132	14 50 47.54	-19 36 15.5	17.0 9 675
(3244)	1987 11 26.35694	01 47 01.39	+18 22 57.0	9 675	(3485)	1994 06 08.27083	14 50 46.49	-19 36 09.2	9 675
(3247)	1990 04 01.43212	13 24 20.79	-04 54 37.8	9 675	(3499)	1990 04 01.43212	13 13 40.19	-05 18 13.2	9 675
(3247)	1990 04 01.47778	13 24 18.23	-04 54 28.0	9 675	(3499)	1990 04 01.47778	13 13 38.24	-05 17 59.6	9 675
(3251)	1982 08 19.48194	00 04 13.98	-00 03 37.9	9 675	(3502)	1990 04 01.47778	12 58 48.36	-01 56 33.6	9 675

(3502)	1994 01 07.35642	07 24 18.90	+22 16 27.0	9 675	(3714)	1991 10 06.32500	23 34 42.45	-16 58 08.5	9 675
(3502)	1994 01 07.38646	07 24 17.47	+22 16 31.1	9 675	(3719)	1987 11 26.32292	01 49 44.53	+16 27 31.4	9 675
(3510)	1992 02 04.30365	07 44 25.89	+18 08 59.4	9 675	(3719)	1987 11 26.35694	01 49 43.91	+16 27 22.3	9 675
(3510)	1992 02 04.33594	07 44 24.07	+18 09 03.9	9 675	(3749)	1994 11 27.29028	04 09 27.11	+29 10 01.8	9 675
(3512)	1991 04 16.16354	11 05 20.08	+16 49 37.0	9 675	(3749)	1994 11 27.32205	04 09 24.77	+29 09 52.4	9 675
(3523)	1993 09 18.26806	00 01 35.97	-14 52 43.6	9 675	(3754)	1993 01 23.46007	10 40 50.07	+15 49 27.0	9 675
(3523)	1993 09 18.30642	00 01 33.57	-14 52 53.5	9 675	(3754)	1993 01 23.49566	10 40 49.24	+15 49 39.7	9 675
(3526)	1991 10 07.41684	02 32 54.08	+12 12 39.0	9 675	(3760)	1994 10 03.32986	00 53 28.99	-10 47 20.3	9 675
(3526)	1991 10 07.45260	02 32 52.53	+12 12 37.0	9 675	(3760)	1994 10 03.35990	00 53 27.43	-10 47 30.5	9 675
(3531)	1991 08 08.32569	22 03 19.57	+03 01 07.6	9 675	(3771)	1993 04 19.36788	15 01 57.85	-20 45 38.5	9 675
(3531)	1991 08 08.35660	22 03 18.27	+03 00 57.3	9 675	(3771)	1993 04 19.39821	15 01 56.13	-20 45 31.7	9 675
(3541)	1989 09 30.34010	00 42 18.16	-02 17 26.6	9 675	(3778)	1991 10 07.41684	02 28 40.56	+16 22 16.0	9 675
(3541)	1989 09 30.37500	00 42 16.23	-02 17 38.8	9 675	(3778)	1991 10 07.45260	02 28 39.06	+16 22 10.4	9 675
(3561)	1993 09 18.26806	23 46 41.78	-13 19 06.4	9 675	(3778)	1994 05 10.34514	14 58 18.80	-18 56 51.1	9 675
(3561)	1993 09 18.30642	23 46 40.28	-13 19 18.3	9 675	(3778)	1994 05 10.37656	14 58 17.17	-18 56 43.5	9 675
(3582)	1991 10 06.29097	23 28 28.43	-19 18 23.6	17.0 9 675	(3778)	1994 06 08.24132	14 37 48.26	-17 23 08.7	9 675
(3582)	1991 10 06.32500	23 28 27.04	-19 18 22.9	9 675	(3778)	1994 06 08.27083	14 37 47.40	-17 23 03.2	9 675
(3583)	1982 08 19.45486	23 59 01.31	-03 59 19.8	9 675	(3787)	1989 03 09.40174	12 05 59.08	-03 53 25.5	9 675
(3590)	1989 11 06.29097	01 10 08.07	-04 28 03.3	9 675	(3787)	1989 03 09.43281	12 05 57.78	-03 53 08.8	9 675
(3590)	1989 11 06.32170	01 10 06.73	-04 28 06.5	9 675	(3791)	1994 05 10.34514	15 09 16.97	-19 42 18.1	16.5 9 675
(3598)	1989 07 05.40399	21 05 29.45	-15 57 00.2	9 675	(3791)	1994 05 10.37656	15 09 15.28	-19 42 11.7	9 675
(3598)	1989 07 05.43628	21 05 28.39	-15 57 05.0	9 675	(3791)	1994 06 08.24132	14 47 38.75	-18 07 19.2	17.0 9 675
(3603)	1985 09 21.25694	21 32 57.39	-07 06 32.0	9 675	(3791)	1994 06 08.27083	14 47 37.75	-18 07 15.0	9 675
(3603)	1989 07 05.43628	21 13 40.71	-12 16 41.4	9 675	(3797)	1994 01 07.35642	07 34 12.98	+20 26 55.4	9 675
(3610)	1994 05 10.34514	15 24 08.08	-14 55 26.3	9 675	(3797)	1994 01 07.38646	07 34 11.37	+20 27 00.0	9 675
(3610)	1994 05 10.37656	15 24 05.97	-14 55 19.5	9 675	(3818)	1989 03 09.40174	12 07 33.76	-04 05 59.6	9 675
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(3610)	1994 06 08.27083	14 57 41.30	-13 42 13.3	9 675	(3818)	1992 02 04.33594	07 57 52.26	+17 57 31.4	9 675
(3615)	1991 04 16.16354	10 58 36.02	+08 33 55.9	9 675	(3819)	1991 12 03.38351	05 42 34.42	+33 29 04.7	9 675
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(3624)	1989 09 27.28976	00 07 16.50	+00 17 18.5	9 675	(3834)	1988 03 18.39931	12 54 25.88	+16 39 15.3	9 675
(3624)	1989 09 27.31615	00 07 14.78	+00 17 12.6	9 675	(3834)	1988 03 18.42865	12 54 24.20	+16 39 21.4	9 675
(3627)	1989 11 22.27101	02 17 39.35	+03 03 35.6	9 675	(3836)	1989 09 30.34010	00 55 44.66	+02 11 31.3	9 675
(3627)	1989 11 22.30694	02 17 37.44	+03 03 34.9	9 675	(3836)	1989 09 30.37500	00 55 42.48	+02 11 19.6	9 675
(3636)	1989 11 28.36840	04 45 27.39	+27 52 59.5	9 675	(3883)	1989 09 30.34010	01 03 23.99	-02 18 53.3	9 675
(3636)	1989 11 28.40712	04 45 24.59	+27 53 01.1	9 675	(3883)	1989 09 30.37500	01 03 22.45	-02 19 17.6	9 675
(3643)	1989 11 06.29097	01 00 37.87	-07 16 32.8	9 675	(3884)	1991 10 07.41684	02 13 49.59	+14 01 26.7	9 675
(3643)	1989 11 06.32170	01 00 36.32	-07 16 17.9	9 675	(3884)	1991 10 07.45260	02 13 48.34	+14 01 20.1	9 675
(3652)	1988 08 16.31441	21 22 16.11	-10 31 54.5	9 675	(3884)	1994 05 10.34514	14 57 01.50	-17 56 07.9	18.5 9 675
(3652)	1988 08 16.34878	21 22 14.27	-10 32 02.0	9 675	(3884)	1994 05 10.37656	14 57 00.04	-17 56 02.2	17.8 9 675
(3653)	1993 09 20.21250	23 02 27.08	-04 04 52.1	9 675	(3884)	1994 06 08.24132	14 37 53.59	-16 33 55.2	18.8 9 675
(3660)	1991 12 03.41701	05 36 34.46	+34 10 40.4	9 675	(3884)	1994 06 08.27083	14 37 52.89	-16 33 50.3	9 675
(3669)	1988 08 16.38194	22 37 48.81	-16 24 29.9	9 675	(3905)	1988 08 16.38194	22 42 18.15	-13 43 54.9	9 675
(3669)	1988 08 16.41233	22 37 47.12	-16 24 43.6	9 675	(3905)	1988 08 16.41233	22 42 16.26	-13 43 56.1	9 675
(3669)	1988 09 11.21623	22 12 57.32	-19 04 25.1	9 675	(3905)	1988 09 12.25417	22 12 37.34	-13 44 18.4	9 675
(3669)	1988 09 11.24931	22 12 55.50	-19 04 33.3	9 675	(3905)	1988 09 12.28837	22 12 35.15	-13 44 15.8	9 675
(3680)	1991 10 07.41684	02 32 27.80	+15 26 35.6	9 675	(3909)	1994 11 27.29809	04 13 16.21	+12 27 50.8	9 675
(3680)	1991 10 07.45260	02 32 26.01	+15 26 34.9	9 675	(3909)	1994 11 27.32917	04 13 14.38	+12 27 39.4	9 675
(3681)	1990 04 01.43212	13 25 32.84	-02 04 50.7	9 675	(3913)	1988 09 11.22396	22 27 54.06	-12 13 52.6	17.5 9 675
(3681)	1990 04 01.47778	13 25 30.29	-02 04 30.5	9 675	(3913)	1988 09 11.25712	22 27 52.49	-12 14 17.0	9 675
(3697)	1989 09 27.28976	23 46 05.95	+00 13 27.5	9 675	(3913)	1988 09 12.25417	22 27 05.53	-12 26 35.3	9 675
(3714)	1991 10 06.29097	23 34 44.45	-16 58 17.7	9 675	(3913)	1988 09 12.28837	22 27 03.88	-12 27 00.0	9 675

(3922)	1982 08 19.45486	23 51 15.64	-01 18 02.6	9 675	(4163)	1993 01 23.46007	10 38 32.93	+13 24 02.6	16.8	9 675
(3922)	1982 08 19.48194	23 51 15.07	-01 18 04.4	9 675	(4163)	1993 01 23.49566	10 38 32.08	+13 24 17.1		9 675
(3924)	1988 09 12.25417	22 00 10.36	-11 26 35.6	9 675	(4172)	1994 11 27.29028	03 51 54.65	+24 00 46.3		9 675
(3924)	1988 09 12.28837	22 00 08.70	-11 26 38.2	9 675	(4172)	1994 11 27.32205	03 51 52.44	+24 00 38.7		9 675
(3929)	1988 09 12.25417	22 16 37.07	-11 24 46.0	9 675	(4196)	1989 07 05.40399	21 29 55.60	-13 33 48.6		9 675
(3929)	1988 09 12.28837	22 16 35.51	-11 24 58.4	9 675	(4196)	1989 07 05.43628	21 29 54.82	-13 33 53.6		9 675
(3934)	1988 08 16.31441	21 18 00.30	-08 47 06.2	9 675	(4200)	1991 08 08.32569	22 07 50.27	+00 19 50.5		9 675
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(3957)	1982 09 20.47361	23 21 05.81	-02 27 13.7	9 675	(4214)	1987 11 26.32292	02 03 26.46	+16 03 10.8		9 675
(3973)	1988 09 11.22396	22 41 19.19	-12 29 14.5	9 675	(4219)	1994 11 27.32917	04 19 19.91	+16 38 54.4	18.5	9 675
(3973)	1988 09 11.25712	22 41 17.61	-12 29 21.9	9 675	(4242)	1988 09 12.25417	22 28 28.48	-09 57 32.8		9 675
(3975)	1982 08 19.45486	00 13 43.52	+02 34 54.5	9 675	(4242)	1988 09 12.28837	22 28 27.11	-09 57 42.5		9 675
(3975)	1982 08 19.48194	00 13 42.96	+02 34 51.0	9 675	(4247)	1988 09 11.22396	22 43 04.25	-10 13 18.9		9 675
(3979)	1994 11 27.29028	03 52 34.03	+24 48 33.8	9 675	(4260)	1990 04 01.43212	13 19 57.70	-03 20 55.0		9 675
(3979)	1994 11 27.32205	03 52 32.27	+24 48 29.1	9 675	(4260)	1990 04 01.47778	13 19 55.53	-03 20 42.0		9 675
(3998)	1994 07 13.35174	20 19 26.63	-29 43 47.1	9 675	(4265)	1989 11 06.29097	01 11 08.25	-01 18 06.2		9 675
(3998)	1994 07 13.38281	20 19 24.48	-29 43 53.3	9 675	(4265)	1989 11 06.32170	01 11 07.28	-01 18 06.9		9 675
(4005)	1994 06 08.24132	14 38 05.56	-11 39 44.8	9 675	(4269)	1988 08 16.38194	22 36 01.73	-09 56 20.0		9 675
(4005)	1994 06 08.27083	14 38 04.42	-11 39 46.7	9 675	(4269)	1988 08 16.41233	22 35 59.94	-09 56 24.2		9 675
(4009)	1994 05 10.34514	15 18 48.69	-16 53 34.1	9 675	(4269)	1988 09 12.25417	22 11 09.69	-10 53 12.7		9 675
(4009)	1994 05 10.37656	15 18 47.13	-16 53 29.6	9 675	(4269)	1988 09 12.28837	22 11 08.06	-10 53 15.3		9 675
(4009)	1994 06 08.24132	14 58 01.60	-15 58 12.0	9 675	(4278)	1982 08 19.45486	23 58 55.62	-03 12 56.1		9 675
(4009)	1994 06 08.27083	14 58 00.58	-15 58 09.5	9 675	(4278)	1982 08 19.48194	23 58 55.27	-03 13 07.4		9 675
(4010)	1985 09 21.22031	21 36 34.88	-11 14 51.3	9 675	(4280)	1991 04 16.16354	10 56 20.33	+12 54 36.4		9 675
(4011)	1991 10 07.41684	02 07 09.36	+12 27 18.2	9 675	(4280)	1991 04 16.19306	10 56 19.67	+12 54 34.0		9 675
(4011)	1991 10 07.45260	02 07 07.54	+12 27 10.5	9 675	(4286)	1988 09 11.22396	22 29 48.70	-11 29 06.7		9 675
(4029)	1994 06 08.24132	14 36 40.79	-11 44 02.7	9 675	(4286)	1988 09 11.25712	22 29 47.22	-11 29 16.6		9 675
(4029)	1994 06 08.27083	14 36 40.29	-11 43 56.7	9 675	(4286)	1988 09 12.25417	22 29 04.31	-11 34 11.0		9 675
(4041)	1993 01 23.46007	10 38 49.66	+20 06 39.1	17.2 9 675	(4286)	1988 09 12.28837	22 29 02.81	-11 34 21.8		9 675
(4041)	1993 01 23.49566	10 38 48.67	+20 06 53.1	9 675	(4293)	1989 11 28.36840	04 53 41.75	+26 16 05.1		9 675
(4056)	1991 10 06.29097	23 18 21.64	-15 32 05.7	9 675	(4293)	1989 11 28.40712	04 53 39.24	+26 16 15.3		9 675
(4056)	1991 10 06.32500	23 18 20.36	-15 32 14.8	9 675	(4299)	1991 04 16.16354	11 01 53.65	+13 50 51.2		9 675
(4085)	1994 07 12.37535	20 40 02.26	-36 23 05.9	9 675	(4299)	1991 04 16.19306	11 01 52.85	+13 50 52.0		9 675
(4090)	1992 02 04.30365	08 02 10.36	+19 12 05.1	9 675	(4307)	1991 10 07.41684	02 25 48.87	+15 04 27.5		9 675
(4090)	1992 02 04.33594	08 02 08.33	+19 12 10.6	9 675	(4307)	1991 10 07.45260	02 25 47.11	+15 04 24.8		9 675
(4112)	1990 04 01.43212	13 11 59.48	+00 50 43.4	9 675	(4313)	1993 09 18.26806	00 00 06.24	-12 15 01.2		9 675
(4112)	1990 04 01.47778	13 11 57.62	+00 51 06.1	9 675	(4313)	1993 09 18.30642	00 00 04.07	-12 15 09.6		9 675
(4136)	1991 10 07.45260	02 20 40.41	+09 46 53.8	9 675	(4325)	1989 11 28.36840	04 52 00.07	+24 15 24.7		9 675
(4141)	1989 03 09.40174	12 07 24.66	-09 15 57.9	9 675	(4325)	1989 11 28.40712	04 51 57.71	+24 15 25.7		9 675
(4141)	1989 03 09.43281	12 07 22.95	-09 15 55.3	9 675	(4336)	1993 01 23.46007	10 48 57.00	+12 34 08.1		9 675
(4148)	1992 02 04.30365	08 05 19.41	+23 40 13.9	9 675	(4336)	1993 01 23.49566	10 48 55.47	+12 34 14.0		9 675
(4148)	1992 02 04.33594	08 05 17.19	+23 40 12.7	9 675	(4343)	1991 10 07.41684	02 24 37.09	+16 28 20.1		9 675
(4150)	1990 04 01.43212	13 24 31.21	-03 14 10.2	9 675	(4343)	1991 10 07.45260	02 24 35.61	+16 28 09.8		9 675
(4150)	1990 04 01.47778	13 24 28.56	-03 13 52.1	9 675	(4360)	1989 09 27.28976	23 46 23.12	+00 52 04.6		9 675
(4155)	1987 11 26.32292	01 49 10.20	+17 18 15.9	9 675	(4360)	1989 09 27.31615	23 46 21.70	+00 51 58.2		9 675
(4155)	1987 11 26.35694	01 49 09.46	+17 18 16.8	9 675	(4365)	1982 08 19.45486	00 00 47.97	+01 42 06.8		9 675
(4155)	1991 12 03.38351	05 35 19.38	+33 03 32.5	9 675	(4365)	1982 08 19.48194	00 00 47.24	+01 42 03.5		9 675
(4159)	1994 07 13.35174	20 52 09.44	-30 13 34.3	9 675	(4369)	1991 12 03.38351	05 36 24.67	+37 25 45.6		9 675
(4159)	1994 07 13.38281	20 52 07.93	-30 13 53.8	9 675	(4369)	1991 12 03.41701	05 36 22.21	+37 25 34.9		9 675
(4160)	1985 05 24.31950	15 03 43.10	-10 35 47.3	9 675	(4382)	1994 01 07.35642	07 23 49.40	+19 46 16.1		9 675
(4160)	1985 05 24.34317	15 03 41.87	-10 35 41.9	9 675	(4382)	1994 01 07.38646	07 23 47.44	+19 46 25.3		9 675

(4383)	1994 01 07.35642	07 23 28.03	+26 10 01.1	9 675	(4667)	1994 07 12.37535	21 05 20.72	-33 30 45.1	9 675
(4383)	1994 01 07.38646	07 23 25.86	+26 10 10.9	9 675	(4667)	1994 07 12.40712	21 05 18.91	-33 30 52.8	9 675
(4387)	1988 08 16.38194	22 46 23.72	-11 48 15.9	9 675	(4694)	1985 09 21.22031	21 49 34.10	-11 58 06.3	9 675
(4387)	1988 08 16.41233	22 46 22.25	-11 48 28.3	9 675	(4694)	1985 09 21.25694	21 49 33.17	-11 58 02.3	9 675
(4387)	1988 09 11.22396	22 24 19.91	-14 38 06.1	9 675	(4701)	1992 02 04.30365	08 08 05.86	+22 11 57.6	9 675
(4387)	1988 09 11.25712	22 24 18.32	-14 38 16.7	9 675	(4701)	1992 02 04.33594	08 08 03.98	+22 12 05.5	9 675
(4395)	1993 09 20.21250	22 29 31.79	-02 30 01.6	9 675	(4725)	1989 11 06.29097	01 07 32.27	-01 17 29.1	9 675
(4400)	1991 03 09.28889	11 49 38.60	+00 55 54.0	9 675	(4725)	1989 11 06.32170	01 07 31.33	-01 17 42.4	9 675
(4425)	1988 09 11.25712	22 40 29.10	-14 07 40.7	9 675	(4734)	1982 08 19.48194	00 13 21.15	+00 48 34.6	9 675
(4429)	1989 09 27.28976	23 45 06.44	+00 10 39.0	9 675	(4735)	1989 11 22.27101	01 50 37.23	+01 40 58.5	9 675
(4429)	1989 09 27.31615	23 45 05.00	+00 10 32.1	9 675	(4735)	1989 11 22.30694	01 50 35.89	+01 41 03.7	9 675
(4430)	1988 09 11.22396	22 50 25.65	-11 15 19.7	17.8 9 675	(4744)	1988 08 16.38194	22 37 30.34	-13 10 31.8	9 675
(4430)	1988 09 11.25712	22 50 23.78	-11 15 22.2	9 675	(4744)	1988 08 16.41233	22 37 28.77	-13 10 37.1	9 675
(4435)	1985 09 21.25694	21 37 37.63	-08 48 12.5	9 675	(4744)	1988 09 12.25417	22 14 30.81	-14 14 19.5	17.8 9 675
(4459)	1988 08 16.34878	21 23 06.73	-13 52 12.4	9 675	(4744)	1988 09 12.28837	22 14 29.17	-14 14 22.1	9 675
(4459)	1994 06 08.24132	14 50 42.69	-11 51 59.8	9 675	(4753)	1989 09 02.44931	00 22 28.88	-04 22 27.6	9 675
(4459)	1994 06 08.27083	14 50 41.57	-11 51 58.7	9 675	(4753)	1989 09 02.48160	00 22 27.52	-04 22 37.1	9 675
(4462)	1994 01 07.38646	07 36 10.91	+22 43 58.5	9 675	(4754)	1989 11 22.27101	02 13 02.19	-00 33 31.0	9 675
(4473)	1989 11 28.21771	02 50 59.07	+29 49 15.7	9 675	(4754)	1989 11 22.30694	02 13 01.26	-00 33 33.9	9 675
(4473)	1989 11 28.26406	02 50 56.85	+29 49 00.2	9 675	(4757)	1988 09 12.28837	22 28 20.38	-09 49 54.0	9 675
(4498)	1994 01 07.35642	07 15 57.40	+20 53 53.3	9 675	(4779)	1988 09 12.25417	21 58 17.08	-11 40 16.7	9 675
(4498)	1994 01 07.38646	07 15 55.65	+20 53 52.7	9 675	(4779)	1988 09 12.28837	21 58 15.89	-11 40 22.2	9 675
(4508)	1990 04 01.43212	13 01 18.33	-02 26 52.1	9 675	(4782)	1989 07 05.40399	21 28 52.54	-16 03 53.1	9 675
(4508)	1990 04 01.47778	13 01 15.64	-02 26 35.3	9 675	(4782)	1989 07 05.43628	21 28 51.74	-16 03 56.7	9 675
(4508)	1993 01 23.46007	10 33 10.99	+11 48 52.7	9 675	(4798)	1994 01 07.35642	07 20 51.62	+23 39 55.7	9 675
(4508)	1993 01 23.49566	10 33 09.81	+11 49 02.6	9 675	(4798)	1994 01 07.38646	07 20 49.46	+23 40 03.9	9 675
(4548)	1990 04 01.43212	13 09 19.23	-03 57 35.2	9 675	(4800)	1989 09 30.34010	00 52 27.68	+02 17 37.9	9 675
(4548)	1990 04 01.47778	13 09 16.14	-03 57 30.4	9 675	(4800)	1989 09 30.37500	00 52 26.18	+02 17 19.7	9 675
(4549)	1988 08 16.38194	22 40 35.86	-12 48 12.7	9 675	(4803)	1988 09 11.22396	22 48 27.17	-11 53 43.8	17.5 9 675
(4549)	1988 08 16.41233	22 40 34.23	-12 48 21.3	9 675	(4803)	1988 09 11.25712	22 48 25.56	-11 53 50.9	9 675
(4549)	1988 09 12.25417	22 15 41.84	-14 51 44.5	9 675	(4814)	1992 02 04.30365	07 51 54.96	+20 29 41.4	9 675
(4549)	1988 09 12.28837	22 15 40.00	-14 51 51.6	9 675	(4814)	1992 02 04.33594	07 51 53.59	+20 29 46.3	9 675
(4577)	1994 06 08.24132	14 34 46.27	-13 55 37.9	9 675	(4814)	1994 06 08.24132	14 32 46.22	-12 56 25.1	9 675
(4577)	1994 06 08.27083	14 34 45.33	-13 55 40.4	9 675	(4814)	1994 06 08.27083	14 32 45.32	-12 56 20.3	9 675
(4583)	1989 09 27.28976	00 12 10.77	-01 11 44.2	9 675	(4819)	1989 09 27.31615	23 54 17.78	+02 54 45.2	9 675
(4583)	1989 09 27.31615	00 12 09.35	-01 11 56.8	9 675	(4821)	1989 09 27.28976	00 12 22.49	+00 26 33.1	9 675
(4603)	1993 01 23.46007	10 31 43.68	+14 26 39.8	9 675	(4821)	1989 09 27.31615	00 12 21.24	+00 26 25.1	9 675
(4603)	1993 01 23.49566	10 31 42.24	+14 26 42.4	9 675	(4824)	1989 09 02.44931	00 17 22.39	-07 20 37.5	9 675
(4611)	1992 02 04.30365	07 55 46.79	+23 23 09.7	16.2 9 675	(4824)	1989 09 02.48160	00 17 20.86	-07 20 46.0	9 675
(4611)	1992 02 04.33594	07 55 45.02	+23 23 23.5	9 675	(4830)	1988 09 11.21623	21 58 07.77	-18 40 38.7	9 675
(4616)	1992 02 04.30365	08 07 44.91	+18 47 00.2	17.5 9 675	(4830)	1988 09 11.24931	21 58 06.29	-18 40 46.8	9 675
(4616)	1992 02 04.33594	08 07 43.38	+18 47 05.6	9 675	(4843)	1982 08 19.45486	00 02 39.45	-01 21 18.8	9 675
(4630)	1991 09 07.46215	00 37 00.87	-06 03 56.5	16.0 2 675	(4843)	1982 08 19.48194	00 02 38.90	-01 21 30.2	9 675
(4630)	1991 09 07.49080	00 36 59.68	-06 04 06.9	2 675	(4845)	1991 04 16.16354	10 55 41.15	+13 15 48.8	17.5 9 675
(4630)	1991 09 09.42674	00 35 44.64	-06 12 59.1	2 675	(4845)	1991 04 16.19306	10 55 40.43	+13 15 43.6	9 675
(4630)	1991 09 09.45972	00 35 43.17	-06 13 06.5	2 675	(4846)	1989 09 27.28976	00 05 56.02	-02 24 33.6	9 675
(4631)	1987 11 26.32292	01 51 30.70	+16 42 58.4	9 675	(4846)	1989 09 27.31615	00 05 54.78	-02 24 39.5	9 675
(4631)	1987 11 26.35694	01 51 29.35	+16 42 58.6	9 675	(4848)	1992 02 04.30365	07 57 06.17	+19 05 17.5	17.0 9 675
(4640)	1994 11 27.29028	03 41 00.73	+27 20 18.1	9 675	(4848)	1992 02 04.33594	07 57 04.62	+19 05 26.9	9 675
(4640)	1994 11 27.32205	03 40 58.39	+27 20 11.4	9 675	(4854)	1993 09 20.21250	22 46 51.52	-05 12 15.4	9 675
(4644)	1991 12 03.38351	05 41 23.01	+34 46 04.4	9 675	(4854)	1993 09 20.25052	22 46 50.04	-05 12 32.1	9 675
(4644)	1991 12 03.41701	05 41 20.75	+34 46 12.4	9 675	(4860)	1993 09 20.21250	23 00 33.91	+00 00 11.1	9 675

(4860)	1993 09 20.25052	23 00 31.47	+00 00 15.1	9 675	(5081)	1994 11 27.29809	04 17 53.88	+14 25 23.8	9 675
(4861)	1994 01 07.38646	07 10 10.96	+23 16 16.2	9 675	(5081)	1994 11 27.32917	04 17 51.69	+14 25 27.5	9 675
(4864)	1988 09 11.21623	21 57 17.15	-18 54 27.0	9 675	(5084)	1994 06 08.24132	14 29 26.32	-16 38 04.3	9 675
(4864)	1988 09 11.24931	21 57 15.89	-18 54 31.9	9 675	(5089)	1988 09 11.24931	21 58 02.33	-16 45 04.7	9 675
(4881)	1989 11 02.39774	02 54 30.67	+02 10 43.8	9 675	(5096)	1994 10 01.42274	02 52 14.71	+28 23 54.6	9 675
(4881)	1989 11 02.43507	02 54 28.46	+02 10 31.0	9 675	(5096)	1994 10 01.45990	02 52 13.92	+28 24 05.7	9 675
(4886)	1994 11 27.29028	04 06 19.09	+27 24 07.5	9 675	(5133)	1988 03 18.39931	12 32 15.47	+15 06 59.8	9 675
(4886)	1994 11 27.32205	04 06 17.29	+27 23 59.1	9 675	(5133)	1988 03 18.42865	12 32 14.11	+15 07 10.2	9 675
(4907)	1988 08 16.38194	22 43 36.29	-10 46 26.6	9 675	(5136)	1993 04 18.34948	14 18 42.79	+02 38 50.7	9 675
(4907)	1988 08 16.41233	22 43 35.08	-10 46 37.3	9 675	(5136)	1993 04 18.38177	14 18 41.32	+02 38 58.0	9 675
(4907)	1988 09 11.22396	22 25 45.81	-13 09 31.5	9 675	(5139)	1989 07 05.40399	21 33 05.98	-18 41 46.0	9 675
(4907)	1988 09 11.25712	22 25 44.55	-13 09 41.0	9 675	(5139)	1989 07 05.43628	21 33 05.16	-18 41 51.0	9 675
(4907)	1988 09 12.25417	22 25 04.94	-13 14 33.9	9 675	(5155)	1994 05 10.34514	15 26 24.24	-17 08 44.2	9 675
(4907)	1988 09 12.28837	22 25 03.51	-13 14 44.7	9 675	(5155)	1994 05 10.37656	15 26 22.58	-17 08 42.7	9 675
(4923)	1991 08 08.35660	22 06 48.58	+00 11 02.6	9 675	(5162)	1988 03 18.39931	12 31 16.99	+13 19 00.0	9 675
(4925)	1991 08 08.32569	21 47 54.52	+00 54 09.7	9 675	(5162)	1988 03 18.42865	12 31 15.51	+13 19 07.5	9 675
(4925)	1991 08 08.35660	21 47 53.13	+00 54 06.8	9 675	(5172)	1987 11 26.32292	02 01 02.22	+16 38 45.4	9 675
(4926)	1987 11 26.32292	02 00 40.12	+14 11 03.9	9 675	(5172)	1987 11 26.35694	02 01 01.46	+16 38 31.1	9 675
(4926)	1987 11 26.35694	02 00 38.87	+14 10 56.0	9 675	(5172)	1989 03 09.43281	12 02 53.47	-08 18 11.0	9 675
(4929)	1988 08 16.38194	22 28 18.92	-11 23 51.1	9 675	(5172)	1993 04 19.36788	15 07 51.10	-21 45 27.6	9 675
(4929)	1988 08 16.41233	22 28 17.26	-11 24 01.2	9 675	(5172)	1993 04 19.39821	15 07 49.56	-21 45 19.8	9 675
(4929)	1988 09 12.25417	22 03 34.99	-14 11 56.7	9 675	(5178)	1993 04 19.36788	14 50 20.11	-23 00 57.4	9 675
(4929)	1988 09 12.28837	22 03 33.26	-14 12 06.4	9 675	(5178)	1993 04 19.39821	14 50 18.12	-23 00 53.0	9 675
(4936)	1988 09 12.25417	22 10 29.08	-11 48 27.0	9 675	(5179)	1993 04 19.36788	14 47 10.55	-26 56 32.6	9 675
(4936)	1988 09 12.28837	22 10 27.36	-11 48 41.8	9 675	(5179)	1993 04 19.39821	14 47 08.67	-26 56 30.8	9 675
(4938)	1994 05 10.34514	15 04 43.22	-16 30 43.0	17.8 9 675	(5221)	1989 11 28.36840	05 00 27.23	+24 16 45.7	9 675
(4938)	1994 05 10.37656	15 04 41.25	-16 30 31.9	9 675	(5221)	1989 11 28.40712	05 00 25.15	+24 16 42.2	9 675
(4938)	1994 06 08.24132	14 41 39.02	-14 01 32.4	9 675	(5225)	1988 08 16.38194	22 28 14.38	-12 40 00.2	9 675
(4938)	1994 06 08.27083	14 41 38.07	-14 01 26.7	9 675	(5225)	1988 08 16.41233	22 28 13.03	-12 40 09.0	9 675
(4945)	1991 08 08.32569	22 02 14.60	-02 39 30.3	9 675	(5225)	1988 09 11.21623	22 09 04.08	-14 40 59.1	9 675
(4945)	1991 08 08.35660	22 02 13.68	-02 39 37.9	9 675	(5225)	1988 09 11.24931	22 09 02.76	-14 41 05.5	9 675
(4969)	1993 04 18.34948	14 28 59.55	+06 30 12.0	9 675	(5225)	1988 09 12.25417	22 08 23.01	-14 44 47.7	9 675
(4969)	1993 04 18.38177	14 28 58.03	+06 30 30.2	9 675	(5225)	1988 09 12.28837	22 08 21.54	-14 44 54.7	9 675
(4981)	1988 09 11.22396	22 41 48.03	-12 37 25.5	9 675	(5233)	1988 09 11.25712	22 35 21.68	-10 09 14.2	9 675
(4981)	1988 09 11.25712	22 41 46.48	-12 37 33.4	9 675	(5235)	1989 03 09.40174	11 52 53.51	-08 07 37.7	9 675
(4981)	1991 04 16.16354	10 50 16.53	+10 41 18.7	9 675	(5235)	1989 03 09.43281	11 52 51.76	-08 07 28.9	9 675
(4981)	1991 04 16.19306	10 50 15.89	+10 41 20.4	9 675	(5246)	1989 09 27.28976	23 47 01.44	-01 20 23.9	9 675
(4993)	1994 05 10.34514	15 10 55.47	-20 52 12.8	9 675	(5246)	1989 09 27.31615	23 47 00.54	-01 20 41.8	9 675
(4993)	1994 05 10.37656	15 10 53.37	-20 52 12.1	9 675	(5252)	1989 11 22.27101	02 09 19.34	-00 58 14.3	9 675
(5008)	1991 04 16.16354	11 02 17.04	+12 12 15.3	9 675	(5252)	1989 11 22.30694	02 09 17.91	-00 58 16.1	9 675
(5008)	1991 04 16.19306	11 02 16.59	+12 12 17.9	9 675	(5262)	1989 11 02.39774	03 04 05.42	-00 39 40.7	9 675
(5048)	1994 05 10.34514	15 19 39.05	-20 53 14.7	9 675	(5262)	1989 11 02.43507	03 04 03.58	-00 39 44.1	9 675
(5048)	1994 05 10.37656	15 19 37.27	-20 53 08.1	9 675	(5272)	1990 04 01.43212	13 07 10.35	-02 13 02.0	9 675
(5053)	1994 10 03.32986	00 55 29.16	-06 41 35.2	9 675	(5272)	1990 04 01.47778	13 07 07.75	-02 12 42.1	9 675
(5053)	1994 10 03.35990	00 55 27.59	-06 41 49.9	9 675	(5276)	1989 11 22.27101	02 00 40.29	-01 33 32.6	9 675
(5055)	1994 01 07.35642	07 23 26.28	+20 23 54.1	9 675	(5296)	1991 04 16.16354	10 47 04.04	+11 42 12.3	9 675
(5055)	1994 01 07.38646	07 23 24.78	+20 23 59.1	9 675	(5296)	1991 04 16.19306	10 47 03.63	+11 42 14.2	9 675
(5056)	1994 07 13.38281	20 18 12.52	-28 25 55.5	9 675	(5298)	1994 01 07.35642	07 21 11.71	+24 09 05.5	9 675
(5072)	1994 05 10.34514	15 03 05.20	-19 09 44.6	9 675	(5311)	1991 01 18.38889	08 22 40.11	+14 07 13.0	9 675
(5072)	1994 05 10.37656	15 03 03.56	-19 09 38.3	9 675	(5311)	1991 01 18.42292	08 22 38.32	+14 07 17.8	9 675
(5072)	1994 06 08.24132	14 41 53.52	-17 44 36.3	9 675	(5313)	1994 01 07.35642	07 12 10.70	+21 40 59.4	9 675
(5072)	1994 06 08.27083	14 41 52.52	-17 44 32.7	9 675	(5313)	1994 01 07.38646	07 12 08.55	+21 41 07.0	9 675

(5326)	1988 09 10.34444	22 59 19.46	-03 50 05.7	9 675	(5689)	1994 05 10.34514	15 30 45.52	-19 14 07.4	9 675
(5347)	1982 08 19.45486	23 49 47.41	-00 57 10.7	9 675	(5699)	1988 09 10.30677	22 39 45.27	+00 14 07.0	9 675
(5347)	1982 08 19.48194	23 49 46.66	-00 57 20.6	9 675	(5699)	1988 09 10.34444	22 39 43.20	+00 13 54.7	9 675
(5350)	1993 09 20.21250	23 01 35.84	-02 44 43.0	9 675	(5701)	1988 09 11.21623	22 07 25.13	-21 16 21.1	9 675
(5350)	1993 09 20.25052	23 01 33.67	-02 44 54.9	9 675	(5701)	1988 09 11.24931	22 07 23.51	-21 16 22.0	9 675
(5362)	1991 04 16.16354	11 05 49.36	+11 13 43.3	9 675	(5729)	1993 09 20.21250	22 50 20.85	+02 16 05.7	17.8 9 675
(5362)	1991 04 16.19306	11 05 48.77	+11 13 46.5	9 675	(5729)	1993 09 20.25052	22 50 19.25	+02 15 47.1	9 675
(5365)	1991 04 16.16354	11 07 23.39	+08 28 06.5	9 675	(5741)	1991 04 16.16354	11 12 32.22	+09 51 50.4	18.5 9 675
(5365)	1991 04 16.19306	11 07 22.52	+08 28 09.5	9 675	(5741)	1991 04 16.19306	11 12 31.46	+09 51 53.5	9 675
(5397)	1994 02 10.40816	10 19 33.38	-07 28 17.6	9 675	(5770)	1991 03 09.28889	11 42 06.51	+02 29 12.1	18.0 9 675
(5407)	1992 02 04.33594	07 49 08.93	+24 27 43.2	9 675	(5799)	1991 04 16.16354	10 57 37.81	+13 01 07.4	18.5 9 675
(5413)	1991 10 07.41684	02 10 14.13	+12 59 35.9	9 675	(5799)	1991 04 16.19306	10 57 36.83	+13 01 03.0	9 675
(5413)	1991 10 07.45260	02 10 12.66	+12 59 27.8	9 675	(5809)	1994 01 07.38646	07 01 24.97	+22 12 25.7	9 675
(5417)	1991 06 14.39358	17 42 40.99	-24 37 35.5	2 675	(5810)	1989 09 30.34010	00 59 56.63	+01 24 15.0	9 675
(5417)	1991 06 14.41580	17 42 39.61	-24 37 33.8	2 675	(5810)	1989 09 30.37500	00 59 54.64	+01 23 59.3	9 675
(5417)	1991 06 16.42604	17 40 24.69	-24 35 29.4	2 675	(5819)	1989 11 22.27101	02 02 53.74	+02 41 49.6	9 675
(5417)	1991 06 16.45347	17 40 23.09	-24 35 26.9	2 675	(5825)	1988 09 11.22396	22 51 50.77	-13 22 31.1	17.8 9 675
(5452)	1994 10 01.42274	02 56 22.06	+26 18 27.0	9 675	(5825)	1988 09 11.25712	22 51 49.14	-13 22 49.5	9 675
(5452)	1994 10 01.45990	02 56 20.64	+26 18 26.9	9 675	(5830)	1991 04 16.16354	11 19 55.57	+11 27 17.3	9 675
(5453)	1988 08 16.31441	21 10 47.34	-10 39 58.5	9 675	(5843)	1991 04 16.19306	10 56 58.87	+09 33 54.1	9 675
(5453)	1988 08 16.34878	21 10 45.26	-10 40 13.9	9 675	(5845)	1989 11 28.21771	02 52 41.89	+27 03 06.9	9 675
(5484)	1994 11 27.29028	03 55 41.65	+25 57 46.3	9 675	(5845)	1989 11 28.26406	02 52 39.77	+27 02 51.7	9 675
(5484)	1994 11 27.32205	03 55 39.19	+25 57 50.7	9 675	(5847)	1989 11 28.36840	04 49 55.46	+28 25 20.5	9 675
(5494)	1994 06 08.24132	14 31 00.37	-16 33 50.4	9 675	(5847)	1989 11 28.40712	04 49 52.85	+28 25 03.3	9 675
(5494)	1994 06 08.27083	14 30 59.46	-16 33 45.7	9 675	(5861)	1989 11 02.42587	03 58 52.46	+24 22 34.1	9 675
(5508)	1991 10 07.41684	02 28 59.58	+13 17 34.3	9 675	(5861)	1989 11 02.46094	03 58 50.16	+24 22 29.3	18.0 9 675
(5508)	1991 10 07.45260	02 28 58.04	+13 17 31.8	9 675	(5861)	1989 11 22.41597	03 35 43.66	+23 15 34.5	9 675
(5510)	1988 08 16.38194	22 38 03.81	-18 13 00.6	9 675	(5873)	1989 11 06.29097	01 08 25.68	-02 28 26.4	9 675
(5510)	1988 08 16.41233	22 38 02.82	-18 13 19.9	9 675	(5873)	1989 11 06.32170	01 08 24.70	-02 28 27.1	9 675
(5557)	1990 07 21.41111	21 16 19.96	-25 26 40.2	15.5 2 675	(5878)	1989 11 22.27101	02 13 10.17	+03 09 35.2	9 675
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(5557)	1990 07 23.38038	21 14 29.67	-25 33 38.3	2 675	(5915)	1989 09 02.44931	00 22 04.16	-06 03 08.8	9 675
(5557)	1994 07 13.35174	20 48 05.74	-27 58 05.6	9 675	(5915)	1989 09 02.48160	00 22 02.82	-06 03 22.0	9 675
(5557)	1994 07 13.38281	20 48 03.98	-27 58 11.7	9 675	(5915)	1994 01 07.35642	07 24 23.19	+22 53 05.2	9 675
(5560)	1994 10 03.32986	00 49 13.70	-04 17 31.6	9 675	(5915)	1994 01 07.38646	07 24 21.12	+22 53 15.8	9 675
(5560)	1994 10 03.35990	00 49 11.88	-04 17 41.5	9 675	(5924)	1988 09 11.25712	22 32 08.49	-14 40 14.4	9 675
(5609)	1992 02 04.30365	07 50 32.26	+22 46 31.1	18.8 9 675	(5937)	1991 04 16.16354	10 58 05.92	+10 11 12.6	9 675
(5615)	1989 03 09.40174	12 03 42.98	-04 46 02.1	9 675	(5937)	1991 04 16.19306	10 58 04.98	+10 11 13.7	9 675
(5615)	1989 03 09.43281	12 03 41.33	-04 45 52.2	9 675	(5940)	1991 10 06.29097	23 36 13.30	-11 51 38.3	9 675
(5617)	1989 03 09.40174	11 54 24.93	-09 28 16.1	9 675	(5940)	1991 10 06.32500	23 36 11.76	-11 51 36.9	9 675
(5617)	1989 03 09.43281	11 54 23.32	-09 28 06.1	9 675	(5948)	1985 05 24.31950	15 18 18.34	-11 49 08.1	9 675
(5638)	1989 11 22.27101	01 56 36.33	+00 30 07.8	9 675	(5948)	1985 05 24.34317	15 18 16.95	-11 49 12.9	9 675
(5647)	1994 11 27.29809	04 05 42.43	+17 58 16.5	9 675	(5950)	1992 11 26.32483	03 38 49.37	+33 15 40.0	9 675
(5647)	1994 11 27.32917	04 05 40.46	+17 57 34.1	9 675	(5950)	1992 11 26.35660	03 38 47.50	+33 15 30.8	9 675
(5662)	1988 09 10.30677	22 36 00.55	-01 05 01.9	9 675	(5964)	1994 06 08.24132	14 49 15.44	-12 20 50.1	9 675
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(5681)	1989 03 09.40174	11 59 18.55	-05 01 51.5	9 675	(5982)	1991 08 08.35660	21 51 09.62	-01 37 56.8	9 675
(5681)	1989 03 09.43281	11 59 16.70	-05 01 45.7	9 675	(5992)	1991 08 08.32569	22 00 16.08	+02 22 48.1	9 675

(5992)	1991 08 08.35660	22 00 14.57	+02 22 44.4	9 675	(6187)	1988 09 12.25417	22 14 34.96	-14 01 27.4	9 675
(5994)	1991 12 03.38351	05 31 37.41	+38 23 56.3	9 675	(6187)	1988 09 12.28837	22 14 33.51	-14 01 34.3	9 675
(5994)	1991 12 03.41701	05 31 35.04	+38 24 00.7	9 675	(6195)	1994 11 27.29809	04 00 11.50	+14 52 04.5	9 675
(6006)	1991 10 07.41684	02 18 21.71	+15 35 19.6	9 675	(6195)	1994 11 27.32917	04 00 09.57	+14 52 00.5	9 675
(6006)	1991 10 07.45260	02 18 20.14	+15 35 14.4	9 675	(6206)	1989 07 05.40399	21 10 56.61	-14 43 50.1	9 675
(6007)	1988 09 11.24931	21 55 04.64	-16 19 24.6	9 675	(6211)	1988 09 12.25417	22 25 56.24	-08 54 18.6	9 675
(6008)	1988 08 16.38194	22 26 24.57	-17 13 28.9	9 675	(6211)	1988 09 12.28837	22 25 54.40	-08 54 23.8	9 675
(6008)	1988 08 16.41233	22 26 22.73	-17 13 41.4	9 675	(6216)	1991 04 16.16354	10 59 03.98	+09 44 29.7	9 675
(6008)	1988 09 11.21623	22 01 36.21	-19 30 55.1	9 675	(6216)	1991 04 16.19306	10 59 03.34	+09 44 30.1	9 675
(6008)	1988 09 11.24931	22 01 34.51	-19 31 00.8	9 675	(6229)	1991 03 09.28889	11 44 18.53	+02 49 35.4	9 675
(6012)	1994 06 08.24132	14 40 27.33	-12 19 25.0	9 675	(6229)	1991 03 09.31788	11 44 17.13	+02 49 44.8	9 675
(6023)	1988 08 16.38194	22 33 19.24	-14 49 36.8	9 675	(6243)	1994 11 27.29028	04 11 37.67	+27 12 06.7	9 675
(6023)	1988 08 16.41233	22 33 17.67	-14 49 53.4	9 675	(6243)	1994 11 27.32205	04 11 35.28	+27 11 58.6	9 675
(6023)	1988 09 11.21623	22 11 00.02	-18 23 03.4	9 675	(6265)	1988 09 11.22396	22 45 18.35	-16 55 19.2	9 675
(6023)	1988 09 11.24931	22 10 58.38	-18 23 16.3	9 675	(6270)	1989 07 05.40399	21 20 48.44	-11 54 11.1	9 675
(6030)	1989 09 27.28976	23 47 28.09	-02 16 56.4	9 675	(6270)	1989 07 05.43628	21 20 47.46	-11 54 09.6	9 675
(6030)	1989 09 27.31615	23 47 27.06	-02 17 05.9	9 675	(6278)	1994 11 27.29028	03 45 24.76	+23 47 28.9	9 675
(6034)	1988 08 16.38194	22 37 43.95	-14 01 19.9	9 675	(6278)	1994 11 27.32205	03 45 22.66	+23 47 23.4	9 675
(6034)	1988 09 11.21623	22 12 33.76	-15 59 42.1	9 675	(6310)	1992 04 05.18872	06 44 57.71	+44 10 56.6	9 675
(6034)	1988 09 11.24931	22 12 31.93	-15 59 48.1	9 675	(6317)	1993 09 18.30642	23 59 50.73	-10 54 53.6	9 675
(6052)	1989 09 02.44931	00 23 48.26	-01 49 21.5	9 675	(6331)	1993 09 18.26806	23 50 28.38	-12 24 30.2	9 675
(6052)	1989 09 02.48160	00 23 47.35	-01 49 39.2	9 675	(6331)	1993 09 18.30642	23 50 26.39	-12 24 50.3	9 675
(6057)	1989 09 30.34010	01 03 49.04	-03 22 01.6	9 675	(6345)	1991 10 06.29097	23 20 50.79	-14 27 18.5	9 675
(6057)	1989 09 30.37500	01 03 47.72	-03 22 21.7	9 675	(6345)	1991 10 06.32500	23 20 49.58	-14 27 22.0	9 675
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(6089)	1994 10 03.35990	00 37 03.72	-05 46 09.6	9 675	(6348)	1993 09 20.25052	22 43 14.65	-02 42 02.0	9 675
(6104)	1992 02 04.30365	08 02 05.81	+19 19 49.7	9 675	(6360)	1989 09 30.34010	00 36 53.48	+00 29 52.1	9 675
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(6115)	1991 12 03.38351	05 54 11.40	+31 15 57.8	9 675	(6361)	1991 04 16.16354	10 59 12.97	+16 24 15.7	9 675
(6115)	1991 12 03.41701	05 54 08.97	+31 15 56.2	9 675	(6361)	1991 04 16.19306	10 59 12.52	+16 24 11.0	9 675
(6136)	1989 11 06.29097	01 10 38.32	-08 23 18.5	9 675	(6368)	1993 09 20.21250	22 37 37.44	-01 59 06.1	9 675
(6136)	1989 11 06.32170	01 10 37.24	-08 23 21.4	9 675	(6368)	1993 09 20.25052	22 37 35.17	-01 59 12.9	9 675
(6140)	1992 02 04.30365	07 50 43.01	+21 53 00.1	9 675	(6405)	1989 07 05.40399	21 20 19.24	-16 10 29.4	9 675
(6140)	1992 02 04.33594	07 50 41.19	+21 53 09.6	9 675	(6405)	1989 07 05.43628	21 20 18.33	-16 10 39.7	9 675
(6146)	1990 04 01.43212	13 11 34.06	-04 29 28.3	9 675	(6433)	1989 11 22.27101	02 10 44.28	+01 05 42.1	9 675
(6146)	1990 04 01.47778	13 11 31.24	-04 29 14.9	9 675	(6433)	1989 11 22.30694	02 10 42.90	+01 05 56.8	9 675
(6150)	1988 09 12.25417	22 00 08.80	-11 20 49.2	9 675	(6435)	1993 09 18.26806	00 02 34.92	-14 13 18.3	18.0 9 675
(6150)	1988 09 12.28837	22 00 07.38	-11 20 54.0	9 675	(6435)	1993 09 18.30642	00 02 32.71	-14 14 09.8	9 675
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(6150)	1989 11 28.40712	05 10 01.70	+28 19 34.3	9 675	(6436)	1985 05 24.34317	14 53 50.20	-09 51 45.2	9 675
(6159)	1987 11 26.32292	02 00 59.04	+15 50 16.1	9 675	(6448)	1989 07 05.43628	21 12 21.06	-16 47 54.4	9 675
(6159)	1987 11 26.35694	02 00 57.58	+15 50 15.0	9 675	(6457)	1994 01 07.35642	07 20 59.23	+20 41 52.3	9 675
(6167)	1992 02 04.30365	07 54 59.42	+22 35 44.3	9 675	(6457)	1994 01 07.38646	07 20 57.60	+20 41 57.0	9 675
(6170)	1994 10 01.42274	02 40 34.43	+27 55 14.8	9 675	(6465)	1988 09 11.25712	22 33 01.97	-17 47 43.5	9 675
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(6173)	1994 11 27.29809	03 59 43.10	+17 30 11.9	9 675	(6494)	1989 09 02.48160	00 37 41.64	-02 28 57.9	9 675
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(6179)	1991 10 06.29097	23 34 37.84	-16 36 36.5	9 675	(6513)	1987 11 26.35694	01 59 39.48	+13 34 46.3	9 675
(6184)	1994 10 03.32986	00 55 59.93	-06 33 50.7	9 675	(6513)	1994 06 08.24132	14 40 42.08	-14 53 21.3	18.8 9 675
(6184)	1994 10 03.35990	00 55 58.11	-06 33 57.3	9 675	(6513)	1994 06 08.27083	14 40 41.28	-14 53 12.3	9 675
(6187)	1988 08 16.38194	22 34 33.51	-12 13 08.3	9 675	(6526)	1991 04 16.16354	10 57 52.39	+12 33 06.5	17.8 9 675
(6187)	1988 08 16.41233	22 34 32.20	-12 13 15.9	9 675	(6526)	1991 04 16.19306	10 57 51.56	+12 33 09.7	9 675

(6537)	1991 04 16.16354	10 59 25.08	+11 57 27.3	18.5	9 675	(6844)	1990 04 01.47778	13 16 55.85	+00 29 44.5	9 675
(6537)	1991 04 16.19306	10 59 24.18	+11 57 30.2		9 675	(6857)	1991 12 03.38351	05 28 27.02	+33 56 37.3	9 675
(6554)	1991 02 10.47865	11 32 17.10	-00 33 38.1		9 675	(6867)	1989 11 22.27101	02 05 16.20	+01 10 29.4	9 675
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(6563)	1993 04 19.36788	14 38 31.22	-22 24 14.2		9 675	(6886)	1994 11 27.29809	03 58 48.15	+10 30 56.8	9 675
(6563)	1993 04 19.39821	14 38 29.20	-22 24 12.2		9 675	(6886)	1994 11 27.32917	03 58 46.18	+10 31 00.0	9 675
(6596)	1993 01 23.46007	10 54 15.77	+14 03 50.0		9 675	(6893)	1989 03 09.40174	12 03 23.76	-07 29 15.3	9 675
(6596)	1993 01 23.49566	10 54 14.56	+14 03 56.7		9 675	(6893)	1989 03 09.43281	12 03 21.98	-07 29 10.5	9 675
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(6636)	1994 05 10.34514	15 17 11.66	-15 01 42.7		9 675	(6903)	1988 08 16.38194	22 40 05.54	-13 15 21.7	9 675
(6636)	1994 05 10.37656	15 17 09.61	-15 01 35.9		9 675	(6903)	1988 08 16.41233	22 40 04.17	-13 15 30.8	9 675
(6636)	1994 06 08.24132	14 51 27.90	-13 09 30.5		9 675	(6903)	1988 09 12.25417	22 19 15.43	-15 08 32.5	9 675
(6636)	1994 06 08.27083	14 51 26.76	-13 09 25.0		9 675	(6903)	1988 09 12.28837	22 19 13.90	-15 08 39.3	9 675
(6639)	1992 02 04.30365	07 58 24.82	+23 26 02.3		9 675	(6906)	1994 07 13.35174	20 41 16.94	-31 16 13.8	9 675
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(6658)	1988 08 16.41233	22 54 23.22	-12 55 20.0		9 675	(6947)	1994 11 27.29809	03 57 58.75	+17 19 53.1	9 675
(6658)	1988 09 11.22396	22 32 24.05	-16 04 10.6		9 675	(6949)	1993 09 18.26806	23 47 03.07	-13 25 48.0	9 675
(6658)	1988 09 11.25712	22 32 22.36	-16 04 22.3		9 675	(6958)	1991 02 10.47865	11 20 51.63	-05 03 34.2	18.5 9 675
(6659)	1994 06 08.24132	14 37 20.30	-18 43 10.6		9 675	(6980)	1991 04 16.16354	11 03 37.32	+10 53 08.4	9 675
(6659)	1994 06 08.27083	14 37 19.42	-18 43 00.8		9 675	(6980)	1991 04 16.19306	11 03 36.52	+10 53 10.5	9 675
(6661)	1994 06 08.24132	14 33 29.21	-12 30 05.2		9 675	(7010)	1993 04 19.36788	14 33 59.90	-22 13 05.5	9 675
(6661)	1994 06 08.27083	14 33 28.24	-12 30 01.2		9 675	(7010)	1993 04 19.39821	14 33 58.01	-22 13 00.9	9 675
(6670)	1993 01 23.49566	10 34 51.37	+20 08 14.9		9 675	(7033)	1992 02 04.30365	08 01 14.63	+17 57 48.6	17.0 9 675
(6687)	1994 05 10.37656	15 25 17.51	-18 13 50.9		9 675	(7033)	1992 02 04.33594	08 01 12.72	+17 58 03.2	9 675
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(6694)	1989 03 09.40174	12 00 26.56	-08 41 15.3		9 675	(7039)	1993 09 20.25052	22 41 21.68	-04 10 28.9	9 675
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(6728)	1991 10 07.45260	02 05 53.25	+13 40 54.6		9 675	(7137)	1994 01 07.35642	07 08 29.96	+23 02 30.7	9 675
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(6734)	1994 10 03.35990	00 42 02.68	-11 01 00.0		9 675	(7146)	1991 08 08.32569	22 08 52.46	+04 22 07.1	9 675
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(6745)	1988 09 11.25712	22 51 34.69	-13 48 36.5	18.0	9 675	(7160)	1994 01 07.38646	07 30 31.03	+20 19 01.5	9 675
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(6789)	1991 10 06.32500	23 16 54.59	-12 09 21.9		9 675	(7191)	1994 10 03.35990	00 41 43.53	-07 06 18.4	9 675
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(7266)	1988 09 11.25712	22 45 23.39	-12 39 02.4	9 675	1996 YZ ₂	1996 12 30.12383	00 46 05.56	+04 11 57.8	18.5 R 683
(7281)	1988 09 11.21623	21 53 30.30	-18 53 18.8	9 675	1996 YZ ₂	1997 01 02.10091	00 48 47.60	+04 20 07.0	683
(7281)	1988 09 11.24931	21 53 29.17	-18 53 25.1	9 675	1996 YZ ₂	1997 01 02.18497	00 48 52.26	+04 20 21.1	683
(7294)	1989 09 02.44931	00 40 30.33	-06 12 13.3	9 675	1996 YZ ₂	1997 01 02.20109	00 48 53.17	+04 20 25.4	683
(7294)	1989 09 02.48160	00 40 29.19	-06 12 23.8	9 675	1997 AS ₆	* 1997 01 08.09671	00 55 40.54	+05 00 26.1	18.8 R 683
(7295)	1989 09 27.28976	23 43 10.54	-00 40 09.1	9 675	1997 AS ₆	1997 01 08.10999	00 55 41.68	+05 00 33.8	683
(7295)	1989 09 27.31615	23 43 09.30	-00 40 24.6	9 675	1997 AS ₆	1997 01 08.12583	00 55 42.92	+05 00 42.1	683
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(7296)	1994 01 07.38646	07 25 51.87	+19 26 36.2	9 675	1997 AS ₆	1997 01 08.18292	00 55 47.69	+05 01 09.9	683
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(7335)	1989 11 02.39774	02 48 42.19	-00 09 12.4	9 675	1997 AS ₆	1997 01 10.09546	00 58 32.20	+05 17 48.2	683
(7335)	1989 11 02.43507	02 48 36.57	-00 08 35.9	9 675	1997 AT ₆	* 1997 01 09.08417	00 56 24.77	+05 11 04.0	18.3 R 683
(7347)	1989 07 05.40399	21 14 10.51	-15 17 19.8	18.5 9 675	1997 AT ₆	1997 01 09.08958	00 56 25.50	+05 11 07.7	683
(7347)	1989 07 05.43628	21 14 09.52	-15 17 22.1	9 675	1997 AT ₆	1997 01 09.09821	00 56 26.76	+05 11 13.2	683
(7352)	1988 08 16.38194	22 20 04.32	-14 05 39.5	9 675	1997 AT ₆	1997 01 10.08023	00 58 49.29	+05 22 06.4	683
(7352)	1988 08 16.41233	22 20 03.37	-14 05 46.8	9 675	1997 AT ₆	1997 01 10.08692	00 58 50.28	+05 22 10.4	683
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(7352)	1989 09 02.44931	00 37 22.70	-04 24 45.5	17.2 9 675	1997 AT ₆	1997 01 10.12250	00 58 55.36	+05 22 35.0	683
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(7360)	1994 10 01.42274	03 07 25.87	+25 52 28.6	9 675	1997 AT ₁₇	1997 01 12.49132	08 31 08.30	+21 57 35.6	18.2 R 683
(7361)	1994 11 27.29028	03 49 55.84	+24 02 57.7	17.5 9 675	1997 AT ₁₇	1997 01 12.50591	08 31 07.65	+21 57 37.6	18.1 R 683
(7361)	1994 11 27.32205	03 49 53.89	+24 02 52.1	9 675	1997 AT ₁₇	1997 01 16.20639	08 28 06.39	+22 10 59.0	18.1 R 683
683 Goodricke-Pigott Observatory, Tucson					1997 AT ₁₇	1997 01 16.21360	08 28 06.03	+22 11 00.4	683
R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A.					1997 AT ₁₇	1997 01 16.22256	08 28 05.55	+22 11 02.6	683
[tucker@mail.hvs.com]					(2804)	1996 12 30.27588	05 31 14.71	+17 17 48.4	683
0.36-m Schmidt-Cassegrain + CCD					(2804)	1996 12 30.28319	05 31 14.31	+17 17 49.8	683
GSC					(2804)	1996 12 30.29109	05 31 13.92	+17 17 51.1	683
1996 XY ₂₅	1996 12 16.09537	23 59 38.27	-14 01 18.2	683	(2804)	1997 01 03.22527	05 28 03.94	+17 28 06.9	683
1996 XY ₂₅	1996 12 16.10388	23 59 38.91	-14 01 12.8	683	(2804)	1997 01 03.23244	05 28 03.61	+17 28 07.5	683
1996 XY ₂₅	1996 12 16.11189	23 59 39.47	-14 01 07.7	683	(2804)	1997 01 03.23807	05 28 03.34	+17 28 08.8	683
1996 XY ₂₅	1996 12 21.09164	00 05 42.72	-13 12 04.0	683	(3200)	1996 12 22.12436	00 02 40.02	+22 36 03.1	17.6 R 683
1996 XY ₂₅	1996 12 21.09972	00 05 43.28	-13 11 59.2	683	(3200)	1996 12 22.13762	00 02 40.68	+22 35 55.5	17.6 R 683
1996 XY ₂₅	1996 12 21.11051	00 05 44.11	-13 11 53.7	683	(3200)	1996 12 22.15087	00 02 41.33	+22 35 48.9	17.3 R 683
1996 XY ₂₅	1996 12 21.12315	00 05 44.95	-13 11 46.5	683	(3200)	1996 12 23.17103	00 03 34.53	+22 26 55.8	18.0 R 683
1996 XY ₂₅	1996 12 23.07937	00 08 12.75	-12 51 51.9	683	(3200)	1996 12 23.17906	00 03 34.99	+22 26 49.1	18.0 R 683
1996 XY ₂₅	1996 12 23.09193	00 08 13.94	-12 51 45.4	683	(3200)	1996 12 23.18721	00 03 35.44	+22 26 47.0	17.4 R 683
1996 XY ₂₅	1996 12 29.07851	00 16 02.51	-11 49 10.8	19.4 R 683	(3401)	1996 12 26.49338	10 07 09.49	+34 41 09.5	13.5 R 683
1996 XY ₂₅	1996 12 29.08623	00 16 03.10	-11 49 05.9	19.3 R 683	(3401)	1996 12 26.50230	10 07 09.07	+34 41 03.8	13.7 R 683
1996 XY ₂₅	1996 12 29.09493	00 16 03.74	-11 48 59.7	19.3 R 683	(3401)	1996 12 26.51443	10 07 08.51	+34 40 56.2	14.1 R 683
1996 XY ₂₅	1996 12 29.10619	00 16 04.67	-11 48 52.8	19.1 R 683	(3401)	1996 12 30.44949	10 03 54.15	+33 59 21.3	13.6 R 683
1996 XA ₂₆	1996 12 15.17728	02 03 39.03	+01 31 56.4	683	(3401)	1996 12 30.45407	10 03 53.86	+33 59 18.4	13.6 R 683
1996 XA ₂₆	1996 12 15.18949	02 03 38.87	+01 32 04.4	683	(3401)	1996 12 30.45941	10 03 53.53	+33 59 14.9	13.7 R 683
1996 XA ₂₆	1996 12 15.22698	02 03 39.00	+01 32 29.5	683	(3531)	1996 12 12.25046	02 04 03.36	+01 27 03.5	683
1996 XA ₂₆	1996 12 26.10756	02 06 04.83	+03 32 30.6	683	(3531)	1996 12 12.26709	02 04 03.19	+01 27 02.3	683

(3531)	1996 12 12.28429	02 04 03.03	+01 27 00.6		683
(3531)	1996 12 14.23278	02 03 49.93	+01 25 03.7		683
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(4187)	1996 12 30.10409	00 45 45.31	+04 05 51.3		683
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(4187)	1997 01 03.10191	00 47 48.70	+04 19 01.1		683
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(5864)	1996 12 30.33557	05 20 21.10	+12 25 14.9		683
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(5864)	1996 12 31.25620	05 19 33.04	+12 26 51.7	19.1 R	683
(5995)	1996 12 12.16626	23 56 17.60	-14 37 39.9		683
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(5995)	1996 12 14.14164	23 57 04.83	-14 24 12.8		683
(5995)	1996 12 14.19786	23 57 06.13	-14 23 48.3		683

684 Prescott

P. G. Comba, 1411 Galaxy Lane, Prescott, AZ 86303, U.S.A.

[comba@bs11.bsl.net.com]

0.46-m $f/4.5$ reflector + CCD

GSC

1979 TH ₂	1997 01 04.17958	02 22 31.49	+15 00 05.6	17.6 R	E 684
1979 TH ₂	1997 01 04.18584	02 22 31.60	+15 00 06.3		E 684
1979 TH ₂	1997 01 04.23970	02 22 32.67	+15 00 12.1		E 684
1987 UV ₁	1997 01 17.48130	13 39 20.81	-11 35 07.9		E 684
1987 UV ₁	1997 01 17.48759	13 39 21.13	-11 35 09.2	19.4 R	E 684
1987 UV ₁	1997 01 17.51206	13 39 22.19	-11 35 16.1		E 684
1987 UV ₁	1997 01 18.50319	13 40 06.83	-11 40 16.9		684
1987 UV ₁	1997 01 18.51855	13 40 07.51	-11 40 22.6	19.2 R	684
1987 UV ₁	1997 01 18.52669	13 40 07.82	-11 40 24.6		684
1990 BA	1997 01 17.48130	13 39 15.59	-11 35 19.6		F 684
1990 BA	1997 01 17.48759	13 39 16.71	-11 35 26.1	19.1 R	E 684
1990 BA	1997 01 18.48385	13 41 52.46	-11 53 44.8		684
1990 BA	1997 01 18.49468	13 41 54.13	-11 53 55.7		684
1990 TH ₇	1997 01 04.17958	02 21 55.23	+15 04 57.8	18.8 R	684
1990 TH ₇	1997 01 04.18584	02 21 55.30	+15 04 57.9		684
1990 TH ₇	1997 01 04.23970	02 21 56.00	+15 05 01.5		684
1990 TH ₇	1997 01 08.21087	02 23 01.02	+15 09 48.9	19.5 R	684
1990 TH ₇	1997 01 08.25294	02 23 01.76	+15 09 52.2	19.4 R	684
1995 ON	1997 01 10.19745	03 52 09.09	+12 07 42.6	18.0 R	684
1995 ON	1997 01 10.22521	03 52 08.65	+12 07 48.1		684
1995 ON	1997 01 12.25721	03 51 43.35	+12 14 49.8		684
1995 ON	1997 01 12.26912	03 51 43.25	+12 14 52.1	18.3 R	684
1995 ON	1997 01 16.21524	03 51 15.60	+12 29 35.5	18.3 R	684
1995 ON	1997 01 16.25966	03 51 15.45	+12 29 45.4		684
1996 UA	1996 12 16.15176	00 36 28.97	+08 31 50.0	18.2 R	684
1996 UA	1996 12 16.15840	00 36 29.16	+08 31 52.4		684
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1996 UU ₁	1996 12 16.17378	00 34 50.88	+05 43 09.6	18.6 R	684
1996 UU ₁	1996 12 16.18095	00 34 51.03	+05 43 11.1		684

1996 UU ₁	1996 12 16.18799	00 34 51.20	+05 43 12.1		684
1996 UU ₁	1996 12 29.15957	00 41 09.31	+06 30 20.4		684
1996 UU ₁	1996 12 29.16541	00 41 09.50	+06 30 21.7		684
1996 UU ₁	1996 12 29.17074	00 41 09.65	+06 30 22.8	18.9 R	684
1996 VM ₂	1996 12 30.25130	03 08 32.19	+16 54 24.5	17.7 R	684
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1996 VM ₂	1996 12 30.25831	03 08 32.11	+16 54 26.2		684
1996 VQ ₆	1997 01 10.18974	03 08 15.40	+16 01 08.0	18.2 R	684
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1996 WQ	1996 12 30.21262	02 08 04.47	+27 42 30.1		684
1996 WX	1996 12 30.22317	02 45 23.41	+20 16 21.1	19.1 R	684
1996 WX	1996 12 30.23035	02 45 23.52	+20 16 22.5		684
1996 WX	1996 12 30.23902	02 45 23.56	+20 16 24.2		684
1996 XC	1996 12 17.29070	04 49 41.06	+19 12 39.5	17.7 R	684
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1996 XC	1996 12 17.29590	04 49 40.73	+19 12 39.8		684
1996 XC	1996 12 30.28877	04 37 42.61	+19 19 43.9	18.1 R	684
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1996 XE ₂	1996 12 17.27823	03 12 47.38	+15 35 04.6	16.8 R	684
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1996 XE ₂	1996 12 17.28365	03 12 47.18	+15 35 05.2		684
1996 XE ₂	1996 12 17.30184	03 12 46.48	+15 35 07.0		684
1996 XE ₂	1996 12 29.18075	03 08 00.60	+16 04 59.6	17.2 R	684
1996 XE ₂	1996 12 29.18372	03 08 00.55	+16 05 00.3		684
1996 XE ₂	1996 12 29.19199	03 08 00.43	+16 05 01.7		684
1996 XE ₂	1996 12 29.22663	03 07 59.95	+16 05 08.3		684
1996 XW ₈	1996 12 16.13111	00 08 00.00	+01 09 58.0	18.7 R	684
1996 XW ₈	1996 12 16.13685	00 08 00.17	+01 09 58.4		684
1996 XW ₈	1996 12 16.14328	00 08 00.37	+01 09 58.8		684
1996 XW ₈	1996 12 29.13634	00 15 54.14	+01 37 23.0	18.5 R	684
1996 XW ₈	1996 12 29.14375	00 15 54.46	+01 37 24.0		684
1996 XW ₈	1996 12 29.15079	00 15 54.72	+01 37 24.7		684
1996 XY ₈	1996 12 16.19715	00 38 27.96	+08 12 25.0	19.4 R	684
1996 XY ₈	1996 12 16.20440	00 38 28.28	+08 12 26.3		684
1996 XW ₁₄	1996 12 17.36110	08 21 22.58	+32 53 24.6		684
1996 XW ₁₄	1996 12 17.36477	08 21 22.49	+32 53 26.6	16.3 R	684
1996 XD ₂₀	1996 12 18.33772	04 52 27.09	+18 10 06.1	17.9 R	684
1996 XD ₂₀	1996 12 18.34116	04 52 26.86	+18 10 07.0		684
1996 XD ₂₀	1996 12 18.34476	04 52 26.64	+18 10 07.4		684
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1996 XD ₂₀	1997 01 04.23054	04 38 53.26	+19 00 07.4	18.1 R	684
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1996 XZ ₂₅	1997 01 04.25089	07 43 31.44	+21 51 33.0	16.8 R	684
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1996 XZ ₂₅	1997 01 04.28936	07 43 29.41	+21 51 46.9		684

1996 XZ ₂₅	1997 01 04.30645	07 43 28.50	+21 51 53.1	16.7 R	684	1997 AW ₄	1997 01 08.25294	02 23 59.07	+15 04 50.3	18.5 R	684
1996 XH ₂₆	* 1996 12 15.35130	07 57 05.78	+19 42 45.0	18.1 R	684	1997 AW ₄	1997 01 09.20706	02 24 26.03	+15 05 27.5	18.5 R	684
1996 XH ₂₆	1996 12 15.37444	07 57 04.99	+19 42 46.4		684	1997 AW ₄	1997 01 09.21587	02 24 26.24	+15 05 28.0		684
1996 XH ₂₆	1996 12 17.31787	07 56 00.49	+19 45 04.3	17.9 R	684	1997 AW ₄	1997 01 09.22381	02 24 26.48	+15 05 28.3		684
1996 XH ₂₆	1996 12 17.33844	07 55 59.73	+19 45 06.0		684	1997 AX ₄	* 1997 01 04.26469	07 41 25.67	+22 04 31.7	17.7 R	684
1996 XH ₂₆	1996 12 17.35021	07 55 59.27	+19 45 06.9	17.8 R	684	1997 AX ₄	1997 01 04.27183	07 41 25.20	+22 04 31.5		684
1996 XH ₂₆	1996 12 18.36274	07 55 22.43	+19 46 28.1		684	1997 AX ₄	1997 01 08.26494	07 37 22.98	+22 02 20.0	17.8 R	684
1996 XH ₂₆	1996 12 18.38159	07 55 21.70	+19 46 29.6	18.1 R	684	1997 AX ₄	1997 01 08.27938	07 37 22.06	+22 02 19.5		684
1996 XH ₂₆	1997 01 08.33488	07 36 30.20	+20 30 05.5	17.3 R	684	1997 AY ₄	* 1997 01 04.28007	06 57 48.77	+23 37 33.9	18.2 R	E 684
1996 XH ₂₆	1997 01 08.33891	07 36 29.92	+20 30 06.1		684	1997 AY ₄	1997 01 04.28465	06 57 48.45	+23 37 35.3		E 684
1996 YA	* 1996 12 17.32492	07 57 36.83	+19 43 19.8	19.4 R	684	1997 AY ₄	1997 01 04.30065	06 57 47.31	+23 37 40.7		E 684
1996 YA	1996 12 17.34504	07 57 35.89	+19 43 22.9		I 684	1997 AY ₄	1997 01 08.29545	06 53 14.60	+24 00 13.1	18.4 R	684
1996 YA	1996 12 18.35593	07 56 57.35	+19 46 16.6	18.7 R	684	1997 AY ₄	1997 01 08.30498	06 53 13.95	+24 00 16.2		684
1996 YA	1996 12 18.37458	07 56 56.56	+19 46 20.3		684	1997 AY ₄	1997 01 08.30934	06 53 13.61	+24 00 17.7		684
1996 YA	1996 12 18.39253	07 56 55.94	+19 46 23.7		684	1997 AD ₆	* 1997 01 01.30292	07 45 35.63	+21 39 42.0	18.9 R	684
1996 YT ₂	* 1996 12 18.33772	04 51 43.47	+18 06 01.4	17.6 R	684	1997 AD ₆	1997 01 01.32508	07 45 34.21	+21 39 50.3		684
1996 YT ₂	1996 12 18.34116	04 51 43.29	+18 06 01.1		684	1997 AD ₆	1997 01 04.26469	07 42 28.98	+21 55 39.0		I 684
1996 YT ₂	1996 12 18.34476	04 51 43.08	+18 06 00.8		684	1997 AD ₆	1997 01 04.27183	07 42 28.47	+21 55 41.7		I 684
1996 YT ₂	1996 12 29.20720	04 43 12.68	+17 58 37.3	17.7 R	684	1997 AD ₆	1997 01 08.22497	07 38 09.44	+22 17 02.9		684
1996 YT ₂	1996 12 29.21940	04 43 12.18	+17 58 37.4		684	1997 AD ₆	1997 01 08.23190	07 38 08.99	+22 17 04.8		684
1996 YT ₂	1996 12 30.26602	04 42 32.98	+17 58 26.7	17.9 R	684	1997 AD ₆	1997 01 08.23936	07 38 08.48	+22 17 07.1	19.0 R	684
1996 YT ₂	1996 12 30.27042	04 42 32.80	+17 58 26.7		684	1997 AE ₆	* 1997 01 08.21087	02 23 22.50	+15 02 17.2	19.2 R	684
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1996 YT ₂	1997 01 10.20682	04 37 50.36	+18 02 24.9		I 684	1997 AE ₆	1997 01 09.20706	02 24 12.66	+15 04 59.8	19.5 R	684
1996 YT ₂	1997 01 10.23627	04 37 49.96	+18 02 26.2	18.2 R	684	1997 AE ₆	1997 01 09.21587	02 24 13.07	+15 05 00.8		684
1997 AA	* 1997 01 01.37149	07 01 28.03	+23 34 28.4	17.0 R	684	1997 AE ₆	1997 01 09.22381	02 24 13.44	+15 05 01.4		F 684
1997 AA	1997 01 01.38442	07 01 27.29	+23 34 30.7		684	1997 AF ₆	* 1997 01 08.21087	02 23 33.59	+15 03 37.2	19.2 R	684
1997 AA	1997 01 02.27120	07 00 36.20	+23 36 44.2	17.0 R	684	1997 AF ₆	1997 01 08.25294	02 23 34.99	+15 03 32.8		684
1997 AA	1997 01 02.29241	07 00 34.94	+23 36 47.5		684	1997 AF ₆	1997 01 09.20706	02 24 09.50	+15 01 54.2		I 684
1997 AA	1997 01 02.29522	07 00 34.77	+23 36 47.9		684	1997 AF ₆	1997 01 09.21587	02 24 09.82	+15 01 53.8		684
1997 AA	1997 01 04.28007	06 58 39.76	+23 41 42.7	16.5 R	684	1997 AF ₆	1997 01 09.22381	02 24 10.13	+15 01 53.0	19.4 R	684
1997 AA	1997 01 04.28465	06 58 39.47	+23 41 43.3		684	1997 AG ₆	* 1997 01 08.22497	07 37 52.90	+22 21 37.8		684
1997 AA	1997 01 04.30065	06 58 38.52	+23 41 45.8		684	1997 AG ₆	1997 01 08.23190	07 37 52.39	+22 21 37.4		684
1997 AA	1997 01 08.30047	06 54 47.33	+23 51 15.0	16.6 R	684	1997 AG ₆	1997 01 08.23936	07 37 51.84	+22 21 37.0	18.3 R	684
1997 AA	1997 01 08.31583	06 54 46.52	+23 51 17.2		I 684	1997 AG ₆	1997 01 09.25203	07 36 40.07	+22 20 26.8	18.0 R	684
1997 AB	* 1997 01 01.37841	06 59 53.34	+23 44 53.8	18.5 R	684	1997 AG ₆	1997 01 09.26499	07 36 39.12	+22 20 26.1		684
1997 AB	1997 01 01.39042	06 59 52.64	+23 44 58.3		684	1997 AG ₆	1997 01 09.27052	07 36 38.70	+22 20 25.9		684
1997 AB	1997 01 01.39625	06 59 52.29	+23 44 59.9	18.5 R	684	1997 AG ₆	1997 01 11.27788	07 34 15.99	+22 18 00.0	17.6 R	684
1997 AB	1997 01 02.25722	06 59 02.41	+23 49 42.4		684	1997 AG ₆	1997 01 11.28512	07 34 15.56	+22 18 01.0		I 684
1997 AB	1997 01 02.26302	06 59 01.97	+23 49 44.6		684	1997 AH ₆	* 1997 01 08.22497	07 38 33.15	+22 17 38.5		684
1997 AB	1997 01 09.23368	06 52 16.95	+24 26 33.4		684	1997 AH ₆	1997 01 08.23190	07 38 32.70	+22 17 39.8		684
1997 AB	1997 01 09.23918	06 52 16.65	+24 26 34.7	18.8 R	684	1997 AH ₆	1997 01 08.23936	07 38 32.18	+22 17 41.9	18.5 R	684
1997 AB	1997 01 09.24471	06 52 16.33	+24 26 36.5		684	1997 AH ₆	1997 01 09.25203	07 37 25.77	+22 21 55.3	18.5 R	684
1997 AC	* 1997 01 01.37841	07 00 37.37	+23 36 10.6	19.0 R	684	1997 AH ₆	1997 01 09.26499	07 37 24.90	+22 21 58.3		684
1997 AC	1997 01 01.39042	07 00 36.51	+23 36 12.1		684	1997 AH ₆	1997 01 09.27052	07 37 24.45	+22 21 59.6		I 684
1997 AC	1997 01 01.39625	07 00 35.96	+23 36 13.2		684	1997 AJ ₆	* 1997 01 08.27219	07 39 08.33	+22 08 16.1		684
1997 AC	1997 01 02.27892	06 59 31.20	+23 38 32.0	18.7 R	684	1997 AJ ₆	1997 01 08.28689	07 39 07.54	+22 08 19.9	18.7 R	684
1997 AC	1997 01 02.28638	06 59 30.66	+23 38 33.1		684	1997 AJ ₆	1997 01 09.25851	07 38 17.68	+22 12 47.6		684
1997 AW ₄	* 1997 01 04.17958	02 22 18.43	+15 03 28.3	18.5 R	684	1997 AJ ₆	1997 01 09.27700	07 38 16.72	+22 12 52.7		684
1997 AW ₄	1997 01 04.18584	02 22 18.54	+15 03 28.5		684	1997 AJ ₆	1997 01 09.28258	07 38 16.41	+22 12 54.1	19.0 R	684
1997 AW ₄	1997 01 04.23970	02 22 19.67	+15 03 28.6		684	1997 AK ₆	* 1997 01 08.32228	06 52 03.12	+24 19 31.8		684
1997 AW ₄	1997 01 08.21087	02 23 57.96	+15 04 48.9	18.5 R	684	1997 AK ₆	1997 01 08.32811	06 52 02.81	+24 19 32.3	18.3 R	684

1997 AK ₆	1997 01 09.23368	06 51 13.89	+24 20 47.5		684
1997 AK ₆	1997 01 09.23918	06 51 13.59	+24 20 47.9	18.6 R	684
1997 AK ₆	1997 01 09.24471	06 51 13.31	+24 20 48.3		684
1997 AL ₆	* 1997 01 08.32228	06 52 23.86	+24 27 25.6		684
1997 AL ₆	1997 01 08.32811	06 52 23.49	+24 27 23.5	17.6 R	684
1997 AL ₆	1997 01 09.23368	06 51 17.92	+24 20 35.5		684
1997 AL ₆	1997 01 09.23918	06 51 17.50	+24 20 33.1	18.0 R	684
1997 AL ₆	1997 01 09.24471	06 51 17.09	+24 20 30.5		684
1997 AL ₆	1997 01 10.24581	06 50 05.11	+24 12 56.6	I 684	
1997 AL ₆	1997 01 10.25115	06 50 04.72	+24 12 54.7	17.8 R	684
1997 AL ₆	1997 01 11.23402	06 48 54.86	+24 05 28.4	I 684	
1997 AL ₆	1997 01 11.25288	06 48 53.46	+24 05 19.5	18.0 R	684
1997 AM ₆	1997 01 11.23402	06 49 21.32	+23 59 25.2		684
1997 AM ₆	1997 01 11.25288	06 49 20.04	+23 59 31.9	17.6 R	684
1997 AM ₆	1997 01 12.28995	06 48 12.57	+24 05 34.0	17.6 R	684
1997 AM ₆	1997 01 12.29544	06 48 12.11	+24 05 36.9		684
1997 AJ ₁₂	* 1997 01 10.24581	06 49 24.33	+24 11 11.8		684
1997 AJ ₁₂	1997 01 10.25115	06 49 23.94	+24 11 13.3	18.9 R	684
1997 AJ ₁₂	1997 01 11.24285	06 48 17.42	+24 15 38.1	I 684	
1997 AJ ₁₂	1997 01 11.26115	06 48 16.10	+24 15 44.8	18.2 R	684
1997 AK ₁₂	* 1997 01 10.26800	08 10 17.36	+19 59 52.5	19.6 R	684
1997 AK ₁₂	1997 01 10.28120	08 10 16.47	+19 59 55.5		684
1997 AK ₁₂	1997 01 11.29392	08 09 08.13	+20 03 36.7		684
1997 AK ₁₂	1997 01 11.30758	08 09 07.20	+20 03 39.4	19.2 R	684
1997 AK ₁₂	1997 01 11.31493	08 09 06.66	+20 03 40.9		684
1997 AL ₁₂	* 1997 01 10.26800	08 10 41.35	+20 02 43.2	F 684	
1997 AL ₁₂	1997 01 10.28120	08 10 40.70	+20 02 47.5	F 684	
1997 AL ₁₂	1997 01 11.30090	08 09 43.70	+20 07 28.2	19.7 R	684
1997 AL ₁₂	1997 01 11.32196	08 09 42.43	+20 07 34.0		684
1997 AM ₁₂	* 1997 01 10.19745	03 51 17.43	+12 11 48.6	17.6 R	E 684
1997 AM ₁₂	1997 01 10.22521	03 51 17.21	+12 11 52.5	E 684	
1997 AM ₁₂	1997 01 12.25721	03 51 07.96	+12 16 53.9		684
1997 AM ₁₂	1997 01 12.26912	03 51 07.92	+12 16 55.7	17.4 R	684
1997 AM ₁₂	1997 01 16.21524	03 51 09.43	+12 27 48.4	17.8 R	684
1997 AM ₁₂	1997 01 16.25966	03 51 09.56	+12 27 56.1		684
1997 AN ₁₂	* 1997 01 10.19745	03 51 42.10	+12 05 30.4	18.2 R	684
1997 AN ₁₂	1997 01 10.22521	03 51 41.85	+12 05 31.4		684
1997 AN ₁₂	1997 01 12.24920	03 51 30.37	+12 07 05.1		684
1997 AN ₁₂	1997 01 12.26321	03 51 30.31	+12 07 05.7		684
1997 AN ₁₂	1997 01 12.27559	03 51 30.24	+12 07 06.2	18.3 R	684
1997 AO ₁₂	* 1997 01 11.27788	07 33 30.39	+22 14 39.0	18.2 R	E 684
1997 AO ₁₂	1997 01 11.28512	07 33 29.88	+22 14 43.6	E 684	
1997 AO ₁₂	1997 01 12.30410	07 32 20.78	+22 25 20.3	18.2 R	684
1997 AO ₁₂	1997 01 12.30985	07 32 20.36	+22 25 23.9		684
1997 BM	* 1997 01 17.48130	13 39 03.48	-11 41 41.8		E 684
1997 BM	1997 01 17.48759	13 39 03.99	-11 41 44.8	19.0 R	E 684
1997 BM	1997 01 17.51206	13 39 06.04	-11 41 55.9	E 684	
1997 BM	1997 01 18.50319	13 40 31.46	-11 48 38.0		684
1997 BM	1997 01 18.51855	13 40 32.78	-11 48 44.1	19.0 R	684
1997 BN	* 1997 01 17.49753	13 39 56.86	-11 42 06.5		684
1997 BN	1997 01 17.50367	13 39 57.10	-11 42 07.1		684
1997 BN	1997 01 17.52113	13 39 57.63	-11 42 12.2	19.3 R	684

1997 BN	1997 01 18.50319	13 40 30.24	-11 46 46.0		684
1997 BN	1997 01 18.51855	13 40 30.80	-11 46 49.2	19.6 R	684
1997 BO	* 1997 01 17.53840	10 25 44.38	+10 08 15.4		684
1997 BO	1997 01 17.55329	10 25 43.92	+10 08 17.0	19.2 R	684
1997 BO	1997 01 18.54759	10 25 12.35	+10 09 55.5	19.7 R	684
1997 BO	1997 01 18.55529	10 25 12.09	+10 09 56.1		684
4837 P-L	1997 01 04.26469	07 42 14.61	+21 55 01.2		I 684
4837 P-L	1997 01 04.27183	07 42 14.25	+21 55 01.9		I 684
4837 P-L	1997 01 08.27219	07 38 47.74	+22 03 18.0		684
4837 P-L	1997 01 08.28689	07 38 46.95	+22 03 19.8	17.7 R	684
(4437)	1996 12 29.20033	04 45 14.40	+17 46 51.1	16.1 R	E 684
(4437)	1996 12 29.21351	04 45 13.70	+17 46 49.7		E 684
(5408)	1996 12 16.13111	00 08 25.34	+01 08 52.8	17.8 R	684
(5408)	1996 12 16.13685	00 08 25.57	+01 08 53.8		684
(5408)	1996 12 16.14328	00 08 25.82	+01 08 55.0		684
(6571)	1997 01 02.27120	07 00 08.74	+23 29 25.7	17.3 R	684
(6571)	1997 01 02.29241	07 00 07.28	+23 29 25.3		E 684
(6571)	1997 01 02.29522	07 00 07.08	+23 29 24.9		E 684

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Observer A. K. B. Monet

0.20-m transit telescope + CCD

GSC

1975 AN	1996 12 29.36846	07 56 04.12	+13 08 29.5	14.8 V	689
1975 AN	1996 12 30.36476	07 54 39.38	+12 56 22.2	14.5 V	689
1978 SM ₅	1996 12 01.32231	04 59 02.50	+25 10 17.5	16.9 V	689
1978 ST ₇	1996 12 01.47008	08 32 25.29	+24 57 32.9	16.7 V	689
1979 HH	1996 12 29.35271	07 33 19.20	+19 22 12.6	16.3 V	689
1979 HH	1996 12 30.34938	07 32 27.31	+19 24 37.3	16.5 V	689
1980 TZ ₃	1996 12 01.10909	23 51 08.92	+00 18 17.6	16.7 V	689
1980 UU ₁	1996 12 29.34204	07 17 55.29	+23 46 25.8	16.8 V	689
1980 UU ₁	1996 12 30.33857	07 16 51.45	+23 47 58.5	17.0 V	689
1981 EK ₁₈	1996 12 01.41246	07 09 12.98	+20 53 48.2	16.1 V	689
1981 FC ₁	1996 12 01.37531	06 15 35.74	+36 42 54.8	15.9 V	689
1981 RG ₅	1996 12 29.27916	05 47 08.62	+34 31 52.6	16.1 V	689
1981 RG ₅	1996 12 30.27561	05 45 57.29	+34 31 03.4	15.6 V	689
1982 DU	1996 12 01.48861	08 59 11.84	+39 41 09.4	15.6 V	689
1982 FK ₃	1996 12 01.33376	05 15 34.27	+15 18 47.2	15.5 V	689
1982 UE	1996 12 01.40756	07 02 08.94	+23 05 03.2	15.9 V	689
1983 RF ₂	1996 12 30.14792	02 41 33.87	+12 55 21.2	16.6 V	689
1984 EX	1996 12 01.36811	06 05 10.81	+30 48 18.9	15.9 V	689
1984 EX	1996 12 30.26839	05 35 31.44	+30 42 54.9	15.7 V	689
1984 UX	1996 12 01.14264	00 39 35.60	+11 03 39.1	15.4 V	689
1984 UX	1996 12 30.08679	01 13 17.81	+15 09 22.9	15.8 V	689
1986 QS	1996 12 01.31748	04 52 04.67	+37 19 39.2	15.2 V	689
1986 RE ₁	1996 12 01.16927	01 18 03.01	+05 36 20.6	16.7 V	689
1987 YH	1996 12 01.27450	03 49 58.89	+05 17 44.9	15.1 V	689
1988 TD	1996 12 30.24572	05 02 47.28	+23 32 28.3	16.5 V	689
1988 VS ₂	1996 12 01.14799	00 47 19.91	+03 45 30.3	16.1 V	689

1989 EC ₃	1996 12 01.39242	06 40 16.03	+08 56 38.5	16.2 V	689	(622)	1996 12 30.14272	02 34 02.37	+01 13 07.8	13.3 V	689
1989 WO ₁	1996 12 30.40871	08 58 08.27	+30 30 44.6	15.4 V	689	(908)	1996 12 30.28966	06 06 14.03	+27 26 32.2	12.5 V	689
1989 XD ₁	1996 12 30.29313	06 11 13.97	+16 06 48.7	16.5 V	689	(990)	1996 12 30.13728	02 26 12.13	+26 55 56.3	14.9 V	689
1990 FG	1996 12 01.05955	22 39 37.82	+02 36 39.6	16.1 V	689	(1104)	1996 12 30.07194	00 51 51.38	-03 06 30.4	15.2 V	689
1990 SJ ₁₆	1996 12 01.23311	02 50 14.50	+23 56 17.9	15.6 V	689	(1204)	1996 12 30.20999	04 11 11.70	+23 56 50.3	15.2 V	689
1990 VU ₁₄	1996 12 01.47288	08 36 27.46	+23 24 45.0	15.8 V	689	(1205)	1996 12 01.44013	07 49 11.36	+34 30 04.2	15.8 V	689
1990 WN ₅	1996 12 30.31368	06 40 55.56	+33 53 31.9	16.4 V	689	(1205)	1996 12 30.34246	07 22 28.59	+37 06 08.2	15.5 V	689
1991 PN ₈	1996 12 01.17593	01 27 40.44	+06 44 15.5	16.7 V	689	(1359)	1996 12 01.08000	23 09 09.75	-17 02 47.2	16.1 V	689
1991 PN ₁₃	1996 12 01.38327	06 27 05.11	+42 37 37.8	15.7 V	689	(2027)	1996 12 29.37991	08 12 36.72	+33 53 27.3	14.8 V	689
1991 PN ₁₃	1996 12 30.27964	05 51 46.66	+41 57 22.4	15.0 V	689	(2078)	1996 12 01.48239	08 50 12.17	+21 01 25.3	14.7 V	689
1992 LP	1996 12 30.09009	01 18 03.75	+04 59 45.4	17.1 V	689	(2093)	1996 12 01.31380	04 46 44.45	+12 35 48.1	16.1 V	689
1992 PS ₆	1996 12 30.12671	02 10 55.71	+14 07 40.7	17.3 V	689	(2093)	1996 12 29.21869	04 19 48.01	+12 21 42.5	16.0 V	689
1992 RO ₅	1996 12 01.21359	02 22 02.89	+10 16 12.5	15.8 V	689	(2093)	1996 12 30.21548	04 19 06.58	+12 22 45.2	16.5 V	689
1992 SV ₁₂	1996 12 30.27214	05 40 56.36	+35 00 39.7	16.5 V	689	(2129)	1996 12 29.37322	08 02 56.83	+28 13 23.0	16.2 V	689
1992 SY ₁₄	1996 12 30.35600	07 42 00.30	+10 47 13.3	15.6 V	689	(2129)	1996 12 30.36974	08 01 51.75	+28 19 41.3	15.9 V	689
1992 SC ₂₄	1996 12 01.28733	04 08 31.63	+19 06 25.0	14.6 V	689	(2467)	1996 12 01.26674	03 38 48.40	+29 14 54.2	15.6 V	689
1992 US ₄	1996 12 01.43653	07 43 58.82	+21 36 59.4	15.6 V	689	(2502)	1996 12 01.11341	23 57 24.14	+00 06 42.5	16.9 V	689
1992 WU ₁	1996 12 01.12574	00 15 12.09	+04 04 31.7	16.1 V	689	(2660)	1996 12 01.13457	00 27 57.22	+02 14 53.4	16.6 V	689
1992 WR ₃	1996 12 30.09750	01 28 45.48	-04 33 17.0	16.9 V	689	(2941)	1996 12 01.15471	00 57 02.14	+08 52 27.4	16.4 V	689
1992 YM	1996 12 30.24888	05 07 20.06	+13 24 09.0	15.3 V	689	(3027)	1996 12 01.30206	04 29 47.94	+19 08 36.4	15.4 V	689
1992 YB ₁	1996 12 01.19722	01 58 24.30	+13 54 58.8	16.4 V	689	(3531)	1996 12 01.20331	02 07 11.89	+01 54 14.7	16.9 V	689
1993 BM	1996 12 01.29094	04 13 45.47	+34 23 25.7	16.1 V	689	(3531)	1996 12 30.12315	02 05 47.77	+01 37 41.2	17.4 V	689
1993 BV ₂	1996 12 30.28543	06 00 07.64	+24 32 58.4	13.7 V	689	(3532)	1996 12 30.09297	01 22 13.18	+05 12 07.9	16.8 V	689
1993 FJ ₁₀	1996 12 30.31842	06 47 44.95	+25 28 04.6	15.0 V	689	(3707)	1996 12 01.19397	01 53 42.98	+29 04 59.1	14.8 V	689
1993 FM ₁₆	1996 12 01.22597	02 39 54.89	+12 54 06.9	15.7 V	689	(3858)	1996 12 01.28101	03 59 24.72	+34 30 11.7	15.4 V	689
1993 FG ₂₄	1996 12 01.39861	06 49 12.96	+09 46 02.8	16.7 V	689	(3908)	1996 12 29.25431	05 11 14.39	+21 10 00.6	16.0 V	689
1993 FN ₄₁	1996 12 01.25196	03 17 26.70	+16 30 44.2	15.8 V	689	(3908)	1996 12 30.25215	05 12 03.54	+21 06 16.4	16.2 V	689
1993 GM	1996 12 01.42869	07 32 38.81	+19 33 32.8	16.9 V	689	(4297)	1996 12 01.13007	00 21 27.33	-06 18 57.6	16.5 V	689
1993 HL ₅	1996 12 01.42313	07 24 37.38	+23 09 49.3	17.0 V	689	(4297)	1996 12 30.06752	00 45 28.31	-02 13 11.4	17.1 V	689
1993 MK	1996 12 01.20754	02 13 17.47	-28 16 21.2	16.6 V	689	(4328)	1996 12 01.16188	01 07 22.56	+03 19 04.9	16.7 V	689
1993 TE ₅	1996 12 01.06809	22 51 57.75	-03 15 17.6	17.5 V	689	(4818)	1996 12 01.35750	05 49 51.28	+19 21 48.4	16.9 V	689
1993 XO ₁	1996 12 01.24626	03 09 13.55	+14 19 02.8	15.5 V	689	(4818)	1996 12 30.25634	05 18 07.25	+19 03 59.8	17.1 V	689
1994 CZ ₁	1996 12 29.22202	04 24 37.00	+16 55 10.4	15.7 V	689	(4911)	1996 12 30.20372	04 02 07.47	+06 09 42.1	15.2 V	689
1994 ER	1996 12 01.42011	07 20 15.64	+17 24 03.0	17.2 V	689	(4917)	1996 12 01.21040	02 17 26.17	+09 18 09.1	16.5 V	689
1994 JE ₁	1996 12 01.26024	03 29 24.60	+17 57 31.0	16.4 V	689	(4986)	1996 12 01.46655	08 27 18.71	+10 53 22.1	16.2 V	689
1994 JK ₉	1996 12 01.30790	04 38 13.54	+18 38 47.6	16.6 V	689	(5208)	1996 12 01.45654	08 12 51.43	+11 47 20.7	15.6 V	689
1994 PC	1996 12 01.35015	05 39 12.12	-17 11 36.1	16.1 V	689	(5285)	1996 12 01.13824	00 33 15.03	-19 09 33.8	16.8 V	689
1995 SB ₁₃	1996 12 30.32306	06 54 27.75	+16 18 33.1	14.5 V	689	(5285)	1996 12 30.06272	00 38 31.86	-17 21 09.3	17.3 V	689
4116 P-L	1996 12 01.24002	03 00 12.37	+16 36 34.5	17.1 V	689	(5433)	1996 12 30.10610	01 41 10.55	+16 52 38.8	15.9 V	689
1218 T-2	1996 12 30.30074	06 22 13.47	+21 53 27.7	16.2 V	689	(5504)	1996 12 01.41619	07 14 37.24	+33 28 29.1	16.4 V	689
1142 T-3	1996 12 01.36227	05 56 45.46	+29 40 58.3	16.9 V	689	(5507)	1996 12 30.39736	08 41 44.09	+20 56 55.4	16.8 V	689
1142 T-3	1996 12 30.26035	05 23 54.76	+28 23 35.7	16.2 V	689	(5629)	1996 12 01.18012	01 33 42.50	-03 54 10.2	15.7 V	689
(28)	1996 12 01.40389	06 56 49.72	+10 51 30.7	10.8 V	689	(5629)	1996 12 30.10325	01 37 03.82	-02 00 59.1	16.1 V	689
(28)	1996 12 30.30966	06 35 05.43	+11 45 37.6	10.2 V	689	(6662)	1996 12 01.45136	08 05 23.41	+16 10 38.9	14.9 V	689
(85)	1996 12 30.43845	09 41 03.04	-01 35 18.5	13.0 V	689	(7277)	1996 12 01.19036	01 48 29.76	+06 05 02.3	17.1 V	689
(156)	1996 12 01.08727	23 19 39.14	+05 10 03.6	14.3 V	689	(7279)	1996 12 01.16576	01 12 58.48	+11 03 33.0	16.7 V	689
(454)	1996 12 01.33051	05 10 53.50	+29 36 56.9	13.1 V	689	(7286)	1996 12 30.15108	02 46 06.42	-04 28 49.9	16.5 V	689
(454)	1996 12 29.23388	04 41 44.77	+29 24 05.9	13.4 V	689	(7322)	1996 12 01.10250	23 41 38.35	+02 37 08.1	16.9 V	689
(454)	1996 12 30.23056	04 40 53.72	+29 22 35.8	13.4 V	689	(7330)	1996 12 01.23679	02 55 31.70	-16 57 37.6	14.6 V	689
(616)	1996 12 01.24910	03 13 19.68	+41 19 13.0	13.5 V	689	(7331)	1996 12 01.09321	23 28 14.72	-12 07 33.0	17.0 V	689
(616)	1996 12 30.15637	02 53 46.14	+38 44 08.8	14.1 V	689	(7333)	1996 12 30.38929	08 30 05.19	+17 31 18.3	16.2 V	689
(622)	1996 12 01.21721	02 27 15.95	-03 00 02.6	12.8 V	689						

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Observers T. Gehrels, J. V. Scotti, J. Montani

Measurer J. V. Scotti

0.91-m Spacewatch telescope + CCD

GSC

1978 RV ₁	1997 01 09.28921	08 19 39.95	+19 17 54.5	18.8 V	691	1991 CB ₁	1997 01 01.48675	07 26 37.71	+35 00 49.9	20.7 V	691
1978 RV ₁	1997 01 09.31139	08 19 38.52	+19 17 59.7	18.8 V	691	1991 CB ₁	1997 01 01.49576	07 26 36.59	+35 00 50.8	20.7 V	691
1978 RV ₁	1997 01 09.33428	08 19 37.05	+19 18 04.9	18.7 V	691	1991 OW	1997 01 03.32998	09 11 37.09	+12 43 00.5	18.7 V	691
1978 UL ₆	1997 01 12.10853	03 42 18.28	+18 41 56.5	19.8 V	691	1991 OW	1997 01 03.35138	09 11 36.19	+12 43 01.1	18.9 V	691
1978 UL ₆	1997 01 12.13080	03 42 18.71	+18 41 56.6	19.9 V	691	1991 OW	1997 01 03.37312	09 11 35.29	+12 43 01.0	18.8 V	691
1978 UL ₆	1997 01 12.15296	03 42 19.11	+18 41 57.6	20.2 V	691	1991 PT ₁₀	1997 01 02.39968	09 20 54.63	+13 35 16.0	19.8 V	691
1978 VH ₁₁	1997 01 10.29162	09 20 50.20	+21 27 43.0	18.4 V	691	1991 PT ₁₀	1997 01 02.42322	09 20 53.71	+13 35 18.2	19.6 V	691
1978 VH ₁₁	1997 01 10.31518	09 20 49.16	+21 27 50.5	18.4 V	691	1991 PT ₁₀	1997 01 02.44629	09 20 52.78	+13 35 20.9	19.9 V	691
1978 VH ₁₁	1997 01 10.33770	09 20 48.19	+21 27 57.6	18.4 V	691	1991 PT ₁₀	1997 01 10.39746	09 15 07.89	+13 52 31.7	20.6 V	691
1979 SG ₂	1997 01 09.29796	08 32 18.24	+19 13 27.1	18.2 V	691	1991 PT ₁₀	1997 01 10.41959	09 15 06.82	+13 52 34.8	20.6 V	691
1979 SG ₂	1997 01 09.34303	08 32 15.04	+19 13 30.9	18.1 V	691	1991 PT ₁₀	1997 01 10.44142	09 15 05.71	+13 52 37.8	20.4 V	691
1981 DL ₁	1997 01 09.50724	10 17 09.16	+11 21 36.2	19.6 V	691	1991 PT ₁₄	1997 01 10.40544	09 26 38.92	+13 51 06.7	17.7 V	691
1981 DL ₁	1997 01 09.52515	10 17 08.66	+11 21 35.9	19.8 V	691	1991 PT ₁₄	1997 01 10.42757	09 26 38.06	+13 51 12.1	17.8 V	691
1981 DL ₁	1997 01 09.54338	10 17 08.16	+11 21 35.6	19.8 V	691	1991 PT ₁₄	1997 01 10.44941	09 26 37.21	+13 51 17.3	17.8 V	691
1981 EC ₂₉	1996 12 31.16108	03 22 08.81	+20 29 11.9	19.1 V	691	1991 PT ₁₄	1997 01 16.30890	09 22 34.84	+14 17 06.6	17.6 V	691
1981 EC ₂₉	1996 12 31.19069	03 22 08.39	+20 29 08.0	19.2 V	691	1991 PT ₁₄	1997 01 16.32443	09 22 34.08	+14 17 11.3	17.6 V	691
1981 EC ₂₉	1996 12 31.21946	03 22 07.98	+20 29 04.3		691	1991 RP ₁₁	1997 01 16.33790	09 22 33.45	+14 17 15.3	17.5 V	691
1981 EV ₃₄	1997 01 02.39917	09 20 10.34	+13 46 20.5	19.2 V	691	1991 RP ₁₁	1997 01 09.29348	08 25 49.93	+19 14 20.5	19.0 V	691
1981 EV ₃₄	1997 01 02.42271	09 20 09.49	+13 46 24.7	19.2 V	691	1991 RP ₁₁	1997 01 09.31566	08 25 48.60	+19 14 25.2	18.8 V	691
1981 EV ₃₄	1997 01 02.44578	09 20 08.65	+13 46 28.6	19.4 V	691	1991 RP ₁₁	1997 01 09.33855	08 25 47.24	+19 14 30.3	18.8 V	691
1981 UK ₁₁	1996 12 18.20617	03 55 52.23	+15 20 39.1	17.4 V	691	1991 VC ₁₇	* 1991 11 11.42289	03 36 41.37	+20 18 11.5	17.6 V	691
1981 UK ₁₁	1996 12 18.23102	03 55 51.19	+15 20 38.9	17.2 V	691	1991 VC ₁₇	1991 11 11.44452	03 36 40.20	+20 18 07.0		691
1981 UK ₁₁	1996 12 18.25487	03 55 50.15	+15 20 39.3	17.1 V	691	1991 VC ₁₇	1991 11 11.46640	03 36 39.01	+20 18 03.1		691
1981 VL	1996 12 17.49667	11 35 47.45	+06 26 32.9	19.4 V	691	1992 AW ₆	* 1992 01 09.36323	07 53 16.75	+19 39 30.9	18.9 V	691
1981 VL	1996 12 17.50362	11 35 47.77	+06 26 31.4	19.5 V	691	1992 AW ₆	1992 01 09.38835	07 53 15.26	+19 39 34.8		691
1981 VL	1996 12 17.50990	11 35 48.06	+06 26 29.6	19.7 V	691	1992 AW ₆	1992 01 09.41201	07 53 13.82	+19 39 38.1		691
1982 OD	1997 01 09.29155	08 23 02.71	+19 02 11.7	18.0 V	691	1992 AW ₆	1992 02 01.09791	07 32 47.56	+20 34 32.3	19.6 V	691
1982 OD	1997 01 09.31373	08 23 01.49	+19 02 20.0	17.9 V	691	1992 AW ₆	1992 02 01.12287	07 32 46.46	+20 34 36.0		691
1982 OD	1997 01 09.33662	08 23 00.24	+19 02 28.4	18.0 V	691	1992 AW ₆	1992 02 01.14426	07 32 45.49	+20 34 38.5		691
1982 SO ₅	1997 01 09.51280	10 25 34.55	+11 25 54.7	20.3 V	691	1992 BB ₅	1997 01 10.15736	03 36 45.82	+14 47 49.5	17.4 V	691
1982 SO ₅	1997 01 09.53068	10 25 34.08	+11 25 57.3	20.6 V	691	1992 BB ₅	1997 01 10.18016	03 36 45.88	+14 47 55.0	17.5 V	691
1982 SO ₅	1997 01 09.54891	10 25 33.59	+11 26 00.0	20.2 V	691	1992 BB ₅	1997 01 10.20236	03 36 45.95	+14 48 00.8	17.5 V	691
1984 BC	1997 01 09.50727	10 17 14.39	+11 14 16.9	18.5 V	691	1992 EC ₁₂	1994 09 02.15363	21 18 17.27	-10 03 16.0	18.0 V	691
1984 BC	1997 01 09.52519	10 17 15.32	+11 14 34.8	18.6 V	691	1992 EC ₁₂	1994 09 02.17106	21 18 16.69	-10 03 23.5		691
1984 BC	1997 01 09.54343	10 17 16.26	+11 14 53.0	18.5 V	691	1992 EC ₁₂	1994 09 02.18835	21 18 16.09	-10 03 30.5		691
1984 BC	1997 01 10.37446	10 18 01.62	+11 29 03.4	18.5 V	691	1992 SW ₂₆	* 1992 09 23.35299	00 09 36.30	-01 50 44.0		691
1984 BC	1997 01 10.38035	10 18 01.92	+11 29 09.5	18.4 V	691	1992 SW ₂₆	1992 09 23.37127	00 09 35.23	-01 50 52.4	18.1 V	691
1984 BC	1997 01 10.38584	10 18 02.20	+11 29 15.1	18.4 V	691	1992 SW ₂₆	1992 09 23.40049	00 09 33.54	-01 51 05.9		691
1988 RV ₁₀	1997 01 10.40226	09 22 03.82	+13 58 30.9	17.4 V	691	1992 SY ₂₆	* 1992 09 29.12784	23 21 56.35	-07 24 10.1		691
1988 RV ₁₀	1997 01 10.42439	09 22 03.07	+13 58 34.9	17.5 V	691	1992 SY ₂₆	1992 09 29.14620	23 21 55.42	-07 24 15.5		691
1988 RV ₁₀	1997 01 10.44623	09 22 02.33	+13 58 38.9	17.6 V	691	1992 SY ₂₆	1992 09 29.16476	23 21 54.46	-07 24 21.1	19.0 V	691
1988 RA ₁₁	1997 01 09.21274	08 06 39.80	+19 53 12.5	18.5 V	691	1992 YL ₅	* 1992 12 17.20865	05 27 59.93	+12 45 23.7		691
1988 RA ₁₁	1997 01 09.23499	08 06 38.73	+19 53 17.0	18.6 V	691	1992 YL ₅	1992 12 17.21676	05 27 59.45	+12 45 21.7	17.1 V	691
1988 RA ₁₁	1997 01 09.25721	08 06 37.68	+19 53 21.1	18.5 V	691	1993 DH ₃	1992 12 17.22524	05 27 59.01	+12 45 20.6		691
1991 CB ₁	1997 01 01.47723	07 26 38.76	+35 00 50.7	20.9 V	691	1993 DH ₃	* 1993 02 23.20728	09 31 32.89	+13 31 04.3		691
						1993 DH ₃	1993 02 23.22968	09 31 31.82	+13 31 09.4	18.4 V	691
						1993 DH ₃	1993 02 23.25170	09 31 30.76	+13 31 14.4		691
						1993 FZ ₄₆	1997 01 09.44459	09 13 07.22	+21 37 40.6	19.8 V	691
						1993 FZ ₄₆	1997 01 09.46702	09 13 06.28	+21 37 45.0	19.7 V	691
						1994 BN ₅	* 1994 01 18.45756	09 49 59.69	+14 52 56.8		691
						1994 BN ₅	1994 01 18.47819	09 49 58.83	+14 53 02.4	18.2 V	691
						1994 BN ₅	1994 01 18.49878	09 49 57.95	+14 53 08.5		691

1994 CE ₁₉	* 1994 02 13.18000	08 38 12.25	+16 40 49.5	16.4 V	691	1996 VC ₂	1997 01 12.11949	03 25 59.39	+18 38 18.5	18.3 V	691
1994 CE ₁₉	1994 02 13.20227	08 38 10.97	+16 40 58.6		691	1996 VC ₂	1997 01 12.14165	03 25 59.89	+18 38 19.7	18.4 V	691
1994 CE ₁₉	1994 02 13.22530	08 38 09.67	+16 41 08.3		691	1996 VN ₃	1997 01 16.17556	03 42 52.05	+19 57 34.5	18.0 V	691
1994 FC ₁	* 1994 03 16.35975	11 48 36.81	-00 56 22.9		691	1996 VN ₃	1997 01 16.20294	03 42 52.40	+19 57 37.5	18.0 V	691
1994 FC ₁	1994 03 16.41667	11 48 33.19	-00 56 06.7	18.2 V	691	1996 VN ₃	1997 01 16.23114	03 42 52.81	+19 57 40.1	17.9 V	691
1994 FC ₁	1994 03 16.44431	11 48 31.44	-00 55 58.5		691	1996 VL ₄	1996 12 17.06489	03 20 46.70	+19 17 16.9	18.9 V	691
1994 FC ₁	1994 04 02.21146	11 31 43.26	+00 22 56.2	18.4 V	691	1996 VL ₄	1996 12 17.08711	03 20 45.92	+19 17 15.3	18.9 V	691
1994 FC ₁	1994 04 02.28487	11 31 39.05	+00 23 15.9		691	1996 VL ₄	1996 12 17.11842	03 20 44.90	+19 17 13.2	19.1 V	691
1994 FC ₁	1994 04 02.35538	11 31 35.03	+00 23 34.9		691	1996 VE ₉	1996 12 18.19184	03 34 41.03	+15 23 51.1	17.2 V	691
1994 KC	1994 05 11.24250	14 56 24.64	-15 19 10.3	16.8 V	691	1996 VE ₉	1996 12 18.21673	03 34 40.07	+15 23 54.5	17.1 V	691
1994 KC	1994 05 11.28830	14 56 22.28	-15 18 58.2		691	1996 VE ₉	1996 12 18.24058	03 34 39.06	+15 23 55.8	17.1 V	691
1994 PS ₃₇	1992 04 09.19781	12 20 12.07	-01 27 15.8		691	1996 VF ₉	1996 12 18.19400	03 38 17.91	+15 30 12.3	17.1 V	691
1994 PS ₃₇	1992 04 09.22215	12 20 11.05	-01 27 09.3	18.1 V	691	1996 VF ₉	1996 12 18.21885	03 38 17.10	+15 30 15.3	16.9 V	691
1994 PS ₃₇	1992 04 09.24275	12 20 10.16	-01 27 03.6		691	1996 VF ₉	1996 12 18.24270	03 38 16.46	+15 30 18.3	16.7 V	691
1994 PS ₃₇	1997 01 09.28199	08 09 14.67	+19 11 56.9	17.3 V	691	1996 VG ₃₀	1996 12 04.13019	03 33 44.15	+20 07 08.8	16.5 V	691
1994 PS ₃₇	1997 01 09.30417	08 09 13.55	+19 12 00.6	17.3 V	691	1996 VG ₃₀	1996 12 04.15537	03 33 42.85	+20 06 58.1	16.6 V	691
1994 PS ₃₇	1997 01 09.32707	08 09 12.38	+19 12 04.3	17.2 V	691	1996 VG ₃₀	1996 12 04.17900	03 33 41.63	+20 06 47.6	16.8 V	691
1994 SH ₁₁	1994 10 26.23530	00 15 58.03	+00 26 26.3	17.5 V	691	1996 VG ₃₀	1996 12 17.14583	03 24 51.39	+18 38 50.1	16.5 V	691
1994 SH ₁₁	1994 10 26.25275	00 15 57.25	+00 26 25.2		691	1996 VG ₃₀	1996 12 17.16914	03 24 50.63	+18 38 41.6	16.4 V	691
1994 SH ₁₁	1994 10 26.26986	00 15 56.50	+00 26 23.7		691	1996 VG ₃₀	1996 12 17.19313	03 24 49.84	+18 38 32.8	16.3 V	691
1994 WM ₁₃	1994 12 01.31724	03 50 28.19	+14 34 13.6	17.2 V	691	1996 VJ ₃₀	1996 12 05.15326	03 36 32.88	+19 21 48.3	16.8 V	691
1994 WM ₁₃	1994 12 01.35349	03 50 26.39	+14 34 03.1		691	1996 VJ ₃₀	1996 12 05.17863	03 36 31.52	+19 21 39.3	16.9 V	691
1994 WM ₁₃	1994 12 01.38888	03 50 24.64	+14 33 52.4		691	1996 VJ ₃₀	1996 12 05.20204	03 36 30.28	+19 21 31.3	17.0 V	691
1995 GW ₈	* 1995 04 06.37886	12 51 22.49	-00 24 22.7		691	1996 VN ₃₀	1996 12 12.06478	03 20 07.69	+20 13 38.0	16.8 V	691
1995 GW ₈	1995 04 06.40325	12 51 21.07	-00 24 12.5	18.0 V	691	1996 VN ₃₀	1996 12 12.10443	03 20 05.88	+20 13 42.3	16.4 V	691
1995 GW ₈	1995 04 06.42522	12 51 19.79	-00 24 03.1		691	1996 VN ₃₀	1996 12 12.12708	03 20 04.87	+20 13 42.6	16.6 V	691
1995 NQ	* 1995 07 02.39067	21 47 37.46	-11 06 32.0		691	1996 VJ ₃₆	1996 12 01.16118	02 44 53.26	+25 09 07.5	20.4 V	691
1995 NQ	1995 07 02.41690	21 47 36.99	-11 06 35.3		691	1996 VJ ₃₆	1996 12 01.18452	02 44 52.22	+25 09 04.6	20.3 V	691
1995 NQ	1995 07 02.44783	21 47 36.43	-11 06 38.6	19.1 V	691	1996 WY ₂	1996 12 17.06459	03 20 20.98	+19 31 48.4	18.5 V	691
1995 QQ ₃	1996 12 17.34479	08 54 15.43	+14 49 20.2	19.0 V	691	1996 WY ₂	1996 12 17.08681	03 20 20.34	+19 31 56.1	18.5 V	691
1995 QQ ₃	1996 12 17.36687	08 54 14.98	+14 49 23.3	19.0 V	691	1996 WY ₂	1996 12 17.11812	03 20 19.49	+19 32 07.3	18.3 V	691
1995 QQ ₃	1996 12 17.38853	08 54 14.55	+14 49 26.5	19.0 V	691	1996 XK	1996 12 09.09110	02 48 48.82	+24 33 37.3	19.5 V	691
1995 UC ₆	1997 01 09.50720	10 17 01.35	+11 16 20.9	17.7 V	691	1996 XK	1996 12 09.11389	02 48 47.83	+24 33 32.5	19.4 V	691
1995 UC ₆	1997 01 09.52510	10 17 00.83	+11 16 21.2	17.7 V	691	1996 XK	1996 12 09.13673	02 48 46.84	+24 33 27.8	19.3 V	691
1995 UC ₆	1997 01 09.54334	10 17 00.31	+11 16 21.7	17.7 V	691	1996 XK	1996 12 15.09049	02 45 15.24	+24 12 45.2	19.5 V	691
1996 BD ₁₈	* 1996 01 25.24267	08 46 40.70	+23 43 16.0		691	1996 XK	1996 12 15.11415	02 45 14.53	+24 12 40.5	19.7 V	691
1996 BD ₁₈	1996 01 25.26524	08 46 39.41	+23 43 18.0	17.9 V	691	1996 XK	1996 12 15.13830	02 45 13.76	+24 12 36.3	19.8 V	691
1996 BD ₁₈	1996 01 25.28789	08 46 38.07	+23 43 19.7		691	1996 XR ₂	1996 12 17.31357	03 52 26.72	+03 50 39.6	20.6 V	691
1996 EH ₁₆	* 1996 03 12.48976	14 29 49.12	-08 21 59.4	20.0 V	691	1996 XR ₂	1996 12 17.32085	03 52 26.75	+03 50 33.9	20.6 V	691
1996 EH ₁₆	1996 03 12.50468	14 29 48.88	-08 21 54.6		691	1996 XC ₄	1996 12 12.07273	03 31 37.19	+20 13 51.0	20.8 V	691
1996 EH ₁₆	1996 03 27.44236	14 23 59.69	-06 49 37.8	19.1 V	691	1996 XC ₄	1996 12 12.11240	03 31 35.64	+20 13 47.5	20.7 V	691
1996 EH ₁₆	1996 03 27.46781	14 23 58.82	-06 49 27.2		691	1996 XC ₄	1996 12 12.13505	03 31 34.74	+20 13 45.5	20.7 V	691
1996 EH ₁₆	1996 03 27.49277	14 23 57.97	-06 49 16.9		691	1996 XC ₄	1996 12 15.18547	03 29 49.22	+20 09 25.0	21.0 V	691
1996 SX ₆	1996 12 12.16038	03 34 43.29	+19 58 17.9	19.0 V	691	1996 XC ₄	1996 12 15.20873	03 29 48.41	+20 09 23.5	21.2 V	691
1996 SX ₆	1996 12 12.18254	03 34 42.37	+19 58 11.1	19.2 V	691	1996 XC ₄	1996 12 15.23130	03 29 47.58	+20 09 21.7	19.9 V	691
1996 SX ₆	1996 12 12.20504	03 34 41.41	+19 58 04.0	19.3 V	691	1996 XZ ₇	1996 12 18.19465	03 39 14.34	+15 28 06.5	20.2 V	691
1996 SX ₆	1996 12 15.29251	03 32 43.46	+19 42 16.7	19.2 V	691	1996 XZ ₇	1996 12 18.21950	03 39 13.26	+15 28 12.6	19.7 V	691
1996 SX ₆	1996 12 15.31468	03 32 42.62	+19 42 09.6	19.6 V	691	1996 XZ ₇	1996 12 18.24335	03 39 12.33	+15 28 16.7	20.3 V	691
1996 SX ₆	1996 12 15.33731	03 32 41.80	+19 42 02.6	19.7 V	691	1996 XC ₉	1996 11 03.33449	03 42 53.21	+09 31 01.9	17.6 V	691
1996 VC ₂	1996 12 17.06946	03 27 22.10	+19 02 24.3	17.6 V	691	1996 XC ₉	1996 11 03.35576	03 42 51.93	+09 30 59.3	17.7 V	691
1996 VC ₂	1996 12 17.09167	03 27 21.34	+19 02 20.8	17.5 V	691	1996 XC ₉	1996 11 03.37718	03 42 50.67	+09 30 56.9	17.7 V	691
1996 VC ₂	1997 01 12.09723	03 25 58.93	+18 38 17.2	18.4 V	691	1996 XK ₁₂	1996 12 14.30454	08 35 08.36	+23 07 33.3	19.6 V	691

1996 XK ₁₂	1996 12 14.32740	08 35 07.95	+23 07 41.5	19.6 V	691	1996 XA ₁₉	1997 01 09.11951	03 18 22.84	+19 53 06.4	19.0 V	691
1996 XK ₁₂	1996 12 14.35051	08 35 07.53	+23 07 49.6	19.7 V	691	1996 XE ₂₀	1996 12 17.15083	03 32 04.82	+18 49 57.2	21.3 V	691
1996 XP ₁₂	1996 12 01.08912	02 49 52.78	+25 36 18.6	19.3 V	691	1996 XE ₂₀	1996 12 17.17414	03 32 03.96	+18 49 50.0	21.1 V	691
1996 XP ₁₂	1996 12 01.11602	02 49 51.58	+25 36 09.0	19.5 V	691	1996 XE ₂₀	1996 12 17.19813	03 32 03.08	+18 49 42.3	20.9 V	691
1996 XP ₁₂	1996 12 01.13951	02 49 50.55	+25 36 00.5	19.3 V	691	1996 XF ₂₀	1996 12 17.14258	03 20 09.98	+18 53 37.1	19.6 V	691
1996 XW ₁₂	1996 12 18.19710	03 42 46.48	+15 31 17.8	16.8 V	691	1996 XF ₂₀	1996 12 17.16589	03 20 09.38	+18 53 32.7	19.5 V	691
1996 XW ₁₂	1996 12 18.22195	03 42 45.44	+15 31 22.0	16.8 V	691	1996 XF ₂₀	1996 12 17.18989	03 20 08.76	+18 53 28.3	19.6 V	691
1996 XW ₁₂	1996 12 18.24580	03 42 44.40	+15 31 26.0	16.8 V	691	1996 XG ₂₀	1996 12 17.06563	03 21 51.02	+19 09 23.9	19.2 V	691
1996 XY ₁₂	1996 12 18.19751	03 43 21.70	+15 32 55.2	18.9 V	691	1996 XG ₂₀	1996 12 17.08785	03 21 50.40	+19 09 20.8	19.2 V	691
1996 XY ₁₂	1996 12 18.22235	03 43 20.64	+15 32 58.9	19.4 V	691	1996 XG ₂₀	1996 12 17.11916	03 21 49.59	+19 09 15.5	18.9 V	691
1996 XY ₁₂	1996 12 18.24620	03 43 19.66	+15 33 03.7	20.0 V	691	1996 XG ₂₀	1997 01 12.09318	03 20 08.78	+18 36 49.2	20.7 V	691
1996 XA ₁₆	1996 12 17.06487	03 20 44.72	+19 12 54.4	20.8 V	691	1996 XG ₂₀	1997 01 12.11545	03 20 09.13	+18 36 50.1	21.0 V	691
1996 XA ₁₆	1996 12 17.08709	03 20 44.12	+19 12 48.2	20.7 V	691	1996 XG ₂₀	1997 01 12.13761	03 20 09.53	+18 36 50.5	20.4 V	691
1996 XA ₁₆	1996 12 17.11840	03 20 43.28	+19 12 39.2	20.8 V	691	1996 XH ₂₀	1996 12 17.06760	03 24 41.60	+19 21 45.3	19.7 V	691
1996 XH ₁₆	1997 01 10.09424	03 25 23.46	+19 13 16.3	18.8 V	691	1996 XH ₂₀	1996 12 17.08982	03 24 41.16	+19 21 43.4	20.0 V	691
1996 XH ₁₆	1997 01 10.11640	03 25 23.59	+19 13 16.0	18.6 V	691	1996 XH ₂₀	1996 12 17.12114	03 24 40.44	+19 21 40.4	19.8 V	691
1996 XH ₁₆	1997 01 10.13860	03 25 24.13	+19 13 18.6	19.6 V	691	1996 XJ ₂₀	1996 12 17.06734	03 24 18.84	+19 19 51.6	19.8 V	691
1996 XJ ₁₆	1996 12 17.07079	03 29 17.59	+19 28 00.0	19.4 V	691	1996 XJ ₂₀	1996 12 17.08956	03 24 18.05	+19 19 48.3	19.7 V	691
1996 XJ ₁₆	1996 12 17.09300	03 29 16.79	+19 27 56.2	19.2 V	691	1996 XJ ₂₀	1996 12 17.12086	03 24 16.85	+19 19 43.6	19.6 V	691
1996 XT ₁₆	1996 12 17.07398	03 33 54.08	+19 18 26.1	18.8 V	691	1996 XS ₂₀	1996 12 16.07181	03 26 12.18	+19 19 23.3	20.7 V	691
1996 XT ₁₆	1996 12 17.09620	03 33 53.21	+19 18 22.2	18.7 V	691	1996 XS ₂₀	1996 12 16.09396	03 26 11.32	+19 19 24.0	21.3 V	691
1996 XT ₁₆	1996 12 17.12751	03 33 52.04	+19 18 16.2	18.6 V	691	1996 XS ₂₀	1996 12 16.11652	03 26 10.38	+19 19 23.9	20.2 V	691
1996 XT ₁₆	1997 01 12.09990	03 29 50.69	+18 40 12.2	19.6 V	691	1996 XS ₂₀	1996 12 17.06821	03 25 34.59	+19 19 29.7	19.8 V	691
1996 XT ₁₆	1997 01 12.12216	03 29 51.07	+18 40 13.1	19.4 V	691	1996 XS ₂₀	1996 12 17.09043	03 25 33.73	+19 19 29.7	19.9 V	691
1996 XT ₁₆	1997 01 12.14433	03 29 51.47	+18 40 13.7	19.5 V	691	1996 XX ₂₀	1996 12 17.06883	03 26 27.63	+19 23 32.5	18.7 V	691
1996 XA ₁₇	1996 12 17.07233	03 31 30.66	+19 25 03.6	20.8 V	691	1996 XX ₂₀	1996 12 17.09104	03 26 26.98	+19 23 36.1	18.6 V	691
1996 XA ₁₇	1996 12 17.09454	03 31 29.97	+19 25 02.0	20.6 V	691	1996 XJ ₂₁	1996 12 17.33701	08 43 01.80	+14 56 46.5	19.0 V	691
1996 XB ₁₇	1996 12 31.16469	03 27 21.35	+20 09 02.1	19.0 V	691	1996 XJ ₂₁	1996 12 17.35910	08 43 01.41	+14 56 54.8	18.7 V	691
1996 XB ₁₇	1996 12 31.19430	03 27 20.85	+20 09 05.0	18.9 V	691	1996 XJ ₂₁	1996 12 17.38076	08 43 01.09	+14 57 02.5	18.9 V	691
1996 XB ₁₇	1996 12 31.22307	03 27 20.38	+20 09 07.8		691	1996 XK ₂₂	1996 12 03.41348	08 32 52.92	+22 54 43.7	20.7 V	691
1996 XQ ₁₇	1996 12 17.25354	03 48 39.88	+09 11 30.3	19.0 V	691	1996 XK ₂₂	1996 12 03.44647	08 32 52.48	+22 54 47.7	20.9 V	691
1996 XQ ₁₇	1996 12 17.25932	03 48 39.63	+09 11 32.0	19.0 V	691	1996 XK ₂₂	1996 12 03.46792	08 32 52.20	+22 54 50.9	20.3 V	691
1996 XQ ₁₇	1996 12 17.27090	03 48 39.11	+09 11 35.0	19.0 V	691	1996 XU ₂₂	1996 12 17.07041	03 28 44.75	+19 05 40.5	20.2 V	691
1996 XQ ₁₇	1996 12 17.28170	03 48 38.65	+09 11 38.1	19.1 V	691	1996 XU ₂₂	1996 12 17.09263	03 28 44.05	+19 05 33.7	20.0 V	691
1996 XQ ₁₇	1996 12 17.28729	03 48 38.39	+09 11 39.2	19.1 V	691	1996 XX ₂₂	1996 12 03.31436	03 56 10.98	+09 16 45.4	19.3 V	691
1996 XQ ₁₇	1996 12 17.29791	03 48 37.92	+09 11 42.0	19.1 V	691	1996 XX ₂₂	1996 12 03.33746	03 56 09.62	+09 16 42.5	19.3 V	691
1996 XY ₁₇	1996 12 17.06857	03 26 05.49	+19 22 32.6	17.7 V	691	1996 XX ₂₂	1996 12 03.37739	03 56 07.26	+09 16 37.9	19.4 V	691
1996 XY ₁₇	1996 12 17.09079	03 26 04.80	+19 22 24.8	17.6 V	691	1996 XF ₂₃	1996 12 03.31558	03 57 56.83	+09 05 16.9	19.2 V	691
1996 XA ₁₈	1996 12 31.15819	03 17 58.52	+20 04 27.3	19.3 V	691	1996 XF ₂₃	1996 12 03.33868	03 57 55.42	+09 05 15.2	19.0 V	691
1996 XA ₁₈	1996 12 31.18780	03 17 57.92	+20 04 27.5		691	1996 XF ₂₃	1996 12 03.37861	03 57 52.98	+09 05 12.8	18.8 V	691
1996 XA ₁₈	1996 12 31.21657	03 17 57.33	+20 04 28.0	19.4 V	691	1996 XF ₂₃	1996 12 17.25165	03 45 39.94	+09 04 02.2	19.3 V	691
1996 XC ₁₈	1996 12 31.15793	03 17 36.21	+20 31 56.5	19.0 V	691	1996 XF ₂₃	1996 12 17.25744	03 45 39.74	+09 04 03.1	19.3 V	691
1996 XC ₁₈	1996 12 31.18754	03 17 35.54	+20 31 57.1	19.3 V	691	1996 XF ₂₃	1996 12 17.26902	03 45 39.23	+09 04 03.7	19.8 V	691
1996 XC ₁₈	1996 12 31.21631	03 17 34.92	+20 31 58.4		691	1996 XG ₂₃	1996 12 03.31607	03 58 38.92	+09 11 37.5	19.6 V	691
1996 XL ₁₈	1996 12 13.48639	08 45 29.69	+14 30 46.2	21.1 V	691	1996 XG ₂₃	1996 12 03.37910	03 58 35.19	+09 11 27.3	19.6 V	691
1996 XL ₁₈	1996 12 13.50848	08 45 29.19	+14 30 47.2	20.9 V	691	1996 XG ₂₃	1996 12 17.28040	03 46 46.14	+08 48 58.3	20.1 V	691
1996 XL ₁₈	1996 12 13.53065	08 45 28.68	+14 30 48.1	20.8 V	691	1996 XG ₂₃	1996 12 17.28600	03 46 45.85	+08 48 58.1	20.3 V	691
1996 XL ₁₈	1996 12 17.33763	08 43 55.15	+14 34 36.0	20.9 V	691	1996 XG ₂₃	1996 12 17.29661	03 46 45.42	+08 48 57.5	20.2 V	691
1996 XL ₁₈	1996 12 17.35971	08 43 54.53	+14 34 38.1	21.0 V	691	1996 XH ₂₃	1996 12 17.33206	08 35 52.96	+14 49 28.5	20.8 V	691
1996 XL ₁₈	1996 12 17.38137	08 43 53.88	+14 34 40.0	20.9 V	691	1996 XH ₂₃	1996 12 17.35415	08 35 52.38	+14 49 26.6	20.5 V	691
1996 XA ₁₉	1997 01 09.07446	03 18 22.33	+19 52 43.4	18.7 V	691	1996 XH ₂₃	1996 12 17.37580	08 35 51.87	+14 49 25.3	20.6 V	691
1996 XA ₁₉	1997 01 09.09711	03 18 22.58	+19 52 55.3	18.9 V	691	1996 XR ₂₃	1996 12 17.34106	08 48 52.56	+14 53 52.2	20.5 V	691

1996 XR ₂₃	1996 12 17.36315	08 48 52.07	+14 53 52.6	20.4 V	691	1996 XB ₂₇	1996 12 18.10542	03 33 03.95	+09 03 26.2		691
1996 XR ₂₃	1996 12 17.38480	08 48 51.56	+14 53 53.2	20.5 V	691	1996 XB ₂₇	1996 12 18.11110	03 33 03.54	+09 03 27.2	21.9 V	691
1996 XU ₂₃	1996 12 17.16845	03 23 50.84	+18 32 24.9	20.1 V	691	1996 XB ₂₇	1996 12 18.11658	03 33 03.22	+09 03 27.6	22.5 V	691
1996 XU ₂₃	1996 12 17.19244	03 23 50.14	+18 32 14.4	20.0 V	691	1996 XB ₂₇	1996 12 31.21002	03 27 04.29	+09 50 00.1	21.7	691
1996 XV ₂₃	1996 12 17.06849	03 25 58.25	+19 01 51.7	19.5 V	691	1996 XB ₂₇	1996 12 31.23874	03 27 04.09	+09 50 09.6	20.7	691
1996 XV ₂₃	1996 12 17.09071	03 25 57.79	+19 01 45.7	19.5 V	691	1996 XC ₂₇	* 1996 12 04.43938	08 50 32.09	+15 43 53.2	19.7 V	691
1996 XZ ₂₃	1996 12 17.15041	03 31 28.27	+18 31 09.6	20.0 V	691	1996 XC ₂₇	1996 12 04.49093	08 50 31.62	+15 43 50.2	19.8 V	691
1996 XZ ₂₃	1996 12 17.17372	03 31 27.34	+18 31 04.8	20.1 V	691	1996 XC ₂₇	1996 12 04.53724	08 50 31.18	+15 43 47.6	19.7 V	691
1996 XZ ₂₃	1996 12 17.19771	03 31 26.36	+18 30 59.5	20.0 V	691	1996 XC ₂₇	1996 12 15.36055	08 47 35.63	+15 39 56.1	20.0 V	691
1996 XA ₂₄	1996 12 17.15061	03 31 45.12	+18 44 48.4	18.8 V	691	1996 XC ₂₇	1996 12 15.38272	08 47 35.07	+15 39 56.6	19.8 V	691
1996 XA ₂₄	1996 12 17.17391	03 31 44.07	+18 44 46.9	19.0 V	691	1996 XC ₂₇	1996 12 15.40448	08 47 34.49	+15 39 56.1	20.4 V	691
1996 XA ₂₄	1996 12 17.19790	03 31 43.00	+18 44 45.3	19.1 V	691	1996 XD ₂₇	* 1996 12 05.15246	03 35 23.15	+19 28 50.2	20.5 V	691
1996 XB ₂₄	1996 12 17.14049	03 16 48.48	+18 59 00.3	19.4 V	691	1996 XD ₂₇	1996 12 05.17783	03 35 21.61	+19 28 44.0	20.5 V	691
1996 XB ₂₄	1996 12 17.16377	03 16 47.95	+18 59 03.5	19.4 V	691	1996 XD ₂₇	1996 12 05.20123	03 35 20.19	+19 28 38.8	20.6 V	691
1996 XB ₂₄	1996 12 17.18777	03 16 47.42	+18 59 06.6	19.4 V	691	1996 XD ₂₇	1996 12 14.21938	03 27 20.42	+18 54 48.0	21.0 V	691
1996 XB ₂₄	1997 01 08.11677	03 19 22.05	+20 10 05.7	20.3 V	691	1996 XD ₂₇	1996 12 14.24156	03 27 19.37	+18 54 43.3	20.9 V	691
1996 XB ₂₄	1997 01 08.14319	03 19 22.85	+20 10 12.8	19.6 V	691	1996 XD ₂₇	1996 12 14.26544	03 27 18.10	+18 54 39.4	20.1 V	691
1996 XB ₂₄	1997 01 08.16778	03 19 23.52	+20 10 18.0	20.1 V	691	1996 XD ₂₇	1996 12 17.14604	03 25 10.05	+18 45 04.1	20.7 V	691
1996 XD ₂₄	1996 12 17.14644	03 25 44.26	+18 47 44.3	19.7 V	691	1996 XD ₂₇	1996 12 17.16935	03 25 09.02	+18 44 59.7	20.9 V	691
1996 XD ₂₄	1996 12 17.16975	03 25 43.45	+18 47 43.9	19.7 V	691	1996 XD ₂₇	1996 12 17.19334	03 25 07.98	+18 44 55.2	20.7 V	691
1996 XD ₂₄	1996 12 17.19374	03 25 42.61	+18 47 43.4	19.7 V	691	1996 XE ₂₇	* 1996 12 05.15703	03 41 59.66	+19 03 19.0	19.3 V	691
1996 XD ₂₄	1997 01 10.09246	03 22 49.18	+19 07 36.2	20.7 V	691	1996 XE ₂₇	1996 12 05.18241	03 41 58.32	+19 03 14.3	19.7 V	691
1996 XD ₂₄	1997 01 10.11463	03 22 49.53	+19 07 39.0	20.8 V	691	1996 XE ₂₇	1996 12 05.20581	03 41 57.14	+19 03 10.1	19.5 V	691
1996 XD ₂₄	1997 01 10.13682	03 22 49.84	+19 07 41.9	20.6 V	691	1996 XE ₂₇	1996 12 17.15184	03 33 32.36	+18 31 11.2	19.8 V	691
1996 XF ₂₄	1996 12 17.14722	03 26 51.57	+18 52 13.7	19.7 V	691	1996 XE ₂₇	1996 12 17.17515	03 33 31.48	+18 31 08.4	19.6 V	691
1996 XF ₂₄	1996 12 17.17052	03 26 50.49	+18 52 14.4	19.6 V	691	1996 XE ₂₇	1996 12 17.19914	03 33 30.61	+18 31 04.6	19.9 V	691
1996 XF ₂₄	1996 12 17.19451	03 26 49.35	+18 52 14.7	19.9 V	691	1996 XF ₂₇	* 1996 12 05.22396	03 34 16.69	+18 54 35.8	21.4 V	691
1996 XG ₂₄	1996 12 17.15023	03 31 12.83	+18 30 01.5	20.2 V	691	1996 XF ₂₇	1996 12 05.24623	03 34 15.34	+18 54 33.5	21.6 V	691
1996 XG ₂₄	1996 12 17.17354	03 31 12.08	+18 29 58.8	20.4 V	691	1996 XF ₂₇	1996 12 05.26854	03 34 14.00	+18 54 30.8	21.2 V	691
1996 XG ₂₄	1996 12 17.19754	03 31 11.31	+18 29 56.0	20.3 V	691	1996 XF ₂₇	1996 12 17.14532	03 24 07.05	+18 36 17.0	21.0 V	691
1996 XB ₂₅	1996 12 03.48966	08 27 00.93	+22 23 51.6	18.7 V	691	1996 XF ₂₇	1996 12 17.16862	03 24 06.00	+18 36 15.5	20.9 V	691
1996 XB ₂₅	1996 12 03.50939	08 27 00.83	+22 23 55.6	18.7 V	691	1996 XF ₂₇	1996 12 17.19261	03 24 04.93	+18 36 13.7	21.0 V	691
1996 XB ₂₅	1996 12 03.52844	08 27 00.78	+22 23 59.9	18.7 V	691	1996 XG ₂₇	* 1996 12 07.20397	03 31 48.15	+20 38 00.0	20.9 V	691
1996 XF ₂₆	* 1996 12 12.22326	03 47 00.94	+09 07 41.6	20.1 V	691	1996 XG ₂₇	1996 12 07.21188	03 31 47.81	+20 37 57.9	21.0 V	691
1996 XF ₂₆	1996 12 12.24502	03 47 00.58	+09 07 37.3	20.4 V	691	1996 XG ₂₇	1996 12 07.22011	03 31 47.46	+20 37 55.2	21.2 V	691
1996 XF ₂₆	1996 12 12.26699	03 47 00.22	+09 07 32.4	20.2 V	691	1996 XG ₂₇	1996 12 15.28843	03 26 49.23	+19 59 55.3	21.2 V	691
1996 XF ₂₆	1996 12 17.25197	03 46 24.23	+08 54 16.3	21.0 V	691	1996 XG ₂₇	1996 12 15.31059	03 26 48.45	+19 59 49.3	21.8 V	691
1996 XF ₂₆	1996 12 17.25776	03 46 24.20	+08 54 16.3	20.7 V	691	1996 XG ₂₇	1996 12 15.33323	03 26 47.74	+19 59 43.4	21.6 V	691
1996 XF ₂₆	1996 12 17.26934	03 46 24.15	+08 54 15.8	20.6 V	691	1996 XH ₂₇	* 1996 12 07.39051	08 41 29.47	+14 46 53.9	20.2 V	691
1996 XF ₂₆	1996 12 17.28015	03 46 24.13	+08 54 13.9	21.3 V	691	1996 XH ₂₇	1996 12 07.41552	08 41 29.18	+14 46 46.4	20.0 V	691
1996 XF ₂₆	1996 12 17.28574	03 46 24.04	+08 54 13.4	20.6 V	691	1996 XH ₂₇	1996 12 07.44071	08 41 28.93	+14 46 39.1	20.1 V	691
1996 XF ₂₆	1996 12 17.29636	03 46 24.02	+08 54 12.2	20.4 V	691	1996 XH ₂₇	1996 12 15.42194	08 39 18.98	+14 09 37.6	19.8 V	691
1996 XB ₂₇	* 1996 12 12.21839	03 39 59.05	+09 05 57.9	20.5 V	691	1996 XH ₂₇	1996 12 15.44361	08 39 18.43	+14 09 32.4	19.6 V	691
1996 XB ₂₇	1996 12 12.24013	03 39 56.99	+09 05 55.9	20.8 V	691	1996 XH ₂₇	1996 12 15.46520	08 39 17.88	+14 09 26.4	19.6 V	691
1996 XB ₂₇	1996 12 12.26208	03 39 54.89	+09 05 53.4	20.7 V	691	1996 XJ ₂₇	* 1996 12 07.46521	08 39 40.52	+14 03 28.9	18.6 V	691
1996 XB ₂₇	1996 12 14.19472	03 37 22.30	+09 03 18.0	21.2 V	691	1996 XJ ₂₇	1996 12 07.49399	08 39 40.34	+14 03 32.5	18.7 V	691
1996 XB ₂₇	1996 12 14.20282	03 37 21.58	+09 03 17.4	20.8 V	691	1996 XJ ₂₇	1996 12 07.52308	08 39 40.16	+14 03 36.3	18.8 V	691
1996 XB ₂₇	1996 12 15.26745	03 36 03.53	+09 02 36.9	20.7 V	691	1996 XJ ₂₇	1996 12 15.42119	08 38 14.23	+14 25 13.8	18.5 V	691
1996 XB ₂₇	1996 12 15.27482	03 36 02.95	+09 02 37.0	21.4 V	691	1996 XJ ₂₇	1996 12 15.44286	08 38 13.83	+14 25 17.8	18.5 V	691
1996 XB ₂₇	1996 12 18.08698	03 33 05.10	+09 03 22.6	22.3 V	691	1996 XJ ₂₇	1996 12 15.46446	08 38 13.41	+14 25 22.1	18.6 V	691
1996 XB ₂₇	1996 12 18.09251	03 33 04.85	+09 03 25.0	21.0 V	691	1996 XJ ₂₇	1996 12 17.33328	08 37 38.54	+14 31 51.0	18.7 V	691
1996 XB ₂₇	1996 12 18.09807	03 33 04.57	+09 03 23.9	21.5 V	691	1996 XJ ₂₇	1996 12 17.35537	08 37 38.05	+14 31 56.0	18.6 V	691

1996 XJ ₂₇	1996 12 17.37702	08 37 37.57	+14 32 00.6	18.6 V	691	1996 XS ₂₇	1996 12 15.09947	02 58 13.68	+24 19 26.7	19.6 V	691
1996 XK ₂₇	* 1996 12 07.47182	08 49 13.59	+14 29 32.6	20.8 V	691	1996 XS ₂₇	1996 12 15.12313	02 58 12.76	+24 19 25.3	19.4 V	691
1996 XK ₂₇	1996 12 07.50061	08 49 13.15	+14 29 27.1	21.2 V	691	1996 XS ₂₇	1996 12 15.14728	02 58 11.81	+24 19 23.1	19.5 V	691
1996 XK ₂₇	1996 12 07.52969	08 49 12.69	+14 29 21.9	20.7 V	691	1996 XT ₂₇	* 1996 12 11.48682	08 40 26.42	+15 59 23.6	18.9 V	691
1996 XK ₂₇	1996 12 15.42682	08 46 21.69	+14 09 29.0	21.4 V	691	1996 XT ₂₇	1996 12 11.50945	08 40 26.10	+15 59 16.3	18.9 V	691
1996 XK ₂₇	1996 12 15.44849	08 46 21.03	+14 09 26.8	21.7 V	691	1996 XT ₂₇	1996 12 11.53179	08 40 25.76	+15 59 09.6	18.8 V	691
1996 XK ₂₇	1996 12 15.47008	08 46 20.38	+14 09 24.3	20.6 V	691	1996 XT ₂₇	1996 12 15.35485	08 39 22.09	+15 39 58.1	19.0 V	691
1996 XL ₂₇	* 1996 12 08.21068	03 47 41.54	+15 31 51.8	19.0 V	691	1996 XT ₂₇	1996 12 15.37702	08 39 21.57	+15 39 52.2	18.9 V	691
1996 XL ₂₇	1996 12 08.23224	03 47 40.59	+15 31 47.8	19.0 V	691	1996 XT ₂₇	1996 12 15.39878	08 39 21.06	+15 39 45.6	18.9 V	691
1996 XL ₂₇	1996 12 08.25587	03 47 39.55	+15 31 43.1	19.3 V	691	1996 XU ₂₇	* 1996 12 11.48850	08 42 52.18	+15 55 28.3	18.6 V	691
1996 XL ₂₇	1996 12 18.19624	03 41 32.16	+15 07 11.3	19.3 V	691	1996 XU ₂₇	1996 12 11.51113	08 42 51.87	+15 55 28.7	18.6 V	691
1996 XL ₂₇	1996 12 18.22109	03 41 31.39	+15 07 08.9	19.3 V	691	1996 XU ₂₇	1996 12 11.53347	08 42 51.55	+15 55 29.6	18.5 V	691
1996 XL ₂₇	1996 12 18.24494	03 41 30.62	+15 07 05.7	19.3 V	691	1996 XU ₂₇	1996 12 15.35657	08 41 51.07	+15 58 09.1	18.4 V	691
1996 XM ₂₇	* 1996 12 08.27529	03 43 35.99	+14 59 33.4	19.1 V	691	1996 XU ₂₇	1996 12 15.37874	08 41 50.63	+15 58 10.4	18.4 V	691
1996 XM ₂₇	1996 12 08.29676	03 43 34.94	+14 59 35.6	19.2 V	691	1996 XU ₂₇	1996 12 15.40050	08 41 50.18	+15 58 11.6	18.3 V	691
1996 XM ₂₇	1996 12 08.31844	03 43 33.89	+14 59 37.6	19.4 V	691	1996 XV ₂₇	* 1996 12 11.49009	08 45 10.08	+15 50 52.0	20.5 V	691
1996 XM ₂₇	1996 12 18.19289	03 36 41.68	+15 18 02.3	19.2 V	691	1996 XV ₂₇	1996 12 11.51272	08 45 09.77	+15 50 51.7	20.2 V	691
1996 XM ₂₇	1996 12 18.21774	03 36 40.73	+15 18 05.7	19.3 V	691	1996 XV ₂₇	1996 12 11.53507	08 45 09.42	+15 50 52.1	20.0 V	691
1996 XM ₂₇	1996 12 18.24159	03 36 39.79	+15 18 09.4	19.1 V	691	1996 XV ₂₇	1996 12 15.35811	08 44 04.19	+15 52 11.9	20.6 V	691
1996 XN ₂₇	* 1996 12 09.08475	02 39 38.59	+24 46 54.3	19.7 V	691	1996 XV ₂₇	1996 12 15.38028	08 44 03.73	+15 52 12.7	20.5 V	691
1996 XN ₂₇	1996 12 09.10754	02 39 37.77	+24 46 48.7	19.8 V	691	1996 XV ₂₇	1996 12 15.40204	08 44 03.22	+15 52 13.3	20.7 V	691
1996 XN ₂₇	1996 12 09.13038	02 39 36.96	+24 46 43.3	19.7 V	691	1996 XW ₂₇	* 1996 12 11.49459	08 51 40.19	+15 52 00.9	20.5 V	691
1996 XN ₂₇	1996 12 15.08453	02 36 39.71	+24 24 32.1	19.5 V	691	1996 XW ₂₇	1996 12 11.51723	08 51 39.86	+15 52 02.0	20.1 V	691
1996 XN ₂₇	1996 12 15.10820	02 36 39.06	+24 24 26.6	19.6 V	691	1996 XW ₂₇	1996 12 11.53957	08 51 39.48	+15 52 03.4	20.1 V	691
1996 XN ₂₇	1996 12 15.13235	02 36 38.43	+24 24 21.8	19.5 V	691	1996 XW ₂₇	1996 12 15.36263	08 50 36.12	+15 56 39.9	20.6 V	691
1996 XO ₂₇	* 1996 12 09.08522	02 40 19.21	+24 36 24.9	19.2 V	691	1996 XW ₂₇	1996 12 15.38480	08 50 35.62	+15 56 41.4	21.0 V	691
1996 XO ₂₇	1996 12 09.10801	02 40 18.37	+24 36 18.6	19.3 V	691	1996 XW ₂₇	1996 12 15.40656	08 50 35.18	+15 56 43.5	20.6 V	691
1996 XO ₂₇	1996 12 09.13085	02 40 17.54	+24 36 12.8	19.2 V	691	1996 XX ₂₇	* 1996 12 11.50245	09 03 01.03	+15 54 30.5	18.8 V	691
1996 XO ₂₇	1996 12 15.08512	02 37 30.67	+24 12 09.2	19.5 V	691	1996 XX ₂₇	1996 12 11.52509	09 03 00.80	+15 54 26.4	18.6 V	691
1996 XO ₂₇	1996 12 15.10879	02 37 30.14	+24 12 03.3	19.3 V	691	1996 XX ₂₇	1996 12 11.54743	09 03 00.55	+15 54 22.0	18.7 V	691
1996 XO ₂₇	1996 12 15.13294	02 37 29.55	+24 11 58.1	19.5 V	691	1996 XX ₂₇	1996 12 15.37068	09 02 13.58	+15 43 05.1	18.9 V	691
1996 XP ₂₇	* 1996 12 09.09888	03 00 02.81	+24 39 06.0	19.8 V	691	1996 XX ₂₇	1996 12 15.39285	09 02 13.19	+15 43 01.3	18.9 V	691
1996 XP ₂₇	1996 12 09.12168	03 00 01.89	+24 38 58.8	19.9 V	691	1996 XX ₂₇	1996 12 15.41461	09 02 12.81	+15 42 57.9	19.0 V	691
1996 XP ₂₇	1996 12 09.14451	03 00 00.93	+24 38 51.2	20.0 V	691	1996 XY ₂₇	* 1996 12 12.06492	03 20 20.30	+20 25 24.4	20.3 V	691
1996 XP ₂₇	1996 12 15.09853	02 56 52.56	+24 06 11.8	20.2 V	691	1996 XY ₂₇	1996 12 12.10458	03 20 18.57	+20 25 17.6	20.5 V	691
1996 XP ₂₇	1996 12 15.12220	02 56 51.88	+24 06 04.1	20.1 V	691	1996 XY ₂₇	1996 12 12.12723	03 20 17.57	+20 25 12.9	20.3 V	691
1996 XP ₂₇	1996 12 15.14635	02 56 51.21	+24 05 56.9	20.3 V	691	1996 XY ₂₇	1996 12 15.17747	03 18 16.99	+20 15 09.5	20.8 V	691
1996 XQ ₂₇	* 1996 12 09.10004	03 01 42.70	+24 58 15.8	19.4 V	691	1996 XY ₂₇	1996 12 15.20074	03 18 16.08	+20 15 05.2	20.6 V	691
1996 XQ ₂₇	1996 12 09.12283	03 01 41.82	+24 58 08.0	19.5 V	691	1996 XY ₂₇	1996 12 15.22331	03 18 15.14	+20 15 00.9	20.1 V	691
1996 XQ ₂₇	1996 12 09.14567	03 01 40.88	+24 58 00.0	19.3 V	691	1996 XZ ₂₇	* 1996 12 12.06676	03 22 59.53	+20 32 53.7	19.4 V	691
1996 XQ ₂₇	1996 12 15.09967	02 58 31.17	+24 23 02.7	19.7 V	691	1996 XZ ₂₇	1996 12 12.10642	03 22 58.11	+20 32 41.4	19.1 V	691
1996 XQ ₂₇	1996 12 15.12334	02 58 30.56	+24 22 55.2	19.7 V	691	1996 XZ ₂₇	1996 12 12.12907	03 22 57.28	+20 32 33.9	19.2 V	691
1996 XQ ₂₇	1996 12 15.14749	02 58 29.84	+24 22 47.1	19.9 V	691	1996 XZ ₂₇	1996 12 15.17958	03 21 19.20	+20 16 00.1	19.4 V	691
1996 XR ₂₇	* 1996 12 09.10055	03 02 27.15	+24 43 44.8	20.7 V	691	1996 XZ ₂₇	1996 12 15.20284	03 21 18.45	+20 15 53.5	19.3 V	691
1996 XR ₂₇	1996 12 09.12334	03 02 26.38	+24 43 36.6	20.6 V	691	1996 XZ ₂₇	1996 12 15.22542	03 21 17.75	+20 15 46.0	19.4 V	691
1996 XR ₂₇	1996 12 09.14618	03 02 25.57	+24 43 28.4	20.7 V	691	1996 XA ₂₈	* 1996 12 12.06744	03 23 58.30	+20 19 52.9	19.7 V	691
1996 XR ₂₇	1996 12 15.10043	02 59 36.30	+24 07 55.6	21.3 V	691	1996 XA ₂₈	1996 12 12.10710	03 23 56.45	+20 19 56.9	19.4 V	691
1996 XR ₂₇	1996 12 15.12409	02 59 35.74	+24 07 47.1	21.0 V	691	1996 XA ₂₈	1996 12 12.12974	03 23 55.31	+20 19 59.8	19.4 V	691
1996 XR ₂₇	1996 12 15.14824	02 59 35.07	+24 07 39.0	21.0 V	691	1996 XA ₂₈	1996 12 15.17983	03 21 41.23	+20 25 05.3	19.8 V	691
1996 XS ₂₇	* 1996 12 09.21612	03 02 21.85	+24 28 25.6	19.8 V	691	1996 XA ₂₈	1996 12 15.20310	03 21 40.22	+20 25 08.0	19.7 V	691
1996 XS ₂₇	1996 12 09.23918	03 02 20.74	+24 28 23.3	20.0 V	691	1996 XA ₂₈	1996 12 15.22566	03 21 39.22	+20 25 10.1	19.6 V	691
1996 XS ₂₇	1996 12 09.26213	03 02 19.65	+24 28 21.4	19.9 V	691	1996 XB ₂₈	* 1996 12 12.07004	03 27 43.69	+20 25 27.4	20.2 V	691

1996 XB ₂₈	1996 12 12.10970	03 27 42.09	+20 25 20.6	20.0 V	691	1996 XK ₂₈	1996 12 15.23849	03 40 10.51	+20 24 46.4	20.7 V	691
1996 XB ₂₈	1996 12 12.13235	03 27 41.19	+20 25 16.8	19.7 V	691	1996 XL ₂₈	* 1996 12 12.08048	03 42 47.82	+20 23 22.4	20.8 V	691
1996 XB ₂₈	1996 12 15.18270	03 25 49.90	+20 16 36.3	19.8 V	691	1996 XL ₂₈	1996 12 12.12013	03 42 45.87	+20 23 16.4	20.5 V	691
1996 XB ₂₈	1996 12 15.20597	03 25 49.06	+20 16 32.4	20.2 V	691	1996 XL ₂₈	1996 12 12.14278	03 42 44.75	+20 23 13.8	20.5 V	691
1996 XB ₂₈	1996 12 15.22854	03 25 48.24	+20 16 28.8	19.8 V	691	1996 XL ₂₈	1996 12 15.19282	03 40 26.49	+20 15 51.6	21.1 V	691
1996 XC ₂₈	* 1996 12 12.07059	03 28 31.25	+20 16 41.5	20.5 V	691	1996 XL ₂₈	1996 12 15.21609	03 40 25.46	+20 15 48.0	21.0 V	691
1996 XC ₂₈	1996 12 12.11024	03 28 29.06	+20 16 43.3	20.9 V	691	1996 XL ₂₈	1996 12 15.23865	03 40 24.42	+20 15 44.7	21.1 V	691
1996 XC ₂₈	1996 12 12.13289	03 28 27.81	+20 16 43.9	20.7 V	691	1996 XM ₂₈	* 1996 12 12.08132	03 44 00.65	+20 13 50.6	19.5 V	691
1996 XC ₂₈	1996 12 15.18269	03 25 48.74	+20 18 58.2	20.4 V	691	1996 XM ₂₈	1996 12 12.12097	03 43 58.69	+20 13 57.0	19.4 V	691
1996 XC ₂₈	1996 12 15.20595	03 25 47.56	+20 18 59.3	20.7 V	691	1996 XM ₂₈	1996 12 12.14362	03 43 57.55	+20 14 00.6	19.5 V	691
1996 XC ₂₈	1996 12 15.22852	03 25 46.38	+20 19 00.3	20.7 V	691	1996 XM ₂₈	1996 12 15.19361	03 41 34.46	+20 22 16.3	19.6 V	691
1996 XD ₂₈	* 1996 12 12.07066	03 28 37.33	+20 18 30.5	19.4 V	691	1996 XM ₂₈	1996 12 15.21687	03 41 33.38	+20 22 20.3	19.3 V	691
1996 XD ₂₈	1996 12 12.11032	03 28 35.85	+20 18 22.5	19.2 V	691	1996 XM ₂₈	1996 12 15.23944	03 41 32.34	+20 22 23.5	19.5 V	691
1996 XD ₂₈	1996 12 12.13297	03 28 34.99	+20 18 18.1	19.3 V	691	1996 XN ₂₈	* 1996 12 12.08141	03 44 09.04	+20 32 29.1	19.4 V	691
1996 XD ₂₈	1996 12 15.18338	03 26 48.68	+20 08 28.5	19.3 V	691	1996 XN ₂₈	1996 12 12.12107	03 44 07.41	+20 32 24.1	19.0 V	691
1996 XD ₂₈	1996 12 15.20665	03 26 47.88	+20 08 24.0	19.2 V	691	1996 XN ₂₈	1996 12 12.14372	03 44 06.46	+20 32 20.9	19.1 V	691
1996 XD ₂₈	1996 12 15.22922	03 26 47.12	+20 08 19.9	19.2 V	691	1996 XN ₂₈	1996 12 15.19400	03 42 08.48	+20 25 48.6	19.1 V	691
1996 XE ₂₈	* 1996 12 12.07329	03 32 25.31	+20 25 14.0	20.2 V	691	1996 XN ₂₈	1996 12 15.21726	03 42 07.58	+20 25 46.1	19.4 V	691
1996 XE ₂₈	1996 12 12.11295	03 32 23.58	+20 25 11.3	20.1 V	691	1996 XN ₂₈	1996 12 15.23983	03 42 06.72	+20 25 42.8	19.7 V	691
1996 XE ₂₈	1996 12 12.13560	03 32 22.61	+20 25 09.8	20.0 V	691	1996 XN ₂₈	1997 01 16.17072	03 35 52.59	+20 00 12.8	19.9 V	691
1996 XE ₂₈	1996 12 15.18583	03 30 20.84	+20 21 49.5	20.7 V	691	1996 XN ₂₈	1997 01 16.19810	03 35 52.96	+20 00 13.7	20.0 V	691
1996 XE ₂₈	1996 12 15.20910	03 30 19.92	+20 21 48.2	20.2 V	691	1996 XN ₂₈	1997 01 16.22630	03 35 53.33	+20 00 14.7	20.2 V	691
1996 XE ₂₈	1996 12 15.23167	03 30 19.08	+20 21 47.1	20.7 V	691	1996 XO ₂₈	* 1996 12 12.14910	03 18 25.69	+19 56 13.1	19.0 V	691
1996 XF ₂₈	* 1996 12 12.07781	03 38 56.50	+20 15 23.8	19.6 V	691	1996 XO ₂₈	1996 12 12.17125	03 18 24.76	+19 56 08.7	18.9 V	691
1996 XF ₂₈	1996 12 12.11746	03 38 54.67	+20 15 11.1	19.5 V	691	1996 XO ₂₈	1996 12 12.19375	03 18 23.78	+19 56 04.3	18.9 V	691
1996 XF ₂₈	1996 12 12.14011	03 38 53.61	+20 15 04.2	19.6 V	691	1996 XO ₂₈	1996 12 15.28157	03 16 26.79	+19 46 10.6	19.0 V	691
1996 XF ₂₈	1996 12 15.29525	03 36 40.44	+19 58 36.4	20.1 V	691	1996 XO ₂₈	1996 12 15.30377	03 16 25.95	+19 46 05.6	19.0 V	691
1996 XF ₂₈	1996 12 15.31741	03 36 39.51	+19 58 29.6	19.9 V	691	1996 XO ₂₈	1996 12 15.32641	03 16 25.09	+19 46 01.9	19.1 V	691
1996 XF ₂₈	1996 12 15.34005	03 36 38.57	+19 58 22.7	19.7 V	691	1996 XP ₂₈	* 1996 12 12.14924	03 18 37.88	+19 51 49.9	19.5 V	691
1996 XG ₂₈	* 1996 12 12.07783	03 38 58.73	+20 31 07.4	19.0 V	691	1996 XP ₂₈	1996 12 12.17139	03 18 37.13	+19 51 44.6	19.6 V	691
1996 XG ₂₈	1996 12 12.11749	03 38 57.06	+20 30 40.5	18.8 V	691	1996 XP ₂₈	1996 12 12.19390	03 18 36.33	+19 51 39.4	19.5 V	691
1996 XG ₂₈	1996 12 12.14014	03 38 56.10	+20 30 25.2	18.7 V	691	1996 XP ₂₈	1996 12 15.28176	03 17 00.46	+19 40 02.9	20.2 V	691
1996 XG ₂₈	1996 12 15.29546	03 36 58.69	+19 55 04.5	19.2 V	691	1996 XP ₂₈	1996 12 15.30397	03 16 59.76	+19 39 57.6	20.1 V	691
1996 XG ₂₈	1996 12 15.31763	03 36 57.85	+19 54 49.7	19.1 V	691	1996 XP ₂₈	1996 12 15.32660	03 16 59.06	+19 39 52.4	20.1 V	691
1996 XG ₂₈	1996 12 15.34026	03 36 57.04	+19 54 34.7	19.1 V	691	1996 XQ ₂₈	* 1996 12 12.15162	03 22 04.46	+19 56 28.5	20.0 V	691
1996 XH ₂₈	* 1996 12 12.07899	03 40 39.10	+20 21 57.0	20.3 V	691	1996 XQ ₂₈	1996 12 12.17378	03 22 03.53	+19 56 23.6	20.1 V	691
1996 XH ₂₈	1996 12 12.11865	03 40 37.22	+20 21 59.0	20.2 V	691	1996 XQ ₂₈	1996 12 12.19628	03 22 02.55	+19 56 18.9	20.3 V	691
1996 XH ₂₈	1996 12 12.14130	03 40 36.15	+20 22 00.2	20.3 V	691	1996 XQ ₂₈	1996 12 15.28377	03 20 06.13	+19 45 54.7	20.5 V	691
1996 XH ₂₈	1996 12 15.19136	03 38 20.22	+20 24 29.2	20.5 V	691	1996 XQ ₂₈	1996 12 15.30594	03 20 05.30	+19 45 50.3	20.3 V	691
1996 XH ₂₈	1996 12 15.21463	03 38 19.18	+20 24 30.3	20.5 V	691	1996 XQ ₂₈	1996 12 15.32857	03 20 04.51	+19 45 45.5	20.7 V	691
1996 XH ₂₈	1996 12 15.23720	03 38 18.18	+20 24 31.3	20.6 V	691	1996 XR ₂₈	* 1996 12 12.15362	03 24 57.81	+19 56 08.7	20.1 V	691
1996 XJ ₂₈	* 1996 12 12.07973	03 41 43.52	+20 18 44.5	20.5 V	691	1996 XR ₂₈	1996 12 12.17578	03 24 56.94	+19 56 06.4	20.2 V	691
1996 XJ ₂₈	1996 12 12.11939	03 41 41.85	+20 18 30.2	20.1 V	691	1996 XR ₂₈	1996 12 12.19828	03 24 56.03	+19 56 04.0	20.1 V	691
1996 XJ ₂₈	1996 12 12.14204	03 41 40.88	+20 18 21.3	20.3 V	691	1996 XR ₂₈	1996 12 15.28589	03 23 09.36	+19 50 31.1	20.3 V	691
1996 XJ ₂₈	1996 12 15.29729	03 39 36.80	+19 59 03.6	20.5 V	691	1996 XR ₂₈	1996 12 15.30805	03 23 08.59	+19 50 28.8	20.7 V	691
1996 XJ ₂₈	1996 12 15.31945	03 39 35.94	+19 58 54.3	20.8 V	691	1996 XR ₂₈	1996 12 15.33069	03 23 07.83	+19 50 26.6	20.5 V	691
1996 XJ ₂₈	1996 12 15.34208	03 39 35.10	+19 58 46.6	20.9 V	691	1996 XS ₂₈	* 1996 12 12.15403	03 25 32.89	+19 43 46.4	19.1 V	691
1996 XK ₂₈	* 1996 12 12.08016	03 42 20.51	+20 32 54.6	20.6 V	691	1996 XS ₂₈	1996 12 12.17618	03 25 31.78	+19 43 39.8	19.2 V	691
1996 XK ₂₈	1996 12 12.11982	03 42 18.75	+20 32 48.2	20.2 V	691	1996 XS ₂₈	1996 12 12.19868	03 25 30.68	+19 43 32.9	19.2 V	691
1996 XK ₂₈	1996 12 12.14247	03 42 17.73	+20 32 44.4	20.3 V	691	1996 XS ₂₈	1996 12 17.06575	03 22 00.84	+19 19 23.0	19.6 V	691
1996 XK ₂₈	1996 12 15.19266	03 40 12.36	+20 24 53.6	20.3 V	691	1996 XS ₂₈	1996 12 17.08796	03 21 59.96	+19 19 17.0	19.6 V	691
1996 XK ₂₈	1996 12 15.21592	03 40 11.45	+20 24 50.0	20.6 V	691	1996 XS ₂₈	1996 12 17.11927	03 21 58.71	+19 19 08.5	19.3 V	691

1996 XT ₂₈	* 1996 12 12.15585	03 28 10.37	+20 02 12.3	20.4 V	691	1996 XA ₂₉	1996 12 15.34184	03 39 14.29	+19 48 48.7	18.7 V	691
1996 XT ₂₈	1996 12 12.17800	03 28 09.38	+20 02 12.0	20.6 V	691	1996 XB ₂₉	* 1996 12 12.16618	03 43 05.64	+19 52 57.2	20.1 V	691
1996 XT ₂₈	1996 12 12.20050	03 28 08.41	+20 02 11.1	20.6 V	691	1996 XB ₂₉	1996 12 12.18833	03 43 04.65	+19 52 55.3	19.9 V	691
1996 XT ₂₈	1996 12 15.28795	03 26 07.97	+20 00 53.3	21.2 V	691	1996 XB ₂₉	1996 12 12.21084	03 43 03.66	+19 52 53.2	20.2 V	691
1996 XT ₂₈	1996 12 15.31011	03 26 07.13	+20 00 52.9	21.1 V	691	1996 XB ₂₉	1996 12 15.29822	03 40 58.06	+19 48 25.9	20.5 V	691
1996 XT ₂₈	1996 12 15.33275	03 26 06.26	+20 00 52.7	21.1 V	691	1996 XB ₂₉	1996 12 15.32039	03 40 57.11	+19 48 23.4	20.4 V	691
1996 XU ₂₈	* 1996 12 12.15696	03 29 46.78	+19 37 48.9	19.8 V	691	1996 XB ₂₉	1996 12 15.34302	03 40 56.22	+19 48 21.6	20.4 V	691
1996 XU ₂₈	1996 12 12.17911	03 29 45.90	+19 37 48.0	19.8 V	691	1996 XC ₂₉	* 1996 12 12.16626	03 43 12.92	+19 59 17.4	19.3 V	691
1996 XU ₂₈	1996 12 12.20162	03 29 44.98	+19 37 47.3	20.2 V	691	1996 XC ₂₉	1996 12 12.18842	03 43 11.79	+19 59 16.1	19.5 V	691
1996 XU ₂₈	1996 12 15.28916	03 27 52.94	+19 36 08.8	20.5 V	691	1996 XC ₂₉	1996 12 12.21092	03 43 10.61	+19 59 15.0	19.6 V	691
1996 XU ₂₈	1996 12 15.31133	03 27 52.12	+19 36 08.3	21.3 V	691	1996 XC ₂₉	1996 12 15.29804	03 40 41.81	+19 56 33.9	19.7 V	691
1996 XU ₂₈	1996 12 15.33396	03 27 51.30	+19 36 07.1	20.6 V	691	1996 XC ₂₉	1996 12 15.32020	03 40 40.75	+19 56 32.7	19.8 V	691
1996 XV ₂₈	* 1996 12 12.15826	03 31 39.25	+19 44 30.9	18.4 V	691	1996 XC ₂₉	1996 12 15.34283	03 40 39.68	+19 56 31.8	19.8 V	691
1996 XV ₂₈	1996 12 12.18041	03 31 38.40	+19 44 26.8	18.5 V	691	1996 XD ₂₉	* 1996 12 12.16654	03 43 37.05	+19 53 56.2	19.3 V	691
1996 XV ₂₈	1996 12 12.20292	03 31 37.56	+19 44 22.5	18.5 V	691	1996 XD ₂₉	1996 12 12.18870	03 43 36.24	+19 53 46.2	19.6 V	691
1996 XV ₂₈	1996 12 15.29061	03 29 58.65	+19 35 03.1	18.6 V	691	1996 XD ₂₉	1996 12 12.21120	03 43 35.41	+19 53 36.4	19.6 V	691
1996 XV ₂₈	1996 12 15.31278	03 29 57.96	+19 34 59.7	18.7 V	691	1996 XD ₂₉	1996 12 16.08250	03 41 38.81	+19 25 50.6	20.0 V	691
1996 XV ₂₈	1996 12 15.33541	03 29 57.25	+19 34 55.3	18.8 V	691	1996 XD ₂₉	1996 12 16.10466	03 41 38.22	+19 25 42.4	19.5 V	691
1996 XV ₂₈	1996 12 17.07072	03 29 11.64	+19 30 13.0	18.8 V	691	1996 XD ₂₉	1996 12 16.12723	03 41 37.57	+19 25 33.1	19.4 V	691
1996 XV ₂₈	1996 12 17.09294	03 29 11.06	+19 30 09.6	18.7 V	691	1996 XE ₂₉	* 1996 12 12.41698	08 38 23.73	+15 10 33.3	19.8 V	691
1996 XV ₂₈	1997 01 10.09720	03 29 39.53	+19 08 12.5	19.7 V	691	1996 XE ₂₉	1996 12 12.44028	08 38 23.28	+15 10 28.9	19.7 V	691
1996 XV ₂₈	1997 01 10.11936	03 29 40.05	+19 08 13.7	19.5 V	691	1996 XE ₂₉	1996 12 12.46819	08 38 22.75	+15 10 23.6	19.7 V	691
1996 XV ₂₈	1997 01 10.14156	03 29 40.58	+19 08 14.4	19.5 V	691	1996 XE ₂₉	1996 12 17.33258	08 36 37.97	+14 55 33.5	20.2 V	691
1996 XW ₂₈	* 1996 12 12.16073	03 35 13.86	+19 58 34.7	20.0 V	691	1996 XE ₂₉	1996 12 17.35466	08 36 37.32	+14 55 30.0	20.1 V	691
1996 XW ₂₈	1996 12 12.18289	03 35 12.81	+19 58 31.0	20.2 V	691	1996 XE ₂₉	1996 12 17.37632	08 36 36.73	+14 55 26.5	19.7 V	691
1996 XW ₂₈	1996 12 12.20539	03 35 11.69	+19 58 27.1	20.4 V	691	1996 XF ₂₉	* 1996 12 12.49467	08 41 25.65	+14 42 47.9	21.0 V	691
1996 XW ₂₈	1996 12 15.29264	03 32 54.53	+19 49 48.5	20.1 V	691	1996 XF ₂₉	1996 12 12.51598	08 41 25.25	+14 42 48.9	20.7 V	691
1996 XW ₂₈	1996 12 15.31481	03 32 53.59	+19 49 44.7	20.9 V	691	1996 XF ₂₉	1996 12 12.53763	08 41 24.86	+14 42 49.9	21.0 V	691
1996 XW ₂₈	1996 12 15.33744	03 32 52.62	+19 49 41.0	20.9 V	691	1996 XF ₂₉	1996 12 17.33471	08 39 41.74	+14 49 16.4	21.3 V	691
1996 XX ₂₈	* 1996 12 12.16292	03 38 23.11	+19 44 40.5	19.4 V	691	1996 XF ₂₉	1996 12 17.35679	08 39 41.18	+14 49 18.8	21.3 V	691
1996 XX ₂₈	1996 12 12.18507	03 38 21.92	+19 44 38.1	19.4 V	691	1996 XF ₂₉	1996 12 17.37844	08 39 40.53	+14 49 21.1	21.1 V	691
1996 XX ₂₈	1996 12 12.20757	03 38 20.68	+19 44 36.1	19.5 V	691	1996 XG ₂₉	* 1996 12 12.49616	08 43 34.88	+14 35 30.1	21.0 V	691
1996 XX ₂₈	1996 12 15.29461	03 35 45.11	+19 39 46.9	19.9 V	691	1996 XG ₂₉	1996 12 12.51747	08 43 34.50	+14 35 29.6	21.4 V	691
1996 XX ₂₈	1996 12 15.31677	03 35 43.97	+19 39 45.1	19.9 V	691	1996 XG ₂₉	1996 12 12.53912	08 43 34.05	+14 35 28.8	21.0 V	691
1996 XX ₂₈	1996 12 15.33940	03 35 42.90	+19 39 42.7	19.6 V	691	1996 XG ₂₉	1996 12 17.33614	08 41 45.64	+14 33 39.9	21.4 V	691
1996 XY ₂₈	* 1996 12 12.16391	03 39 48.99	+19 32 59.2	18.0 V	691	1996 XG ₂₉	1996 12 17.35822	08 41 45.04	+14 33 40.1	21.0 V	691
1996 XY ₂₈	1996 12 12.18606	03 39 47.81	+19 32 56.3	18.0 V	691	1996 XG ₂₉	1996 12 17.37987	08 41 44.42	+14 33 39.8	21.2 V	691
1996 XY ₂₈	1996 12 12.20856	03 39 46.58	+19 32 53.5	18.1 V	691	1996 XH ₂₉	* 1996 12 13.22848	03 22 09.04	+19 06 23.7	20.1 V	691
1996 XY ₂₈	1996 12 17.07536	03 35 53.28	+19 23 38.6	18.3 V	691	1996 XH ₂₉	1996 12 13.25811	03 22 07.86	+19 06 19.9	20.0 V	691
1996 XY ₂₈	1996 12 17.09757	03 35 52.26	+19 23 36.6	18.2 V	691	1996 XH ₂₉	1996 12 13.28060	03 22 06.99	+19 06 16.9	19.9 V	691
1996 XY ₂₈	1996 12 17.12888	03 35 50.80	+19 23 33.3	18.2 V	691	1996 XH ₂₉	1996 12 17.14240	03 19 54.37	+18 58 39.4	20.2 V	691
1996 XZ ₂₈	* 1996 12 12.16404	03 40 00.06	+19 45 47.1	20.7 V	691	1996 XH ₂₉	1996 12 17.16571	03 19 53.64	+18 58 37.1	19.7 V	691
1996 XZ ₂₈	1996 12 12.18619	03 39 58.94	+19 45 45.0	20.7 V	691	1996 XH ₂₉	1996 12 17.18970	03 19 52.84	+18 58 34.3	20.2 V	691
1996 XZ ₂₈	1996 12 12.20869	03 39 57.82	+19 45 43.5	20.6 V	691	1996 XJ ₂₉	* 1996 12 13.22920	03 23 10.66	+19 18 00.5	21.0 V	691
1996 XZ ₂₈	1996 12 15.29586	03 37 33.69	+19 41 27.4	20.4 V	691	1996 XJ ₂₉	1996 12 13.25882	03 23 09.50	+19 17 56.3	20.5 V	691
1996 XZ ₂₈	1996 12 15.31803	03 37 32.69	+19 41 25.9	20.1 V	691	1996 XJ ₂₉	1996 12 13.28131	03 23 08.59	+19 17 53.3	20.4 V	691
1996 XZ ₂₈	1996 12 15.34066	03 37 31.63	+19 41 23.6	20.4 V	691	1996 XJ ₂₉	1996 12 17.06505	03 21 00.73	+19 09 57.3	20.5 V	691
1996 XA ₂₉	* 1996 12 12.16549	03 42 05.57	+19 49 24.0	18.6 V	691	1996 XJ ₂₉	1996 12 17.08727	03 21 00.03	+19 09 54.6	20.7 V	691
1996 XA ₂₉	1996 12 12.18764	03 42 04.28	+19 49 23.8	18.6 V	691	1996 XJ ₂₉	1996 12 17.11858	03 20 59.06	+19 09 51.7	20.7 V	691
1996 XA ₂₉	1996 12 12.21013	03 42 02.95	+19 49 23.5	18.7 V	691	1996 XK ₂₉	* 1996 12 13.23203	03 27 15.94	+19 24 56.6	17.1 V	691
1996 XA ₂₉	1996 12 15.29705	03 39 16.69	+19 48 49.2	19.1 V	691	1996 XK ₂₉	1996 12 13.26165	03 27 14.49	+19 25 03.2	16.8 V	691
1996 XA ₂₉	1996 12 15.31921	03 39 15.49	+19 48 49.0	19.0 V	691	1996 XK ₂₉	1996 12 13.28414	03 27 13.44	+19 25 08.6	16.9 V	691

1996 XK ₂₉	1996 12 15.28770	03 25 46.29	+19 33 01.6	16.9 V	691	1996 XR ₂₉	1996 12 17.39216	08 59 29.11	+14 42 42.6	21.5 V	691
1996 XK ₂₉	1996 12 15.30986	03 25 45.30	+19 33 07.0	17.0 V	691	1996 XS ₂₉	* 1996 12 13.49740	09 01 23.94	+14 58 54.1	20.9 V	691
1996 XK ₂₉	1996 12 15.33249	03 25 44.31	+19 33 11.8	17.0 V	691	1996 XS ₂₉	1996 12 13.51950	09 01 23.62	+14 58 50.7	21.1 V	691
1996 XL ₂₉	1996 12 05.15366	03 37 07.67	+19 21 04.4	18.7 V	691	1996 XS ₂₉	1996 12 13.54167	09 01 23.26	+14 58 48.3	20.5 V	691
1996 XL ₂₉	1996 12 05.17904	03 37 06.34	+19 21 01.9	18.7 V	691	1996 XS ₂₉	1996 12 17.34901	09 00 21.30	+14 51 59.5	20.8 V	691
1996 XL ₂₉	1996 12 05.20244	03 37 05.12	+19 21 00.0	18.7 V	691	1996 XS ₂₉	1996 12 17.37110	09 00 20.87	+14 51 57.9	20.8 V	691
1996 XL ₂₉	* 1996 12 13.23480	03 31 16.19	+19 10 44.3	19.1 V	691	1996 XS ₂₉	1996 12 17.39276	09 00 20.43	+14 51 55.4	20.9 V	691
1996 XL ₂₉	1996 12 13.26442	03 31 15.01	+19 10 42.4	19.0 V	691	1996 XT ₂₉	* 1996 12 14.21363	03 19 02.02	+18 49 20.3	19.7 V	691
1996 XL ₂₉	1996 12 13.28692	03 31 14.14	+19 10 40.9	18.9 V	691	1996 XT ₂₉	1996 12 14.23581	03 19 01.05	+18 49 21.0	19.8 V	691
1996 XL ₂₉	1996 12 16.07421	03 29 40.33	+19 08 19.0	19.7 V	691	1996 XT ₂₉	1996 12 14.25969	03 18 59.99	+18 49 21.8	19.8 V	691
1996 XL ₂₉	1996 12 16.09636	03 29 39.58	+19 08 17.8	19.4 V	691	1996 XT ₂₉	1996 12 17.14061	03 17 08.57	+18 51 36.7	19.6 V	691
1996 XL ₂₉	1996 12 16.11893	03 29 38.80	+19 08 17.0	19.2 V	691	1996 XT ₂₉	1996 12 17.16389	03 17 07.69	+18 51 38.0	19.6 V	691
1996 XL ₂₉	1996 12 17.07070	03 29 10.17	+19 07 38.6	19.1 V	691	1996 XT ₂₉	1996 12 17.18789	03 17 06.79	+18 51 39.4	19.8 V	691
1996 XL ₂₉	1996 12 17.09292	03 29 09.50	+19 07 37.8	19.1 V	691	1996 XU ₂₉	* 1996 12 14.21645	03 23 06.71	+18 39 58.2	20.3 V	691
1996 XL ₂₉	1997 01 10.09556	03 27 17.29	+19 22 54.2	19.6 V	691	1996 XU ₂₉	1996 12 14.23863	03 23 05.77	+18 39 58.3	20.6 V	691
1996 XL ₂₉	1997 01 10.11772	03 27 17.66	+19 22 56.6	19.8 V	691	1996 XU ₂₉	1996 12 14.26251	03 23 04.76	+18 39 58.6	20.6 V	691
1996 XL ₂₉	1997 01 10.13991	03 27 18.06	+19 22 59.3	19.6 V	691	1996 XU ₂₉	1996 12 17.14334	03 21 15.61	+18 40 56.0	20.3 V	691
1996 XM ₂₉	* 1996 12 13.23935	03 37 50.02	+19 14 09.4	20.3 V	691	1996 XU ₂₉	1996 12 17.16665	03 21 14.76	+18 40 56.4	20.2 V	691
1996 XM ₂₉	1996 12 13.26897	03 37 48.64	+19 14 04.0	20.2 V	691	1996 XU ₂₉	1996 12 17.19064	03 21 13.86	+18 40 57.1	20.2 V	691
1996 XM ₂₉	1996 12 13.29146	03 37 47.63	+19 14 00.0	20.2 V	691	1996 XV ₂₉	* 1996 12 14.21928	03 27 11.25	+18 38 20.8	20.8 V	691
1996 XM ₂₉	1996 12 17.07487	03 35 11.42	+19 03 30.9	20.5 V	691	1996 XV ₂₉	1996 12 14.24146	03 27 10.33	+18 38 20.4	20.9 V	691
1996 XM ₂₉	1996 12 17.09709	03 35 10.54	+19 03 27.2	20.3 V	691	1996 XV ₂₉	1996 12 14.26534	03 27 09.29	+18 38 20.1	20.9 V	691
1996 XM ₂₉	1996 12 17.12840	03 35 09.30	+19 03 22.4	19.9 V	691	1996 XV ₂₉	1996 12 17.14613	03 25 17.65	+18 38 05.2	20.8 V	691
1996 XN ₂₉	* 1996 12 13.24356	03 43 55.42	+19 13 37.0	21.7 V	691	1996 XV ₂₉	1996 12 17.16944	03 25 16.77	+18 38 04.9	20.8 V	691
1996 XN ₂₉	1996 12 13.27319	03 43 54.00	+19 13 38.6	21.5 V	691	1996 XV ₂₉	1996 12 17.19343	03 25 15.85	+18 38 04.9	20.8 V	691
1996 XN ₂₉	1996 12 13.29568	03 43 53.01	+19 13 39.7	21.1 V	691	1996 XW ₂₉	* 1996 12 14.21932	03 27 14.92	+18 56 01.4	21.2 V	691
1996 XN ₂₉	1996 12 17.07907	03 41 14.75	+19 17 23.5	21.5 V	691	1996 XW ₂₉	1996 12 14.24150	03 27 14.17	+18 55 57.9	21.0 V	691
1996 XN ₂₉	1996 12 17.10128	03 41 13.87	+19 17 24.8	21.4 V	691	1996 XW ₂₉	1996 12 14.26538	03 27 13.33	+18 55 53.4	20.6 V	691
1996 XN ₂₉	1996 12 17.13260	03 41 12.64	+19 17 26.7	20.8 V	691	1996 XW ₂₉	1996 12 17.14653	03 25 51.89	+18 48 17.9	20.9 V	691
1996 XO ₂₉	* 1996 12 13.48070	08 37 16.64	+14 54 19.7	20.2 V	691	1996 XW ₂₉	1996 12 17.16984	03 25 51.27	+18 48 14.7	20.2 V	691
1996 XO ₂₉	1996 12 13.50279	08 37 16.22	+14 54 19.1	20.3 V	691	1996 XW ₂₉	1996 12 17.19383	03 25 50.58	+18 48 11.0	20.2 V	691
1996 XO ₂₉	1996 12 13.52496	08 37 15.72	+14 54 18.6	20.0 V	691	1996 XX ₂₉	1996 12 05.22656	03 38 02.02	+18 45 29.3	19.4 V	691
1996 XO ₂₉	1996 12 17.33204	08 35 50.61	+14 54 04.1	20.3 V	691	1996 XX ₂₉	1996 12 05.24883	03 38 00.71	+18 45 27.2	19.4 V	691
1996 XO ₂₉	1996 12 17.35412	08 35 49.99	+14 54 04.5	20.4 V	691	1996 XX ₂₉	1996 12 05.27114	03 37 59.40	+18 45 25.0	19.4 V	691
1996 XO ₂₉	1996 12 17.37577	08 35 49.43	+14 54 05.1	20.2 V	691	1996 XX ₂₉	* 1996 12 14.22154	03 30 27.24	+18 33 44.4	19.5 V	691
1996 XP ₂₉	* 1996 12 13.48197	08 39 07.30	+14 57 03.3	19.1 V	691	1996 XX ₂₉	1996 12 14.24372	03 30 26.24	+18 33 42.8	19.5 V	691
1996 XP ₂₉	1996 12 13.50407	08 39 06.93	+14 57 04.4	19.1 V	691	1996 XX ₂₉	1996 12 14.26760	03 30 25.11	+18 33 41.8	19.5 V	691
1996 XP ₂₉	1996 12 13.52624	08 39 06.57	+14 57 05.4	18.8 V	691	1996 XX ₂₉	1996 12 17.14834	03 28 28.65	+18 31 19.2	19.5 V	691
1996 XP ₂₉	1996 12 17.33352	08 37 59.39	+15 01 04.1	19.3 V	691	1996 XX ₂₉	1996 12 17.17164	03 28 27.69	+18 31 18.1	19.6 V	691
1996 XP ₂₉	1996 12 17.35561	08 37 58.89	+15 01 06.2	19.2 V	691	1996 XX ₂₉	1996 12 17.19564	03 28 26.72	+18 31 17.6	19.7 V	691
1996 XP ₂₉	1996 12 17.37726	08 37 58.41	+15 01 08.0	19.1 V	691	1996 XX ₂₉	1997 01 12.09585	03 23 59.75	+18 51 31.2	20.5 V	691
1996 XQ ₂₉	* 1996 12 13.49156	08 52 57.69	+14 43 11.1	20.9 V	691	1996 XX ₂₉	1997 01 12.11811	03 24 00.07	+18 51 34.0	20.2 V	691
1996 XQ ₂₉	1996 12 13.51365	08 52 57.24	+14 43 09.9	20.9 V	691	1996 XX ₂₉	1997 01 12.14027	03 24 00.37	+18 51 37.2	20.6 V	691
1996 XQ ₂₉	1996 12 13.53582	08 52 56.85	+14 43 08.9	20.3 V	691	1996 XY ₂₉	* 1996 12 14.22341	03 33 09.15	+18 55 32.1	20.2 V	691
1996 XQ ₂₉	1996 12 17.34300	08 51 40.63	+14 40 41.1	21.7 V	691	1996 XY ₂₉	1996 12 14.24559	03 33 08.25	+18 55 31.4	20.4 V	691
1996 XQ ₂₉	1996 12 17.36509	08 51 40.08	+14 40 40.3	21.5 V	691	1996 XY ₂₉	1996 12 14.26947	03 33 07.30	+18 55 30.7	20.2 V	691
1996 XQ ₂₉	1996 12 17.38674	08 51 39.51	+14 40 40.3	21.4 V	691	1996 XY ₂₉	1996 12 17.15041	03 31 27.79	+18 54 32.7	20.1 V	691
1996 XR ₂₉	* 1996 12 13.49685	09 00 36.28	+14 42 18.4	21.1 V	691	1996 XY ₂₉	1996 12 17.17371	03 31 26.98	+18 54 32.4	20.0 V	691
1996 XR ₂₉	1996 12 13.51895	09 00 35.93	+14 42 18.2	21.1 V	691	1996 XY ₂₉	1996 12 17.19771	03 31 26.16	+18 54 32.1	20.4 V	691
1996 XR ₂₉	1996 12 13.54112	09 00 35.60	+14 42 17.8	20.9 V	691	1996 XZ ₂₉	* 1996 12 14.22366	03 33 30.65	+18 31 12.4	19.3 V	691
1996 XR ₂₉	1996 12 17.34842	08 59 30.06	+14 42 41.9	21.6 V	691	1996 XZ ₂₉	1996 12 14.24584	03 33 29.68	+18 31 13.4	19.4 V	691
1996 XR ₂₉	1996 12 17.37051	08 59 29.55	+14 42 42.7	21.0 V	691	1996 XZ ₂₉	1996 12 14.26971	03 33 28.61	+18 31 14.5	19.4 V	691

1996 XZ ₂₉	1996 12 17.15046	03 31 32.09	+18 33 42.6	19.1 V	691	1996 XH ₃₀	1996 12 14.25224	03 42 44.52	+18 43 29.9	18.2 V	691
1996 XZ ₂₉	1996 12 17.17376	03 31 31.14	+18 33 44.3	19.0 V	691	1996 XH ₃₀	1996 12 14.27612	03 42 43.51	+18 43 26.0	18.7 V	691
1996 XZ ₂₉	1996 12 17.19775	03 31 30.17	+18 33 45.3	19.1 V	691	1996 XH ₃₀	1996 12 17.15690	03 40 50.74	+18 36 22.2	18.8 V	691
1996 XA ₃₀	* 1996 12 14.22551	03 36 10.90	+18 32 52.1	19.5 V	691	1996 XH ₃₀	1996 12 17.18021	03 40 49.83	+18 36 19.1	18.8 V	691
1996 XA ₃₀	1996 12 14.24768	03 36 09.86	+18 32 53.5	19.6 V	691	1996 XH ₃₀	1996 12 17.20420	03 40 48.88	+18 36 15.8	18.8 V	691
1996 XA ₃₀	1996 12 14.27156	03 36 08.74	+18 32 55.1	19.6 V	691	1996 XJ ₃₀	* 1996 12 14.23115	03 44 20.27	+18 42 02.3	19.7 V	691
1996 XA ₃₀	1996 12 17.15227	03 34 09.49	+18 36 21.4	19.0 V	691	1996 XJ ₃₀	1996 12 14.25333	03 44 19.21	+18 42 00.8	19.6 V	691
1996 XA ₃₀	1996 12 17.17558	03 34 08.58	+18 36 23.4	19.5 V	691	1996 XJ ₃₀	1996 12 14.27721	03 44 18.09	+18 41 59.3	19.5 V	691
1996 XA ₃₀	1996 12 17.19957	03 34 07.58	+18 36 25.2	19.5 V	691	1996 XJ ₃₀	1996 12 17.15791	03 42 17.66	+18 39 24.6	19.6 V	691
1996 XB ₃₀	1996 12 05.23066	03 43 56.72	+18 46 56.0	19.9 V	691	1996 XJ ₃₀	1996 12 17.18121	03 42 16.69	+18 39 23.8	19.6 V	691
1996 XB ₃₀	1996 12 05.25293	03 43 55.48	+18 46 55.5	19.9 V	691	1996 XJ ₃₀	1996 12 17.20521	03 42 15.69	+18 39 22.6	19.5 V	691
1996 XB ₃₀	1996 12 05.27524	03 43 54.22	+18 46 54.4	19.9 V	691	1996 XK ₃₀	* 1996 12 15.41977	08 36 11.31	+14 08 15.2	19.5 V	691
1996 XB ₃₀	* 1996 12 14.22618	03 37 09.11	+18 44 32.9	20.0 V	691	1996 XK ₃₀	1996 12 15.44144	08 36 10.84	+14 08 15.6	19.7 V	691
1996 XB ₃₀	1996 12 14.24836	03 37 08.21	+18 44 32.9	20.1 V	691	1996 XK ₃₀	1996 12 15.46304	08 36 10.41	+14 08 15.5	19.1 V	691
1996 XB ₃₀	1996 12 14.27224	03 37 07.26	+18 44 32.9	20.1 V	691	1996 XK ₃₀	1996 12 17.39874	08 35 30.26	+14 08 31.3	19.6 V	691
1996 XB ₃₀	1996 12 17.15320	03 35 30.07	+18 45 15.7	20.2 V	691	1996 XK ₃₀	1996 12 17.42067	08 35 29.69	+14 08 31.7	19.5 V	691
1996 XB ₃₀	1996 12 17.17651	03 35 29.30	+18 45 16.6	20.0 V	691	1996 XK ₃₀	1996 12 17.44319	08 35 29.09	+14 08 32.3	18.8 V	691
1996 XB ₃₀	1996 12 17.20051	03 35 28.48	+18 45 17.3	20.1 V	691	1996 XL ₃₀	* 1996 12 15.42072	08 37 33.17	+14 24 03.8	20.8 V	691
1996 XC ₃₀	* 1996 12 14.22671	03 37 55.02	+18 59 42.5	18.9 V	691	1996 XL ₃₀	1996 12 15.44239	08 37 32.61	+14 24 04.6	20.5 V	691
1996 XC ₃₀	1996 12 14.24889	03 37 54.18	+18 59 36.7	19.0 V	691	1996 XL ₃₀	1996 12 15.46398	08 37 32.05	+14 24 05.6	20.6 V	691
1996 XC ₃₀	1996 12 14.27277	03 37 53.26	+18 59 30.1	19.0 V	691	1996 XL ₃₀	1996 12 17.39947	08 36 40.32	+14 25 34.4	20.2 V	691
1996 XC ₃₀	1996 12 17.15376	03 36 18.32	+18 47 11.2	18.9 V	691	1996 XL ₃₀	1996 12 17.42140	08 36 39.67	+14 25 35.2	20.6 V	691
1996 XC ₃₀	1996 12 17.17707	03 36 17.56	+18 47 05.7	19.1 V	691	1996 XL ₃₀	1996 12 17.44389	08 36 38.98	+14 25 36.4	20.3 V	691
1996 XC ₃₀	1996 12 17.20106	03 36 16.78	+18 46 59.7	18.9 V	691	1996 XM ₃₀	* 1996 12 15.42766	08 47 34.62	+14 23 27.0	20.2 V	691
1996 XD ₃₀	* 1996 12 14.22677	03 38 00.15	+18 58 12.7	20.5 V	691	1996 XM ₃₀	1996 12 15.44933	08 47 34.16	+14 23 26.9	20.3 V	691
1996 XD ₃₀	1996 12 14.24894	03 37 59.02	+18 58 08.8	20.6 V	691	1996 XM ₃₀	1996 12 15.47092	08 47 33.68	+14 23 27.4	20.0 V	691
1996 XD ₃₀	1996 12 14.27282	03 37 57.80	+18 58 04.5	20.6 V	691	1996 XM ₃₀	1996 12 17.40652	08 46 50.79	+14 23 40.9	20.1 V	691
1996 XD ₃₀	1996 12 17.15336	03 35 43.97	+18 50 10.5	19.9 V	691	1996 XM ₃₀	1996 12 17.42845	08 46 50.26	+14 23 41.5	19.9 V	691
1996 XD ₃₀	1996 12 17.17667	03 35 42.89	+18 50 07.0	19.9 V	691	1996 XM ₃₀	1996 12 17.45094	08 46 49.64	+14 23 41.5	19.9 V	691
1996 XD ₃₀	1996 12 17.20066	03 35 41.79	+18 50 03.3	20.1 V	691	1996 XN ₃₀	* 1996 12 15.43137	08 52 56.06	+14 19 08.5	20.2 V	691
1996 XE ₃₀	* 1996 12 14.22972	03 42 16.39	+18 48 09.3	19.1 V	691	1996 XN ₃₀	1996 12 15.45304	08 52 55.66	+14 19 06.6	19.9 V	691
1996 XE ₃₀	1996 12 14.25191	03 42 15.53	+18 48 01.6	19.0 V	691	1996 XN ₃₀	1996 12 15.47464	08 52 55.24	+14 19 05.7	19.6 V	691
1996 XE ₃₀	1996 12 14.27579	03 42 14.62	+18 47 53.0	19.2 V	691	1996 XN ₃₀	1996 12 17.41031	08 52 19.16	+14 17 23.2	20.0 V	691
1996 XE ₃₀	1996 12 17.15675	03 40 37.43	+18 31 44.0	19.0 V	691	1996 XN ₃₀	1996 12 17.43224	08 52 18.70	+14 17 22.3	19.9 V	691
1996 XE ₃₀	1996 12 17.18006	03 40 36.65	+18 31 36.7	19.1 V	691	1996 XN ₃₀	1996 12 17.45473	08 52 18.20	+14 17 21.1	20.0 V	691
1996 XE ₃₀	1996 12 17.20405	03 40 35.84	+18 31 28.8	19.0 V	691	1996 XO ₃₀	* 1996 12 15.43144	08 53 01.86	+14 27 50.4	18.3 V	691
1996 XF ₃₀	1996 12 13.24288	03 42 55.88	+19 02 06.6	21.5 V	691	1996 XO ₃₀	1996 12 15.45311	08 53 01.44	+14 27 52.8	18.2 V	691
1996 XF ₃₀	1996 12 13.27250	03 42 54.58	+19 01 58.1	21.7 V	691	1996 XO ₃₀	1996 12 15.47470	08 53 01.04	+14 27 56.0	18.0 V	691
1996 XF ₃₀	1996 12 13.29499	03 42 53.67	+19 01 50.4	21.3 V	691	1996 XO ₃₀	1996 12 17.34352	08 52 25.52	+14 32 18.5	17.9 V	691
1996 XF ₃₀	* 1996 12 14.22975	03 42 18.27	+18 57 08.6	21.1 V	691	1996 XO ₃₀	1996 12 17.36561	08 52 25.03	+14 32 21.7	17.8 V	691
1996 XF ₃₀	1996 12 14.25193	03 42 17.39	+18 57 02.3	21.4 V	691	1996 XO ₃₀	1996 12 17.38726	08 52 24.55	+14 32 25.1	17.9 V	691
1996 XF ₃₀	1996 12 14.27581	03 42 16.44	+18 56 54.6	21.5 V	691	1996 XP ₃₀	* 1996 12 15.43147	08 53 04.52	+14 15 24.5	19.6 V	691
1996 XF ₃₀	1996 12 17.15673	03 40 36.05	+18 43 05.4	20.9 V	691	1996 XP ₃₀	1996 12 15.45314	08 53 04.12	+14 15 25.3	19.4 V	691
1996 XF ₃₀	1996 12 17.18004	03 40 35.27	+18 42 59.5	20.8 V	691	1996 XP ₃₀	1996 12 15.47473	08 53 03.76	+14 15 26.4	19.3 V	691
1996 XF ₃₀	1996 12 17.20404	03 40 34.44	+18 42 53.3	21.2 V	691	1996 XP ₃₀	1996 12 17.41045	08 52 31.35	+14 16 56.0	19.4 V	691
1996 XG ₃₀	* 1996 12 14.22987	03 42 28.84	+18 55 44.5	20.8 V	691	1996 XP ₃₀	1996 12 17.43238	08 52 30.90	+14 16 57.3	19.6 V	691
1996 XG ₃₀	1996 12 14.25205	03 42 27.77	+18 55 43.3	21.0 V	691	1996 XP ₃₀	1996 12 17.45487	08 52 30.39	+14 16 58.8	19.5 V	691
1996 XG ₃₀	1996 12 14.27593	03 42 26.65	+18 55 41.5	21.0 V	691	1996 XQ ₃₀	* 1996 12 15.43220	08 54 08.15	+14 27 06.9	19.6 V	691
1996 XG ₃₀	1996 12 17.15658	03 40 22.53	+18 52 50.9	20.5 V	691	1996 XQ ₃₀	1996 12 15.45387	08 54 07.74	+14 27 05.3	19.5 V	691
1996 XG ₃₀	1996 12 17.17988	03 40 21.50	+18 52 49.6	20.5 V	691	1996 XQ ₃₀	1996 12 15.47547	08 54 07.35	+14 27 03.5	19.5 V	691
1996 XG ₃₀	1996 12 17.20388	03 40 20.49	+18 52 49.1	20.4 V	691	1996 XQ ₃₀	1996 12 17.41114	08 53 31.13	+14 24 47.4	19.6 V	691
1996 XH ₃₀	* 1996 12 14.23006	03 42 45.48	+18 43 33.7	18.8 V	691	1996 XQ ₃₀	1996 12 17.43307	08 53 30.67	+14 24 46.1	19.5 V	691

1996 XQ ₃₀	1996 12 17.45556	08 53 30.18	+14 24 44.7	19.6 V	691	1996 XD ₃₄	1996 12 08.16980	02 57 15.12	+25 19 48.5	21.3 V	691
1996 XR ₃₀	* 1996 12 15.43353	08 56 02.89	+14 03 12.9	20.7 V	691	1996 XD ₃₄	1996 12 08.19341	02 57 13.87	+25 19 49.9	21.0 V	691
1996 XR ₃₀	1996 12 15.45520	08 56 02.34	+14 03 09.9	20.6 V	691	1996 XD ₃₄	1996 12 13.16515	02 53 12.24	+25 25 04.2	21.0 V	691
1996 XR ₃₀	1996 12 15.47679	08 56 01.83	+14 03 07.0	20.3 V	691	1996 XD ₃₄	1996 12 13.18873	02 53 11.15	+25 25 05.7	21.0 V	691
1996 XR ₃₀	1996 12 17.41232	08 55 12.89	+13 59 06.7	20.5 V	691	1996 XD ₃₄	1996 12 13.21223	02 53 10.22	+25 25 08.3	20.7 V	691
1996 XR ₃₀	1996 12 17.43424	08 55 12.32	+13 59 04.0	20.8 V	691	1996 XE ₃₄	* 1996 12 08.14712	02 58 41.31	+25 14 32.2	19.1 V	691
1996 XR ₃₀	1996 12 17.45673	08 55 11.65	+13 59 02.0	20.4 V	691	1996 XE ₃₄	1996 12 08.17079	02 58 40.32	+25 14 26.6	19.4 V	691
1996 XS ₃₀	* 1996 12 15.43438	08 57 16.88	+14 27 17.1	20.7 V	691	1996 XE ₃₄	1996 12 08.19440	02 58 39.31	+25 14 21.5	19.2 V	691
1996 XS ₃₀	1996 12 15.45605	08 57 16.40	+14 27 15.6	20.5 V	691	1996 XE ₃₄	1996 12 14.09183	02 55 08.01	+24 52 52.4	20.7 V	691
1996 XS ₃₀	1996 12 15.47764	08 57 15.89	+14 27 15.8	20.2 V	691	1996 XE ₃₄	1996 12 14.11486	02 55 07.27	+24 52 48.4	21.0 V	691
1996 XS ₃₀	1996 12 17.41324	08 56 32.80	+14 26 37.8	19.9 V	691	1996 XE ₃₄	1996 12 14.13797	02 55 06.55	+24 52 43.7	21.1 V	691
1996 XS ₃₀	1996 12 17.43516	08 56 32.24	+14 26 37.3	20.0 V	691	1996 XF ₃₄	* 1996 12 08.41392	08 25 23.15	+23 16 50.1	20.2 V	691
1996 XS ₃₀	1996 12 17.45765	08 56 31.66	+14 26 37.0	19.8 V	691	1996 XF ₃₄	1996 12 08.43751	08 25 22.62	+23 16 49.0	20.4 V	691
1996 XW ₃₃	* 1996 12 04.28928	03 46 22.94	+08 34 16.0	18.4 V	691	1996 XF ₃₄	1996 12 08.46079	08 25 22.11	+23 16 48.9	20.1 V	691
1996 XW ₃₃	1996 12 04.31148	03 46 21.65	+08 34 14.5	18.3 V	691	1996 XF ₃₄	1996 12 14.29600	08 22 48.80	+23 14 55.4	20.4 V	691
1996 XW ₃₃	1996 12 04.34779	03 46 19.54	+08 34 12.0	18.2 V	691	1996 XF ₃₄	1996 12 14.31886	08 22 48.09	+23 14 55.3	20.2 V	691
1996 XX ₃₃	* 1996 12 01.16084	02 44 23.20	+25 26 32.6	20.5 V	691	1996 XF ₃₄	1996 12 14.34196	08 22 47.37	+23 14 55.7	20.0 V	691
1996 XX ₃₃	1996 12 01.18417	02 44 22.07	+25 26 25.2	20.5 V	691	1996 XG ₃₄	* 1996 12 08.41965	08 33 39.03	+22 52 27.0	20.6 V	691
1996 XX ₃₃	1996 12 01.20730	02 44 20.95	+25 26 17.3	20.5 V	691	1996 XG ₃₄	1996 12 08.44324	08 33 38.95	+22 52 33.0	20.4 V	691
1996 XX ₃₃	1996 12 09.08449	02 39 15.94	+24 43 11.2	20.7 V	691	1996 XG ₃₄	1996 12 08.46653	08 33 38.90	+22 52 38.7	20.6 V	691
1996 XX ₃₃	1996 12 09.10728	02 39 15.19	+24 43 03.9	20.7 V	691	1996 XG ₃₄	1996 12 14.30309	08 33 02.72	+23 19 13.8	19.8 V	691
1996 XX ₃₃	1996 12 09.13012	02 39 14.42	+24 42 56.7	20.5 V	691	1996 XG ₃₄	1996 12 14.32595	08 33 02.37	+23 19 20.5	19.7 V	691
1996 XY ₃₃	* 1996 12 08.13628	02 43 02.69	+25 28 59.7	20.7 V	691	1996 XG ₃₄	1996 12 14.34906	08 33 02.00	+23 19 27.5	19.5 V	691
1996 XY ₃₃	1996 12 08.15996	02 43 01.95	+25 28 51.6	20.6 V	691	1996 XH ₃₄	* 1996 12 08.42017	08 34 24.29	+22 50 03.0	20.5 V	691
1996 XY ₃₃	1996 12 08.18357	02 43 01.25	+25 28 43.5	20.6 V	691	1996 XH ₃₄	1996 12 08.44376	08 34 23.99	+22 50 07.7	20.5 V	691
1996 XY ₃₃	1996 12 14.08173	02 40 33.17	+24 55 33.2	20.9 V	691	1996 XH ₃₄	1996 12 08.46704	08 34 23.64	+22 50 13.1	20.9 V	691
1996 XY ₃₃	1996 12 14.10476	02 40 32.68	+24 55 25.9	20.6 V	691	1996 XH ₃₄	1996 12 14.30302	08 32 56.78	+23 11 52.2	20.4 V	691
1996 XY ₃₃	1996 12 14.12788	02 40 32.14	+24 55 18.8	20.4 V	691	1996 XH ₃₄	1996 12 14.32588	08 32 56.32	+23 11 57.8	20.7 V	691
1996 XZ ₃₃	* 1996 12 08.14099	02 49 50.43	+25 23 21.0	19.5 V	691	1996 XH ₃₄	1996 12 14.34899	08 32 55.83	+23 12 03.1	21.0 V	691
1996 XZ ₃₃	1996 12 08.16466	02 49 49.50	+25 23 14.2	19.6 V	691	1996 XJ ₃₄	* 1996 12 08.42209	08 37 10.61	+22 50 23.6	20.4 V	691
1996 XZ ₃₃	1996 12 14.08601	02 46 43.61	+24 55 23.5	19.5 V	691	1996 XJ ₃₄	1996 12 08.44568	08 37 10.23	+22 50 25.7	20.8 V	691
1996 XZ ₃₃	1996 12 14.10904	02 46 43.01	+24 55 17.3	19.4 V	691	1996 XJ ₃₄	1996 12 08.46896	08 37 09.82	+22 50 27.7	20.4 V	691
1996 XZ ₃₃	1996 12 14.13215	02 46 42.36	+24 55 11.3	19.5 V	691	1996 XJ ₃₄	1996 12 14.32751	08 35 17.50	+23 01 49.3	21.0 V	691
1996 XA ₃₄	* 1996 12 08.14114	02 50 03.04	+25 12 42.2	20.9 V	691	1996 XJ ₃₄	1996 12 14.35061	08 35 16.91	+23 01 52.0	21.2 V	691
1996 XA ₃₄	1996 12 08.16481	02 50 02.22	+25 12 33.7	21.1 V	691	1996 XK ₃₄	* 1996 12 08.42683	08 44 01.46	+23 04 03.2	20.9 V	691
1996 XA ₃₄	1996 12 08.18842	02 50 01.40	+25 12 25.3	21.2 V	691	1996 XK ₃₄	1996 12 08.45042	08 44 01.01	+23 04 02.5	20.9 V	691
1996 XA ₃₄	1996 12 14.08635	02 47 13.00	+24 37 45.9	21.1 V	691	1996 XK ₃₄	1996 12 08.47370	08 44 00.57	+23 04 01.2	21.1 V	691
1996 XA ₃₄	1996 12 14.10938	02 47 12.43	+24 37 38.2	21.2 V	691	1996 XK ₃₄	1996 12 14.30926	08 41 57.32	+23 01 29.1	20.7 V	691
1996 XA ₃₄	1996 12 14.13249	02 47 11.84	+24 37 29.9	20.6 V	691	1996 XK ₃₄	1996 12 14.33212	08 41 56.69	+23 01 28.9	20.3 V	691
1996 XB ₃₄	* 1996 12 08.14358	02 53 34.78	+25 14 24.9	18.2 V	691	1996 XK ₃₄	1996 12 14.35522	08 41 56.10	+23 01 28.8	20.7 V	691
1996 XB ₃₄	1996 12 08.16725	02 53 33.84	+25 14 16.5	18.1 V	691	1996 XL ₃₄	* 1996 12 09.08392	02 38 26.76	+24 41 52.4	18.9 V	691
1996 XB ₃₄	1996 12 08.19086	02 53 32.93	+25 14 08.2	17.9 V	691	1996 XL ₃₄	1996 12 09.10672	02 38 25.95	+24 41 44.5	18.8 V	691
1996 XB ₃₄	1996 12 14.08851	02 50 20.86	+24 40 10.5	18.1 V	691	1996 XL ₃₄	1996 12 09.12955	02 38 25.12	+24 41 36.4	18.8 V	691
1996 XB ₃₄	1996 12 14.11154	02 50 20.18	+24 40 02.9	18.2 V	691	1996 XL ₃₄	1996 12 15.08391	02 35 45.88	+24 08 53.5	19.0 V	691
1996 XB ₃₄	1996 12 14.13466	02 50 19.51	+24 39 55.1	18.0 V	691	1996 XL ₃₄	1996 12 15.10758	02 35 45.34	+24 08 45.6	19.0 V	691
1996 XC ₃₄	* 1996 12 08.14437	02 54 42.79	+25 19 21.6	20.8 V	691	1996 XL ₃₄	1996 12 15.13173	02 35 44.81	+24 08 38.4	19.0 V	691
1996 XC ₃₄	1996 12 08.16803	02 54 41.72	+25 19 14.3	20.7 V	691	1996 XM ₃₄	* 1996 12 09.09232	02 50 34.03	+24 51 01.2	20.4 V	691
1996 XC ₃₄	1996 12 08.19165	02 54 40.66	+25 19 07.3	20.6 V	691	1996 XM ₃₄	1996 12 09.11511	02 50 33.13	+24 51 02.4	20.5 V	691
1996 XC ₃₄	1996 12 14.08899	02 51 02.44	+24 50 14.6	19.6 V	691	1996 XM ₃₄	1996 12 09.13795	02 50 32.19	+24 51 03.3	20.4 V	691
1996 XC ₃₄	1996 12 14.11202	02 51 01.79	+24 50 07.1	20.5 V	691	1996 XM ₃₄	1996 12 14.08664	02 47 38.67	+24 54 07.0	20.9 V	691
1996 XC ₃₄	1996 12 14.13514	02 51 01.01	+24 50 00.2	20.6 V	691	1996 XM ₃₄	1996 12 14.10967	02 47 37.96	+24 54 08.1	20.8 V	691
1996 XD ₃₄	* 1996 12 08.14614	02 57 16.36	+25 19 46.8	20.9 V	691	1996 XM ₃₄	1996 12 14.13279	02 47 37.13	+24 54 09.0	20.5 V	691

1996 XN ₃₄	* 1996 12 09.09702	02 57 21.74	+24 48 33.5	20.6 V	691	1996 XW ₃₄	* 1996 12 09.40058	08 37 58.12	+22 19 27.6	19.2 V	691
1996 XN ₃₄	1996 12 09.11981	02 57 20.56	+24 48 29.6	20.2 V	691	1996 XW ₃₄	1996 12 09.42771	08 37 57.81	+22 19 27.2	19.1 V	691
1996 XN ₃₄	1996 12 09.14265	02 57 19.47	+24 48 24.9	20.2 V	691	1996 XW ₃₄	1996 12 09.45492	08 37 57.47	+22 19 26.9	19.4 V	691
1996 XN ₃₄	1996 12 15.11960	02 53 06.98	+24 28 42.0	19.9 V	691	1996 XW ₃₄	1996 12 14.44414	08 36 39.04	+22 19 22.5	19.0 V	691
1996 XN ₃₄	1996 12 15.14375	02 53 06.11	+24 28 37.3	19.8 V	691	1996 XW ₃₄	1996 12 14.46693	08 36 38.48	+22 19 22.8	18.9 V	691
1996 XO ₃₄	* 1996 12 09.10060	03 02 31.48	+24 42 54.8	20.1 V	691	1996 XW ₃₄	1996 12 14.48943	08 36 37.94	+22 19 22.9	18.8 V	691
1996 XO ₃₄	1996 12 09.12339	03 02 30.60	+24 42 50.4	20.3 V	691	1996 XX ₃₄	* 1996 12 09.40103	08 38 37.18	+22 20 09.0	19.8 V	691
1996 XO ₃₄	1996 12 09.14623	03 02 29.67	+24 42 46.2	20.2 V	691	1996 XX ₃₄	1996 12 09.42816	08 38 36.80	+22 20 10.5	19.7 V	691
1996 XO ₃₄	1996 12 15.10009	02 59 07.48	+24 23 03.9	20.7 V	691	1996 XX ₃₄	1996 12 09.45537	08 38 36.39	+22 20 11.8	20.0 V	691
1996 XO ₃₄	1996 12 15.12376	02 59 06.72	+24 22 59.7	20.5 V	691	1996 XX ₃₄	1996 12 14.44452	08 37 12.21	+22 25 29.7	19.5 V	691
1996 XO ₃₄	1996 12 15.14790	02 59 06.01	+24 22 54.9	20.3 V	691	1996 XX ₃₄	1996 12 14.46731	08 37 11.68	+22 25 31.1	19.5 V	691
1996 XP ₃₄	* 1996 12 09.20189	02 41 49.12	+24 01 48.2	20.5 V	691	1996 XX ₃₄	1996 12 14.48981	08 37 11.20	+22 25 33.1	19.5 V	691
1996 XP ₃₄	1996 12 09.22495	02 41 48.24	+24 01 47.6	20.6 V	691	1996 XY ₃₄	* 1996 12 09.40401	08 42 54.88	+22 27 18.3	19.5 V	691
1996 XP ₃₄	1996 12 09.24790	02 41 47.33	+24 01 47.8	20.9 V	691	1996 XY ₃₄	1996 12 09.43113	08 42 54.51	+22 27 17.5	19.5 V	691
1996 XP ₃₄	1996 12 15.08581	02 38 30.64	+24 01 56.7	20.5 V	691	1996 XY ₃₄	1996 12 09.45835	08 42 54.14	+22 27 16.9	19.4 V	691
1996 XP ₃₄	1996 12 15.10948	02 38 30.03	+24 01 56.2	21.2 V	691	1996 XY ₃₄	1996 12 14.44752	08 41 31.88	+22 25 40.0	19.1 V	691
1996 XP ₃₄	1996 12 15.13363	02 38 29.17	+24 01 56.5	21.1 V	691	1996 XY ₃₄	1996 12 14.47031	08 41 31.38	+22 25 39.5	19.2 V	691
1996 XQ ₃₄	* 1996 12 09.20846	02 51 18.03	+24 18 01.1	15.9 V	691	1996 XY ₃₄	1996 12 14.49281	08 41 30.92	+22 25 39.6	19.3 V	691
1996 XQ ₃₄	1996 12 09.23152	02 51 16.99	+24 18 04.9	15.9 V	691	1996 XZ ₃₄	* 1996 12 09.47170	08 21 16.48	+21 46 30.1	18.8 V	691
1996 XQ ₃₄	1996 12 09.25447	02 51 15.96	+24 18 08.6	16.0 V	691	1996 XZ ₃₄	1996 12 09.49849	08 21 15.81	+21 46 38.9	19.3 V	691
1996 XQ ₃₄	1996 12 14.08706	02 48 14.61	+24 31 11.6	16.3 V	691	1996 XZ ₃₄	1996 12 09.52503	08 21 15.25	+21 46 47.9	19.1 V	691
1996 XQ ₃₄	1996 12 14.11008	02 48 13.83	+24 31 15.5	16.2 V	691	1996 XZ ₃₄	1996 12 14.50448	08 19 16.50	+22 13 08.2	19.0 V	691
1996 XQ ₃₄	1996 12 14.13320	02 48 13.02	+24 31 19.1	16.1 V	691	1996 XZ ₃₄	1996 12 14.51931	08 19 16.04	+22 13 13.0	19.0 V	691
1996 XR ₃₄	* 1996 12 09.21581	03 01 54.44	+24 26 38.8	20.6 V	691	1996 XZ ₃₄	1996 12 14.53457	08 19 15.58	+22 13 18.1	19.2 V	691
1996 XR ₃₄	1996 12 09.23886	03 01 53.54	+24 26 33.9	20.7 V	691	1996 XA ₃₅	* 1996 12 09.47349	08 23 51.65	+22 07 45.0	20.8 V	691
1996 XR ₃₄	1996 12 09.26182	03 01 52.65	+24 26 29.1	20.9 V	691	1996 XA ₃₅	1996 12 09.50028	08 23 51.05	+22 07 50.2	20.8 V	691
1996 XR ₃₄	1996 12 15.09982	02 58 44.27	+24 06 49.0	21.0 V	691	1996 XA ₃₅	1996 12 09.52682	08 23 50.45	+22 07 55.9	20.6 V	691
1996 XR ₃₄	1996 12 15.12349	02 58 43.57	+24 06 45.4	20.9 V	691	1996 XA ₃₅	1996 12 14.43389	08 21 51.82	+22 27 08.0	19.8 V	691
1996 XR ₃₄	1996 12 15.14764	02 58 42.90	+24 06 40.5	20.9 V	691	1996 XA ₃₅	1996 12 14.45668	08 21 51.18	+22 27 13.4	19.9 V	691
1996 XS ₃₄	* 1996 12 09.21582	03 01 55.57	+24 00 37.5	19.8 V	691	1996 XA ₃₅	1996 12 14.47919	08 21 50.56	+22 27 18.9	20.0 V	691
1996 XS ₃₄	1996 12 09.23888	03 01 54.75	+24 00 39.7	19.8 V	691	1996 XB ₃₅	* 1996 12 11.42255	08 28 22.89	+21 52 17.2	20.9 V	691
1996 XS ₃₄	1996 12 09.26183	03 01 53.96	+24 00 41.5	19.8 V	691	1996 XB ₃₅	1996 12 11.44495	08 28 22.96	+21 52 32.0	20.4 V	691
1996 XS ₃₄	1996 12 15.10047	02 59 39.82	+24 09 04.0	19.9 V	691	1996 XB ₃₅	1996 12 11.46750	08 28 23.13	+21 52 46.2	21.0 V	691
1996 XS ₃₄	1996 12 15.12413	02 59 39.38	+24 09 07.0	19.8 V	691	1996 XB ₃₅	1996 12 14.43861	08 28 40.37	+22 25 38.0	20.8 V	691
1996 XS ₃₄	1996 12 15.14828	02 59 38.96	+24 09 09.8	19.6 V	691	1996 XB ₃₅	1996 12 14.46141	08 28 40.38	+22 25 53.4	20.5 V	691
1996 XT ₃₄	* 1996 12 09.39098	08 24 06.26	+22 35 17.5	20.8 V	691	1996 XB ₃₅	1996 12 14.48392	08 28 40.40	+22 26 08.5	20.5 V	691
1996 XT ₃₄	1996 12 09.41811	08 24 06.07	+22 35 23.8	20.8 V	691	1996 XC ₃₅	* 1996 12 11.42694	08 34 42.86	+22 13 49.8	19.2 V	691
1996 XT ₃₄	1996 12 09.44532	08 24 05.84	+22 35 29.2	21.3 V	691	1996 XC ₃₅	1996 12 11.44933	08 34 42.44	+22 13 55.8	19.4 V	691
1996 XT ₃₄	1996 12 14.29632	08 23 16.78	+22 54 12.7	20.9 V	691	1996 XC ₃₅	1996 12 11.47188	08 34 42.03	+22 14 01.3	19.4 V	691
1996 XT ₃₄	1996 12 14.34229	08 23 15.97	+22 54 24.7	20.6 V	691	1996 XC ₃₅	1996 12 14.44212	08 33 44.69	+22 27 02.9	19.0 V	691
1996 XU ₃₄	* 1996 12 09.39638	08 31 54.43	+22 37 02.6	20.3 V	691	1996 XC ₃₅	1996 12 14.46491	08 33 44.17	+22 27 09.2	19.1 V	691
1996 XU ₃₄	1996 12 09.42351	08 31 53.95	+22 37 11.5	20.4 V	691	1996 XC ₃₅	1996 12 14.48742	08 33 43.68	+22 27 15.2	19.0 V	691
1996 XU ₃₄	1996 12 09.45072	08 31 53.46	+22 37 20.1	20.4 V	691	1996 XD ₃₅	* 1996 12 11.43033	08 39 36.35	+22 11 26.3	19.4 V	691
1996 XU ₃₄	1996 12 14.30124	08 30 22.83	+23 03 57.4	19.9 V	691	1996 XD ₃₅	1996 12 11.45272	08 39 36.13	+22 11 32.3	19.4 V	691
1996 XU ₃₄	1996 12 14.32411	08 30 22.32	+23 04 05.2	19.8 V	691	1996 XD ₃₅	1996 12 11.47527	08 39 35.94	+22 11 37.5	19.5 V	691
1996 XU ₃₄	1996 12 14.34721	08 30 21.80	+23 04 13.1	20.0 V	691	1996 XD ₃₅	1996 12 14.44585	08 39 07.37	+22 24 47.0	18.7 V	691
1996 XV ₃₄	* 1996 12 09.39800	08 34 14.92	+22 37 32.4	20.0 V	691	1996 XD ₃₅	1996 12 14.46864	08 39 07.16	+22 24 51.2	18.7 V	691
1996 XV ₃₄	1996 12 09.42513	08 34 14.58	+22 37 37.2	20.2 V	691	1996 XD ₃₅	1996 12 14.49115	08 39 06.79	+22 24 57.9	19.4 V	691
1996 XV ₃₄	1996 12 09.45235	08 34 14.21	+22 37 41.8	20.1 V	691	1996 XE ₃₅	* 1996 12 11.48602	08 39 17.32	+15 35 51.0	20.3 V	691
1996 XV ₃₄	1996 12 14.30303	08 32 57.44	+22 52 22.8	19.1 V	691	1996 XE ₃₅	1996 12 11.50865	08 39 17.03	+15 35 50.3	20.3 V	691
1996 XV ₃₄	1996 12 14.32589	08 32 57.00	+22 52 28.2	19.5 V	691	1996 XE ₃₅	1996 12 11.53099	08 39 16.71	+15 35 50.3	20.1 V	691
1996 XV ₃₄	1996 12 14.34899	08 32 56.49	+22 52 32.9	19.5 V	691	1996 XE ₃₅	1996 12 15.35410	08 38 17.01	+15 35 57.6	20.0 V	691

1996 XE ₃₅	1996 12 15.37627	08 38 16.49	+15 35 58.9	19.9 V	691	1996 XO ₃₅	1996 12 15.21252	03 35 16.45	+20 05 53.5	20.1 V	691
1996 XE ₃₅	1996 12 15.39803	08 38 16.10	+15 35 58.7	19.9 V	691	1996 XO ₃₅	1996 12 15.23509	03 35 15.57	+20 05 47.1	20.3 V	691
1996 XF ₃₅	* 1996 12 11.48657	08 40 05.11	+15 39 00.9	20.0 V	691	1996 XP ₃₅	* 1996 12 12.07689	03 37 36.97	+20 28 44.8	19.7 V	691
1996 XF ₃₅	1996 12 11.50920	08 40 04.66	+15 39 01.3	19.9 V	691	1996 XP ₃₅	1996 12 12.11654	03 37 34.84	+20 28 48.9	19.7 V	691
1996 XF ₃₅	1996 12 11.53154	08 40 04.20	+15 39 02.0	19.9 V	691	1996 XP ₃₅	1996 12 12.13919	03 37 33.64	+20 28 51.6	19.5 V	691
1996 XF ₃₅	1996 12 15.35435	08 38 39.22	+15 41 00.6	20.2 V	691	1996 XP ₃₅	1996 12 15.18911	03 35 05.18	+20 34 14.7	19.7 V	691
1996 XF ₃₅	1996 12 15.37652	08 38 38.55	+15 41 02.7	19.9 V	691	1996 XP ₃₅	1996 12 15.23494	03 35 02.99	+20 34 19.4	19.8 V	691
1996 XF ₃₅	1996 12 15.39828	08 38 38.03	+15 41 02.9	20.2 V	691	1996 XQ ₃₅	* 1996 12 12.07741	03 38 22.35	+20 08 53.5	20.1 V	691
1996 XG ₃₅	* 1996 12 11.49508	08 52 22.56	+15 46 48.2	21.9 V	691	1996 XQ ₃₅	1996 12 12.11707	03 38 20.28	+20 08 48.9	20.0 V	691
1996 XG ₃₅	1996 12 11.51772	08 52 22.26	+15 46 44.9	21.3 V	691	1996 XQ ₃₅	1996 12 15.29463	03 35 46.86	+20 03 01.5	20.9 V	691
1996 XG ₃₅	1996 12 11.54006	08 52 21.98	+15 46 41.8	21.1 V	691	1996 XQ ₃₅	1996 12 15.31679	03 35 45.84	+20 02 59.4	20.7 V	691
1996 XG ₃₅	1996 12 15.36322	08 51 26.87	+15 39 30.7	20.6 V	691	1996 XQ ₃₅	1996 12 15.33942	03 35 44.78	+20 02 57.7	20.6 V	691
1996 XG ₃₅	1996 12 15.38539	08 51 26.44	+15 39 29.1	21.1 V	691	1996 XR ₃₅	* 1996 12 12.07872	03 40 15.46	+20 09 29.1	19.9 V	691
1996 XG ₃₅	1996 12 15.40715	08 51 26.07	+15 39 28.1	20.9 V	691	1996 XR ₃₅	1996 12 12.11837	03 40 13.47	+20 09 26.5	19.8 V	691
1996 XH ₃₅	* 1996 12 12.06500	03 20 26.91	+20 31 29.2	20.3 V	691	1996 XR ₃₅	1996 12 12.14102	03 40 12.34	+20 09 25.0	19.8 V	691
1996 XH ₃₅	1996 12 12.10466	03 20 25.27	+20 31 24.7	20.1 V	691	1996 XR ₃₅	1996 12 15.19101	03 37 49.65	+20 05 48.7	20.1 V	691
1996 XH ₃₅	1996 12 12.12731	03 20 24.33	+20 31 21.2	20.1 V	691	1996 XR ₃₅	1996 12 15.21427	03 37 48.52	+20 05 48.4	19.8 V	691
1996 XH ₃₅	1996 12 15.17759	03 18 26.78	+20 24 21.9	20.2 V	691	1996 XR ₃₅	1996 12 15.23684	03 37 47.51	+20 05 45.5	20.4 V	691
1996 XH ₃₅	1996 12 15.20085	03 18 25.89	+20 24 19.1	20.5 V	691	1996 XS ₃₅	* 1996 12 12.07884	03 40 26.46	+20 21 13.5	19.8 V	691
1996 XH ₃₅	1996 12 15.22342	03 18 24.98	+20 24 16.2	20.4 V	691	1996 XS ₃₅	1996 12 12.11850	03 40 24.44	+20 21 04.9	19.6 V	691
1996 XJ ₃₅	* 1996 12 12.06775	03 24 25.33	+20 33 14.1	18.9 V	691	1996 XS ₃₅	1996 12 12.14115	03 40 23.25	+20 21 00.3	19.6 V	691
1996 XJ ₃₅	1996 12 12.10741	03 24 23.66	+20 33 07.0	18.9 V	691	1996 XS ₃₅	1996 12 15.19113	03 37 59.90	+20 10 22.2	19.8 V	691
1996 XJ ₃₅	1996 12 12.13006	03 24 22.67	+20 33 02.9	19.1 V	691	1996 XS ₃₅	1996 12 15.21439	03 37 58.78	+20 10 17.8	19.4 V	691
1996 XJ ₃₅	1996 12 15.18030	03 22 21.82	+20 23 36.5	18.9 V	691	1996 XS ₃₅	1996 12 15.23696	03 37 57.74	+20 10 12.3	19.8 V	691
1996 XJ ₃₅	1996 12 15.20357	03 22 20.91	+20 23 32.7	18.9 V	691	1996 XT ₃₅	* 1996 12 12.15243	03 23 14.78	+19 40 32.5	19.6 V	691
1996 XJ ₃₅	1996 12 15.22614	03 22 20.03	+20 23 28.4	18.9 V	691	1996 XT ₃₅	1996 12 12.17459	03 23 13.77	+19 40 26.6	20.2 V	691
1996 XK ₃₅	* 1996 12 12.06885	03 26 01.05	+20 18 57.2	21.5 V	691	1996 XT ₃₅	1996 12 12.19709	03 23 12.76	+19 40 20.8	20.1 V	691
1996 XK ₃₅	1996 12 12.13116	03 25 57.70	+20 19 00.5	21.0 V	691	1996 XT ₃₅	1996 12 17.06442	03 20 05.61	+19 20 16.5	19.6 V	691
1996 XK ₃₅	1996 12 15.18104	03 23 26.09	+20 21 39.6	21.0 V	691	1996 XT ₃₅	1996 12 17.08663	03 20 04.73	+19 20 10.1	20.3 V	691
1996 XK ₃₅	1996 12 15.20430	03 23 24.91	+20 21 40.9	21.3 V	691	1996 XT ₃₅	1996 12 17.11794	03 20 03.74	+19 20 02.9	20.1 V	691
1996 XK ₃₅	1996 12 15.22687	03 23 23.78	+20 21 42.5	21.0 V	691	1996 XU ₃₅	* 1996 12 12.15273	03 23 40.35	+19 45 49.3	20.2 V	691
1996 XL ₃₅	* 1996 12 12.07097	03 29 04.48	+20 16 41.5	20.5 V	691	1996 XU ₃₅	1996 12 12.17488	03 23 39.56	+19 45 42.7	20.2 V	691
1996 XL ₃₅	1996 12 12.11063	03 29 02.75	+20 16 33.3	20.2 V	691	1996 XU ₃₅	1996 12 12.19739	03 23 38.77	+19 45 35.6	20.4 V	691
1996 XL ₃₅	1996 12 12.13328	03 29 01.75	+20 16 29.1	20.1 V	691	1996 XU ₃₅	1996 12 17.06518	03 21 11.64	+19 21 22.8	20.6 V	691
1996 XL ₃₅	1996 12 15.20671	03 26 53.64	+20 06 35.6	20.3 V	691	1996 XU ₃₅	1996 12 17.08740	03 21 11.00	+19 21 16.4	20.8 V	691
1996 XL ₃₅	1996 12 15.22928	03 26 52.72	+20 06 31.8	20.2 V	691	1996 XU ₃₅	1996 12 17.11871	03 21 10.18	+19 21 08.3	20.6 V	691
1996 XM ₃₅	* 1996 12 12.07118	03 29 22.66	+20 33 16.2	19.0 V	691	1996 XV ₃₅	* 1996 12 12.15663	03 29 18.37	+19 45 28.5	20.0 V	691
1996 XM ₃₅	1996 12 12.11084	03 29 20.99	+20 33 05.3	18.8 V	691	1996 XV ₃₅	1996 12 12.17878	03 29 17.37	+19 45 26.8	20.1 V	691
1996 XM ₃₅	1996 12 12.13349	03 29 20.04	+20 32 58.9	18.9 V	691	1996 XV ₃₅	1996 12 12.20129	03 29 16.38	+19 45 25.0	20.3 V	691
1996 XM ₃₅	1996 12 15.18374	03 27 19.80	+20 19 08.2	19.0 V	691	1996 XV ₃₅	1996 12 15.28866	03 27 09.86	+19 41 40.4	20.5 V	691
1996 XM ₃₅	1996 12 15.20701	03 27 18.89	+20 19 02.2	19.0 V	691	1996 XV ₃₅	1996 12 15.31083	03 27 08.95	+19 41 38.4	20.4 V	691
1996 XM ₃₅	1996 12 15.22958	03 27 18.02	+20 18 56.0	18.9 V	691	1996 XV ₃₅	1996 12 15.33346	03 27 08.04	+19 41 37.1	20.8 V	691
1996 XN ₃₅	* 1996 12 12.07544	03 35 31.93	+20 25 59.7	20.1 V	691	1996 XW ₃₅	* 1996 12 12.15842	03 31 53.35	+19 57 22.8	18.0 V	691
1996 XN ₃₅	1996 12 12.11510	03 35 30.00	+20 25 52.9	20.3 V	691	1996 XW ₃₅	1996 12 12.18057	03 31 52.23	+19 57 29.5	18.1 V	691
1996 XN ₃₅	1996 12 12.13775	03 35 28.94	+20 25 49.5	20.2 V	691	1996 XW ₃₅	1996 12 12.20307	03 31 51.10	+19 57 36.3	18.2 V	691
1996 XN ₃₅	1996 12 15.18784	03 33 14.93	+20 17 19.5	19.6 V	691	1996 XW ₃₅	1996 12 15.18533	03 29 37.12	+20 12 22.8	18.2 V	691
1996 XN ₃₅	1996 12 15.21110	03 33 13.92	+20 17 15.9	19.7 V	691	1996 XW ₃₅	1996 12 15.23116	03 29 35.10	+20 12 36.3	18.7 V	691
1996 XN ₃₅	1996 12 15.23367	03 33 12.94	+20 17 11.9	19.7 V	691	1996 XX ₃₅	* 1996 12 12.16237	03 37 35.19	+20 02 24.4	20.8 V	691
1996 XO ₃₅	* 1996 12 12.07672	03 37 22.50	+20 20 26.2	20.1 V	691	1996 XX ₃₅	1996 12 12.18452	03 37 34.34	+20 02 14.0	20.6 V	691
1996 XO ₃₅	1996 12 12.11638	03 37 20.78	+20 20 15.0	19.9 V	691	1996 XX ₃₅	1996 12 12.20702	03 37 33.48	+20 02 03.8	20.6 V	691
1996 XO ₃₅	1996 12 12.13903	03 37 19.79	+20 20 09.0	20.0 V	691	1996 XX ₃₅	1996 12 17.07466	03 34 52.66	+19 26 08.4	21.1 V	691
1996 XO ₃₅	1996 12 15.18925	03 35 17.36	+20 05 59.2	20.0 V	691	1996 XX ₃₅	1996 12 17.09687	03 34 51.97	+19 25 59.8	20.9 V	691

1996 XX ₃₅	1996 12 17.12819	03 34 50.99	+19 25 46.5	20.8 V	691	1996 XH ₃₆	1996 12 17.07603	03 36 51.54	+19 31 12.0	19.2 V	691
1996 XY ₃₅	* 1996 12 12.21941	03 41 27.49	+09 15 46.8	20.9 V	691	1996 XH ₃₆	1996 12 17.09824	03 36 50.40	+19 31 17.1	19.3 V	691
1996 XY ₃₅	1996 12 12.24116	03 41 26.40	+09 15 45.3	20.9 V	691	1996 XH ₃₆	1996 12 17.12955	03 36 48.68	+19 31 23.8	19.2 V	691
1996 XY ₃₅	1996 12 12.26312	03 41 25.31	+09 15 43.8	21.0 V	691	1996 XJ ₃₆	* 1996 12 13.24398	03 44 31.43	+19 13 07.1	20.2 V	691
1996 XY ₃₅	1996 12 14.19651	03 39 56.62	+09 13 35.7	21.3 V	691	1996 XJ ₃₆	1996 12 13.27360	03 44 29.83	+19 13 05.3	20.1 V	691
1996 XY ₃₅	1996 12 14.20460	03 39 56.24	+09 13 35.2	21.1 V	691	1996 XJ ₃₆	1996 12 13.29609	03 44 28.70	+19 13 03.4	19.9 V	691
1996 XZ ₃₅	* 1996 12 12.28298	03 38 23.25	+09 00 09.3	20.8 V	691	1996 XJ ₃₆	1996 12 17.07927	03 41 32.22	+19 09 16.5	20.1 V	691
1996 XZ ₃₅	1996 12 12.30444	03 38 22.14	+09 00 09.4	20.4 V	691	1996 XJ ₃₆	1996 12 17.10148	03 41 31.04	+19 09 13.9	20.2 V	691
1996 XZ ₃₅	1996 12 12.32552	03 38 21.04	+09 00 08.8	20.7 V	691	1996 XJ ₃₆	1996 12 17.13280	03 41 29.68	+19 09 12.1	19.9 V	691
1996 XZ ₃₅	1996 12 14.19434	03 36 49.23	+08 59 38.1	20.8 V	691	1996 XK ₃₆	* 1996 12 13.48833	08 48 17.66	+14 53 06.8	21.1 V	691
1996 XZ ₃₅	1996 12 14.20244	03 36 48.82	+08 59 38.1	21.0 V	691	1996 XK ₃₆	1996 12 13.51042	08 48 17.34	+14 53 09.2	21.1 V	691
1996 XA ₃₆	* 1996 12 12.28527	03 41 42.20	+08 53 09.4	19.5 V	691	1996 XK ₃₆	1996 12 13.53259	08 48 16.98	+14 53 11.5	20.8 V	691
1996 XA ₃₆	1996 12 12.30674	03 41 41.07	+08 53 11.8	19.5 V	691	1996 XK ₃₆	1996 12 17.33993	08 47 14.21	+15 01 13.8	21.0 V	691
1996 XA ₃₆	1996 12 12.32782	03 41 39.94	+08 53 13.5	19.5 V	691	1996 XK ₃₆	1996 12 17.36201	08 47 13.73	+15 01 14.6	20.2 V	691
1996 XA ₃₆	1996 12 14.19661	03 40 05.97	+08 56 11.0	19.3 V	691	1996 XK ₃₆	1996 12 17.38367	08 47 13.28	+15 01 19.7	21.1 V	691
1996 XA ₃₆	1996 12 14.20471	03 40 05.55	+08 56 11.5	19.4 V	691	1996 XL ₃₆	* 1996 12 14.21406	03 19 39.58	+18 46 13.0	21.1 V	691
1996 XB ₃₆	* 1996 12 12.28607	03 42 51.73	+08 56 15.5	21.6 V	691	1996 XL ₃₆	1996 12 14.23624	03 19 38.91	+18 46 08.4	21.3 V	691
1996 XB ₃₆	1996 12 12.30754	03 42 50.88	+08 56 12.9	21.3 V	691	1996 XL ₃₆	1996 12 14.26013	03 19 38.17	+18 46 03.7	21.5 V	691
1996 XB ₃₆	1996 12 12.32863	03 42 50.06	+08 56 10.6	21.0 V	691	1996 XL ₃₆	1996 12 17.14135	03 18 23.78	+18 37 25.1	21.0 V	691
1996 XB ₃₆	1996 12 14.19771	03 41 41.34	+08 52 49.2	21.3 V	691	1996 XL ₃₆	1996 12 17.16466	03 18 23.18	+18 37 20.9	20.8 V	691
1996 XB ₃₆	1996 12 14.20581	03 41 41.05	+08 52 48.7	21.4 V	691	1996 XL ₃₆	1996 12 17.18866	03 18 22.54	+18 37 17.2	20.9 V	691
1996 XC ₃₆	* 1996 12 12.42201	08 45 39.05	+15 30 16.5	19.9 V	691	1996 XM ₃₆	* 1996 12 14.21576	03 22 06.58	+18 53 18.8	21.4 V	691
1996 XC ₃₆	1996 12 12.44531	08 45 38.75	+15 30 18.9	20.2 V	691	1996 XM ₃₆	1996 12 14.23794	03 22 05.97	+18 53 14.6	21.6 V	691
1996 XC ₃₆	1996 12 12.47322	08 45 38.42	+15 30 22.2	20.1 V	691	1996 XM ₃₆	1996 12 14.26183	03 22 05.30	+18 53 09.2	21.5 V	691
1996 XC ₃₆	1996 12 15.35871	08 44 56.31	+15 36 22.5	20.6 V	691	1996 XM ₃₆	1996 12 17.14313	03 20 57.45	+18 44 10.6	21.1 V	691
1996 XC ₃₆	1996 12 15.38088	08 44 55.95	+15 36 25.7	20.6 V	691	1996 XM ₃₆	1996 12 17.16644	03 20 56.88	+18 44 06.4	21.4 V	691
1996 XC ₃₆	1996 12 15.40264	08 44 55.50	+15 36 28.6	20.8 V	691	1996 XM ₃₆	1996 12 17.19044	03 20 56.32	+18 44 02.5	20.8 V	691
1996 XD ₃₆	* 1996 12 12.42308	08 47 11.66	+15 08 12.0	20.0 V	691	1996 XN ₃₆	* 1996 12 14.21585	03 22 14.58	+18 52 23.7	20.0 V	691
1996 XD ₃₆	1996 12 12.44638	08 47 11.28	+15 08 04.1	20.0 V	691	1996 XN ₃₆	1996 12 14.23803	03 22 13.88	+18 52 16.5	20.2 V	691
1996 XD ₃₆	1996 12 12.47429	08 47 10.77	+15 07 54.9	20.3 V	691	1996 XN ₃₆	1996 12 14.26192	03 22 13.11	+18 52 08.4	20.1 V	691
1996 XD ₃₆	1996 12 17.36081	08 45 29.92	+14 42 12.7	20.3 V	691	1996 XN ₃₆	1996 12 17.14304	03 20 49.34	+18 36 40.1	20.1 V	691
1996 XD ₃₆	1996 12 17.38247	08 45 29.31	+14 42 06.6	20.1 V	691	1996 XN ₃₆	1996 12 17.16634	03 20 48.68	+18 36 32.7	20.0 V	691
1996 XE ₃₆	* 1996 12 13.22926	03 23 15.88	+19 08 33.1	18.0 V	691	1996 XN ₃₆	1996 12 17.19034	03 20 48.00	+18 36 25.2	19.9 V	691
1996 XE ₃₆	1996 12 13.25887	03 23 14.28	+19 08 33.3	17.7 V	691	1996 XO ₃₆	* 1996 12 14.21622	03 22 46.11	+18 58 45.3	19.4 V	691
1996 XE ₃₆	1996 12 13.28137	03 23 13.09	+19 08 33.7	17.7 V	691	1996 XO ₃₆	1996 12 14.23840	03 22 45.31	+18 58 42.0	19.4 V	691
1996 XE ₃₆	1996 12 17.06447	03 20 10.54	+19 10 00.4	17.8 V	691	1996 XO ₃₆	1996 12 14.26228	03 22 44.42	+18 58 37.5	19.4 V	691
1996 XE ₃₆	1996 12 17.08669	03 20 09.51	+19 10 01.2	17.9 V	691	1996 XO ₃₆	1996 12 17.14324	03 21 07.27	+18 50 52.6	19.3 V	691
1996 XE ₃₆	1996 12 17.11799	03 20 08.14	+19 10 02.6	17.7 V	691	1996 XO ₃₆	1996 12 17.16655	03 21 06.50	+18 50 48.9	19.2 V	691
1996 XF ₃₆	* 1996 12 13.23156	03 26 35.65	+19 24 25.8	20.2 V	691	1996 XO ₃₆	1996 12 17.19055	03 21 05.70	+18 50 45.5	19.2 V	691
1996 XF ₃₆	1996 12 13.26118	03 26 34.23	+19 24 24.4	20.0 V	691	1996 XP ₃₆	* 1996 12 14.21699	03 23 53.63	+18 59 35.6	20.6 V	691
1996 XF ₃₆	1996 12 13.28368	03 26 33.19	+19 24 23.6	20.2 V	691	1996 XP ₃₆	1996 12 14.23918	03 23 52.89	+18 59 24.6	20.3 V	691
1996 XF ₃₆	1996 12 17.06712	03 23 59.34	+19 22 49.6	20.1 V	691	1996 XP ₃₆	1996 12 14.26306	03 23 51.98	+18 59 14.1	20.8 V	691
1996 XF ₃₆	1996 12 17.08933	03 23 58.48	+19 22 49.6	20.2 V	691	1996 XP ₃₆	1996 12 17.14408	03 22 19.44	+18 37 43.8	20.7 V	691
1996 XF ₃₆	1996 12 17.12064	03 23 57.18	+19 22 49.2	20.1 V	691	1996 XP ₃₆	1996 12 17.16738	03 22 18.70	+18 37 33.8	20.7 V	691
1996 XG ₃₆	* 1996 12 13.23745	03 35 05.35	+19 12 35.0	20.8 V	691	1996 XP ₃₆	1996 12 17.19138	03 22 17.93	+18 37 23.4	20.9 V	691
1996 XG ₃₆	1996 12 13.28956	03 35 03.00	+19 12 15.2	21.0 V	691	1996 XQ ₃₆	* 1996 12 14.21901	03 26 48.57	+18 52 23.9	21.2 V	691
1996 XG ₃₆	1996 12 17.15109	03 32 27.35	+18 48 35.1	20.7 V	691	1996 XQ ₃₆	1996 12 14.24120	03 26 47.77	+18 52 21.7	21.5 V	691
1996 XG ₃₆	1996 12 17.17440	03 32 26.45	+18 48 26.9	20.8 V	691	1996 XQ ₃₆	1996 12 14.26508	03 26 46.92	+18 52 19.8	21.6 V	691
1996 XG ₃₆	1996 12 17.19839	03 32 25.49	+18 48 18.0	20.9 V	691	1996 XQ ₃₆	1996 12 17.14610	03 25 15.21	+18 48 48.0	21.5 V	691
1996 XH ₃₆	* 1996 12 13.24104	03 40 16.99	+19 17 19.6	19.1 V	691	1996 XQ ₃₆	1996 12 17.16941	03 25 14.47	+18 48 46.0	21.3 V	691
1996 XH ₃₆	1996 12 13.27066	03 40 15.23	+19 17 26.0	19.1 V	691	1996 XQ ₃₆	1996 12 17.19341	03 25 13.72	+18 48 44.1	21.2 V	691
1996 XH ₃₆	1996 12 13.29315	03 40 13.94	+19 17 30.7	19.0 V	691	1996 XR ₃₆	* 1996 12 14.22137	03 30 12.35	+18 42 25.8	21.2 V	691

1996 XR ₃₆	1996 12 14.24355	03 30 11.46	+18 42 23.4	21.3 V	691	1996 XA ₃₇	1996 12 15.46485	08 38 47.43	+14 05 45.3	20.6 V	691
1996 XR ₃₆	1996 12 14.26743	03 30 10.52	+18 42 20.4	21.7 V	691	1996 XA ₃₇	1996 12 17.40048	08 38 07.77	+14 01 25.2	20.4 V	691
1996 XR ₃₆	1996 12 17.14830	03 28 25.62	+18 37 18.9	21.1 V	691	1996 XA ₃₇	1996 12 17.42241	08 38 07.25	+14 01 22.6	21.0 V	691
1996 XR ₃₆	1996 12 17.17161	03 28 24.72	+18 37 16.6	21.0 V	691	1996 XA ₃₇	1996 12 17.44490	08 38 06.62	+14 01 19.8	20.7 V	691
1996 XR ₃₆	1996 12 17.19560	03 28 23.89	+18 37 14.9	21.2 V	691	1996 YU ₁	1997 01 06.28681	08 30 56.30	+20 59 41.6	17.4 V	691
1996 XS ₃₆	* 1996 12 14.22426	03 34 22.65	+18 56 27.2	19.2 V	691	1996 YU ₁	1997 01 06.31640	08 30 54.73	+20 59 56.3	17.6 V	691
1996 XS ₃₆	1996 12 14.24644	03 34 21.75	+18 56 24.5	19.3 V	691	1996 YU ₁	1997 01 06.33891	08 30 53.51	+21 00 08.1	17.5 V	691
1996 XS ₃₆	1996 12 14.27032	03 34 20.78	+18 56 20.8	19.3 V	691	1996 YJ ₃	* 1996 12 31.15994	03 20 30.32	+20 09 50.2	19.6 V	691
1996 XS ₃₆	1996 12 17.15115	03 32 32.23	+18 50 03.2	19.1 V	691	1996 YJ ₃	1996 12 31.18956	03 20 30.39	+20 09 54.6	19.5 V	691
1996 XS ₃₆	1996 12 17.17446	03 32 31.35	+18 50 00.4	19.1 V	691	1996 YJ ₃	1996 12 31.21834	03 20 30.45	+20 09 59.1		691
1996 XS ₃₆	1996 12 17.19845	03 32 30.46	+18 49 57.4	19.1 V	691	1996 YJ ₃	1997 01 08.11887	03 22 24.12	+20 33 09.6	20.8 V	691
1996 XT ₃₆	* 1996 12 14.22592	03 36 46.76	+18 43 52.1	20.5 V	691	1996 YJ ₃	1997 01 08.14529	03 22 24.56	+20 33 15.5	19.7 V	691
1996 XT ₃₆	1996 12 14.24810	03 36 45.90	+18 43 49.5	20.4 V	691	1996 YJ ₃	1997 01 08.16988	03 22 25.15	+20 33 18.8	19.6 V	691
1996 XT ₃₆	1996 12 17.15291	03 35 05.08	+18 38 29.4	20.1 V	691	1996 YO ₃	* 1996 12 31.16845	03 32 46.87	+20 25 42.3	19.8 V	691
1996 XT ₃₆	1996 12 17.17622	03 35 04.28	+18 38 26.7	20.0 V	691	1996 YO ₃	1996 12 31.19806	03 32 47.27	+20 25 32.3	19.5 V	691
1996 XT ₃₆	1996 12 17.20022	03 35 03.45	+18 38 24.2	20.1 V	691	1996 YO ₃	1996 12 31.22685	03 32 47.65	+20 25 22.2		691
1996 XU ₃₆	* 1996 12 14.22704	03 38 23.40	+18 48 35.4	18.9 V	691	1996 YO ₃	1997 01 09.08718	03 36 43.73	+19 43 24.9	20.1 V	691
1996 XU ₃₆	1996 12 14.24921	03 38 22.39	+18 48 36.0	19.2 V	691	1996 YO ₃	1997 01 09.10983	03 36 44.48	+19 43 19.9	20.0 V	691
1996 XU ₃₆	1996 12 14.27309	03 38 21.29	+18 48 36.5	19.6 V	691	1996 YO ₃	1997 01 09.13224	03 36 45.23	+19 43 14.7	20.0 V	691
1996 XU ₃₆	1996 12 17.15379	03 36 21.14	+18 50 04.1	18.7 V	691	1997 AN	1996 12 14.29256	08 17 51.23	+23 05 44.1	18.1 V	691
1996 XU ₃₆	1996 12 17.17710	03 36 20.18	+18 50 05.2	18.7 V	691	1997 AN	1996 12 14.31543	08 17 50.49	+23 05 46.7	17.8 V	691
1996 XU ₃₆	1996 12 17.20109	03 36 19.19	+18 50 06.1	19.1 V	691	1997 AN	1996 12 14.33853	08 17 49.74	+23 05 49.3	18.0 V	691
1996 XV ₃₆	* 1996 12 14.22812	03 39 57.22	+18 53 02.1	20.4 V	691	1997 AQ	1996 12 07.32736	08 48 22.78	+15 20 46.4	18.2 V	691
1996 XV ₃₆	1996 12 14.25030	03 39 56.52	+18 53 01.3	20.1 V	691	1997 AQ	1996 12 07.34900	08 48 23.00	+15 20 50.2	18.2 V	691
1996 XV ₃₆	1996 12 14.27418	03 39 55.55	+18 53 00.6	20.5 V	691	1997 AQ	1996 12 07.37070	08 48 23.21	+15 20 53.9	18.1 V	691
1996 XV ₃₆	1996 12 17.15528	03 38 29.96	+18 52 03.7	20.4 V	691	1997 AY	1996 12 03.40849	08 25 40.03	+23 05 52.8	18.0 V	691
1996 XV ₃₆	1996 12 17.17859	03 38 29.27	+18 52 03.7	20.3 V	691	1997 AY	1996 12 03.44148	08 25 39.56	+23 05 57.9	18.0 V	691
1996 XV ₃₆	1996 12 17.20258	03 38 28.54	+18 52 03.4	20.4 V	691	1997 AY	1996 12 03.46293	08 25 39.25	+23 06 00.8	18.0 V	691
1996 XW ₃₆	* 1996 12 14.22922	03 41 32.29	+18 50 34.1	19.5 V	691	1997 AY	1996 12 08.41316	08 24 17.30	+23 18 28.7	17.9 V	691
1996 XW ₃₆	1996 12 14.25140	03 41 31.34	+18 50 26.1	19.6 V	691	1997 AY	1996 12 08.43675	08 24 16.79	+23 18 32.5	17.9 V	691
1996 XW ₃₆	1996 12 14.27528	03 41 30.35	+18 50 16.8	19.4 V	691	1997 AY	1996 12 08.46003	08 24 16.31	+23 18 36.3	17.9 V	691
1996 XW ₃₆	1996 12 17.15611	03 39 42.06	+18 32 53.8	19.3 V	691	1997 AV ₁	1996 12 13.40455	08 37 45.04	+23 42 25.5	17.7 V	691
1996 XW ₃₆	1996 12 17.20341	03 39 40.29	+18 32 37.3	19.4 V	691	1997 AV ₁	1996 12 13.42773	08 37 44.47	+23 42 26.5	18.0 V	691
1996 XX ₃₆	* 1996 12 14.22968	03 42 12.90	+18 44 56.0	19.6 V	691	1997 AV ₁	1996 12 13.46598	08 37 43.53	+23 42 27.1	17.9 V	691
1996 XX ₃₆	1996 12 14.25186	03 42 11.97	+18 44 49.3	19.6 V	691	1997 AG ₃	* 1997 01 03.26119	08 06 38.20	+20 30 17.2	18.4 V	691
1996 XX ₃₆	1996 12 14.27574	03 42 11.00	+18 44 41.9	19.6 V	691	1997 AG ₃	1997 01 03.28333	08 06 37.15	+20 30 21.8	18.5 V	691
1996 XX ₃₆	1996 12 17.15657	03 40 21.56	+18 30 30.1	19.4 V	691	1997 AG ₃	1997 01 03.30562	08 06 36.10	+20 30 26.1	18.5 V	691
1996 XX ₃₆	1996 12 17.17987	03 40 20.68	+18 30 23.6	19.4 V	691	1997 AG ₃	1997 01 06.26874	08 04 16.04	+20 39 50.0	18.3 V	691
1996 XX ₃₆	1996 12 17.20387	03 40 19.76	+18 30 16.6	19.3 V	691	1997 AG ₃	1997 01 06.29834	08 04 14.58	+20 39 56.4	18.1 V	691
1996 XY ₃₆	* 1996 12 14.23001	03 42 40.75	+18 43 44.5	21.0 V	691	1997 AG ₃	1997 01 06.32086	08 04 13.48	+20 40 00.5	18.2 V	691
1996 XY ₃₆	1996 12 14.27606	03 42 38.50	+18 43 39.0	20.4 V	691	1997 AH ₃	* 1997 01 03.26408	08 10 48.79	+20 30 37.4	20.2 V	691
1996 XY ₃₆	1996 12 17.15664	03 40 28.10	+18 38 46.3	20.4 V	691	1997 AH ₃	1997 01 03.28622	08 10 47.74	+20 30 41.5	20.4 V	691
1996 XY ₃₆	1996 12 17.17995	03 40 27.07	+18 38 44.4	20.1 V	691	1997 AH ₃	1997 01 03.30851	08 10 46.67	+20 30 46.0	20.1 V	691
1996 XY ₃₆	1996 12 17.20394	03 40 25.98	+18 38 42.2	20.4 V	691	1997 AH ₃	1997 01 06.27122	08 08 25.41	+20 40 14.0	19.6 V	691
1996 XZ ₃₆	* 1996 12 15.41953	08 35 49.87	+14 02 26.7	19.7 V	691	1997 AH ₃	1997 01 06.30080	08 08 23.93	+20 40 20.5	19.8 V	691
1996 XZ ₃₆	1996 12 15.44120	08 35 49.62	+14 02 34.9	20.0 V	691	1997 AH ₃	1997 01 06.32332	08 08 22.81	+20 40 24.2	19.8 V	691
1996 XZ ₃₆	1996 12 15.46280	08 35 49.45	+14 02 41.8	20.2 V	691	1997 AJ ₃	* 1997 01 03.26425	08 11 03.26	+20 29 13.3	19.8 V	691
1996 XZ ₃₆	1996 12 17.39877	08 35 35.38	+14 14 12.5	19.5 V	691	1997 AJ ₃	1997 01 03.28639	08 11 02.25	+20 29 17.5	20.0 V	691
1996 XZ ₃₆	1996 12 17.42070	08 35 35.04	+14 14 20.7	19.7 V	691	1997 AJ ₃	1997 01 03.30868	08 11 01.22	+20 29 21.6	19.7 V	691
1996 XZ ₃₆	1996 12 17.44322	08 35 34.73	+14 14 29.0	19.8 V	691	1997 AJ ₃	1997 01 06.27144	08 08 44.20	+20 38 36.0	19.8 V	691
1996 XA ₃₇	* 1996 12 15.42159	08 38 48.28	+14 05 51.6	20.7 V	691	1997 AJ ₃	1997 01 06.30102	08 08 42.77	+20 38 41.5	19.6 V	691
1996 XA ₃₇	1996 12 15.44326	08 38 47.87	+14 05 48.9	21.1 V	691	1997 AJ ₃	1997 01 06.32354	08 08 41.67	+20 38 45.9	19.7 V	691

1997 AK ₃	* 1997 01 03.26476	08 11 47.84	+20 27 05.6	20.4 V	691	1997 AS ₃	1997 01 03.32099	08 28 47.01	+20 30 19.7	19.2 V	691
1997 AK ₃	1997 01 03.28690	08 11 46.80	+20 27 08.9	20.7 V	691	1997 AS ₃	1997 01 06.28336	08 25 57.03	+20 38 17.9	19.0 V	691
1997 AK ₃	1997 01 03.30920	08 11 45.76	+20 27 12.1	20.2 V	691	1997 AS ₃	1997 01 06.31294	08 25 55.18	+20 38 22.9	19.0 V	691
1997 AK ₃	1997 01 06.27192	08 09 26.25	+20 34 18.8	20.1 V	691	1997 AS ₃	1997 01 06.33545	08 25 53.79	+20 38 27.1	19.1 V	691
1997 AK ₃	1997 01 06.30151	08 09 24.77	+20 34 23.7	20.1 V	691	1997 AT ₃	* 1997 01 03.27834	08 31 24.19	+20 30 10.4	21.4 V	691
1997 AK ₃	1997 01 06.32402	08 09 23.62	+20 34 26.5	20.1 V	691	1997 AT ₃	1997 01 03.30049	08 31 23.27	+20 30 20.1	21.1 V	691
1997 AL ₃	* 1997 01 03.26602	08 13 37.09	+20 30 20.2	19.5 V	691	1997 AT ₃	1997 01 03.32278	08 31 22.33	+20 30 28.7	21.3 V	691
1997 AL ₃	1997 01 03.28816	08 13 35.92	+20 30 29.0	20.0 V	691	1997 AT ₃	1997 01 06.28569	08 29 19.38	+20 52 45.8	20.9 V	691
1997 AL ₃	1997 01 03.31045	08 13 34.75	+20 30 37.9	19.3 V	691	1997 AT ₃	1997 01 06.31528	08 29 17.97	+20 53 00.4	21.0 V	691
1997 AL ₃	1997 01 06.27297	08 10 57.27	+20 50 03.8	18.4 V	691	1997 AT ₃	1997 01 06.33780	08 29 16.97	+20 53 11.8	21.1 V	691
1997 AL ₃	1997 01 06.30255	08 10 55.57	+20 50 16.2	18.6 V	691	1997 AF ₄	1997 01 02.39926	09 20 18.06	+13 40 25.3	17.2 V	691
1997 AL ₃	1997 01 06.32507	08 10 54.28	+20 50 24.9	18.7 V	691	1997 AF ₄	1997 01 02.42280	09 20 17.57	+13 40 32.8	17.2 V	691
1997 AM ₃	* 1997 01 03.26644	08 14 13.02	+20 26 33.2	19.1 V	691	1997 AF ₄	1997 01 02.44588	09 20 17.12	+13 40 40.0	17.2 V	691
1997 AM ₃	1997 01 03.28858	08 14 11.83	+20 26 40.7	19.8 V	691	1997 AM ₄	1997 01 02.47167	09 22 43.62	+13 23 58.4	18.7 V	691
1997 AM ₃	1997 01 03.31087	08 14 10.61	+20 26 48.4	19.1 V	691	1997 AM ₄	1997 01 02.50200	09 22 42.74	+13 24 08.4	18.7 V	691
1997 AM ₃	1997 01 06.27335	08 11 30.01	+20 43 33.2	19.0 V	691	1997 AM ₄	1997 01 02.53240	09 22 41.88	+13 24 17.9	18.7 V	691
1997 AM ₃	1997 01 06.30293	08 11 28.28	+20 43 43.7	18.7 V	691	1997 AJ ₅	1997 01 09.35405	09 15 02.53	+22 28 56.9	17.5 V	691
1997 AM ₃	1997 01 06.32544	08 11 26.94	+20 43 51.4	18.8 V	691	1997 AJ ₅	1997 01 09.37665	09 15 01.45	+22 29 05.2	17.4 V	691
1997 AN ₃	* 1997 01 03.26761	08 15 54.36	+20 31 32.5	19.9 V	691	1997 AJ ₅	1997 01 09.39915	09 15 00.34	+22 29 12.9	17.5 V	691
1997 AN ₃	1997 01 03.28975	08 15 53.31	+20 31 36.1	20.6 V	691	1997 AK ₅	1997 01 10.28916	09 17 17.27	+21 08 26.0	18.5 V	691
1997 AN ₃	1997 01 03.31204	08 15 52.15	+20 31 39.5	20.3 V	691	1997 AK ₅	1997 01 10.31272	09 17 16.09	+21 08 29.5	18.5 V	691
1997 AN ₃	1997 01 06.27467	08 13 24.27	+20 38 58.2	19.5 V	691	1997 AK ₅	1997 01 10.33524	09 17 14.95	+21 08 32.7	18.3 V	691
1997 AN ₃	1997 01 06.30425	08 13 22.73	+20 39 03.1	19.5 V	691	1997 AM ₅	1997 01 09.35725	09 19 39.57	+22 20 53.5	16.8 V	691
1997 AN ₃	1997 01 06.32677	08 13 21.56	+20 39 06.4	19.5 V	691	1997 AM ₅	1997 01 09.37985	09 19 38.67	+22 20 58.9	17.0 V	691
1997 AN ₃	1997 01 12.18871	08 08 11.61	+20 53 51.2	20.6 V	691	1997 AM ₅	1997 01 09.40236	09 19 37.77	+22 21 04.5	17.5 V	691
1997 AN ₃	1997 01 12.23473	08 08 09.09	+20 53 59.1	20.7 V	691	1997 AO ₅	1997 01 09.35972	09 23 13.65	+22 18 44.9	17.9 V	691
1997 AO ₃	* 1997 01 03.26866	08 17 25.92	+20 17 03.4	20.8 V	691	1997 AO ₅	1997 01 09.38232	09 23 12.61	+22 18 53.0	17.9 V	691
1997 AO ₃	1997 01 03.29081	08 17 24.86	+20 17 12.7	21.2 V	691	1997 AO ₅	1997 01 09.40483	09 23 11.54	+22 19 01.3	17.9 V	691
1997 AO ₃	1997 01 03.31310	08 17 23.82	+20 17 21.4	20.8 V	691	1997 AR ₅	1997 01 10.29687	09 28 25.18	+21 16 38.6	17.1 V	691
1997 AO ₃	1997 01 06.27581	08 15 03.21	+20 37 01.3	20.9 V	691	1997 AR ₅	1997 01 10.32044	09 28 24.31	+21 16 51.6	17.1 V	691
1997 AO ₃	1997 01 06.30540	08 15 01.76	+20 37 13.6	20.7 V	691	1997 AR ₅	1997 01 10.34295	09 28 23.48	+21 17 03.8	17.2 V	691
1997 AO ₃	1997 01 06.32791	08 15 00.62	+20 37 22.4	20.6 V	691	1997 AS ₅	1997 01 09.36370	09 28 58.90	+22 14 25.0	18.0 V	691
1997 AP ₃	* 1997 01 03.26954	08 18 41.51	+20 19 53.3	19.8 V	691	1997 AS ₅	1997 01 09.38631	09 28 57.87	+22 14 27.4	18.0 V	691
1997 AP ₃	1997 01 03.29168	08 18 40.32	+20 20 01.5	20.5 V	691	1997 AS ₅	1997 01 09.40881	09 28 56.86	+22 14 30.1	18.0 V	691
1997 AP ₃	1997 01 03.31397	08 18 39.09	+20 20 09.7	19.9 V	691	1997 AW ₆	1997 01 10.28923	09 17 23.92	+21 00 11.1	18.6 V	691
1997 AP ₃	1997 01 06.27645	08 15 58.85	+20 38 19.1	19.6 V	691	1997 AW ₆	1997 01 10.31280	09 17 22.81	+21 00 16.1	18.6 V	691
1997 AP ₃	1997 01 06.30604	08 15 57.14	+20 38 30.2	19.6 V	691	1997 AW ₆	1997 01 10.33531	09 17 21.73	+21 00 20.6	18.7 V	691
1997 AP ₃	1997 01 06.32855	08 15 55.83	+20 38 38.5	19.4 V	691	1997 AZ ₆	1997 01 02.46397	09 11 36.80	+13 02 16.9	18.3 V	691
1997 AQ ₃	* 1997 01 03.27296	08 23 38.02	+20 19 26.6	20.5 V	691	1997 AZ ₆	1997 01 02.49430	09 11 35.69	+13 02 22.4	18.3 V	691
1997 AQ ₃	1997 01 03.29510	08 23 36.85	+20 19 36.1	21.7 V	691	1997 AZ ₆	1997 01 02.52470	09 11 34.57	+13 02 27.6	18.3 V	691
1997 AQ ₃	1997 01 03.31739	08 23 35.70	+20 19 45.7	20.7 V	691	1997 AD ₇	1997 01 02.46648	09 15 14.87	+13 11 49.8	17.7 V	691
1997 AQ ₃	1997 01 06.27995	08 21 01.59	+20 41 06.2	20.6 V	691	1997 AD ₇	1997 01 02.49681	09 15 13.63	+13 11 55.3	17.7 V	691
1997 AQ ₃	1997 01 06.30953	08 20 59.96	+20 41 20.2	20.3 V	691	1997 AD ₇	1997 01 02.52722	09 15 12.39	+13 12 00.8	17.6 V	691
1997 AQ ₃	1997 01 06.33205	08 20 58.70	+20 41 29.2	20.6 V	691	1997 AD ₇	1997 01 10.39348	09 09 23.33	+13 39 01.1	18.1 V	691
1997 AR ₃	* 1997 01 03.27451	08 25 52.85	+20 29 38.6	21.0 V	691	1997 AD ₇	1997 01 10.41561	09 09 22.20	+13 39 06.0	18.0 V	691
1997 AR ₃	1997 01 03.29666	08 25 51.71	+20 29 42.4	21.1 V	691	1997 AD ₇	1997 01 10.43745	09 09 21.09	+13 39 10.9	18.1 V	691
1997 AR ₃	1997 01 03.31895	08 25 50.57	+20 29 46.8	20.4 V	691	1997 AL ₇	1997 01 10.46072	09 11 01.77	+13 28 19.6	17.3 V	691
1997 AR ₃	1997 01 06.28150	08 23 15.96	+20 38 11.4	20.3 V	691	1997 AL ₇	1997 01 10.48232	09 11 00.80	+13 28 25.0	17.5 V	691
1997 AR ₃	1997 01 06.31108	08 23 14.27	+20 38 16.1	20.4 V	691	1997 AL ₇	1997 01 10.50408	09 10 59.81	+13 28 30.4	17.3 V	691
1997 AR ₃	1997 01 06.33360	08 23 13.03	+20 38 20.3	20.9 V	691	1997 AL ₇	1997 01 16.24823	09 06 27.76	+13 54 59.3	17.4 V	691
1997 AS ₃	* 1997 01 03.27655	08 28 49.57	+20 30 12.5	19.1 V	691	1997 AL ₇	1997 01 16.27052	09 06 26.56	+13 55 06.0	17.2 V	691
1997 AS ₃	1997 01 03.29870	08 28 48.29	+20 30 16.0	19.2 V	691	1997 AL ₇	1997 01 16.29584	09 06 25.23	+13 55 13.9	17.3 V	691

1997 AV ₇	* 1997 01 02.39444	09 13 20.63	+13 38 50.9	20.0 V	691	1997 AD ₈	1997 01 02.49779	09 16 38.64	+13 29 49.2	19.7 V	691
1997 AV ₇	1997 01 02.41798	09 13 19.82	+13 38 51.5	19.8 V	691	1997 AD ₈	1997 01 02.52820	09 16 37.57	+13 29 51.9	20.1 V	691
1997 AV ₇	1997 01 02.44105	09 13 19.03	+13 38 52.4	20.0 V	691	1997 AD ₈	1997 01 10.39490	09 11 25.80	+13 45 48.7	19.8 V	691
1997 AV ₇	1997 01 10.39296	09 08 21.35	+13 47 22.5	20.1 V	691	1997 AD ₈	1997 01 10.41702	09 11 24.76	+13 45 51.7	19.7 V	691
1997 AV ₇	1997 01 10.41510	09 08 20.38	+13 47 24.2	20.2 V	691	1997 AD ₈	1997 01 10.43886	09 11 23.73	+13 45 55.1	19.6 V	691
1997 AV ₇	1997 01 10.43694	09 08 19.39	+13 47 25.9	20.1 V	691	1997 AD ₈	1997 01 16.24834	09 06 46.13	+14 01 29.4	19.7 V	691
1997 AW ₇	* 1997 01 02.39554	09 14 55.67	+13 38 47.3	20.3 V	691	1997 AD ₈	1997 01 16.27063	09 06 44.95	+14 01 33.4	19.7 V	691
1997 AW ₇	1997 01 02.41907	09 14 54.70	+13 38 49.9	20.7 V	691	1997 AD ₈	1997 01 16.29594	09 06 43.65	+14 01 38.2	19.5 V	691
1997 AW ₇	1997 01 02.44215	09 14 53.72	+13 38 52.3	20.2 V	691	1997 AE ₈	* 1997 01 02.46770	09 16 59.97	+13 22 06.8	19.1 V	691
1997 AW ₇	1997 01 10.39314	09 08 52.47	+13 57 22.8	20.7 V	691	1997 AE ₈	1997 01 02.49803	09 16 59.21	+13 22 13.9	19.1 V	691
1997 AW ₇	1997 01 10.41528	09 08 51.30	+13 57 26.2	20.4 V	691	1997 AE ₈	1997 01 02.52844	09 16 58.44	+13 22 21.2	19.2 V	691
1997 AW ₇	1997 01 10.43711	09 08 50.17	+13 57 29.9	20.2 V	691	1997 AE ₈	1997 01 10.39595	09 12 57.39	+14 00 08.8	18.9 V	691
1997 AX ₇	* 1997 01 02.40391	09 27 00.77	+13 39 28.8	17.9 V	691	1997 AE ₈	1997 01 10.41808	09 12 56.50	+14 00 16.1	18.9 V	691
1997 AX ₇	1997 01 02.42745	09 27 00.10	+13 39 31.0	18.0 V	691	1997 AE ₈	1997 01 10.43992	09 12 55.62	+14 00 23.2	18.9 V	691
1997 AX ₇	1997 01 02.45052	09 26 59.47	+13 39 33.2	17.8 V	691	1997 AF ₈	* 1997 01 02.46793	09 17 19.86	+13 25 22.5	19.5 V	691
1997 AX ₇	1997 01 10.40264	09 22 36.59	+13 56 21.8	17.4 V	691	1997 AF ₈	1997 01 02.49826	09 17 19.15	+13 25 22.2	19.8 V	691
1997 AX ₇	1997 01 10.42477	09 22 35.67	+13 56 25.4	17.3 V	691	1997 AF ₈	1997 01 02.52867	09 17 18.43	+13 25 22.2	20.1 V	691
1997 AX ₇	1997 01 10.44661	09 22 34.76	+13 56 28.6	17.4 V	691	1997 AF ₈	1997 01 10.46245	09 13 32.71	+13 28 13.2	19.7 V	691
1997 AY ₇	* 1997 01 02.40418	09 27 24.48	+13 42 40.8	18.3 V	691	1997 AF ₈	1997 01 10.48406	09 13 31.94	+13 28 13.8	19.6 V	691
1997 AY ₇	1997 01 02.42772	09 27 23.59	+13 42 41.2	18.5 V	691	1997 AF ₈	1997 01 10.50582	09 13 31.14	+13 28 15.1	19.6 V	691
1997 AY ₇	1997 01 02.45079	09 27 22.73	+13 42 41.6	18.5 V	691	1997 AG ₈	* 1997 01 02.46862	09 18 19.45	+13 14 29.5	18.0 V	691
1997 AY ₇	1997 01 10.40205	09 21 45.47	+13 48 08.4	18.2 V	691	1997 AG ₈	1997 01 02.49895	09 18 18.37	+13 14 30.1	18.1 V	691
1997 AY ₇	1997 01 10.42418	09 21 44.36	+13 48 09.8	18.3 V	691	1997 AG ₈	1997 01 02.52935	09 18 17.28	+13 14 30.8	18.1 V	691
1997 AY ₇	1997 01 10.44601	09 21 43.26	+13 48 11.1	18.3 V	691	1997 AG ₈	1997 01 10.46198	09 12 51.56	+13 21 54.4	17.9 V	691
1997 AZ ₇	* 1997 01 02.40657	09 30 51.26	+13 49 34.6	19.5 V	691	1997 AG ₈	1997 01 10.48358	09 12 50.50	+13 21 56.0	17.9 V	691
1997 AZ ₇	1997 01 02.43011	09 30 50.49	+13 49 32.4	19.6 V	691	1997 AG ₈	1997 01 10.50534	09 12 49.43	+13 21 57.8	17.9 V	691
1997 AZ ₇	1997 01 02.45318	09 30 49.77	+13 49 30.3	19.6 V	691	1997 AH ₈	* 1997 01 02.46967	09 19 50.79	+13 08 47.1	17.8 V	691
1997 AZ ₇	1997 01 10.40485	09 25 48.05	+13 40 18.9	19.5 V	691	1997 AH ₈	1997 01 02.50000	09 19 50.00	+13 08 56.7	17.8 V	691
1997 AZ ₇	1997 01 10.42698	09 25 46.97	+13 40 18.2	19.5 V	691	1997 AH ₈	1997 01 02.53041	09 19 49.23	+13 09 06.2	18.0 V	691
1997 AZ ₇	1997 01 10.44881	09 25 45.94	+13 40 17.2	19.4 V	691	1997 AH ₈	1997 01 10.39786	09 15 42.20	+13 57 04.5	17.3 V	691
1997 AA ₈	* 1997 01 02.40731	09 31 55.72	+13 51 15.4	19.4 V	691	1997 AH ₈	1997 01 10.41998	09 15 41.31	+13 57 20.0	17.6 V	691
1997 AA ₈	1997 01 02.43085	09 31 55.12	+13 51 14.6	19.5 V	691	1997 AH ₈	1997 01 10.44182	09 15 40.42	+13 57 28.8	17.6 V	691
1997 AA ₈	1997 01 02.45393	09 31 54.58	+13 51 13.6	19.5 V	691	1997 AJ ₈	* 1997 01 02.46973	09 19 55.63	+13 20 21.2	20.5 V	691
1997 AA ₈	1997 01 10.40629	09 27 52.92	+13 52 12.6	19.3 V	691	1997 AJ ₈	1997 01 02.50006	09 19 54.70	+13 20 28.0	20.5 V	691
1997 AA ₈	1997 01 10.42842	09 27 51.99	+13 52 13.7	19.2 V	691	1997 AJ ₈	1997 01 02.53046	09 19 53.79	+13 20 34.7	21.1 V	691
1997 AA ₈	1997 01 10.45026	09 27 51.08	+13 52 14.6	19.2 V	691	1997 AJ ₈	1997 01 10.39751	09 15 12.59	+13 54 50.0	20.8 V	691
1997 AB ₈	* 1997 01 02.40872	09 33 57.60	+13 43 08.7	19.0 V	691	1997 AJ ₈	1997 01 10.41964	09 15 11.63	+13 54 56.2	20.5 V	691
1997 AB ₈	1997 01 02.43226	09 33 56.88	+13 43 10.0	19.1 V	691	1997 AJ ₈	1997 01 10.44148	09 15 10.67	+13 55 02.5	20.5 V	691
1997 AB ₈	1997 01 02.45534	09 33 56.22	+13 43 11.3	19.0 V	691	1997 AK ₈	* 1997 01 02.47143	09 22 23.65	+13 12 02.7	19.7 V	691
1997 AB ₈	1997 01 10.40736	09 29 25.65	+13 53 50.3	19.0 V	691	1997 AK ₈	1997 01 02.50177	09 22 22.93	+13 12 07.6	19.7 V	691
1997 AB ₈	1997 01 10.42949	09 29 24.74	+13 53 52.7	19.1 V	691	1997 AK ₈	1997 01 02.53218	09 22 22.22	+13 12 12.5	19.7 V	691
1997 AB ₈	1997 01 10.45133	09 29 23.87	+13 53 55.0	19.0 V	691	1997 AK ₈	1997 01 10.39985	09 18 34.84	+13 39 11.5	19.6 V	691
1997 AC ₈	* 1997 01 02.46600	09 14 32.76	+13 26 44.6	19.0 V	691	1997 AK ₈	1997 01 10.42198	09 18 33.92	+13 39 17.3	19.5 V	691
1997 AC ₈	1997 01 02.49633	09 14 31.68	+13 26 43.9	19.0 V	691	1997 AK ₈	1997 01 10.44382	09 18 33.18	+13 39 21.7	19.5 V	691
1997 AC ₈	1997 01 02.52673	09 14 30.59	+13 26 43.1	19.0 V	691	1997 AK ₈	1997 01 11.50212	09 17 53.98	+13 43 48.9	19.1 V	691
1997 AC ₈	1997 01 10.45954	09 09 19.31	+13 25 49.3	18.8 V	691	1997 AK ₈	1997 01 11.51021	09 17 53.66	+13 43 51.1	19.1 V	691
1997 AC ₈	1997 01 10.48114	09 09 18.34	+13 25 49.6	18.8 V	691	1997 AL ₈	* 1997 01 02.47155	09 22 33.64	+13 19 45.6	20.2 V	691
1997 AC ₈	1997 01 10.50290	09 09 17.34	+13 25 49.8	18.7 V	691	1997 AL ₈	1997 01 02.50188	09 22 32.62	+13 19 51.8	20.2 V	691
1997 AD ₈	1996 11 12.49207	09 12 39.52	+14 41 30.6	20.7 V	691	1997 AL ₈	1997 01 02.53229	09 22 31.61	+13 19 57.4	20.5 V	691
1997 AD ₈	1996 11 12.51363	09 12 40.37	+14 41 25.4	21.1 V	691	1997 AL ₈	1997 01 10.39921	09 17 39.60	+13 49 48.1	20.2 V	691
1997 AD ₈	1996 11 12.53513	09 12 41.23	+14 41 20.4	20.7 V	691	1997 AL ₈	1997 01 10.42134	09 17 38.64	+13 49 53.7	20.2 V	691
1997 AD ₈	* 1997 01 02.46746	09 16 39.72	+13 29 46.5	19.6 V	691						

1997 AL ₈	1997 01 10.44318	09 17 37.68	+13 49 58.9	20.3 V	691	1997 AS ₈	1997 01 10.42437	09 22 01.60	+13 38 45.5	20.6 V	691
1997 AM ₈	* 1997 01 02.47180	09 22 54.96	+13 10 02.9	19.4 V	691	1997 AS ₈	1997 01 10.44622	09 22 00.81	+13 38 52.5	20.6 V	691
1997 AM ₈	1997 01 02.50213	09 22 53.94	+13 10 11.8	19.3 V	691	1997 AT ₈	* 1997 01 02.47443	09 26 43.38	+13 21 05.4	20.6 V	691
1997 AM ₈	1997 01 02.53253	09 22 52.95	+13 10 20.3	19.4 V	691	1997 AT ₈	1997 01 02.50476	09 26 42.22	+13 21 04.4	20.4 V	691
1997 AM ₈	1997 01 10.39941	09 17 56.51	+13 52 52.2	19.2 V	691	1997 AT ₈	1997 01 02.53517	09 26 41.09	+13 21 03.7	20.5 V	691
1997 AM ₈	1997 01 10.42153	09 17 55.50	+13 53 00.1	19.2 V	691	1997 AT ₈	1997 01 10.46773	09 21 11.02	+13 21 00.0	20.6 V	691
1997 AM ₈	1997 01 10.44337	09 17 54.55	+13 53 07.6	19.1 V	691	1997 AT ₈	1997 01 10.48934	09 21 09.95	+13 21 00.3	20.6 V	691
1997 AN ₈	* 1997 01 02.47221	09 23 30.41	+13 32 00.2	20.9 V	691	1997 AT ₈	1997 01 10.51109	09 21 08.95	+13 21 00.6	20.8 V	691
1997 AN ₈	1997 01 02.50254	09 23 29.37	+13 32 01.5	20.7 V	691	1997 AU ₈	* 1997 01 02.47720	09 30 43.11	+13 13 51.1	20.5 V	691
1997 AN ₈	1997 01 02.53294	09 23 28.32	+13 32 00.5	21.4 V	691	1997 AU ₈	1997 01 02.50754	09 30 42.57	+13 13 53.4	20.5 V	691
1997 AN ₈	1997 01 10.39969	09 18 20.62	+13 37 54.5	21.2 V	691	1997 AU ₈	1997 01 02.53795	09 30 41.99	+13 13 55.3	19.9 V	691
1997 AN ₈	1997 01 10.42181	09 18 19.61	+13 37 56.3	21.1 V	691	1997 AU ₈	1997 01 10.47205	09 27 25.39	+13 31 21.5	20.5 V	691
1997 AN ₈	1997 01 10.44365	09 18 18.55	+13 37 57.5	21.3 V	691	1997 AU ₈	1997 01 10.49365	09 27 24.64	+13 31 25.0	20.2 V	691
1997 AN ₈	1997 01 11.50185	09 17 30.00	+13 39 17.1	21.8 V	691	1997 AU ₈	1997 01 10.51541	09 27 23.92	+13 31 28.5	20.3 V	691
1997 AN ₈	1997 01 11.50993	09 17 29.63	+13 39 18.3	21.7 V	691	1997 AU ₈	1997 01 17.27328	09 23 07.20	+13 54 11.9	20.2 V	691
1997 AN ₈	1997 01 11.51740	09 17 29.26	+13 39 19.1	21.5 V	691	1997 AU ₈	1997 01 17.29488	09 23 06.22	+13 54 17.5	20.0 V	691
1997 AO ₈	* 1997 01 02.47223	09 23 32.80	+13 19 24.1	20.2 V	691	1997 AU ₈	1997 01 17.31665	09 23 05.20	+13 54 22.5	20.0 V	691
1997 AO ₈	1997 01 02.50256	09 23 31.90	+13 19 27.0	20.1 V	691	1997 AV ₈	* 1997 01 02.47749	09 31 08.07	+13 28 54.8	20.7 V	691
1997 AO ₈	1997 01 02.53297	09 23 31.00	+13 19 29.5	20.3 V	691	1997 AV ₈	1997 01 02.50782	09 31 07.05	+13 28 58.5	20.9 V	691
1997 AO ₈	1997 01 10.40014	09 19 00.21	+13 34 25.8	20.2 V	691	1997 AV ₈	1997 01 02.53822	09 31 06.04	+13 29 01.9	21.2 V	691
1997 AO ₈	1997 01 10.42227	09 18 59.26	+13 34 28.8	20.2 V	691	1997 AV ₈	1997 01 10.40499	09 25 59.75	+13 49 45.2	21.1 V	691
1997 AO ₈	1997 01 10.44411	09 18 58.38	+13 34 31.5	20.2 V	691	1997 AV ₈	1997 01 10.42711	09 25 58.67	+13 49 49.4	21.1 V	691
1997 AO ₈	1997 01 11.50237	09 18 15.74	+13 37 02.3	20.1 V	691	1997 AV ₈	1997 01 10.44895	09 25 57.63	+13 49 53.9	21.0 V	691
1997 AO ₈	1997 01 11.51046	09 18 15.39	+13 37 03.5	20.1 V	691	1997 AW ₈	* 1997 01 02.47767	09 31 23.52	+13 27 38.8	18.1 V	691
1997 AO ₈	1997 01 11.51793	09 18 15.07	+13 37 04.9	20.0 V	691	1997 AW ₈	1997 01 02.50800	09 31 22.50	+13 27 32.3	18.1 V	691
1997 AO ₈	1997 01 17.28858	09 14 00.80	+13 52 32.5	19.9 V	691	1997 AW ₈	1997 01 02.53840	09 31 21.47	+13 27 25.6	18.1 V	691
1997 AO ₈	1997 01 17.31036	09 13 59.76	+13 52 36.3	19.8 V	691	1997 AW ₈	1997 01 10.47126	09 26 17.02	+13 01 41.1	17.2 V	691
1997 AP ₈	* 1997 01 02.47230	09 23 38.21	+13 16 35.8	21.1 V	691	1997 AW ₈	1997 01 10.49286	09 26 15.95	+13 01 36.9	17.4 V	691
1997 AP ₈	1997 01 02.50263	09 23 37.27	+13 16 45.1	20.8 V	691	1997 AW ₈	1997 01 10.51462	09 26 14.97	+13 01 32.9	17.4 V	691
1997 AP ₈	1997 01 02.53303	09 23 36.36	+13 16 54.0	21.4 V	691	1997 AW ₈	1997 01 11.44623	09 25 33.70	+12 58 50.4	17.6 V	691
1997 AP ₈	1997 01 10.40018	09 19 03.64	+14 01 27.1	21.6 V	691	1997 AW ₈	1997 01 11.46815	09 25 32.68	+12 58 46.4	17.5 V	691
1997 AP ₈	1997 01 10.42231	09 19 02.68	+14 01 34.7	21.6 V	691	1997 AW ₈	1997 01 11.49001	09 25 31.66	+12 58 42.7	17.5 V	691
1997 AP ₈	1997 01 10.44415	09 19 01.80	+14 01 42.6	21.3 V	691	1997 AX ₈	* 1997 01 02.47785	09 31 39.50	+13 16 15.7	20.0 V	691
1997 AQ ₈	* 1997 01 02.47305	09 24 43.29	+13 10 22.5	19.9 V	691	1997 AX ₈	1997 01 02.50818	09 31 38.54	+13 16 22.7	20.0 V	691
1997 AQ ₈	1997 01 02.50338	09 24 42.36	+13 10 29.7	20.0 V	691	1997 AX ₈	1997 01 02.53859	09 31 37.56	+13 16 30.0	20.0 V	691
1997 AQ ₈	1997 01 02.53378	09 24 41.34	+13 10 36.0	19.6 V	691	1997 AX ₈	1997 01 10.40549	09 26 43.31	+13 53 42.9	19.9 V	691
1997 AQ ₈	1997 01 10.40082	09 19 59.30	+13 44 11.3	20.2 V	691	1997 AX ₈	1997 01 10.42762	09 26 42.30	+13 53 50.1	20.0 V	691
1997 AQ ₈	1997 01 10.42295	09 19 58.36	+13 44 17.6	20.1 V	691	1997 AX ₈	1997 01 10.44945	09 26 41.30	+13 53 57.0	19.9 V	691
1997 AQ ₈	1997 01 10.44479	09 19 57.40	+13 44 23.8	20.0 V	691	1997 AY ₈	* 1997 01 02.47892	09 33 12.32	+13 05 11.8	20.2 V	691
1997 AR ₈	* 1997 01 02.47333	09 25 07.73	+13 13 05.4	20.1 V	691	1997 AY ₈	1997 01 02.50925	09 33 11.43	+13 05 19.6	20.3 V	691
1997 AR ₈	1997 01 02.50366	09 25 06.51	+13 13 03.8	20.0 V	691	1997 AY ₈	1997 01 02.53966	09 33 10.52	+13 05 27.5	20.3 V	691
1997 AR ₈	1997 01 02.53406	09 25 05.30	+13 13 02.8	20.3 V	691	1997 AY ₈	1997 01 10.40683	09 28 39.88	+13 44 49.2	21.0 V	691
1997 AR ₈	1997 01 10.46639	09 19 14.58	+13 11 28.6	20.1 V	691	1997 AY ₈	1997 01 10.42896	09 28 38.93	+13 44 56.6	20.7 V	691
1997 AR ₈	1997 01 10.48800	09 19 13.48	+13 11 28.7	19.7 V	691	1997 AY ₈	1997 01 10.45080	09 28 38.02	+13 45 03.7	20.6 V	691
1997 AR ₈	1997 01 10.50975	09 19 12.39	+13 11 28.8	20.0 V	691	1997 AY ₈	1997 01 16.30969	09 24 18.68	+14 19 36.2	20.6 V	691
1997 AR ₈	1997 01 16.26623	09 14 10.65	+13 13 39.4	19.7 V	691	1997 AY ₈	1997 01 16.32521	09 24 17.93	+14 19 42.1	20.7 V	691
1997 AR ₈	1997 01 16.29075	09 14 09.25	+13 13 40.2	19.6 V	691	1997 AY ₈	1997 01 16.33869	09 24 17.21	+14 19 47.6	20.4 V	691
1997 AR ₈	1997 01 16.31678	09 14 07.78	+13 13 41.2	19.9 V	691	1997 AZ ₈	* 1997 01 02.47926	09 33 41.90	+13 17 16.5	20.8 V	691
1997 AS ₈	* 1997 01 02.47369	09 25 38.76	+13 01 54.1	20.2 V	691	1997 AZ ₈	1997 01 02.50960	09 33 41.14	+13 17 20.3	21.0 V	691
1997 AS ₈	1997 01 02.50402	09 25 38.04	+13 02 01.4	20.9 V	691	1997 AZ ₈	1997 01 02.54000	09 33 40.28	+13 17 24.8	21.1 V	691
1997 AS ₈	1997 01 02.53443	09 25 37.39	+13 02 08.1	20.5 V	691	1997 AZ ₈	1997 01 10.40733	09 29 23.06	+13 42 16.9	21.8 V	691
1997 AS ₈	1997 01 10.40225	09 22 02.40	+13 38 38.3	20.4 V	691	1997 AZ ₈	1997 01 10.42946	09 29 22.10	+13 42 22.2	21.3 V	691

1997 AZ ₈	1997 01 10.45130	09 29 21.19	+13 42 27.4	21.2 V	691	1997 AH ₉	* 1997 01 02.48147	09 36 52.79	+13 10 22.6	21.0 V	691
1997 AA ₉	* 1997 01 02.47974	09 34 23.38	+13 32 25.7	19.6 V	691	1997 AH ₉	1997 01 02.51180	09 36 52.10	+13 10 26.8	20.5 V	691
1997 AA ₉	1997 01 02.51007	09 34 22.48	+13 32 26.3	19.5 V	691	1997 AH ₉	1997 01 02.54221	09 36 51.40	+13 10 29.9	20.5 V	691
1997 AA ₉	1997 01 02.54048	09 34 21.60	+13 32 26.7	19.5 V	691	1997 AH ₉	1997 01 10.47612	09 33 18.68	+13 29 17.4	20.6 V	691
1997 AA ₉	1997 01 10.40775	09 29 59.26	+13 38 17.4	19.4 V	691	1997 AH ₉	1997 01 10.49772	09 33 17.97	+13 29 20.7	20.4 V	691
1997 AA ₉	1997 01 10.42988	09 29 58.36	+13 38 18.9	19.6 V	691	1997 AH ₉	1997 01 10.51948	09 33 17.28	+13 29 24.3	20.7 V	691
1997 AA ₉	1997 01 10.45172	09 29 57.51	+13 38 20.3	19.6 V	691	1997 AJ ₉	* 1997 01 02.48155	09 36 59.80	+13 13 35.9	19.0 V	691
1997 AA ₉	1997 01 17.27473	09 25 12.46	+13 47 33.3	19.3 V	691	1997 AJ ₉	1997 01 02.51188	09 36 59.11	+13 13 40.1	19.0 V	691
1997 AA ₉	1997 01 17.29632	09 25 11.45	+13 47 35.8	19.3 V	691	1997 AJ ₉	1997 01 02.54229	09 36 58.42	+13 13 44.5	19.1 V	691
1997 AA ₉	1997 01 17.31810	09 25 10.43	+13 47 37.8	19.3 V	691	1997 AJ ₉	1997 01 10.41016	09 33 27.57	+13 38 24.7	20.8 V	691
1997 AB ₉	* 1997 01 02.48025	09 35 07.43	+13 24 03.7	20.9 V	691	1997 AJ ₉	1997 01 10.43228	09 33 26.73	+13 38 29.8	20.9 V	691
1997 AB ₉	1997 01 02.51059	09 35 06.81	+13 24 11.3	20.8 V	691	1997 AJ ₉	1997 01 10.45412	09 33 25.90	+13 38 34.5	20.8 V	691
1997 AB ₉	1997 01 02.54100	09 35 06.20	+13 24 19.2	21.0 V	691	1997 AK ₉	* 1997 01 02.48196	09 37 35.66	+13 14 46.4	19.0 V	691
1997 AB ₉	1997 01 10.40915	09 32 00.39	+14 02 14.4	20.6 V	691	1997 AK ₉	1997 01 02.51230	09 37 35.01	+13 14 46.5	18.5 V	691
1997 AB ₉	1997 01 10.43128	09 31 59.68	+14 02 21.4	20.8 V	691	1997 AK ₉	1997 01 02.54271	09 37 34.36	+13 14 47.0	17.9 V	691
1997 AB ₉	1997 01 10.45312	09 31 59.08	+14 02 28.6	20.8 V	691	1997 AK ₉	1997 01 10.47656	09 33 56.84	+13 22 28.6	17.6 V	691
1997 AC ₉	* 1997 01 02.48093	09 36 05.92	+13 19 59.9	19.3 V	691	1997 AK ₉	1997 01 10.49816	09 33 56.01	+13 22 30.5	17.8 V	691
1997 AC ₉	1997 01 02.51126	09 36 04.78	+13 19 56.2	19.5 V	691	1997 AK ₉	1997 01 10.51992	09 33 55.20	+13 22 32.7	18.0 V	691
1997 AC ₉	1997 01 02.54166	09 36 03.64	+13 19 52.5	19.6 V	691	1997 AL ₉	* 1997 01 02.48209	09 37 46.49	+13 18 06.6	19.7 V	691
1997 AC ₉	1997 01 10.47413	09 30 26.30	+13 07 23.4	19.3 V	691	1997 AL ₉	1997 01 02.51242	09 37 46.03	+13 18 09.5	19.7 V	691
1997 AC ₉	1997 01 10.49573	09 30 25.22	+13 07 21.9	19.4 V	691	1997 AL ₉	1997 01 02.54284	09 37 45.57	+13 18 12.9	19.7 V	691
1997 AC ₉	1997 01 10.51749	09 30 24.12	+13 07 20.2	19.3 V	691	1997 AL ₉	1997 01 10.41124	09 35 01.33	+13 38 19.0	19.8 V	691
1997 AC ₉	1997 01 17.40089	09 24 17.12	+13 01 13.7	19.1 V	691	1997 AL ₉	1997 01 10.43337	09 35 00.60	+13 38 23.8	19.6 V	691
1997 AC ₉	1997 01 17.42249	09 24 15.85	+13 01 12.6	19.3 V	691	1997 AL ₉	1997 01 10.45521	09 34 59.92	+13 38 28.0	19.6 V	691
1997 AC ₉	1997 01 17.44528	09 24 14.52	+13 01 11.7	19.5 V	691	1997 AM ₉	* 1997 01 02.48229	09 38 04.32	+13 20 00.1	20.6 V	691
1997 AD ₉	* 1997 01 02.48096	09 36 08.86	+13 29 57.7	20.3 V	691	1997 AM ₉	1997 01 02.51263	09 38 03.80	+13 20 06.5	20.6 V	691
1997 AD ₉	1997 01 02.51129	09 36 07.94	+13 29 58.9	20.3 V	691	1997 AM ₉	1997 01 02.54304	09 38 03.29	+13 20 13.3	20.9 V	691
1997 AD ₉	1997 01 02.54170	09 36 07.05	+13 30 00.0	20.4 V	691	1997 AM ₉	1997 01 10.41149	09 35 22.97	+13 56 12.4	21.3 V	691
1997 AD ₉	1997 01 10.40888	09 31 37.17	+13 39 15.2	20.3 V	691	1997 AM ₉	1997 01 10.43362	09 35 22.24	+13 56 19.4	21.3 V	691
1997 AD ₉	1997 01 10.43101	09 31 36.25	+13 39 17.4	20.3 V	691	1997 AM ₉	1997 01 10.45546	09 35 21.55	+13 56 27.2	21.5 V	691
1997 AD ₉	1997 01 10.45285	09 31 35.33	+13 39 19.6	20.4 V	691	1997 AN ₉	* 1997 01 02.48244	09 38 17.03	+13 22 27.7	20.8 V	691
1997 AD ₉	1997 01 17.27567	09 26 33.97	+13 52 15.4	20.0 V	691	1997 AN ₉	1997 01 02.51277	09 38 16.23	+13 22 29.5	21.1 V	691
1997 AD ₉	1997 01 17.29726	09 26 32.91	+13 52 18.4	19.9 V	691	1997 AN ₉	1997 01 02.54318	09 38 15.37	+13 22 31.7	20.8 V	691
1997 AD ₉	1997 01 17.31904	09 26 31.81	+13 52 21.3	19.8 V	691	1997 AN ₉	1997 01 10.41072	09 34 16.28	+13 34 22.9	20.9 V	691
1997 AE ₉	* 1997 01 02.48115	09 36 25.36	+13 17 47.0	18.8 V	691	1997 AN ₉	1997 01 10.43285	09 34 15.53	+13 34 25.4	20.8 V	691
1997 AE ₉	1997 01 02.51148	09 36 24.57	+13 17 51.1	18.9 V	691	1997 AN ₉	1997 01 10.45469	09 34 14.74	+13 34 27.9	20.9 V	691
1997 AE ₉	1997 01 02.54189	09 36 23.80	+13 17 55.3	19.0 V	691	1997 AO ₉	* 1997 01 02.48269	09 38 38.42	+13 30 56.3	20.6 V	691
1997 AE ₉	1997 01 10.40949	09 32 30.01	+13 40 00.0	18.7 V	691	1997 AO ₉	1997 01 02.51302	09 38 37.70	+13 31 00.8	20.6 V	691
1997 AE ₉	1997 01 10.43162	09 32 29.20	+13 40 04.3	18.9 V	691	1997 AO ₉	1997 01 02.54343	09 38 36.94	+13 31 05.8	20.2 V	691
1997 AE ₉	1997 01 10.45346	09 32 28.39	+13 40 08.9	18.9 V	691	1997 AO ₉	1997 01 10.41111	09 34 50.58	+13 55 59.2	20.4 V	691
1997 AF ₉	* 1997 01 02.48118	09 36 27.91	+13 23 50.1	20.4 V	691	1997 AO ₉	1997 01 10.43324	09 34 49.79	+13 56 03.9	20.4 V	691
1997 AF ₉	1997 01 02.51151	09 36 27.11	+13 23 54.3	19.8 V	691	1997 AO ₉	1997 01 10.45508	09 34 49.02	+13 56 08.7	20.6 V	691
1997 AF ₉	1997 01 02.54192	09 36 26.33	+13 23 59.4	20.1 V	691	1997 AO ₉	1997 01 11.33210	09 34 18.94	+13 59 20.3	20.2 V	691
1997 AF ₉	1997 01 10.40949	09 32 30.35	+13 47 24.2	19.9 V	691	1997 AO ₉	1997 01 11.33778	09 34 18.72	+13 59 21.6	20.2 V	691
1997 AF ₉	1997 01 10.43162	09 32 29.55	+13 47 28.9	19.9 V	691	1997 AO ₉	1997 01 11.34867	09 34 18.34	+13 59 24.2	20.2 V	691
1997 AF ₉	1997 01 10.45347	09 32 28.78	+13 47 33.6	20.2 V	691	1997 AP ₉	* 1997 01 03.33173	09 14 09.14	+12 56 25.6	19.7 V	691
1997 AG ₉	* 1997 01 02.48144	09 36 50.74	+13 18 12.5	20.1 V	691	1997 AP ₉	1997 01 03.35314	09 14 08.41	+12 56 26.8	19.5 V	691
1997 AG ₉	1997 01 02.51178	09 36 49.87	+13 18 10.7	20.2 V	691	1997 AP ₉	1997 01 03.37488	09 14 07.65	+12 56 27.5	19.5 V	691
1997 AG ₉	1997 01 02.54218	09 36 49.01	+13 18 09.2	20.3 V	691	1997 AP ₉	1997 01 10.45976	09 09 38.86	+13 03 05.3	19.7 V	691
1997 AG ₉	1997 01 10.47552	09 32 27.38	+13 14 56.0	20.2 V	691	1997 AP ₉	1997 01 10.48136	09 09 37.78	+13 03 07.3	19.2 V	691
1997 AG ₉	1997 01 10.49713	09 32 26.51	+13 14 55.5	20.1 V	691	1997 AP ₉	1997 01 10.50312	09 09 36.81	+13 03 08.7	19.0 V	691
1997 AG ₉	1997 01 10.51889	09 32 25.64	+13 14 55.9	20.3 V	691	1997 AQ ₉	* 1997 01 03.33175	09 14 10.77	+12 57 55.3	20.8 V	691

1997 AQ ₉	1997 01 03.35316	09 14 10.22	+12 58 04.6	20.9 V	691	1997 AW ₉	1997 01 11.51861	09 19 13.84	+13 35 35.9	20.3 V	691
1997 AQ ₉	1997 01 03.37490	09 14 09.64	+12 58 14.1	20.8 V	691	1997 AX ₉	* 1997 01 03.33837	09 23 44.27	+13 00 17.7	20.0 V	691
1997 AQ ₉	1997 01 10.39438	09 10 41.26	+13 51 49.8	20.3 V	691	1997 AX ₉	1997 01 03.35978	09 23 43.65	+13 00 20.2	20.1 V	691
1997 AQ ₉	1997 01 10.41651	09 10 40.46	+13 52 00.6	20.6 V	691	1997 AX ₉	1997 01 03.38152	09 23 43.03	+13 00 22.7	19.7 V	691
1997 AQ ₉	1997 01 10.43835	09 10 39.68	+13 52 11.1	20.6 V	691	1997 AX ₉	1997 01 10.46683	09 19 52.19	+13 17 29.1	19.5 V	691
1997 AR ₉	* 1997 01 03.33249	09 15 14.54	+12 30 38.0	20.9 V	691	1997 AX ₉	1997 01 10.48843	09 19 51.33	+13 17 32.8	19.3 V	691
1997 AR ₉	1997 01 03.35389	09 15 14.06	+12 30 47.9	20.7 V	691	1997 AX ₉	1997 01 10.51019	09 19 50.51	+13 17 36.3	19.3 V	691
1997 AR ₉	1997 01 03.37564	09 15 13.58	+12 30 57.4	20.6 V	691	1997 AX ₉	1997 01 11.50303	09 19 12.90	+13 20 28.0	19.5 V	691
1997 AR ₉	1997 01 10.46150	09 12 10.25	+13 28 49.4	20.1 V	691	1997 AX ₉	1997 01 11.51112	09 19 12.58	+13 20 29.4	19.6 V	691
1997 AR ₉	1997 01 10.48311	09 12 09.53	+13 29 00.8	20.4 V	691	1997 AX ₉	1997 01 11.51859	09 19 12.29	+13 20 30.6	19.5 V	691
1997 AR ₉	1997 01 10.50487	09 12 08.78	+13 29 12.0	20.1 V	691	1997 AX ₉	1997 01 17.26781	09 15 13.40	+13 38 56.9	19.3 V	691
1997 AS ₉	1996 11 05.49260	09 02 42.11	+14 08 56.5	20.0 V	691	1997 AX ₉	1997 01 17.28941	09 15 12.43	+13 39 01.5	19.2 V	691
1997 AS ₉	1996 11 05.50770	09 02 42.93	+14 08 52.8	20.0 V	691	1997 AX ₉	1997 01 17.31118	09 15 11.41	+13 39 06.0	19.3 V	691
1997 AS ₉	1996 11 05.52288	09 02 43.72	+14 08 48.8	20.1 V	691	1997 AY ₉	* 1997 01 03.34024	09 26 26.18	+12 44 43.7	20.4 V	691
1997 AS ₉	* 1997 01 03.33346	09 16 38.61	+12 42 20.5	19.8 V	691	1997 AY ₉	1997 01 03.36164	09 26 25.45	+12 44 46.4	20.8 V	691
1997 AS ₉	1997 01 03.35486	09 16 37.80	+12 42 23.9	19.9 V	691	1997 AY ₉	1997 01 03.38338	09 26 24.70	+12 44 50.4	20.6 V	691
1997 AS ₉	1997 01 03.37660	09 16 37.00	+12 42 27.1	19.6 V	691	1997 AY ₉	1997 01 10.46834	09 22 03.78	+13 09 07.1	20.4 V	691
1997 AS ₉	1997 01 10.46127	09 11 49.63	+13 04 48.7	19.3 V	691	1997 AY ₉	1997 01 10.48995	09 22 02.87	+13 09 12.0	20.2 V	691
1997 AS ₉	1997 01 10.48287	09 11 48.59	+13 04 53.5	19.2 V	691	1997 AY ₉	1997 01 10.51171	09 22 01.94	+13 09 16.6	20.2 V	691
1997 AS ₉	1997 01 10.50463	09 11 47.55	+13 04 58.1	19.1 V	691	1997 AZ ₉	* 1997 01 03.34089	09 27 22.46	+12 33 37.8	20.8 V	691
1997 AT ₉	* 1997 01 03.33445	09 18 04.25	+12 31 50.4	21.5 V	691	1997 AZ ₉	1997 01 03.36229	09 27 21.67	+12 33 42.3	20.5 V	691
1997 AT ₉	1997 01 03.35585	09 18 03.41	+12 31 56.9	21.0 V	691	1997 AZ ₉	1997 01 03.38403	09 27 20.87	+12 33 47.8	20.3 V	691
1997 AT ₉	1997 01 03.37759	09 18 02.52	+12 32 03.2	20.8 V	691	1997 AZ ₉	1997 01 10.46864	09 22 29.76	+13 03 52.3	20.2 V	691
1997 AT ₉	1997 01 10.46197	09 12 50.93	+13 10 17.1	19.8 V	691	1997 AZ ₉	1997 01 10.49024	09 22 28.67	+13 03 58.7	19.9 V	691
1997 AT ₉	1997 01 10.48358	09 12 49.81	+13 10 24.8	19.6 V	691	1997 AZ ₉	1997 01 10.51200	09 22 27.69	+13 04 04.1	20.2 V	691
1997 AT ₉	1997 01 10.50533	09 12 48.68	+13 10 32.5	19.6 V	691	1997 AZ ₉	1997 01 17.26885	09 16 43.06	+13 38 54.8	19.9 V	691
1997 AU ₉	* 1997 01 03.33566	09 19 49.25	+12 52 36.1	18.5 V	691	1997 AZ ₉	1997 01 17.29044	09 16 41.83	+13 39 02.1	19.8 V	691
1997 AU ₉	1997 01 03.35706	09 19 48.59	+12 52 40.0	18.5 V	691	1997 AZ ₉	1997 01 17.31221	09 16 40.59	+13 39 09.6	19.7 V	691
1997 AU ₉	1997 01 03.37880	09 19 47.88	+12 52 43.7	18.1 V	691	1997 AA ₁₀	* 1997 01 03.34170	09 28 32.94	+12 51 06.7	20.6 V	691
1997 AU ₉	1997 01 10.46382	09 15 31.49	+13 18 10.8	17.9 V	691	1997 AA ₁₀	1997 01 03.36311	09 28 32.25	+12 51 09.1	20.6 V	691
1997 AU ₉	1997 01 10.48543	09 15 30.54	+13 18 16.1	17.8 V	691	1997 AA ₁₀	1997 01 03.38485	09 28 31.54	+12 51 11.8	20.6 V	691
1997 AU ₉	1997 01 10.50719	09 15 29.57	+13 18 21.3	17.9 V	691	1997 AA ₁₀	1997 01 10.46985	09 24 15.02	+13 09 03.9	20.6 V	691
1997 AV ₉	* 1997 01 03.33790	09 23 03.71	+12 51 31.6	20.8 V	691	1997 AA ₁₀	1997 01 10.49146	09 24 14.14	+13 09 08.0	20.1 V	691
1997 AV ₉	1997 01 03.35931	09 23 02.92	+12 51 36.0	21.3 V	691	1997 AA ₁₀	1997 01 10.51322	09 24 13.24	+13 09 11.2	20.1 V	691
1997 AV ₉	1997 01 03.38105	09 23 02.14	+12 51 40.3	20.8 V	691	1997 AA ₁₀	1997 01 17.39726	09 19 03.28	+13 31 41.8	20.1 V	691
1997 AV ₉	1997 01 10.46583	09 18 25.80	+13 18 05.8	20.9 V	691	1997 AA ₁₀	1997 01 17.41887	09 19 02.22	+13 31 46.4	20.1 V	691
1997 AV ₉	1997 01 10.48744	09 18 24.87	+13 18 11.1	20.2 V	691	1997 AA ₁₀	1997 01 17.44166	09 19 01.05	+13 31 51.9	20.3 V	691
1997 AV ₉	1997 01 10.50919	09 18 23.92	+13 18 16.2	20.6 V	691	1997 AB ₁₀	* 1997 01 03.34446	09 32 31.48	+12 49 42.7	21.3 V	691
1997 AV ₉	1997 01 11.50197	09 17 40.84	+13 22 21.9	20.5 V	691	1997 AB ₁₀	1997 01 03.36586	09 32 31.01	+12 49 47.1	21.4 V	691
1997 AV ₉	1997 01 11.51006	09 17 40.45	+13 22 23.8	20.5 V	691	1997 AB ₁₀	1997 01 03.38761	09 32 30.55	+12 49 52.7	21.1 V	691
1997 AV ₉	1997 01 11.51753	09 17 40.11	+13 22 25.8	20.5 V	691	1997 AB ₁₀	1997 01 10.47342	09 29 24.84	+13 20 38.6	20.8 V	691
1997 AV ₉	1997 01 17.26643	09 13 13.78	+13 47 36.1	20.1 V	691	1997 AB ₁₀	1997 01 10.51679	09 29 23.37	+13 20 51.1	20.9 V	691
1997 AV ₉	1997 01 17.28803	09 13 12.68	+13 47 42.2	20.2 V	691	1997 AC ₁₀	* 1997 01 03.34450	09 32 34.85	+12 47 37.5	20.1 V	691
1997 AV ₉	1997 01 17.30980	09 13 11.60	+13 47 48.1	20.2 V	691	1997 AC ₁₀	1997 01 03.36590	09 32 34.29	+12 47 40.1	19.8 V	691
1997 AW ₉	* 1997 01 03.33828	09 23 36.79	+12 46 41.3	20.9 V	691	1997 AC ₁₀	1997 01 03.38764	09 32 33.73	+12 47 43.4	20.1 V	691
1997 AW ₉	1997 01 03.35969	09 23 36.22	+12 46 48.4	21.1 V	691	1997 AC ₁₀	1997 01 10.47318	09 29 03.39	+13 07 07.5	19.7 V	691
1997 AW ₉	1997 01 03.38143	09 23 35.61	+12 46 55.0	20.7 V	691	1997 AC ₁₀	1997 01 10.49478	09 29 02.61	+13 07 11.7	19.9 V	691
1997 AW ₉	1997 01 10.46684	09 19 53.25	+13 28 43.6	20.2 V	691	1997 AC ₁₀	1997 01 10.51654	09 29 01.80	+13 07 15.8	19.6 V	691
1997 AW ₉	1997 01 10.48844	09 19 52.43	+13 28 52.3	20.4 V	691	1997 AD ₁₀	* 1997 01 03.34465	09 32 48.49	+12 47 29.2	20.7 V	691
1997 AW ₉	1997 01 10.51020	09 19 51.57	+13 29 00.3	20.6 V	691	1997 AD ₁₀	1997 01 03.36606	09 32 47.77	+12 47 32.7	20.2 V	691
1997 AW ₉	1997 01 11.50305	09 19 14.46	+13 35 29.8	20.2 V	691	1997 AD ₁₀	1997 01 03.38780	09 32 47.05	+12 47 37.9	20.3 V	691
1997 AW ₉	1997 01 11.51114	09 19 14.15	+13 35 33.0	20.2 V	691	1997 AD ₁₀	1997 01 10.47270	09 28 21.95	+13 14 48.2	19.5 V	691

1997 AD ₁₀	1997 01 10.49430	09 28 20.99	+13 14 53.7	19.6 V	691	1997 AL ₁₀	* 1997 01 09.21701	08 12 58.27	+19 34 02.3	18.7 V	691
1997 AD ₁₀	1997 01 10.51606	09 28 20.05	+13 14 59.0	19.6 V	691	1997 AL ₁₀	1997 01 09.23925	08 12 56.96	+19 34 06.3	18.7 V	691
1997 AD ₁₀	1997 01 17.27328	09 23 06.64	+13 46 15.3	19.0 V	691	1997 AL ₁₀	1997 01 09.26146	08 12 55.63	+19 34 10.2	18.7 V	691
1997 AD ₁₀	1997 01 17.29487	09 23 05.53	+13 46 22.2	19.0 V	691	1997 AL ₁₀	1997 01 10.23814	08 11 58.69	+19 36 54.2	18.3 V	691
1997 AD ₁₀	1997 01 17.31664	09 23 04.40	+13 46 28.6	18.9 V	691	1997 AL ₁₀	1997 01 10.24384	08 11 58.35	+19 36 55.3	18.3 V	691
1997 AE ₁₀	* 1997 01 03.34564	09 34 14.03	+13 00 39.0	20.3 V	691	1997 AL ₁₀	1997 01 10.25176	08 11 57.87	+19 36 56.9	18.2 V	691
1997 AE ₁₀	1997 01 03.36705	09 34 13.40	+13 00 39.2	20.2 V	691	1997 AL ₁₀	1997 01 11.41625	08 10 48.73	+19 40 14.1	17.9 V	691
1997 AE ₁₀	1997 01 03.38879	09 34 12.76	+13 00 39.6	19.9 V	691	1997 AL ₁₀	1997 01 11.42206	08 10 48.37	+19 40 15.1	18.0 V	691
1997 AE ₁₀	1997 01 10.47396	09 30 11.63	+13 05 12.0	20.2 V	691	1997 AL ₁₀	1997 01 11.42806	08 10 48.00	+19 40 16.0	17.9 V	691
1997 AE ₁₀	1997 01 10.49557	09 30 10.77	+13 05 13.1	19.9 V	691	1997 AM ₁₀	* 1997 01 09.21874	08 15 31.99	+19 40 58.2	20.5 V	691
1997 AF ₁₀	* 1997 01 03.34583	09 34 30.10	+13 00 42.4	20.8 V	691	1997 AM ₁₀	1997 01 09.24098	08 15 30.53	+19 41 00.1	20.4 V	691
1997 AF ₁₀	1997 01 03.36723	09 34 29.55	+13 00 43.7	21.1 V	691	1997 AM ₁₀	1997 01 09.26319	08 15 28.99	+19 41 01.6	20.4 V	691
1997 AF ₁₀	1997 01 03.38897	09 34 28.92	+13 00 46.4	21.2 V	691	1997 AM ₁₀	1997 01 10.23981	08 14 23.84	+19 42 08.8	19.9 V	691
1997 AF ₁₀	1997 01 10.47433	09 30 43.97	+13 15 58.9	20.9 V	691	1997 AM ₁₀	1997 01 10.24552	08 14 23.42	+19 42 11.0	20.6 V	691
1997 AF ₁₀	1997 01 10.49594	09 30 43.10	+13 16 02.7	20.9 V	691	1997 AM ₁₀	1997 01 10.25343	08 14 22.87	+19 42 11.7	20.6 V	691
1997 AF ₁₀	1997 01 10.51770	09 30 42.30	+13 16 05.5	20.7 V	691	1997 AN ₁₀	* 1997 01 09.28264	08 10 11.11	+19 28 31.7	20.5 V	691
1997 AG ₁₀	* 1997 01 03.34596	09 34 41.49	+12 58 35.5	20.9 V	691	1997 AN ₁₀	1997 01 09.30482	08 10 09.79	+19 28 35.0	20.3 V	691
1997 AG ₁₀	1997 01 03.36736	09 34 40.77	+12 58 37.5	20.9 V	691	1997 AN ₁₀	1997 01 09.32771	08 10 08.38	+19 28 37.1	20.1 V	691
1997 AG ₁₀	1997 01 03.38910	09 34 40.03	+12 58 39.4	20.6 V	691	1997 AN ₁₀	1997 01 10.23651	08 09 15.35	+19 30 08.1	19.6 V	691
1997 AG ₁₀	1997 01 10.47391	09 30 06.85	+13 13 22.2	20.7 V	691	1997 AN ₁₀	1997 01 10.24222	08 09 15.01	+19 30 09.5	19.8 V	691
1997 AG ₁₀	1997 01 10.49551	09 30 05.89	+13 13 25.7	20.9 V	691	1997 AN ₁₀	1997 01 10.25014	08 09 14.47	+19 30 10.0	20.2 V	691
1997 AG ₁₀	1997 01 10.51727	09 30 04.95	+13 13 28.5	20.9 V	691	1997 AN ₁₀	1997 01 11.41436	08 08 04.70	+19 32 10.8	20.3 V	691
1997 AG ₁₀	1997 01 17.27428	09 24 33.74	+13 33 20.5	20.2 V	691	1997 AN ₁₀	1997 01 11.42016	08 08 04.33	+19 32 11.2	20.6 V	691
1997 AG ₁₀	1997 01 17.29587	09 24 32.56	+13 33 25.2	20.3 V	691	1997 AN ₁₀	1997 01 11.42616	08 08 03.95	+19 32 12.0	20.4 V	691
1997 AG ₁₀	1997 01 17.31765	09 24 31.35	+13 33 29.3	20.5 V	691	1997 AO ₁₀	* 1997 01 09.28315	08 10 54.69	+19 26 04.6	20.1 V	691
1997 AH ₁₀	* 1997 01 09.21521	08 10 18.54	+19 35 33.7	20.5 V	691	1997 AO ₁₀	1997 01 09.30533	08 10 53.51	+19 26 09.9	19.8 V	691
1997 AH ₁₀	1997 01 09.23745	08 10 17.20	+19 35 40.5	20.4 V	691	1997 AO ₁₀	1997 01 09.32822	08 10 52.29	+19 26 15.0	19.9 V	691
1997 AH ₁₀	1997 01 09.25966	08 10 15.81	+19 35 47.3	20.1 V	691	1997 AO ₁₀	1997 01 10.23682	08 10 04.94	+19 29 35.7	20.1 V	691
1997 AH ₁₀	1997 01 10.23653	08 09 17.98	+19 40 36.0	20.0 V	691	1997 AO ₁₀	1997 01 10.24253	08 10 04.63	+19 29 36.8	20.1 V	691
1997 AH ₁₀	1997 01 10.24223	08 09 17.62	+19 40 37.5	20.0 V	691	1997 AO ₁₀	1997 01 10.25045	08 10 04.20	+19 29 38.6	20.2 V	691
1997 AH ₁₀	1997 01 10.25015	08 09 17.15	+19 40 39.6	19.9 V	691	1997 AO ₁₀	1997 01 11.41502	08 09 02.39	+19 33 58.1	20.5 V	691
1997 AH ₁₀	1997 01 11.41439	08 08 07.02	+19 46 24.8	20.2 V	691	1997 AO ₁₀	1997 01 11.42083	08 09 02.07	+19 33 59.0	20.7 V	691
1997 AH ₁₀	1997 01 11.42019	08 08 06.65	+19 46 26.4	20.2 V	691	1997 AO ₁₀	1997 01 11.42683	08 09 01.75	+19 34 00.5	20.3 V	691
1997 AH ₁₀	1997 01 11.42619	08 08 06.29	+19 46 28.7	20.1 V	691	1997 AP ₁₀	* 1997 01 09.28379	08 11 50.39	+19 26 36.9	20.0 V	691
1997 AJ ₁₀	* 1997 01 09.21583	08 11 13.82	+19 37 51.1	21.5 V	691	1997 AP ₁₀	1997 01 09.30596	08 11 47.93	+19 26 41.9	19.7 V	691
1997 AJ ₁₀	1997 01 09.23807	08 11 12.45	+19 37 58.0	21.7 V	691	1997 AP ₁₀	1997 01 09.32883	08 11 45.39	+19 26 47.2	20.0 V	691
1997 AJ ₁₀	1997 01 09.26029	08 11 11.09	+19 38 04.5	20.7 V	691	1997 AP ₁₀	1997 01 10.23683	08 10 05.92	+19 30 02.9	20.4 V	691
1997 AJ ₁₀	1997 01 10.23690	08 10 11.75	+19 42 25.9	21.2 V	691	1997 AP ₁₀	1997 01 10.24254	08 10 05.27	+19 30 04.2	20.3 V	691
1997 AJ ₁₀	1997 01 10.24261	08 10 11.40	+19 42 27.4	21.7 V	691	1997 AP ₁₀	1997 01 10.25045	08 10 04.40	+19 30 05.8	20.4 V	691
1997 AJ ₁₀	1997 01 10.25052	08 10 10.94	+19 42 29.0	21.4 V	691	1997 AP ₁₀	1997 01 11.41424	08 07 54.76	+19 34 16.2	20.7 V	691
1997 AJ ₁₀	1997 01 11.41498	08 08 58.63	+19 47 45.4	21.1 V	691	1997 AP ₁₀	1997 01 11.42004	08 07 54.13	+19 34 17.9	20.7 V	691
1997 AJ ₁₀	1997 01 11.42078	08 08 58.30	+19 47 46.3	21.1 V	691	1997 AP ₁₀	1997 01 11.42604	08 07 53.42	+19 34 19.2	20.9 V	691
1997 AJ ₁₀	1997 01 11.42678	08 08 57.84	+19 47 47.5	21.1 V	691	1997 AQ ₁₀	* 1997 01 09.28382	08 11 53.41	+19 20 49.1	19.5 V	691
1997 AK ₁₀	* 1997 01 09.21699	08 12 56.72	+19 35 37.8	19.3 V	691	1997 AQ ₁₀	1997 01 09.30600	08 11 52.08	+19 20 53.8	19.8 V	691
1997 AK ₁₀	1997 01 09.23923	08 12 55.39	+19 35 41.8	19.2 V	691	1997 AQ ₁₀	1997 01 09.32890	08 11 50.90	+19 20 58.5	19.7 V	691
1997 AK ₁₀	1997 01 09.26145	08 12 53.99	+19 35 45.6	18.9 V	691	1997 AQ ₁₀	1997 01 10.23751	08 11 04.85	+19 23 56.6	20.1 V	691
1997 AK ₁₀	1997 01 10.23812	08 11 57.04	+19 38 27.7	19.2 V	691	1997 AQ ₁₀	1997 01 10.24322	08 11 04.55	+19 23 57.9	20.4 V	691
1997 AK ₁₀	1997 01 10.24382	08 11 56.70	+19 38 28.7	19.2 V	691	1997 AQ ₁₀	1997 01 10.25114	08 11 04.11	+19 23 59.5	20.3 V	691
1997 AK ₁₀	1997 01 10.25174	08 11 56.20	+19 38 30.1	19.1 V	691	1997 AR ₁₀	* 1997 01 09.28390	08 12 00.35	+19 12 40.6	20.6 V	691
1997 AK ₁₀	1997 01 11.41623	08 10 46.56	+19 41 46.1	19.2 V	691	1997 AR ₁₀	1997 01 09.30609	08 11 59.04	+19 12 44.2	20.4 V	691
1997 AK ₁₀	1997 01 11.42203	08 10 46.19	+19 41 47.1	19.2 V	691	1997 AR ₁₀	1997 01 09.32898	08 11 57.70	+19 12 47.8	20.4 V	691
1997 AK ₁₀	1997 01 11.42803	08 10 45.81	+19 41 48.0	19.2 V	691	1997 AR ₁₀	1997 01 10.23753	08 11 05.94	+19 14 58.6	20.0 V	691

1997 AR ₁₀	1997 01 10.24323	08 11 05.58	+19 14 59.3	20.0 V	691	1997 AH ₁₁	1997 01 02.52986	09 19 01.43	+13 10 06.5	21.0 V	691
1997 AR ₁₀	1997 01 10.25115	08 11 05.15	+19 15 00.7	20.0 V	691	1997 AH ₁₁	1997 01 11.43749	09 12 56.77	+12 48 21.6	20.7 V	691
1997 AS ₁₀	* 1997 01 09.28465	08 13 04.76	+19 28 51.8	21.1 V	691	1997 AH ₁₁	1997 01 11.45941	09 12 55.69	+12 48 18.6	21.1 V	691
1997 AS ₁₀	1997 01 09.30683	08 13 03.43	+19 28 57.0	20.9 V	691	1997 AH ₁₁	1997 01 11.48127	09 12 54.62	+12 48 15.9	21.3 V	691
1997 AS ₁₀	1997 01 09.32972	08 13 02.08	+19 29 02.4	20.9 V	691	1997 AJ ₁₁	* 1997 01 02.47057	09 21 08.66	+13 26 01.5	19.5 V	691
1997 AS ₁₀	1997 01 10.23826	08 12 09.84	+19 32 37.7	20.9 V	691	1997 AJ ₁₁	1997 01 02.50090	09 21 07.68	+13 25 55.0	19.6 V	691
1997 AS ₁₀	1997 01 10.24397	08 12 09.51	+19 32 39.3	21.0 V	691	1997 AJ ₁₁	1997 01 02.53130	09 21 06.70	+13 25 48.4	19.6 V	691
1997 AS ₁₀	1997 01 10.25189	08 12 09.04	+19 32 41.2	21.3 V	691	1997 AJ ₁₁	1997 01 11.43915	09 15 20.76	+12 57 42.6	18.3 V	691
1997 AT ₁₀	* 1997 01 09.28581	08 14 45.70	+19 21 01.9	19.6 V	691	1997 AJ ₁₁	1997 01 11.46107	09 15 19.71	+12 57 38.8	18.3 V	691
1997 AT ₁₀	1997 01 09.30799	08 14 44.39	+19 20 58.7	19.6 V	691	1997 AJ ₁₁	1997 01 11.48293	09 15 18.65	+12 57 35.2	18.3 V	691
1997 AT ₁₀	1997 01 09.33088	08 14 43.00	+19 20 55.7	19.2 V	691	1997 AK ₁₁	* 1997 01 02.47112	09 21 56.54	+13 25 52.1	20.4 V	691
1997 AT ₁₀	1997 01 10.23943	08 13 50.89	+19 18 37.7	19.7 V	691	1997 AK ₁₁	1997 01 02.50145	09 21 55.68	+13 25 56.1	20.1 V	691
1997 AT ₁₀	1997 01 10.24514	08 13 50.55	+19 18 36.9	19.9 V	691	1997 AK ₁₁	1997 01 02.53186	09 21 54.81	+13 26 00.0	20.1 V	691
1997 AT ₁₀	1997 01 10.25305	08 13 50.08	+19 18 35.8	19.8 V	691	1997 AK ₁₁	1997 01 10.39921	09 17 39.80	+13 47 44.5	20.0 V	691
1997 AU ₁₀	* 1997 01 09.35326	09 13 54.21	+22 10 21.4	18.0 V	691	1997 AK ₁₁	1997 01 10.42134	09 17 38.95	+13 47 48.7	20.2 V	691
1997 AU ₁₀	1997 01 09.37586	09 13 53.05	+22 10 24.1	18.0 V	691	1997 AK ₁₁	1997 01 10.44318	09 17 38.08	+13 47 52.8	20.6 V	691
1997 AU ₁₀	1997 01 09.39836	09 13 51.89	+22 10 27.0	18.0 V	691	1997 AL ₁₁	* 1997 01 02.47312	09 24 49.73	+13 09 54.5	18.9 V	691
1997 AU ₁₀	1997 01 10.35247	09 13 04.19	+22 12 26.5	18.0 V	691	1997 AL ₁₁	1997 01 02.50345	09 24 48.56	+13 10 00.4	19.4 V	691
1997 AU ₁₀	1997 01 10.35977	09 13 03.80	+22 12 27.4	18.0 V	691	1997 AL ₁₁	1997 01 02.53385	09 24 47.39	+13 10 05.9	19.1 V	691
1997 AU ₁₀	1997 01 10.36572	09 13 03.48	+22 12 28.5	17.9 V	691	1997 AL ₁₁	1997 01 10.40025	09 19 09.33	+13 39 00.4	19.2 V	691
1997 AV ₁₀	* 1997 01 09.35362	09 14 25.42	+22 11 12.7	19.9 V	691	1997 AL ₁₁	1997 01 10.42237	09 19 08.20	+13 39 05.8	19.0 V	691
1997 AV ₁₀	1997 01 09.37623	09 14 24.79	+22 11 27.1	20.1 V	691	1997 AL ₁₁	1997 01 10.44421	09 19 07.11	+13 39 11.1	19.0 V	691
1997 AV ₁₀	1997 01 09.39874	09 14 24.07	+22 11 41.0	20.3 V	691	1997 AL ₁₁	1997 01 11.50236	09 18 14.88	+13 43 38.8	19.3 V	691
1997 AV ₁₀	1997 01 10.35308	09 13 56.87	+22 21 40.1	20.3 V	691	1997 AL ₁₁	1997 01 11.51045	09 18 14.46	+13 43 41.0	19.5 V	691
1997 AV ₁₀	1997 01 10.36038	09 13 56.63	+22 21 45.0	20.2 V	691	1997 AL ₁₁	1997 01 11.51792	09 18 14.09	+13 43 42.9	19.4 V	691
1997 AV ₁₀	1997 01 10.36633	09 13 56.43	+22 21 48.4	20.1 V	691	1997 AM ₁₁	* 1997 01 02.47410	09 26 14.85	+13 18 41.1	19.8 V	691
1997 AW ₁₀	* 1997 01 09.35526	09 16 47.77	+22 09 56.7	17.5 V	691	1997 AM ₁₁	1997 01 02.50443	09 26 13.77	+13 18 43.9	19.7 V	691
1997 AW ₁₀	1997 01 09.37786	09 16 46.37	+22 09 51.0	17.6 V	691	1997 AM ₁₁	1997 01 02.53484	09 26 12.69	+13 18 46.7	19.8 V	691
1997 AW ₁₀	1997 01 09.40036	09 16 44.96	+22 09 45.3	17.6 V	691	1997 AM ₁₁	1997 01 10.40142	09 20 51.09	+13 37 00.5	19.5 V	691
1997 AW ₁₀	1997 01 10.35435	09 15 46.92	+22 05 42.0	17.2 V	691	1997 AM ₁₁	1997 01 10.44539	09 20 48.91	+13 37 06.7	19.0 V	691
1997 AW ₁₀	1997 01 10.36165	09 15 46.46	+22 05 40.1	17.2 V	691	1997 AM ₁₁	1997 01 11.50354	09 19 57.14	+13 40 16.2	19.8 V	691
1997 AW ₁₀	1997 01 10.36760	09 15 46.08	+22 05 38.6	17.2 V	691	1997 AM ₁₁	1997 01 11.51163	09 19 56.72	+13 40 17.5	19.8 V	691
1997 AX ₁₀	* 1997 01 09.44546	09 14 23.19	+21 44 29.6	19.3 V	691	1997 AM ₁₁	1997 01 11.51910	09 19 56.36	+13 40 19.1	19.7 V	691
1997 AX ₁₀	1997 01 09.46790	09 14 22.28	+21 45 03.2	19.5 V	691	1997 AM ₁₁	1997 01 17.26752	09 14 47.65	+13 59 40.1	19.5 V	691
1997 AX ₁₀	1997 01 09.49027	09 14 21.38	+21 45 36.9	19.5 V	691	1997 AM ₁₁	1997 01 17.28911	09 14 46.37	+13 59 44.8	19.4 V	691
1997 AX ₁₀	1997 01 10.35299	09 13 48.88	+22 07 31.2	19.8 V	691	1997 AM ₁₁	1997 01 17.31088	09 14 45.07	+13 59 49.6	19.3 V	691
1997 AX ₁₀	1997 01 10.36029	09 13 48.57	+22 07 42.3	19.9 V	691	1997 AN ₁₁	* 1997 01 03.33291	09 15 51.05	+12 33 26.6	21.0 V	691
1997 AX ₁₀	1997 01 10.36624	09 13 48.32	+22 07 51.4	19.8 V	691	1997 AN ₁₁	1997 01 03.35431	09 15 50.48	+12 33 25.8	21.1 V	691
1997 AF ₁₁	* 1997 01 02.39698	09 17 00.70	+13 50 43.7	20.8 V	691	1997 AN ₁₁	1997 01 03.37606	09 15 49.84	+12 33 24.7	21.0 V	691
1997 AF ₁₁	1997 01 02.42052	09 16 59.93	+13 50 46.2	20.8 V	691	1997 AN ₁₁	1997 01 11.43639	09 11 21.25	+12 31 03.7	20.7 V	691
1997 AF ₁₁	1997 01 02.44360	09 16 59.26	+13 50 48.7	20.8 V	691	1997 AN ₁₁	1997 01 11.45831	09 11 20.29	+12 31 03.9	20.7 V	691
1997 AF ₁₁	1997 01 11.38717	09 11 41.00	+14 11 47.9	20.9 V	691	1997 AN ₁₁	1997 01 11.48017	09 11 19.38	+12 31 04.2	20.9 V	691
1997 AF ₁₁	1997 01 11.39291	09 11 40.78	+14 11 49.1	21.0 V	691	1997 AO ₁₁	* 1997 01 03.33333	09 16 27.28	+12 40 57.3	22.1 V	691
1997 AF ₁₁	1997 01 11.40334	09 11 40.32	+14 11 51.0	21.0 V	691	1997 AO ₁₁	1997 01 03.35473	09 16 26.56	+12 40 56.2	21.6 V	691
1997 AG ₁₁	* 1997 01 02.46845	09 18 04.76	+13 25 40.7	20.8 V	691	1997 AO ₁₁	1997 01 03.37647	09 16 25.92	+12 40 54.8	21.5 V	691
1997 AG ₁₁	1997 01 02.49877	09 18 03.08	+13 25 31.5	20.6 V	691	1997 AO ₁₁	1997 01 11.43645	09 11 26.54	+12 35 56.3	21.0 V	691
1997 AG ₁₁	1997 01 02.52917	09 18 01.44	+13 25 23.2	20.7 V	691	1997 AO ₁₁	1997 01 11.45837	09 11 25.42	+12 35 56.0	20.6 V	691
1997 AG ₁₁	1997 01 11.43488	09 09 10.61	+12 42 49.9	20.6 V	691	1997 AO ₁₁	1997 01 11.48023	09 11 24.45	+12 35 55.9	20.9 V	691
1997 AG ₁₁	1997 01 11.45679	09 09 09.14	+12 42 43.9	20.6 V	691	1997 AP ₁₁	* 1997 01 03.33358	09 16 49.01	+12 32 02.0	21.0 V	691
1997 AG ₁₁	1997 01 11.47865	09 09 07.70	+12 42 37.9	20.8 V	691	1997 AP ₁₁	1997 01 03.35498	09 16 48.04	+12 32 01.1	21.1 V	691
1997 AH ₁₁	* 1997 01 02.46913	09 19 03.61	+13 10 16.9	21.2 V	691	1997 AP ₁₁	1997 01 03.37672	09 16 46.96	+12 31 59.8	20.9 V	691
1997 AH ₁₁	1997 01 02.49946	09 19 02.54	+13 10 11.7	21.5 V	691	1997 AP ₁₁	1997 01 11.43535	09 09 51.09	+12 29 27.7	20.2 V	691

1997 AP ₁₁	1997 01 11.45726	09 09 49.84	+12 29 27.6	20.4 V	691	1997 AY ₁₁	1997 01 11.41384	08 07 19.55	+19 24 26.0	21.2 V	691
1997 AP ₁₁	1997 01 11.47912	09 09 48.54	+12 29 27.6	20.6 V	691	1997 AY ₁₁	1997 01 11.41964	08 07 19.19	+19 24 25.8	21.6 V	691
1997 AQ ₁₁	* 1997 01 03.33489	09 18 42.88	+12 45 24.7	19.9 V	691	1997 AY ₁₁	1997 01 11.42564	08 07 18.86	+19 24 26.5	21.0 V	691
1997 AQ ₁₁	1997 01 03.35630	09 18 42.18	+12 45 24.9	20.0 V	691	1997 AZ ₁₁	* 1997 01 09.28238	08 09 48.25	+19 28 38.9	20.9 V	691
1997 AQ ₁₁	1997 01 03.37804	09 18 41.44	+12 45 25.0	19.7 V	691	1997 AZ ₁₁	1997 01 09.30456	08 09 46.89	+19 28 42.7	21.0 V	691
1997 AQ ₁₁	1997 01 11.43803	09 13 43.06	+12 51 41.6	19.3 V	691	1997 AZ ₁₁	1997 01 09.32745	08 09 45.43	+19 28 46.5	20.9 V	691
1997 AQ ₁₁	1997 01 11.45994	09 13 42.08	+12 51 42.9	19.4 V	691	1997 AZ ₁₁	1997 01 11.41404	08 07 36.69	+19 34 16.6	21.1 V	691
1997 AQ ₁₁	1997 01 11.48181	09 13 41.13	+12 51 44.5	19.4 V	691	1997 AZ ₁₁	1997 01 11.41984	08 07 36.30	+19 34 17.3	21.1 V	691
1997 AR ₁₁	* 1997 01 03.33568	09 19 50.94	+12 36 38.0	20.0 V	691	1997 AZ ₁₁	1997 01 11.42584	08 07 35.92	+19 34 18.4	21.0 V	691
1997 AR ₁₁	1997 01 03.35708	09 19 50.10	+12 36 37.4	20.0 V	691	1997 AA ₁₂	* 1997 01 10.23683	08 10 05.92	+19 36 58.0	19.6 V	691
1997 AR ₁₁	1997 01 03.37882	09 19 49.20	+12 36 36.3	19.7 V	691	1997 AA ₁₂	1997 01 10.24254	08 10 05.56	+19 37 00.8	19.6 V	691
1997 AR ₁₁	1997 01 11.43826	09 14 03.07	+12 34 50.5	19.4 V	691	1997 AA ₁₂	1997 01 10.25046	08 10 05.05	+19 37 04.5	19.7 V	691
1997 AR ₁₁	1997 01 11.46018	09 14 02.00	+12 34 50.6	19.5 V	691	1997 AA ₁₂	1997 01 11.41491	08 08 52.67	+19 46 17.1	19.4 V	691
1997 AR ₁₁	1997 01 11.48204	09 14 00.94	+12 34 50.7	19.6 V	691	1997 AA ₁₂	1997 01 11.42072	08 08 52.31	+19 46 19.9	19.5 V	691
1997 AS ₁₁	* 1997 01 03.34355	09 31 12.62	+12 33 30.0	21.5 V	691	1997 AA ₁₂	1997 01 11.42672	08 08 51.91	+19 46 22.6	19.5 V	691
1997 AS ₁₁	1997 01 03.36495	09 31 12.04	+12 33 32.6	21.2 V	691	1997 AB ₁₂	* 1997 01 10.23776	08 11 26.24	+19 33 17.7	20.2 V	691
1997 AS ₁₁	1997 01 03.38670	09 31 11.47	+12 33 35.1	21.3 V	691	1997 AB ₁₂	1997 01 10.24347	08 11 25.96	+19 33 20.2	20.2 V	691
1997 AS ₁₁	1997 01 11.44721	09 26 58.67	+12 52 59.9	20.5 V	691	1997 AB ₁₂	1997 01 11.41602	08 10 28.70	+19 41 05.1	20.1 V	691
1997 AS ₁₁	1997 01 11.46913	09 26 57.84	+12 53 03.9	20.5 V	691	1997 AB ₁₂	1997 01 11.42182	08 10 28.41	+19 41 07.5	20.1 V	691
1997 AS ₁₁	1997 01 11.49099	09 26 56.94	+12 53 07.5	20.7 V	691	1997 AB ₁₂	1997 01 11.42783	08 10 28.10	+19 41 09.8	20.1 V	691
1997 AT ₁₁	* 1997 01 09.21403	08 08 33.59	+19 35 17.6	19.8 V	691	1997 AC ₁₂	* 1997 01 10.23787	08 11 35.35	+19 40 20.4	20.1 V	691
1997 AT ₁₁	1997 01 09.23627	08 08 32.38	+19 35 23.4	20.0 V	691	1997 AC ₁₂	1997 01 10.24357	08 11 34.99	+19 40 22.0	20.3 V	691
1997 AT ₁₁	1997 01 11.41333	08 06 35.44	+19 43 47.7	19.5 V	691	1997 AC ₁₂	1997 01 10.25149	08 11 34.47	+19 40 24.2	20.3 V	691
1997 AT ₁₁	1997 01 11.41913	08 06 35.12	+19 43 48.8	19.5 V	691	1997 AC ₁₂	1997 01 11.41593	08 10 21.15	+19 45 36.6	20.2 V	691
1997 AT ₁₁	1997 01 11.42513	08 06 34.80	+19 43 50.4	19.4 V	691	1997 AC ₁₂	1997 01 11.42174	08 10 20.79	+19 45 38.1	20.3 V	691
1997 AU ₁₁	* 1997 01 09.21411	08 08 40.67	+19 43 19.0	21.7 V	691	1997 AC ₁₂	1997 01 11.42774	08 10 20.34	+19 45 38.9	19.9 V	691
1997 AU ₁₁	1997 01 09.23634	08 08 39.33	+19 43 15.4	21.5 V	691	1997 AD ₁₂	* 1997 01 10.39515	09 11 47.84	+14 02 26.2	20.5 V	691
1997 AU ₁₁	1997 01 09.25856	08 08 37.93	+19 43 11.9	21.4 V	691	1997 AD ₁₂	1997 01 10.41728	09 11 46.68	+14 02 26.6	20.5 V	691
1997 AU ₁₁	1997 01 11.41323	08 06 27.11	+19 36 46.4	21.3 V	691	1997 AD ₁₂	1997 01 10.43911	09 11 45.53	+14 02 26.9	20.2 V	691
1997 AU ₁₁	1997 01 11.41903	08 06 26.73	+19 36 44.6	21.1 V	691	1997 AD ₁₂	1997 01 11.38667	09 10 57.19	+14 02 52.6	20.0 V	691
1997 AU ₁₁	1997 01 11.42504	08 06 26.40	+19 36 43.4	21.7 V	691	1997 AD ₁₂	1997 01 11.39241	09 10 56.90	+14 02 52.4	20.0 V	691
1997 AV ₁₁	* 1997 01 09.21497	08 09 57.84	+19 45 25.7	19.0 V	691	1997 AD ₁₂	1997 01 11.40283	09 10 56.29	+14 02 53.2	20.1 V	691
1997 AV ₁₁	1997 01 09.23721	08 09 56.67	+19 45 28.5	19.0 V	691	1997 AD ₁₂	1997 01 16.24825	09 06 30.91	+14 06 24.5	20.2 V	691
1997 AV ₁₁	1997 01 09.25943	08 09 55.49	+19 45 31.8	18.8 V	691	1997 AD ₁₂	1997 01 16.27054	09 06 29.56	+14 06 25.9	20.3 V	691
1997 AV ₁₁	1997 01 11.41435	08 08 04.25	+19 50 41.3	19.4 V	691	1997 AD ₁₂	1997 01 16.29585	09 06 28.08	+14 06 27.6	20.2 V	691
1997 AV ₁₁	1997 01 11.42016	08 08 03.93	+19 50 42.3	19.4 V	691	1997 AE ₁₂	* 1997 01 10.41101	09 34 41.71	+14 02 26.1	21.6 V	691
1997 AV ₁₁	1997 01 11.42616	08 08 03.62	+19 50 43.1	19.4 V	691	1997 AE ₁₂	1997 01 10.43313	09 34 40.19	+14 02 31.0	21.2 V	691
1997 AW ₁₁	* 1997 01 09.21582	08 11 13.30	+19 43 06.9	19.9 V	691	1997 AE ₁₂	1997 01 10.45496	09 34 38.61	+14 02 35.8	21.3 V	691
1997 AW ₁₁	1997 01 09.23806	08 11 11.80	+19 43 12.2	20.1 V	691	1997 AE ₁₂	1997 01 11.33163	09 33 38.20	+14 05 47.1	21.4 V	691
1997 AW ₁₁	1997 01 09.26028	08 11 10.29	+19 43 17.2	20.0 V	691	1997 AE ₁₂	1997 01 11.33731	09 33 37.80	+14 05 48.7	20.7 V	691
1997 AW ₁₁	1997 01 11.41484	08 08 46.65	+19 51 03.6	19.9 V	691	1997 AE ₁₂	1997 01 11.34820	09 33 37.02	+14 05 50.1	20.9 V	691
1997 AW ₁₁	1997 01 11.42065	08 08 46.28	+19 51 05.1	19.8 V	691	1997 AE ₁₂	1997 01 16.31195	09 27 34.72	+14 25 07.2	21.3 V	691
1997 AW ₁₁	1997 01 11.42665	08 08 45.85	+19 51 06.1	19.9 V	691	1997 AE ₁₂	1997 01 16.32747	09 27 33.53	+14 25 11.4	21.4 V	691
1997 AX ₁₁	* 1997 01 09.28133	08 08 17.30	+19 10 08.1	19.4 V	691	1997 AE ₁₂	1997 01 16.34094	09 27 32.47	+14 25 14.2	21.4 V	691
1997 AX ₁₁	1997 01 09.30351	08 08 16.22	+19 10 15.8	19.4 V	691	1997 AF ₁₂	* 1997 01 10.46538	09 17 46.36	+13 20 53.2	19.8 V	691
1997 AX ₁₁	1997 01 09.32641	08 08 15.11	+19 10 23.7	19.2 V	691	1997 AF ₁₂	1997 01 10.48698	09 17 45.54	+13 21 07.4	19.8 V	691
1997 AX ₁₁	1997 01 11.41333	08 06 35.99	+19 22 23.3	19.9 V	691	1997 AF ₁₂	1997 01 10.50874	09 17 44.71	+13 21 21.9	20.2 V	691
1997 AX ₁₁	1997 01 11.41914	08 06 35.69	+19 22 25.2	19.8 V	691	1997 AF ₁₂	1997 01 11.50160	09 17 08.50	+13 32 28.5	20.4 V	691
1997 AX ₁₁	1997 01 11.42514	08 06 35.40	+19 22 27.3	19.7 V	691	1997 AF ₁₂	1997 01 11.50969	09 17 08.18	+13 32 34.0	20.6 V	691
1997 AY ₁₁	* 1997 01 09.28206	08 09 20.90	+19 22 30.5	21.2 V	691	1997 AF ₁₂	1997 01 11.51716	09 17 07.87	+13 32 39.2	20.3 V	691
1997 AY ₁₁	1997 01 09.30424	08 09 19.62	+19 22 31.8	21.6 V	691	1997 AG ₁₂	* 1997 01 10.46551	09 17 58.06	+13 12 29.5	21.1 V	691
1997 AY ₁₁	1997 01 09.32714	08 09 18.30	+19 22 33.2	21.3 V	691	1997 AG ₁₂	1997 01 10.48711	09 17 56.90	+13 12 33.7	20.5 V	691

1997 AG ₁₂	1997 01 10.50887	09 17 55.80	+13 12 38.0	20.8 V	691	1997 AP ₁₇	1996 12 09.40332	08 41 55.10	+22 43 57.5	19.0 V	691
1997 AG ₁₂	1997 01 11.50157	09 17 06.29	+13 15 49.5	20.7 V	691	1997 AP ₁₇	1996 12 09.43044	08 41 54.77	+22 44 04.5	19.0 V	691
1997 AG ₁₂	1997 01 11.50966	09 17 05.89	+13 15 51.3	21.2 V	691	1997 AP ₁₇	1996 12 09.45766	08 41 54.46	+22 44 11.6	19.2 V	691
1997 AG ₁₂	1997 01 11.51713	09 17 05.48	+13 15 53.0	20.9 V	691	1997 AP ₁₇	1996 12 14.30843	08 40 45.54	+23 06 22.4	18.7 V	691
1997 AG ₁₂	1997 01 17.26552	09 11 55.15	+13 36 27.5	20.4 V	691	1997 AP ₁₇	1996 12 14.33130	08 40 45.13	+23 06 28.9	18.6 V	691
1997 AG ₁₂	1997 01 17.28712	09 11 53.87	+13 36 32.7	20.5 V	691	1997 AP ₁₇	1996 12 14.35440	08 40 44.69	+23 06 35.8	18.6 V	691
1997 AG ₁₂	1997 01 17.30889	09 11 52.58	+13 36 37.8	20.2 V	691	1997 AX ₁₈	* 1997 01 09.07345	03 16 22.81	+19 54 38.8	18.9 V	691
1997 AH ₁₂	* 1997 01 10.46612	09 18 50.89	+13 15 03.6	20.5 V	691	1997 AX ₁₈	1997 01 09.09610	03 16 23.23	+19 54 36.7	18.7 V	691
1997 AH ₁₂	1997 01 10.48773	09 18 50.14	+13 15 12.1	20.3 V	691	1997 AX ₁₈	1997 01 09.11848	03 16 23.68	+19 54 35.0	18.6 V	691
1997 AH ₁₂	1997 01 10.50949	09 18 49.36	+13 15 20.7	20.6 V	691	1997 AX ₁₈	1997 01 16.15955	03 19 45.24	+19 46 44.2	18.6 V	691
1997 AH ₁₂	1997 01 11.50237	09 18 15.20	+13 22 08.4	20.7 V	691	1997 AX ₁₈	1997 01 16.21515	03 19 47.07	+19 46 41.7	18.9 V	691
1997 AH ₁₂	1997 01 11.51046	09 18 14.91	+13 22 11.8	20.8 V	691	1997 AY ₁₈	* 1997 01 10.39428	09 10 32.64	+13 48 13.4	20.2 V	691
1997 AH ₁₂	1997 01 11.51793	09 18 14.63	+13 22 14.9	21.0 V	691	1997 AY ₁₈	1997 01 10.41641	09 10 31.76	+13 48 20.8	19.5 V	691
1997 AT ₁₃	1996 12 14.44878	08 43 21.70	+22 35 40.1	18.6 V	691	1997 AY ₁₈	1997 01 10.43825	09 10 30.93	+13 48 27.1	20.4 V	691
1997 AT ₁₃	1996 12 14.47157	08 43 21.16	+22 35 44.5	18.5 V	691	1997 AY ₁₈	1997 01 16.24828	09 06 36.02	+14 20 39.3	19.8 V	691
1997 AT ₁₃	1996 12 14.49408	08 43 20.66	+22 35 48.9	18.8 V	691	1997 AY ₁₈	1997 01 16.27057	09 06 35.03	+14 20 47.4	20.0 V	691
1997 AX ₁₃	* 1997 01 06.27437	08 12 58.77	+20 43 10.6	18.9 V	691	1997 AY ₁₈	1997 01 16.29589	09 06 33.91	+14 20 56.1	20.1 V	691
1997 AX ₁₃	1997 01 06.30396	08 12 57.17	+20 43 15.1	18.9 V	691	1997 AZ ₁₈	* 1997 01 10.39556	09 12 23.40	+13 39 39.5	21.1 V	691
1997 AX ₁₃	1997 01 06.32647	08 12 55.96	+20 43 18.6	18.7 V	691	1997 AZ ₁₈	1997 01 10.41769	09 12 22.57	+13 39 47.1	21.0 V	691
1997 AX ₁₃	1997 01 12.18834	08 07 39.91	+20 57 47.6	19.6 V	691	1997 AZ ₁₈	1997 01 10.43953	09 12 21.71	+13 39 54.1	21.2 V	691
1997 AX ₁₃	1997 01 12.21087	08 07 38.64	+20 57 51.4	19.5 V	691	1997 AZ ₁₈	1997 01 16.24928	09 08 30.97	+14 14 31.0	20.6 V	691
1997 AX ₁₃	1997 01 12.23436	08 07 37.31	+20 57 55.4	20.2 V	691	1997 AZ ₁₈	1997 01 16.27157	09 08 30.00	+14 14 39.2	20.6 V	691
1997 AY ₁₃	* 1997 01 06.27538	08 14 25.64	+21 01 29.5	19.5 V	691	1997 AZ ₁₈	1997 01 16.29688	09 08 28.85	+14 14 49.0	20.7 V	691
1997 AY ₁₃	1997 01 06.30496	08 14 24.12	+21 01 30.0	19.6 V	691	1997 AA ₁₉	* 1997 01 10.39601	09 13 02.64	+13 43 32.2	20.0 V	691
1997 AY ₁₃	1997 01 06.32748	08 14 23.01	+21 01 31.5	19.2 V	691	1997 AA ₁₉	1997 01 10.41814	09 13 01.75	+13 43 37.0	19.6 V	691
1997 AY ₁₃	1997 01 12.18943	08 09 14.03	+21 03 01.9	20.7 V	691	1997 AA ₁₉	1997 01 10.43998	09 13 00.87	+13 43 41.4	19.6 V	691
1997 AY ₁₃	1997 01 12.21196	08 09 12.79	+21 03 02.1	20.7 V	691	1997 AA ₁₉	1997 01 16.24959	09 08 57.70	+14 06 09.6	19.3 V	691
1997 AY ₁₃	1997 01 12.23545	08 09 11.47	+21 03 02.4	20.5 V	691	1997 AA ₁₉	1997 01 16.27188	09 08 56.65	+14 06 15.2	19.3 V	691
1997 AZ ₁₃	* 1997 01 06.27579	08 15 01.60	+20 41 41.3	20.1 V	691	1997 AA ₁₉	1997 01 16.29719	09 08 55.47	+14 06 21.7	19.6 V	691
1997 AZ ₁₃	1997 01 06.30538	08 15 00.03	+20 41 42.3	19.9 V	691	1997 AB ₁₉	* 1997 01 10.39647	09 13 41.95	+13 33 54.0	19.8 V	691
1997 AZ ₁₃	1997 01 06.32789	08 14 58.79	+20 41 43.1	20.0 V	691	1997 AB ₁₉	1997 01 10.41859	09 13 40.90	+13 33 58.5	19.6 V	691
1997 AZ ₁₃	1997 01 12.18973	08 09 40.30	+20 45 15.1	21.1 V	691	1997 AB ₁₉	1997 01 10.44043	09 13 39.87	+13 34 02.8	19.7 V	691
1997 AZ ₁₃	1997 01 12.21226	08 09 39.08	+20 45 16.5	20.8 V	691	1997 AB ₁₉	1997 01 16.24957	09 08 55.41	+13 55 27.0	19.4 V	691
1997 AZ ₁₃	1997 01 12.23576	08 09 37.78	+20 45 17.4	21.6 V	691	1997 AB ₁₉	1997 01 16.29716	09 08 52.89	+13 55 38.7	19.0 V	691
1997 AA ₁₄	* 1997 01 06.27654	08 16 06.76	+20 41 38.1	18.3 V	691	1997 AB ₁₉	1997 01 17.26309	09 08 01.79	+13 59 30.9	19.5 V	691
1997 AA ₁₄	1997 01 06.30613	08 16 05.36	+20 41 44.3	18.1 V	691	1997 AB ₁₉	1997 01 17.28472	09 08 00.62	+13 59 36.3	19.7 V	691
1997 AA ₁₄	1997 01 06.32865	08 16 04.27	+20 41 48.3	18.2 V	691	1997 AB ₁₉	1997 01 17.30646	09 07 59.42	+13 59 41.9	19.8 V	691
1997 AA ₁₄	1997 01 12.19091	08 11 22.37	+21 00 51.3	19.0 V	691	1997 AC ₁₉	* 1997 01 10.40732	09 29 22.05	+13 36 58.5	18.8 V	691
1997 AA ₁₄	1997 01 12.21344	08 11 21.22	+21 00 55.7	18.7 V	691	1997 AC ₁₉	1997 01 10.42945	09 29 21.30	+13 37 05.7	18.8 V	691
1997 AA ₁₄	1997 01 12.23694	08 11 20.06	+21 01 00.8	19.1 V	691	1997 AC ₁₉	1997 01 10.45129	09 29 20.56	+13 37 13.0	18.9 V	691
1997 AB ₁₄	* 1997 01 10.09008	03 19 23.05	+19 03 40.8	20.4 V	691	1997 AC ₁₉	1997 01 16.31070	09 25 46.31	+14 12 16.7	18.6 V	691
1997 AB ₁₄	1997 01 10.11224	03 19 23.23	+19 03 40.1	21.4 V	691	1997 AC ₁₉	1997 01 16.32623	09 25 45.64	+14 12 22.7	18.8 V	691
1997 AB ₁₄	1997 01 10.13444	03 19 23.77	+19 03 33.7	19.9 V	691	1997 AC ₁₉	1997 01 16.33970	09 25 45.04	+14 12 27.6	18.9 V	691
1997 AB ₁₄	1997 01 12.09313	03 20 03.87	+18 58 52.4	20.1 V	691	1997 AD ₁₉	* 1997 01 10.40743	09 29 31.11	+14 02 40.2	21.4 V	691
1997 AB ₁₄	1997 01 12.11539	03 20 04.31	+18 58 50.0	20.4 V	691	1997 AD ₁₉	1997 01 10.42955	09 29 30.09	+14 02 45.0	21.1 V	691
1997 AB ₁₄	1997 01 12.13755	03 20 04.78	+18 58 46.9	20.2 V	691	1997 AD ₁₉	1997 01 10.45139	09 29 29.14	+14 02 48.8	21.4 V	691
1997 AE ₁₄	1997 01 09.28942	08 19 57.88	+19 13 05.8	18.7 V	691	1997 AD ₁₉	1997 01 16.31009	09 24 53.40	+14 22 59.8	20.9 V	691
1997 AE ₁₄	1997 01 09.31160	08 19 56.70	+19 13 10.3	18.5 V	691	1997 AD ₁₉	1997 01 16.32561	09 24 52.61	+14 23 03.0	21.1 V	691
1997 AE ₁₄	1997 01 09.33449	08 19 55.46	+19 13 14.6	18.5 V	691	1997 AD ₁₉	1997 01 16.33909	09 24 51.86	+14 23 05.8	21.1 V	691
1997 AC ₁₆	1997 01 09.27999	08 06 21.53	+19 17 25.6	19.2 V	691	1997 AE ₁₉	* 1997 01 10.40757	09 29 44.00	+13 58 18.2	20.2 V	691
1997 AC ₁₆	1997 01 09.30217	08 06 20.11	+19 17 35.2	19.1 V	691	1997 AE ₁₉	1997 01 10.42970	09 29 43.17	+13 58 22.9	20.2 V	691
1997 AC ₁₆	1997 01 09.32506	08 06 18.66	+19 17 44.8	19.1 V	691	1997 AE ₁₉	1997 01 10.45154	09 29 42.36	+13 58 27.4	20.0 V	691

1997 AE ₁₉	1997 01 16.31087	09 26 00.98	+14 18 50.4	22.0 V	691	1997 AT ₁₉	1997 01 17.26381	09 09 26.34	+13 54 52.6	18.5 V	691
1997 AE ₁₉	1997 01 16.32639	09 26 00.31	+14 18 53.6	22.4 V	691	1997 AT ₁₉	1997 01 17.28540	09 09 24.89	+13 54 56.5	18.5 V	691
1997 AE ₁₉	1997 01 16.33987	09 25 59.71	+14 18 56.5	21.9 V	691	1997 AU ₁₉	* 1997 01 10.39831	09 16 21.49	+13 49 49.9	19.6 V	691
1997 AF ₁₉	* 1997 01 10.46152	09 12 11.98	+13 28 32.5	20.8 V	691	1997 AU ₁₉	1997 01 10.42044	09 16 20.58	+13 49 51.8	19.7 V	691
1997 AF ₁₉	1997 01 10.48313	09 12 11.05	+13 28 37.4	20.7 V	691	1997 AU ₁₉	1997 01 10.44228	09 16 19.68	+13 49 53.6	19.8 V	691
1997 AF ₁₉	1997 01 10.50489	09 12 10.09	+13 28 42.9	20.4 V	691	1997 AU ₁₉	1997 01 17.26518	09 11 25.60	+14 01 38.2	19.0 V	691
1997 AF ₁₉	1997 01 16.24873	09 07 42.84	+13 55 04.5	20.2 V	691	1997 AU ₁₉	1997 01 17.28678	09 11 24.56	+14 01 40.7	18.9 V	691
1997 AF ₁₉	1997 01 16.27102	09 07 41.70	+13 55 10.7	20.3 V	691	1997 AU ₁₉	1997 01 17.30855	09 11 23.52	+14 01 43.6	18.9 V	691
1997 AF ₁₉	1997 01 16.29633	09 07 40.45	+13 55 18.1	20.1 V	691	1997 AV ₁₉	* 1997 01 10.40225	09 22 02.37	+13 47 09.7	20.0 V	691
1997 AG ₁₉	* 1997 01 10.46192	09 12 45.97	+13 21 10.2	20.8 V	691	1997 AV ₁₉	1997 01 10.42437	09 22 01.49	+13 47 10.9	20.3 V	691
1997 AG ₁₉	1997 01 10.48352	09 12 45.25	+13 21 20.6	20.7 V	691	1997 AV ₁₉	1997 01 10.44621	09 22 00.62	+13 47 12.1	20.5 V	691
1997 AG ₁₉	1997 01 10.50528	09 12 44.49	+13 21 30.9	20.7 V	691	1997 AV ₁₉	1997 01 17.26922	09 17 15.00	+13 54 59.4	20.2 V	691
1997 AG ₁₉	1997 01 16.24983	09 09 18.46	+14 10 24.1	20.5 V	691	1997 AV ₁₉	1997 01 17.29081	09 17 14.03	+13 55 01.2	19.8 V	691
1997 AG ₁₉	1997 01 16.27212	09 09 17.55	+14 10 36.0	20.2 V	691	1997 AV ₁₉	1997 01 17.31259	09 17 13.05	+13 55 02.5	19.6 V	691
1997 AG ₁₉	1997 01 16.29743	09 09 16.52	+14 10 49.8	20.3 V	691	1997 AW ₁₉	* 1997 01 10.41066	09 34 11.59	+13 52 16.9	20.0 V	691
1997 AN ₁₉	* 1997 01 10.39651	09 13 45.28	+13 38 52.7	18.6 V	691	1997 AW ₁₉	1997 01 10.43279	09 34 10.80	+13 52 17.4	19.7 V	691
1997 AN ₁₉	1997 01 10.41863	09 13 44.25	+13 38 55.3	18.8 V	691	1997 AW ₁₉	1997 01 10.45463	09 34 09.99	+13 52 17.9	19.8 V	691
1997 AN ₁₉	1997 01 10.44047	09 13 43.23	+13 38 58.0	18.6 V	691	1997 AW ₁₉	1997 01 17.27786	09 29 43.99	+13 55 52.1	19.5 V	691
1997 AN ₁₉	1997 01 17.26310	09 08 04.21	+13 56 08.9	18.7 V	691	1997 AW ₁₉	1997 01 17.29946	09 29 43.03	+13 55 53.3	19.6 V	691
1997 AN ₁₉	1997 01 17.28473	09 08 02.96	+13 56 12.8	18.8 V	691	1997 AW ₁₉	1997 01 17.32123	09 29 42.07	+13 55 54.3	19.6 V	691
1997 AN ₁₉	1997 01 17.30648	09 08 01.73	+13 56 16.7	18.8 V	691	1997 AX ₁₉	* 1997 01 10.46301	09 14 20.96	+13 29 12.0	20.0 V	691
1997 AO ₁₉	* 1997 01 10.39682	09 14 12.32	+13 51 40.4	21.3 V	691	1997 AX ₁₉	1997 01 10.48462	09 14 20.05	+13 29 16.8	20.2 V	691
1997 AO ₁₉	1997 01 10.41895	09 14 11.45	+13 51 39.1	21.0 V	691	1997 AX ₁₉	1997 01 10.50637	09 14 19.11	+13 29 21.8	20.6 V	691
1997 AO ₁₉	1997 01 10.44079	09 14 10.49	+13 51 38.5	21.4 V	691	1997 AX ₁₉	1997 01 17.26365	09 09 12.48	+13 58 05.8	20.3 V	691
1997 AO ₁₉	1997 01 17.26357	09 09 05.99	+13 48 11.4	20.7 V	691	1997 AX ₁₉	1997 01 17.28524	09 09 11.36	+13 58 11.8	20.0 V	691
1997 AO ₁₉	1997 01 17.28517	09 09 04.90	+13 48 10.9	21.1 V	691	1997 AX ₁₉	1997 01 17.30701	09 09 10.25	+13 58 18.2	19.9 V	691
1997 AO ₁₉	1997 01 17.30694	09 09 03.87	+13 48 10.8	21.0 V	691	1997 AY ₁₉	* 1997 01 10.46367	09 15 18.55	+13 01 52.3	19.9 V	691
1997 AP ₁₉	* 1997 01 10.39715	09 14 41.30	+13 43 08.8	20.3 V	691	1997 AY ₁₉	1997 01 10.48528	09 15 17.69	+13 01 59.5	19.8 V	691
1997 AP ₁₉	1997 01 10.41928	09 14 40.44	+13 43 11.9	20.6 V	691	1997 AY ₁₉	1997 01 10.50704	09 15 16.83	+13 02 06.4	20.1 V	691
1997 AP ₁₉	1997 01 10.44112	09 14 39.60	+13 43 15.1	20.5 V	691	1997 AY ₁₉	1997 01 17.26453	09 10 29.20	+13 43 45.5	19.5 V	691
1997 AP ₁₉	1997 01 17.26422	09 10 01.90	+14 02 02.1	20.2 V	691	1997 AY ₁₉	1997 01 17.28613	09 10 28.11	+13 43 54.2	19.5 V	691
1997 AP ₁₉	1997 01 17.28581	09 10 00.91	+14 02 06.2	20.3 V	691	1997 AY ₁₉	1997 01 17.30790	09 10 26.99	+13 44 02.8	19.4 V	691
1997 AP ₁₉	1997 01 17.30759	09 09 59.94	+14 02 09.7	20.2 V	691	1997 AZ ₁₉	* 1997 01 10.46440	09 16 21.28	+13 29 26.3	20.9 V	691
1997 AQ ₁₉	* 1997 01 10.39786	09 15 42.74	+13 47 04.0	21.1 V	691	1997 AZ ₁₉	1997 01 10.48600	09 16 20.40	+13 29 30.4	20.9 V	691
1997 AQ ₁₉	1997 01 10.41999	09 15 41.57	+13 47 01.3	20.7 V	691	1997 AZ ₁₉	1997 01 10.50776	09 16 19.55	+13 29 33.2	20.7 V	691
1997 AQ ₁₉	1997 01 10.44182	09 15 40.42	+13 46 57.9	21.0 V	691	1997 AZ ₁₉	1997 01 17.26524	09 11 30.67	+13 51 08.7	20.4 V	691
1997 AQ ₁₉	1997 01 17.26382	09 09 27.56	+13 32 34.1	21.2 V	691	1997 AZ ₁₉	1997 01 17.28684	09 11 29.64	+13 51 13.1	20.4 V	691
1997 AQ ₁₉	1997 01 17.28541	09 09 26.28	+13 32 31.8	20.9 V	691	1997 AA ₂₀	* 1997 01 10.46978	09 24 08.49	+13 24 41.7	21.0 V	691
1997 AR ₁₉	* 1997 01 10.39804	09 15 58.41	+13 35 55.1	18.5 V	691	1997 AA ₂₀	1997 01 10.49139	09 24 07.75	+13 24 46.6	20.6 V	691
1997 AR ₁₉	1997 01 10.42017	09 15 57.44	+13 35 49.4	18.5 V	691	1997 AA ₂₀	1997 01 10.51315	09 24 07.06	+13 24 50.7	20.9 V	691
1997 AR ₁₉	1997 01 10.44201	09 15 56.48	+13 35 43.6	18.5 V	691	1997 AA ₂₀	1997 01 17.27113	09 20 00.81	+13 52 51.2	19.9 V	691
1997 AR ₁₉	1997 01 17.39132	09 10 28.47	+13 08 13.3	18.4 V	691	1997 AA ₂₀	1997 01 17.29273	09 19 59.83	+13 52 57.3	19.8 V	691
1997 AR ₁₉	1997 01 17.41292	09 10 27.25	+13 08 08.8	18.4 V	691	1997 AA ₂₀	1997 01 17.31450	09 19 58.90	+13 53 03.6	19.9 V	691
1997 AR ₁₉	1997 01 17.43571	09 10 25.97	+13 08 03.5	18.4 V	691	1997 AB ₂₀	* 1997 01 10.46981	09 24 10.99	+13 15 54.0	18.2 V	691
1997 AS ₁₉	* 1997 01 10.39806	09 15 59.40	+13 35 05.3	19.7 V	691	1997 AB ₂₀	1997 01 10.49141	09 24 10.24	+13 16 00.0	17.8 V	691
1997 AS ₁₉	1997 01 10.42018	09 15 58.43	+13 35 07.3	19.8 V	691	1997 AB ₂₀	1997 01 10.51317	09 24 09.48	+13 16 06.0	17.9 V	691
1997 AS ₁₉	1997 01 17.26465	09 10 39.70	+13 49 06.2	19.4 V	691	1997 AB ₂₀	1997 01 17.27110	09 19 58.43	+13 50 21.9	18.1 V	691
1997 AS ₁₉	1997 01 17.28625	09 10 38.52	+13 49 09.5	19.3 V	691	1997 AB ₂₀	1997 01 17.29270	09 19 57.55	+13 50 28.4	17.7 V	691
1997 AS ₁₉	1997 01 17.30802	09 10 37.36	+13 49 12.8	19.3 V	691	1997 AB ₂₀	1997 01 17.31448	09 19 56.65	+13 50 35.6	17.8 V	691
1997 AT ₁₉	* 1997 01 10.39821	09 16 12.90	+13 37 26.4	18.7 V	691	1997 AC ₂₀	1997 01 02.47638	09 29 32.14	+13 13 07.1	20.1 V	691
1997 AT ₁₉	1997 01 10.42034	09 16 11.64	+13 37 29.2	18.6 V	691	1997 AC ₂₀	1997 01 02.50671	09 29 31.35	+13 13 10.4	19.6 V	691
1997 AT ₁₉	1997 01 10.44217	09 16 10.41	+13 37 31.9	18.6 V	691	1997 AC ₂₀	1997 01 02.53712	09 29 30.51	+13 13 13.9	20.1 V	691

1997 AC ₂₀	* 1997 01 10.47077	09 25 34.60	+13 30 17.1	19.9 V	691	1997 AL ₂₀	1997 01 17.43809	09 13 51.95	+13 09 00.6	19.2 V	691
1997 AC ₂₀	1997 01 10.49238	09 25 33.85	+13 30 20.3	19.9 V	691	1997 AM ₂₀	* 1997 01 11.44344	09 21 31.83	+12 58 32.3	19.3 V	691
1997 AC ₂₀	1997 01 10.51414	09 25 33.13	+13 30 23.2	20.0 V	691	1997 AM ₂₀	1997 01 11.46536	09 21 30.87	+12 58 38.2	19.4 V	691
1997 AC ₂₀	1997 01 17.27216	09 21 29.92	+13 48 23.9	19.6 V	691	1997 AM ₂₀	1997 01 11.48722	09 21 29.89	+12 58 44.4	19.3 V	691
1997 AC ₂₀	1997 01 17.29376	09 21 29.06	+13 48 27.7	19.5 V	691	1997 AM ₂₀	1997 01 17.39577	09 16 53.83	+13 28 25.3	19.2 V	691
1997 AC ₂₀	1997 01 17.31553	09 21 28.22	+13 48 31.7	19.5 V	691	1997 AM ₂₀	1997 01 17.41737	09 16 52.69	+13 28 32.3	19.4 V	691
1997 AD ₂₀	* 1997 01 10.47572	09 32 44.18	+13 18 31.1	20.7 V	691	1997 AM ₂₀	1997 01 17.44017	09 16 51.49	+13 28 39.6	19.4 V	691
1997 AD ₂₀	1997 01 10.49733	09 32 43.43	+13 18 35.8	20.9 V	691	1997 AN ₂₀	* 1997 01 11.44508	09 23 54.04	+12 51 02.0	20.2 V	691
1997 AD ₂₀	1997 01 10.51909	09 32 42.79	+13 18 40.4	21.4 V	691	1997 AN ₂₀	1997 01 11.46700	09 23 53.21	+12 51 04.8	20.7 V	691
1997 AD ₂₀	1997 01 17.27722	09 28 48.47	+13 47 17.4	20.4 V	691	1997 AN ₂₀	1997 01 11.48886	09 23 52.38	+12 51 08.4	20.6 V	691
1997 AD ₂₀	1997 01 17.29882	09 28 47.63	+13 47 23.5	20.2 V	691	1997 AN ₂₀	1997 01 17.39790	09 19 58.57	+13 07 17.1	20.8 V	691
1997 AD ₂₀	1997 01 17.32060	09 28 46.78	+13 47 29.3	20.6 V	691	1997 AN ₂₀	1997 01 17.41951	09 19 57.60	+13 07 21.0	20.9 V	691
1997 AE ₂₀	* 1997 01 10.47601	09 33 09.65	+13 21 04.2	20.2 V	691	1997 AN ₂₀	1997 01 17.44230	09 19 56.65	+13 07 25.7	20.8 V	691
1997 AE ₂₀	1997 01 10.49762	09 33 08.88	+13 21 10.0	20.2 V	691	1997 AO ₂₀	* 1997 01 11.44588	09 25 03.11	+12 47 03.0	20.0 V	691
1997 AE ₂₀	1997 01 10.51938	09 33 08.19	+13 21 15.2	20.2 V	691	1997 AO ₂₀	1997 01 11.46780	09 25 02.34	+12 47 09.3	20.9 V	691
1997 AE ₂₀	1997 01 17.27757	09 29 18.79	+13 50 15.4	19.8 V	691	1997 AO ₂₀	1997 01 11.48966	09 25 01.46	+12 47 14.6	20.9 V	691
1997 AE ₂₀	1997 01 17.29917	09 29 17.89	+13 50 21.2	20.1 V	691	1997 AO ₂₀	1997 01 17.39872	09 21 09.49	+13 13 00.8	21.1 V	691
1997 AE ₂₀	1997 01 17.32094	09 29 17.02	+13 50 25.8	20.1 V	691	1997 AO ₂₀	1997 01 17.42033	09 21 08.56	+13 13 06.1	20.6 V	691
1997 AF ₂₀	* 1997 01 10.47714	09 34 47.79	+13 22 46.8	20.8 V	691	1997 AO ₂₀	1997 01 17.44312	09 21 07.59	+13 13 12.7	21.2 V	691
1997 AF ₂₀	1997 01 10.49875	09 34 47.10	+13 22 51.8	20.4 V	691	1997 AP ₂₀	* 1997 01 11.44618	09 25 29.65	+12 53 48.3	20.6 V	691
1997 AF ₂₀	1997 01 10.52051	09 34 46.42	+13 22 57.9	20.1 V	691	1997 AP ₂₀	1997 01 11.46810	09 25 28.74	+12 53 51.8	21.3 V	691
1997 AF ₂₀	1997 01 17.27859	09 30 47.06	+13 54 46.6	20.4 V	691	1997 AP ₂₀	1997 01 11.48996	09 25 27.81	+12 53 55.6	21.2 V	691
1997 AF ₂₀	1997 01 17.30019	09 30 46.13	+13 54 53.9	20.4 V	691	1997 AP ₂₀	1997 01 17.39872	09 21 09.79	+13 12 25.6	20.8 V	691
1997 AF ₂₀	1997 01 17.32196	09 30 45.16	+13 55 00.5	20.5 V	691	1997 AP ₂₀	1997 01 17.42033	09 21 08.76	+13 12 29.7	20.9 V	691
1997 AG ₂₀	* 1997 01 10.47716	09 34 48.94	+13 24 24.0	18.6 V	691	1997 AP ₂₀	1997 01 17.44312	09 21 07.67	+13 12 34.4	21.3 V	691
1997 AG ₂₀	1997 01 10.49876	09 34 48.23	+13 24 27.8	18.5 V	691	1997 AQ ₂₀	* 1997 01 11.44686	09 26 28.66	+12 44 57.0	20.9 V	691
1997 AG ₂₀	1997 01 10.52052	09 34 47.55	+13 24 31.8	18.5 V	691	1997 AQ ₂₀	1997 01 11.46878	09 26 27.64	+12 45 01.8	21.1 V	691
1997 AG ₂₀	1997 01 17.27864	09 30 51.61	+13 47 18.8	17.6 V	691	1997 AQ ₂₀	1997 01 11.49064	09 26 26.64	+12 45 07.2	20.8 V	691
1997 AG ₂₀	1997 01 17.30024	09 30 50.73	+13 47 23.6	17.6 V	691	1997 AQ ₂₀	1997 01 17.39916	09 21 47.39	+13 10 04.0	21.0 V	691
1997 AG ₂₀	1997 01 17.32202	09 30 49.85	+13 47 28.5	17.6 V	691	1997 AQ ₂₀	1997 01 17.42076	09 21 46.31	+13 10 09.8	21.0 V	691
1997 AH ₂₀	* 1997 01 10.48534	09 15 22.61	+13 02 26.8	20.4 V	691	1997 AQ ₂₀	1997 01 17.44355	09 21 45.12	+13 10 15.7	20.8 V	691
1997 AH ₂₀	1997 01 10.50709	09 15 21.51	+13 02 31.9	20.1 V	691	1997 AR ₂₀	* 1997 01 11.44907	09 29 39.60	+12 46 52.3	20.2 V	691
1997 AH ₂₀	1997 01 17.39047	09 09 14.70	+13 28 54.1	20.8 V	691	1997 AR ₂₀	1997 01 11.47099	09 29 38.71	+12 46 59.3	20.4 V	691
1997 AH ₂₀	1997 01 17.41207	09 09 13.41	+13 28 59.4	20.4 V	691	1997 AR ₂₀	1997 01 11.49285	09 29 37.81	+12 47 05.5	20.4 V	691
1997 AH ₂₀	1997 01 17.43486	09 09 12.04	+13 29 04.7	20.2 V	691	1997 AR ₂₀	1997 01 17.40161	09 25 19.49	+13 19 10.9	20.5 V	691
1997 AJ ₂₀	* 1997 01 11.43872	09 14 42.78	+12 53 33.5	20.5 V	691	1997 AR ₂₀	1997 01 17.42321	09 25 18.43	+13 19 18.4	20.3 V	691
1997 AJ ₂₀	1997 01 11.46064	09 14 41.89	+12 53 36.7	20.6 V	691	1997 AR ₂₀	1997 01 17.44600	09 25 17.25	+13 19 25.9	20.6 V	691
1997 AJ ₂₀	1997 01 11.48250	09 14 40.99	+12 53 40.3	20.6 V	691	1997 AS ₂₀	* 1997 01 11.45013	09 31 11.31	+12 56 13.6	20.7 V	691
1997 AJ ₂₀	1997 01 17.39131	09 10 27.75	+13 11 56.2	20.6 V	691	1997 AS ₂₀	1997 01 11.47205	09 31 10.58	+12 56 21.3	20.7 V	691
1997 AJ ₂₀	1997 01 17.41292	09 10 26.61	+13 12 00.5	20.3 V	691	1997 AS ₂₀	1997 01 11.49391	09 31 09.90	+12 56 28.5	20.8 V	691
1997 AJ ₂₀	1997 01 17.43571	09 10 25.48	+13 12 05.2	20.7 V	691	1997 AS ₂₀	1997 01 17.40337	09 27 51.94	+13 31 51.5	20.9 V	691
1997 AK ₂₀	* 1997 01 11.44044	09 17 12.24	+12 44 52.1	20.0 V	691	1997 AS ₂₀	1997 01 17.42497	09 27 51.11	+13 31 59.4	20.7 V	691
1997 AK ₂₀	1997 01 11.46236	09 17 11.17	+12 44 56.4	20.1 V	691	1997 AS ₂₀	1997 01 17.44777	09 27 50.31	+13 32 07.8	20.9 V	691
1997 AK ₂₀	1997 01 11.48422	09 17 10.13	+12 45 00.5	20.4 V	691	1997 AT ₂₀	* 1997 01 11.45018	09 31 16.16	+12 56 32.8	18.9 V	691
1997 AK ₂₀	1997 01 17.39253	09 12 12.75	+13 06 58.7	20.3 V	691	1997 AT ₂₀	1997 01 11.47210	09 31 15.21	+12 56 35.2	18.8 V	691
1997 AK ₂₀	1997 01 17.41413	09 12 11.51	+13 07 04.5	20.3 V	691	1997 AT ₂₀	1997 01 11.49396	09 31 14.27	+12 56 37.1	18.8 V	691
1997 AK ₂₀	1997 01 17.43692	09 12 10.20	+13 07 09.6	20.4 V	691	1997 AT ₂₀	1997 01 17.40261	09 26 46.21	+13 07 49.5	18.7 V	691
1997 AL ₂₀	* 1997 01 11.44168	09 18 59.55	+12 39 52.1	19.0 V	691	1997 AT ₂₀	1997 01 17.42421	09 26 45.14	+13 07 52.3	18.7 V	691
1997 AL ₂₀	1997 01 11.46360	09 18 58.48	+12 39 57.8	19.3 V	691	1997 AT ₂₀	1997 01 17.44701	09 26 43.99	+13 07 54.8	18.8 V	691
1997 AL ₂₀	1997 01 11.48546	09 18 57.41	+12 40 03.6	19.2 V	691	1997 AU ₂₀	* 1997 01 11.45067	09 31 57.91	+12 59 48.8	19.9 V	691
1997 AL ₂₀	1997 01 17.39370	09 13 54.51	+13 08 46.6	19.1 V	691	1997 AU ₂₀	1997 01 11.47259	09 31 57.16	+12 59 53.7	20.4 V	691
1997 AL ₂₀	1997 01 17.41530	09 13 53.27	+13 08 53.5	19.0 V	691	1997 AU ₂₀	1997 01 11.49445	09 31 56.33	+12 59 56.6	20.3 V	691

1997 AU ₂₀	1997 01 17.40344	09 27 58.72	+13 16 47.1	19.5 V	691	1997 BJ	1997 01 17.41509	09 13 35.18	+13 30 05.1	21.2 V	691
1997 AU ₂₀	1997 01 17.42505	09 27 57.74	+13 16 51.3	19.4 V	691	1997 BJ	1997 01 17.43788	09 13 33.86	+13 30 10.9	21.4 V	691
1997 AU ₂₀	1997 01 17.44784	09 27 56.71	+13 16 55.3	19.6 V	691	1997 BK	* 1997 01 16.26673	09 14 53.78	+13 23 31.5	18.7 V	691
1997 AV ₂₀	* 1997 01 11.45149	09 33 09.51	+12 50 10.8	19.2 V	691	1997 BK	1997 01 16.29126	09 14 52.71	+13 23 35.3	18.7 V	691
1997 AV ₂₀	1997 01 11.47341	09 33 08.64	+12 50 20.8	19.1 V	691	1997 BK	1997 01 16.31728	09 14 51.58	+13 23 39.2	18.9 V	691
1997 AV ₂₀	1997 01 11.49527	09 33 07.78	+12 50 30.1	19.2 V	691	1997 BK	1997 01 17.39383	09 14 05.38	+13 26 26.7	18.9 V	691
1997 AV ₂₀	1997 01 17.27742	09 29 06.01	+13 36 26.7	18.8 V	691	1997 BK	1997 01 17.41543	09 14 04.41	+13 26 30.2	19.0 V	691
1997 AV ₂₀	1997 01 17.29902	09 29 04.98	+13 36 37.9	18.8 V	691	1997 BK	1997 01 17.43822	09 14 03.39	+13 26 33.8	19.0 V	691
1997 AV ₂₀	1997 01 17.32079	09 29 03.93	+13 36 48.9	18.8 V	691	2091 P-L	1996 12 17.40667	08 47 03.54	+14 00 02.0	19.0 V	691
1997 AW ₂₀	* 1997 01 11.45202	09 33 55.52	+12 49 00.0	20.1 V	691	2091 P-L	1996 12 17.42859	08 47 03.01	+14 00 00.8	19.1 V	691
1997 AW ₂₀	1997 01 11.47394	09 33 54.56	+12 49 02.6	20.0 V	691	2091 P-L	1996 12 17.45108	08 47 02.45	+13 59 59.2	19.0 V	691
1997 AW ₂₀	1997 01 11.49580	09 33 53.61	+12 49 04.2	20.1 V	691	2594 P-L	1997 01 02.47865	09 32 48.48	+13 19 18.6	19.0 V	691
1997 AW ₂₀	1997 01 17.40435	09 29 16.75	+13 02 07.8	19.7 V	691	2594 P-L	1997 01 02.50898	09 32 47.70	+13 19 22.7	19.0 V	691
1997 AW ₂₀	1997 01 17.42595	09 29 15.60	+13 02 11.0	20.2 V	691	2594 P-L	1997 01 02.53939	09 32 46.93	+13 19 26.9	19.1 V	691
1997 AW ₂₀	1997 01 17.44874	09 29 14.35	+13 02 14.6	20.2 V	691	6074 P-L	1997 01 06.27052	08 07 24.63	+21 03 21.5	19.7 V	691
1997 AX ₂₀	* 1997 01 11.45262	09 34 47.26	+12 49 49.3	19.2 V	691	6074 P-L	1997 01 06.30010	08 07 22.59	+21 03 27.6	19.2 V	691
1997 AX ₂₀	1997 01 11.47454	09 34 46.33	+12 49 54.1	19.1 V	691	6074 P-L	1997 01 06.32261	08 07 21.04	+21 03 31.9	19.3 V	691
1997 AX ₂₀	1997 01 11.49640	09 34 45.42	+12 49 58.3	19.1 V	691	2327 T-3	1996 12 17.06763	03 24 43.61	+19 32 13.6	18.2 V	691
1997 AX ₂₀	1997 01 17.40508	09 30 20.45	+13 12 12.8	18.7 V	691	2327 T-3	1996 12 17.08984	03 24 42.90	+19 32 09.6	18.1 V	691
1997 AX ₂₀	1997 01 17.42668	09 30 19.34	+13 12 18.1	18.7 V	691	2327 T-3	1996 12 17.12115	03 24 41.75	+19 32 04.2	17.8 V	691
1997 AX ₂₀	1997 01 17.44948	09 30 18.18	+13 12 23.5	18.8 V	691	(222)	1996 12 17.15398	03 36 37.54	+18 31 31.3	14.7 V	691
1997 AY ₂₀	* 1997 01 11.45297	09 35 17.61	+12 51 20.6	19.6 V	691	(222)	1996 12 17.17729	03 36 36.66	+18 31 29.3	14.9 V	691
1997 AY ₂₀	1997 01 11.47489	09 35 16.78	+12 51 25.6	19.7 V	691	(222)	1996 12 17.20128	03 36 35.76	+18 31 27.2	15.0 V	691
1997 AY ₂₀	1997 01 11.49675	09 35 15.95	+12 51 29.6	19.8 V	691	(352)	1996 12 17.33322	08 37 33.08	+14 37 36.3	13.1 V	691
1997 AY ₂₀	1997 01 17.40577	09 31 20.43	+13 13 12.7	20.0 V	691	(352)	1996 12 17.35530	08 37 32.45	+14 37 34.9	13.2 V	691
1997 AY ₂₀	1997 01 17.42738	09 31 19.50	+13 13 18.2	20.0 V	691	(352)	1996 12 17.37696	08 37 31.84	+14 37 33.5	13.3 V	691
1997 AY ₂₀	1997 01 17.45017	09 31 18.42	+13 13 23.1	20.5 V	691	(469)	1996 12 18.52086	12 02 31.23	-01 19 09.4	13.7 V	691
1997 AZ ₂₀	* 1997 01 11.46146	09 15 52.94	+12 49 10.2	20.9 V	691	(469)	1996 12 18.52631	12 02 31.50	-01 19 12.7	13.7 V	691
1997 AZ ₂₀	1997 01 11.48332	09 15 52.02	+12 49 17.6	21.4 V	691	(469)	1996 12 18.53148	12 02 31.76	-01 19 15.7	13.7 V	691
1997 AZ ₂₀	1997 01 17.39191	09 11 19.60	+13 27 28.3	21.4 V	691	(503)	1997 01 12.09172	03 18 01.58	+18 48 21.5	12.8 V	691
1997 AZ ₂₀	1997 01 17.41351	09 11 18.50	+13 27 37.8	20.7 V	691	(503)	1997 01 12.11398	03 18 01.86	+18 48 26.2	12.8 V	691
1997 AZ ₂₀	1997 01 17.43631	09 11 17.27	+13 27 46.7	20.8 V	691	(503)	1997 01 12.13614	03 18 02.14	+18 48 30.1	12.7 V	691
1997 AA ₂₁	* 1997 01 11.46710	09 24 02.27	+12 43 32.2	20.8 V	691	(538)	1997 01 02.47559	09 28 23.21	+13 04 35.1	14.7 V	691
1997 AA ₂₁	1997 01 11.48897	09 24 01.36	+12 43 35.8	20.7 V	691	(538)	1997 01 02.50592	09 28 22.36	+13 04 41.1	14.6 V	691
1997 AA ₂₁	1997 01 17.39766	09 19 37.54	+13 01 11.3	20.6 V	691	(538)	1997 01 02.53633	09 28 21.56	+13 04 46.4	14.8 V	691
1997 AA ₂₁	1997 01 17.41926	09 19 36.48	+13 01 15.1	20.8 V	691	(538)	1997 01 10.40384	09 24 20.63	+13 32 43.0	14.6 V	691
1997 AA ₂₁	1997 01 17.44206	09 19 35.35	+13 01 19.1	21.1 V	691	(538)	1997 01 10.42597	09 24 19.82	+13 32 48.2	14.5 V	691
1997 AB ₂₁	* 1997 01 11.51150	09 19 45.73	+13 40 57.4	21.2 V	691	(538)	1997 01 10.44781	09 24 19.04	+13 32 53.3	14.5 V	691
1997 AB ₂₁	1997 01 11.51898	09 19 45.40	+13 40 59.5	21.2 V	691	(538)	1997 01 17.27114	09 20 01.76	+14 01 27.6	14.3 V	691
1997 AB ₂₁	1997 01 17.26799	09 15 29.10	+14 02 32.5	21.1 V	691	(538)	1997 01 17.29274	09 20 00.88	+14 01 33.0	14.3 V	691
1997 AB ₂₁	1997 01 17.28959	09 15 28.03	+14 02 37.4	21.1 V	691	(538)	1997 01 17.31451	09 19 59.97	+14 01 38.9	14.3 V	691
1997 AB ₂₁	1997 01 17.31136	09 15 26.97	+14 02 42.5	20.8 V	691	(543)	1997 01 03.26248	08 08 30.42	+20 25 21.3	13.5 V	691
1997 BH	* 1997 01 16.26608	09 13 55.16	+13 14 27.3	19.3 V	691	(543)	1997 01 03.28462	08 08 29.24	+20 25 21.4	13.7 V	691
1997 BH	1997 01 16.29061	09 13 53.91	+13 14 31.9	19.6 V	691	(543)	1997 01 03.30691	08 08 28.04	+20 25 21.2	13.4 V	691
1997 BH	1997 01 16.31664	09 13 52.55	+13 14 37.0	19.7 V	691	(625)	1996 12 17.34057	08 48 09.96	+14 50 54.8	14.8 V	691
1997 BH	1997 01 17.39305	09 12 58.51	+13 17 56.6	19.6 V	691	(625)	1996 12 17.36265	08 48 09.42	+14 50 59.4	14.7 V	691
1997 BH	1997 01 17.41466	09 12 57.34	+13 18 00.8	19.8 V	691	(625)	1996 12 17.38431	08 48 08.87	+14 51 04.2	14.7 V	691
1997 BH	1997 01 17.43745	09 12 56.12	+13 18 05.3	19.8 V	691	(873)	1996 12 17.40025	08 37 47.62	+14 07 37.3	16.2 V	691
1997 BJ	* 1997 01 16.26657	09 14 39.96	+13 25 37.9	20.7 V	691	(873)	1996 12 17.42218	08 37 47.09	+14 07 39.2	16.2 V	691
1997 BJ	1997 01 16.29109	09 14 38.53	+13 25 43.6	21.1 V	691	(873)	1996 12 17.44467	08 37 46.48	+14 07 41.4	16.1 V	691
1997 BJ	1997 01 16.31711	09 14 37.04	+13 25 49.6	20.9 V	691	(1273)	1997 01 03.34416	09 32 05.92	+13 00 07.1	17.3 V	691
1997 BJ	1997 01 17.39349	09 13 36.44	+13 30 00.4	21.2 V	691	(1273)	1997 01 03.36556	09 32 05.12	+13 00 07.8	17.0 V	691

(1273)	1997 01 03.38731	09 32 04.32	+13 00 09.0	17.0 V	691	(4326)	1997 01 09.25181	08 31 32.27	+19 55 29.9	17.8 V	691
(1273)	1997 01 10.47190	09 27 13.09	+13 07 48.6	16.8 V	691	(4326)	1997 01 09.27403	08 31 31.24	+19 55 34.7	17.8 V	691
(1273)	1997 01 10.49351	09 27 12.04	+13 07 50.4	16.8 V	691	(4478)	1997 01 03.33280	09 15 41.89	+12 41 34.2	18.2 V	691
(1273)	1997 01 10.51527	09 27 11.03	+13 07 52.4	16.9 V	691	(4478)	1997 01 03.37595	09 15 40.33	+12 41 36.1	17.5 V	691
(1273)	1997 01 17.39887	09 21 22.23	+13 20 14.5	16.9 V	691	(4478)	1997 01 11.43525	09 09 42.94	+12 53 09.6	17.7 V	691
(1273)	1997 01 17.42047	09 21 21.02	+13 20 17.1	16.8 V	691	(4478)	1997 01 11.45717	09 09 41.78	+12 53 12.0	17.7 V	691
(1273)	1997 01 17.44326	09 21 19.72	+13 20 19.2	16.6 V	691	(4478)	1997 01 11.47903	09 09 40.64	+12 53 14.5	17.7 V	691
(1455)	1997 01 02.48439	09 41 05.95	+13 25 59.1	16.3 V	691	(4823)	1997 01 06.27748	08 17 28.25	+21 01 57.7	16.9 V	691
(1455)	1997 01 02.51473	09 41 05.44	+13 26 07.9	16.3 V	691	(4823)	1997 01 06.30706	08 17 26.25	+21 02 03.5	16.8 V	691
(1455)	1997 01 02.54514	09 41 04.91	+13 26 16.9	16.3 V	691	(4823)	1997 01 06.32957	08 17 24.72	+21 02 07.4	16.8 V	691
(1530)	1997 01 11.44226	09 19 49.83	+12 49 27.4	16.5 V	691	(5407)	1996 12 17.34428	08 53 31.03	+14 42 41.4	17.0 V	691
(1530)	1997 01 11.46418	09 19 48.63	+12 49 29.3	16.6 V	691	(5407)	1996 12 17.36637	08 53 30.98	+14 42 49.2	16.9 V	691
(1530)	1997 01 11.48604	09 19 47.40	+12 49 31.5	17.0 V	691	(5407)	1996 12 17.38803	08 53 30.94	+14 42 56.8	16.9 V	691
(1530)	1997 01 17.39383	09 14 05.72	+13 01 33.4	16.4 V	691	(5578)	1997 01 10.39345	09 09 20.63	+14 00 51.5	17.3 V	691
(1530)	1997 01 17.41543	09 14 04.34	+13 01 36.3	16.5 V	691	(5578)	1997 01 10.41558	09 09 19.70	+14 00 55.2	17.2 V	691
(1530)	1997 01 17.43822	09 14 02.89	+13 01 39.6	16.7 V	691	(5578)	1997 01 10.43742	09 09 18.78	+14 00 58.9	17.2 V	691
(2376)	1997 01 09.43899	09 04 46.05	+21 40 53.4	15.9 V	691	(5589)	1997 01 02.46273	09 09 49.89	+13 17 59.0	18.0 V	691
(2376)	1997 01 09.46143	09 04 45.13	+21 40 59.1	16.4 V	691	(5589)	1997 01 02.49306	09 09 48.86	+13 18 02.1	17.9 V	691
(2376)	1997 01 09.48381	09 04 44.20	+21 41 03.6	16.2 V	691	(5589)	1997 01 02.52347	09 09 47.81	+13 18 05.1	17.8 V	691
(2455)	1997 01 09.22444	08 23 58.03	+19 57 57.4	15.3 V	691	(5693)	1996 12 17.49666	11 35 46.71	+06 19 46.2	18.2 V	691
(2455)	1997 01 09.24668	08 23 56.74	+19 57 57.8	15.4 V	691	(5693)	1996 12 17.50361	11 35 46.63	+06 19 50.2	18.2 V	691
(2455)	1997 01 09.26890	08 23 55.43	+19 57 58.2	15.3 V	691	(5693)	1996 12 17.50989	11 35 46.55	+06 19 53.5	18.2 V	691
(2815)	1997 01 09.28438	08 12 41.88	+19 16 16.0	15.8 V	691	(5828)	1996 12 17.48109	07 52 45.54	+06 14 07.8	20.9 V	691
(2815)	1997 01 09.30656	08 12 40.39	+19 16 24.3	15.8 V	691	(5828)	1996 12 17.48828	07 52 45.05	+06 14 10.0	21.0 V	691
(2815)	1997 01 09.32945	08 12 38.83	+19 16 32.8	15.8 V	691	(5999)	1996 12 17.07643	03 37 26.45	+19 12 27.3	16.6 V	691
(2815)	1997 01 10.23791	08 11 39.31	+19 22 04.1	15.7 V	691	(5999)	1996 12 17.09864	03 37 24.54	+19 12 46.7	17.2 V	691
(2815)	1997 01 10.24362	08 11 38.93	+19 22 06.3	15.7 V	691	(5999)	1996 12 17.12993	03 37 21.78	+19 13 13.7	16.7 V	691
(2815)	1997 01 10.25153	08 11 38.39	+19 22 09.3	15.7 V	691	(6076)	1997 01 11.43682	09 11 58.77	+12 30 40.6	16.7 V	691
(2874)	1997 01 09.45302	09 25 17.95	+21 31 24.5	15.6 V	691	(6076)	1997 01 11.45874	09 11 57.87	+12 30 47.1	16.6 V	691
(2874)	1997 01 09.47546	09 25 16.91	+21 31 33.8	15.6 V	691	(6076)	1997 01 11.48060	09 11 56.99	+12 30 53.9	16.7 V	691
(2874)	1997 01 09.49783	09 25 15.88	+21 31 42.9	15.6 V	691	(6237)	1997 01 09.35884	09 21 57.50	+22 31 13.1	17.5 V	691
(3186)	1997 01 09.27920	08 05 00.42	+19 23 08.5	17.5 V	691	(6237)	1997 01 09.38145	09 21 56.77	+22 31 17.1	17.6 V	691
(3186)	1997 01 09.32429	08 04 58.05	+19 23 16.0	17.4 V	691	(6237)	1997 01 09.40395	09 21 56.05	+22 31 21.3	17.7 V	691
(3585)	1996 12 18.19561	03 40 37.61	+15 19 54.6	17.6 V	691	(6551)	1997 01 11.45224	09 34 14.42	+12 49 33.9	17.0 V	691
(3585)	1996 12 18.22046	03 40 36.64	+15 19 52.9	17.5 V	691	(6551)	1997 01 11.47416	09 34 13.49	+12 49 43.0	17.1 V	691
(3585)	1996 12 18.24431	03 40 35.70	+15 19 50.6	17.5 V	691	(6551)	1997 01 11.49602	09 34 12.59	+12 49 51.5	17.3 V	691
(3649)	1997 01 09.21301	08 07 03.78	+19 47 01.6	16.8 V	691	(6747)	1997 01 10.28794	09 15 31.59	+21 20 24.7	17.9 V	691
(3649)	1997 01 09.23525	08 07 02.66	+19 47 08.0	16.4 V	691	(6747)	1997 01 10.31151	09 15 30.57	+21 20 29.7	18.1 V	691
(3649)	1997 01 09.25748	08 07 01.57	+19 47 13.9	16.6 V	691	(6747)	1997 01 10.33402	09 15 29.59	+21 20 34.7	18.3 V	691
(3875)	1996 12 17.34857	08 59 42.53	+14 42 03.1	18.1 V	691	(7340)	1997 01 16.16279	03 24 26.16	+19 46 17.1	18.4 V	691
(3875)	1996 12 17.37065	08 59 42.04	+14 42 06.6	18.2 V	691	(7340)	1997 01 16.19017	03 24 26.39	+19 46 16.9	18.4 V	691
(3875)	1996 12 17.39231	08 59 41.57	+14 42 10.1	18.3 V	691	(7340)	1997 01 16.21837	03 24 26.65	+19 46 17.1	18.6 V	691
(3935)	1997 01 10.40362	09 24 01.03	+13 32 55.5	15.4 V	691	(7345)	1996 12 17.14472	03 23 15.26	+18 31 00.6	17.6 V	691
(3935)	1997 01 10.42574	09 23 59.84	+13 32 54.5	15.5 V	691	(7345)	1996 12 17.16803	03 23 14.62	+18 31 01.8	17.5 V	691
(3935)	1997 01 10.44758	09 23 58.70	+13 32 53.5	15.5 V	691	(7345)	1996 12 17.19203	03 23 13.96	+18 31 03.4	17.4 V	691
(3935)	1997 01 17.39622	09 17 32.72	+13 30 12.9	15.5 V	691	(7345)	1997 01 10.09297	03 23 33.00	+19 19 28.1	18.3 V	691
(3935)	1997 01 17.41782	09 17 31.37	+13 30 12.7	15.5 V	691	(7345)	1997 01 10.11513	03 23 33.48	+19 19 31.9	18.3 V	691
(3935)	1997 01 17.44061	09 17 29.97	+13 30 12.5	15.5 V	691	(7345)	1997 01 10.13733	03 23 34.00	+19 19 36.1	18.4 V	691
(4299)	1996 12 18.20607	03 55 43.30	+15 13 35.5	15.1 V	691						
(4299)	1996 12 18.23092	03 55 42.23	+15 13 39.4	15.1 V	691						
(4299)	1996 12 18.25476	03 55 41.15	+15 13 43.3	15.1 V	691						
(4326)	1997 01 09.22957	08 31 33.32	+19 55 25.4	17.9 V	691						

696 F. L. Whipple Observatory, Mount Hopkins

B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,
Cambridge, MA 02138, U.S.A. [bmarsden@cfa.harvard.edu]
Observer C. W. Hergenrother

Measurer C. W. Hergenrother
1.2-m $f/8$ reflector + CCD
GSC

1996 FG ₃	1996 12 15.42369	11 05 10.47	+05 56 28.8	696
1996 FG ₃	1996 12 15.42762	11 05 10.69	+05 56 26.8	696
1996 FG ₃	1996 12 15.43154	11 05 10.91	+05 56 25.0	696
1996 FG ₃	1996 12 16.43844	11 06 09.74	+05 48 19.1	696
1996 FG ₃	1996 12 16.43992	11 06 09.84	+05 48 18.5	696
1996 FG ₃	1996 12 16.44140	11 06 09.93	+05 48 18.1	696
1996 RJ	1996 12 15.05662	22 07 17.02	+20 35 40.7	696
1996 RJ	1996 12 15.05765	22 07 17.07	+20 35 40.6	696
1996 RJ	1996 12 15.05863	22 07 17.10	+20 35 40.4	696
1996 RN ₂	1996 12 15.06144	23 28 19.12	+20 41 59.5	696
1996 RN ₂	1996 12 15.06223	23 28 19.21	+20 41 59.4	696
1996 RN ₂	1996 12 15.06304	23 28 19.30	+20 41 59.4	696
1996 RR ₅	1996 12 15.06427	22 28 49.76	+13 39 23.7	696
1996 RR ₅	1996 12 15.06507	22 28 49.86	+13 39 23.7	696
1996 RR ₅	1996 12 15.06586	22 28 49.96	+13 39 23.7	696
1996 UM	1996 12 15.06771	01 34 25.49	-13 01 12.4	696
1996 UM	1996 12 15.06850	01 34 25.52	-13 01 12.2	696
1996 UM	1996 12 15.06928	01 34 25.55	-13 01 12.0	696
1996 XQ ₁₈	1996 12 16.36478	05 12 00.89	+51 53 55.6	696
1996 XQ ₁₈	1996 12 16.36608	05 12 00.78	+51 53 56.0	696
1996 XQ ₁₈	1996 12 16.36852	05 12 00.57	+51 53 55.5	696
1996 XQ ₁₈	1996 12 17.25723	05 10 51.10	+51 53 42.0	696
1996 XQ ₁₈	1996 12 17.26251	05 10 50.66	+51 53 41.8	696
1996 XF ₂₆	1996 12 15.25258	03 46 33.05	+08 58 38.3	696
1996 XF ₂₆	1996 12 15.26072	03 46 32.96	+08 58 37.3	696
1996 XF ₂₆	1996 12 16.35049	03 46 26.96	+08 56 04.8	696
1996 XF ₂₆	1996 12 16.35441	03 46 26.88	+08 56 04.0	696

709 W & B Observatory, Cloudcroft

W. Offutt, P.O. Drawer 1130, Cloudcroft, NM 88317, U.S.A.

[offutt@galileo.apo.nmsu.edu]

0.60-m $f/7$ Ritchey-Chrétien + CCD
GSC

(704)	1996 12 17.21292	03 24 12.78	+33 38 01.0	10.1 V	709
(704)	1996 12 17.21993	03 24 12.56	+33 37 56.8	10.1 V	709
(704)	1996 12 17.24076	03 24 11.88	+33 37 44.0	10.0 V	709
(704)	1996 12 17.26160	03 24 11.20	+33 37 31.2	10.0 V	709
(704)	1996 12 17.28243	03 24 10.54	+33 37 18.3	10.1 V	709
(704)	1996 12 17.30326	03 24 09.87	+33 37 05.6	10.1 V	709
(704)	1996 12 17.32410	03 24 09.21	+33 36 52.7	10.0 V	709
(704)	1996 12 17.34493	03 24 08.56	+33 36 39.8	10.1 V	709
(704)	1996 12 17.39811	03 24 06.91	+33 36 06.9	10.2 V	I 709
(704)	1996 12 17.40018	03 24 06.84	+33 36 05.6	10.2 V	709
(704)	1996 12 17.40227	03 24 06.78	+33 36 04.3	10.3 V	709

710 Florissant

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[71511.515@compuserve.com]

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

(551)	1996 12 15.12917	04 49 40.87	+23 04 15.9	710
(706)	1996 12 15.07917	03 16 10.40	+41 13 33.2	710
(753)	1996 12 15.09444	04 06 33.10	+23 22 34.1	710
(753)	1996 12 26.09931	03 56 41.47	+23 20 46.5	710
(1024)	1996 12 13.20347	03 04 00.26	+18 24 46.8	710
(1024)	1996 12 26.11042	02 58 35.05	+19 28 07.1	710
(1314)	1996 12 13.20764	06 08 25.41	+23 05 55.8	710
(1321)	1996 12 15.10208	02 36 56.48	+28 53 25.9	710
(1321)	1996 12 26.13333	02 34 18.62	+27 58 24.4	710
(1567)	1996 12 15.10625	04 04 53.73	+29 00 25.8	710
(1567)	1996 12 26.15069	03 56 04.36	+29 06 51.0	710
(1644)	1996 12 13.21528	05 18 25.44	+25 20 03.5	710
(1662)	1996 12 26.16597	02 38 40.33	+22 03 17.8	710
(4179)	1996 12 08.47604	10 19 47.35	+04 13 03.2	710
(4179)	1996 12 08.47813	10 19 45.84	+04 13 14.8	710
(4179)	1996 12 08.48021	10 19 44.37	+04 13 26.4	710
(4179)	1996 12 08.48229	10 19 42.96	+04 13 40.1	710
(4179)	1996 12 08.48438	10 19 41.44	+04 13 52.3	710
(4179)	1996 12 08.48646	10 19 39.93	+04 14 02.5	710
(4179)	1996 12 08.48854	10 19 38.48	+04 14 14.8	710
(4179)	1996 12 08.49062	10 19 37.07	+04 14 26.1	710
(4179)	1996 12 08.49271	10 19 35.52	+04 14 41.0	710
(4179)	1996 12 08.49479	10 19 34.09	+04 14 52.8	710
(4179)	1996 12 11.39201	09 53 14.97	+08 04 03.5	710
(4179)	1996 12 11.39826	09 53 11.89	+08 04 26.9	710
(4179)	1996 12 11.40104	09 53 10.54	+08 04 37.7	710
(4179)	1996 12 11.40451	09 53 08.83	+08 04 51.9	710
(4179)	1996 12 11.40868	09 53 06.84	+08 05 07.5	710
(4179)	1996 12 11.41215	09 53 05.19	+08 05 20.7	710
(4289)	1996 12 15.11944	03 38 13.77	+18 16 18.7	710
(4289)	1996 12 26.17083	03 32 58.63	+18 47 57.5	710
(4547)	1996 12 15.12431	02 12 24.93	+38 49 36.1	710
(4547)	1996 12 26.17708	02 10 58.76	+37 52 58.0	710
(5253)	1996 12 13.21944	04 06 40.74	+24 15 47.9	710
(5253)	1996 12 26.18958	03 41 30.16	+29 14 23.5	710
(5438)	1996 12 26.19583	04 09 08.98	+48 02 11.0	710
(5508)	1996 12 13.22569	03 44 16.01	+26 05 52.4	710
(5508)	1996 12 26.20417	03 35 57.45	+25 59 34.5	710
(5536)	1996 12 13.23403	04 07 46.27	+20 41 43.1	710
(6619)	1996 12 13.23819	03 17 43.71	+40 13 49.7	710
(6619)	1996 12 26.22569	03 08 23.48	+39 37 45.9	710

721 Lime Creek

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

1997 AR	1997 01 06.20803	08 39 19.13	+18 00 21.0	18.7 V	721
1997 AR	1997 01 06.21731	08 39 18.77	+18 00 21.4	18.8 V	721
1997 AR	1997 01 06.24964	08 39 17.01	+18 00 26.7	18.7 V	721
1997 AR	1997 01 06.26404	08 39 16.07	+18 00 28.5	18.7 V	721
1997 AR	1997 01 07.26759	08 38 23.53	+18 02 55.6	18.4 V	721

1997 AR	1997 01 07.28653	08 38 22.40	+18 02 58.3	18.7 V	721
1997 AR	1997 01 07.30159	08 38 21.62	+18 03 00.6	18.5 V	721

732 Oaxaca

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0.20-m $f/7.4$ reflector + CCD

GSC

1979 SU ₁₁	1996 12 15.09208	03 27 19.77	+17 12 52.8	17.9 R	732
1979 SU ₁₁	1996 12 15.10457	03 27 19.39	+17 12 52.7	17.4 R	732
1979 SU ₁₁	1996 12 15.11251	03 27 19.04	+17 12 52.0	18.0 R	732
1979 SU ₁₁	1996 12 16.20291	03 26 43.15	+17 11 54.2	17.6 R	732
1979 SU ₁₁	1996 12 16.20965	03 26 42.99	+17 11 53.1	18.3 R	732
1979 SU ₁₁	1996 12 16.21711	03 26 42.74	+17 11 52.6	18.1 R	732
1981 UQ ₁₁	1997 01 04.18436	04 40 10.77	+23 06 05.6	17.4 R	732
1981 UQ ₁₁	1997 01 04.19120	04 40 10.50	+23 06 05.8	17.3 R	732
1981 UQ ₁₁	1997 01 04.19813	04 40 10.30	+23 06 06.5	17.5 R	732
1981 UQ ₁₁	1997 01 05.15330	04 39 39.81	+23 07 06.9	17.5 R	732
1982 UE	1997 01 12.18919	06 17 11.35	+25 43 43.8	17.6 R	732
1982 UE	1997 01 12.19616	06 17 10.94	+25 43 44.6	17.4 R	732
1982 UE	1997 01 13.16517	06 16 15.13	+25 45 58.5	17.5 R	732
1982 UE	1997 01 13.17218	06 16 14.61	+25 45 59.3	17.6 R	732
1985 VF ₁	1996 12 15.12218	03 24 48.65	+19 39 12.4	17.6 R	732
1985 VF ₁	1996 12 15.13265	03 24 48.30	+19 39 11.0	17.9 R	732
1985 VF ₁	1996 12 15.14281	03 24 48.01	+19 39 08.8	17.6 R	732
1985 VF ₁	1996 12 16.23319	03 24 23.20	+19 36 10.9	17.1 R	732
1985 VF ₁	1996 12 16.24098	03 24 23.05	+19 36 08.9	17.1 R	732
1987 DM ₆	1997 01 12.24578	05 42 45.76	+16 00 58.7	18.2 R	732
1987 DM ₆	1997 01 13.09671	05 42 11.07	+16 02 16.1	17.4 R	732
1987 DM ₆	1997 01 13.10850	05 42 10.55	+16 02 16.8	17.2 R	732
1989 BK	1997 01 09.13973	06 07 15.06	+25 30 01.2	16.0 R	732
1989 BK	1997 01 09.15221	06 07 14.36	+25 30 06.5	16.1 R	732
1989 BK	1997 01 11.14966	06 05 40.41	+25 43 02.0	16.5 R	732
1989 BK	1997 01 11.17179	06 05 39.36	+25 43 11.1	16.5 R	732
1992 UH ₂	1996 12 12.19096	04 26 21.20	+15 50 07.4	18.1 R	732
1992 UH ₂	1996 12 29.11650	04 26 20.99	+15 50 06.6	18.2 R	732
1992 UH ₂	1996 12 29.12314	04 26 20.75	+15 50 05.7	18.5 R	732
1992 UH ₂	1996 12 30.17289	04 25 47.51	+15 48 02.1	18.2 R	732
1992 UH ₂	1996 12 30.17988	04 25 47.36	+15 48 01.3	17.6 R	732
1992 WP ₄	1996 12 17.15564	03 21 14.40	+43 04 59.6	16.0 R	732
1992 WP ₄	1996 12 17.16293	03 21 14.14	+43 04 54.9	15.7 R	732
1992 WP ₄	1996 12 17.17019	03 21 13.87	+43 04 50.3	15.7 R	732
1992 WP ₄	1996 12 26.13677	03 18 11.53	+41 29 05.3	15.9 R	732
1992 WP ₄	1996 12 26.14758	03 18 11.34	+41 28 57.4	15.7 R	732
1992 YU ₂	1996 12 28.07944	04 37 51.22	+17 29 02.9	17.5 R	732
1992 YU ₂	1996 12 28.08645	04 37 51.07	+17 29 01.4	17.5 R	732
1992 YU ₂	1996 12 28.10869	04 37 50.35	+17 28 58.8	17.9 R	732
1992 YU ₂	1996 12 29.05510	04 37 25.40	+17 26 49.2	17.3 R	732
1992 YU ₂	1996 12 29.06199	04 37 25.26	+17 26 47.9	17.6 R	732
1992 YU ₂	1996 12 29.07370	04 37 24.96	+17 26 46.1	17.2 R	732
1993 BV ₂	1997 01 09.09041	05 51 43.64	+23 57 09.1	15.4 R	732
1993 BV ₂	1997 01 09.09720	05 51 43.31	+23 57 07.8	15.6 R	732
1993 BV ₂	1997 01 09.10520	05 51 42.94	+23 57 06.0	16.1 R	732
1993 BV ₂	1997 01 11.08001	05 50 19.20	+23 49 50.4	16.3 R	732

1993 BV ₂	1997 01 11.11751	05 50 17.56	+23 49 42.5	16.2 R	732
(363)	1997 01 06.12954	06 00 52.06	+28 06 37.9	13.5 R	732
(363)	1997 01 06.13652	06 00 51.64	+28 06 38.4	13.6 R	732
(363)	1997 01 06.14347	06 00 51.23	+28 06 38.8	13.6 R	732
(363)	1997 01 06.19742	06 00 48.07	+28 06 43.3	13.4 R	732
(363)	1997 01 08.05328	05 59 04.75	+28 08 43.3	13.7 R	732
(363)	1997 01 08.09442	05 59 02.43	+28 08 46.4	13.6 R	732
(704)	1996 12 15.06712	03 25 22.26	+33 59 51.2	11.0 R	732
(704)	1996 12 16.15007	03 24 46.20	+33 48 50.3	11.2 R	732
(704)	1996 12 16.22567	03 24 43.61	+33 48 04.4	10.9 R	732
(704)	1996 12 17.09453	03 24 16.60	+33 39 12.9	10.9 R	732
(704)	1996 12 17.17826	03 24 13.89	+33 38 22.1	10.9 R	732
(1644)	1997 01 03.05564	04 59 08.52	+23 24 45.3	15.0 R	732
(1644)	1997 01 03.06416	04 59 08.16	+23 24 42.0	15.2 R	732
(1644)	1997 01 04.09463	04 58 26.58	+23 19 13.0	15.2 R	732
(1644)	1997 01 04.10191	04 58 26.26	+23 19 10.5	15.3 R	732
(1644)	1997 01 04.10874	04 58 25.99	+23 19 08.6	15.1 R	732
(5858)	1997 01 05.16436	05 52 35.51	+15 42 42.7	16.4 R	732
(5858)	1997 01 05.17189	05 52 35.03	+15 42 42.7	16.4 R	732
(5858)	1997 01 06.15557	05 51 37.71	+15 41 48.8	16.7 R	732
(5858)	1997 01 06.16315	05 51 37.20	+15 41 47.9	17.0 R	732
(5858)	1997 01 06.16968	05 51 36.79	+15 41 47.1	16.6 R	732
(5885)	1996 12 29.08282	04 28 12.08	+13 53 06.5	17.6 R	732
(5885)	1996 12 29.08964	04 28 11.79	+13 53 06.7	17.6 R	732
(5885)	1996 12 29.09701	04 28 11.54	+13 53 07.1	17.6 R	732
(5885)	1996 12 30.12473	04 27 34.84	+13 53 20.9	17.7 R	732
(5885)	1996 12 30.13198	04 27 34.59	+13 53 20.7	17.5 R	732
(5885)	1996 12 30.13824	04 27 34.36	+13 53 21.1	17.3 R	732
(5895)	1996 12 29.16986	04 39 18.90	+16 12 32.8	17.1 R	732
(5895)	1996 12 29.17669	04 39 18.61	+16 12 32.5	17.0 R	732
(5895)	1996 12 29.18328	04 39 18.31	+16 12 31.1	17.1 R	732
(5895)	1996 12 30.19515	04 38 39.21	+16 10 20.8	17.1 R	732
(5895)	1996 12 30.20230	04 38 38.97	+16 10 20.1	17.3 R	732
(5895)	1996 12 30.20922	04 38 38.67	+16 10 19.7	17.0 R	732
(5910)	1996 12 29.13345	04 33 27.28	+14 35 13.2	16.8 R	732
(5910)	1996 12 29.14041	04 33 27.01	+14 35 14.2	17.3 R	732
(5910)	1996 12 29.14995	04 33 26.62	+14 35 16.3	16.9 R	732
(5910)	1996 12 30.14963	04 32 50.79	+14 38 36.2	17.6 R	732
(5911)	1997 01 09.15933	06 28 48.83	+24 37 45.0	17.6 R	732
(5911)	1997 01 09.16601	06 28 48.40	+24 37 46.7	17.2 R	732
(5911)	1997 01 09.17212	06 28 47.96	+24 37 47.5	17.7 R	732
(5911)	1997 01 11.18186	06 26 33.00	+24 44 20.9	17.9 R	732
(5911)	1997 01 11.18885	06 26 32.55	+24 44 23.0	17.7 R	732
(5911)	1997 01 11.19586	06 26 32.09	+24 44 23.8	17.3 R	732
(5916)	1997 01 12.16332	05 57 13.56	+18 07 03.1	17.4 R	732
(5916)	1997 01 12.17134	05 57 13.15	+18 07 01.5	18.4 R	732
(5916)	1997 01 12.17920	05 57 12.67	+18 06 59.9	17.4 R	732
(5916)	1997 01 13.14350	05 56 20.35	+18 04 54.7	18.0 R	732
(5916)	1997 01 13.15083	05 56 19.90	+18 04 53.5	17.3 R	732
(5916)	1997 01 13.15748	05 56 19.56	+18 04 53.1	17.2 R	732
(5951)	1997 01 04.16440	04 59 18.92	+22 51 45.3	16.3 R	732
(5951)	1997 01 04.17089	04 59 18.63	+22 51 46.3	16.2 R	732

(5951)	1997 01 04.17797	04 59 18.33	+22 51 47.5	16.0 R	732
(5951)	1997 01 05.11598	04 58 41.92	+22 54 26.2	16.9 R	732
(5951)	1997 01 05.12250	04 58 41.86	+22 54 26.6	17.1 R	732
(5951)	1997 01 05.13002	04 58 41.27	+22 54 27.2	17.1 R	732
(5964)	1997 01 05.19367	05 40 26.07	+18 01 31.7	16.8 R	732
(5964)	1997 01 05.19984	05 40 25.77	+18 01 32.0	16.8 R	732
(5964)	1997 01 05.20765	05 40 25.38	+18 01 32.5	16.6 R	732
(5964)	1997 01 08.06431	05 38 25.03	+18 04 32.7	17.4 R	732
(5964)	1997 01 08.07144	05 38 24.67	+18 04 33.4	17.2 R	732
(5964)	1997 01 08.07852	05 38 24.42	+18 04 34.0	17.4 R	732
(5998)	1997 01 12.15035	05 45 37.88	+16 44 10.6	17.3 R	732
(5998)	1997 01 13.13351	05 44 57.46	+16 46 01.0	18.5 R	732
(6538)	1996 12 15.17749	03 14 50.68	+16 26 11.4	17.5 R	732
(6538)	1996 12 15.18741	03 14 50.21	+16 26 08.8	17.5 R	732
(6538)	1996 12 15.19844	03 14 49.95	+16 26 08.4	17.9 R	732
(6538)	1996 12 16.15767	03 14 20.90	+16 24 18.4	17.0 R	732
(6538)	1996 12 16.16493	03 14 20.57	+16 24 17.2	17.4 R	732
(6538)	1996 12 16.17196	03 14 20.48	+16 24 16.0	17.8 R	732
(6619)	1996 12 17.10628	03 14 24.96	+40 04 33.4	16.9 R	732
(6619)	1996 12 17.11377	03 14 24.57	+40 04 32.0	16.9 R	732
(6619)	1996 12 17.12123	03 14 24.20	+40 04 31.1	16.9 R	732
(6619)	1996 12 26.10520	03 08 27.38	+39 38 09.4	16.8 R	732
(6619)	1996 12 26.11567	03 08 27.02	+39 38 08.1	16.9 R	732
(6619)	1996 12 26.12604	03 08 26.71	+39 38 07.0	16.9 R	732
(7281)	1996 12 28.11748	04 35 08.43	+19 40 02.9	17.8 R	732
(7281)	1996 12 28.12444	04 35 08.05	+19 40 03.2	19.3 R	732
(7281)	1996 12 28.13080	04 35 07.82	+19 40 03.2	17.9 R	732
(7281)	1996 12 29.04074	04 34 28.60	+19 40 43.7	17.3 R	732
(7281)	1996 12 29.04759	04 34 28.29	+19 40 43.8	17.8 R	732

735 George Observatory, Needville

W. G. Dillon, Fort Bend Astronomy Club, P.O. Box 942, Stafford, TX 77497-0942,
U.S.A. [bdillon@houston.geoquest.slb.com]

Observer W. G. Dillon

Measurer K. Rivich

0.46-m reflector + CCD

GSC

1996 TV ₆₀	1996 10 10.09306	20 15 28.03	-21 04 21.6	20.3 R	735
1996 TV ₆₀	1996 10 10.12641	20 15 29.58	-21 04 16.2	20.6 R	735
1996 TV ₆₀	1996 10 10.14514	20 15 30.36	-21 04 10.5	21.2 R	735

748 Van Allen Observatory

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

Measurer R. DeMartino

0.18-m *f*/7 refractor + CCD

GSC

(260)	1996 12 20.41193	05 43 38.67	+14 35 11.7		748
(260)	1996 12 20.44387	05 43 37.15	+14 35 12.0		748
(872)	1996 12 20.41612	05 55 43.84	+12 37 43.6		748
(872)	1996 12 20.43469	05 55 42.77	+12 37 42.7		748

(1105)	1996 12 20.43775	05 12 05.36	+13 31 01.2		748
(1105)	1996 12 20.44080	05 12 05.22	+13 31 00.5		748

801 Oak Ridge

R. E. McCrosky, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street,
Cambridge, MA 02138, U.S.A. [mccrosky@cfa.harvard.edu]

Observers R. E. McCrosky, J. Degnan, M. K. Lohmiller, J. Zajac
1.5-m reflector + CCD

GSC

1969 TR ₁	1996 10 12.97588	19 29 39.13	-22 55 35.5		801
1969 TR ₁	1996 10 12.98741	19 29 40.69	-22 55 31.4		801
1975 AN	1996 11 12.37726	08 22 07.76	+23 45 17.9		801
1975 AN	1996 12 09.31786	08 18 35.86	+17 32 34.8		801
1975 AN	1996 12 09.32979	08 18 35.30	+17 32 24.9		801
1975 AN	1996 12 10.34981	08 17 48.05	+17 18 24.9		801
1975 AN	1996 12 10.35942	08 17 47.56	+17 18 17.4		801
1978 RN ₅	1996 12 10.02343	01 20 34.01	+25 04 33.4		801
1978 RN ₅	1996 12 10.04861	01 20 34.75	+25 04 33.9		801
1979 HH	1996 12 09.31243	07 47 12.55	+18 43 48.7		801
1979 QX ₉	1996 12 10.05501	02 03 13.06	+11 43 48.0		801
1979 QX ₉	1996 12 10.11560	02 03 12.31	+11 43 44.8	w	801
1981 DT ₂	1996 12 09.30594	06 16 36.90	+45 04 18.1		801
1981 DT ₂	1996 12 09.32319	06 16 35.59	+45 04 18.6		801
1981 DT ₂	1996 12 10.25939	06 15 26.93	+45 04 05.5		801
1981 RG ₅	1996 12 09.24130	06 12 23.52	+34 10 59.8		801
1981 RG ₅	1996 12 09.25755	06 12 22.27	+34 11 02.2		801
1981 RG ₅	1996 12 10.24335	06 11 11.15	+34 13 44.3		801
1981 WM	1996 12 10.30115	07 17 32.44	+24 41 05.1		801
1981 WM	1996 12 10.32509	07 17 31.37	+24 41 12.2		801
1982 FS ₃	1996 11 15.18677	02 57 36.74	+05 11 47.5		801
1982 FS ₃	1996 12 10.12186	02 42 13.03	+03 51 47.2		801
1982 FS ₃	1996 12 10.14388	02 42 12.46	+03 51 45.9		801
1983 VS ₁	1996 12 09.22088	05 56 39.12	+32 12 53.8		801
1983 VS ₁	1996 12 09.23285	05 56 38.40	+32 12 54.9		801
1983 VS ₁	1996 12 10.22911	05 55 39.04	+32 15 16.8		801
1985 VG	1996 11 15.27348	05 29 26.62	+20 30 57.6		801
1985 VG	1996 12 09.20337	05 05 38.54	+20 46 35.8		801
1985 VG	1996 12 09.21547	05 05 37.70	+20 46 36.1		801
1985 VF ₁	1996 11 12.22359	03 50 58.80	+21 44 23.5		801
1985 VF ₁	1996 11 12.24352	03 50 57.67	+21 44 20.0		801
1985 VF ₁	1996 11 13.23219	03 50 04.10	+21 40 51.5		801
1985 VF ₁	1996 12 09.16799	03 27 48.38	+19 58 01.6		801
1985 VF ₁	1996 12 09.18710	03 27 47.62	+19 57 57.2		801
1985 VF ₁	1996 12 10.14089	03 27 13.95	+19 54 39.2		801
1985 VF ₁	1996 12 10.16681	03 27 13.00	+19 54 33.9		801
1986 QS	1996 12 09.20080	04 43 15.46	+37 08 24.8		801
1986 QS	1996 12 09.21383	04 43 14.58	+37 08 22.7		801
1986 QS	1996 12 10.22023	04 42 08.17	+37 05 58.9		801
1986 QS	1996 12 10.23666	04 42 07.07	+37 05 56.0		801
1987 BC ₂	1997 01 07.03014	02 49 23.50	+18 37 34.2		801
1987 BC ₂	1997 01 07.05633	02 49 24.85	+18 37 34.8		801
1988 AA ₅	1996 12 09.98961	00 23 58.14	-00 46 27.2		801
1988 AA ₅	1996 12 10.00299	00 23 58.96	-00 46 23.7		801

1988 TD	1996 12 09.22522	05 24 49.40	+24 13 06.3	801	1994 CB ₂	1996 12 09.26728	06 25 13.06	+22 34 12.5	801
1988 TN	1996 11 12.33840	06 06 06.00	+30 45 37.4	801	1994 CB ₂	1996 12 10.27332	06 24 11.76	+22 33 30.9	801
1988 TN	1996 11 12.36770	06 06 05.29	+30 45 41.7	801	1994 CB ₂	1996 12 10.29003	06 24 10.66	+22 33 30.4	801
1988 TN	1996 12 09.21788	05 43 17.47	+31 55 07.0	801	1994 EC ₁	1996 12 09.27850	06 25 55.34	+14 39 37.4	801
1988 TN	1996 12 09.23046	05 43 16.54	+31 55 08.0	801	1994 EC ₁	1997 01 07.20227	05 55 53.86	+15 30 39.7	801
1988 TN	1997 01 07.19720	05 11 53.64	+31 28 53.0	801	1994 EC ₁	1997 01 07.22399	05 55 52.60	+15 30 43.3	801
1988 TN	1997 01 07.21677	05 11 52.70	+31 28 49.3	801	1994 GO ₁	1996 12 09.33941	08 32 28.07	+03 47 26.6	801
1989 SB	1996 12 09.18262	04 11 40.62	+26 39 13.9	801	1994 GO ₁	1996 12 09.38104	08 32 27.39	+03 47 25.2	801
1989 SB	1996 12 09.19809	04 11 39.52	+26 39 09.9	801	1996 PA ₇	1996 12 10.03574	01 43 03.55	-19 28 31.9	801
1989 WR	1996 12 09.19441	04 25 05.35	+31 04 19.7	801	1996 PA ₇	1996 12 10.04078	01 43 03.69	-19 28 19.6	801
1989 WR	1996 12 09.20660	04 25 04.42	+31 04 18.5	801	1996 TY ₉	1996 12 09.97818	00 28 36.83	+34 05 51.8	801
1989 WR	1996 12 10.18928	04 23 53.12	+31 03 16.4	801	1996 TY ₉	1996 12 09.99222	00 28 37.39	+34 05 39.1	801
1989 WR	1996 12 10.21290	04 23 51.55	+31 03 14.1	801	1996 US	1996 12 10.02873	01 39 24.38	+14 18 51.5	801
1990 QM	1994 11 08.09741	00 29 29.19	+00 01 17.4	801	1996 US	1996 12 10.08641	01 39 24.90	+14 18 57.5	801
1990 QM	1994 11 08.14024	00 29 28.29	+00 01 12.4	801	(1862)	1996 12 09.94645	22 46 43.65	-02 43 45.3	801
1990 QQ ₁	1996 12 10.01472	01 02 42.63	+27 52 39.3	801	(1862)	1996 12 09.94891	22 46 44.81	-02 43 36.0	801
1990 QQ ₁	1996 12 10.05102	01 02 42.89	+27 52 32.3	801	(3396)	1997 01 07.01480	02 09 31.47	+15 56 40.7	801
1990 QS ₂	1996 12 09.24606	06 21 48.24	+20 08 00.9	801	(3396)	1997 01 07.04720	02 09 32.19	+15 56 46.8	801
1990 QS ₂	1996 12 09.26449	06 21 47.29	+20 08 00.6	801	(6649)	1996 12 09.31566	08 03 04.19	+26 59 03.2	801
1990 QS ₂	1996 12 10.26616	06 20 56.94	+20 08 32.3	w 801	(6649)	1996 12 09.35986	08 03 02.53	+26 59 07.8	801
1990 QV ₄	1996 12 10.15531	03 21 19.71	+02 37 49.6	W 801	(7269)	1996 11 14.16742	02 24 33.78	+11 09 16.5	801
1990 UG	1996 12 10.36397	08 24 33.90	+03 15 52.7	801	(7348)	1996 12 09.17200	03 28 14.48	+19 52 00.4	801
1990 UG	1996 12 10.38056	08 24 33.70	+03 15 48.8	801	(7348)	1996 12 09.19033	03 28 13.69	+19 51 56.9	801
1991 PK ₁₁	1996 12 09.16610	03 17 47.66	+29 27 40.1	801	(7348)	1996 12 10.13644	03 27 33.51	+19 49 34.2	801
1991 PK ₁₁	1996 12 09.17780	03 17 47.14	+29 27 35.3	801	(7348)	1996 12 10.15884	03 27 32.51	+19 49 30.0	801
1991 PK ₁₁	1996 12 10.12752	03 17 08.51	+29 21 48.2	801	809 European Southern Observatory				
1991 PK ₁₁	1996 12 10.14751	03 17 07.66	+29 21 40.9	801	E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels,				
1991 PN ₁₃	1996 12 09.30763	06 18 21.56	+42 48 17.4	801	Belgium [elst@atmos.oma.be] (4)				
1991 PN ₁₃	1996 12 09.32491	06 18 20.30	+42 48 17.8	801	Observers G. Pizarro, O. Pizarro				
1991 PN ₁₃	1996 12 10.26133	06 17 12.45	+42 48 31.9	801	Measurer E. W. Elst				
1991 PN ₁₃	1996 12 10.27642	06 17 11.28	+42 48 32.7	801	1.0-m Schmidt				
1992 PS ₆	1996 12 10.05884	02 05 51.34	+14 54 55.5	801	1981 ES ₃₈	1996 03 24.27083	14 29 10.38	-13 12 30.4	18.6 809
1992 RO ₅	1996 12 10.06191	02 19 02.45	+10 31 35.2	801	1981 ES ₃₈	1996 03 24.28264	14 29 10.05	-13 12 26.6	809
1992 RO ₅	1996 12 10.10920	02 19 01.83	+10 31 40.3	801	1981 ES ₃₈	1996 03 24.29444	14 29 09.60	-13 12 23.3	809
1992 UX ₅	1996 12 09.37458	09 55 19.62	+07 51 50.4	801	1981 ES ₃₈	1996 03 27.29097	14 27 42.87	-12 56 40.3	809
1992 UX ₅	1996 12 09.39638	09 55 20.58	+07 51 45.1	801	1981 ES ₃₈	1996 03 27.30278	14 27 42.52	-12 56 36.8	809
1992 WD ₈	1996 12 09.31002	07 42 50.51	+38 43 04.8	801	1981 ES ₃₈	1996 03 27.31458	14 27 42.01	-12 56 32.5	809
1992 WD ₈	1996 12 09.32666	07 42 49.62	+38 42 57.1	801	1982 FA	1996 03 24.27083	14 35 53.74	-12 41 08.9	17.8 809
1993 BV ₂	1996 12 09.24332	06 20 07.79	+25 36 44.3	801	1982 FA	1996 03 24.28264	14 35 53.44	-12 41 07.2	809
1993 BV ₂	1996 12 09.26115	06 20 06.87	+25 36 41.6	801	1982 FA	1996 03 24.29444	14 35 53.19	-12 41 06.7	809
1993 BV ₂	1996 12 10.26383	06 19 17.26	+25 34 16.0	801	1982 FA	1996 03 27.29097	14 34 46.51	-12 35 14.9	809
1993 BV ₂	1996 12 10.28308	06 19 16.24	+25 34 12.8	801	1982 FA	1996 03 27.30278	14 34 46.13	-12 35 12.8	809
1993 BF ₃	1996 12 09.31566	08 03 00.20	+26 55 38.2	801	1982 FA	1996 03 27.31458	14 34 45.75	-12 35 11.2	809
1993 BF ₃	1996 12 09.35986	08 02 59.30	+26 55 41.0	801	1987 QW ₁	1996 03 24.27083	14 30 40.74	-12 43 54.2	18.5 809
1993 FN ₄₁	1996 12 10.12550	03 11 41.97	+16 06 05.0	801	1987 QW ₁	1996 03 24.28264	14 30 40.36	-12 43 52.1	809
1993 FN ₄₁	1996 12 10.15041	03 11 41.03	+16 06 02.1	801	1987 QW ₁	1996 03 24.29444	14 30 40.01	-12 43 50.2	809
1993 OV	1996 12 09.98388	00 15 08.00	+16 27 38.5	801	1987 QW ₁	1996 03 27.29097	14 29 17.42	-12 34 39.1	809
1993 OV	1996 12 09.99446	00 15 09.93	+16 27 29.0	801	1987 QW ₁	1996 03 27.30278	14 29 17.06	-12 34 36.9	809
1993 WD	1996 12 09.95664	23 24 03.40	+14 42 10.6	801	1987 QW ₁	1996 03 27.31458	14 29 16.63	-12 34 34.3	809
1994 AB ₃	1996 12 10.13306	03 24 28.47	+05 11 13.2	801	1992 PG ₂	1996 03 24.27083	14 36 39.78	-12 12 35.9	18.5 809
1994 AB ₃	1996 12 10.15315	03 24 27.67	+05 11 18.8	801	1992 PG ₂	1996 03 24.28264	14 36 39.57	-12 12 32.5	809
1994 CB ₂	1996 12 09.24897	06 25 14.24	+22 34 13.1	801	1992 PG ₂	1996 03 24.29444	14 36 39.30	-12 12 29.6	809

1992 PG ₂	1996 03 27.29097	14 35 39.20	-11 56 04.5	809	1996 FS ₂₁	1996 03 27.30278	14 27 23.10	-12 18 32.9	809
1992 PG ₂	1996 03 27.30278	14 35 38.93	-11 55 59.7	809	1996 FS ₂₁	1996 03 27.31458	14 27 22.67	-12 18 31.1	809
1992 PG ₂	1996 03 27.31458	14 35 38.61	-11 55 56.5	809	1996 FT ₂₁	* 1996 03 24.27083	14 30 12.34	-16 42 58.5	18.5 809
1993 BZ ₇	1993 02 17.17014	09 01 47.79	+11 19 15.7	18.5 809	1996 FT ₂₁	1996 03 24.28264	14 30 12.05	-16 43 01.6	809
1993 BZ ₇	1993 02 17.18333	09 01 47.12	+11 19 23.3	809	1996 FT ₂₁	1996 03 24.29444	14 30 11.73	-16 43 01.9	809
1993 BZ ₇	1993 02 17.19653	09 01 46.40	+11 19 27.1	809	1996 FT ₂₁	1996 03 27.29097	14 29 10.96	-16 43 23.3	809
1993 JO ₁	* 1993 05 14.15139	16 23 55.88	-24 15 51.6	18.7 809	1996 FT ₂₁	1996 03 27.30278	14 29 10.63	-16 43 22.3	809
1993 JO ₁	1993 05 14.16458	16 23 55.01	-24 15 50.2	809	1996 FT ₂₁	1996 03 27.31458	14 29 10.26	-16 43 22.6	809
1993 JO ₁	1993 05 14.17778	16 23 54.17	-24 15 48.8	809	1996 FU ₂₁	* 1996 03 24.27083	14 30 29.87	-12 44 22.4	18.4 809
1993 OP ₁₂	1996 03 24.27083	14 36 08.79	-12 11 24.1	18.8 809	1996 FU ₂₁	1996 03 24.28264	14 30 29.39	-12 44 23.3	809
1993 OP ₁₂	1996 03 24.28264	14 36 08.49	-12 11 20.2	809	1996 FU ₂₁	1996 03 24.29444	14 30 28.92	-12 44 24.9	809
1993 OP ₁₂	1996 03 24.29444	14 36 08.15	-12 11 18.9	809	1996 FU ₂₁	1996 03 27.29097	14 28 36.73	-12 50 20.3	809
1993 OP ₁₂	1996 03 27.29097	14 34 39.26	-12 00 00.2	809	1996 FU ₂₁	1996 03 27.30278	14 28 36.24	-12 50 21.6	809
1993 OP ₁₂	1996 03 27.30278	14 34 38.90	-11 59 57.8	809	1996 FU ₂₁	1996 03 27.31458	14 28 35.72	-12 50 23.3	809
1993 OP ₁₂	1996 03 27.31458	14 34 38.47	-11 59 54.8	809	1996 FV ₂₁	* 1996 03 24.27083	14 31 00.25	-13 16 53.5	18.7 809
1993 QR ₄	1993 08 15.25764	23 41 44.74	-04 54 23.7	18.3 809	1996 FV ₂₁	1996 03 24.28264	14 30 59.99	-13 16 50.0	809
1993 QR ₄	1993 08 15.27083	23 41 44.26	-04 54 26.4	809	1996 FV ₂₁	1996 03 24.29444	14 30 59.75	-13 16 47.8	809
1993 QR ₄	1993 08 15.28403	23 41 43.75	-04 54 28.0	809	1996 FV ₂₁	1996 03 27.29097	14 29 54.30	-13 05 26.6	809
1993 TX	1996 03 24.27083	14 43 40.38	-12 49 21.6	18.7 809	1996 FV ₂₁	1996 03 27.30278	14 29 53.96	-13 05 24.7	809
1993 TX	1996 03 24.28264	14 43 39.90	-12 49 20.7	809	1996 FV ₂₁	1996 03 27.31458	14 29 53.71	-13 05 23.1	809
1993 TX	1996 03 24.29444	14 43 39.52	-12 49 21.4	809	1996 FW ₂₁	* 1996 03 24.27083	14 31 03.38	-12 07 48.3	18.8 809
1993 TX	1996 03 27.29097	14 42 00.30	-12 46 33.5	809	1996 FW ₂₁	1996 03 24.28264	14 31 02.92	-12 07 47.5	809
1993 TX	1996 03 27.30278	14 41 59.85	-12 46 32.9	809	1996 FW ₂₁	1996 03 24.29444	14 31 02.58	-12 07 45.8	809
1993 TX	1996 03 27.31458	14 41 59.45	-12 46 32.5	809	1996 FW ₂₁	1996 03 27.29097	14 29 30.15	-12 02 15.6	809
1993 VE	1996 03 24.27083	14 43 30.45	-11 51 22.4	17.9 809	1996 FW ₂₁	1996 03 27.30278	14 29 29.76	-12 02 14.1	809
1993 VE	1996 03 24.28264	14 43 30.06	-11 51 23.6	809	1996 FW ₂₁	1996 03 27.31458	14 29 29.35	-12 02 13.0	809
1993 VE	1996 03 24.29444	14 43 29.68	-11 51 24.3	809	1996 FX ₂₁	* 1996 03 24.27083	14 31 35.78	-14 20 27.7	19.0 809
1993 VE	1996 03 27.29097	14 41 58.13	-11 55 20.9	809	1996 FX ₂₁	1996 03 24.28264	14 31 35.49	-14 20 27.4	809
1993 VE	1996 03 27.30278	14 41 57.76	-11 55 22.7	809	1996 FX ₂₁	1996 03 24.29444	14 31 35.20	-14 20 26.7	809
1993 VE	1996 03 27.31458	14 41 57.25	-11 55 23.4	809	1996 FX ₂₁	1996 03 27.29097	14 30 14.43	-14 16 23.3	809
1994 CF ₁₉	* 1994 02 13.27847	11 36 03.97	+13 22 13.1	18.4 809	1996 FX ₂₁	1996 03 27.30278	14 30 13.98	-14 16 21.5	809
1994 CF ₁₉	1994 02 13.29028	11 36 03.32	+13 22 20.1	809	1996 FX ₂₁	1996 03 27.31458	14 30 13.61	-14 16 20.0	809
1994 CF ₁₉	1994 02 13.30208	11 36 02.88	+13 22 25.0	809	1996 FY ₂₁	* 1996 03 24.27083	14 31 45.15	-11 54 29.6	18.7 809
1994 PC ₄₀	1994 08 13.18958	22 44 59.27	-11 15 07.0	18.3 809	1996 FY ₂₁	1996 03 24.28264	14 31 44.78	-11 54 30.0	809
1994 PC ₄₀	1994 08 13.20139	22 44 58.86	-11 15 13.0	809	1996 FY ₂₁	1996 03 24.29444	14 31 44.42	-11 54 28.3	809
1994 PC ₄₀	1994 08 13.21319	22 44 58.37	-11 15 17.8	809	1996 FY ₂₁	1996 03 27.29097	14 30 12.05	-11 51 30.2	809
1994 WS ₃	1996 03 24.27083	14 27 39.04	-14 37 41.5	18.5 809	1996 FY ₂₁	1996 03 27.30278	14 30 11.67	-11 51 29.4	809
1994 WS ₃	1996 03 24.28264	14 27 38.57	-14 37 37.5	809	1996 FY ₂₁	1996 03 27.31458	14 30 11.13	-11 51 28.7	809
1994 WS ₃	1996 03 24.29444	14 27 38.21	-14 37 35.0	809	1996 FZ ₂₁	* 1996 03 24.27083	14 31 58.56	-16 46 47.5	18.5 809
1994 WS ₃	1996 03 27.29097	14 25 53.96	-14 24 35.5	809	1996 FZ ₂₁	1996 03 24.28264	14 31 58.14	-16 46 47.3	809
1994 WS ₃	1996 03 27.30278	14 25 53.51	-14 24 33.2	809	1996 FZ ₂₁	1996 03 24.29444	14 31 57.88	-16 46 48.7	809
1994 WS ₃	1996 03 27.31458	14 25 53.06	-14 24 29.4	809	1996 FZ ₂₁	1996 03 27.29097	14 30 36.58	-16 45 29.3	809
1995 BJ ₁	1996 03 24.27083	14 44 33.07	-12 54 34.1	18.3 809	1996 FZ ₂₁	1996 03 27.30278	14 30 36.21	-16 45 28.4	809
1995 BJ ₁	1996 03 24.28264	14 44 32.79	-12 54 31.9	809	1996 FZ ₂₁	1996 03 27.31458	14 30 35.86	-16 45 27.3	809
1995 BJ ₁	1996 03 24.29444	14 44 32.41	-12 54 30.4	809	1996 FA ₂₂	* 1996 03 24.27083	14 32 54.75	-16 24 03.5	18.5 809
1995 BJ ₁	1996 03 27.29097	14 43 17.80	-12 47 33.1	809	1996 FA ₂₂	1996 03 24.28264	14 32 54.39	-16 24 02.6	809
1995 BJ ₁	1996 03 27.30278	14 43 17.40	-12 47 30.7	809	1996 FA ₂₂	1996 03 24.29444	14 32 54.11	-16 24 03.1	809
1995 BJ ₁	1996 03 27.31458	14 43 17.02	-12 47 29.8	809	1996 FA ₂₂	1996 03 27.29097	14 31 43.64	-16 20 30.4	809
1996 FS ₂₁	* 1996 03 24.27083	14 29 14.51	-12 26 48.2	18.7 809	1996 FA ₂₂	1996 03 27.30278	14 31 43.32	-16 20 30.5	809
1996 FS ₂₁	1996 03 24.28264	14 29 14.01	-12 26 45.9	809	1996 FA ₂₂	1996 03 27.31458	14 31 42.97	-16 20 30.2	809
1996 FS ₂₁	1996 03 24.29444	14 29 13.66	-12 26 44.5	809	1996 FB ₂₂	* 1996 03 24.27083	14 33 29.70	-15 04 23.0	18.6 809
1996 FS ₂₁	1996 03 27.29097	14 27 23.57	-12 18 34.2	809	1996 FB ₂₂	1996 03 24.28264	14 33 29.38	-15 04 25.2	809

1996 FB ₂₂	1996 03 24.29444	14 33 29.03	-15 04 26.8	809	1996 FL ₂₂	* 1996 03 24.27083	14 35 46.73	-15 28 33.3	18.6	809
1996 FB ₂₂	1996 03 27.29097	14 31 58.78	-15 08 48.2	809	1996 FL ₂₂	1996 03 24.28264	14 35 46.39	-15 28 34.3		809
1996 FB ₂₂	1996 03 27.30278	14 31 58.38	-15 08 50.4	809	1996 FL ₂₂	1996 03 24.29444	14 35 46.01	-15 28 35.1		809
1996 FB ₂₂	1996 03 27.31458	14 31 57.98	-15 08 50.1	809	1996 FL ₂₂	1996 03 27.29097	14 34 20.76	-15 28 19.3		809
1996 FC ₂₂	* 1996 03 24.27083	14 33 41.64	-15 38 21.7	18.7	809	1996 FL ₂₂	1996 03 27.30278	14 34 20.27	-15 28 20.9	809
1996 FC ₂₂	1996 03 24.28264	14 33 41.28	-15 38 20.9	809	1996 FL ₂₂	1996 03 27.31458	14 34 19.83	-15 28 19.9		809
1996 FC ₂₂	1996 03 24.29444	14 33 41.02	-15 38 19.8	809	1996 FM ₂₂	* 1996 03 24.27083	14 35 53.14	-14 20 16.1	19.2	809
1996 FC ₂₂	1996 03 27.29097	14 32 19.00	-15 32 55.8	809	1996 FM ₂₂	1996 03 24.28264	14 35 52.68	-14 20 18.3		809
1996 FC ₂₂	1996 03 27.30278	14 32 18.73	-15 32 55.8	809	1996 FM ₂₂	1996 03 24.29444	14 35 52.46	-14 20 20.0		809
1996 FC ₂₂	1996 03 27.31458	14 32 18.35	-15 32 54.1	809	1996 FM ₂₂	1996 03 27.29097	14 34 19.97	-14 25 53.8		809
1996 FD ₂₂	* 1996 03 24.27083	14 33 43.28	-13 50 44.7	19.0	809	1996 FM ₂₂	1996 03 27.30278	14 34 19.52	-14 25 55.8	809
1996 FD ₂₂	1996 03 24.28264	14 33 42.90	-13 50 44.1	809	1996 FM ₂₂	1996 03 27.31458	14 34 19.12	-14 25 57.1		809
1996 FD ₂₂	1996 03 24.29444	14 33 42.54	-13 50 41.1	809	1996 FN ₂₂	* 1996 03 24.27083	14 36 39.88	-14 36 12.9	18.4	809
1996 FD ₂₂	1996 03 27.29097	14 31 58.62	-13 45 24.3	809	1996 FN ₂₂	1996 03 24.28264	14 36 39.75	-14 35 58.2		809
1996 FD ₂₂	1996 03 27.30278	14 31 58.06	-13 45 22.8	809	1996 FN ₂₂	1996 03 24.29444	14 36 39.57	-14 35 44.0		809
1996 FD ₂₂	1996 03 27.31458	14 31 57.62	-13 45 21.8	809	1996 FN ₂₂	1996 03 27.29097	14 36 02.81	-13 36 00.5		809
1996 FE ₂₂	* 1996 03 24.27083	14 33 54.77	-13 50 47.8	18.7	809	1996 FN ₂₂	1996 03 27.30278	14 36 02.54	-13 35 45.0	809
1996 FE ₂₂	1996 03 24.28264	14 33 54.39	-13 50 47.4	809	1996 FN ₂₂	1996 03 27.31458	14 36 02.32	-13 35 31.6		809
1996 FE ₂₂	1996 03 24.29444	14 33 54.03	-13 50 47.5	809	1996 FO ₂₂	* 1996 03 24.27083	14 36 48.82	-13 07 31.9	18.8	809
1996 FE ₂₂	1996 03 27.29097	14 32 35.60	-13 49 03.3	809	1996 FO ₂₂	1996 03 24.28264	14 36 48.49	-13 07 30.6		809
1996 FE ₂₂	1996 03 27.30278	14 32 35.18	-13 49 02.8	809	1996 FO ₂₂	1996 03 24.29444	14 36 48.26	-13 07 29.5		809
1996 FE ₂₂	1996 03 27.31458	14 32 34.79	-13 49 01.9	809	1996 FO ₂₂	1996 03 27.29097	14 35 28.33	-13 00 23.3		809
1996 FF ₂₂	* 1996 03 24.27083	14 34 36.88	-13 25 57.9	19.2	809	1996 FO ₂₂	1996 03 27.30278	14 35 27.97	-13 00 22.6	809
1996 FF ₂₂	1996 03 24.28264	14 34 36.61	-13 25 55.4	809	1996 FO ₂₂	1996 03 27.31458	14 35 27.63	-13 00 20.9		809
1996 FF ₂₂	1996 03 24.29444	14 34 36.38	-13 25 55.5	809	1996 FP ₂₂	* 1996 03 24.27083	14 36 52.42	-16 21 14.8	18.6	809
1996 FF ₂₂	1996 03 27.29097	14 33 07.29	-13 17 45.9	809	1996 FP ₂₂	1996 03 24.28264	14 36 52.09	-16 21 12.9		809
1996 FF ₂₂	1996 03 27.30278	14 33 06.84	-13 17 43.4	809	1996 FP ₂₂	1996 03 24.29444	14 36 51.86	-16 21 12.4		809
1996 FF ₂₂	1996 03 27.31458	14 33 06.37	-13 17 41.4	809	1996 FP ₂₂	1996 03 27.29097	14 35 41.03	-16 14 50.5		809
1996 FG ₂₂	* 1996 03 24.27083	14 34 42.86	-16 17 44.5	18.7	809	1996 FP ₂₂	1996 03 27.30278	14 35 40.70	-16 14 47.6	809
1996 FG ₂₂	1996 03 24.28264	14 34 42.51	-16 17 43.0	809	1996 FP ₂₂	1996 03 27.31458	14 35 40.33	-16 14 47.0		809
1996 FG ₂₂	1996 03 24.29444	14 34 42.09	-16 17 40.0	809	1996 FQ ₂₂	* 1996 03 24.27083	14 38 28.50	-15 36 36.4	18.6	809
1996 FG ₂₂	1996 03 27.29097	14 33 11.63	-16 07 39.0	809	1996 FQ ₂₂	1996 03 24.28264	14 38 28.24	-15 36 36.4		809
1996 FG ₂₂	1996 03 27.30278	14 33 11.16	-16 07 37.3	809	1996 FQ ₂₂	1996 03 24.29444	14 38 27.89	-15 36 36.4		809
1996 FG ₂₂	1996 03 27.31458	14 33 10.78	-16 07 35.0	809	1996 FQ ₂₂	1996 03 27.29097	14 37 01.51	-15 33 10.9		809
1996 FH ₂₂	* 1996 03 24.27083	14 34 57.03	-13 57 33.8	19.0	809	1996 FQ ₂₂	1996 03 27.30278	14 37 01.04	-15 33 10.0	809
1996 FH ₂₂	1996 03 24.28264	14 34 56.74	-13 57 31.6	809	1996 FQ ₂₂	1996 03 27.31458	14 37 00.57	-15 33 08.8		809
1996 FH ₂₂	1996 03 24.29444	14 34 56.41	-13 57 31.2	809	1996 FR ₂₂	* 1996 03 24.27083	14 38 57.55	-13 37 43.3	18.6	809
1996 FH ₂₂	1996 03 27.29097	14 33 36.75	-13 52 26.1	809	1996 FR ₂₂	1996 03 24.28264	14 38 57.23	-13 37 40.6		809
1996 FH ₂₂	1996 03 27.30278	14 33 36.55	-13 52 25.1	809	1996 FR ₂₂	1996 03 24.29444	14 38 56.86	-13 37 38.9		809
1996 FH ₂₂	1996 03 27.31458	14 33 36.19	-13 52 24.7	809	1996 FR ₂₂	1996 03 27.29097	14 37 39.44	-13 29 23.7		809
1996 FJ ₂₂	* 1996 03 24.27083	14 35 22.53	-15 57 10.2	18.6	809	1996 FR ₂₂	1996 03 27.30278	14 37 39.06	-13 29 22.3	809
1996 FJ ₂₂	1996 03 24.28264	14 35 22.03	-15 57 12.0	809	1996 FR ₂₂	1996 03 27.31458	14 37 38.79	-13 29 21.4		809
1996 FJ ₂₂	1996 03 24.29444	14 35 21.66	-15 57 14.5	809	1996 FS ₂₂	* 1996 03 24.27083	14 38 59.67	-12 02 47.6	17.8	809
1996 FJ ₂₂	1996 03 27.29097	14 33 30.63	-16 04 46.6	809	1996 FS ₂₂	1996 03 24.28264	14 38 59.41	-12 02 41.2		809
1996 FJ ₂₂	1996 03 27.30278	14 33 30.34	-16 04 47.4	809	1996 FS ₂₂	1996 03 24.29444	14 38 59.13	-12 02 35.3		809
1996 FJ ₂₂	1996 03 27.31458	14 33 29.97	-16 04 49.9	809	1996 FS ₂₂	1996 03 27.29097	14 37 57.26	-11 38 10.6		809
1996 FK ₂₂	* 1996 03 24.27083	14 35 26.49	-15 44 04.4	18.6	809	1996 FS ₂₂	1996 03 27.30278	14 37 56.94	-11 38 04.5	809
1996 FK ₂₂	1996 03 24.28264	14 35 26.14	-15 44 02.3	809	1996 FS ₂₂	1996 03 27.31458	14 37 56.67	-11 37 58.7		809
1996 FK ₂₂	1996 03 24.29444	14 35 25.94	-15 44 00.8	809	1996 FT ₂₂	* 1996 03 24.27083	14 38 59.79	-16 22 27.6	18.6	809
1996 FK ₂₂	1996 03 27.29097	14 34 05.99	-15 36 19.3	809	1996 FT ₂₂	1996 03 24.28264	14 38 59.46	-16 22 24.6		809
1996 FK ₂₂	1996 03 27.30278	14 34 05.68	-15 36 16.3	809	1996 FT ₂₂	1996 03 24.29444	14 38 59.15	-16 22 23.8		809
1996 FK ₂₂	1996 03 27.31458	14 34 05.24	-15 36 16.2	809	1996 FT ₂₂	1996 03 27.29097	14 37 43.41	-16 12 40.2		809

1996 FT ₂₂	1996 03 27.30278	14 37 43.03	-16 12 37.1	809	1996 FC ₂₃	1996 03 24.29444	14 42 44.05	-15 41 30.3	809	
1996 FT ₂₂	1996 03 27.31458	14 37 42.81	-16 12 36.0	809	1996 FC ₂₃	1996 03 27.29097	14 41 15.03	-15 38 31.6	809	
1996 FU ₂₂	* 1996 03 24.27083	14 39 04.87	-13 36 20.0	18.7	809	1996 FC ₂₃	1996 03 27.30278	14 41 14.63	-15 38 30.7	809
1996 FU ₂₂	1996 03 24.28264	14 39 04.48	-13 36 19.7	809	1996 FC ₂₃	1996 03 27.31458	14 41 14.23	-15 38 29.9	809	
1996 FU ₂₂	1996 03 24.29444	14 39 04.22	-13 36 17.6	809	1996 FD ₂₃	* 1996 03 24.27083	14 42 53.55	-12 15 01.1	18.4	809
1996 FU ₂₂	1996 03 27.29097	14 37 30.03	-13 28 42.0	809	1996 FD ₂₃	1996 03 24.28264	14 42 53.52	-12 14 57.5	809	
1996 FU ₂₂	1996 03 27.30278	14 37 29.60	-13 28 41.0	809	1996 FD ₂₃	1996 03 24.29444	14 42 53.38	-12 14 52.1	809	
1996 FU ₂₂	1996 03 27.31458	14 37 29.19	-13 28 38.8	809	1996 FD ₂₃	1996 03 27.29097	14 42 31.85	-11 54 57.7	809	
1996 FV ₂₂	* 1996 03 24.27083	14 39 24.06	-15 27 29.2	18.4	809	1996 FD ₂₃	1996 03 27.30278	14 42 31.70	-11 54 52.9	809
1996 FV ₂₂	1996 03 24.28264	14 39 23.73	-15 27 28.5	809	1996 FD ₂₃	1996 03 27.31458	14 42 31.50	-11 54 47.4	809	
1996 FV ₂₂	1996 03 24.29444	14 39 23.46	-15 27 28.0	809	1996 FE ₂₃	* 1996 03 24.27083	14 43 09.72	-12 49 27.9	18.7	809
1996 FV ₂₂	1996 03 27.29097	14 38 18.28	-15 23 57.3	809	1996 FE ₂₃	1996 03 24.28264	14 43 09.37	-12 49 25.1	809	
1996 FV ₂₂	1996 03 27.30278	14 38 17.92	-15 23 56.3	809	1996 FE ₂₃	1996 03 24.29444	14 43 09.16	-12 49 24.1	809	
1996 FV ₂₂	1996 03 27.31458	14 38 17.53	-15 23 55.2	809	1996 FE ₂₃	1996 03 27.29097	14 42 03.64	-12 38 36.9	809	
1996 FW ₂₂	* 1996 03 24.27083	14 39 41.52	-14 29 29.6	18.6	809	1996 FE ₂₃	1996 03 27.30278	14 42 03.44	-12 38 34.3	809
1996 FW ₂₂	1996 03 24.28264	14 39 41.11	-14 29 29.6	809	1996 FE ₂₃	1996 03 27.31458	14 42 03.17	-12 38 31.1	809	
1996 FW ₂₂	1996 03 24.29444	14 39 40.71	-14 29 30.6	809	1996 FF ₂₃	* 1996 03 24.27083	14 43 18.32	-13 53 17.3	18.0	809
1996 FW ₂₂	1996 03 27.29097	14 37 56.68	-14 27 41.8	809	1996 FF ₂₃	1996 03 24.28264	14 43 18.19	-13 53 14.2	809	
1996 FW ₂₂	1996 03 27.30278	14 37 56.08	-14 27 41.4	809	1996 FF ₂₃	1996 03 24.29444	14 43 18.03	-13 53 12.1	809	
1996 FW ₂₂	1996 03 27.31458	14 37 55.65	-14 27 41.1	809	1996 FF ₂₃	1996 03 27.29097	14 42 41.87	-13 41 00.9	809	
1996 FX ₂₂	* 1996 03 24.27083	14 40 25.20	-12 44 13.3	18.6	809	1996 FF ₂₃	1996 03 27.30278	14 42 41.63	-13 40 57.8	809
1996 FX ₂₂	1996 03 24.28264	14 40 24.78	-12 44 11.3	809	1996 FF ₂₃	1996 03 27.31458	14 42 41.39	-13 40 54.4	809	
1996 FX ₂₂	1996 03 24.29444	14 40 24.53	-12 44 09.5	809	1996 FG ₂₃	* 1996 03 24.27083	14 43 48.43	-13 21 27.3	18.6	809
1996 FX ₂₂	1996 03 27.29097	14 39 14.44	-12 35 12.3	809	1996 FG ₂₃	1996 03 24.28264	14 43 47.92	-13 21 25.6	809	
1996 FX ₂₂	1996 03 27.30278	14 39 14.12	-12 35 10.9	809	1996 FG ₂₃	1996 03 24.29444	14 43 47.63	-13 21 24.9	809	
1996 FX ₂₂	1996 03 27.31458	14 39 13.83	-12 35 09.6	809	1996 FG ₂₃	1996 03 27.29097	14 42 08.64	-13 17 03.5	809	
1996 FY ₂₂	* 1996 03 24.27083	14 40 46.72	-14 17 33.1	19.0	809	1996 FG ₂₃	1996 03 27.30278	14 42 08.17	-13 17 02.9	809
1996 FY ₂₂	1996 03 24.28264	14 40 46.50	-14 17 29.6	809	1996 FG ₂₃	1996 03 27.31458	14 42 07.75	-13 17 02.0	809	
1996 FY ₂₂	1996 03 24.29444	14 40 46.33	-14 17 25.9	809	1996 FH ₂₃	* 1996 03 24.27083	14 44 31.01	-13 51 36.5	18.7	809
1996 FY ₂₂	1996 03 27.29097	14 40 02.52	-14 04 50.0	809	1996 FH ₂₃	1996 03 24.28264	14 44 30.90	-13 51 34.9	809	
1996 FY ₂₂	1996 03 27.30278	14 40 02.27	-14 04 47.9	809	1996 FH ₂₃	1996 03 24.29444	14 44 30.85	-13 51 31.3	809	
1996 FY ₂₂	1996 03 27.31458	14 40 01.94	-14 04 45.7	809	1996 FH ₂₃	1996 03 27.29097	14 44 04.10	-13 34 13.2	809	
1996 FZ ₂₂	* 1996 03 24.27083	14 41 51.55	-15 30 45.8	18.7	809	1996 FH ₂₃	1996 03 27.30278	14 44 03.88	-13 34 09.2	809
1996 FZ ₂₂	1996 03 24.28264	14 41 51.39	-15 30 42.3	809	1996 FH ₂₃	1996 03 27.31458	14 44 03.70	-13 34 06.1	809	
1996 FZ ₂₂	1996 03 24.29444	14 41 51.21	-15 30 40.6	809	1996 FJ ₂₃	* 1996 03 24.27083	14 45 17.55	-14 30 06.2	18.6	809
1996 FZ ₂₂	1996 03 27.29097	14 40 49.65	-15 20 00.3	18.5	809	1996 FJ ₂₃	1996 03 24.28264	14 45 17.17	-14 30 05.4	809
1996 FZ ₂₂	1996 03 27.30278	14 40 49.45	-15 19 57.9	809	1996 FJ ₂₃	1996 03 24.29444	14 45 16.77	-14 30 05.3	809	
1996 FZ ₂₂	1996 03 27.31458	14 40 49.16	-15 19 55.0	809	1996 FJ ₂₃	1996 03 27.29097	14 43 49.41	-14 25 59.4	809	
1996 FA ₂₃	* 1996 03 24.27083	14 41 53.28	-15 29 31.9	18.7	809	1996 FJ ₂₃	1996 03 27.30278	14 43 49.05	-14 25 58.9	809
1996 FA ₂₃	1996 03 24.28264	14 41 53.10	-15 29 29.5	809	1996 FJ ₂₃	1996 03 27.31458	14 43 48.62	-14 25 58.8	809	
1996 FA ₂₃	1996 03 24.29444	14 41 52.86	-15 29 26.7	809	1996 FK ₂₃	* 1996 03 24.27083	14 47 03.21	-14 35 41.4	18.6	809
1996 FA ₂₃	1996 03 27.29097	14 41 01.35	-15 17 12.6	18.8	809	1996 FK ₂₃	1996 03 24.28264	14 47 02.91	-14 35 34.1	809
1996 FA ₂₃	1996 03 27.30278	14 41 01.11	-15 17 09.1	809	1996 FK ₂₃	1996 03 24.29444	14 47 02.60	-14 35 28.2	809	
1996 FA ₂₃	1996 03 27.31458	14 41 00.81	-15 17 06.9	809	1996 FK ₂₃	1996 03 27.29097	14 46 03.33	-14 13 45.8	809	
1996 FB ₂₃	* 1996 03 24.27083	14 41 55.77	-11 46 26.2	18.6	809	1996 FK ₂₃	1996 03 27.30278	14 46 03.09	-14 13 40.7	809
1996 FB ₂₃	1996 03 24.28264	14 41 55.48	-11 46 25.3	809	1996 FK ₂₃	1996 03 27.31458	14 46 02.75	-14 13 36.2	809	
1996 FB ₂₃	1996 03 24.29444	14 41 55.03	-11 46 25.1	809	1996 GM ₁₇	1996 03 24.27083	14 28 50.79	-12 41 34.8	18.5	809
1996 FB ₂₃	1996 03 27.29097	14 40 34.48	-11 48 16.9	809	1996 GM ₁₇	1996 03 24.28264	14 28 50.44	-12 41 34.7	809	
1996 FB ₂₃	1996 03 27.30278	14 40 34.08	-11 48 16.3	809	1996 GM ₁₇	1996 03 24.29444	14 28 50.15	-12 41 35.9	809	
1996 FB ₂₃	1996 03 27.31458	14 40 33.75	-11 48 16.4	809	1996 GM ₁₇	1996 03 27.29097	14 27 28.18	-12 41 59.6	809	
1996 FC ₂₃	* 1996 03 24.27083	14 42 44.76	-15 41 30.9	18.5	809	1996 GM ₁₇	1996 03 27.30278	14 27 27.80	-12 42 00.4	809
1996 FC ₂₃	1996 03 24.28264	14 42 44.34	-15 41 30.1	809	1996 GM ₁₇	1996 03 27.31458	14 27 27.46	-12 42 00.3	809	

1996 GN ₁₇	1996 03 24.27083	14 27 49.31	-13 55 15.2	18.5	809	1996 GG ₁₈	1996 03 24.28264	14 30 42.24	-15 35 43.9	809
1996 GN ₁₇	1996 03 24.28264	14 27 49.06	-13 55 13.2		809	1996 GG ₁₈	1996 03 24.29444	14 30 41.89	-15 35 42.7	809
1996 GN ₁₇	1996 03 24.29444	14 27 48.81	-13 55 11.8		809	1996 GG ₁₈	1996 03 27.29097	14 29 22.66	-15 25 02.0	809
1996 GN ₁₇	1996 03 27.29097	14 26 32.00	-13 44 53.5		809	1996 GG ₁₈	1996 03 27.30278	14 29 22.42	-15 24 59.4	809
1996 GN ₁₇	1996 03 27.30278	14 26 31.62	-13 44 51.3		809	1996 GG ₁₈	1996 03 27.31458	14 29 22.02	-15 24 56.9	809
1996 GN ₁₇	1996 03 27.31458	14 26 31.22	-13 44 47.9		809	1996 GK ₁₈	1996 03 24.27083	14 32 05.64	-14 10 27.0	18.5 809
1996 GR ₁₇	1996 03 24.27083	14 31 18.70	-14 54 35.3	18.6	809	1996 GK ₁₈	1996 03 24.28264	14 32 05.28	-14 10 24.0	809
1996 GR ₁₇	1996 03 24.28264	14 31 18.17	-14 54 36.6		809	1996 GK ₁₈	1996 03 24.29444	14 32 04.94	-14 10 22.0	809
1996 GR ₁₇	1996 03 24.29444	14 31 17.75	-14 54 36.3		809	1996 GK ₁₈	1996 03 27.29097	14 30 38.10	-13 58 57.8	809
1996 GR ₁₇	1996 03 27.29097	14 29 29.61	-14 52 05.2		809	1996 GK ₁₈	1996 03 27.30278	14 30 37.70	-13 58 54.2	809
1996 GR ₁₇	1996 03 27.30278	14 29 29.15	-14 52 03.8		809	1996 GK ₁₈	1996 03 27.31458	14 30 37.30	-13 58 53.3	809
1996 GR ₁₇	1996 03 27.31458	14 29 28.69	-14 52 02.7		809	1996 GL ₁₈	1996 03 24.27083	14 32 15.92	-11 56 57.4	18.3 809
1996 GU ₁₇	1996 03 24.27083	14 31 08.41	-13 14 12.0	18.5	809	1996 GL ₁₈	1996 03 24.28264	14 32 15.57	-11 56 54.9	809
1996 GU ₁₇	1996 03 24.28264	14 31 08.03	-13 14 13.3		809	1996 GL ₁₈	1996 03 24.29444	14 32 15.23	-11 56 54.5	809
1996 GU ₁₇	1996 03 24.29444	14 31 07.69	-13 14 14.0		809	1996 GL ₁₈	1996 03 27.29097	14 30 50.53	-11 50 48.8	809
1996 GU ₁₇	1996 03 27.29097	14 29 36.15	-13 19 31.0		809	1996 GL ₁₈	1996 03 27.30278	14 30 50.13	-11 50 47.3	809
1996 GU ₁₇	1996 03 27.30278	14 29 35.75	-13 19 32.1		809	1996 GL ₁₈	1996 03 27.31458	14 30 49.70	-11 50 45.8	809
1996 GU ₁₇	1996 03 27.31458	14 29 35.23	-13 19 33.6		809	1996 GM ₁₈	1996 03 24.27083	14 30 06.44	-15 41 59.9	18.5 809
1996 GV ₁₇	1996 03 27.29097	14 25 38.67	-15 04 09.1		809	1996 GM ₁₈	1996 03 24.28264	14 30 06.15	-15 41 57.6	809
1996 GV ₁₇	1996 03 27.30278	14 25 38.35	-15 04 05.7		809	1996 GM ₁₈	1996 03 24.29444	14 30 05.99	-15 41 56.1	809
1996 GV ₁₇	1996 03 27.31458	14 25 38.03	-15 04 01.6		809	1996 GM ₁₈	1996 03 27.29097	14 29 11.66	-15 33 11.2	809
1996 GY ₁₇	1996 03 24.27083	14 29 35.95	-15 11 00.0	18.7	809	1996 GM ₁₈	1996 03 27.30278	14 29 11.42	-15 33 08.5	809
1996 GY ₁₇	1996 03 24.28264	14 29 35.57	-15 10 59.3		809	1996 GM ₁₈	1996 03 27.31458	14 29 10.97	-15 33 06.7	809
1996 GY ₁₇	1996 03 24.29444	14 29 35.17	-15 10 57.3		809	1996 GO ₁₈	1996 03 24.27083	14 33 01.84	-14 22 42.0	18.6 809
1996 GY ₁₇	1996 03 27.29097	14 28 09.94	-15 06 19.8		809	1996 GO ₁₈	1996 03 24.28264	14 33 01.48	-14 22 39.6	809
1996 GY ₁₇	1996 03 27.30278	14 28 09.56	-15 06 18.7		809	1996 GO ₁₈	1996 03 24.29444	14 33 01.11	-14 22 36.4	809
1996 GY ₁₇	1996 03 27.31458	14 28 09.14	-15 06 16.6		809	1996 GO ₁₈	1996 03 27.29097	14 31 38.19	-14 09 24.3	809
1996 GZ ₁₇	1996 03 24.27083	14 30 01.20	-15 06 13.1	18.6	809	1996 GO ₁₈	1996 03 27.30278	14 31 37.79	-14 09 22.3	809
1996 GZ ₁₇	1996 03 24.28264	14 30 00.90	-15 06 10.3		809	1996 GO ₁₈	1996 03 27.31458	14 31 37.34	-14 09 19.8	809
1996 GZ ₁₇	1996 03 24.29444	14 30 00.57	-15 06 07.5		809	1996 GV ₁₈	1996 03 24.27083	14 37 24.03	-11 59 39.5	18.5 809
1996 GZ ₁₇	1996 03 27.29097	14 28 48.62	-14 52 33.7		809	1996 GV ₁₈	1996 03 24.28264	14 37 23.53	-11 59 38.1	809
1996 GZ ₁₇	1996 03 27.30278	14 28 48.28	-14 52 30.6		809	1996 GV ₁₈	1996 03 24.29444	14 37 23.20	-11 59 37.5	809
1996 GZ ₁₇	1996 03 27.31458	14 28 47.88	-14 52 28.4		809	1996 GV ₁₈	1996 03 27.29097	14 35 39.56	-11 56 26.0	809
1996 GA ₁₈	1996 03 24.27083	14 27 43.22	-14 50 07.8	18.4	809	1996 GV ₁₈	1996 03 27.30278	14 35 39.13	-11 56 24.8	809
1996 GA ₁₈	1996 03 24.28264	14 27 43.09	-14 50 03.8		809	1996 GV ₁₈	1996 03 27.31458	14 35 38.61	-11 56 25.2	809
1996 GA ₁₈	1996 03 24.29444	14 27 42.84	-14 50 01.0		809	1996 GW ₁₈	1996 03 24.27083	14 32 47.52	-14 02 44.9	18.7 809
1996 GA ₁₈	1996 03 27.29097	14 26 49.21	-14 33 01.9		809	1996 GW ₁₈	1996 03 24.28264	14 32 47.38	-14 02 43.2	809
1996 GA ₁₈	1996 03 27.30278	14 26 48.91	-14 32 56.0		809	1996 GW ₁₈	1996 03 24.29444	14 32 47.14	-14 02 41.3	809
1996 GA ₁₈	1996 03 27.31458	14 26 48.62	-14 32 52.5		809	1996 GW ₁₈	1996 03 27.29097	14 31 53.24	-13 54 04.8	809
1996 GB ₁₈	1996 03 24.27083	14 34 34.09	-13 08 14.7	18.5	809	1996 GW ₁₈	1996 03 27.30278	14 31 53.00	-13 54 03.1	809
1996 GB ₁₈	1996 03 24.28264	14 34 33.59	-13 08 14.2		809	1996 GW ₁₈	1996 03 27.31458	14 31 52.69	-13 54 00.6	809
1996 GB ₁₈	1996 03 24.29444	14 34 33.21	-13 08 13.7		809	1996 GX ₁₈	1996 03 24.27083	14 37 03.81	-13 35 49.8	19.0 809
1996 GB ₁₈	1996 03 27.29097	14 32 49.42	-13 05 48.3		809	1996 GX ₁₈	1996 03 24.28264	14 37 03.37	-13 35 47.1	809
1996 GB ₁₈	1996 03 27.30278	14 32 48.93	-13 05 47.6		809	1996 GX ₁₈	1996 03 24.29444	14 37 02.96	-13 35 44.6	809
1996 GB ₁₈	1996 03 27.31458	14 32 48.44	-13 05 47.1		809	1996 GA ₁₉	1996 03 24.27083	14 36 59.07	-12 07 54.3	18.4 809
1996 GC ₁₈	1996 03 24.27083	14 31 32.17	-13 31 22.7	18.6	809	1996 GA ₁₉	1996 03 24.28264	14 36 58.78	-12 07 53.5	809
1996 GC ₁₈	1996 03 24.28264	14 31 31.77	-13 31 21.0		809	1996 GA ₁₉	1996 03 24.29444	14 36 58.41	-12 07 52.6	809
1996 GC ₁₈	1996 03 24.29444	14 31 31.40	-13 31 19.8		809	1996 GA ₁₉	1996 03 27.29097	14 35 39.45	-12 05 41.7	809
1996 GC ₁₈	1996 03 27.29097	14 30 02.62	-13 22 58.5		809	1996 GA ₁₉	1996 03 27.30278	14 35 39.04	-12 05 40.9	809
1996 GC ₁₈	1996 03 27.30278	14 30 02.22	-13 22 57.0		809	1996 GA ₁₉	1996 03 27.31458	14 35 38.61	-12 05 40.9	809
1996 GC ₁₈	1996 03 27.31458	14 30 01.71	-13 22 55.6		809	1996 GE ₁₉	1996 03 24.27083	14 31 10.12	-14 40 48.1	18.0 809
1996 GG ₁₈	1996 03 24.27083	14 30 42.57	-15 35 47.2	18.4	809	1996 GE ₁₉	1996 03 24.28264	14 31 09.87	-14 40 43.8	809

1996 GE ₁₉	1996 03 24.29444	14 31 09.60	-14 40 40.7	809	1996 GG ₂₀	1996 03 24.27083	14 41 07.29	-12 11 04.3	18.6	809
1996 GE ₁₉	1996 03 27.29097	14 30 11.88	-14 25 42.0	809	1996 GG ₂₀	1996 03 24.28264	14 41 06.85	-12 11 01.9		809
1996 GE ₁₉	1996 03 27.30278	14 30 11.67	-14 25 38.5	809	1996 GG ₂₀	1996 03 24.29444	14 41 06.60	-12 11 00.3		809
1996 GE ₁₉	1996 03 27.31458	14 30 11.42	-14 25 34.4	809	1996 GG ₂₀	1996 03 27.29097	14 39 49.76	-12 02 01.3		809
1996 GF ₁₉	1996 03 24.27083	14 35 52.02	-13 24 03.1	18.5	809	1996 GG ₂₀	1996 03 27.30278	14 39 49.42	-12 01 59.5	809
1996 GF ₁₉	1996 03 24.28264	14 35 51.77	-13 23 59.3	809	1996 GG ₂₀	1996 03 27.31458	14 39 49.02	-12 01 58.2		809
1996 GF ₁₉	1996 03 24.29444	14 35 51.50	-13 23 55.4	809	1996 GH ₂₀	1996 03 24.27083	14 42 10.44	-12 46 40.3	19.0	809
1996 GF ₁₉	1996 03 27.29097	14 34 44.35	-13 08 01.8	809	1996 GH ₂₀	1996 03 24.28264	14 42 10.11	-12 46 37.5		809
1996 GF ₁₉	1996 03 27.30278	14 34 44.03	-13 07 58.1	809	1996 GH ₂₀	1996 03 24.29444	14 42 09.86	-12 46 36.3		809
1996 GF ₁₉	1996 03 27.31458	14 34 43.69	-13 07 53.5	809	1996 GH ₂₀	1996 03 27.29097	14 40 49.54	-12 39 25.7		809
1996 GJ ₁₉	1996 03 24.27083	14 36 20.50	-14 00 53.3	18.8	809	1996 GH ₂₀	1996 03 27.30278	14 40 49.13	-12 39 23.6	809
1996 GJ ₁₉	1996 03 24.28264	14 36 20.03	-14 00 52.5	809	1996 GH ₂₀	1996 03 27.31458	14 40 48.70	-12 39 21.2		809
1996 GJ ₁₉	1996 03 24.29444	14 36 19.74	-14 00 51.7	809	1996 GL ₂₀	1996 03 24.27083	14 43 56.32	-14 19 35.1	18.7	809
1996 GJ ₁₉	1996 03 27.29097	14 35 02.88	-13 52 31.1	809	1996 GL ₂₀	1996 03 24.28264	14 43 55.90	-14 19 36.7		809
1996 GJ ₁₉	1996 03 27.30278	14 35 02.52	-13 52 28.4	809	1996 GL ₂₀	1996 03 24.29444	14 43 55.65	-14 19 37.4		809
1996 GJ ₁₉	1996 03 27.31458	14 35 02.10	-13 52 26.8	809	1996 GL ₂₀	1996 03 27.29097	14 42 44.57	-14 22 31.1		809
1996 GN ₁₉	1996 03 24.27083	14 37 16.61	-14 30 52.3	18.0	809	1996 GL ₂₀	1996 03 27.30278	14 42 44.23	-14 22 33.1	809
1996 GN ₁₉	1996 03 24.28264	14 37 16.45	-14 30 49.7	809	1996 GL ₂₀	1996 03 27.31458	14 42 43.90	-14 22 33.0		809
1996 GN ₁₉	1996 03 24.29444	14 37 16.19	-14 30 46.8	809	1996 GM ₂₀	1996 03 24.27083	14 40 31.60	-14 57 42.1	18.3	809
1996 GN ₁₉	1996 03 27.29097	14 36 20.15	-14 17 39.5	809	1996 GM ₂₀	1996 03 24.28264	14 40 31.42	-14 57 41.7		809
1996 GN ₁₉	1996 03 27.30278	14 36 19.86	-14 17 36.1	809	1996 GM ₂₀	1996 03 24.29444	14 40 31.11	-14 57 41.2		809
1996 GN ₁₉	1996 03 27.31458	14 36 19.59	-14 17 33.0	809	1996 GM ₂₀	1996 03 27.29097	14 39 33.53	-14 53 32.6		809
1996 GO ₁₉	1996 03 24.27083	14 35 54.82	-16 22 12.7	18.5	809	1996 GM ₂₀	1996 03 27.30278	14 39 33.28	-14 53 31.4	809
1996 GO ₁₉	1996 03 24.28264	14 35 54.60	-16 22 10.2	809	1996 GM ₂₀	1996 03 27.31458	14 39 32.98	-14 53 30.6		809
1996 GO ₁₉	1996 03 24.29444	14 35 54.36	-16 22 06.8	809	1996 GO ₂₀	1996 03 24.27083	14 43 30.80	-14 58 55.7	18.6	809
1996 GO ₁₉	1996 03 27.29097	14 35 01.95	-16 07 36.7	809	1996 GO ₂₀	1996 03 24.28264	14 43 30.49	-14 58 54.4		809
1996 GO ₁₉	1996 03 27.30278	14 35 01.72	-16 07 34.4	809	1996 GO ₂₀	1996 03 24.29444	14 43 30.16	-14 58 52.2		809
1996 GO ₁₉	1996 03 27.31458	14 35 01.35	-16 07 32.1	809	1996 GO ₂₀	1996 03 27.29097	14 42 10.94	-14 49 03.5		809
1996 GT ₁₉	1996 03 24.27083	14 37 05.48	-12 23 50.5	18.5	809	1996 GO ₂₀	1996 03 27.30278	14 42 10.54	-14 49 01.0	809
1996 GT ₁₉	1996 03 24.28264	14 37 05.14	-12 23 47.3	809	1996 GO ₂₀	1996 03 27.31458	14 42 10.14	-14 48 58.0		809
1996 GT ₁₉	1996 03 24.29444	14 37 04.82	-12 23 42.7	809	1996 GR ₂₀	1996 03 24.27083	14 41 52.29	-12 06 35.6	18.3	809
1996 GT ₁₉	1996 03 27.29097	14 35 51.38	-12 09 09.8	809	1996 GR ₂₀	1996 03 24.28264	14 41 52.12	-12 06 34.5		809
1996 GT ₁₉	1996 03 27.30278	14 35 51.02	-12 09 05.8	809	1996 GR ₂₀	1996 03 24.29444	14 41 51.87	-12 06 33.7		809
1996 GT ₁₉	1996 03 27.31458	14 35 50.59	-12 09 02.7	809	1996 GR ₂₀	1996 03 27.29097	14 40 55.53	-12 01 22.4		809
1996 GY ₁₉	1996 03 24.27083	14 38 17.09	-11 45 17.3	18.5	809	1996 GR ₂₀	1996 03 27.30278	14 40 55.26	-12 01 21.9	809
1996 GY ₁₉	1996 03 24.28264	14 38 16.84	-11 45 15.8	809	1996 GR ₂₀	1996 03 27.31458	14 40 54.90	-12 01 20.3		809
1996 GY ₁₉	1996 03 24.29444	14 38 16.59	-11 45 14.3	809	1996 GU ₂₀	1996 03 27.29097	14 43 45.92	-13 38 23.4		809
1996 GY ₁₉	1996 03 27.29097	14 37 10.60	-11 38 11.9	809	1996 GU ₂₀	1996 03 27.30278	14 43 45.58	-13 38 22.1		809
1996 GY ₁₉	1996 03 27.30278	14 37 10.40	-11 38 10.8	809	1996 GU ₂₀	1996 03 27.31458	14 43 45.32	-13 38 22.0		809
1996 GY ₁₉	1996 03 27.31458	14 37 10.06	-11 38 07.6	809	1996 HT ₂	1996 03 24.27083	14 33 10.66	-12 31 44.2	18.5	809
1996 GD ₂₀	1996 03 24.27083	14 39 30.25	-13 21 38.7	18.5	809	1996 HT ₂	1996 03 24.28264	14 33 10.46	-12 31 38.6	809
1996 GD ₂₀	1996 03 24.28264	14 39 30.03	-13 21 35.2	809	1996 HT ₂	1996 03 24.29444	14 33 10.23	-12 31 32.4		809
1996 GD ₂₀	1996 03 24.29444	14 39 29.89	-13 21 33.4	809	1996 HT ₂	1996 03 27.29097	14 32 10.95	-12 05 25.9		809
1996 GD ₂₀	1996 03 27.29097	14 38 44.69	-13 06 22.8	809	1996 HT ₂	1996 03 27.30278	14 32 10.61	-12 05 19.0		809
1996 GD ₂₀	1996 03 27.30278	14 38 44.43	-13 06 18.7	809	1996 HT ₂	1996 03 27.31458	14 32 10.34	-12 05 13.0		809
1996 GD ₂₀	1996 03 27.31458	14 38 44.14	-13 06 15.8	809	1996 HF ₈	1996 03 24.27083	14 48 12.79	-14 19 04.0	18.7	809
1996 GF ₂₀	1996 03 24.27083	14 41 09.51	-15 58 22.1	18.7	809	1996 HF ₈	1996 03 24.28264	14 48 12.45	-14 19 05.6	809
1996 GF ₂₀	1996 03 24.28264	14 41 09.22	-15 58 19.4	809	1996 HF ₈	1996 03 24.29444	14 48 12.11	-14 19 07.4		809
1996 GF ₂₀	1996 03 24.29444	14 41 08.98	-15 58 17.8	809	1996 HF ₈	1996 03 27.29097	14 46 57.29	-14 24 19.9		809
1996 GF ₂₀	1996 03 27.29097	14 40 10.83	-15 47 26.6	809	1996 HF ₈	1996 03 27.30278	14 46 56.78	-14 24 21.3		809
1996 GF ₂₀	1996 03 27.30278	14 40 10.63	-15 47 24.6	809	1996 HF ₈	1996 03 27.31458	14 46 56.48	-14 24 22.6		809
1996 GF ₂₀	1996 03 27.31458	14 40 10.41	-15 47 21.9	809	1996 HS ₈	1996 03 24.27083	14 47 03.01	-14 24 21.7	18.7	809

1996 HS ₈	1996 03 24.28264	14 47 02.67	-14 24 20.0	809	4069 P-L	1996 03 24.29444	14 38 11.79	-13 54 12.7	809
1996 HS ₈	1996 03 24.29444	14 47 02.41	-14 24 17.9	809	4069 P-L	1996 03 27.29097	14 37 06.39	-13 39 53.5	809
1996 HS ₈	1996 03 27.29097	14 45 45.84	-14 18 14.4	809	4069 P-L	1996 03 27.30278	14 37 06.04	-13 39 51.2	809
1996 HS ₈	1996 03 27.30278	14 45 45.41	-14 18 13.0	809	4069 P-L	1996 03 27.31458	14 37 05.79	-13 39 47.9	809
1996 HS ₈	1996 03 27.31458	14 45 45.06	-14 18 11.1	809	4668 P-L	1996 03 24.27083	14 36 08.02	-15 10 25.3	19.0 809
1996 HW ₈	1996 03 24.27083	14 47 35.32	-15 54 46.5	18.6 809	4668 P-L	1996 03 24.28264	14 36 07.40	-15 10 25.4	809
1996 HW ₈	1996 03 24.28264	14 47 35.01	-15 54 42.4	809	4668 P-L	1996 03 24.29444	14 36 07.04	-15 10 25.2	809
1996 HW ₈	1996 03 24.29444	14 47 34.77	-15 54 40.8	809	4668 P-L	1996 03 27.29097	14 34 20.41	-15 10 13.1	809
1996 JF ₁	1996 03 24.27083	14 38 44.36	-16 09 23.4	18.5 809	4668 P-L	1996 03 27.30278	14 34 19.94	-15 10 13.7	809
1996 JF ₁	1996 03 24.28264	14 38 44.03	-16 09 21.3	809	4668 P-L	1996 03 27.31458	14 34 19.52	-15 10 13.6	809
1996 JF ₁	1996 03 24.29444	14 38 43.74	-16 09 19.3	809	9070 P-L	1996 03 27.29097	14 26 04.89	-14 24 16.2	809
1996 JF ₁	1996 03 27.29097	14 37 33.22	-15 58 56.3	809	9070 P-L	1996 03 27.30278	14 26 04.36	-14 24 11.6	809
1996 JF ₁	1996 03 27.30278	14 37 32.82	-15 58 53.6	809	9070 P-L	1996 03 27.31458	14 26 03.96	-14 24 09.7	809
1996 JF ₁	1996 03 27.31458	14 37 32.50	-15 58 51.7	809	3222 T-1	1996 03 24.27083	14 29 33.04	-16 01 12.6	18.5 809
1996 JS ₅	1996 03 24.27083	14 47 02.51	-12 27 34.7	18.6 809	3222 T-1	1996 03 24.28264	14 29 32.63	-16 01 12.4	809
1996 JS ₅	1996 03 24.28264	14 47 02.22	-12 27 32.4	809	3222 T-1	1996 03 24.29444	14 29 32.32	-16 01 10.7	809
1996 JS ₅	1996 03 24.29444	14 47 01.97	-12 27 30.6	809	3222 T-1	1996 03 27.29097	14 28 12.69	-15 53 46.3	809
1996 JS ₅	1996 03 27.29097	14 46 02.40	-12 17 53.0	809	3222 T-1	1996 03 27.30278	14 28 12.31	-15 53 44.4	809
1996 JS ₅	1996 03 27.30278	14 46 02.22	-12 17 51.3	809	3222 T-1	1996 03 27.31458	14 28 11.76	-15 53 42.0	809
1996 JS ₅	1996 03 27.31458	14 46 01.93	-12 17 48.9	809	4302 T-1	1996 03 27.29097	14 39 42.55	-11 37 52.7	809
1996 LV ₃	1996 03 24.27083	14 45 49.37	-12 07 06.7	18.5 809	4302 T-1	1996 03 27.30278	14 39 42.11	-11 37 51.6	809
1996 LV ₃	1996 03 24.28264	14 45 49.10	-12 07 05.3	809	4302 T-1	1996 03 27.31458	14 39 41.68	-11 37 50.7	809
1996 LV ₃	1996 03 24.29444	14 45 48.83	-12 07 04.7	809	4408 T-1	1996 03 24.27083	14 44 41.04	-12 23 04.9	18.5 809
1996 LV ₃	1996 03 27.29097	14 44 39.52	-12 01 06.4	809	4408 T-1	1996 03 24.28264	14 44 40.61	-12 23 03.3	809
1996 LV ₃	1996 03 27.30278	14 44 39.16	-12 01 05.2	809	4408 T-1	1996 03 24.29444	14 44 40.25	-12 23 01.4	809
1996 LV ₃	1996 03 27.31458	14 44 38.80	-12 01 03.6	809	4408 T-1	1996 03 27.29097	14 43 06.25	-12 16 33.8	809
1996 LG ₄	1996 03 24.27083	14 46 39.17	-12 26 46.7	18.6 809	4408 T-1	1996 03 27.30278	14 43 05.80	-12 16 32.3	809
1996 LG ₄	1996 03 24.28264	14 46 38.77	-12 26 44.6	809	4408 T-1	1996 03 27.31458	14 43 05.35	-12 16 31.2	809
1996 LG ₄	1996 03 24.29444	14 46 38.48	-12 26 43.0	809	1045 T-2	1996 03 24.27083	14 27 46.80	-13 13 31.7	18.4 809
1996 LG ₄	1996 03 27.29097	14 45 30.33	-12 19 56.6	809	1045 T-2	1996 03 24.28264	14 27 46.41	-13 13 27.5	809
1996 LG ₄	1996 03 27.30278	14 45 29.91	-12 19 55.3	809	1045 T-2	1996 03 24.29444	14 27 45.99	-13 13 24.0	809
1996 LG ₄	1996 03 27.31458	14 45 29.59	-12 19 52.5	809	1045 T-2	1996 03 27.29097	14 26 11.24	-12 55 36.6	809
1996 TX ₆₄	1996 10 04.09792	23 41 53.61	+02 46 43.5	809	1045 T-2	1996 03 27.30278	14 26 10.85	-12 55 32.5	809
1996 TX ₆₄	1996 10 04.11111	23 41 52.89	+02 46 42.5	809	1045 T-2	1996 03 27.31458	14 26 10.39	-12 55 28.4	809
1996 TX ₆₄	1996 10 04.12431	23 41 51.82	+02 46 40.3	809	2116 T-2	1996 03 24.27083	14 47 45.93	-15 52 54.6	18.6 809
1996 TP ₆₅	1996 10 04.09792	23 35 12.48	+05 05 50.7	809	2116 T-2	1996 03 24.28264	14 47 45.56	-15 52 53.1	809
1996 TP ₆₅	1996 10 04.11111	23 35 11.96	+05 05 44.7	809	2116 T-2	1996 03 24.29444	14 47 45.27	-15 52 53.3	809
1996 TP ₆₅	1996 10 04.12431	23 35 11.40	+05 05 35.2	809	(257)	1996 03 24.27083	14 31 03.89	-14 25 55.1	17.0 809
2016 P-L	1996 03 24.27083	14 31 31.53	-13 08 32.7	18.4 809	(257)	1996 03 24.28264	14 31 03.44	-14 25 53.3	809
2016 P-L	1996 03 24.28264	14 31 31.18	-13 08 30.1	809	(257)	1996 03 24.29444	14 31 03.08	-14 25 52.6	809
2016 P-L	1996 03 24.29444	14 31 30.82	-13 08 27.0	809	(257)	1996 03 27.29097	14 29 33.30	-14 20 46.4	809
2016 P-L	1996 03 27.29097	14 30 11.59	-12 55 14.9	809	(257)	1996 03 27.30278	14 29 32.83	-14 20 46.1	809
2016 P-L	1996 03 27.30278	14 30 11.18	-12 55 11.2	809	(257)	1996 03 27.31458	14 29 32.38	-14 20 44.7	809
2016 P-L	1996 03 27.31458	14 30 10.82	-12 55 08.1	809	(1004)	1996 03 24.27083	14 39 04.72	-12 04 24.6	17.5 809
2206 P-L	1996 03 24.27083	14 35 51.89	-13 08 21.7	18.5 809	(1004)	1996 03 24.28264	14 39 04.40	-12 04 22.5	809
2206 P-L	1996 03 24.28264	14 35 51.55	-13 08 18.2	809	(1004)	1996 03 24.29444	14 39 04.07	-12 04 20.2	809
2206 P-L	1996 03 24.29444	14 35 51.19	-13 08 15.5	809	(1004)	1996 03 27.29097	14 37 51.39	-11 55 44.3	809
2206 P-L	1996 03 27.29097	14 34 29.51	-12 53 54.7	809	(1004)	1996 03 27.30278	14 37 51.01	-11 55 42.4	809
2206 P-L	1996 03 27.30278	14 34 29.24	-12 53 51.9	809	(1004)	1996 03 27.31458	14 37 50.64	-11 55 40.0	809
2206 P-L	1996 03 27.31458	14 34 28.81	-12 53 48.2	809	(1623)	1996 03 24.27083	14 37 42.75	-11 56 51.3	17.5 809
4069 P-L	1996 03 24.27083	14 38 12.32	-13 54 19.2	18.4 809	(1623)	1996 03 24.28264	14 37 42.33	-11 56 49.2	809
4069 P-L	1996 03 24.28264	14 38 12.05	-13 54 15.9	809	(1623)	1996 03 24.29444	14 37 41.94	-11 56 47.4	809

(1623)	1996 03 27.29097	14 36 18.34	-11 48 17.5	809	(4097)	1996 03 27.30278	14 26 19.20	-15 13 37.0	809
(1623)	1996 03 27.30278	14 36 17.95	-11 48 15.4	809	(4097)	1996 03 27.31458	14 26 18.76	-15 13 36.9	809
(1623)	1996 03 27.31458	14 36 17.55	-11 48 13.7	809	(4143)	1996 03 24.27083	14 46 20.28	-13 24 07.7	18.4 809
(2275)	1996 03 24.27083	14 43 22.58	-13 52 01.0	809	(4143)	1996 03 24.28264	14 46 20.03	-13 24 05.8	809
(2275)	1996 03 24.28264	14 43 22.30	-13 51 57.2	809	(4143)	1996 03 24.29444	14 46 19.72	-13 24 05.1	809
(2275)	1996 03 24.29444	14 43 21.96	-13 51 54.3	809	(4143)	1996 03 27.29097	14 45 06.89	-13 17 13.2	809
(2275)	1996 03 27.29097	14 42 05.68	-13 37 18.0	809	(4143)	1996 03 27.30278	14 45 06.51	-13 17 11.5	809
(2275)	1996 03 27.30278	14 42 05.26	-13 37 13.3	809	(4143)	1996 03 27.31458	14 45 06.13	-13 17 09.8	809
(2275)	1996 03 27.31458	14 42 04.88	-13 37 10.0	809	(4153)	1996 03 24.27083	14 36 19.37	-13 59 34.6	18.0 809
(2377)	1996 03 24.27083	14 40 00.67	-16 44 22.9	809	(4153)	1996 03 24.28264	14 36 19.02	-13 59 32.8	809
(2377)	1996 03 24.28264	14 40 00.34	-16 44 20.5	809	(4153)	1996 03 24.29444	14 36 18.79	-13 59 32.4	809
(2377)	1996 03 24.29444	14 39 59.99	-16 44 19.7	809	(4153)	1996 03 27.29097	14 35 11.66	-13 54 25.0	809
(2473)	1996 03 24.27083	14 32 45.55	-12 04 38.4	809	(4153)	1996 03 27.30278	14 35 11.26	-13 54 24.1	809
(2473)	1996 03 24.28264	14 32 45.14	-12 04 34.3	809	(4153)	1996 03 27.31458	14 35 10.97	-13 54 22.7	809
(2473)	1996 03 24.29444	14 32 44.71	-12 04 30.2	809	(4829)	1996 03 24.27083	14 33 18.65	-16 28 46.0	18.5 809
(2473)	1996 03 27.29097	14 31 05.96	-11 48 12.6	809	(4829)	1996 03 24.28264	14 33 18.36	-16 28 44.2	809
(2473)	1996 03 27.30278	14 31 05.48	-11 48 08.4	809	(4829)	1996 03 24.29444	14 33 18.23	-16 28 43.0	809
(2473)	1996 03 27.31458	14 31 05.00	-11 48 04.5	809	(4829)	1996 03 27.29097	14 32 20.09	-16 21 54.9	809
(2526)	1996 03 24.27083	14 32 15.54	-16 02 53.1	809	(4829)	1996 03 27.30278	14 32 19.87	-16 21 53.5	809
(2526)	1996 03 24.28264	14 32 15.10	-16 02 52.1	809	(4829)	1996 03 27.31458	14 32 19.65	-16 21 51.9	809
(2526)	1996 03 24.29444	14 32 14.79	-16 02 51.8	809	(5674)	1996 03 24.27083	14 45 18.33	-15 30 07.2	18.4 809
(2526)	1996 03 27.29097	14 30 43.08	-15 58 11.0	809	(5674)	1996 03 24.28264	14 45 18.02	-15 30 06.0	809
(2526)	1996 03 27.30278	14 30 42.70	-15 58 09.9	809	(5674)	1996 03 24.29444	14 45 17.66	-15 30 05.4	809
(2526)	1996 03 27.31458	14 30 42.23	-15 58 08.7	809	(6925)	1996 03 24.27083	14 45 08.97	-15 05 55.8	17.8 809
(2528)	1996 03 24.27083	14 35 35.27	-14 42 21.9	809	(6925)	1996 03 24.28264	14 45 08.77	-15 05 51.0	809
(2528)	1996 03 24.28264	14 35 34.94	-14 42 20.3	809	(6925)	1996 03 24.29444	14 45 08.53	-15 05 46.8	809
(2528)	1996 03 24.29444	14 35 34.61	-14 42 18.8	809	(6925)	1996 03 27.29097	14 44 15.09	-14 46 24.7	809
(2528)	1996 03 27.29097	14 34 15.41	-14 35 31.6	809	(6925)	1996 03 27.30278	14 44 14.89	-14 46 20.4	809
(2528)	1996 03 27.30278	14 34 15.07	-14 35 31.0	809	(6925)	1996 03 27.31458	14 44 14.56	-14 46 15.8	809
(2528)	1996 03 27.31458	14 34 14.65	-14 35 29.0	809	(6984)	1996 03 24.27083	14 38 23.34	-12 55 54.3	18.0 809
(2540)	1996 03 24.27083	14 27 17.39	-13 47 36.9	809	(6984)	1996 03 24.28264	14 38 23.09	-12 55 50.2	809
(2540)	1996 03 24.28264	14 27 16.91	-13 47 34.3	809	(6984)	1996 03 24.29444	14 38 22.80	-12 55 47.9	809
(2540)	1996 03 24.29444	14 27 16.48	-13 47 31.8	809	(6984)	1996 03 27.29097	14 37 15.83	-12 41 46.9	809
(2540)	1996 03 27.29097	14 25 38.13	-13 36 55.5	809	(6984)	1996 03 27.30278	14 37 15.50	-12 41 43.8	809
(2540)	1996 03 27.30278	14 25 37.68	-13 36 52.6	809	(6984)	1996 03 27.31458	14 37 15.16	-12 41 40.3	809
(2540)	1996 03 27.31458	14 25 37.18	-13 36 50.2	809	(7038)	1996 03 24.27083	14 47 50.76	-16 02 52.6	18.5 809
(3133)	1996 03 24.27083	14 31 02.44	-12 48 51.4	809	(7038)	1996 03 24.28264	14 47 50.38	-16 02 50.9	809
(3133)	1996 03 24.28264	14 31 01.96	-12 48 50.8	809	(7038)	1996 03 24.29444	14 47 50.00	-16 02 50.2	809
(3133)	1996 03 24.29444	14 31 01.49	-12 48 49.7	809					
(3133)	1996 03 27.29097	14 29 01.40	-12 44 48.9	809					
(3133)	1996 03 27.30278	14 29 00.84	-12 44 47.9	809					
(3133)	1996 03 27.31458	14 29 00.26	-12 44 46.9	809					
(3415)	1996 03 24.27083	14 44 53.18	-16 59 29.4	809					
(3415)	1996 03 24.28264	14 44 52.88	-16 59 28.8	809					
(3415)	1996 03 24.29444	14 44 52.64	-16 59 28.6	809					
(3769)	1996 03 27.29097	14 37 45.28	-11 27 45.5	809					
(3769)	1996 03 27.30278	14 37 44.76	-11 27 43.0	809					
(3769)	1996 03 27.31458	14 37 44.30	-11 27 41.6	809					
(4097)	1996 03 24.27083	14 28 05.52	-15 16 32.0	809					
(4097)	1996 03 24.28264	14 28 05.09	-15 16 31.6	809					
(4097)	1996 03 24.29444	14 28 04.65	-15 16 31.6	809					
(4097)	1996 03 27.29097	14 26 19.76	-15 13 38.2	809					

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D. di Cicco, Sky & Telescope, Cambridge, MA 02138, U.S.A.

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0.41-m Schmidt-Cassegrain + CCD

GSC

1992 PY	1997 01 11.13972	06 42 08.12	+43 10 40.1	16.4 R	817
1992 PY	1997 01 11.18273	06 42 04.02	+43 09 52.8	16.2 R	817
1993 FW ₈	1997 01 01.32432	07 36 59.58	+24 55 12.5	18.0 R	817
1993 FW ₈	1997 01 01.33156	07 36 59.02	+24 55 14.6	18.4 R	s 817
1993 FW ₈	1997 01 01.33763	07 36 58.75	+24 55 15.8	18.4 R	s 817
1993 FW ₈	1997 01 01.34818	07 36 58.27	+24 55 17.1	18.3 R	817
1995 UD ₂	1997 01 01.29109	08 54 59.53	+05 02 16.3	18.0 R	817
1995 UD ₂	1997 01 01.31028	08 54 58.76	+05 02 15.9	18.0 R	817
1995 UD ₂	1997 01 01.31949	08 54 58.36	+05 02 15.3	18.0 R	817

1996 VF ₃	1997 01 07.09625	02 23 06.52	+20 00 20.9	17.0 R	817
1996 VF ₃	1997 01 07.10236	02 23 06.82	+20 00 23.6	16.9 R	817
1996 VF ₃	1997 01 07.10771	02 23 07.07	+20 00 25.4	16.9 R	817
1996 VF ₃	1997 01 07.11816	02 23 07.60	+20 00 30.0	16.9 R	817
1996 WH ₂	1996 12 21.10790	04 08 07.72	+19 13 10.8	17.6 R	817
1996 WH ₂	1996 12 21.12545	04 08 06.93	+19 13 06.0	17.1 R	817
1996 WH ₂	1996 12 21.18307	04 08 04.45	+19 12 47.2	17.3 R	817
1996 YZ	1997 01 14.08046	07 43 40.47	+21 01 12.3	16.5 R	817
1996 YZ	1997 01 14.14204	07 43 36.35	+21 01 18.2	16.6 R	817
1996 YZ	1997 01 15.09969	07 42 34.07	+21 02 40.3	16.9 R	817
1996 YZ	1997 01 15.12645	07 42 32.27	+21 02 42.8	16.7 R	817
1997 AY ₁₀	* 1997 01 09.11422	07 22 02.22	+22 47 14.2	17.2 R	817
1997 AY ₁₀	1997 01 09.16764	07 21 59.23	+22 47 20.9	17.2 R	817
1997 AY ₁₀	1997 01 11.12546	07 20 11.83	+22 51 16.0	17.2 R	817
1997 AY ₁₀	1997 01 11.19262	07 20 08.08	+22 51 23.9	17.4 R	817
1997 AY ₁₀	1997 01 14.06861	07 17 31.39	+22 56 54.9	17.1 R	817
1997 AY ₁₀	1997 01 14.12737	07 17 28.15	+22 57 01.3	17.1 R	817
1997 AZ ₁₀	* 1997 01 09.13775	07 23 15.16	+22 37 51.7	18.3 R	817
1997 AZ ₁₀	1997 01 09.18890	07 23 11.33	+22 37 56.9	18.1 R	817
1997 AZ ₁₀	1997 01 11.13297	07 20 52.43	+22 41 06.7	17.9 R	817
1997 AZ ₁₀	1997 01 11.17799	07 20 49.11	+22 41 10.8	18.3 R	817
1997 AZ ₁₀	1997 01 14.07384	07 17 22.71	+22 45 33.3	17.9 R	817
1997 AZ ₁₀	1997 01 14.13189	07 17 18.54	+22 45 37.9	17.8 R	s 817
1997 AB ₁₅	1997 01 14.11543	07 33 42.00	+21 58 46.4		817
1997 AB ₁₅	1997 01 14.13576	07 33 39.94	+21 59 35.9		817
1997 AH ₁₆	* 1997 01 14.08490	07 43 24.80	+21 09 40.4	17.5 R	817
1997 AH ₁₆	1997 01 14.14583	07 43 20.98	+21 09 44.1	17.6 R	817
1997 AH ₁₆	1997 01 15.10392	07 42 22.03	+21 10 35.0	17.9 R	817
1997 AH ₁₆	1997 01 15.13042	07 42 20.37	+21 10 35.7	17.6 R	817
1997 AJ ₁₆	* 1997 01 14.08852	07 43 52.08	+21 24 20.5	17.1 R	817
1997 AJ ₁₆	1997 01 14.14969	07 43 47.54	+21 24 21.1	17.7 R	817
1997 AJ ₁₆	1997 01 15.10780	07 42 39.42	+21 24 12.9	17.3 R	817
1997 AJ ₁₆	1997 01 15.13431	07 42 37.52	+21 24 13.3	17.4 R	817
1997 AK ₁₆	* 1997 01 14.08852	07 43 53.05	+21 17 57.3	17.0 R	817
1997 AK ₁₆	1997 01 14.14969	07 43 49.14	+21 18 04.5	17.6 R	817
1997 AK ₁₆	1997 01 15.10780	07 42 51.00	+21 19 39.2	17.0 R	s 817
1997 AK ₁₆	1997 01 15.13431	07 42 49.29	+21 19 44.3	17.1 R	817
1997 AL ₁₆	* 1997 01 14.09942	07 43 53.68	+21 51 50.7	16.7 R	817
1997 AL ₁₆	1997 01 14.29840	07 43 39.49	+21 52 47.3	16.7 R	817
1997 AL ₁₆	1997 01 15.11252	07 42 43.73	+21 56 37.8	16.6 R	817
1997 AL ₁₆	1997 01 15.13819	07 42 41.91	+21 56 45.2	16.7 R	817
1997 AM ₁₆	* 1997 01 14.11543	07 33 29.73	+21 59 26.2	17.9 R	817
1997 AM ₁₆	1997 01 14.13576	07 33 28.66	+21 59 27.3	18.0 R	817
1997 AM ₁₆	1997 01 15.09260	07 32 39.70	+22 00 29.7	18.0 R	817
1997 AM ₁₆	1997 01 15.12190	07 32 38.22	+22 00 33.6	17.6 R	817
4087 P-L	1997 01 01.32432	07 37 22.82	+25 01 27.7	17.0 R	817
4087 P-L	1997 01 01.33156	07 37 22.36	+25 01 28.4	17.2 R	817
4087 P-L	1997 01 01.33763	07 37 21.98	+25 01 29.6	17.5 R	817
4087 P-L	1997 01 01.34818	07 37 21.32	+25 01 31.0	17.3 R	817
(5861)	1997 01 01.27597	07 05 39.43	+24 59 49.3	17.3 R	817
(5861)	1997 01 01.28157	07 05 39.02	+24 59 50.3	17.3 R	817
(5861)	1997 01 01.30531	07 05 37.23	+24 59 52.1	17.2 R	817

(7311)	1997 01 01.32432	07 37 31.96	+24 55 07.3	17.4 R	817
(7311)	1997 01 01.33156	07 37 31.58	+24 55 08.0	17.8 R	817
(7311)	1997 01 01.33763	07 37 31.18	+24 55 09.4	17.4 R	817
(7311)	1997 01 01.34818	07 37 30.63	+24 55 09.8	17.5 R	817

834 Buenos Aires-AAAA

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Observers R. Mackintosh, P. Mastrolonardo

Measurer G. D. Rodriguez

0.25-m *f*/6.8 reflector + CCD

(7)	1996 02 17.07873	04 35 26.02	+19 37 12.9		834
(7)	1996 02 27.03638	04 49 39.62	+19 49 10.8		834
(7)	1996 02 27.05077	04 49 40.94	+19 49 10.1		834
(7)	1996 02 27.07057	04 49 42.62	+19 49 11.6		834

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

GSC

1994 PC ₁	1997 01 08.10961	05 17 10.42	-44 47 03.2	15.1 R	861
1994 PC ₁	1997 01 08.16558	05 16 41.88	-44 43 46.5	15.4 R	861
1994 PC ₁	1997 01 08.20951	05 16 19.36	-44 41 06.3	15.3 R	861
(2204)	1996 12 15.11184	06 37 52.23	-23 26 54.1	13.9 R	861
(2204)	1996 12 15.21655	06 37 49.81	-23 26 40.7	14.3 R	861
(2204)	1996 12 27.16392	06 33 08.61	-22 02 06.9	14.0 R	861
(2204)	1996 12 27.19267	06 33 07.68	-22 01 46.6	14.6 R	861
(2750)	1997 01 08.27664	09 01 25.34	+26 33 02.5	15.3 R	861
(2750)	1997 01 08.28903	09 01 24.63	+26 33 07.5	15.3 R	861
(2750)	1997 01 08.30067	09 01 24.01	+26 33 11.9	15.2 R	861
(7341)	1996 11 29.00583	22 37 35.29	+16 47 57.9	15.5 R	861

867 Saji Observatory

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

1.03-m *f*/4.2 reflector + CCD

GSC

1996 PW	1996 12 29.43266	23 45 57.28	-23 10 33.4		867
1996 PW	1996 12 29.45141	23 45 58.76	-23 10 25.8		867
1996 PW	1996 12 29.45836	23 45 59.34	-23 10 21.9	19.7 V	867
1996 VE ₁	1996 12 29.53127	03 27 01.09	+09 07 15.7	18.4 V	867
1996 VE ₁	1996 12 29.53787	03 27 01.00	+09 07 17.5		867
1996 VE ₁	1996 12 29.57294	03 27 00.54	+09 07 27.2		867
1996 XA ₁₉	1996 12 15.53787	03 25 06.43	+16 44 51.8	17.9 V	867
1996 XA ₁₉	1996 12 15.57028	03 25 04.82	+16 45 05.4	17.9 V	867
1996 XA ₁₉	1996 12 15.60350	03 25 03.21	+16 45 19.3	17.7 V	867
1996 XS ₂₅	1996 12 15.58359	06 59 30.09	+21 08 53.5	18.1 V	867
1996 XS ₂₅	1996 12 15.61356	06 59 28.69	+21 09 01.8	18.2 V	867
1996 XS ₂₅	1996 12 29.55280	06 47 46.96	+22 14 07.6	17.4 V	867
1996 XS ₂₅	1996 12 29.55870	06 47 46.65	+22 14 09.3		867

1996 XS ₂₅	1996 12 29.56669	06 47 46.19	+22 14 11.8	867
1996 XV ₃₀	* 1996 12 13.70105	07 25 50.61	+19 26 13.7	867
1996 XV ₃₀	1996 12 13.71008	07 25 50.16	+19 26 17.5	867
1996 XV ₃₀	1996 12 13.71633	07 25 49.86	+19 26 20.2	18.0 V 867
1996 XV ₃₀	1996 12 15.55801	07 24 19.89	+19 40 32.3	18.4 V 867
1996 XV ₃₀	1996 12 15.61877	07 24 16.78	+19 41 01.0	18.3 V 867
1996 XV ₃₀	1997 01 05.71390	07 02 54.87	+22 32 34.2	17.5 V 867
1996 XV ₃₀	1997 01 05.76147	07 02 51.66	+22 32 56.2	17.7 V 867
1996 XL ₃₂	* 1996 12 15.55801	07 23 53.07	+19 46 00.6	867
1996 XL ₃₂	1996 12 15.59238	07 23 51.68	+19 46 05.3	19.0 V 867
1996 XL ₃₂	1996 12 15.61877	07 23 50.57	+19 46 09.0	867
1996 XL ₃₂	1996 12 20.77641	07 20 11.59	+19 57 51.4	867
1996 XL ₃₂	1996 12 20.80569	07 20 10.30	+19 57 55.1	19.3 V 867
1996 XL ₃₂	1997 01 05.69220	07 07 17.46	+20 37 41.0	17.9 V 867
1996 XL ₃₂	1997 01 05.70429	07 07 16.86	+20 37 43.4	18.2 V 867
1996 XL ₃₂	1997 01 12.62900	07 01 25.32	+20 55 24.9	18.5 V 867
1996 XL ₃₂	1997 01 12.64330	07 01 24.60	+20 55 26.8	18.4 V 867
1996 XL ₃₂	1997 01 12.67571	07 01 22.92	+20 55 32.4	18.5 V 867
1996 XM ₃₂	* 1996 12 15.56357	06 58 33.64	+21 00 02.0	18.1 V 867
1996 XM ₃₂	1996 12 15.62363	06 58 29.52	+20 59 43.7	867
1996 XM ₃₂	1996 12 20.78451	06 52 34.97	+20 33 17.0	18.2 V 867
1996 XM ₃₂	1996 12 20.81252	06 52 32.96	+20 33 08.4	867
1996 XN ₃₂	* 1996 12 15.63613	07 46 59.73	+26 57 03.8	19.2 V 867
1996 XN ₃₂	1996 12 15.66495	07 46 58.58	+26 57 15.6	867
1996 XN ₃₂	1996 12 20.61333	07 43 27.19	+27 31 18.8	867
1996 XN ₃₂	1996 12 20.79377	07 43 18.15	+27 32 34.0	867
1996 XN ₃₂	1997 01 12.64781	07 19 38.67	+29 57 47.3	867
1996 XN ₃₂	1997 01 12.67785	07 19 36.50	+29 57 57.1	18.6 V 867
1996 XN ₃₂	1997 01 12.69874	07 19 35.04	+29 58 03.3	867
1996 XO ₃₂	* 1996 12 15.65975	07 59 40.67	+26 59 40.9	18.8 V 867
1996 XO ₃₂	1996 12 15.68336	07 59 39.25	+26 59 26.7	867
1996 XO ₃₂	1996 12 15.70627	07 59 37.84	+26 59 12.6	867
1996 XO ₃₂	1996 12 20.62178	07 54 25.37	+26 07 13.8	867
1996 XO ₃₂	1996 12 20.78926	07 54 12.97	+26 05 24.5	867
1996 XO ₃₂	1997 01 12.65163	07 20 30.40	+21 22 29.9	867
1996 XO ₃₂	1997 01 12.68034	07 20 27.57	+21 22 06.6	17.6 V 867
1996 XO ₃₂	1997 01 12.70117	07 20 25.55	+21 21 49.8	867
1997 AQ ₁₆	* 1997 01 05.71946	07 02 29.57	+22 36 01.0	867
1997 AQ ₁₆	1997 01 05.76529	07 02 26.09	+22 36 06.1	17.1 V 867
1997 AQ ₁₆	1997 01 12.61795	06 54 12.44	+22 48 56.9	867
1997 AQ ₁₆	1997 01 12.63826	06 54 10.98	+22 48 59.2	17.2 V 867

886 Susono

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

0.25-m $f/6.3$ reflector + CCD

GSC

1975 AN	1997 01 02.54362	07 50 03.79	+12 18 35.1	15.0 V 886
1975 AN	1997 01 02.55185	07 50 03.05	+12 18 29.6	886
1975 AN	1997 01 03.51454	07 48 38.30	+12 07 20.9	886
1975 AN	1997 01 03.52235	07 48 37.57	+12 07 16.0	886
1977 QL ₁	1996 12 07.61177	05 57 39.31	+30 58 46.3	16.5 V 886
1977 QL ₁	1996 12 07.62130	05 57 38.74	+30 58 47.4	886
1977 QL ₁	1996 12 08.55543	05 56 41.83	+30 59 01.4	16.5 V 886

1977 QL ₁	1996 12 08.56469	05 56 41.18	+30 59 01.8	886
1988 TN	1996 12 08.58363	05 44 01.66	+31 54 27.1	17.0 V 886
1988 TN	1996 12 08.59255	05 44 01.06	+31 54 26.1	886
1988 TN	1996 12 28.60849	05 20 46.11	+31 48 50.5	886
1988 TN	1996 12 28.61873	05 20 45.37	+31 48 48.8	886
1989 UU ₃	1996 12 08.53488	05 53 11.26	+17 02 02.5	16.0 V 886
1989 UU ₃	1996 12 08.54606	05 53 10.54	+17 02 00.8	886
1989 UU ₃	1996 12 28.57061	05 32 01.39	+16 48 21.3	886
1989 UU ₃	1996 12 28.57867	05 32 00.89	+16 48 21.7	886
1990 QY ₈	1996 12 07.61640	06 10 26.79	+19 30 25.0	16.0 V 886
1990 QY ₈	1996 12 07.62589	06 10 26.22	+19 30 25.0	886
1990 QY ₈	1996 12 28.56645	05 51 16.79	+19 57 38.6	886
1990 QY ₈	1996 12 28.57457	05 51 16.24	+19 57 40.0	886
1992 AF	1996 12 08.54160	05 55 01.33	+15 49 04.6	16.0 V 886
1992 AF	1996 12 08.55059	05 55 00.80	+15 49 02.8	886
1992 AF	1996 12 28.59104	05 37 09.45	+14 38 33.4	886
1992 AF	1996 12 28.60002	05 37 08.97	+14 38 32.0	886
1992 PT ₂	1996 12 07.59239	05 42 57.81	+20 36 30.9	16.0 V 886
1992 PT ₂	1996 12 07.60219	05 42 57.25	+20 36 28.6	886
1992 PT ₂	1996 12 28.54994	05 20 13.92	+19 37 26.4	886
1992 PT ₂	1996 12 28.55834	05 20 13.42	+19 37 25.6	886
1993 FT ₄₁	1996 12 30.57190	07 19 02.26	+24 44 06.1	16.5 V 886
1993 FT ₄₁	1996 12 30.58014	07 19 01.75	+24 44 06.8	886
1993 FT ₄₁	1996 12 31.55211	07 18 05.98	+24 45 51.7	886
1993 FT ₄₁	1996 12 31.55993	07 18 05.51	+24 45 51.8	886
1994 ER	1996 12 31.54775	06 57 27.24	+19 51 27.6	16.5 V 886
1994 ER	1996 12 31.55601	06 57 26.70	+19 51 30.6	886
1994 ER	1997 01 03.51037	06 54 13.97	+20 10 10.8	886
1994 ER	1997 01 03.51840	06 54 13.38	+20 10 13.8	886
2181 T-2	1996 12 31.60788	07 17 38.86	+17 31 02.1	17.0 V 886
2181 T-2	1996 12 31.61594	07 17 38.34	+17 31 04.2	886
2181 T-2	1997 01 02.52715	07 15 48.87	+17 34 16.4	886
2181 T-2	1997 01 02.53524	07 15 48.37	+17 34 18.1	886
2249 T-2	1996 12 07.59756	05 43 55.45	+20 46 41.0	16.0 V 886
2249 T-2	1996 12 07.60668	05 43 54.98	+20 46 40.5	886
2249 T-2	1996 12 28.55433	05 25 31.69	+20 35 30.8	886
2249 T-2	1996 12 28.56231	05 25 31.37	+20 35 30.3	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 VR ₄	1996 12 03.60388	04 37 13.98	+25 13 12.8	16.0 894
1996 VR ₄	1996 12 03.61701	04 37 12.99	+25 13 15.4	894
1996 VR ₄	1996 12 07.64861	04 32 45.16	+25 27 16.2	894
1996 VR ₄	1996 12 07.66250	04 32 44.14	+25 27 20.2	894
1996 XA ₃₃	* 1996 12 03.57743	04 31 48.28	+22 21 41.3	16.5 894
1996 XA ₃₃	1996 12 03.59063	04 31 47.26	+22 21 40.7	894
1996 XA ₃₃	1996 12 07.62135	04 27 14.54	+22 18 54.1	894
1996 XA ₃₃	1996 12 07.63438	04 27 13.72	+22 18 53.1	894
1996 XB ₃₃	* 1996 12 06.62500	04 26 58.16	+18 59 22.9	16.0 894
1996 XB ₃₃	1996 12 06.63756	04 26 57.26	+18 59 26.0	894

1996 XB ₃₃	1996 12 07.60799	04 25 51.94	+19 02 44.4		894
4314 T-2	1996 12 06.62500	04 28 04.43	+18 46 06.2	16.5	894
4314 T-2	1996 12 06.63756	04 28 03.54	+18 46 05.8		894
4314 T-2	1996 12 07.60799	04 27 04.73	+18 46 37.9		894
(2487)	1996 12 03.60388	04 26 34.35	+27 08 23.4	15.5	894
(2487)	1996 12 03.61701	04 26 33.55	+27 08 21.5		894
(2487)	1996 12 07.64861	04 22 11.90	+26 57 29.8		894
(2487)	1996 12 07.66250	04 22 11.13	+26 57 27.2		894

897 YGCO Chiyoda Station

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

[kojitaku@scorpius.bekkoame.or.jp]

0.25-m $f/6.0$ reflector + CCD

GSC

1996 TE ₁₁	1996 11 13.66862	04 07 01.60	-37 25 39.4		897
1996 TE ₁₁	1996 11 13.67420	04 07 01.63	-37 25 48.9	16.7 R	897
1996 TE ₁₁	1996 11 13.67663	04 07 01.69	-37 25 50.9		897
1997 AW ₁₇	1997 01 13.67892	09 33 29.45	+17 28 42.3	18.3 R	897
1997 AW ₁₇	1997 01 13.69300	09 33 28.95	+17 28 45.8		897
(3995)	1996 11 15.58574	23 32 33.90	-16 18 57.3		897
(3995)	1996 11 15.59962	23 32 34.27	-16 18 52.7		897

900 Moriyama

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

0.25-m $f/6.3$ reflector + CCD

GSC

1992 US ₄	1996 12 18.60356	07 35 37.96	+21 40 07.8	15.4 V	900
1992 US ₄	1996 12 18.61286	07 35 37.49	+21 40 08.2	15.4 V	900
1994 PC ₁	1997 01 13.53526	04 20 32.63	-35 54 26.3		900
1994 PC ₁	1997 01 13.54474	04 20 24.72	-35 52 54.7		900
1995 TG	1996 12 18.69567	08 25 21.79	+32 28 44.7	17.0 V	900
1995 TG	1996 12 30.64335	08 17 06.78	+33 41 45.1	17.2 V	900
1995 TG	1996 12 30.66223	08 17 05.74	+33 41 51.7	17.3 V	900
1996 TY ₇	1996 12 08.56641	01 32 16.18	+11 01 40.9		900
1996 VV	1996 12 08.48419	01 52 41.67	+10 19 56.6		900
1996 VB ₅	1996 12 30.42294	01 55 43.61	+12 32 58.4	16.5 V	900
1996 VB ₅	1996 12 30.44296	01 55 44.25	+12 33 05.0	16.5 V	900
1997 AR ₁₆	1997 01 17.72905	12 17 00.48	+06 30 09.3		900
1997 AR ₁₆	1997 01 17.74295	12 17 00.70	+06 30 05.2	16.5 V	900
(972)	1996 12 27.49028	06 46 22.88	+23 40 29.6	12.7 V	900
(972)	1996 12 27.49484	06 46 22.62	+23 40 29.2		900
(972)	1996 12 27.50229	06 46 22.15	+23 40 28.4		900
(972)	1996 12 27.50684	06 46 21.90	+23 40 28.2		900
(1467)	1997 01 07.65921	07 13 06.54	+42 51 50.3		900
(1467)	1997 01 07.73510	07 13 01.53	+42 51 42.2		900
(1467)	1997 01 07.74669	07 13 00.77	+42 51 40.9		900

901 Tajimi

T. Furuta, 17-2 Mitsuike, Kagiya-Cho, Tokai, Aichi-Ken 477, Japan

Observer T. Mizuno

Measurer T. Furuta

0.30-m $f/3.4$ hyperboloid astro-camera

GSC

1992 YM ₅	1992 12 18.62674	06 07 54.9	+22 42 23	16.5	901
1992 YM ₅	1992 12 18.64479	06 07 53.4	+22 42 29		901
1997 AT ₁	1997 01 04.54549	07 21 56.26	+25 30 01.6	16.0	901
1997 AT ₁	1997 01 04.55625	07 21 55.67	+25 29 58.3		901
1997 AT ₁	1997 01 07.58229	07 18 55.60	+25 22 41.9		901
1997 AT ₁	1997 01 07.60833	07 18 54.10	+25 22 39.1		901

905 Nachi-Katsuura Observatory

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

Observer Y. Shimizu

Measurer T. Urata

0.40-m $f/3.3$ Baker-Schmidt

GSC

1974 WB	1996 12 08.54410	05 13 18.84	+24 11 31.1	17	905
1974 WB	1996 12 09.55816	05 12 17.17	+24 02 29.4	17	905
1974 WB	1996 12 09.57182	05 12 16.25	+24 02 22.1		905
1992 WO ₅	1997 01 13.53380	08 55 37.03	+20 26 34.3	17.5	905
1992 WO ₅	1997 01 13.55197	08 55 36.01	+20 26 42.3		905
1992 WO ₅	1997 01 16.61279	08 52 42.83	+20 45 22.8	17.5	905
1992 WO ₅	1997 01 16.62153	08 52 42.20	+20 45 25.2		905
1992 YU ₂	1996 12 03.50938	04 56 12.10	+19 02 22.3	16	905
1992 YU ₂	1996 12 03.52575	04 56 11.20	+19 02 17.5		905
1994 BN ₄	1996 12 12.57263	05 08 56.99	+22 04 52.4	17.5	905
1994 BN ₄	1996 12 12.58090	05 08 56.43	+22 04 49.4		905
1994 BN ₄	1996 12 12.58889	05 08 55.61	+22 04 47.6		905
1994 BN ₄	1996 12 15.57645	05 05 31.62	+21 52 47.2	17.5	905
1994 BN ₄	1996 12 15.59323	05 05 30.42	+21 52 43.3		905
1994 EJ ₇	1997 01 02.52315	07 11 28.97	+25 06 44.0	16.5	905
1994 EJ ₇	1997 01 02.55093	07 11 26.97	+25 06 52.9		905
1994 EJ ₇	1997 01 03.51435	07 10 18.94	+25 12 01.7	17	905
1994 EJ ₇	1997 01 03.52581	07 10 18.14	+25 12 05.0		905
1995 PV	1997 01 11.57957	07 34 13.82	+31 36 52.4	18	905
1995 PV	1997 01 11.58796	07 34 13.10	+31 36 52.5		905
1996 VP ₁	1996 12 14.63050	03 54 25.69	+27 41 37.7	17	905
1996 VP ₁	1996 12 14.63750	03 54 25.44	+27 41 34.3		905
1996 VA ₆	1996 12 06.55313	05 12 28.42	+19 25 05.4	16.5	905
1996 VA ₆	1996 12 06.56921	05 12 27.10	+19 25 13.0		905
1996 VA ₆	1996 12 14.69861	05 03 09.66	+20 21 54.9	17.5	905
1996 VA ₆	1996 12 14.71262	05 03 08.63	+20 22 00.1		905
1996 VE ₆	1996 12 12.50932	05 13 54.11	+18 22 08.0	17	905
1996 VE ₆	1996 12 12.52899	05 13 52.82	+18 22 07.2		905
1996 VE ₆	1996 12 14.57859	05 11 40.55	+18 19 29.1	16.5	905
1996 VE ₆	1996 12 14.58883	05 11 39.84	+18 19 28.1		905
1996 VP ₇	1996 12 14.66036	04 08 58.81	+18 39 19.6	17.5	905
1996 VP ₇	1996 12 14.66736	04 08 58.51	+18 39 18.9		905
1996 VU ₇	1996 12 02.51071	04 22 31.80	+21 39 08.7	17	905
1996 VU ₇	1996 12 02.52697	04 22 30.67	+21 39 09.6		905
1996 XT ₃₀	* 1996 12 06.55313	05 14 08.64	+21 46 18.5	18	905
1996 XT ₃₀	1996 12 06.56921	05 14 07.73	+21 46 20.2		905
1996 XT ₃₀	1996 12 15.57645	05 05 45.82	+22 11 30.8	18	905
1996 XT ₃₀	1996 12 15.58484	05 05 45.25	+22 11 33.1		905
1996 XT ₃₀	1996 12 15.59323	05 05 44.85	+22 11 32.2		905
1996 XU ₃₀	* 1996 12 12.48368	05 04 52.03	+18 04 29.5	17.5	905

1996 XU ₃₀	1996 12 12.50058	05 04 50.93	+18 04 23.1		905
1996 XU ₃₀	1996 12 14.54184	05 02 41.61	+17 50 08.5	17	905
1996 XU ₃₀	1996 12 14.55799	05 02 40.46	+17 50 01.7		905
1996 XH ₃₁	1997 01 09.53038	07 29 33.42	+20 52 44.0	17	905
1996 XH ₃₁	1997 01 09.54821	07 29 32.37	+20 52 45.2		905
1996 XH ₃₁	1997 01 10.55110	07 28 26.24	+20 54 04.8	17.5	905
1996 XH ₃₁	1997 01 10.56001	07 28 25.63	+20 54 05.9		905
1996 XJ ₃₁	1997 01 09.53038	07 26 52.23	+22 31 35.9	17	905
1996 XJ ₃₁	1997 01 09.54821	07 26 51.17	+22 31 43.8		905
1996 XJ ₃₁	1997 01 10.55110	07 25 52.47	+22 38 00.0	17.5	905
1996 XJ ₃₁	1997 01 10.56001	07 25 52.03	+22 38 02.8		905
1996 YC	1997 01 09.48252	07 21 06.95	+20 50 06.2	17	905
1996 YC	1997 01 09.50046	07 21 05.33	+20 49 50.1		905
1996 YC	1997 01 10.50353	07 19 37.10	+20 35 35.1	17	905
1996 YC	1997 01 10.51267	07 19 36.25	+20 35 27.5		905
1996 YJ ₂	1997 01 13.56233	09 05 25.88	+19 55 06.1	16.5	905
1996 YJ ₂	1997 01 13.58021	09 05 25.18	+19 55 17.0		905
1996 YJ ₂	1997 01 16.63970	09 03 17.70	+20 24 50.3	17.5	905
1996 YJ ₂	1997 01 16.64844	09 03 17.21	+20 24 54.5		905
1997 AD	1997 01 07.52853	07 48 57.47	+22 13 26.7	17	905
1997 AD	1997 01 07.54531	07 48 56.32	+22 13 23.5		905
1997 AD	1997 01 08.54919	07 47 47.03	+22 09 54.1	17	905
1997 AD	1997 01 08.55741	07 47 46.44	+22 09 54.0		905
1997 AT ₁	* 1997 01 02.55961	07 23 53.17	+25 34 32.5	16.5	905
1997 AT ₁	1997 01 02.57622	07 23 52.17	+25 34 30.1		905
1997 AT ₁	1997 01 03.53507	07 22 55.97	+25 32 19.8	16.5	905
1997 AT ₁	1997 01 03.55289	07 22 54.85	+25 32 17.2		905
1997 AP ₁₂	* 1997 01 07.52853	07 45 15.99	+21 25 03.0	17	905
1997 AP ₁₂	1997 01 07.54531	07 45 14.96	+21 25 02.1		905
1997 AP ₁₂	1997 01 08.54068	07 44 12.35	+21 22 52.5	17	905
1997 AP ₁₂	1997 01 08.54919	07 44 11.70	+21 22 49.3		905
1997 AC ₁₃	* 1997 01 09.53038	07 28 53.38	+22 17 18.0	17	905
1997 AC ₁₃	1997 01 09.54821	07 28 52.20	+22 17 18.8		905
1997 AC ₁₃	1997 01 10.55110	07 27 43.07	+22 17 30.4	17.5	905
1997 AC ₁₃	1997 01 10.56001	07 27 42.54	+22 17 29.6		905
1997 AM ₂₁	* 1997 01 13.53380	08 56 35.93	+20 13 24.0	18	905
1997 AM ₂₁	1997 01 13.55197	08 56 35.08	+20 13 35.1		905
1997 AM ₂₁	1997 01 16.60411	08 54 12.45	+20 38 38.5	17.5	905
1997 AM ₂₁	1997 01 16.61279	08 54 11.97	+20 38 43.8		905
1997 AN ₂₁	* 1997 01 13.53380	08 58 50.70	+20 22 31.2	17.5	905
1997 AN ₂₁	1997 01 13.55197	08 58 49.62	+20 22 30.2		905
1997 AN ₂₁	1997 01 16.61279	08 55 30.92	+20 16 23.2	17.5	905
1997 AN ₂₁	1997 01 16.62153	08 55 30.40	+20 16 23.2		905
1997 AO ₂₁	* 1997 01 13.56233	09 07 07.55	+21 34 38.5	18	905
1997 AO ₂₁	1997 01 13.58021	09 07 06.76	+21 34 45.1		905
1997 AO ₂₁	1997 01 16.63970	09 04 39.10	+21 52 43.3	17.5	905
1997 AO ₂₁	1997 01 16.64844	09 04 38.59	+21 52 46.9		905
1997 AP ₂₁	* 1997 01 13.56233	09 07 09.18	+20 11 57.0	17.5	905
1997 AP ₂₁	1997 01 13.58021	09 07 08.26	+20 12 03.4		905
1997 AP ₂₁	1997 01 16.63102	09 04 22.98	+20 27 42.1	18	905
1997 AP ₂₁	1997 01 16.63970	09 04 22.46	+20 27 43.9		905
1997 AQ ₂₁	* 1997 01 13.56233	09 11 07.65	+21 06 00.8	16.5	905

1997 AQ ₂₁	1997 01 13.58021	09 11 06.75	+21 06 09.6		905
1997 AQ ₂₁	1997 01 16.63102	09 08 44.07	+21 32 38.9	16.5	905
1997 AQ ₂₁	1997 01 16.63970	09 08 43.63	+21 32 42.6		905

954 Teide Observatory

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Tenerife, Canary Islands, Spain [rcr@ll.iac.es]

Observer A. Oscoz

Measurer R. Casas

0.8-m *f*/11.3 Cassegrain + CCD

GSC

(704)	1996 12 13.92000	03 26 02.27	+34 11 31.1	10.3 V	954
(704)	1996 12 13.92453	03 26 02.10	+34 11 28.4	10.2 R	954

962 Gandia

J. J. Gomez D., Cardenal Cisneros 55-4-8, E-46700 Gandia, Spain
[astrosafor@jet.es]

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

GSC

(753)	1996 11 29.99573	04 23 27.83	+23 22 06.6		962
(753)	1996 11 30.01907	04 23 26.06	+23 22 07.3		962
(928)	1996 11 29.98270	03 52 12.88	-04 23 06.6		962
(928)	1996 11 30.01116	03 52 11.47	-04 23 05.2		962
(928)	1996 12 14.93979	03 41 10.49	-03 51 08.8		962
(928)	1996 12 14.94271	03 41 10.37	-03 51 08.2		962
(928)	1996 12 14.98788	03 41 08.57	-03 50 58.3		962
(928)	1996 12 14.99146	03 41 08.45	-03 50 57.5		962
(2204)	1996 12 15.01288	06 37 53.81	-23 27 16.8		962
(2204)	1996 12 15.04889	06 37 53.01	-23 27 12.6		962
(2204)	1996 12 15.08134	06 37 52.30	-23 27 08.5		962
(3908)	1996 12 14.96914	04 58 59.73	+22 39 41.6		962
(3908)	1996 12 14.97348	04 58 59.97	+22 39 39.3		962
(3908)	1996 12 14.99710	04 59 00.99	+22 39 26.1		962
(3908)	1996 12 14.99978	04 59 01.08	+22 39 24.7		962
(3908)	1996 12 15.03166	04 59 02.50	+22 39 06.2		962
(3908)	1996 12 15.03801	04 59 02.78	+22 39 02.6		962
(4179)	1996 12 15.10063	09 30 17.32	+11 13 08.2		962
(4179)	1996 12 15.10715	09 30 15.13	+11 13 24.1		962
(4179)	1996 12 15.11390	09 30 12.88	+11 13 40.9		962
(4179)	1996 12 15.12060	09 30 10.61	+11 13 57.3		962
(4179)	1996 12 15.12773	09 30 08.19	+11 14 15.0		962
(4179)	1996 12 15.13425	09 30 06.00	+11 14 30.9		962
(4179)	1996 12 15.14083	09 30 03.78	+11 14 47.1		962
(4179)	1996 12 15.14581	09 30 02.11	+11 14 59.3		962
(4179)	1996 12 15.15258	09 29 59.84	+11 15 15.8		962
(4179)	1996 12 15.15581	09 29 58.76	+11 15 23.7		962

966 Church Stretton

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England [100336.3635@compuserve.com]

0.25-m Schmidt Cassegrain + focal reducer + CCD

GSC

1996 TP ₃	1996 12 13.85507	23 25 48.29	+16 02 32.9	18.4 V	966
1996 TP ₃	1996 12 13.87938	23 25 49.96	+16 02 52.7		966
1996 VW ₂	1996 12 13.92375	02 46 34.26	+21 58 35.7	16.5 V	966
1996 VW ₂	1996 12 13.94867	02 46 33.59	+21 58 33.4		966
1996 VP ₆	1996 12 13.91810	01 28 30.31	+17 30 44.0	16.5 V	966
1996 VP ₆	1996 12 13.94324	01 28 30.99	+17 30 43.0		966
1997 AR ₁₈	* 1997 01 13.94736	09 17 40.11	+22 49 16.3	16.7 V	966
1997 AR ₁₈	1997 01 13.96278	09 17 39.19	+22 49 19.9		966
1997 AR ₁₈	1997 01 14.00697	09 17 36.73	+22 49 26.2		966
1997 AR ₁₈	1997 01 15.06234	09 16 36.75	+22 52 11.1	16.9 V	966
1997 AR ₁₈	1997 01 15.09704	09 16 34.73	+22 52 16.8		966
1997 AS ₁₈	* 1997 01 13.99241	08 58 07.47	+19 20 33.4	17.0 V	966
1997 AS ₁₈	1997 01 14.01734	08 58 06.05	+19 20 35.6		966
1997 AS ₁₈	1997 01 14.04141	08 58 04.59	+19 20 39.3		966
1997 AS ₁₈	1997 01 14.93723	08 57 11.81	+19 22 26.6	17.5 V	966
1997 AS ₁₈	1997 01 14.96191	08 57 10.40	+19 22 29.4		966
(4179)	1996 12 14.09483	09 35 40.75	+10 29 32.7	11.7 V	966
(4179)	1996 12 14.09839	09 35 39.44	+10 29 43.2		966
(4179)	1996 12 14.10104	09 35 38.46	+10 29 50.5		966
(5433)	1996 12 13.91810	01 28 24.79	+17 36 41.6	14.8 V	966
(5433)	1996 12 13.94324	01 28 25.57	+17 36 34.4		966

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P/1996 A1 (Jedicke)

Epoch 1995 Aug. 31.0 TT = JDT 2449960.5

<i>T</i>	1995 Aug. 15.93139 TT		Nakano	
<i>q</i>	4.0553612	(2000.0)	P	Q
<i>n</i>	0.05104664	ω 224.13312	−0.39204994	−0.91360726
<i>a</i>	7.1971064	Ω 249.21964	+0.87274544	−0.33232502
<i>e</i>	0.4365289	<i>i</i> 6.62033	+0.29088184	−0.23426875
<i>P</i>	19.31			

From 281 observations 1996 Jan. 14–1997 Jan. 19, mean residual 0".57.

C/1997 A1 (NEAT)

<i>T</i>	1997 June 20.07701 TT		Marsden	
<i>q</i>	3.1546029	(2000.0)	P	Q
	ω 40.13515		−0.17912334	+0.89905026
	Ω 135.76345		+0.68984651	−0.17476186
<i>e</i>	1.0	<i>i</i> 145.06120	+0.70144610	+0.40145601

From 93 observations 1997 Jan. 9–18.

91P/Russell 3

Epoch 1997 Nov. 8.0 TT = JDT 2450760.5

<i>T</i>	1997 Nov. 19.20684 TT		Nakano	
<i>q</i>	2.5101018	(2000.0)	P	Q
<i>n</i>	0.13165531	ω 353.42704	−0.46474536	+0.85588837
<i>a</i>	3.8268709	Ω 248.67127	−0.80088734	−0.51559866
<i>e</i>	0.3440851	<i>i</i> 14.09578	−0.37761253	+0.04016364
<i>P</i>	7.49			

From 49 observations 1983–1996, mean residual 0".72. Nongravitational parameters

$$A_1 = +5.76 \pm 2.36, A_2 = +0.4703 \pm 0.0562.$$

94P/Russell 4

Epoch 1997 Feb. 1.0 TT = JDT 2450480.5

<i>T</i>	1997 Feb. 3.49812 TT		Nakano	
<i>q</i>	2.2292856	(2000.0)	P	Q
<i>n</i>	0.14980221	ω 93.26999	−0.95690561	−0.27193325
<i>a</i>	3.5112134	Ω 70.96938	+0.20465743	−0.88044396
<i>e</i>	0.3650954	<i>i</i> 6.18812	+0.20602668	−0.38842083
<i>P</i>	6.58			

From 80 observations 1984–1997, mean residual 0".74.

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
1982 SC	14.0	820819	0.40	353.32	348.79	10.00	0.2454	2.6423	35	15		W
1985 JG	14.0	850515	339.14	195.63	70.51	12.41	0.2458	2.4135	11	10		W
1985 PH	13.5	850823	328.64	67.36	316.89	12.49	0.2792	2.7523	38	9		W
1988 GQ	13.0	880320	333.18	103.76	121.76	11.69	0.2411	2.6121	27	8		W
1988 PW	14.5	880827	7.35	221.08	94.86	2.89	0.3660	2.3473	34	6		W
1988 PX	16.5	880827	4.94	308.27	13.84	5.40	0.3434	2.2007	56	7		W
1988 QF	15.0	880827	321.05	228.15	156.89	25.04	0.0991	2.0082	29	6		W
1988 RH ₄	14.5	880827	18.95	304.11	355.37	6.97	0.2517	2.4230	16	22		W
1988 RY ₄	15.5	880827	349.58	4.77	348.64	9.87	0.3512	2.7824	12	22		W
1988 RZ ₄	11.5	880827	287.84	289.27	128.54	13.68	0.1406	3.2256	13	20		W
1988 RB ₅	14.0	880827	311.75	277.38	114.33	7.24	0.1064	2.2869	26	12		W
1988 RC ₅	14.0	880827	350.57	295.75	49.25	5.79	0.1215	2.4206	12	19		W
1988 RE ₅	14.0	880827	24.87	175.15	122.22	3.50	0.1915	2.4283	29	20		W
1988 RN ₅	14.0	880827	347.18	110.00	247.66	2.31	0.1600	2.7285	14	15		W
1988 RY ₅	13.0	880827	328.65	190.00	187.51	1.83	0.1705	2.8792	13	23		W
1988 RZ ₅	14.0	880916	3.77	165.14	170.94	3.37	0.1125	2.3626	63	25		W
1988 RA ₆	15.0	880827	342.62	25.74	336.02	6.08	0.2267	2.1966	31	25		W
1988 RC ₆	12.0	880827	310.26	266.99	125.81	12.44	0.1366	3.1401	10	17		W
1988 RF ₆	15.5	880827	353.22	229.02	119.32	2.49	0.1808	2.3979	6	11		W
1988 RG ₉	14.5	880827	321.25	259.96	121.57	3.11	0.1197	2.2292	27	19		W
1988 RX ₁₀	14.5	881006	2.11	320.89	24.08	2.54	0.1308	3.2409	55	11		W
1989 RP ₁	13.0	890911	23.12	154.57	162.87	12.96	0.2340	2.6510	36	21		W
1989 RT ₁	15.5	890911	3.74	350.04	358.05	13.30	0.2929	2.3830	32	17		W
1989 RN ₂	13.0	890911	36.55	312.77	350.47	11.15	0.2167	3.1634	29	16		W
1989 SC	14.5	890911	41.07	297.50	355.08	6.91	0.2341	2.2204	27	15		W
1989 SY ₂	13.0	891001	107.81	131.17	127.58	5.89	0.1144	3.1958	41	25		W

1989 SP ₃	15.0	891001	283.93	298.59	192.51	22.19	0.3191	2.3691	41	19	W	1996 GD ₂₀	15.0	960318	306.87	75.91	189.91	4.71	0.1050	2.1822	24	12	M
1989 SO ₅	16.0	890911	316.56	135.12	278.93	1.81	0.1520	2.3071	6	10	E W	1996 GF ₂₀	15.0	960318	31.77	313.88	208.11	3.33	0.1319	2.2997	24	12	M
1989 SW ₈	13.5	890911	349.09	189.90	183.29	13.40	0.1881	2.6768	36	16	W	1996 GL ₂₀	15.0	960318	18.58	145.46	35.01	5.05	0.0984	2.2763	24	12	M
1989 SH ₁₂	13.0	890911	225.67	182.72	312.22	1.31	0.0031	2.8319	5	11	E W	1996 GO ₂₀	13.5	960318	77.77	275.63	197.84	2.79	0.1448	2.6571	24	12	M
1989 SJ ₁₂	13.0	890911	313.52	69.44	2.24	18.23	0.2464	3.1474	5	11	E W	1996 GU ₂₀	15.5	960407	304.55	238.08	43.57	5.28	0.1407	2.5787	21	9	M
1989 TN ₂	16.0	891021	354.51	224.10	175.40	8.07	0.2954	2.3066	59	11	W	1996 HT ₂	14.0	960318	289.74	85.99	199.13	13.11	0.0969	2.4255	26	12	M
1989 TX ₁₁	11.0	891001	330.59	299.82	110.29	12.87	0.0694	5.2285	35	5	W	1996 HF ₈	14.0	960318	6.33	163.57	36.16	9.77	0.1001	2.7977	25	12	M
1989 TZ ₁₁	15.5	891001	10.16	279.56	69.77	8.44	0.3619	2.3540	63	7	D W	1996 JF ₁	14.0	960407	48.05	295.37	213.29	3.57	0.1461	2.5397	53	12	M
1989 TF ₁₄	13.0	890911	79.19	195.99	72.07	3.37	0.0793	2.5747	32	11	W	1996 JS ₅	13.0	960407	294.17	121.78	169.00	3.76	0.1012	3.1492	52	12	M
1989 WU	14.0	891130	350.40	174.29	270.51	4.96	0.1548	2.2333	40	20	W	1996 TE	14.5	961024	6.61	312.62	55.58	2.89	0.0896	2.8273	59	33	W
1989 WZ ₁	13.5	891130	13.63	352.95	58.00	3.27	0.1927	2.3832	33	14	W	1996 TQ	15.5	961024	317.88	357.08	86.93	3.07	0.1795	2.3458	63	14	W
1990 FK ₁	11.5	900330	323.12	68.19	175.55	11.54	0.1576	3.1799	24	10	W	1996 TR	15.0	961024	4.24	205.45	175.20	7.02	0.1279	2.3576	62	14	W
1990 HJ	14.5	900330	27.52	107.82	50.22	3.94	0.1496	2.4019	23	7	W	1996 TP ₃	15.5	961024	343.93	40.77	358.15	23.81	0.2371	2.3663	70	17	W
1991 FJ ₂	14.0	910325	352.39	356.64	186.90	2.98	0.0934	2.2426	37	15	W	1996 TF ₅	16.0	961024	341.77	211.22	195.24	4.12	0.1411	2.2846	65	28	W
1991 FM₂	15.0	910305	18.76	311.26	172.31	21.86	0.4001	3.0524	65	15	W	1996 TX ₇	15.0	961024	93.67	128.27	147.85	4.16	0.1408	2.2451	62	11	W
1991 FQ ₂	14.0	910305	323.12	216.39	1.33	4.48	0.1342	2.7086	13	11	W	1996 TC ₁₃	16.0	961024	6.98	226.96	152.69	4.77	0.2141	2.6532	53	10	W
1991 RL ₇	14.5	910921	46.13	119.94	214.14	11.57	0.0360	2.3933	27	8	W	1996 TG ₁₅	14.5	961024	351.91	332.67	65.79	3.29	0.1992	2.3671	64	14	W
1991 RA ₁₇	14.5	910921	15.18	303.28	35.69	7.23	0.1612	2.3002	31	18	W	1996 TK ₄₈	13.5	961024	36.35	187.34	145.05	2.55	0.2242	2.5772	64	11	W
1991 UN	14.5	911011	342.52	43.52	11.05	2.99	0.2439	2.6012	24	9	W	1996 TK ₅₄	14.0	961024	20.75	325.00	40.13	12.73	0.1914	2.6039	57	9	W
1991 UR	13.5	911011	35.60	330.60	10.80	6.96	0.1280	2.3211	22	10	W	1996 TW ₅₉	13.5	960914	339.77	44.48	339.74	11.50	0.1092	2.7720	24	10	D W
1992 AT ₃	14.0	920119	70.42	161.28	242.13	0.98	0.0595	2.8975	29	6	W	1996 TV ₆₀	15.5	961004	358.19	261.22	64.05	1.03	0.1048	2.7309	3	9	E W
1992 BJ	14.5	920119	16.14	333.87	124.71	2.87	0.1368	2.3577	24	11	W	1996 TX ₆₄	14.0	960914	188.95	180.08	352.12	16.96	0.1723	2.5352	25	12	W
1993 QV ₁	14.5	930821	335.36	164.45	204.72	1.80	0.0972	2.6926	38	11	W	1996 TY ₆₄	16.0	961004	300.95	167.09	289.19	0.22	0.1364	2.5302	47	12	W
1993 QW ₃	15.0	930821	341.76	25.32	341.65	7.32	0.1751	2.5713	33	15	W	1996 TP ₆₅	14.5	961004	295.24	244.05	208.36	10.18	0.2311	2.8923	2	9	E W
1993 VB ₈	14.5	931129	13.63	333.50	104.26	7.05	0.0700	2.3096	67	8	W	1996 UU ₁	13.5	961113	296.23	90.88	10.62	4.96	0.1388	3.1672	60	20	M
1994 AT	15.5	940108	25.27	341.88	91.16	1.28	0.1554	2.1821	28	14	W	1996 UA ₃	16.0	961113	46.02	275.34	66.54	8.23	0.1435	2.3263	67	43	M
1994 JA	16.0	940418	358.76	166.40	52.67	6.71	0.3103	2.3725	9	10	W	1996 US ₃	15.7	961203	353.45	23.89	30.86	4.16	0.2095	2.6975	62	34	N
1994 JH ₂	15.0	940418	290.40	272.09	50.99	17.95	0.2674	2.5495	10	11	W	1996 VJ	12.5	961203	357.97	355.65	51.36	11.08	0.1033	3.1799	67	17	N
1994 JG ₄	14.5	940508	87.80	267.95	216.09	3.09	0.1310	2.4368	36	10	W	1996 VK	13.6	961203	352.66	356.15	59.13	7.38	0.0613	2.6844	67	16	N
1994 JM ₆	14.5	940508	243.99	287.33	59.03	5.97	0.0236	2.7210	7	11	E W	1996 VQ	12.5	961203	304.96	83.66	34.01	13.54	0.1324	2.9791	69	30	M
1994 VH ₂	13.5	941104	314.27	59.50	49.34	15.87	0.0592	2.5900	25	10	W	1996 VS	13.0	961203	129.52	58.97	193.93	9.54	0.0770	3.2070	73	23	W
1994 VV ₂	13.0	941104	35.61	290.62	73.77	9.86	0.1906	2.7795	23	8	W	1996 VV	13.5	961203	98.79	233.81	57.09	4.14	0.1354	2.5219	70	35	N
1994 VW ₂	14.0	941104	12.16	311.93	78.35	5.04	0.2989	2.6741	23	11	W	1996 VW	14.5	961203	350.74	199.91	220.72	3.48	0.1210	2.2461	67	20	N
1994 VQ ₆	15.0	941015	314.72	224.71	222.50	21.12	0.1026	1.9280	40	13	W	1996 VB ₁	15.0	961113	332.19	210.55	229.46	5.85	0.0727	2.3048	56	14	W
1994 WB ₃	13.0	941124	3.80	307.69	110.07	2.42	0.1871	3.1163	13	10	W	1996 VE ₁	14.9	961203	19.80	271.27	126.36	7.41	0.0980	2.5424	56	23	N
1994 WD ₃	14.0	941124	25.12	315.15	72.96	13.64	0.1717	2.6358	13	8	W	1996 VF ₁	15.1	961203	340.15	40.86	31.25	3.79	0.1548	2.4075	62	30	N
1994 WJ ₃	13.5	941124	2.47	335.38	83.25	14.29	0.2026	2.7186	13	7	W	1996 VK ₁	17.0	961113	358.75	173.00	238.73	2.40	0.2222	2.3458	25	16	W
1994 WL ₃	14.0	941124	352.08	294.18	140.03	4.30	0.1478	2.5115	13	8	W	1996 VP ₁	12.9	961223	49.78	82.88	269.24	13.37	0.2879	2.6483	58	16	N
1994 XW	14.0	941124	19.94	302.67	90.36	7.02	0.1820	2.2710	7	9	W	1996 VR ₁	14.5	961203	69.48	270.74	58.65	15.38	0.0528	2.6724	69	21	M
1996 GM ₁₇	14.5	960318	356.73	168.98	36.61	4.87	0.1203	2.4407	24	12	M	1996 VS ₁	14.5	961203	329.68	51.43	52.05	23.29	0.0900	1.9303	64	38	W
1996 GN ₁₇	15.0	960407	33.33	332.29	191.42	1.80	0.1498	2.4495	52	24	M	1996 VD ₂	13.5	961113	346.06	16.69	59.35	9.78	0.1396	2.5462	41	14	W
1996 GU ₁₇	14.0	960407	322.71	224.26	31.20	9.23	0.1159	2.5415	52	18	M	1996 VM ₂	14.5	961203	53.22	274.45	69.14	12.29	0.2156	2.6680	50	21	M
1996 GV ₁₇	13.5	960318	290.62	77.60	210.36	12.49	0.1076	2.9890	26	15	M	1996 VQ ₂	16.0	961113	39.13	302.91	46.39	0.99	0.2339	2.3127	18	16	W
1996 GY ₁₇	13.5	960318	270.61	282.51	19.90	2.00	0.0546	2.8399	24	12	M	1996 VF ₃	13.5	961203	345.07	33.28	44.96	8.91	0.2205	2.3911	56	34	M
1996 GZ ₁₇	14.5	960318	14.39	339.48	206.85	4.66	0.0636	2.3559	24	12	M	1996 VN ₃	13.5	961203	351.90	5.61	72.81	2.12	0.2213	3.1938	70	14	W
1996 GB ₁₈	14.5	960318	135.96	25.21	38.45	5.18	0.0520	2.1940	24	12	M	1996 VT ₃	14.0	961113	333.16	26.15	45.65	8.16	0.0611	2.7016	27	24	W
1996 GG ₁₈	13.5	960318	57.69	292.47	214.00	4.55	0.0233	2.7664	24	12	M	1996 VH ₄	13.5	961203	284.95	93.69	77.55	13.70	0.1242	2.6895	64	29	D M
1996 GK ₁₈	13.5	960318	64.02	282.47	199.46	3.56	0.1803	2.8137	24	12	M	1996 VJ ₄	12.9	961203	88.34	86.91	236.55	14.14	0.0706	3.2012	53	22	N
1996 GL ₁₈	13.5	960318	26.11	114.00	62.83	3.26	0.0451	2.7515	24	12	E M	1996 VK ₄	14.0	961203	286.84	277.38	237.57	3.57	0.1856	2.6798	53	17	N
1996 GM ₁₈	15.0	960318	329.66	26.93	214.50	2.74	0.1364	2.3864	24	12	M	1996 VL ₄	14.1	961203	97.26	261.03	53.91	3.48	0.0758	2.8059	53	27	N
1996 GO ₁₈	14.0	960318	237.31	136.30	201.23	4.48	0.1141	2.2615	24	12	M	1996 VN ₄	13.1	961203	264.92	302.43	218.44</						

1996 VM ₅	14.0	961203	263.67	73.70	88.74	5.04	0.0703	2.4428	61	31	M	1996 XW	13.7	961203	347.66	16.05	66.43	11.25	0.0946	2.9722	27	11	N
1996 VN ₅	12.5	961203	47.72	215.98	122.44	3.23	0.1857	3.2059	56	17	N	1996 XX	14.0	961223	95.20	256.54	67.80	15.60	0.1146	2.6472	32	10	N
1996 VQ ₅	15.0	961223	12.21	161.42	251.97	8.27	0.2216	2.5990	54	19	N	1996 XY	13.0	961203	197.85	157.75	83.37	10.69	0.0566	2.7772	26	14	W
1996 VZ ₅	15.0	961113	322.35	61.48	75.04	22.19	0.3317	2.4001	32	35	W	1996 XA ₁	13.7	961223	29.30	1.64	40.42	5.54	0.1615	2.5553	26	10	N
1996 VD ₆	12.9	961203	17.19	207.84	208.15	3.91	0.1295	3.2139	34	11	N	1996 XB ₁	12.6	961223	55.56	321.82	55.02	10.36	0.0863	3.0687	28	14	N
1996 VU ₆	14.5	961203	23.65	306.12	70.34	7.71	0.3071	2.5550	62	37	M	1996 XE ₁	12.8	961223	91.00	74.30	280.46	10.09	0.1154	3.0904	26	10	N
1996 VA ₇	14.5	961024	230.10	325.63	209.86	3.91	0.0916	2.5794	53	20	W	1996 XH ₁	14.7	961223	293.57	89.90	78.29	24.56	0.1583	1.8865	26	12	N
1996 VL ₇	14.8	961113	26.72	174.71	200.45	6.62	0.1954	2.5534	5	4	N	1996 XJ ₁	12.6	961223	111.94	249.53	79.14	3.62	0.1895	2.4499	26	10	N
1996 VY ₇	14.2	961113	11.72	239.82	143.65	3.34	0.1863	2.4503	37	10	N	1996 XK ₁	14.5	961203	42.49	103.72	285.48	1.44	0.2064	2.3598	51	10	W
1996 VF ₈	13.1	961113	349.98	32.37	33.49	13.81	0.1592	2.6042	56	10	N	1996 XL ₁	12.6	961203	22.92	337.19	88.02	7.64	0.0763	2.3281	26	8	N
1996 VG ₈	13.0	961203	104.11	26.65	262.76	5.80	0.1935	2.2121	55	11	W	1996 XM ₁	14.0	961203	323.66	46.19	93.69	3.41	0.1407	2.4518	27	8	N
1996 VT ₈	13.5	961203	49.60	281.32	62.91	13.48	0.1878	2.6896	69	13	W	1996 XN ₁	14.8	961223	27.75	330.60	84.87	3.78	0.2132	2.3465	42	16	N
1996 VC ₉	14.1	961203	22.68	314.06	76.02	6.97	0.1836	2.2577	55	16	N	1996 XO ₁	14.2	961223	344.95	191.70	284.73	5.16	0.0816	2.4267	26	16	N
1996 VU ₂₉	14.1	961113	49.66	130.37	201.79	4.68	0.2163	2.4466	13	9	N	1996 XP ₁	14.3	961223	355.95	206.72	245.08	5.88	0.1965	2.4015	27	12	N
1996 VW ₂₉	13.9	961113	63.94	267.77	60.33	5.31	0.1159	2.2621	8	6	N	1996 XQ ₁	11.8	961223	98.52	258.23	97.26	22.83	0.0624	3.0881	26	10	N
1996 VX ₂₉	13.9	961113	239.43	106.21	60.80	6.18	0.0161	2.1695	8	6	N	1996 XS ₁	13.7	961223	93.52	61.94	289.69	4.36	0.1309	2.7014	26	20	N
1996 VY ₂₉	14.2	961113	58.10	151.65	183.32	2.73	0.1492	2.2481	8	6	N	1996 XF ₂	14.5	961203	2.72	350.57	75.10	14.71	0.1465	2.7816	27	20	W
1996 VA ₃₀	14.1	961113	26.37	156.57	216.50	13.17	0.1622	2.4250	8	6	N	1996 XH ₂	15.0	961203	72.58	95.18	249.40	13.05	0.1445	2.6320	36	12	W
1996 VB ₃₀	14.5	961113	36.87	203.64	149.80	2.51	0.2194	2.3581	8	6	N	1996 XJ ₂	14.5	961203	342.62	14.87	83.01	20.92	0.1322	3.2056	39	19	M
1996 VD ₃₀	13.1	961113	10.66	181.66	213.80	8.32	0.1369	2.9633	8	6	N	1996 XM ₂	14.0	961203	91.18	248.70	82.78	5.01	0.2399	2.2116	50	25	M
1996 VE ₃₀	14.9	961113	357.94	323.86	88.85	2.97	0.1416	2.2140	8	6	N	1996 XN ₂	15.5	961203	30.69	78.94	288.04	2.64	0.2521	2.5563	35	27	M
1996 VH ₃₀	13.0	961203	311.54	73.16	52.48	8.10	0.1491	2.4406	65	27	W	1996 XO ₂	14.0	961223	114.14	125.27	180.22	1.87	0.0185	2.9139	41	20	M
1996 VL ₃₀	14.9	961203	22.45	150.35	240.06	5.88	0.1872	2.1920	29	19	N	1996 XR ₂	19.5	961203	19.32	147.23	235.50	19.65	0.3857	2.2886	13	10	W
1996 VM ₃₀	13.5	961113	28.31	326.61	46.20	9.49	0.2036	2.2954	8	6	N	1996 XT ₂	14.5	961223	28.41	316.48	82.90	31.85	0.2868	2.5595	38	42	M
1996 VP ₃₀	13.1	961113	16.56	154.16	233.50	12.09	0.2477	2.6071	30	10	N	1996 XU ₂	13.8	961203	19.55	148.96	282.11	7.54	0.1109	3.0808	28	8	N
1996 VX ₃₀	15.0	961113	297.07	80.57	46.72	9.83	0.1931	2.5403	27	16	W	1996 XW ₂	13.0	961223	328.92	52.02	74.30	13.11	0.1265	2.6652	25	10	N
1996 VJ ₃₆	16.0	961113	52.83	330.29	13.97	9.15	0.1355	3.0574	29	10	W	1996 XX ₂	14.0	961203	22.64	27.46	23.07	2.35	0.1417	2.5299	26	16	W
1996 VL ₃₈	13.8	961113	16.09	150.10	250.58	13.84	0.1039	2.5381	23	10	N	1996 XZ ₂	12.6	961223	307.40	73.18	99.34	14.80	0.1986	3.1890	25	12	N
1996 VM ₃₈	12.8	961113	17.15	318.61	65.10	10.48	0.1573	3.0705	8	6	N	1996 XA ₃	14.5	961203	16.30	145.08	271.30	7.81	0.1768	2.3114	27	13	W
1996 VO ₃₈	12.7	961113	54.84	214.44	134.85	2.81	0.0505	2.8594	8	6	N	1996 XB ₃	12.5	961223	119.17	182.29	139.50	3.20	0.2057	2.4217	25	10	N
1996 VR ₃₈	13.5	961113	65.74	289.13	49.70	5.77	0.1206	2.4101	35	7	W	1996 XC ₃	11.5	961223	88.73	240.33	109.49	10.99	0.1919	3.2676	25	8	N
1996 VF ₃₉	15.5	961113	357.03	105.02	317.30	5.46	0.1901	2.7896	19	9	W	1996 XF ₃	12.4	961223	136.61	189.68	130.06	1.54	0.0473	2.9597	25	10	N
1996 WB	12.6	961203	27.97	337.08	59.31	13.98	0.1747	2.6756	42	12	N	1996 XG ₃	14.1	961223	25.11	0.14	53.41	4.62	0.1600	2.3013	25	8	N
1996 WC	13.9	961203	357.49	42.89	36.90	4.67	0.2517	2.6180	42	22	N	1996 XC ₄	18.5	961203	354.85	31.85	40.36	1.24	0.2019	2.4028	11	12	W
1996 WD	11.8	961203	46.90	308.22	61.75	11.19	0.1979	2.6770	42	13	N	1996 XF ₅	15.0	961203	71.75	326.35	35.47	1.33	0.0664	2.3508	27	8	W
1996 WX	16.0	961203	331.86	47.25	46.41	6.89	0.1111	2.2422	52	16	M	1996 XG ₅	15.0	961223	0.66	24.28	61.56	3.20	0.1060	2.3588	40	15	M
1996 WY	13.7	961203	60.77	301.44	63.20	7.33	0.1219	2.3115	39	12	N	1996 XJ ₅	12.5	961223	199.62	328.37	277.27	12.45	0.1796	2.8514	23	13	N
1996 WA ₁	13.4	961203	329.03	189.01	286.26	2.49	0.0860	2.2659	39	12	N	1996 XK ₅	14.4	961223	348.14	190.79	281.95	13.23	0.1285	2.4265	21	10	N
1996 WB ₁	13.5	961203	35.64	33.95	350.55	2.69	0.2207	2.4681	39	12	N	1996 XL ₅	13.0	961223	39.23	309.12	93.35	13.96	0.1571	2.6224	36	12	N
1996 WR ₁	14.6	961203	75.64	128.04	209.84	3.14	0.1597	2.5227	29	10	N	1996 XM ₅	15.5	961223	34.45	94.12	301.14	2.07	0.3044	2.4388	21	6	N
1996 WS ₁	13.6	961203	336.57	195.52	263.77	4.20	0.0485	2.5575	28	10	N	1996 XN ₅	13.8	961223	6.45	19.44	68.66	3.13	0.1756	2.3740	21	8	N
1996 WU ₁	13.0	961223	338.34	14.45	90.57	10.41	0.0525	3.0847	28	12	N	1996 XP ₅	13.8	961223	58.99	326.98	46.96	2.97	0.2235	2.3726	21	8	N
1996 WQ ₂	12.5	961203	322.97	235.31	260.78	16.41	0.2025	3.1240	53	20	W	1996 XR ₅	15.3	961223	36.49	344.35	56.75	6.16	0.2279	2.3791	22	10	N
1996 WS ₂	16.0	961203	10.97	189.51	206.02	1.66	0.2332	2.3068	67	18	W	1996 XS ₅	13.0	961223	331.48	34.64	97.64	6.11	0.1132	3.1063	21	10	N
1996 WU ₂	13.0	961203	33.08	171.80	176.09	13.59	0.1838	2.5568	25	9	W	1996 XU ₅	12.2	961223	54.59	80.38	300.43	6.40	0.2228	3.2224	21	8	N
1996 WW ₂	16.0	961113	33.75	299.12	49.24	8.44	0.2497	2.4154	2	10	W	1996 XV ₅	14.5	961223	341.66	184.00	298.50	5.84	0.1500	2.3879	21	10	N
1996 WY ₂	15.3	961223	23.89	323.08	64.53	11.11	0.2780	2.7123	28	21	N	1996 XW ₅	11.3	961223	245.30	283.24	299.45	9.49	0.0830	3.0619	21	8	N
1996 WZ ₂	14.0	961223	49.79	301.00	70.83	10.49	0.1819	2.5544	30	13	N	1996 XZ ₅	14.2	961223	9.24	150.25	292.81	3.84	0.2257	2.5735	21	8	N
1996 WA ₃	15.3	961203	28.44	333.37	47.16	7.90	0.2477	2.2518	30	11	N	1996 XB ₆	13.0	961203	315.16	60.23	85.02	13.47	0.0784	2.5317	51	11	W
1996 WE ₃	14.5	961203	182.87	11.67	238.90	5.38	0.0908	2.2854	47	13	W	1996 XE ₆	13.6	961223	353.40	186.80	277.70	12.92	0.1117	2.5369	21	12	N
1996 WJ ₃	13.0	961203	287.16	275.65	207.00	10.06	0.1268	3.0063	52	18	W	1996 XF ₆	12.6	961223	332.76	94.09	41.82	2.18	0.1695	3.1716	21	10	N
1996 XH																							

1996 XB ₉	14.5	961203	54.90	271.49	76.48	15.56	0.1346	2.6078	12	12	W	1996 XS ₁₉	12.3	961223	286.11	241.28	282.18	10.10	0.0810	2.8822	17	9	N
1996 XC ₉	15.5	961113	338.62	337.27	100.46	6.60	0.0946	2.2268	42	11	W	1996 XU ₁₉	14.7	961223	339.69	239.28	248.37	1.19	0.1600	2.4178	33	20	N
1996 XE ₉	15.5	961223	17.19	162.07	263.05	5.47	0.1778	2.3577	38	28	M	1996 XD ₂₀	15.5	961223	32.02	300.01	101.22	6.56	0.1122	2.4270	22	15	M
1996 XF ₉	15.0	961223	99.14	247.60	85.06	2.12	0.1629	2.2502	38	29	M	1996 XE ₂₀	18.0	961203	68.02	94.79	246.43	6.03	0.1301	2.3234	13	8	W
1996 XW ₁₁	15.5	961223	51.30	338.53	70.22	3.07	0.1097	2.9322	41	12	W	1996 XF ₂₀	16.0	961203	34.19	118.31	249.63	3.47	0.2261	3.1658	13	9	W
1996 XJ ₁₂	16.0	961223	308.84	121.39	56.98	3.11	0.1669	2.3368	41	15	W	1996 XH ₂₀	17.5	961203	21.24	103.07	280.36	0.72	0.2981	2.7141	13	9	W
1996 XK ₁₂	15.0	961223	264.29	121.17	99.56	13.87	0.0936	2.9692	39	15	W	1996 XJ ₂₀	15.5	961203	120.53	32.65	261.48	1.55	0.0690	2.7915	13	9	W
1996 XP ₁₂	17.0	961203	350.54	122.58	310.80	4.71	0.1892	2.3552	8	9	W	1996 XS ₂₀	16.0	961203	5.54	353.94	61.87	6.36	0.0524	2.7381	12	11	W
1996 XY ₁₂	15.0	961203	352.49	352.01	80.57	11.85	0.0827	2.9534	10	8	W	1996 XX ₂₀	16.0	961203	29.78	309.36	66.13	5.84	0.2448	2.3815	12	8	W
1996 XM ₁₃	14.0	961203	162.34	192.34	79.29	3.52	0.0674	2.6520	20	8	W	1996 XJ ₂₁	15.0	961203	0.02	348.42	121.21	15.56	0.0476	2.6414	10	9	W
1996 XO ₁₃	14.0	961203	340.03	202.63	256.40	7.18	0.0645	3.0729	20	7	W	1996 XD ₂₂	14.5	961223	297.35	231.26	311.81	8.21	0.0852	2.7356	30	10	N
1996 XP ₁₃	14.9	961223	5.77	14.70	70.92	6.73	0.3168	2.6084	37	10	N	1996 XK ₂₂	16.0	961203	104.13	307.87	33.94	3.06	0.2159	2.4946	10	9	W
1996 XQ ₁₃	13.5	961223	95.62	90.17	241.23	11.56	0.1182	2.6320	30	35	M	1996 XU ₂₂	15.5	961203	75.32	89.07	244.65	12.40	0.1090	3.1041	5	8	E W
1996 XT ₁₄	16.5	961223	82.16	265.30	83.57	24.74	0.0937	1.9030	35	55	M	1996 XV ₂₂	15.5	961203	24.21	291.99	100.29	12.05	0.1000	3.1848	5	9	W
1996 XU ₁₄	15.0	961203	38.68	62.59	320.82	16.33	0.1104	1.9647	14	13	M	1996 XX ₂₂	15.5	961203	171.58	92.63	158.12	6.86	0.0838	2.4021	10	9	W
1996 XW ₁₄	14.0	961203	348.18	64.24	49.76	9.07	0.1072	2.2803	6	22	M	1996 XF ₂₃	15.5	961203	160.33	120.51	139.73	7.15	0.0931	2.3463	14	12	W
1996 XY ₁₄	14.0	961203	188.57	344.84	286.04	5.54	0.1598	2.2095	9	9	E W	1996 XG ₂₃	16.0	961203	190.32	62.26	172.83	7.27	0.0657	2.4008	14	11	W
1996 XC ₁₅	14.0	961203	316.03	78.95	69.21	0.90	0.1156	2.2831	11	13	W	1996 XH ₂₃	17.0	961203	33.73	162.01	257.48	4.28	0.1819	2.7146	5	9	W
1996 XG ₁₅	14.5	961203	300.13	248.39	279.75	3.24	0.1182	2.4052	14	21	W	1996 XM ₂₃	16.0	961223	51.82	124.45	280.42	11.92	0.1740	2.6219	35	15	M
1996 XH ₁₅	14.5	961203	176.96	358.89	281.48	5.58	0.1417	2.2736	3	9	E W	1996 XR ₂₃	15.5	961203	224.42	30.87	231.49	2.27	0.1751	2.6568	5	9	E W
1996 XJ ₁₅	14.0	961203	125.13	222.30	97.14	6.29	0.1738	2.4603	11	15	W	1996 XS ₂₃	14.5	961203	19.99	7.16	42.77	26.24	0.2358	2.2906	9	16	W
1996 XM ₁₅	15.5	961203	218.13	318.93	280.53	4.73	0.0262	2.1942	3	9	E W	1996 XU ₂₃	16.5	961203	27.67	141.33	245.40	13.03	0.1212	2.7443	13	11	W
1996 XN ₁₅	14.0	961203	42.96	299.97	90.00	2.71	0.2586	3.0810	8	9	W	1996 XV ₂₃	17.5	961203	5.58	163.28	251.67	4.13	0.2156	2.4111	13	8	W
1996 XO ₁₅	15.5	961203	11.71	143.99	292.72	0.50	0.1881	2.5010	8	9	E W	1996 XZ ₂₃	17.0	961203	312.29	233.23	241.62	3.02	0.0400	2.3454	12	9	W
1996 XP ₁₅	13.5	961203	232.35	301.10	294.91	1.33	0.1025	2.6833	8	9	E W	1996 XA ₂₄	14.5	961203	172.39	180.29	67.73	4.89	0.1658	2.4836	12	9	W
1996 XR ₁₅	14.5	961203	46.97	35.44	2.60	0.88	0.1445	3.0214	8	10	E W	1996 XB ₂₄	17.0	961223	354.09	10.37	62.94	4.10	0.2708	2.5805	34	12	W
1996 XS ₁₅	16.0	961203	122.00	233.24	94.53	24.71	0.0348	1.9090	11	16	W	1996 XD ₂₄	17.0	961223	50.52	297.58	66.76	2.63	0.1478	2.3629	36	12	W
1996 XA ₁₆	18.0	961203	45.22	113.83	251.69	5.53	0.1289	2.3312	13	8	W	1996 XF ₂₄	15.5	961203	164.97	188.17	64.03	11.15	0.1897	2.4444	12	9	W
1996 XH ₁₆	17.0	961223	343.49	160.10	293.30	0.55	0.1509	2.3916	37	12	W	1996 XG ₂₄	16.5	961203	41.48	139.28	219.49	0.82	0.2338	3.1422	12	9	E W
1996 XJ ₁₆	15.0	961203	253.86	277.87	253.47	2.46	0.0262	2.7067	13	11	W	1996 XB ₂₅	15.0	961203	48.49	314.11	80.17	5.30	0.2073	2.5621	11	9	W
1996 XA ₁₇	16.5	961203	41.04	314.76	51.58	0.99	0.1681	3.2235	13	8	E W	1996 XP ₂₅	15.9	961203	39.53	184.26	187.26	6.20	0.1758	2.2947	9	5	N
1996 XB ₁₇	15.0	961203	333.99	37.03	63.39	7.28	0.1793	3.0551	27	12	W	1996 XQ ₂₅	15.3	961203	17.89	269.07	128.12	6.00	0.2371	2.3654	11	8	N
1996 XN ₁₇	15.0	961223	6.30	355.64	66.37	13.81	0.1694	2.5539	40	15	W	1996 XS ₂₅	12.6	961223	208.34	157.27	101.75	20.03	0.1777	3.1138	18	11	N
1996 XQ ₁₇	15.0	961203	67.11	237.21	101.74	12.12	0.1559	2.6569	12	15	W	1996 XT ₂₅	13.8	961223	53.57	284.24	75.62	13.67	0.1932	2.6848	26	10	N
1996 XY ₁₇	15.0	961113	359.72	164.50	252.26	5.71	0.0999	2.2138	44	17	W	1996 XU ₂₅	13.0	961223	49.24	164.72	219.29	1.82	0.0643	2.8908	26	10	N
1996 XC ₁₈	15.0	961203	209.11	161.25	56.88	8.13	0.1006	2.4677	24	9	W	1996 XW ₂₅	15.7	970112	17.16	343.66	80.28	28.25	0.2030	2.2311	31	15	N
1996 XL ₁₈	16.5	961203	74.31	189.85	176.15	2.65	0.2617	2.5073	10	12	W	1996 XY ₂₅	15.0	961203	14.37	211.85	144.25	13.67	0.1920	2.7169	15	19	W
1996 XQ ₁₈	15.0	961203	11.88	46.36	9.71	15.55	0.2909	2.7161	9	9	M	1996 XA ₂₆	16.5	961203	45.12	245.80	82.21	13.15	0.3138	2.5605	15	14	W
1996 XR ₁₈	13.0	961223	225.28	317.67	267.19	0.91	0.0080	2.9077	32	25	M	1996 XB ₂₆	14.5	961223	338.85	206.09	254.42	5.01	0.1226	2.6759	21	8	N
1996 XS ₁₈	14.0	961223	354.52	21.46	80.40	2.78	0.0906	3.0769	34	22	M	1996 XC ₂₆	15.3	961223	11.76	149.60	290.46	1.24	0.1936	2.3858	22	9	N
1996 XU ₁₈	13.0	961223	2.81	334.72	123.74	2.43	0.1493	3.1676	32	21	M	1996 XD ₂₆	14.0	961223	22.60	348.60	83.94	5.65	0.0928	2.5508	22	9	N
1996 XV ₁₈	15.0	961223	28.66	223.79	216.63	3.62	0.0379	2.5415	32	18	M	1996 XF ₂₆	19.0	961203	11.78	186.71	210.99	7.53	0.3825	2.6658	5	13	W
1996 XY ₁₈	14.1	961223	355.87	214.68	231.08	2.84	0.1719	2.4425	28	15	N	1996 XG ₂₆	15.5	961223	73.20	323.55	17.70	2.56	0.2278	2.3704	27	8	W
1996 XZ ₁₈	15.8	961223	39.11	347.08	50.39	3.40	0.2287	2.3536	38	10	N	1996 XJ ₂₆	13.5	961223	106.18	221.50	96.59	3.08	0.1219	2.9610	40	10	W
1996 XA ₁₉	15.5	961203	335.60	25.18	72.98	11.71	0.1791	2.3207	39	23	W	1996 XN ₂₆	12.5	961203	278.09	101.62	64.47	2.78	0.1087	2.9283	3	6	E W
1996 XC ₁₉	11.8	961223	55.69	288.97	107.42	9.88	0.0420	3.0130	36	11	N	1996 XR ₂₆	13.0	961203	209.23	318.47	243.66	8.36	0.1910	2.7296	6	10	W
1996 XD ₁₉	13.0	961223	308.99	296.91	222.60	4.23	0.1286	2.4511	36	10	N	1996 XU ₂₆	14.5	961113	341.57	75.93	334.02	7.23	0.0881	2.2321	51	13	W
1996 XE ₁₉	11.4	961223	93.80	159.39	179.28	3.82	0.2249	2.9900	36	13	N	1996 XX ₂₆	14.5	961223	284.60	118.48	105.64	11.68	0.2197	2.4383	38	18	W
1996 XF ₁₉	14.0	961223	54.30	143.32	242.42	4.10	0.1507	2.3021	36	12	N	1996 XA ₂₇	11.5	961203	29.38	65.68	310.35	15.27	0.2320	3.1216	10	15	W
1996 XH ₁₉	12.1	961223	264.28	110.99	98.25	15.82	0.1520	2.6296	36	10	N	1996 XB₂₇	22.0	961203	191.75	58.23	179.77	2.47	0.0581	1.1881	19	15	W
1996 XJ ₁₉	12.2	961																					

1996 XF ₃₀	17.5	961203	46.82	99.13	243.76	7.13	0.3225	2.8512	4	9	W	1996 YD ₂	11.5	961223	351.48	105.01	4.57	12.21	0.1035	3.0319	17	9	W
1996 XV ₃₀	14.8	961223	52.36	273.41	105.15	13.81	0.2773	2.6854	23	7	N	1996 YE ₂	13.5	961223	31.10	136.48	298.22	4.67	0.0916	2.3167	20	12	W
1996 XY ₃₀	13.0	961203	227.57	135.97	102.09	3.14	0.0892	2.4169	8	7	W	1996 YG ₂	13.0	961223	342.53	83.41	4.63	6.53	0.3122	3.2263	17	9	W
1996 XZ ₃₀	13.5	961223	56.43	121.82	270.04	5.49	0.1421	2.4417	30	8	N	1996 YJ ₂	12.7	970112	12.01	351.45	115.02	10.74	0.1896	2.7841	23	18	N
1996 XA ₃₁	14.5	961223	16.27	303.04	133.48	4.64	0.2357	2.4230	30	8	N	1996 YL ₂	12.6	970112	265.26	87.81	97.11	7.14	0.0732	2.4186	9	9	N
1996 XB ₃₁	12.5	961223	342.96	3.71	122.72	10.20	0.0535	3.1667	30	8	N	1996 YN ₂	14.1	961223	43.89	147.76	251.37	2.63	0.1652	2.3229	9	6	N
1996 XC ₃₁	14.6	961223	101.88	67.14	280.14	7.93	0.1646	2.5770	30	12	N	1996 YP ₂	13.4	961223	55.30	334.44	31.83	4.89	0.1990	2.3316	5	7	N
1996 XD ₃₁	13.9	961223	105.07	232.80	117.02	5.57	0.0808	2.2591	15	6	N	1996 YQ ₂	14.3	961223	41.08	316.55	93.14	5.57	0.1516	2.3393	8	14	N
1996 XE ₃₁	12.4	961223	265.71	302.86	272.23	10.87	0.1274	2.4174	30	8	N	1996 YR ₂	13.9	970112	11.21	147.35	308.49	8.44	0.1228	2.7775	9	8	N
1996 XF ₃₁	12.8	961223	52.46	114.53	276.14	14.67	0.2027	2.5926	30	8	N	1996 YS ₂	14.8	961223	338.72	74.68	59.01	3.52	0.1780	2.3169	8	6	N
1996 XJ ₃₁	13.1	961223	339.10	21.50	107.76	10.30	0.0642	2.7565	30	12	N	1996 YT ₂	15.5	961223	37.62	203.56	182.95	2.49	0.1989	2.5223	23	10	M
1996 XK ₃₁	14.5	961223	33.50	247.75	162.84	3.08	0.2540	2.6796	33	15	W	1996 YV ₂	16.4	970112	359.22	171.26	299.48	3.05	0.1855	2.2835	12	13	N
1996 XQ ₃₁	15.0	961203	32.93	311.23	98.80	12.98	0.1739	2.6291	11	9	W	1996 YX ₂	13.9	970112	12.44	35.63	56.89	1.28	0.1534	3.1901	11	9	N
1996 XX ₃₁	12.5	961203	163.91	297.46	349.67	12.27	0.1345	2.3771	6	9	W	1996 YY ₂	12.6	970112	78.11	295.22	76.17	2.39	0.1753	3.0806	17	9	N
1996 XZ ₃₁	14.4	961223	239.39	135.95	91.10	7.10	0.0902	2.2201	22	8	N	1996 YA ₃	15.1	970112	7.02	35.86	60.33	1.57	0.0379	2.3219	10	10	N
1996 XD ₃₂	13.0	961223	321.14	78.20	73.45	15.07	0.1056	2.6618	16	8	N	1996 YB ₃	12.9	970112	327.09	212.87	285.42	14.52	0.0450	3.1521	10	8	N
1996 XE ₃₂	13.8	970112	342.23	117.14	19.24	7.54	0.2151	3.1645	35	20	N	1996 YC ₃	14.2	970112	82.85	36.53	308.90	4.14	0.3243	2.6347	7	8	N
1996 XF ₃₂	13.5	961203	91.68	247.39	78.30	3.41	0.1287	2.3914	3	6	E W	1996 YD ₃	12.9	970112	207.20	272.66	351.64	9.45	0.0742	3.0317	19	14	N
1996 XH ₃₂	14.5	961203	86.66	244.16	86.60	1.32	0.1334	2.1892	3	6	E W	1996 YF ₃	13.0	961203	39.96	83.86	285.49	13.70	0.1388	2.5984	17	13	W
1996 XJ ₃₂	12.5	961203	103.52	237.32	76.04	2.37	0.1531	3.0923	3	6	E W	1996 YH ₃	11.0	961223	64.20	269.92	64.75	16.89	0.0788	3.2385	16	10	W
1996 XL ₃₂	13.5	970112	192.24	158.97	118.29	6.26	0.1498	3.1100	28	10	N	1996 YP ₃	13.0	961223	178.73	173.41	63.84	15.01	0.0593	2.5995	15	8	W
1996 XN ₃₂	16.1	961223	11.04	16.64	73.81	7.31	0.0797	2.3894	28	7	N	1997 AA	13.0	961223	72.45	290.53	93.19	3.38	0.0443	2.8660	11	16	W
1996 XO ₃₂	16.7	961223	12.99	156.85	289.63	17.05	0.0907	1.9762	28	8	N	1997 AB	15.5	961223	30.84	320.00	98.90	9.44	0.1518	2.8966	8	11	W
1996 XQ ₃₂	13.9	961203	334.14	237.70	223.53	4.37	0.0593	2.2660	9	6	N	1997 AD	13.4	970112	313.54	240.23	294.78	12.17	0.1629	2.5412	12	12	N
1996 XU ₃₂	14.8	961203	311.69	2.69	135.69	4.34	0.1919	2.3070	6	7	N	1997 AE	12.2	970112	172.09	347.73	311.20	7.76	0.1408	2.7063	12	8	N
1996 XV ₃₂	13.5	961203	300.46	266.19	254.69	8.23	0.2579	3.1566	3	6	E W	1997 AF	12.7	970112	58.02	280.99	99.21	7.53	0.3084	2.5538	12	10	N
1996 XW ₃₂	14.0	961203	191.20	344.74	259.72	5.13	0.1246	2.1193	3	6	E W	1997 AJ	13.5	970112	34.42	106.47	307.31	8.45	0.2832	2.7813	12	8	N
1996 XX ₃₂	15.0	961203	41.84	286.48	77.94	2.70	0.2728	2.4271	3	6	E W	1997 AK	15.9	970112	347.16	179.97	322.06	2.24	0.2735	2.6815	12	9	N
1996 XY ₃₂	14.5	961203	349.86	16.78	72.73	6.58	0.2219	2.8822	3	6	E W	1997 AL	13.4	970112	30.57	129.22	312.24	7.66	0.1260	3.2290	12	8	N
1996 XC ₃₃	16.0	961203	8.50	31.99	26.80	0.26	0.2128	2.2772	3	6	E W	1997 AM	14.1	970112	38.98	343.83	87.57	3.76	0.1139	2.5892	13	19	N
1996 XD ₃₃	12.0	961203	68.12	276.20	67.58	7.09	0.1901	3.2280	3	6	E W	1997 AO	13.2	970112	32.02	315.19	116.70	23.89	0.2021	2.4287	12	8	N
1996 XF ₃₃	13.5	961223	11.01	333.15	56.00	7.39	0.1357	2.3229	35	16	W	1997 AP	14.2	970112	163.79	17.57	294.46	2.81	0.1867	2.2682	12	9	N
1996 XH ₃₃	16.0	961203	40.59	326.74	91.71	7.31	0.1642	2.3052	10	9	W	1997 AQ	14.5	961223	42.81	300.62	118.40	7.92	0.1230	2.2568	38	11	W
1996 XL ₃₃	14.5	961203	298.06	84.84	73.54	9.10	0.1842	2.5377	25	12	W	1997 AR	14.9	970112	231.66	326.13	292.38	2.02	0.1133	2.4090	12	15	N
1996 XM ₃₃	13.5	961203	83.21	266.59	73.96	3.26	0.1036	2.7066	6	7	E W	1997 AS	13.4	970112	192.26	178.24	114.13	5.56	0.1776	2.4518	12	8	N
1996 XU ₃₃	14.5	961203	90.94	255.11	95.77	7.76	0.1330	2.3778	9	12	W	1997 AT	12.4	970112	91.83	252.47	109.95	8.44	0.2387	2.4661	12	8	N
1996 YB	13.3	961223	324.21	56.78	97.33	8.52	0.1642	2.7841	17	14	N	1997 AV	13.7	970112	15.43	141.77	318.52	4.20	0.0915	2.2656	12	8	N
1996 YC	14.3	961223	326.51	225.79	287.55	23.06	0.2125	2.4416	21	17	N	1997 AW	14.7	970112	312.57	201.15	3.16	1.73	0.3470	2.3529	12	8	N
1996 YE	12.8	961223	279.11	256.18	301.72	9.86	0.1032	2.6533	18	8	N	1997 AZ	12.6	970112	35.27	354.36	63.23	2.28	0.3026	3.1573	12	9	N
1996 YG	12.6	961223	325.44	176.08	331.77	4.53	0.1026	3.0056	18	10	N	1997 AA ₁	12.4	970112	63.40	339.83	51.49	1.95	0.1907	3.1997	16	11	N
1996 YH	13.0	961223	1.43	184.00	281.45	12.43	0.1066	2.5561	18	8	N	1997 AB ₁	15.3	970112	50.48	312.34	84.69	4.04	0.2549	2.2976	11	11	N
1996 YP	14.7	961223	358.52	170.13	296.30	6.26	0.0542	2.3039	22	11	N	1997 AC ₁	13.9	970112	172.86	264.81	41.29	2.51	0.0769	2.4776	13	11	N
1996 YS	13.5	961223	35.91	123.23	290.93	12.28	0.2197	3.1310	25	10	W	1997 AD ₁	13.1	970112	53.60	293.07	119.10	4.11	0.1448	2.4622	12	8	N
1996 YT	12.4	961223	185.49	244.81	38.27	3.49	0.1721	2.4083	18	8	N	1997 AE ₁	13.8	970112	339.77	204.08	301.79	11.19	0.1098	2.6702	12	8	N
1996 YU	13.3	961223	46.76	281.02	130.36	4.41	0.1187	2.8138	18	9	N	1997 AG ₁	13.2	970112	55.86	102.42	313.22	7.24	0.1004	3.1443	12	8	N
1996 YV	14.3	961223	339.21	6.92	124.08	4.98	0.0745	2.3015	18	9	N	1997 AH ₁	14.3	970112	253.28	141.36	100.30	8.17	0.1402	2.5119	13	9	N
1996 YW	14.3	961223	24.58	2.48	72.31	4.17	0.0910	2.1583	18	8	N	1997 AJ ₁	13.2	970112	297.75	233.46	329.21	3.78	0.2223	2.4321	12	8	N
1996 YX	13.7	961223	36.50	148.57	276.18	6.99	0.0808	2.3102	18	8	N	1997 AL ₁	10.4	970112	78.26	93.47	301.05	18.33	0.0883	3.1665	12	8	N
1996 YZ	14.5	961223	323.00	223.99	289.69	2.02	0.1227	2.4347	25	12	W	1997 AM ₁	15.0	970112	54.57	328.30	79.51	4.10	0.1666	2.4517	13	9	N
1996 YA ₁	13.8	970112	20.47	351.15	101.78	3.49	0.0092	2.9107	18	9	N	1997 AN ₁	13.0	961223	312.37	233.65	299.92	12.19	0.1075	2.6653	12	8	W
1996 YF ₁	17.5	961223	336.36	75.16	77.56	8.98	0.3751	2.2808	18	19	M	1997 AO ₁	10.6	970112	141.51	226.45	112.37	4.97	0.0537	4.0000	7	6	E N
1996 YN ₁	12.5	961203	324.90	209.20	291.86	33.68	0.2067	2.7255	7	13	W	1997 AP ₁	11.4	970112									

1997 AZ ₁	12.8	970112	43.62	60.60	4.32	5.91	0.1030	3.1915	11	8	N	1997 AF ₅	14.3	970112	136.43	235.79	97.18	7.58	0.1625	2.2853	12	8	N
1997 AB ₂	13.0	970112	135.21	237.29	105.09	16.03	0.0105	2.5916	5	6	N	1997 AH ₅	14.0	961223	306.54	219.59	335.14	1.91	0.0840	2.2034	18	8	W
1997 AC ₂	13.0	970112	332.31	185.39	333.15	7.99	0.1973	3.0889	11	8	N	1997 AK ₅	15.5	970112	33.43	85.01	344.90	4.21	0.2493	2.5117	6	9	N
1997 AD ₂	13.3	970112	223.07	225.05	34.06	5.11	0.0629	2.3266	11	8	N	1997 AL ₅	12.5	970112	351.45	162.69	334.73	6.12	0.2800	2.4158	5	8	N
1997 AE ₂	13.0	961223	87.54	81.38	303.49	8.82	0.1063	3.0624	22	15	W	1997 AM ₅	14.2	970112	334.59	139.54	18.32	3.63	0.1445	2.3338	6	10	N
1997 AF ₂	14.0	970112	247.58	127.33	124.03	12.53	0.1232	2.5786	7	7	E N	1997 AN ₅	13.8	970112	59.62	348.48	62.67	5.70	0.1271	2.2654	5	8	N
1997 AG ₂	14.5	970112	295.10	275.90	307.11	4.45	0.2796	2.5671	7	6	E N	1997 AO ₅	13.5	970112	101.36	288.28	77.85	5.81	0.1875	2.4976	6	9	N
1997 AH ₂	14.4	970112	8.35	153.04	321.33	2.84	0.1164	2.6053	7	7	E N	1997 AP ₅	13.5	970112	47.32	351.04	66.59	5.47	0.2096	2.5760	6	6	N
1997 AJ ₂	13.5	961203	16.68	345.23	106.56	4.74	0.0741	2.2865	39	9	W	1997 AQ ₅	11.9	970112	288.74	140.89	62.81	6.62	0.0430	2.8165	5	6	E N
1997 AK ₂	12.7	970112	13.46	49.46	53.93	1.39	0.2318	3.0379	7	6	N	1997 AR ₅	12.6	970112	62.31	293.94	112.63	14.82	0.1813	2.9120	6	10	N
1997 AN ₂	13.6	970112	85.49	48.02	331.11	6.49	0.1158	2.3112	11	8	N	1997 AS ₅	13.5	961223	275.86	264.92	334.00	10.26	0.2793	2.5979	2	7	E W
1997 AP ₂	13.6	970112	301.70	61.68	132.88	5.13	0.0974	2.5109	7	6	N	1997 AU ₅	11.8	970112	34.29	97.42	350.80	9.43	0.0844	3.0554	6	6	E N
1997 AQ ₂	13.4	970112	45.33	95.70	319.06	8.37	0.1952	2.7189	11	8	N	1997 AW ₅	12.5	961223	306.37	76.73	114.75	2.50	0.1520	3.1168	7	10	W
1997 AR ₂	11.4	970112	337.96	38.63	117.02	2.46	0.1249	3.1228	7	6	N	1997 AY ₅	14.5	961203	331.54	183.88	276.97	5.89	0.1490	2.5641	74	16	W
1997 AS ₂	14.7	970112	96.49	61.70	305.29	24.90	0.2010	2.2672	7	9	N	1997 AZ ₅	14.0	961223	356.18	159.72	275.39	5.70	0.0960	2.2934	19	15	W
1997 AT ₂	13.9	970112	92.62	346.29	17.95	4.48	0.1718	2.1513	11	8	N	1997 AA ₆	14.5	961223	30.27	122.38	263.35	11.62	0.1697	2.5935	12	9	W
1997 AU ₂	14.1	970112	10.37	358.78	101.55	15.66	0.1496	3.0775	12	8	N	1997 AB ₆	14.0	961223	319.25	182.06	293.10	3.51	0.0655	2.2651	13	15	W
1997 AW ₂	12.0	970112	337.40	118.49	33.05	4.65	0.1694	3.0249	6	6	N	1997 AC ₆	13.5	961223	114.73	266.93	70.50	3.34	0.1109	2.8448	11	10	M
1997 AX ₂	13.1	970112	28.93	345.89	90.27	9.23	0.2086	2.7730	6	6	N	1997 AD ₆	15.5	961223	218.15	157.21	108.11	9.60	0.2786	2.3036	7	7	M
1997 AY ₂	11.5	961223	91.66	274.28	89.08	10.59	0.2152	3.1246	6	6	E W	1997 AG ₆	16.5	961223	18.48	147.56	294.72	5.71	0.0990	2.2889	6	11	E W
1997 AZ ₂	14.1	970112	85.60	37.60	329.76	9.39	0.2302	2.3556	8	9	N	1997 AH ₆	15.5	961223	216.81	159.47	105.82	5.52	0.2565	2.3538	6	9	E W
1997 AA ₃	11.5	970112	121.58	28.19	318.88	18.16	0.1221	2.9102	6	6	E N	1997 AL ₆	15.0	961223	66.89	98.91	286.54	23.01	0.0720	2.6570	3	9	E M
1997 AB ₃	13.3	970112	351.26	176.21	313.60	14.17	0.0488	2.5532	6	6	N	1997 AM ₆	15.0	961223	30.27	122.38	263.35	7.41	0.0820	2.2874	8	10	M
1997 AC ₃	11.5	970112	284.66	253.35	325.54	12.95	0.2027	2.8445	6	6	N	1997 AO ₆	16.0	961223	338.45	37.27	90.00	3.89	0.1302	2.1996	13	11	W
1997 AD ₃	13.6	970112	13.78	110.94	350.81	5.87	0.1226	2.3628	6	6	N	1997 AQ ₆	14.5	961223	339.59	7.45	68.36	24.37	0.0226	1.8090	9	11	W
1997 AE ₃	12.6	970112	345.74	42.08	97.89	14.81	0.1082	2.5335	9	8	N	1997 AR ₆	14.2	970112	343.82	199.04	271.18	7.80	0.1223	2.1977	5	6	N
1997 AF ₃	13.5	970112	334.37	120.55	33.84	5.18	0.1337	2.3576	6	6	N	1997 AV ₆	14.8	970112	1.53	1.94	125.01	5.55	0.0741	2.3404	9	7	N
1997 AG ₃	13.5	961223	190.38	172.43	111.84	3.52	0.0914	3.0767	17	9	W	1997 AW ₆	13.8	970112	227.86	284.16	351.04	4.98	0.2211	2.5466	5	9	N
1997 AL ₃	15.5	961223	252.40	127.82	112.77	11.30	0.2063	2.5462	21	12	W	1997 AX ₆	12.2	970112	50.11	282.39	141.39	14.06	0.1338	3.2326	4	6	E N
1997 AM ₃	16.0	961223	290.74	82.53	109.78	5.09	0.1141	2.3708	21	12	W	1997 AY ₆	14.2	970112	35.03	128.01	303.13	6.51	0.2755	2.9324	4	6	N
1997 AN ₃	15.0	961223	210.10	313.38	320.43	1.27	0.2013	2.8069	9	8	E W	1997 AZ ₆	14.0	961223	186.57	141.48	154.94	3.96	0.0931	2.4121	11	9	W
1997 AU ₃	12.4	970112	64.74	13.37	337.44	10.28	0.1776	2.9113	6	7	N	1997 AA ₇	13.3	970112	97.25	250.56	136.13	3.22	0.0575	2.3101	4	6	N
1997 AW ₃	13.7	970112	32.72	305.78	132.39	4.81	0.1326	2.2955	5	6	N	1997 AB ₇	13.7	970112	286.98	115.44	108.51	2.88	0.1824	2.4047	4	6	N
1997 AX ₃	13.3	970112	66.88	106.57	278.90	3.77	0.2532	2.3313	5	6	N	1997 AC ₇	12.8	970112	30.64	302.25	137.30	10.89	0.2100	2.8578	4	6	N
1997 AY ₃	13.8	970112	0.95	337.52	143.77	6.12	0.0355	2.2842	5	6	E N	1997 AD ₇	13.5	961223	99.96	189.29	166.82	2.74	0.2670	2.5040	11	12	W
1997 AA ₄	14.8	970112	71.61	114.32	284.38	2.26	0.1411	2.4072	5	6	E N	1997 AE ₇	13.7	970112	25.42	264.16	176.62	3.93	0.2713	2.6329	4	6	E N
1997 AB ₄	14.3	970112	152.46	9.06	319.54	3.27	0.0997	2.1762	5	6	E N	1997 AF ₇	14.4	970112	334.31	22.51	141.71	3.97	0.1563	2.3727	4	6	E N
1997 AC ₄	12.7	970112	72.91	33.83	349.00	1.79	0.2703	2.6825	5	6	E N	1997 AH ₇	13.6	970112	33.93	265.36	156.12	5.65	0.3264	2.6517	4	6	E N
1997 AD ₄	14.4	970112	17.54	138.12	325.91	3.37	0.1061	2.5684	5	6	N	1997 AJ ₇	14.9	970112	17.15	184.48	276.43	1.32	0.2379	2.6638	4	6	N
1997 AE ₄	12.1	970112	0.30	355.59	126.47	6.50	0.2147	2.8798	5	6	N	1997 AK ₇	13.0	970112	198.91	166.05	133.14	14.36	0.1539	2.6160	4	6	N
1997 AF ₄	13.5	961223	350.18	3.25	131.17	8.68	0.1630	2.7796	9	9	W	1997 AL ₇	14.0	970112	58.15	265.91	152.62	3.52	0.0900	2.4391	7	12	E W
1997 AG ₄	12.5	970112	355.63	186.96	305.27	12.62	0.1678	2.7202	5	6	N	1997 AM ₇	16.0	970112	26.14	116.55	331.15	2.90	0.2171	2.4910	6	9	N
1997 AH ₄	15.0	961223	34.57	107.14	317.89	1.52	0.2200	2.4133	5	6	E W	1997 AN ₇	14.5	970112	22.86	220.38	226.77	2.36	0.2413	2.4131	4	6	N
1997 AJ ₄	13.0	961223	267.91	310.87	280.88	6.27	0.1964	2.2437	5	6	E W	1997 AO ₇	13.2	970112	189.14	146.50	153.26	4.70	0.0788	2.2362	4	6	E N
1997 AK ₄	12.8	970112	330.53	238.22	281.97	2.76	0.1017	2.8726	5	6	E N	1997 AR ₇	14.5	961223	337.27	117.98	343.45	2.11	0.1546	2.3881	29	21	W
1997 AM ₄	14.0	961223	186.92	166.47	133.09	13.11	0.0972	2.6924	9	10	W	1997 AD ₈	15.5	961203	107.06	102.45	258.50	2.09	0.1076	2.6368	65	12	W
1997 AN ₄	14.1	970112	47.30	145.23	284.11	0.86	0.1048	2.3806	5	6	E N	1997 AK ₈	16.5	961223	297.30	56.52	144.43	3.66	0.1584	2.4147	9	9	E W
1997 AO ₄	12.4	970112	184.48	180.28	125.19	5.93	0.1081	2.7363	23	9	N	1997 AN ₈	17.5	961223	41.85	125.25	289.57	4.10	0.2602	2.8130	9	9	W
1997 AP ₄	13.3	970112	313.64	359.90	193.45	1.59	0.2382	2.4665	5	6	N	1997 AO ₈	16.0	961223	213.58	18.89	255.19	1.67	0.0445	2.7405	15	11	W
1997 AQ ₄	13.4	970112	286.42	113.63	112.61	5.53	0.2304	2.3262	5	6	N	1997 AR ₈	15.5	961223	103.45	60.58	300.35	10.60	0.2046	2.6002	14	9	W
1997 AR ₄	11.7	970112	292.77	13.65	213.85	1.35	0.2974	3.0219	5	6	E N	1997 AU ₈	17.0	961223	303.64	37.36	160.17	1.51	0.1824	2.4366	15	9	W
1997 AS ₄	11.5	970112	95.63	225.23	150.57																		

1997 AX ₉	15.5	961223	40.75	256.36	182.04	1.82	0.0675	2.8929	14	12	W
1997 AZ ₉	16.0	961223	202.22	147.98	144.42	5.49	0.2837	2.1531	14	9	W
1997 AA ₁₀	16.0	961223	157.73	120.24	203.69	1.41	0.1113	2.5523	14	9	W
1997 AD ₁₀	15.5	961223	116.89	205.58	145.71	3.96	0.2011	2.4544	14	9	W
1997 AG ₁₀	17.0	961223	52.90	125.25	276.04	1.70	0.2678	2.5882	14	9	W
1997 AH ₁₀	17.0	961223	74.00	264.29	119.71	4.32	0.1194	2.5068	2	9	E W
1997 AJ ₁₀	19.5	961223	25.65	305.65	121.56	1.57	0.2270	2.3281	2	9	E W
1997 AK ₁₀	16.0	961223	295.69	287.58	274.14	0.52	0.2279	2.5445	2	9	E W
1997 AL ₁₀	15.5	961223	38.72	149.11	270.03	0.47	0.1579	2.6119	2	9	E W
1997 AN ₁₀	17.5	961223	311.96	250.68	286.43	2.10	0.1903	2.5121	2	9	E W
1997 AO ₁₀	16.0	961223	225.95	131.02	123.28	3.57	0.0854	2.8293	2	9	E W
1997 AP₁₀	17.0	970112	211.36	355.39	294.17	8.89	0.7398	1.4596	8	20	W
1997 AY ₁₀	15.0	970112	349.34	63.43	64.86	0.55	0.2558	3.0009	5	6	E W
1997 AZ ₁₀	17.0	970112	321.08	213.80	306.64	0.93	0.1380	2.1660	5	6	E W
1997 AC₁₁	20.8	970112	252.09	141.40	117.02	31.80	0.3685	0.9140	9	0	N
1997 AM ₁₁	16.5	961223	58.15	149.53	251.09	1.28	0.1994	2.3337	15	11	W
1997 AD ₁₂	17.0	970112	46.27	121.90	292.35	5.45	0.2480	2.6066	6	9	W
1997 AE₁₂	17.5	970112	70.99	48.96	307.31	5.65	0.5587	2.2175	6	12	W
1997 AG ₁₂	17.5	970112	75.19	156.97	227.61	1.52	0.2398	2.4430	7	9	W
1997 AO ₁₂	17.0	970112	19.41	338.79	109.91	10.85	0.0835	2.1908	3	7	E W
1997 AQ ₁₂	11.3	970112	58.51	302.11	115.30	12.76	0.0794	3.1097	4	6	N
1997 AR ₁₂	11.2	970112	229.48	314.68	314.60	12.91	0.2012	2.9216	4	6	N
1997 AS ₁₂	12.7	970112	272.76	124.50	107.38	9.37	0.1946	2.4447	4	6	N
1997 AT ₁₂	13.4	970112	25.90	121.64	327.33	4.37	0.1279	2.4953	4	6	E N
1997 AU ₁₂	14.0	970112	37.81	113.44	324.12	5.81	0.0858	2.3185	4	6	E N
1997 AV ₁₂	12.0	970112	130.73	258.47	91.39	3.73	0.0585	2.9994	4	6	E N
1997 AW ₁₂	14.5	970112	11.00	151.41	314.75	10.13	0.1782	2.5967	4	6	N
1997 AX ₁₂	17.0	970112	15.68	341.47	110.93	6.36	0.2810	2.3560	4	9	E W
1997 AY ₁₂	14.6	970112	351.15	30.89	104.25	5.31	0.1587	2.5137	4	6	N
1997 AZ ₁₂	15.5	970112	334.19	44.01	114.57	9.26	0.1686	2.2796	4	9	W
1997 AA ₁₃	11.8	970112	41.74	14.40	48.95	2.65	0.2134	3.1088	4	6	E N
1997 AB ₁₃	12.9	970112	57.85	354.19	64.62	3.14	0.0652	2.2707	4	6	N
1997 AE ₁₃	14.0	970112	322.77	94.57	75.85	7.70	0.1364	2.3850	3	7	N
1997 AF ₁₃	13.4	970112	240.29	157.71	94.56	10.37	0.0902	2.2908	3	6	N
1997 AG ₁₃	13.7	970112	344.93	71.91	69.89	6.60	0.1199	2.3575	3	6	N
1997 AH ₁₃	12.2	970112	98.23	304.15	69.94	8.91	0.1150	2.9194	3	6	E N
1997 AJ ₁₃	14.1	970112	34.34	63.49	356.98	6.84	0.3062	2.6724	3	6	N
1997 AL ₁₃	10.9	970112	232.63	279.88	347.94	12.09	0.1753	3.1119	3	6	E N
1997 AM ₁₃	13.8	970112	353.83	75.92	54.74	7.14	0.0459	2.3661	6	8	N
1997 AT ₁₃	15.5	961223	65.52	345.26	36.59	2.87	0.2158	2.3837	32	19	W
1997 AV ₁₃	15.5	970112	51.20	223.60	178.45	4.03	0.1412	2.2090	4	13	W
1997 AW ₁₃	14.0	970112	38.86	98.52	339.32	10.12	0.0983	2.7727	6	10	E W
1997 AS ₁₄	16.0	970112	100.05	253.08	112.10	18.23	0.0603	2.4964	2	9	E W
1997 AV ₁₄	15.0	970112	88.78	83.93	293.47	16.66	0.0533	3.1069	4	10	E W
1997 AB ₁₅	18.0	970112	315.87	75.33	112.83	37.54	0.3077	2.0719	3	40	W
1997 AH ₁₅	16.0	970112	298.47	93.79	111.10	22.78	0.2305	2.3723	4	12	E W
1997 AP ₁₅	15.5	970112	270.98	264.86	319.24	6.92	0.1584	2.3727	3	9	E W
1997 AQ ₁₅	15.5	970112	103.69	275.86	71.08	4.37	0.2704	2.2617	3	12	E W
1997 AR ₁₅	15.5	970112	303.17	235.13	326.95	6.87	0.2518	2.7934	3	9	E W
1997 AS ₁₅	16.0	970112	307.76	101.16	86.67	4.73	0.1795	2.3768	3	9	W
1997 AC ₁₆	17.5	970112	38.91	306.98	119.72	5.79	0.1228	2.2917	9	21	W
1997 AE ₁₆	17.0	970112	326.00	228.12	286.83	3.80	0.0694	2.2911	2	9	E W
1997 AR ₁₆	12.4	970112	339.71	187.65	359.39	18.28	0.1623	3.0272	8	22	N
1997 AO ₁₇	15.5	970112	335.42	52.50	97.45	10.28	0.1412	2.3438	8	11	W
1997 AP ₁₇	14.0	961223	188.50	192.82	95.36	10.74	0.0540	2.9918	37	12	W
1997 AW ₁₇	15.2	970112	308.97	113.59	78.57	2.15	0.1314	2.4019	5	11	N
1997 AD ₁₈	13.5	970112	145.49	203.68	111.50	2.80	0.2160	3.2125	3	10	E W
1997 AE ₁₈	15.0	970112	108.74	62.59	307.17	4.93	0.0199	2.2069	3	9	E W

1997 AH ₁₈	15.5	970112	0.09	6.36	105.52	3.45	0.0989	2.1671	3	13	E M
1997 AQ₁₈	18.0	970112	97.82	36.92	296.37	17.03	0.4590	1.1433	4	35	W
1997 AT ₁₈	12.6	970112	30.19	83.89	352.74	9.24	0.0315	3.1162	12	13	N
1997 AU ₁₈	14.5	970112	306.21	81.37	98.15	7.67	0.0601	2.4180	9	7	N
1997 AV ₁₈	15.6	970112	131.29	226.73	114.06	24.59	0.0926	1.9351	9	7	N
1997 AW ₁₈	14.0	970112	305.71	219.36	324.04	6.09	0.1012	2.3071	9	7	N
1997 AB ₁₉	15.5	970112	223.39	103.42	174.09	2.18	0.1979	2.3699	7	8	W
1997 AN ₂₁	14.0	970112	39.97	117.34	312.02	12.50	0.1604	2.5793	6	12	M
1997 AY ₂₁	15.5	970112	96.82	228.44	120.47	10.35	0.2973	2.5900	3	13	E W
1997 AZ ₂₁	12.6	970112	236.79	245.69	19.83	1.04	0.0984	3.1202	12	10	E N
1997 AA ₂₂	13.5	970112	45.10	72.00	340.72	9.99	0.1148	3.0109	9	6	W
1997 BG	15.5	970112	164.95	191.75	132.07	32.36	0.1606	1.9962	7	19	M
1989 TZ ₁₁ = 1989 RW ₅ = 1989 SQ ₁₄ (S. Nakano, <i>MPC</i> 22572)											
1996 TW ₅₉ = 1996 TJ ₆₆ (G. V. Williams)											
1996 VH ₄ = 1996 XE ₅ (S. Nakano)											

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Goffin					
(77) Frigga						Obs.	494	<i>M</i>	231.16672	ω	60.65115
<i>H</i>	8.52	<i>G</i>	0.16	<i>U</i>	0	Opp.	57	<i>n</i>	0.22578511	Ω	1.46045
rms res.	0".79	(M-v)					1862-1995	<i>e</i>	0.1317821	<i>i</i>	2.43207
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Goffin					
(146) Lucina						Obs.	270	<i>M</i>	55.94224	ω	146.12980
<i>H</i>	8.20	<i>G</i>	0.11	<i>U</i>	0	Opp.	55	<i>n</i>	0.21960851	Ω	84.33934
rms res.	1".03	(M-v)					1875-1993	<i>e</i>	0.0650163	<i>i</i>	13.08328
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Goffin					
(157) Dejanira						Obs.	54	<i>M</i>	40.31077	ω	46.84376
<i>H</i>	10.6	<i>G</i>	0.15	<i>U</i>	1	Opp.	23	<i>n</i>	0.23779896	Ω	62.22462
rms res.	1".00	(M-v)					1875-1993	<i>e</i>	0.1965249	<i>i</i>	12.14979
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Bowell					
(254) Augusta						Obs.	63	<i>M</i>	318.49624	ω	233.13535
<i>H</i>	12.13	<i>G</i>	0.15	<i>U</i>	1	Opp.	19	<i>n</i>	0.30317993	Ω	28.66457
rms res.	0".85	(M-v)					1912-1994	<i>e</i>	0.1215581	<i>i</i>	4.51582
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Goffin					
(375) Ursula						Obs.	207	<i>M</i>	267.36675	ω	347.39929
<i>H</i>	7.47	<i>G</i>	0.27	<i>U</i>	1	Opp.	47	<i>n</i>	0.17851355	Ω	336.78541
rms res.	0".95	(M-v)					1893-1990	<i>e</i>	0.1058460	<i>i</i>	15.94937
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Bowell					
(381) Myrrha						Obs.	66	<i>M</i>	211.40596	ω	134.62022
<i>H</i>	8.25	<i>G</i>	0.15	<i>U</i>	1	Opp.	31	<i>n</i>	0.17086673	Ω	125.50298
rms res.	0".83	(M-v)					1894-1995	<i>e</i>	0.1028329	<i>i</i>	12.52483
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Goffin					
(487) Venetia						Obs.	197	<i>M</i>	136.13806	ω	280.96087
<i>H</i>	8.14	<i>G</i>	0.15	<i>U</i>	1	Opp.	47	<i>n</i>	0.22595992	Ω	115.14052
rms res.	0".98	(M-v)					1902-1996	<i>e</i>	0.0881610	<i>i</i>	10.23595
Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Goffin					
(702) Alauda						Obs.	190	<i>M</i>	70.77262	ω	357.38994
<i>H</i>	7.25	<i>G</i>	0.15	<i>U</i>	1	Opp.	43	<i>n</i>	0.17292111	Ω	290.18047
rms res.	0".90	(M-v)					1910-1996	<i>e</i>	0.0260342	<i>i</i>	20.60321

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(722) Frieda Obs. 27 *M* 279.91606 ω 256.97218
H 12.1 *G* 0.15 *U* 1 Opp. 15 *n* 0.30800899 Ω 45.90834
rms res. 0".83 (M-v) 1912-1993 *e* 0.1450129 *i* 5.64197

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(765) Mattiaca Obs. 48 *M* 142.12331 ω 70.41213
H 12.4 *G* 0.15 *U* 1 Opp. 16 *n* 0.24257067 Ω 327.00850
rms res. 0".93 (M-v) 1921-1996 *e* 0.2817377 *i* 5.56867

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(772) Tanete Obs. 60 *M* 242.95453 ω 142.27667
H 8.33 *G* 0.15 *U* 1 Opp. 20 *n* 0.18962801 Ω 64.16204
rms res. 0".78 (M-v) 1915-1995 *e* 0.0957755 *i* 28.82490

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Goffin**
(779) Nina Obs. 240 *M* 153.51432 ω 49.17788
H 8.3 *G* 0.15 *U* 0 Opp. 41 *n* 0.22625327 Ω 283.98852
rms res. 0".89 (M-v) 1914-1996 *e* 0.2239114 *i* 14.55928

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Goffin**
(965) Angelica Obs. 54 *M* 84.16543 ω 47.63676
H 9.8 *G* 0.15 *U* 1 Opp. 17 *n* 0.17686789 Ω 41.61294
rms res. 1".06 (M-v) 1921-1993 *e* 0.2876257 *i* 21.49053

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Goffin**
(989) Schwassmannia Obs. 32 *M* 20.15291 ω 165.51066
H 11.8 *G* 0.15 *U* 3 Opp. 13 *n* 0.22732927 Ω 243.63934
rms res. 0".99 (M-v) 1922-1995 *e* 0.2523772 *i* 14.72432

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1008) La Paz Obs. 36 *M* 125.78274 ω 21.53381
H 10.4 *G* 0.15 *U* 1 Opp. 14 *n* 0.18142875 Ω 20.82898
rms res. 0".75 (M-v) 1923-1996 *e* 0.0816077 *i* 8.94707

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1122) Neith Obs. 49 *M* 49.99763 ω 328.80643
H 11.1 *G* 0.15 *U* 1 Opp. 11 *n* 0.23429432 Ω 63.51224
rms res. 0".80 (M-v) 1924-1995 *e* 0.2587524 *i* 4.74621

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Goffin**
(1165) Imprinetta Obs. 62 *M* 303.15118 ω 98.83134
H 10.3 *G* 0.15 *U* 1 Opp. 17 *n* 0.17845078 Ω 203.97134
rms res. 0".89 (M-v) 1909-1996 *e* 0.2126540 *i* 12.79862

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1279) Uganda Obs. 71 *M* 130.38514 ω 297.14499
H 12.51 *G* 0.15 *U* 1 Opp. 19 *n* 0.27000302 Ω 335.84182
rms res. 0".83 (M-v) 1933-1996 *e* 0.2087592 *i* 5.73364

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1391) Carelia Obs. 74 *M* 305.03232 ω 83.76183
H 12.07 *G* 0.15 *U* 1 Opp. 13 *n* 0.24265326 Ω 103.88887
rms res. 0".68 (M-v) 1936-1995 *e* 0.1691808 *i* 7.58058

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1432) Ethiopia Obs. 47 *M* 28.47633 ω 218.17501
H 11.7 *G* 0.15 *U* 1 Opp. 15 *n* 0.26817792 Ω 123.53368
rms res. 0".94 (M-v) 1937-1994 *e* 0.2265296 *i* 8.27140

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1435) Garlena Obs. 65 *M* 319.58111 ω 267.31305
H 12.8 *G* 0.15 *U* 1 Opp. 13 *n* 0.22900796 Ω 189.85381
rms res. 0".85 (M-v) 1936-1996 *e* 0.2491162 *i* 4.03511

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Goffin**
(1718) Namibia Obs. 78 *M* 328.65858 ω 133.37473
H 13.5 *G* 0.15 *U* 1 Opp. 13 *n* 0.27082289 Ω 203.13919
rms res. 0".87 (M-v) 1942-1996 *e* 0.2769450 *i* 7.70041

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1758) Naantali Obs. 44 *M* 111.87217 ω 117.93559
H 10.9 *G* 0.15 *U* 1 Opp. 13 *n* 0.18927864 Ω 113.94107
rms res. 0".87 (M-v) 1942-1995 *e* 0.0387897 *i* 10.83199

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1779) Paraná Obs. 51 *M* 170.13059 ω 10.74488
H 14.2 *G* 0.15 *U* 1 Opp. 12 *n* 0.30708386 Ω 254.93443
rms res. 0".79 (M-v) 1950-1994 *e* 0.1603890 *i* 0.89453

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1788) Kiess Obs. 74 *M* 40.25410 ω 142.53966
H 11.9 *G* 0.15 *U* 1 Opp. 18 *n* 0.18006254 Ω 161.95341
rms res. 0".92 (M-v) 1952-1996 *e* 0.1663464 *i* 0.66601

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1827) Atkinson Obs. 52 *M* 164.65354 ω 238.79736
H 12.39 *G* 0.15 *U* 1 Opp. 15 *n* 0.22094758 Ω 221.15394
rms res. 0".93 (M-v) 1931-1995 *e* 0.1801792 *i* 4.51103

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1899) Crommelin Obs. 28 *M* 353.58994 ω 127.72833
H 13.3 *G* 0.15 *U* 1 Opp. 10 *n* 0.28913087 Ω 52.34447
rms res. 0".82 (M-v) 1971-1995 *e* 0.1057502 *i* 7.27913

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(1925) Franklin-Adams Obs. 35 *M* 92.23586 ω 242.35843
H 12.0 *G* 0.15 *U* 1 Opp. 10 *n* 0.24161591 Ω 113.75823
rms res. 0".82 (M-v) 1934-1994 *e* 0.1762839 *i* 7.71942

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Forti**
(1962) Dunant Obs. 42 *M* 30.39394 ω 8.80656
H 11.9 *G* 0.15 *U* 1 Opp. 12 *n* 0.17218878 Ω 15.73810
rms res. 0".84 (M-v) 1927-1996 *e* 0.2221671 *i* 1.56726

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 **Bowell**
(2088) Sahlia Obs. 70 *M* 172.24730 ω 90.50361
H 12.42 *G* 0.15 *U* 1 Opp. 11 *n* 0.30053885 Ω 359.95398
rms res. 0".71 (M-v) 1948-1994 *e* 0.0793222 *i* 5.54235

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Forti
(2114) Wallenquist Obs. 75 *M* 217.25541 ω 218.95234
H 11.1 *G* 0.15 *U* 1 Opp. 15 *n* 0.17288595 Ω 1.57843
rms res. 0".74 (M-v) 1953-1996 *e* 0.1518379 *i* 0.56271

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2129) Cosicosi Obs. 18 *M* 57.68288 ω 318.13553
H 13.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.30595974 Ω 58.65888
rms res. 0".89 (M-v) 1973-1996 *e* 0.1729824 *i* 5.51782

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2399) Terradas Obs. 29 *M* 181.59238 ω 159.50337
H 13.2 *G* 0.15 *U* 1 Opp. 8 *n* 0.29398794 Ω 146.39239
rms res. 0".80 (M-v) 1950-1995 *e* 0.1692330 *i* 5.12433

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2409) Chapman Obs. 75 *M* 23.51032 ω 207.53359
H 13.2 *G* 0.15 *U* 1 Opp. 10 *n* 0.28895879 Ω 140.88593
rms res. 0".68 (M-v) 1971-1996 *e* 0.1907901 *i* 3.51019

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2511) Patterson Obs. 30 *M* 238.61954 ω 190.04270
H 12.5 *G* 0.15 *U* 1 Opp. 9 *n* 0.28279261 Ω 85.73218
rms res. 0".86 (M-v) 1974-1996 *e* 0.1038493 *i* 8.05275

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2559) Svoboda Obs. 50 *M* 49.08695 ω 86.82460
H 12.4 *G* 0.15 *U* 1 Opp. 9 *n* 0.21169797 Ω 350.75354
rms res. 0".85 (M-v) 1930-1996 *e* 0.1547337 *i* 8.88385

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2567) Elba Obs. 50 *M* 250.05794 ω 191.76805
H 11.8 *G* 0.15 *U* 1 Opp. 9 *n* 0.21779466 Ω 142.95409
rms res. 0".78 (M-v) 1979-1995 *e* 0.1415443 *i* 8.91381

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2657) Bashkiria Obs. 28 *M* 320.94471 ω 11.91517
H 11.6 *G* 0.15 *U* 1 Opp. 9 *n* 0.17368302 Ω 50.49311
rms res. 0".68 (M-v) 1968-1996 *e* 0.1448692 *i* 2.24506

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2659) Millis Obs. 76 *M* 30.49349 ω 330.58297
H 11.2 *G* 0.15 *U* 1 Opp. 12 *n* 0.17896871 Ω 157.39315
rms res. 0".80 (M-v) 1958-1994 *e* 0.1176483 *i* 1.31323

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2667) Oikawa Obs. 42 *M* 55.88845 ω 298.66585
H 12.2 *G* 0.15 *U* 1 Opp. 9 *n* 0.16963326 Ω 61.12074
rms res. 0".91 (M-v) 1967-1995 *e* 0.1809607 *i* 2.23559

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams
(2743) Chengdu Obs. 24 *M* 85.22394 ω 137.22864
H 12.6 *G* 0.15 *U* 2 Opp. 7 *n* 0.22790785 Ω 252.46834
rms res. 1".00 (M-v) 1965-1997 *e* 0.1756733 *i* 12.28892

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams
(2750) Loviisa Obs. 35 *M* 336.20011 ω 81.92215
H 13.1 *G* 0.15 *U* 2 Opp. 11 *n* 0.29948362 Ω 45.95069
rms res. 0".92 (M-v) 1940-1997 *e* 0.0756890 *i* 5.17673

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Forti
(2751) Campbell Obs. 45 *M* 345.14031 ω 201.80986
H 12.7 *G* 0.15 *U* 1 Opp. 9 *n* 0.26398051 Ω 246.69798
rms res. 0".66 (M-v) 1962-1996 *e* 0.1729200 *i* 1.48249

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2837) Griboedov Obs. 42 *M* 337.70783 ω 1.60825
H 11.9 *G* 0.15 *U* 1 Opp. 14 *n* 0.19927535 Ω 62.12916
rms res. 0".88 (M-v) 1971-1996 *e* 0.0584499 *i* 2.88950

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(2979) Murmansk Obs. 22 *M* 125.42897 ω 195.89591
H 12.1 *G* 0.15 *U* 1 Opp. 7 *n* 0.17770224 Ω 149.03346
rms res. 1".06 (M-v) 1976-1994 *e* 0.1450272 *i* 11.35028

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3029) Sanders Obs. 60 *M* 204.05102 ω 268.41409
H 13.0 *G* 0.15 *U* 1 Opp. 11 *n* 0.29403814 Ω 313.97551
rms res. 0".90 (M-v) 1944-1995 *e* 0.1116183 *i* 3.42617

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3035) Chambers Obs. 58 *M* 330.89955 ω 28.51512
H 12.4 *G* 0.15 *U* 1 Opp. 12 *n* 0.23053071 Ω 180.35392
rms res. 0".86 (M-v) 1924-1994 *e* 0.1308927 *i* 2.58428

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3053) Dresden Obs. 52 *M* 91.27323 ω 316.23276
H 12.9 *G* 0.15 *U* 1 Opp. 9 *n* 0.26848720 Ω 7.00362
rms res. 0".89 (M-v) 1955-1992 *e* 0.2062378 *i* 4.61799

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3105) Stumpff Obs. 79 *M* 69.02856 ω 198.36334
H 13.1 *G* 0.15 *U* 1 Opp. 12 *n* 0.28969025 Ω 140.64582
rms res. 0".82 (M-v) 1931-1994 *e* 0.1935085 *i* 6.47622

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3290) Azabu Obs. 41 *M* 149.45251 ω 112.99488
H 11.8 *G* 0.15 *U* 1 Opp. 10 *n* 0.12470859 Ω 75.29917
rms res. 0".86 (M-v) 1954-1996 *e* 0.1248236 *i* 2.77064

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3329) Golay Obs. 90 *M* 340.46971 ω 72.01742
H 11.4 *G* 0.15 *U* 1 Opp. 8 *n* 0.18999559 Ω 12.21389
rms res. 0".78 (M-v) 1959-1993 *e* 0.0859637 *i* 10.40588

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowen
(3340) Yinhai Obs. 22 *M* 81.27134 ω 282.95047
H 13.7 *G* 0.15 *U* 1 Opp. 9 *n* 0.29524736 Ω 35.85199
rms res. 0".95 (M-v) 1939-1994 *e* 0.1942131 *i* 5.60515

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams
(3447) Burckhalter Obs. 18 *M* 300.50699 ω 163.26804
H 12.6 *G* 0.15 *U* 2 Opp. 7 *n* 0.35083804 Ω 0.82467
rms res. 0".84 (M-v) 1942-1997 *e* 0.0288061 *i* 20.71275

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3456) 1985 RS₂ Obs. 60 *M* 271.29353 ω 165.05911
H 13.7 *G* 0.15 *U* 1 Opp. 10 *n* 0.30957869 Ω 78.42494
rms res. 0".78 (M-v) 1931-1995 *e* 0.0147193 *i* 1.78051

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3485) Barucci Obs. 51 *M* 189.26521 ω 339.32968
H 12.6 *G* 0.15 *U* 1 Opp. 9 *n* 0.25855392 Ω 315.81954
rms res. 0".78 (M-v) 1982-1995 *e* 0.1655936 *i* 1.80961

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3598) Saucier Obs. 26 *M* 170.60410 ω 69.50697
H 11.6 *G* 0.15 *U* 1 Opp. 9 *n* 0.17452091 Ω 161.73687
rms res. 0".90 (M-v) 1977-1996 *e* 0.1079852 *i* 0.77522

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3610) Decampos Obs. 46 *M* 359.23965 ω 37.80722
H 13.9 *G* 0.15 *U* 1 Opp. 9 *n* 0.31296325 Ω 116.04447
rms res. 0".73 (M-v) 1950-1994 *e* 0.0467485 *i* 2.07703

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3749) Balam Obs. 39 *M* 175.18076 ω 173.46082
H 13.4 *G* 0.15 *U* 1 Opp. 10 *n* 0.29442870 Ω 295.96595
rms res. 0".88 (M-v) 1954-1994 *e* 0.1091007 *i* 5.38379

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3754) Kathleen Obs. 28 *M* 223.65333 ω 60.00697
H 10.0 *G* 0.15 *U* 1 Opp. 11 *n* 0.17561076 Ω 110.70497
rms res. 0".90 (M-v) 1929-1993 *e* 0.1076531 *i* 8.46308

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3797) Ching-Sung Yu Obs. 44 *M* 202.54746 ω 254.36715
H 12.6 *G* 0.15 *U* 1 Opp. 10 *n* 0.17103396 Ω 182.63042
rms res. 0".74 (M-v) 1958-1995 *e* 0.1575009 *i* 0.81489

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams
(3827) Zdenekhorský Obs. 19 *M* 102.48717 ω 33.63429
H 12.3 *G* 0.15 *U* 2 Opp. 5 *n* 0.21706714 Ω 333.91984
rms res. 0".73 (M-v) 1963-1997 *e* 0.1267235 *i* 4.09854

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3905) Doppler Obs. 60 *M* 291.60148 ω 90.06764
H 12.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.24063284 Ω 343.72104
rms res. 0".80 (M-v) 1980-1994 *e* 0.2583597 *i* 14.16708

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3909) Gladys Obs. 21 *M* 346.71752 ω 26.33849
H 12.1 *G* 0.15 *U* 1 Opp. 9 *n* 0.23349424 Ω 218.84349
rms res. 0".96 (M-v) 1951-1994 *e* 0.1172221 *i* 13.14007

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(3934) 1987 DF₁ Obs. 48 *M* 42.61139 ω 95.30598
H 13.1 *G* 0.15 *U* 1 Opp. 5 *n* 0.23568136 Ω 157.73566
rms res. 0".56 (M-v) 1980-1991 *e* 0.1426556 *i* 13.12874

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4005) Dyagilev Obs. 37 *M* 139.83045 ω 265.54669
H 12.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.25670816 Ω 74.43735
rms res. 0".78 (M-v) 1949-1995 *e* 0.1493275 *i* 6.83336

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Williams
(4006) Sandler Obs. 37 *M* 27.96033 ω 122.56567
H 12.5 *G* 0.15 *U* 2 Opp. 9 *n* 0.24688872 Ω 294.45143
rms res. 1".02 (M-v) 1965-1997 *e* 0.1822765 *i* 2.38040

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4009) Drobyshevskij Obs. 64 *M* 146.60660 ω 180.94012
H 12.5 *G* 0.15 *U* 1 Opp. 11 *n* 0.17803199 Ω 72.61264
rms res. 0".82 (M-v) 1963-1996 *e* 0.1449836 *i* 2.30056

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4336) Jasiewicz Obs. 49 *M* 126.02562 ω 32.62806
H 13.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.27693041 Ω 348.33706
rms res. 0".74 (M-v) 1977-1996 *e* 0.2259054 *i* 7.95185

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4400) Bagryana Obs. 59 *M* 349.05002 ω 26.39311
H 13.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.27046914 Ω 352.40048
rms res. 0".68 (M-v) 1955-1996 *e* 0.1381069 *i* 4.39114

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4473) 1981 DE₂ Obs. 39 *M* 42.53578 ω 174.57657
H 12.7 *G* 0.15 *U* 1 Opp. 7 *n* 0.18806625 Ω 319.96542
rms res. 0".88 (M-v) 1979-1996 *e* 0.0393819 *i* 8.79583

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4640) Hara Obs. 24 *M* 155.90173 ω 137.68713
H 13.1 *G* 0.15 *U* 1 Opp. 6 *n* 0.29147917 Ω 347.98903
rms res. 0".72 (M-v) 1938-1995 *e* 0.1072965 *i* 4.21317

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4644) Oumu Obs. 14 *M* 253.48923 ω 205.20929
H 12.1 *G* 0.15 *U* 1 Opp. 5 *n* 0.23394929 Ω 48.40230
rms res. 0".88 (M-v) 1951-1991 *e* 0.1404248 *i* 14.13513

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Forti
(4814) Casacci Obs. 36 *M* 77.38078 ω 194.22152
H 12.7 *G* 0.15 *U* 1 Opp. 9 *n* 0.17077933 Ω 134.34254
rms res. 0".53 (M-v) 1953-1996 *e* 0.1991613 *i* 1.43629

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Bowell
(4848) Tutenchamun Obs. 42 *M* 338.04482 ω 312.43392
H 11.6 *G* 0.15 *U* 1 Opp. 9 *n* 0.17657282 Ω 132.78659
rms res. 0".73 (M-v) 1923-1993 *e* 0.1216387 *i* 6.37272

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(4861) Nemirovskij Obs. 27 *M* 325.23433 ω 232.62161
H 12.8 *G* 0.15 *U* 1 Opp. 7 *n* 0.20060403 Ω 97.18594
rms res. 0".79 (M-v) 1956-1996 *e* 0.2266033 *i* 3.54488

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(4969) Lawrence Obs. 24 *M* 32.64635 ω 245.05010
H 12.6 *G* 0.15 *U* 1 Opp. 5 *n* 0.21533337 Ω 186.85897
rms res. 0".73 (M-v) 1977-1993 *e* 0.3626834 *i* 31.46049

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(4981) Sinyavskaya Obs. 37 *M* 236.63087 ω 299.11444
H 12.0 *G* 0.15 *U* 1 Opp. 7 *n* 0.20241473 Ω 50.36557
rms res. 0".61 (M-v) 1974-1996 *e* 0.0815917 *i* 2.71011

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(4986) Osipovia Obs. 39 *M* 4.69795 ω 233.62727
H 13.3 *G* 0.15 *U* 2 Opp. 6 *n* 0.23969962 Ω 214.63735
rms res. 0".75 (M-v) 1979-1997 *e* 0.2109731 *i* 5.62056

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(4993) 1983 GR Obs. 26 *M* 255.83811 ω 184.73090
H 13.0 *G* 0.15 *U* 1 Opp. 5 *n* 0.27016502 Ω 36.84091
rms res. 0".84 (M-v) 1983-1994 *e* 0.0594489 *i* 6.93397

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5048) Moriarty Obs. 40 *M* 224.77136 ω 271.82278
H 13.2 *G* 0.15 *U* 1 Opp. 8 *n* 0.23184327 Ω 302.27663
rms res. 0".77 (M-v) 1951-1995 *e* 0.1772473 *i* 1.38945

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5055) 1986 PB₅ Obs. 29 *M* 341.53438 ω 175.65041
H 12.0 *G* 0.15 *U* 1 Opp. 9 *n* 0.18150574 Ω 132.93280
rms res. 0".82 (M-v) 1975-1996 *e* 0.1743176 *i* 2.90229

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5072) Hioki Obs. 23 *M* 43.31325 ω 2.34711
H 12.2 *G* 0.15 *U* 1 Opp. 6 *n* 0.19851184 Ω 11.41214
rms res. 0".70 (M-v) 1931-1996 *e* 0.0830353 *i* 2.02292

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5136) 1990 UG₂ Obs. 25 *M* 52.25753 ω 291.02798
H 11.6 *G* 0.15 *U* 1 Opp. 6 *n* 0.18753283 Ω 109.47460
rms res. 0".88 (M-v) 1954-1993 *e* 0.1104973 *i* 11.16588

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5252) 1985 PZ₁ Obs. 26 *M* 62.21180 ω 145.60745
H 13.3 *G* 0.15 *U* 1 Opp. 5 *n* 0.26958393 Ω 144.14540
rms res. 0".73 (M-v) 1978-1992 *e* 0.1471595 *i* 8.59343

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5285) Krethon Obs. 33 *M* 334.93954 ω 255.74157
H 9.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.08517771 Ω 144.30695
rms res. 0".87 (M-v) 1956-1996 *e* 0.0505312 *i* 25.23291

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5453) 1975 VS₅ Obs. 25 *M* 80.87873 ω 245.47589
H 14.0 *G* 0.15 *U* 1 Opp. 8 *n* 0.29095396 Ω 167.30627
rms res. 0".89 (M-v) 1975-1995 *e* 0.1564790 *i* 6.33189

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5494) 1933 UM₁ Obs. 22 *M* 34.09267 ω 61.23380
H 12.4 *G* 0.15 *U* 1 Opp. 6 *n* 0.20483666 Ω 323.34746
rms res. 0".60 (M-v) 1933-1995 *e* 0.0779118 *i* 1.14917

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5504) Lanzerotti Obs. 20 *M* 264.56452 ω 132.94781
H 12.8 *G* 0.15 *U* 1 Opp. 7 *n* 0.23321892 Ω 60.37820
rms res. 0".53 (M-v) 1949-1996 *e* 0.0751001 *i* 13.69145

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5557) Chimikeppuko Obs. 43 *M* 259.43952 ω 221.80407
H 12.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.24322931 Ω 10.92364
rms res. 0".68 (M-v) 1954-1995 *e* 0.1517705 *i* 5.94981

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5698) Nolde Obs. 31 *M* 210.61050 ω 154.86714
H 11.8 *G* 0.15 *U* 1 Opp. 6 *n* 0.17962680 Ω 74.26495
rms res. 0".78 (M-v) 1971-1996 *e* 0.1247875 *i* 1.56402

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5699) Munch Obs. 51 *M* 24.15754 ω 148.12491
H 13.9 *G* 0.15 *U* 1 Opp. 4 *n* 0.26439501 Ω 257.91073
rms res. 0".70 (M-v) 1977-1992 *e* 0.1729371 *i* 4.32386

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5861) Glynjones Obs. 28 *M* 113.44882 ω 353.58332
H 14.3 *G* 0.15 *U* 2 Opp. 6 *n* 0.29715061 Ω 327.02157
rms res. 0".93 (M-v) 1972-1997 *e* 0.1875536 *i* 2.12241

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5864) Montgolfier Obs. 27 *M* 98.99026 ω 157.34790
H 14.3 *G* 0.15 *U* 2 Opp. 5 *n* 0.24067138 Ω 149.46554
rms res. 0".73 (M-v) 1983-1996 *e* 0.3181006 *i* 8.22628

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(5964) 1990 QN₄ Obs. 34 *M* 29.08992 ω 211.90528
H 12.0 *G* 0.15 *U* 1 Opp. 7 *n* 0.18316094 Ω 173.32433
rms res. 0".86 (M-v) 1915-1994 *e* 0.2990726 *i* 3.36911

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6008) 1990 BF₂ Obs. 44 *M* 29.75407 ω 40.72394
H 13.5 *G* 0.15 *U* 1 Opp. 6 *n* 0.29844668 Ω 78.68326
rms res. 0".70 (M-v) 1988-1995 *e* 0.0400396 *i* 4.15652

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6023) Tsuyashima Obs. 34 *M* 28.84323 ω 292.60969
H 12.9 *G* 0.15 *U* 1 Opp. 5 *n* 0.27228207 Ω 124.78482
rms res. 0".56 (M-v) 1952-1994 *e* 0.1465909 *i* 7.09221

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6034) 1987 JA Obs. 32 *M* 358.34796 ω 69.74010
H 14.4 *G* 0.15 *U* 1 Opp. 5 *n* 0.27575216 Ω 29.47998
rms res. 0".82 (M-v) 1983-1994 *e* 0.1706044 *i* 3.53145

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6039) Parmenides Obs. 36 *M* 45.41747 ω 169.47539
H 11.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.15673472 Ω 186.50069
rms res. 0".73 (M-v) 1989-1996 *e* 0.0659362 *i* 13.15219

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6569) 1993 MO Obs. 156 *M* 221.34372 ω 167.09619
H 16.5 *G* 0.15 *U* 2 Opp. 4 *n* 0.47523084 Ω 111.58877
rms res. 0".65 (M-v) 1983-1997 *e* 0.2208197 *i* 22.63706

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6636) 1988 RK_s Obs. 43 *M* 105.21700 ω 214.83776
H 13.9 *G* 0.15 *U* 1 Opp. 7 *n* 0.28792792 Ω 178.79302
rms res. 0".77 (M-v) 1971-1995 *e* 0.1177452 *i* 2.34356

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6659) 1992 YN Obs. 32 *M* 55.87853 ω 159.47487
H 13.1 *G* 0.15 *U* 1 Opp. 5 *n* 0.26985775 Ω 259.13783
rms res. 0".64 (M-v) 1977-1995 *e* 0.1087905 *i* 5.21018

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6725) 1991 DS Obs. 36 *M* 37.55313 ω 4.53556
H 12.0 *G* 0.15 *U* 1 Opp. 7 *n* 0.17717241 Ω 116.80564
rms res. 0".81 (M-v) 1978-1996 *e* 0.1299851 *i* 2.33667

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6734) 1992 FB Obs. 32 *M* 144.44353 ω 310.64032
H 11.2 *G* 0.15 *U* 1 Opp. 7 *n* 0.19006617 Ω 58.60296
rms res. 0".81 (M-v) 1950-1996 *e* 0.1154029 *i* 11.36270

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(6893) 1983 RS₃ Obs. 46 *M* 139.09894 ω 105.03943
H 13.2 *G* 0.15 *U* 1 Opp. 5 *n* 0.26756246 Ω 314.71288
rms res. 0".85 (M-v) 1983-1996 *e* 0.0918509 *i* 5.79224

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7010) Locke Obs. 33 *M* 196.19387 ω 38.81095
H 14.0 *G* 0.15 *U* 1 Opp. 6 *n* 0.28561740 Ω 356.21502
rms res. 0".69 (M-v) 1984-1996 *e* 0.1406056 *i* 6.30938

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7039) 1996 GO₂ Obs. 29 *M* 313.14979 ω 152.04100
H 14.2 *G* 0.15 *U* 1 Opp. 7 *n* 0.26562660 Ω 186.20721
rms res. 0".87 (M-v) 1952-1996 *e* 0.1450299 *i* 6.55128

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7092) 1992 LC Obs. 211 *M* 55.42697 ω 89.68083
H 15.4 *G* 0.15 *U* 1 Opp. 4 *n* 0.24642104 Ω 61.94352
rms res. 0".65 (M-v) 1980-1996 *e* 0.7048314 *i* 17.83616

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7204) 1995 GH Obs. 42 *M* 250.14612 ω 234.98691
H 14.0 *G* 0.15 *U* 1 Opp. 5 *n* 0.22594059 Ω 172.50598
rms res. 0".52 (M-v) 1980-1996 *e* 0.1219338 *i* 4.84706

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7319) 1976 SA₆ Obs. 50 *M* 93.35041 ω 236.34247
H 14.3 *G* 0.15 *U* 1 Opp. 7 *n* 0.29288809 Ω 32.46365
rms res. 0".58 (M-v) 1976-1996 *e* 0.1080237 *i* 2.56482

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7347) 1993 EW Obs. 24 *M* 201.73646 ω 13.76100
H 12.7 *G* 0.15 *U* 1 Opp. 6 *n* 0.18235268 Ω 206.47135
rms res. 0".75 (M-v) 1977-1996 *e* 0.1237979 *i* 0.49348

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5
(7352) 1994 CO Obs. 44 *M* 320.58939 ω 126.03161
H 9.0 *G* 0.15 *U* 2 Opp. 6 *n* 0.08341460 Ω 130.31853
rms res. 0".75 (M-v) 1988-1996 *e* 0.0384788 *i* 8.16071

(7368)* 1966 BB = 1966 CE = 1983 CV₂ = 1993 BP₄

Discovered 1966 Jan. 20 at the Goethe Link Observatory, Indiana University.

Id. H. Oishi (d, *MPC* 16995), B. G. Marsden (*MPC* 21782)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Marsden
M 20.76520 (2000.0) **P** **Q**
n 0.29296628 ω 36.69404 -0.96820368 -0.23343931
a 2.2452134 Ω 129.55752 +0.19270639 -0.92520095
e 0.1346268 *i* 6.69853 +0.15951767 -0.29918104
P 3.36 *H* 14.0 *G* 0.15 *U* 2

Residuals in seconds of arc

660120 760	0.9+ 0.5-	930128 010	1.6- 0.4+	930220 010	1.1+ 1.1+
660120 760	(3.0+ 1.0-)	930128 010	1.8- 0.5+	930220 010	0.9+ 0.6+
660213 330	1.0- 2.1-	930129 691	0.4- 0.5+	930222 010	(2.1+ 2.3-)
660216 330	0.2- 0.4-	930129 691	0.4- 0.4+	930223 010	(1.7+ 2.7-)
830215 688	(2.4+ 3.2-)	930129 691	0.4- 0.4+	951118 801	0.0 0.2+
830215 688	(3.0+ 1.8-)	930210 894	1.9+ 1.0+	951118 801	0.1+ 0.2+
881007 675	0.1- 0.3+	930210 894	(3.6+ 1.1+)	951122 801	0.2- 0.1+
881007 675	0.1+ 0.6-	930211 894	0.2+ 0.5-	951122 801	0.1- 0.4+
911006 675	1.3+ 0.2+	930211 894	0.8+ 0.9-	951124 372	1.3+ 0.1+
911006 675	1.0- 1.4-	930214 385	0.8+ 0.8-	951124 372	(9.6+ 0.8+)
930127 010	1.0- 1.4-	930214 385	1.5+ 1.2-	951127 372	1.6- 0.1+
930127 010	1.2- 0.2-	930215 385	0.7+ 0.1-	951127 372	0.9- 0.4+
930127 010	1.1- 0.5-	930215 385	0.1- 0.3+	951223 801	0.7+ 0.3+
930128 010	1.1- 1.0+	930220 010	1.2+ 1.0+	951223 801	0.5+ 0.3+

(7369)* 1975 AN = 1975 AX = 1985 YU = 1986 AG

Discovered 1975 Jan. 13 by T. M. Smirnova at the Crimean Astrophysical

Observatory.

Id. B. G. Marsden (d, *MPC* 9064; *MPC* 10527); F. N. Bowman (d, *MPC* 20921)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5 Marsden
M 32.01142 (2000.0) **P** **Q**
n 0.26995638 ω 112.71136 +0.78892659 -0.49285696
a 2.3710478 Ω 278.62958 +0.33193073 +0.84441515
e 0.3180442 *i* 21.78961 +0.51712361 +0.20989299
P 3.65 *H* 12.9 *G* 0.15 *U* 2

Residuals in seconds of arc

750104 330	0.2+	1.5+	860207 675	0.1-	0.9+	961112 801	1.0+	0.1+
750113 095	(1.5+	3.3+)	900302 474	(2.4-	0.8-)	961209 801	0.4+	0.9-
750116 095	(0.3-	10.3-)	900302 474	1.4-	1.3-	961209 801	0.5+	1.0-
851217 675	(8.1-	0.2-)	920826 801	0.2+	0.2-	961210 801	0.9+	0.2-
851218 688	0.1-	0.1-	920826 801	0.2+	0.1-	961210 801	0.8+	0.2+
851218 688	1.5+	1.4-	920901 801	0.0	0.5-	961229 689	0.1-	1.4+
851218 675	(1.2-	3.2+)	920901 801	0.5+	0.0	961230 689	0.6-	1.9+
860110 675	0.0	0.8+	920925 801	0.0	0.1-	970102 886	0.7-	0.1-
860116 675	0.4-	0.7-	920925 801	0.0	0.1-	970102 886	0.7-	0.1+
860205 675	1.0-	2.2-	920929 801	0.0	0.3-	970103 886	0.5-	1.3-
860206 675	0.7+	1.8+	920929 801	0.1+	0.3-	970103 886	0.9-	0.8-

(7370)* 1978 SM₅ = 1980 BC₆ = 1989 CO₁

Discovered 1978 Sept. 27 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Id. T. Kobayashi (*MPC* 14471)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

M	172.99760		(2000.0)	$\mathbf{P}$	$\mathbf{Q}$
n	0.22545146	ω	205.90313	-0.23337476	+0.97087122
a	2.6736261	Ω	50.65011	-0.87950857	-0.18695072
e	0.0325123	i	4.02441	-0.41472991	-0.14986159
P	4.37	H	13.0	G	0.15
				U	1

Residuals in seconds of arc

780927 095	1.0-	0.5+	910912 675	0.2+	0.8-	930120 801	0.2-	0.4-
781003 095	0.1+	0.4+	910914 675	(2.7+	1.4-)	930127 801	0.4+	0.7-
781007 095	1.8+	0.3-	910914 675	0.2+	1.2-	930127 801	0.8+	0.2-
800123 095	0.9-	1.7+	911005 691	0.9-	0.9+	940509 033	1.0+	0.0
890207 400	0.8+	0.4+	911005 691	1.3-	0.9+	940509 033	(1.8+	3.5-)
890207 400	1.9+	0.8-	911005 691	1.3-	1.0+	940511 033	0.5+	0.5+
890207 400	1.6-	1.1+	911011 801	0.5+	1.0+	940511 033	0.4-	0.1-
890212 400	1.2+	0.6-	911011 801	0.5+	0.9+	940513 033	1.0-	0.9+
890212 400	0.1-	2.0+	911109 675	1.4-	0.2-	940515 033	0.4+	0.0
890309 675	0.6-	0.5+	911109 675	0.4+	0.8-	961111 689	1.1-	1.1+
890309 675	0.7-	0.9-	911110 675	0.3-	0.1-	961201 689	0.7+	1.0-
890310 675	0.3-	0.9-	911110 675	0.3+	0.2+			
910912 675	1.7+	1.0-	930120 801	0.0	0.7-			

(7371)* 1978 VA₆ = 1978 WX₁₁ = 1992 EC₁₁

Discovered 1978 Nov. 7 by E. F. Helin and S. J. Bus at Palomar.

Id. H. Oishi (d, *JAM* 2062), G. V. Williams (*MPC* 23856)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

M	208.30235		(2000.0)	$\mathbf{P}$	$\mathbf{Q}$
n	0.17070434	ω	199.63414	-0.15513289	+0.98738810
a	3.2183974	Ω	61.45243	-0.90149871	-0.12841177
e	0.1417112	i	2.06155	-0.40402210	-0.09260217
P	5.77	H	13.5	G 0.15	U 1

Residuals in seconds of arc

781105 675	0.5-	1.4-	920308 809	0.4-	1.0+	951119 691	0.9-	0.1-
781106 675	2.1+	1.7-	920309 809	0.9+	1.1+	951127 691	0.7-	0.0
781107 675	0.8-	0.9+	920406 809	0.0	0.7+	951127 691	0.9-	0.3-
781129 675	0.1+	0.0	951111 608	0.7+	0.0	951127 691	0.8-	0.2-
781130 675	0.3-	1.2-	951111 608	0.1+	0.1+	951209 608	0.8+	0.2+

880816 675	0.8+	0.2-	951113 608	1.0+	0.7+	951209 608	0.7+	0.2-
880816 675	0.5+	0.2-	951113 608	1.2+	0.7+	951214 608	0.5+	0.4-
880911 675	0.8-	0.9-	951114 608	0.7+	0.0	951214 608	0.6+	0.2-
880911 675	0.7-	1.0+	951114 608	0.7+	0.1-	951215 608	1.2+	0.5+
880912 675	0.9-	0.7+	951116 691	1.0-	0.0	951215 608	0.6+	0.7+
880912 675	0.4+	1.1+	951116 691	0.7-	0.1+	951215 608	0.1+	0.4+
920225 675	0.1+	0.5-	951116 691	0.9-	0.0	951216 608	1.4-	0.6+
920225 675	0.6+	1.1-	951119 691	1.0-	0.3-	951216 608	0.1-	0.8+
920306 809	0.3-	0.8+	951119 691	1.0-	0.1-	951216 608	0.4-	0.3+

(7372)* 1979 HH = 1971 TH₁ = 1972 YM = 1983 CN₅ = 1990 RN₄

Discovered 1979 Apr. 19 by J. C. Muzzio at Cerro Tololo.

Id. K. Kinoshita (*MPC* 25060)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

M	165.47271		(2000.0)	P	Q
n	0.20521048	ω	150.64045	+0.37469206	+0.92665727
a	2.8466650	Ω	141.34270	-0.85979421	+0.35947652
e	0.0330437	i	2.77131	-0.34692907	+0.10992246
P	4.80	H	12.5	G 0.15	U 1

Residuals in seconds of arc

550416 675	0.2+	0.2+	880216 675	0.5-	0.4-	951024 801	0.4+	0.1+
550416 675	0.2+	0.4+	880216 675	1.5-	0.6+	951118 801	0.1+	0.5-
711011 095	0.6-	1.1-	880318 675	0.9-	0.8+	951118 801	0.0	0.3-
721229 095	0.2+	0.4-	880318 675	1.5-	0.7+	951222 801	0.4+	0.2+
790419 807	0.4+	1.1-	900914 675	0.9-	0.6-	961209 801	0.1+	1.2-
790424 095	0.3-	0.2-	900914 675	0.1+	0.2-	961229 689	0.5+	0.2+
790426 807	0.2-	1.5-	900918 675	0.3+	0.5-	961230 689	1.1+	0.2+
790426 807	0.5+	1.5-	900918 675	0.8+	0.7-			
830214 381	1.4+	1.3-	951024 801	0.1+	0.0			

(7373)* 1979 QX₉ = 1977 EN₇ = 1990 RA₁

Discovered 1979 Aug. 27 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. H. Kaneda (*MPC* 17627)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

M	58.13824		(2000.0)	P	Q
n	0.17697347	ω	118.60603	+0.80679466	+0.59072516
a	3.1419356	Ω	205.19053	-0.55087625	+0.74522628
e	0.1772572	i	1.51213	-0.21358308	+0.30932439
P	5.57	H	12.8	G 0.15	U 2

Residuals in seconds of arc

510808 675	1.3-	0.7+	900914 675	0.1-	1.6-	900925 809	0.4+	0.8-
510808 675	0.6+	0.2+	900914 675	0.1-	1.7-	900925 809	0.9+	0.9-
770312 381	1.0-	0.4+	900920 675	0.3-	0.6-	961115 801	0.8-	0.8-
770312 381	0.2-	2.0-	900920 675	(0.2+	2.2-)	961115 801	0.6-	0.1-
770314 381	0.0	0.5-	900923 809	0.3-	0.3+	961120 327	0.0	0.2-
770314 381	1.7+	1.6-	900923 809	0.2+	0.1+	961120 327	0.3-	0.3+
770315 381	0.0	0.6-	900923 809	0.7+	0.0	961120 327	0.3+	0.1+
770315 381	2.4-	0.3-	900924 809	0.1-	0.8+	961210 801	0.1+	0.2+
790827 095	0.3-	0.1+	900924 809	0.0	0.5+	961210 801	0.3+	1.4+
790902 095	0.2+	0.4+	900924 809	0.1+	0.9+			
790924 095	1.5+	1.7-	900925 809	0.1+	0.8-			

(7374)* 1980 DL = 1991 TW₁₃ = 1993 FU₂₇

Discovered 1980 Feb. 19 by Z. Vávrová at Klet.

Id. G. V. Williams (*MPC* 23510)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	345.71928		(2000.0)		$\mathbf{P}$		$\mathbf{Q}$
n	0.23168952	ω	151.94893		-0.56201737		-0.82650633
a	2.6254180	Ω	332.21070		+0.74545730		-0.48938559
e	0.2687049	i	3.93523		+0.35837117		-0.27818882
P	4.25	H	14.6	G	0.15	U	2

Residuals in seconds of arc

800214	046	1.3-	0.1+	930321	809	(3.2-	2.3+)	950924	046	0.6+	0.3+
800214	046	0.9-	0.9+	930322	809	0.3+	1.1+	961212	046	0.1-	0.6+
800215	046	0.6-	0.7-	930326	809	0.4-	1.5+	961212	046	0.1+	0.6+
800215	046	0.2-	0.8-	930417	413	(2.2+	1.4+)	961212	046	0.0	0.5+
800219	046	0.4+	0.2+	950803	046	1.2+	0.4-	961215	046	0.1-	0.7+
800219	046	0.9+	1.7-	950803	046	(2.7+	0.1-)	961215	046	0.0	0.5+
800220	046	1.0-	1.8-	950803	046	0.3+	1.2-	961215	046	0.0	0.5+
800220	046	1.4+	0.0	950803	046	1.3+	0.6-	970116	046	0.7+	0.3+
800221	046	1.8-	2.1-	950803	046	0.4-	0.8-	970116	046	0.5+	0.4+
800222	046	0.9+	2.4-	950804	046	0.9-	0.0	970116	046	0.5+	0.4+
911007	691	1.2-	0.7-	950916	046	0.3+	0.5+	970117	046	0.3+	0.4+
911007	691	1.1-	0.6-	950916	046	1.1+	1.6+	970117	046	0.3+	0.4+
911007	691	1.3-	0.3-	950916	046	1.5+	0.1-	970117	046	0.3+	0.4+

(7375)* 1980 PZ = 1980 RZ = 1992 WB₆

Discovered 1980 Aug. 14 by Z. Vávrová at Klet.

Id. B. G. Marsden (d, *MPC* 5597), G. V. Williams (*MPC* 21561)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

M	101.70250		(2000.0)		$\mathbf{P}$		$\mathbf{Q}$
n	0.25786815	ω	353.38973		+0.72469214		+0.68095751
a	2.4445799	Ω	322.96455		-0.62392527		+0.58350091
e	0.1907582	i	10.08240		-0.29246977		+0.44251956
P	3.82	H	13.5	G	0.15	U	2

Residuals in seconds of arc

800810	552	1.2+	2.4+	921121	675	(0.9+	3.2-)	951015	046	0.6-	0.7-
800810	552	1.8-	1.5+	921121	675	(0.8+	3.1-)	951022	046	0.6+	0.2-
800814	046	0.0	0.2-	921122	675	1.0+	1.4-	951022	046	1.0+	0.3+
800815	046	2.4-	0.1-	940215	675	0.2+	0.6-	951022	046	0.3+	0.2+
800817	046	1.4-	0.4-	940215	675	0.4-	0.8-	961204	046	0.3-	0.2+
800817	046	0.0	0.9-	940311	046	0.5-	0.4+	961204	046	0.2-	0.2+
800818	046	(3.2-	0.5+)	940312	046	0.4-	0.1-	961204	046	0.2-	0.3+
800818	046	0.0	0.1+	940312	046	0.9-	0.2-	961205	046	0.3+	0.2+
800903	046	2.2+	2.3-	940312	046	0.5-	0.3+	961205	046	0.2+	0.5+
800903	046	1.4+	1.4-	940312	046	0.6-	0.2+	961205	046	0.4-	0.3+
800907	688	0.5-	1.2-	940312	675	0.3-	1.7-	970115	046	0.2+	0.1+
800908	046	0.7-	0.1+	940312	675	0.6-	1.7-	970115	046	0.2+	0.1+
800908	046	0.5+	1.3-	940314	675	0.4-	1.7-	970115	046	0.1-	0.0
800917	688	1.7+	0.1-	940314	675	0.4+	0.6-	970116	046	0.2+	0.5+
801002	688	(3.1+	0.6-)	951015	046	0.1-	0.6-	970116	046	0.1-	0.6+
801005	688	2.2+	0.6+	951015	046	0.7-	0.6-				

**(7376)* 1980 UU₁ = 1980 TG₁₂ = 1949 QE₁ = 1972 QG = 1976 SD₄
= 1982 BR₁₂ = 1990 EU₇**

Discovered 1980 Oct. 31 by S. J. Bus at Palomar.

Id. G. V. Williams (*MPC* 20628)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	141.49855		(2000.0)		$\mathbf{P}$		$\mathbf{Q}$
n	0.25759358	ω	348.21979		+0.54957008		+0.83509498
a	2.4463168	Ω	315.11189		-0.76368817		+0.49037380
e	0.1791303	i	1.97091		-0.33875226		+0.24929884
P	3.83	H	13.5	G	0.15	U	2

Residuals in seconds of arc

490824	690	0.1-	1.2-	900303	809	0.9+	0.3+	961210	327	0.5-	0.0
490826	690	0.4+	1.1+	900303	809	1.0+	0.0	961211	327	0.3+	0.2+
720818	095	0.3-	0.2-	900303	809	0.8+	0.3-	961211	327	0.0	0.2+
760924	095	0.5+	0.8+	900305	809	0.3-	0.4+	961211	327	0.7-	0.3-
760929	095	(2.9+	2.0+)	900305	809	0.2-	0.3+	961211	327	0.1-	0.5-
801010	095	1.5-	2.0+	900305	809	0.0	0.4+	961221	327	1.1+	0.0
801014	675	0.7+	0.6-	951111	689	0.5+	0.6-	961221	327	0.2-	0.2+
801031	675	0.8+	0.1+	951112	689	0.0	0.1-	961221	327	0.1+	0.7-
801102	675	0.4-	0.2-	951122	689	0.1-	0.4-	961221	327	0.5+	0.0
820130	675	0.7-	0.2-	951123	689	0.2+	0.4+	961229	689	0.7+	0.1-
820130	675	1.4-	0.1-	951125	689	1.2-	0.2-	961230	689	0.1+	0.4+
820131	675	0.4-	0.1-	961210	327	0.1-	0.3-				
820131	675	0.4-	0.0	961210	327	0.2-	0.1+				

(7377)* 1981 EW₉ = 1975 ND₁

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Id. C. M. Bardwell (*MPC* 22397)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Bardwell

M	159.33197		(2000.0)		$\mathbf{P}$		$\mathbf{Q}$
n	0.29745953	ω	336.89858		+0.46719900		+0.88265414
a	2.2225462	Ω	320.90062		-0.79793050		+0.39586063
e	0.1703010	i	4.67911		-0.38083069		+0.25340883
P	3.31	H	15.5	G	0.15	U	2

Residuals in seconds of arc

750711	095	0.2-	1.8-	810315	413	1.7+	0.7-	961209	691	1.1-	0.1+
791122	675	1.8+	2.2+	810406	413	1.8-	0.6+	961209	691	1.5-	0.1+
791125	675	0.1-	1.5-	810406	413	0.3-	0.7-	961214	691	1.4-	0.3-
810209	413	(3.3+	1.6-)	810412	413	(9.2-	1.0+)	961214	691	0.6-	0.1-
810213	413	0.6+	0.3-	810412	413	0.3+	0.3+	961214	691	0.7-	0.2-
810301	413	2.0-	0.8+	810430	413	0.9+	0.8-	970110	566	0.6-	0.3-
810301	413	0.9-	0.2+	810502	413	1.7+	0.8-	970110	566	0.1-	0.5-
810307	413	0.2-	0.1-	910414	675	0.6+	1.3-	970110	566	0.3+	0.3+
810307	413	(4.2-	2.3+)	910414	675	1.1+	1.5+	970114	566	0.4-	1.1-
810311	413	0.4+	0.0	950730	557	0.3+	0.4-	970114	566	1.8+	0.7+
810311	413	(2.8+	0.1-)	950730	557	0.5+	0.3-	970114	566	1.3+	0.7-
810315	413	0.8-	0.1-	961209	691	1.2-	0.0				

(7378)* 1981 EK₁₈

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	324.40683	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17704931	ω 279.20025	-0.71461172	-0.69939141
<i>a</i>	3.1410383	Ω 216.42352	+0.65038430	-0.65719568
<i>e</i>	0.1302287	<i>i</i> 1.30104	+0.25754680	-0.28097240
<i>P</i>	5.57	<i>H</i> 11.9	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

530415 675	0.4+	0.1-	810311 413	1.1+	0.8-	810430 413	0.1+	0.2-
530415 675	0.4-	0.3+	810316 413	1.7-	1.1+	810502 413	0.7+	0.2-
540701 675	0.9+	0.1+	810329 413	1.1-	0.5+	920302 809	0.5+	1.3+
540701 675	0.8-	1.2+	810329 413	0.9-	0.2+	920305 809	0.0	0.2+
810209 413	0.1+	0.3+	810407 413	1.0-	0.6+	920309 809	0.4-	0.8-
810213 413	1.7+	0.9-	810407 413	1.0+	0.3+	920407 809	0.2-	0.3+
810302 413	1.2+	1.6-	810408 413	1.1-	1.3+	961111 689	1.3-	0.6+
810303 413	0.8+	0.9-	810408 413	1.3+	0.2-	961201 689	1.3+	0.7+
810307 413	0.4-	0.3-	810411 413	0.7-	0.3-			
810311 413	0.4-	0.4+	810411 413	0.2-	0.8-			

(7379)* 1981 EC₂₉

Discovered 1981 Mar. 1 by S. J. Bus at Siding Spring in the course of the U.K. Schmidt-Caltech Asteroid Survey.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	85.81254	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.22675165	ω 39.47073	+0.74420533	+0.66628276
<i>a</i>	2.6633960	Ω 278.68161	-0.62426817	+0.66867574
<i>e</i>	0.1226441	<i>i</i> 2.73544	-0.23758720	+0.33006066
<i>P</i>	4.35	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

780901 675	0.3-	0.9+	810311 413	1.1+	1.7+	961113 327	0.5+	0.9+
780902 675	0.6-	1.0+	810311 413	1.6+	1.4-	961113 327	0.6+	0.8+
791220 675	1.0-	0.2-	810315 413	2.2-	0.3-	961113 327	0.5+	0.8+
791220 675	0.8+	0.5-	810412 413	(3.7-	1.5+)	961231 691	0.6-	0.4-
810209 413	0.6+	1.1+	810430 413	1.2+	1.7+	961231 691	0.6-	0.5-
810301 413	1.2+	0.7+	810502 413	2.1-	0.2-	961231 691	0.7-	0.4-

(7380)* 1981 RF

Discovered 1981 Sept. 3 by N. G. Thomas at the Anderson Mesa Station of the Lowell Observatory.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	358.60626	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.26002740	ω 238.85995	+0.99714718	+0.05415903
<i>a</i>	2.4310281	Ω 117.98896	-0.03081586	+0.92794754
<i>e</i>	0.1892300	<i>i</i> 3.41345	-0.06890492	+0.36875487
<i>P</i>	3.79	<i>H</i> 13.8	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

810830 688	1.9-	2.3-	811005 688	(3.3+	0.1+)	940107 675	0.3+	0.3-
810830 688	0.8+	0.6-	820115 675	0.3+	0.5-	950423 691	1.0-	1.0-
810903 688	1.3-	1.3-	820116 675	0.3-	0.1-	950423 691	0.9-	1.3-
810903 688	1.0-	1.3-	840421 675	0.2-	1.3-	950423 691	1.3-	1.0-
810925 688	1.4+	1.7+	840503 801	2.1+	0.4+	960819 801	0.7-	1.1+
810925 688	1.4+	0.3+	840507 675	0.5+	0.2+	960819 801	0.7-	1.2+
810925 095	0.7+	1.0-	840508 675	0.3-	0.1-	960929 689	0.2+	0.2+
810926 688	0.8+	0.2-	840509 675	0.5-	0.5-	961013 801	0.5+	0.1-

810926 688	0.7-	0.9-	851021 095	0.2+	1.8+	961013 801	0.9+	0.3+
811005 688	1.0+	0.5-	940107 675	0.5-	1.7-	961016 801	0.2+	1.6-

(7381)* 1981 RG₅ = 1983 AM₆ = 1992 WD

Discovered 1981 Sept. 8 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Id. S. Nakano (*MPC* 21254)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	73.26880	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27167980	ω 328.37530	+0.97875167	+0.20073049
<i>a</i>	2.3610100	Ω 20.17201	-0.15351424	+0.85267295
<i>e</i>	0.1525249	<i>i</i> 6.97266	-0.13593578	+0.48234439
<i>P</i>	3.63	<i>H</i> 12.9	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

810908 095	0.9-	1.6+	921213 010	0.0	0.6+	940401 689	0.0	0.0
810928 095	0.5-	1.0+	921214 010	0.8+	1.3+	940402 689	0.3+	0.3+
811005 095	0.6+	0.8+	921220 801	0.2+	0.1-	950518 689	1.3+	0.2-
811026 095	(0.7-	2.9-)	921220 801	0.4+	0.0	961030 689	0.3+	1.1+
830115 095	(1.4+	6.9+)	921222 801	0.2-	0.3-	961111 689	1.0-	0.6+
920930 095	(3.7-	0.7-)	921222 801	0.3-	0.1-	961112 689	1.7+	0.7+
920930 095	1.1-	1.3-	940207 801	0.4+	1.5+	961209 801	0.7+	0.9-
921116 399	0.6-	0.3-	940207 801	0.6-	0.5-	961209 801	0.1+	1.2-
921116 399	1.1-	1.4-	940213 689	0.1-	0.8+	961210 801	1.6+	1.2-
921118 399	0.5-	0.5+	940316 801	0.7-	1.8+	961229 689	0.6+	0.6-
921118 399	0.6-	0.7-	940316 801	0.3-	1.2+	961230 689	0.5+	0.3+

(7382)* 1981 RJ₅ = 1978 EY₉

Discovered 1981 Sept. 8 by L. V. Zhuravleva at the Crimean Astrophysical Observatory.

Id. S. J. Bus (*MPC* 18108)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	229.91562	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17455583	ω 267.03739	+0.82552474	-0.56365901
<i>a</i>	3.1708801	Ω 127.27003	+0.53087010	+0.75857480
<i>e</i>	0.2479388	<i>i</i> 2.03357	+0.19153547	+0.32688346
<i>P</i>	5.65	<i>H</i> 12.7	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

780315 675	1.6-	0.8+	920904 095	(1.8-	5.6+)	960420 691	(3.2-	0.6-)
780316 675	(4.3-	0.5+)	920904 095	(2.0-	6.1+)	960521 104	0.8+	0.1-
810908 095	0.8-	1.3+	940107 675	1.2+	1.7+	960521 104	0.2-	0.4-
810928 095	1.4-	0.7+	940107 675	0.7-	0.4+	960521 104	0.9-	0.0
811005 095	(0.1-	4.7+)	960418 809	1.5+	0.4-	960522 809	0.0	0.4+
811022 095	0.2+	1.2+	960418 809	0.5+	0.2+	960522 809	1.1-	1.3+
811024 095	1.0+	0.5+	960418 809	1.6+	0.5-	960522 809	0.3-	0.7+
811026 095	0.8+	0.4+	960420 809	0.2+	0.6+	960523 809	(2.5-	1.9-)
920803 675	(2.7-	1.7-)	960420 809	0.3+	1.8+	960523 809	(2.5-	2.5-)
920803 675	(2.9-	3.7-)	960420 809	1.0+	0.4+	960523 809	(3.2-	2.3-)
920806 675	(2.9-	3.7-)	960420 691	(3.3-	0.8-)			
920806 675	1.5-	1.0-	960420 691	(3.2-	0.7-)			

(7383)* 1981 SE = 1985 SQ₆ = 1989 VX₅Discovered 1981 Sept. 30 at the Oak Ridge Observatory.
Id. G. V. Williams (*MPC* 18621)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	200.10906		(2000.0)	P	Q
<i>n</i>	0.25594730	ω	337.46332	-0.76313693	-0.64618028
<i>a</i>	2.4567955	Ω	162.27413	+0.59710898	-0.71011939
<i>e</i>	0.0687615	<i>i</i>	1.60888	+0.24714953	-0.27960956
<i>P</i>	3.85	<i>H</i>	13.6	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

810929 801	0.2+	1.7-	910309 675	0.9-	0.3-	950305 801	0.2-	0.2+
810930 801	0.9+	1.4-	910309 675	0.1+	1.5-	950328 801	0.4-	0.5-
811001 801	1.3+	0.1-	931111 801	0.2+	1.1+	950328 801	0.3-	0.5-
811006 801	0.2-	0.6-	931111 801	0.1+	0.7+	950401 801	0.6-	0.9-
850922 095	(4.6+	0.8-)	931117 801	0.3+	0.1-	950401 801	0.4-	0.6-
891103 675	0.2+	0.4-	931117 801	0.2+	0.2+	950426 801	0.6+	0.7-
891103 675	0.5+	0.1-	950304 801	0.3+	0.3+	950426 801	0.1+	0.1-
891104 675	0.6+	1.5-	950304 801	0.8-	0.2-	950502 801	0.0	0.6-
891104 675	1.8-	2.3-	950305 801	0.0	0.2-	950502 801	0.0	0.3-

(7384)* 1981 TJ = 1986 WH₉

Discovered 1981 Oct. 6 by Z. Vávrová at Kletř.

Id. T. Kobayashi (*MPC* 13598)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	95.20320		(2000.0)	P	Q
<i>n</i>	0.21098306	ω	126.42051	+0.99762606	+0.03497842
<i>a</i>	2.7945014	Ω	231.65144	-0.05376658	+0.93385735
<i>e</i>	0.1064790	<i>i</i>	4.33787	+0.04302781	+0.35593111
<i>P</i>	4.67	<i>H</i>	13.4	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

810922 046	0.0	0.2-	950917 046	0.1-	0.8+	951217 046	0.2-	0.1+
810922 046	1.4-	0.2-	950917 046	0.5-	1.0+	951218 327	0.8-	0.5+
810925 046	0.3+	1.5-	950917 046	0.1+	0.7+	951218 327	0.2-	0.5+
810925 046	1.5+	1.5-	950917 046	1.6+	1.5-	951218 327	0.1-	0.4+
811006 046	1.4+	2.1-	950917 046	1.6+	1.6-	961212 046	0.3+	0.4-
811006 046	(3.9+	1.0-)	950917 046	1.6+	1.5-	961212 046	0.5+	0.6-
811007 046	(3.3+	2.5+)	950924 046	1.0-	0.3+	961212 046	0.4+	0.7-
811007 046	0.7-	1.7+	950924 046	0.5-	0.3+	961213 046	0.5+	0.4-
861130 381	(4.2-	3.5+)	951011 046	0.1-	0.1-	961213 046	0.4+	0.5-
861130 381	0.6+	1.7-	951011 046	0.1+	0.0	961213 046	0.6+	0.6-
861201 381	(7.4+	5.9+)	951011 046	1.1-	0.0	961217 046	0.5+	0.4-
861201 381	0.0	1.2+	951011 046	0.3+	0.3+	961217 046	0.6+	0.4-
900916 675	0.3+	1.0-	951011 046	0.2-	0.3+	961217 046	0.8+	0.4-
900916 675	0.3+	0.6-	951012 046	0.1-	0.3+	961222 046	1.3-	0.2+
950804 046	0.1+	0.3+	951107 595	1.0+	0.6+	961222 046	1.2-	0.0
950804 046	0.4+	0.7-	951107 595	0.2+	0.8+	970108 046	0.6-	0.3+
950804 046	0.6+	0.5+	951109 595	0.2-	0.5+	970108 046	0.5-	0.2+
950805 046	0.2+	0.3+	951109 595	(0.8+	4.0+)	970108 046	0.5-	0.1+
950805 046	0.2+	0.4+	951217 327	0.2-	0.4+	970112 046	0.3-	0.2+
950805 046	0.1-	0.1+	951217 327	0.2-	1.3+	970112 046	0.6-	0.5+
950829 691	1.4-	0.1+	951217 327	0.3-	0.2+	970112 046	0.1-	0.1+
950829 691	1.5-	0.0	951217 046	0.3-	0.5+			
950829 691	1.2-	0.2+	951217 046	0.7-	0.7+			

(7385)* 1981 UQ₁₁ = 1990 DP₁

Discovered 1981 Oct. 22 by N. S. Chernykh at the Crimean Astrophysical

Observatory.

Id. H. Kaneda (*MPC* 17199)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	354.33124		(2000.0)	P	Q
<i>n</i>	0.26682276	ω	357.41577	+0.24995922	-0.96616004
<i>a</i>	2.3895757	Ω	78.10359	+0.88952094	+0.20315818
<i>e</i>	0.1253500	<i>i</i>	3.73133	+0.38245639	+0.15893879
<i>P</i>	3.69	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

811022 095	(2.8-	2.2+)	920930 691	1.5-	0.6-	961210 327	0.5+	0.3+
811024 095	1.3+	1.1+	920930 691	(2.1-	0.3-)	961210 327	0.5+	0.2-
811028 095	1.3-	0.3+	921021 372	0.9+	0.8+	961210 327	0.1+	0.4+
880816 675	0.8+	0.2-	921021 372	(4.0+	1.9+)	961214 658	0.4+	0.4+
880816 675	0.3+	0.2+	921024 372	(1.7-	4.9-)	961214 658	0.4+	0.4+
880911 675	0.6+	0.8+	921025 372	(2.6+	1.0+)	961214 658	0.4+	0.3+
900221 046	(4.6-	1.3-)	921030 372	0.5-	1.7-	970104 732	0.3-	0.0
900221 046	1.5-	1.5-	921126 675	0.5+	1.5-	970104 732	0.6-	0.2-
900222 046	(3.7-	0.9-)	921126 675	(0.1-	2.1-)	970104 732	0.1+	0.1+
900222 046	(2.0-	2.1-)	921128 675	0.6+	1.7-	970105 732	0.0	1.2+
920930 691	1.9-	0.6-	921128 675	0.4+	0.1-			

(7386)* 1981 WM = 1992 UD₆

Discovered 1981 Nov. 25 at the Oak Ridge Observatory.

Id. S. Nakano (*MPC* 21254)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	357.24992		(2000.0)	P	Q
<i>n</i>	0.26780656	ω	11.40105	+0.00392647	-0.99642602
<i>a</i>	2.3837200	Ω	78.41521	+0.91056926	-0.03131484
<i>e</i>	0.0746477	<i>i</i>	4.94120	+0.41333788	+0.07845099
<i>P</i>	3.68	<i>H</i>	13.6	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

811125 801	1.3-	0.2-	900330 675	0.1+	0.9+	961107 327	0.2-	0.2-
811126 801	1.2+	0.4-	900330 675	0.4-	1.4+	961107 327	0.1+	0.7+
811129 801	(0.6+	2.9+)	921030 894	(0.9+	2.3+)	961107 327	0.1+	0.3+
811220 801	0.9+	0.3-	921030 894	0.6-	0.6-	961109 327	0.2+	0.2-
811221 801	0.2+	0.7+	921031 894	0.8-	0.6+	961109 327	0.4+	0.6+
881007 675	0.2+	1.2+	921031 894	0.2-	0.4+	961109 327	0.8+	0.0
881007 675	0.6+	0.3+	921119 691	0.9-	0.1+	961210 801	0.9+	1.9-
900224 675	0.4-	0.1-	921119 691	0.8-	0.2+	961210 801	0.3+	1.2-
900224 675	0.6+	0.7+	921119 691	0.7-	0.1+			

(7387)* 1982 BS₁

Discovered 1982 Jan. 30 by E. Bowell at the Anderson Mesa Station of the

Lowell Observatory.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	345.69359		(2000.0)	P	Q
<i>n</i>	0.25697980	ω	295.15174	+0.05828964	-0.99655434
<i>a</i>	2.4502105	Ω	151.31744	+0.95447990	+0.03831396
<i>e</i>	0.1529686	<i>i</i>	7.06188	+0.29252425	+0.07356276
<i>P</i>	3.84	<i>H</i>	13.4	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

820124 688	(1.8+ 3.7+)	900320 095	(4.2- 8.2+)	960827 684	0.3+ 0.3-
820130 688	1.5- 0.0	900320 095	(0.3- 3.5+)	961112 801	0.7- 0.3+
820130 688	0.7- 1.1-	921223 801	0.4- 0.4-	961112 801	1.4- 0.2+
820221 688	1.8+ 1.2-	921223 801	0.2+ 0.3+	961114 801	0.3- 1.1+
820221 688	1.2- 0.6-	921225 801	0.4- 0.2+	961114 801	0.4- 1.0+
820228 688	0.4- 1.1-	921225 801	0.5- 0.8+	961207 127	1.1+ 0.5+
820228 688	1.6+ 0.3+	940314 689	0.1+ 1.5+	961207 127	0.6+ 0.4+
860305 688	(0.2+ 4.7+)	940405 411	0.2+ 1.0+	961212 127	0.2+ 0.1+
860305 688	(1.0- 3.5+)	940405 411	0.5+ 1.1+	961212 127	0.4+ 0.1-
860510 801	0.4+ 1.7+	960827 684	0.7+ 0.4-		

(7388)* 1982 FS₃ = 1982 HS₂ = 1993 FS₂

Discovered 1982 Mar. 23 by H. Debehogne at the European Southern Observatory.

Id. F. N. Bowman (d, *MPC* 7830), G. V. Williams (*MPC* 23511)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	260.42700	(2000.0)	P	Q
<i>n</i>	0.17806275	ω 334.22906	-0.92926775	-0.36911854
<i>a</i>	3.1291089	Ω 184.19135	+0.36396345	-0.90810323
<i>e</i>	0.1108255	<i>i</i> 11.51712	+0.06318269	-0.19773727
<i>P</i>	5.54	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

820323 809	0.3+ 0.5+	820329 809	0.1+ 0.6-	930320 809	0.2- 0.1+
820323 809	0.2- 0.3+	820329 809	0.3+ 0.6-	930320 046	(7.0+ 2.9-)
820323 809	0.5+ 0.4-	820330 809	0.9- 1.4+	930320 046	1.3+ 0.2+
820324 809	0.8+ 0.7+	820330 809	0.1- 1.5+	930321 675	(10.3- 5.3-)
820324 809	0.2+ 0.3+	820330 809	0.2+ 1.5+	930321 675	(6.4- 3.1-)
820324 809	0.1+ 0.2+	820331 809	0.4- 0.7+	930324 809	0.5- 0.4+
820326 809	0.5- 2.0-	820331 809	0.5- 0.5+	930421 413	0.8+ 0.9+
820326 809	0.4- 1.3-	820331 809	0.7- 0.1-	940609 801	0.3- 0.7-
820326 809	0.9- 1.1-	820401 809	0.1- 0.8+	940609 801	0.4- 0.5+
820327 809	0.0 1.6-	820401 809	0.1+ 0.8+	940809 801	(0.3- 2.6-)
820327 809	0.4- 1.0-	820401 809	0.0 0.5+	940809 801	0.8+ 0.6-
820327 809	0.6- 0.7-	820427 033	1.8+ 0.2+	961115 801	0.2+ 0.6-
820328 809	0.5- 0.8-	820427 033	1.6+ 0.3+	961210 801	0.2- 0.5-
820328 809	0.0 0.7-	930319 809	1.1- 0.1+	961210 801	0.2+ 0.0
820328 809	0.2+ 1.0-	930319 675	(7.8- 6.6-)		
820329 809	0.2- 0.7-	930319 675	(9.0- 6.3-)		

(7389)* 1982 UE = 1979 YV₇ = 1980 BL₆

Discovered 1982 Oct. 17 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. S. Nakano (*MPC* 13605)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	42.56364	(2000.0)	P	Q
<i>n</i>	0.28925481	ω 292.47490	+0.95157709	-0.29817916
<i>a</i>	2.2643783	Ω 84.93786	+0.30236027	+0.86393609
<i>e</i>	0.2233220	<i>i</i> 4.30470	+0.05549152	+0.40583694
<i>P</i>	3.41	<i>H</i> 13.8	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

551119 675	0.3+ 0.1+	821017 688	0.9- 1.0-	961112 689	(2.4+ 1.0+)
551119 675	0.8+ 1.0+	821021 095	1.0- 1.5+	961201 689	0.3- 1.4+

551211 675	0.7- 0.4+	891029 402	0.7+ 0.4+	961229 104	1.4+ 0.7-
551211 675	0.2+ 0.3-	891030 402	0.3+ 1.3-	961229 104	0.7+ 0.1+
791223 095	(0.8- 4.5+)	891229 801	0.5+ 0.4+	961229 104	0.8+ 0.1+
800122 095	1.5- 0.8-	891229 801	0.1+ 0.6+	970112 732	1.3- 0.3+
821011 688	0.5+ 0.6-	920925 801	0.2- 0.2-	970112 732	1.0- 0.1+
821011 688	0.4- 0.9-	920925 801	0.7+ 0.0	970113 732	0.4+ 0.4-
821014 095	0.7- 0.5+	921002 801	0.7+ 0.3+	970113 732	0.9- 0.6-
821017 688	0.7+ 0.9-	921002 801	0.5+ 0.7+		

(7390)* 1983 QE = 1987 OW₁

Discovered 1983 Aug. 31 at Kleť.

Id. G. V. Williams (*MPC* 16578)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	108.18146	(2000.0)	P	Q
<i>n</i>	0.24290858	ω 138.70940	+0.63508124	+0.77142353
<i>a</i>	2.5439436	Ω 170.48011	-0.75666626	+0.63162513
<i>e</i>	0.2059984	<i>i</i> 13.89544	-0.15533190	+0.07717143
<i>P</i>	4.06	<i>H</i> 14.1	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

830831 046	(1.6+ 5.2-)	910710 657	0.0 0.4+	950709 046	0.4+ 0.2+
830831 046	0.6- 0.1+	910710 657	0.0 0.5+	950709 046	0.4+ 0.4+
830901 046	0.4+ 0.3-	940312 046	0.1+ 0.5-	950709 046	0.5+ 0.3+
830901 046	(3.2+ 3.1+)	940312 046	0.2- 0.1-	950726 563	0.2- 0.1+
830903 046	1.1+ 0.6-	940312 046	0.1+ 0.2-	950726 563	0.6- 0.3+
830903 046	(1.6- 3.1-)	940312 046	0.3+ 0.1-	950726 563	0.4- 0.2-
830904 095	(2.3- 9.3+)	940312 046	0.0 0.3-	950726 563	0.5- 1.1+
830904 046	0.8+ 1.6+	950527 801	0.4+ 0.1+	950726 046	0.4- 0.2+
830904 046	1.7+ 1.8-	950527 801	0.3+ 0.0	950726 046	0.3- 0.2+
830906 095	(5.0- 1.5-)	950619 046	0.1+ 0.7-	950726 046	0.2- 0.3+
830911 688	0.1- 1.9-	950619 046	0.1- 0.6-	961203 046	0.1- 0.1-
830911 688	0.3+ 1.3-	950619 046	0.0 0.7-	961203 046	0.1- 0.1+
870726 675	1.8- 0.3+	950620 046	0.1- 0.9-	961203 046	0.4- 0.1+
870726 675	1.9- 0.9+	950620 046	0.2- 1.0-	961205 046	0.3+ 0.1-
870728 675	0.5- 1.6+	950621 046	0.1+ 0.7-	961205 046	0.0 0.1-
870728 675	(2.8- 1.5-)	950628 801	0.6+ 0.0	961205 046	0.0 0.0
910512 801	0.7- 0.8-	950628 801	0.6+ 0.5-	970115 046	0.2- 0.0
910512 801	0.6- 0.7-	950629 801	0.3+ 0.2+	970115 046	0.1+ 0.5+
910614 801	0.0 0.5+	950629 801	0.3+ 0.1+	970115 046	0.4- 0.1+
910614 801	0.5- 0.2+	950708 046	0.5+ 0.4+	970116 046	0.5+ 0.1+
910709 657	0.1- 0.4+	950708 046	0.5+ 0.2+	970116 046	0.3- 0.1+
910709 657	0.1- 0.1+	950708 046	0.6+ 0.4+	970116 046	0.3- 0.3+

(7391)* 1983 VS₁ = 1972 GS₁ = 1979 YX₉ = 1993 CR

Discovered 1983 Nov. 8 by A. Mrkos at Kleť.

Id. K. Ichikawa (*MPC* 22051)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	346.80730	(2000.0)	P	Q
<i>n</i>	0.23125999	ω 78.55716	-0.08606903	-0.99597604
<i>a</i>	2.6286679	Ω 16.44258	+0.87622393	-0.08760429
<i>e</i>	0.2134973	<i>i</i> 5.06245	+0.47415582	-0.01890035
<i>P</i>	4.26	<i>H</i> 14.3	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

531031 675	0.7+	0.3-	930213 399	1.6-	0.8+	961204 046	0.3-	1.0+
531031 675	1.1-	0.3-	930221 399	1.1-	0.6-	961204 046	0.1-	1.3+
720409 805	0.0	0.3+	930221 399	0.0	0.5+	961204 046	0.4-	1.2+
720409 805	0.2+	1.0-	950801 046	(1.3+	2.6+)	961204 046	0.3+	1.2+
720410 805	0.3+	1.1-	950801 046	(2.3+	0.5+)	961205 046	0.2+	0.5+
720410 805	(1.5+	3.0-)	950801 046	(1.2+	2.2+)	961205 046	0.2+	0.4+
791225 095	1.4+	1.1+	950803 046	0.7-	0.4-	961205 046	0.4+	0.5+
831107 046	0.4+	2.2-	950803 046	0.3-	0.8-	961209 801	0.2-	1.1-
831107 046	(1.8-	3.2-)	950803 046	0.4+	1.4+	961209 801	0.1+	1.7-
831108 046	1.3-	0.2+	950803 046	0.7-	0.3+	961210 801	0.2+	1.7-
831108 046	(1.6-	3.8-)	950803 046	0.1+	0.1+	961230 046	0.1+	0.4+
831109 046	1.3+	2.1-	950803 046	0.1-	0.9+	961230 046	0.1-	0.3+
930210 399	(2.0+	0.8+)	950804 046	0.1+	0.3+	961230 046	0.0	0.2+
930210 399	(2.3+	2.5+)	950804 046	0.1+	0.4+	970112 046	0.7+	0.5+
930213 399	0.6-	0.4-	950804 046	0.8+	0.3-	970112 046	0.7+	0.6+

(7392)* 1984 EX = 1990 RA₆

Discovered 1984 Mar. 6 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. G. V. Williams (*MPC* 17819)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		Williams	
261.91727		(2000.0)	
<i>n</i>		<i>ω</i>	<i>P</i>
0.21557994		204.99417	-0.97682564
<i>a</i>		<i>Ω</i>	<i>Q</i>
2.7546335		347.27134	+0.21318871
<i>e</i>		<i>i</i>	
0.1293679		4.95549	-0.11737870
<i>P</i>		<i>H</i>	<i>U</i>
4.57		12.4	2

Residuals in seconds of arc

840226 809	0.1-	0.2-	840306 809	0.6+	0.5-	900912 809	0.3-	0.2+
840226 809	0.0	0.1-	840306 809	0.6+	0.5-	900912 809	0.1-	0.2+
840226 809	0.0	0.2+	840306 809	0.7+	0.4-	900914 675	0.3-	1.3-
840227 809	0.1+	0.3-	840306 809	0.2-	0.6-	900914 675	(0.1-	2.1-)
840227 809	0.3+	0.1-	840306 809	0.4-	0.5-	900914 809	0.1-	0.0
840227 809	0.4+	0.0	840306 688	2.3+	0.4-	900915 809	0.1-	0.2-
840228 809	0.2+	0.3+	840306 809	0.0	0.6-	900915 809	0.0	0.3-
840228 809	0.3+	0.2+	840306 688	1.0+	0.6-	900915 809	0.1+	0.6-
840228 809	0.6+	0.2+	840308 809	0.5-	0.1-	900916 809	0.2+	0.5-
840301 809	1.3-	0.2+	840308 809	0.3-	0.1-	900916 809	0.2+	0.7-
840301 809	0.9-	0.3+	840308 809	0.1-	0.2-	930123 675	0.7-	0.0
840301 809	0.5-	0.3+	840309 809	0.9-	0.1+	930123 675	0.1-	1.1+
840301 809	0.8+	0.6+	840309 809	0.8-	0.2+	930126 801	0.7-	0.2-
840301 809	1.2+	0.6+	840309 809	0.7-	0.2+	930127 801	0.7-	0.4-
840301 809	1.5+	0.5+	840310 809	0.6-	0.3+	930127 801	0.6-	0.1+
840303 809	1.1-	0.2+	840310 809	0.7-	0.2-	930213 596	1.5+	1.1-
840303 809	1.0-	0.1+	840310 809	1.0-	0.1-	930213 596	1.8+	0.9-
840303 809	0.9-	0.1+	840311 809	0.1-	0.2+	930213 596	0.1-	0.8-
840303 809	0.6-	0.1+	840311 809	0.2+	0.0	930224 801	0.2+	0.5+
840303 809	0.4-	0.1+	840311 809	0.3+	0.2-	930224 801	0.0	0.9+
840303 809	0.6-	0.0	840403 688	0.8+	1.7-	930226 801	1.1-	0.2-
840304 809	0.1+	0.9-	840403 688	(1.8+	2.6-)	930226 801	0.9-	0.3-
840304 809	0.3-	0.5-	900827 675	0.6+	1.3-	951022 691	0.0	0.5-
840304 809	0.7-	0.2+	900827 675	(1.3+	2.8-)	951022 691	0.1-	0.6-
840304 809	0.6-	0.5+	900828 095	(0.5-	3.7-)	951022 691	0.1+	1.1-

840304 809	0.3-	0.4+	900828 095	(1.5-	4.2-)	951027 691	1.1-	0.5-
840304 809	0.2-	0.3+	900908 809	0.0	0.3-	951027 691	0.9-	0.4-
840305 809	0.0	0.2-	900909 809	0.4+	0.2-	951027 691	0.5-	1.1-
840305 809	0.4+	0.1-	900909 809	0.8+	0.1-	961111 689	(3.8+	1.3-)
840305 809	1.0+	0.2-	900909 809	1.1+	0.5+	961112 689	(3.4+	2.3-)
840305 809	0.0	0.2-	900910 809	1.2+	0.5+	961201 689	0.9+	0.1-
840305 809	0.0	0.6-	900910 809	1.5+	0.5+	961230 689	1.2+	0.3+
840305 809	0.2-	0.1-	900912 809	0.3-	0.2+			

(7393)* 1984 SL₃ = 1983 EE₂ = 1993 FM₃₅

Discovered 1984 Sept. 28 by B. A. Skiff at the Anderson Mesa Station of the Lowell Observatory.

Id. G. V. Williams (*MPC* 23512)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		Williams	
233.76771		(2000.0)	
<i>n</i>		<i>ω</i>	<i>P</i>
0.29394037		331.57835	+0.99532978
<i>a</i>		<i>Ω</i>	<i>Q</i>
2.2402504		23.73097	-0.05007549
<i>e</i>		<i>i</i>	
0.1998866		6.73272	-0.08252919
<i>P</i>		<i>H</i>	<i>U</i>
3.35		12.9	2

Residuals in seconds of arc

830311 381	0.9+	0.5+	930319 809	0.3-	0.2-	960317 801	0.6-	1.8-
830311 381	0.7+	0.2+	930320 809	0.7-	0.3-	960322 801	0.8-	0.1-
840928 688	0.5+	0.8-	930324 809	1.8-	0.1+	960322 801	1.1-	0.2-
840928 688	0.5+	0.0	930421 413	0.3+	0.4-	960407 689	0.4+	0.6+
841023 688	1.0+	0.4-	941210 689	0.5-	1.0+	960408 689	0.2+	0.4+
841023 688	1.2+	0.3-	941213 689	1.6-	0.4-	960501 327	0.6-	0.1+
841029 688	2.0-	1.0-	950101 689	0.7-	1.2+	960501 327	0.4+	0.8+
841029 688	0.5+	1.2-	950104 801	0.8+	0.4+	960501 327	1.1+	0.9+
890201 675	1.0+	0.8+	950104 801	2.0+	0.9+	960515 327	0.2+	0.7-
890201 675	0.3-	0.1-	960216 801	0.0	0.6-	960515 327	0.3-	0.3-
911203 675	0.2-	1.2+	960216 801	0.4+	0.6-	960515 327	0.1+	0.0
911203 675	0.9-	0.2-	960317 801	0.0	1.6-			

(7394)* 1985 QX₄ = 1993 RG₂

Discovered 1985 Aug. 18 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. G. V. Williams (*MPC* 22683)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		Williams	
161.04536		(2000.0)	
<i>n</i>		<i>ω</i>	<i>P</i>
0.12659839		171.18589	+0.97475243
<i>a</i>		<i>Ω</i>	<i>Q</i>
3.9281126		175.87954	-0.21296064
<i>e</i>		<i>i</i>	
0.0512961		8.68085	-0.06712275
<i>P</i>		<i>H</i>	<i>U</i>
7.79		11.1	1

Residuals in seconds of arc

850818 095	(3.6-	0.2+)	930916 400	(0.2-	2.4+)	941127 292	1.8+	1.5-
850915 095	1.0-	0.2+	930916 400	0.3+	1.3-	941227 292	0.3+	1.1+
850920 095	0.3+	1.9+	931111 801	0.1-	1.1-	941227 292	0.6-	1.5-
900401 675	0.4+	1.0-	931111 801	0.3+	0.9-	951125 801	0.3-	0.2+
900401 675	0.4-	0.1-	941127 292	1.9+	0.1-	951125 801	0.3-	0.2+
930915 400	0.5+	0.4+	941127 675	1.2-	1.3+	951223 801	0.1-	0.3+
930915 400	0.6-	0.4+	941127 675	1.3-	0.1-	951223 801	0.0	0.7+

(7395)* 1985 RP₁ = 1994 CE₅

Discovered 1985 Sept. 10 by Z. Vávrová at Kleť.

Id. G. V. Williams (*MPC* 23236)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	138.97903		(2000.0)	P		Q	
<i>n</i>	0.28826952	ω	126.38753	+0.45387435		+0.89091672	
<i>a</i>	2.2695351	Ω	170.56299	-0.84605683		+0.43661455	
<i>e</i>	0.1747458	<i>i</i>	5.70311	-0.27961744		+0.12504056	
<i>P</i>	3.42	<i>H</i>	14.4	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

850908 809	1.0+	0.1+	850922 809	0.2+	0.2-	950730 046	0.2+	0.3+
850908 809	0.9+	0.0	940211 691	0.1+	0.3-	951121 327	0.7-	0.0
850908 809	0.9+	0.2+	940211 691	0.1+	0.2-	951121 327	0.3-	0.9+
850910 809	0.1-	0.0	940211 691	1.2-	0.6-	951121 327	0.1+	0.7+
850910 809	0.0	0.2+	940212 691	0.0	0.2-	951121 327	0.4-	0.3-
850910 809	0.3+	0.4+	940212 691	0.5-	0.5-	951122 327	0.1+	0.5-
850910 046	0.1-	2.0-	940212 691	0.0	0.5-	951122 327	0.9-	0.4-
850910 046	1.3-	2.3-	950621 046	0.6+	0.0	961203 684	0.0	0.1+
850911 809	0.1+	1.6+	950621 046	0.2-	0.1-	961203 684	0.1+	0.1-
850911 809	0.4+	1.1+	950621 046	0.0	0.1-	961203 684	0.0	0.0
850911 809	0.5+	1.1+	950628 046	0.1-	0.5-	961212 046	0.9+	0.2-
850914 809	1.0+	0.3-	950628 046	0.0	0.2-	961212 046	0.8+	0.1-
850914 809	1.1+	0.1-	950628 046	0.1-	0.5-	961212 046	0.5+	0.1-
850914 809	1.3+	0.0	950720 684	0.1-	0.2-	961212 046	0.2+	0.2+
850918 809	1.1-	0.5-	950720 684	0.4-	0.6-	961212 046	0.0	0.2+
850918 809	0.8-	0.5-	950720 292	(0.1+	2.2+)	961212 046	0.2-	0.8+
850918 809	0.4-	0.3-	950726 046	0.0	0.2+	970115 046	0.0	0.1-
850920 809	1.3-	0.0	950726 046	0.1+	0.2+	970115 046	0.0	0.1-
850920 809	1.1-	0.0	950726 046	0.1+	0.3+	970115 046	0.0	0.1+
850920 809	0.7-	0.0	950730 046	0.3+	0.1+	970116 046	0.6-	0.1-
850922 809	0.1+	0.0	950730 046	0.4+	0.3+	970116 046	0.5-	0.2-

(7396)* 1986 EQ₂ = 1979 VE₃ = 1989 US₆ = 1991 EH₅ = 1994 XA

Discovered 1986 Mar. 4 by W. Ferreri at the European Southern Observatory.

Id. K. Kinoshita (*MPC* 24385)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	156.61083		(2000.0)	P		Q	
<i>n</i>	0.19748540	ω	224.45081	+0.67768035		-0.73535518	
<i>a</i>	2.9204250	Ω	182.88769	+0.68244112		+0.62964848	
<i>e</i>	0.0903830	<i>i</i>	1.64943	+0.27390410		+0.25059042	
<i>P</i>	4.99	<i>H</i>	12.8	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

791114 095	(1.7-	4.2+)	920503 809	(2.6+	1.9+)	941208 046	0.4+	0.3+
860304 809	1.7-	0.4+	941127 894	(2.4-	0.4-)	941208 046	0.3+	0.5+
860304 809	0.1-	0.2-	941127 894	1.0-	0.5-	941217 046	0.6-	0.7-
860305 809	2.3-	0.7+	941128 399	1.6-	0.0	941217 046	0.1+	0.0
860305 809	1.3+	0.4-	941128 399	1.1-	0.7+	941217 046	0.4+	0.7+
860310 809	1.3+	0.5-	941129 399	0.3+	1.4-	941217 046	0.2-	0.0
860310 809	0.2+	0.2-	941129 399	1.0-	1.0-	941218 046	0.3-	0.1-
860314 809	1.4+	1.6-	941201 046	(4.5+	0.1+)	941218 046	0.0	0.1-
860314 809	0.1-	0.3+	941201 046	0.6-	1.5+	941218 046	0.1-	0.3-
880816 675	0.1-	0.4+	941203 046	0.4+	0.1+	941224 046	0.4+	0.1+
880816 675	0.2-	0.6+	941203 046	0.6+	0.1+	941224 046	0.6-	0.4-
891026 033	0.5-	0.3+	941203 046	0.3+	0.3+	941224 046	0.2+	0.2-
891026 033	0.2+	0.2-	941203 046	0.9+	0.2-	960308 689	0.0	1.4-

891028 033	0.4-	1.4-	941203 046	0.7+	0.1-	960317 566	0.5-	0.6-
910314 809	0.6+	1.4+	941203 046	1.0+	0.0	960317 566	0.8-	0.7-
910314 809	1.1+	1.0+	941205 046	0.2+	0.3+	960317 566	0.9-	0.9-
910314 809	1.2+	1.1+	941205 046	0.4+	0.5+	960323 566	0.0	0.2+
910317 809	0.2-	1.0+	941205 046	0.4+	0.3+	960323 566	0.1-	0.3+
910317 809	0.1-	0.8+	941206 046	0.1+	0.3+	960323 566	0.2+	0.0
910317 809	0.2-	0.9+	941206 046	0.1-	0.3+	960520 327	0.3+	0.2-
920503 809	(3.2+	2.2+)	941206 046	0.0	0.4+	960520 327	0.0	0.8-
920503 809	(2.1+	3.1+)	941208 046	0.5+	0.1+	960520 327	0.3-	0.1-

(7397)* 1986 QS = 1963 TP = 1977 RX₄ = 1991 TW

Discovered 1986 Aug. 26 by H. Debehogne at the European Southern

Observatory.

Id. R. Nagata (*MPC* 19297)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	13.75654		(2000.0)	P		Q	
<i>n</i>	0.21220449	ω	59.87077	+0.65838277		-0.75211361	
<i>a</i>	2.7837678	Ω	348.80622	+0.62823554		+0.57053486	
<i>e</i>	0.1638937	<i>i</i>	8.67455	+0.41455064		+0.32987131	
<i>P</i>	4.64	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

510204 675	0.1+	0.1-	860904 809	0.5-	0.5-	910914 675	1.1-	0.6-
510204 675	0.3-	0.3+	860905 809	0.1-	0.3+	910917 095	0.2-	0.8-
631014 760	0.7-	1.3+	860905 809	0.0	0.2+	911002 877	0.9+	0.3-
770909 095	1.3+	0.5-	860905 809	0.0	0.1+	911003 877	(2.4-	0.2-)
860826 809	0.1-	0.0	860905 809	0.3-	0.5-	911007 364	1.3-	0.6-
860826 809	0.1-	0.2+	860905 809	0.1-	0.5-	911007 364	0.7-	0.0
860826 809	0.3+	0.0	860905 809	0.1+	0.5-	911012 364	(0.8-	4.1+)
860827 809	0.1-	0.0	860906 809	0.2+	0.0	911012 364	(0.9+	3.5+)
860827 809	0.1+	0.1+	860906 809	0.4+	0.0	911013 364	(2.2+	0.1+)
860827 809	0.6+	0.1-	860906 809	0.5+	0.1-	911013 364	1.7+	1.6+
860829 809	0.1+	0.1+	860906 809	0.0	0.4+	911013 364	0.5-	0.5+
860829 809	0.2+	0.2+	860906 809	0.3-	0.3+	911013 364	(2.2-	3.1+)
860829 809	0.2+	0.2+	860906 809	0.0	0.2-	911015 376	0.8-	1.5+
860831 809	0.2-	0.1-	860906 809	0.0	0.2-	911015 376	(2.2-	0.5+)
860831 809	0.2-	0.0	860906 809	0.0	0.4-	920206 801	0.7-	0.3-
860831 809	0.3-	0.1-	860906 809	0.1-	0.7-	920206 801	0.1+	0.2-
860901 809	0.5-	0.4-	860907 809	0.5-	0.5-	930123 675	0.9-	1.1+
860901 809	0.5-	0.0	860907 809	0.3-	0.2-	930123 675	0.5-	1.2+
860901 809	0.6-	0.3-	860907 809	0.2-	0.0	930218 801	0.1+	1.2-
860901 809	0.7-	0.0	860908 809	0.3+	0.7+	930218 801	0.3+	0.9-
860901 809	0.5-	0.0	860908 809	0.5+	0.7+	930226 801	0.1+	0.4-
860901 809	0.2-	0.0	860908 809	0.7+	0.6+	930226 801	0.0	0.8-
860902 809	0.6-	0.0	860908 809	0.5+	0.0	930322 801	0.7-	0.2-
860902 809	0.5-	0.1+	860908 809	0.6+	0.3-	930322 801	0.8+	0.6+
860902 809	0.4-	0.0	860908 809	0.6+	0.5-	961111 689	0.5-	0.3-
860902 809	0.4-	0.5+	860908 095	0.4-	0.4-	961112 689	1.4+	0.1-
860902 809	0.4+	0.5+	860909 809	0.3+	0.0	961114 801	1.1-	1.7-
860902 809	0.3-	0.7+	860909 809	0.3+	0.5-	961114 801	0.3+	0.9-
860903 809	1.2-	0.6+	860909 809	0.6+	0.7-	961201 689	1.1-	0.5+
860903 809	1.3-	0.3+	860911 809	0.7+	0.3+	961207 127	0.6+	0.3+
860903 809	1.2-	0.1-	860911 809	0.8+	0.4+	961207 127	0.7+	0.4+
860903 809	0.2-	0.3+	860911 809	1.0+	0.4+	961209 801	0.1+	0.1+

860903	809	0.1−	0.4+	860911	809	0.8+	0.3−	961209	801	0.2+	0.2−
860903	809	0.0	0.2+	860911	809	0.8+	0.4−	961210	801	0.0	0.9−
860904	809	0.4−	0.2+	860911	809	1.2+	0.4−	961210	801	0.2+	1.2−
860904	809	0.2−	0.3+	860912	809	1.5+	0.4−	961212	127	0.1+	1.5+
860904	809	0.1−	0.1+	860912	809	1.4+	0.4−	961212	127	0.5+	1.1+
860904	809	0.7−	0.3−	860912	809	1.3+	0.6−				
860904	809	0.6−	0.6−	910914	675	0.9−	0.5−				

(7398)* 1986 VM = 1983 XZ = 1994 BY₃

Discovered 1986 Nov. 3 by A. Mrkos at Klet.

Id. G. V. Williams (*MPC* 23336)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	281.21542		(2000.0)		P		Q
<i>n</i>	0.30332046	ω	245.88382	−0.89372227			−0.44052063
<i>a</i>	2.1938230	Ω	267.88490	+0.43624345			−0.80924489
<i>e</i>	0.0361992	<i>i</i>	4.87160	+0.10465259			−0.38866990
<i>P</i>	3.25	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

541222	675	0.1+	0.3+	940130	010	0.0	0.4−	950709	046	0.1−	0.2+
541222	675	0.6+	0.3−	940130	010	0.3+	1.1−	950709	046	0.2−	0.2−
831205	046	(3.8+	2.9−)	940131	010	0.1−	1.8+	950709	046	0.2+	0.1−
831205	046	(4.0+	2.6−)	940131	010	0.1−	1.3+	961130	046	0.0	0.2+
861028	046	(5.5−	0.3+)	940131	010	1.7−	1.5+	961130	046	0.3−	0.1+
861028	046	(7.1−	3.2−)	940212	691	0.8−	0.2+	961130	046	0.1+	0.1+
861103	046	0.6+	2.5−	940212	691	1.5−	0.2+	961203	046	0.1+	0.1−
861103	046	(3.2−	2.1−)	940212	691	1.6−	0.2−	961203	046	0.0	0.1−
861107	046	(3.6−	1.6−)	950619	046	0.2+	0.1−	961203	046	0.0	0.0
861107	046	1.9−	0.4−	950619	046	0.0	0.4+	961230	046	0.0	0.2+
910416	675	1.7−	0.3−	950619	046	0.2+	0.2−	961230	046	0.3+	0.2+
910416	675	0.3−	0.3−	950620	046	0.2−	0.2+	961230	046	0.1−	0.5+
940116	010	1.2+	0.3+	950620	046	0.3−	0.0	970112	046	0.5+	0.7+
940116	010	1.6+	1.1−	950620	046	0.4+	0.5+	970112	046	0.6+	0.7+
940117	010	0.8+	2.0−	950708	046	0.1+	0.2+	970112	046	0.6+	0.8+
940117	010	(0.8+	2.2−)	950708	046	0.2+	0.0				
940117	010	1.6+	1.5−	950708	046	0.1+	0.1+				

(7399)* 1987 BC₂ = 1965 UU = 1972 VH₁ = 1989 SV

Discovered 1987 Jan. 29 by E. W. Elst at the European Southern Observatory.

Id. T. Kobayashi (*MPC* 15414)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	9.91098		(2000.0)		P		Q
<i>n</i>	0.28629481	ω	120.02490	+0.82292805			−0.56416081
<i>a</i>	2.2799591	Ω	274.39783	+0.49530692			+0.77031029
<i>e</i>	0.1968920	<i>i</i>	3.86293	+0.27831723			+0.29722826
<i>P</i>	3.44	<i>H</i>	13.9	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

651030	760	0.1+	1.1−	890929	399	0.7−	1.6+	940210	691	0.6−	0.2−
651030	760	0.9−	1.1+	891003	399	0.7−	0.8+	940210	691	0.4−	0.1+
721109	095	(1.0+	3.3+)	891003	399	0.2−	0.7−	940211	691	0.6−	0.1+
820914	675	1.7−	0.2+	891003	399	0.7+	1.0−	940211	691	0.8−	0.0
820914	675	1.3−	0.2−	891022	046	(3.6+	0.1+)	940211	691	0.8−	0.1+
870129	809	0.3+	0.5+	891022	046	(4.2+	0.6+)	940212	691	0.8−	0.1−

870129	809	0.5−	0.5−	891023	046	1.1+	1.4+	940212	691	0.7−	0.3−
870130	809	1.3−	0.7−	891023	046	1.7+	0.2−	940212	691	0.2−	0.4−
870130	809	1.0−	0.1−	891024	095	(0.4+	2.7−)	940304	560	0.8+	0.2+
870131	809	1.0+	1.7+	891024	095	0.9+	2.1−	940304	560	(2.1+	1.4+)
870131	809	1.2+	0.3+	891024	046	2.5+	1.1+	940304	560	(2.2+	1.3+)
870202	809	0.5+	0.2+	891024	046	(2.7+	0.4+)	961030	689	0.8−	0.5+
870202	809	1.6+	0.6−	891026	095	1.0−	2.3−	961111	801	0.6−	0.3+
870203	809	0.7−	0.9+	891026	095	(0.9−	2.8−)	961111	801	0.5−	0.2+
870203	809	0.1+	0.4+	891028	046	(3.7+	1.7−)	961111	689	2.0−	0.8−
870203	809	1.4+	0.4−	891028	046	(5.6+	1.7−)	961112	801	0.5−	0.1−
870203	809	0.8+	0.4+	910414	675	0.2−	0.0	961112	801	0.0	1.3+
870205	809	0.2+	0.1+	910414	675	0.4−	0.2+	961112	689	0.2+	0.9−
870205	809	1.3+	0.4−	910419	675	1.7+	0.5+	970107	801	0.3+	0.1+
890929	399	1.8+	1.0+	910419	675	0.7+	0.1+	970107	801	1.1+	0.5+
890929	399	0.1+	0.4+	940210	691	1.1−	1.2−				

(7400)* 1987 QW₁ = 1977 UV = 1982 QV₁

Discovered 1987 Aug. 21 by E. W. Elst at the European Southern

Observatory.

Id. T. Kobayashi (*MPC* 12950)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	279.96863		(2000.0)		P		Q
<i>n</i>	0.19403923	ω	181.98529	+0.95721495			+0.28916718
<i>a</i>	2.9549016	Ω	161.19529	−0.26502480			+0.89134002
<i>e</i>	0.1033533	<i>i</i>	1.96277	−0.11619555			+0.34913508
<i>P</i>	5.08	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

771016	675	0.9−	0.2+	870831	809	0.7−	1.4−	920803	801	0.8+	0.9+
771017	675	0.2−	0.5+	870831	809	1.3−	1.2−	950301	691	0.9−	1.5−
810508	675	0.5−	0.0	900227	809	0.9−	1.4−	950301	691	0.9−	0.9−
810509	675	0.2+	1.2−	900227	809	0.6−	1.4−	950307	691	0.5−	0.5−
820822	809	0.9+	1.3+	900227	809	0.1−	1.5−	950307	691	0.9−	0.6−
820822	809	0.2−	1.2+	900302	809	0.7+	1.1−	950307	691	1.1−	0.7−
820822	809	0.6+	1.2+	900302	809	0.8+	1.3−	960324	809	(2.5+	0.2+)
870821	809	0.1−	1.1+	900302	809	0.9+	1.4−	960324	809	1.7+	0.2+
870821	809	0.9−	0.5+	920724	809	1.6+	0.2+	960324	809	1.3+	0.0
870821	809	0.2−	0.9+	920724	809	0.5+	0.8−	960327	809	(3.0+	2.3+)
870826	809	0.2+	0.5−	920724	809	0.0	1.6−	960327	809	(3.0+	2.2+)
870826	809	0.2−	1.3−	920726	809	1.5+	1.1−	960327	809	(2.1+	2.5+)
870826	809	0.2+	0.4−	920726	809	0.3+	1.7−	960415	809	0.3−	0.5+
870828	809	0.1+	0.8−	920726	809	0.6+	1.3−	960415	809	1.5−	0.4+
870828	809	0.9+	0.0	920730	801	0.6+	0.5+	960415	809	1.1−	0.5+
870828	809	0.7+	0.9−	920730	801	0.7+	0.6+	960417	809	0.4+	1.7+
870831	809	1.6−	0.3−	920730	809	0.3+	1.2−	960417	809	0.7+	0.6+
870831	809	0.7+	0.2−	920730	809	0.8−	1.6−	960417	809	0.1−	1.4+
870831	809	0.2−	0.3−	920730	809	0.9−	1.3−				
870831	809	1.3−	1.5−	920803	801	0.8+	1.0+				

(7401)* 1987 QW₇ = 1980 WP₂

Discovered 1987 Aug. 21 by E. W. Elst at the European Southern Observatory.

Id. T. Kobayashi (*MPC* 14620)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5					Williams				
<i>M</i>	114.25258		(2000.0)		P		Q		
<i>n</i>	0.25893866	ω	143.84070		+0.98560867		−0.16713632		
<i>a</i>	2.4378377	Ω	225.80164		+0.14562287		+0.91553974		
<i>e</i>	0.1853440	<i>i</i>	2.02379		+0.08584596		+0.36585850		
<i>P</i>	3.81	<i>H</i>	14.2		<i>G</i> 0.15		<i>U</i>	2	
Residuals in seconds of arc									
801130 095	0.6+	0.0	910905 511	0.6−	1.3−	910917 675	1.4+	0.3+	
801210 095	1.0−	0.8+	910906 511	0.4−	1.3−	910917 675	0.7+	1.6+	
870821 809	1.6+	1.2−	910906 046	2.0−	1.1+	910917 675	1.5+	0.1−	
870821 809	0.8+	0.9−	910906 046	1.1−	0.8+	910917 675	1.0+	0.8+	
870821 809	1.5+	1.7−	910907 511	1.6+	0.6−	940510 675	0.8+	0.3−	
870822 809	0.8−	1.6+	910909 046	1.2−	0.9−	940608 675	0.1−	1.0+	
870822 809	0.1+	1.9+	910909 046	1.1−	1.0−	940608 675	1.7−	0.1−	
870825 809	0.9+	1.4+	910911 675	1.0+	1.2−	951002 691	0.5−	0.0	
870825 809	0.4+	1.1+	910911 675	(2.1−	0.9+)	951002 691	0.4−	0.1−	
870825 809	1.1+	0.6+	910911 095	(4.1+	2.4−)	951002 691	0.2−	0.1−	
870827 809	1.5−	0.1−	910911 095	(1.7+	2.4−)	951023 046	0.4−	0.1−	
870827 809	1.3−	0.2−	910912 691	1.5−	0.4+	951023 046	1.5+	0.8−	
870827 809	0.3+	0.4+	910912 691	1.6−	0.2−	951025 684	0.5+	0.0	
910808 675	1.8−	1.0−	910912 691	1.4−	0.2+	951025 684	0.1−	0.1+	
910808 675	0.0	0.2−	910912 095	0.5−	0.4−	951025 684	0.4−	0.5+	
910808 675	0.5−	0.5−	910912 095	(0.6−	3.0−)	951026 684	0.7+	1.2+	
910904 413	0.3+	0.7+	910914 095	(0.1−	3.1+)	951026 684	1.5+	0.3+	
910904 095	(1.4+	5.4+)	910915 675	1.5+	0.3+				
910904 095	1.0−	1.1−	910915 675	1.9+	0.1+				

(7402)* 1987 YH = 1956 ET = 1970 EQ₂ = 1982 VN₉

Discovered 1987 Dec. 25 by T. Kojima at the YGCO Chiyoda Station.

Id. T. Kobayashi (*MPC* 12951), E. Goffin

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5						Nakano					
<i>M</i>	342.07594		(2000.0)		P		Q				
<i>n</i>	0.21274946		ω		292.53768		+0.10446368		−0.99214293		
<i>a</i>	2.7790119		Ω		151.20285		+0.95689732		+0.08140753		
<i>e</i>	0.2050107		<i>i</i>		8.21684		+0.27098867		+0.09500121		
<i>P</i>	4.63		<i>H</i>		13.1		<i>G</i> 0.15		<i>U</i> 2		
Residuals in seconds of arc											
560309 760	1.0−	2.3+	880114 894	(2.9+	0.3+)	911007 675	0.1+	0.0			
700304 805	0.9+	1.8−	880114 894	1.1−	0.1−	911007 675	0.0	0.3−			
700304 805	0.8+	1.7−	910902 413	0.3−	0.9+	911008 675	1.0−	1.0−			
700304 805	(1.4+ 2.7−)		910903 413	0.4+	0.8+	911009 801	0.8−	0.3+			
821110 095	1.7+	1.6+	910913 675	0.2−	0.2−	911009 801	0.9−	0.2+			
871225 897	1.6−	0.6−	910913 675	0.3−	0.0	961110 801	0.2+	0.1−			
871225 897	0.7−	0.0	910916 675	0.5+	0.8−	961110 801	1.3+	0.6+			
871230 897	1.3+	0.7+	910916 675	0.5+	0.5−	961111 801	0.9+	1.4−			
880110 897	0.5−	0.9+	911002 675	0.3+	0.0	961111 801	1.0+	1.4−			
880110 897	0.5+	0.6+	911002 675	0.5−	0.4+	961201 689	1.8−	0.2−			

(7403)* 1988 AV₁ = 1951 YQ₂ = 1979 BQ₂

Discovered 1988 Jan. 14 by A. Mrkos at Klet.

Id. R. Nagata (*MPC* 18429)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5					Williams				
M	5.41540		(2000.0)		P		Q		
n	0.21974889	ω	337.38159		+0.03944161		−0.98938511		
a	2.7196828	Ω	110.12696		+0.93804817		−0.01156058		
e	0.2734589	i	8.56660		+0.34425279		+0.14485669		
P	4.49	H	14.3		G	0.15	U		2
Residuals in seconds of arc									
511108 675	0.2+	0.4+	910912 675	0.3−	0.0	961212 046	0.2+	0.1−	
511108 675	0.0	0.3+	910916 675	0.6+	0.2−	961212 046	0.2+	0.1−	
511228 711	(17.6+	2.2−)Y	910916 675	0.3+	1.0−	961215 046	0.1+	0.3+	
790127 675	0.6+	0.2+	950730 046	1.0−	0.6+	961215 046	0.3+	0.1+	
790129 675	1.1+	0.6−	950730 046	0.4−	0.4+	961215 046	0.2+	0.0	
880114 046	(6.8−	0.1+)	950730 046	0.5−	1.4+	970115 046	0.3+	0.0	
880114 046	(5.0−	0.7+)	950801 046	0.1+	0.0	970115 046	0.2+	0.0	
880115 046	1.0−	0.2+	950802 046	0.7−	0.4−	970116 046	0.3+	0.1−	
880115 046	(2.9−	0.1+)	950802 046	0.2−	1.4−	970116 046	0.3+	0.0	
880116 046	(1.6+	3.3+)	950803 046	0.1+	1.3+	970116 046	0.2+	0.1+	
880116 046	0.3−	1.1+	950803 046	0.9+	1.3+	970116 046	0.3+	0.2+	
880120 046	0.6−	0.6+	950803 046	1.3+	0.5+	970116 046	0.2+	0.2+	
880120 046	2.4−	0.0	961212 046	0.1+	0.2−				
910912 675	0.3−	0.7−	961212 046	0.2+	0.1−				

(7404)* 1988 AA₅ = 1982 SN₁₂ = 1982 SR₁₂

Discovered 1988 Jan. 13 by H. Debehogne at the European Southern Observatory.

Id. H. Oishi (*MPC* 14621), N. S. Chernykh (d, *ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5					Williams				
<i>M</i>	349.90434		(2000.0)		P		Q		
<i>n</i>	0.21083450	ω	208.62787		+0.75040186		−0.66049546		
<i>a</i>	2.7958139	Ω	192.80731		+0.62614900		+0.72262110		
<i>e</i>	0.2817676	<i>i</i>	6.56751		+0.21174156		+0.20387373		
<i>P</i>	4.67	<i>H</i>	13.5		<i>G</i> 0.15		<i>U</i>	1	
Residuals in seconds of arc									
510104 675	1.4+	0.6+	880118 809	0.3−	0.2−	910805 675	0.8+	0.4−	
510104 675	1.0−	1.7−	880118 809	0.3−	0.2+	910809 675	1.3+	0.7+	
820919 095	0.5−	0.3−	880120 809	0.7−	0.1−	910809 675	1.4+	0.4+	
820919 095	(2.0−	6.6−)	880120 809	0.5−	0.1−	910811 801	0.1−	0.2+	
820924 095	1.4−	2.3+	880121 809	0.3−	0.0	910811 801	0.4−	0.1+	
820927 095	1.1+	1.4−	880121 809	0.2−	0.1+	910812 801	0.8−	0.0	
880113 809	0.3−	0.0	880123 809	0.1+	0.0	910913 675	0.1+	0.2−	
880113 809	0.5+	0.0	880123 809	0.5−	0.2+	910913 675	0.2−	1.1−	
880113 809	1.0+	0.1+	880125 809	0.0	0.5+	960901 689	0.6+	0.1−	
880114 809	0.5−	0.3−	880126 809	0.2+	0.2−	960902 689	(0.2−	2.6−)	
880114 809	0.3−	0.1−	880128 809	1.1+	0.1−	961015 801	0.8+	0.3+	
880114 809	0.1−	0.4−	910713 675	0.6−	0.7−	961209 801	0.2−	0.6−	
880116 809	0.1+	0.5+	910719 675	1.6−	0.5−	961210 801	0.1+	0.5−	
880116 809	0.1+	0.5+	910719 675	0.6+	0.2−				
880116 809	0.3+	0.1+	910805 675	0.9−	0.9+				

(7405)* 1988 FF = 1979 HB₆ = 1993 KBDiscovered 1988 Mar. 16 by S. Ueda and H. Kaneda at Kushiro.
Id. S. Nakano (*MPC* 22225)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i> 261.65860 (2000.0)				P		Q			
<i>n</i>	0.21380661	ω	168.84767	-0.31460434	+0.93610844				
<i>a</i>	2.7698440	Ω	82.66889	-0.88263794	-0.22754513				
<i>e</i>	0.1667458	<i>i</i>	9.12206	-0.34924831	-0.26818689				
<i>P</i>	4.61	<i>H</i>	12.1	<i>G</i>	0.15	<i>U</i>	2		
Residuals in seconds of arc									
790428 095	1.0-	0.4-	880408 399	0.3+	0.3-	930615 104	1.0+	0.3-	
880316 399	1.1-	1.2+	880408 399	1.9+	0.4+	930615 104	0.8+	0.0	
880316 399	0.2-	0.8-	930516 894	1.1-	0.4-	930616 104	1.8+	1.0+	
880316 399	0.7+	0.5-	930516 894	1.2-	1.1-	930616 104	0.5-	0.2+	
880317 399	0.3+	0.8-	930518 894	0.2-	1.6-	941003 675	0.1-	0.8+	
880317 399	0.3+	1.2+	930518 894	0.6-	0.2+	941003 675	0.5+	1.1+	
880317 399	1.1+	0.4+	930524 361	1.2-	1.1-	951129 596	0.4+	0.2-	
880407 399	(2.8+ 0.2+)		930524 361	0.0	1.1+	951129 596	0.3-	1.2-	
880407 399	1.9+	0.3+	930524 361	0.2+	1.1+	951129 596	1.6-	0.2+	
880407 399	0.3+	0.1+	930614 104	(2.8+ 0.7+)		960219 801	1.3+	1.8-	
880408 399	1.9-	1.3+	930614 104	0.6-	1.1-	960219 801	0.4-	0.8-	

(7406)* 1988 TD = 1969 UM₂

Discovered 1988 Oct. 3 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 13687)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i> 58.77086 (2000.0)				P		Q			
<i>n</i>	0.25781819	ω	68.54560	+0.99017253	+0.13755229				
<i>a</i>	2.4448957	Ω	283.54123	-0.13599576	+0.90493995				
<i>e</i>	0.1984049	<i>i</i>	1.48844	-0.03261157	+0.40269473				
<i>P</i>	3.82	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	2		
Residuals in seconds of arc									
541123 675	0.3-	0.2+	881005 399	1.4+	1.4+	921116 399	0.6-	0.4-	
541123 675	(52.9- 12.9-)		881007 675	1.3-	0.3-	921116 399	0.6-	0.7+	
691018 095	0.3+	0.8-	881007 675	0.1+	0.8-	921118 399	0.3-	1.5+	
691105 095	0.6+	2.1-	881008 399	1.3+	0.1-	921118 399	0.6-	0.1+	
880922 399	(3.0+ 2.8+)		881011 046	0.1-	0.0	921122 596	1.7+	1.8-	
880922 399	0.4+	0.6+	881011 046	1.3+	0.5+	921122 596	0.2-	0.9-	
880922 399	0.6+	0.2+	881014 046	2.2-	0.7-	921127 399	1.7-	0.9+	
881003 399	(3.2+ 0.1-)		881014 046	1.6-	0.6-	921127 399	0.4-	0.6+	
881003 399	2.0+	0.1-	881019 399	1.2-	0.1-	940309 691	0.0	1.3-	
881003 399	0.0	0.7+	881019 399	0.2+	0.7+	940309 691	0.1+	1.2-	
881003 399	0.7+	0.7-	881019 399	0.8+	0.8+	950629 801	0.5-	0.7-	
881004 046	0.7+	0.4-	921028 399	(2.9- 1.0+)		950629 801	0.7-	0.5+	
881004 046	0.2+	2.0-	921028 399	0.3-	2.0+	961209 801	1.6+	0.8-	
881005 399	0.8+	0.5-	921102 399	1.2-	0.6-	961230 689	0.4+	0.0	
881005 399	1.2-	0.3+	921102 399	0.7-	1.0+				

(7407)* 1988 TL = 1982 BP₁₄

Discovered 1988 Oct. 3 by S. Ueda and H. Kaneda at Kushiro.

Id. G. V. Williams (*MPC* 20146)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i> 9.52447 (2000.0)				P		Q			
<i>n</i>	0.26197587	ω	141.51219	+0.19402603	-0.98071228				
<i>a</i>	2.4189591	Ω	297.28858	+0.89334274	+0.18658147				
<i>e</i>	0.1723922	<i>i</i>	1.52217	+0.40533028	+0.05823033				
<i>P</i>	3.76	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	2		
Residuals in seconds of arc									
820130 675	0.4-	0.2-	881015 399	1.4-	0.8-	921129 399	0.2+	1.3+	
820131 675	0.2+	0.5-	881016 399	0.1+	1.2+	921129 399	1.1-	0.3+	
881003 399	(5.1+ 0.3-)		881016 399	0.5+	1.0-	921215 399	0.5+	1.2+	
881003 399	(2.7+ 1.6-)		881018 399	(2.8- 0.6+)		921215 399	0.1-	0.4-	
881003 399	0.3-	1.0+	881019 399	0.8+	0.2+	921222 801	0.5+	0.6+	
881003 399	0.7-	0.5-	881019 399	(0.3+ 3.7+)		921222 801	0.8+	1.1+	
881005 399	0.7+	0.0	881019 399	0.4+	0.5-	921227 801	0.9+	0.6+	
881007 675	0.3-	1.9-	921125 675	0.1+	0.9-	921227 801	0.3+	0.8+	
881007 675	0.5+	1.5-	921125 675	(3.2- 2.2-)		961222 327	0.7+	0.2-	
881008 399	1.0-	0.6+	921127 399	1.6-	0.0	961222 327	0.3-	0.1+	
881013 399	2.1+	2.3+	921127 399	0.5-	0.1+	961222 327	0.1+	0.2+	
881013 399	0.7+	0.2-	921128 675	0.7-	0.9-	970112 367	0.2-	0.8-	
881013 399	1.4-	0.4-	921128 675	0.4+	1.1-	970112 367	0.5-	0.6-	

(7408)* 1989 SB = 1949 SM₁ = 1979 SZ₅ = 1979 UW₂

Discovered 1989 Sept. 23 by Y. Mizuno and T. Furuta at Kani.

Id. K. Ichikawa (*MPC* 15421), S. Nakano (*MPC* 25425)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i> 78.75761 (2000.0)				P		Q			
<i>n</i>	0.29606315	ω	330.57202	+0.75921498	+0.65075049				
<i>a</i>	2.2295291	Ω	348.81004	-0.58574163	+0.67595600				
<i>e</i>	0.2210760	<i>i</i>	3.18720	-0.28372409	+0.34584287				
<i>P</i>	3.33	<i>H</i>	14.2	<i>G</i>	0.15	<i>U</i>	2		
Residuals in seconds of arc									
490925 760	0.7+	0.7-	890923 403	(2.3- 0.4-)		891004 403	0.0	0.4+	
490925 760	0.1+	1.1-	890924 403	0.5-	0.6-	Y 891007 095	0.7-	1.1+	
790923 095	0.1+	0.7+	890924 403	0.6+	2.0-	Y 891021 095	0.2+	1.0+	
791016 095	1.4-	1.7+	890925 809	0.0	0.7-	910207 675	0.3-	0.1+	
880318 675	0.5+	0.1-	890925 809	0.5+	0.6-	910207 675	0.5-	1.1-	
880318 675	0.3+	1.0-	890925 809	1.0+	0.6-	950326 292	0.2-	1.9-	
890901 071	(3.4+ 0.7-)		890926 809	0.2+	0.3+	950326 292	1.5-	0.8-	
890902 071	(3.7+ 1.4+)		890926 809	0.8+	0.0	950416 292	1.0-	0.1+	
890904 071	0.2-	0.8+	890926 809	1.7+	0.2-	950416 292	0.4+	1.1-	
890904 071	0.5-	0.7+	890927 675	0.3+	0.1+	961111 689	(2.8- 0.6-)		
890923 809	0.5+	1.2-	890927 675	0.1-	0.9+	961112 689	0.4-	0.1+	
890923 809	0.7+	1.0-	890929 403	(2.5+ 2.0+)	Y	961209 801	0.3+	0.3-	
890923 809	0.6+	0.9-	890929 403	2.1-	0.1-	961209 801	0.1+	1.0-	
890923 403	0.6-	0.8-	891004 403	(0.1+ 2.3+)					

(7409)* 1990 BS = 1974 YN = 1992 SF₂₆ = 1994 EY₈

Discovered 1990 Jan. 21 by M. Arai and H. Mori at Yorii.

Id. S. Nakano (*MPC* 24738)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5					Nakano				
<i>M</i>	13.72918		(2000.0)		P		Q		
<i>n</i>	0.26824260	ω	341.42363		+0.76835323		-0.63812764		
<i>a</i>	2.3811361	Ω	58.32942		+0.59430292		+0.68277883		
<i>e</i>	0.2121541	<i>i</i>	3.31801		+0.23756546		+0.35581763		
<i>P</i>	3.67	<i>H</i>	13.0	<i>G</i>	0.15		<i>U</i>	2	
Residuals in seconds of arc									
741219	330	(10.7- 3.2+)	900130	675	0.0	0.1-	940307	399	0.2- 0.5-
900121	875	1.0- 1.8+	900223	675	0.6+	0.0	961112	801	0.6- 0.5+
900121	875	(2.7- 2.4+)	900223	675	0.2-	1.5-	961112	801	0.9- 0.5+
900124	875	0.1+ 1.1+	920920	808	0.5-	0.2-	961113	801	1.1- 0.3-
900124	875	(7.9+ 1.4-)	920930	808	0.7+	0.5+	961113	801	0.9- 0.3-
900127	675	0.8+ 1.0-	921025	808	(2.5+ 1.1-)		961207	127	1.2+ 0.2-
900127	675	0.2- 0.2-	921025	808	0.4-	0.1+	961207	127	1.1+ 0.1+
900127	875	0.3- 0.8+	940304	399	0.5+	1.0+	961212	127	0.8+ 0.2-
900127	875	0.0 0.4+	940304	399	0.2+	0.9-	961212	127	0.6+ 0.3-
900130	675	0.3+ 0.9-	940307	399	0.4-	1.0+			

(7410)* 1990 QG

Discovered 1990 Aug. 20 by T. Seki at Geisei.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	42.84891		(2000.0)	P			Q		
<i>n</i>	0.18759230	ω	53.34443	+0.93288627			-0.35596148		
<i>a</i>	3.0222198	Ω	327.40530	+0.28929706			+0.83136376		
<i>e</i>	0.3750341	<i>i</i>	5.84997	+0.21454701			+0.42676190		
<i>P</i>	5.25	<i>H</i>	14.1	<i>G</i>	0.15		<i>U</i>	2	
Residuals in seconds of arc									
740616	413	0.6+ 0.6-	900919	675	1.0+	0.7-	920226	691	0.8+ 0.5+
740723	413	0.5- 0.6-	900919	675	0.7+	0.0	920226	691	0.8- 0.1-
740723	413	0.5+ 0.7-	900920	372	0.5+	0.8-	930321	809	1.6- 1.7+
900820	372	0.9- 0.4+	900920	372	1.9+	0.4+	930322	809	1.5+ 0.9-
900820	372	2.2- 1.6+	901015	801	0.2+	0.0	961214	691	0.8- 0.0
900824	372	1.6- 1.4-	901015	801	0.1+	0.1+	961214	691	0.8- 0.2-
900824	372	0.3- 1.3+	901017	801	0.3+	0.0	961214	691	0.6- 0.0
900827	372	0.6- 0.7-	901017	801	0.1+	0.0	970112	566	0.1- 0.4-
900827	372	0.4- 0.0	901114	801	0.1+	0.2+	970112	566	0.2+ 0.6-
900828	095	(0.7+ 3.9-)	901115	801	0.2+	0.2+	970112	566	0.1+ 0.3-
900828	095	(4.3- 0.5-)	901116	801	0.1-	0.4+	970114	566	0.1- 0.4-
900831	372	0.3+ 1.5-	901116	801	1.1-	0.2+	970114	566	0.5+ 0.2-
900831	372	1.1+ 0.5-	901213	801	0.1-	0.7+	970114	566	0.2+ 0.3-
900910	372	(2.1- 5.8+)	901213	801	1.7-	0.4+	970115	566	0.3+ 0.4-
900910	372	(8.8- 5.4+)	901214	801	0.4-	0.3+	970115	566	0.3+ 0.4-
900916	675	0.9+ 0.2+	901214	801	0.9-	0.2+	970115	566	0.0
900916	675	1.0+ 0.2-	920226	691	0.2-	0.0			

(7411)* 1990 QQ₁ = 1979 SE₂

Discovered 1990 Aug. 22 by H. E. Holt at Palomar.

Id. R. Nagata (*MPC* 17447)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5					Williams						
<i>M</i>	336.48861		(2000.0)		P		Q				
<i>n</i>	0.17691814	<i>ω</i>	94.68648		+0.23435849		-0.96830335				
<i>a</i>	3.1425906	<i>Ω</i>	341.07044		+0.75245328		+0.23695039				
<i>e</i>	0.2328219	<i>i</i>	15.44594		+0.61554054		+0.07901350				
<i>P</i>	5.57	<i>H</i>	12.4		<i>G</i>	0.15	<i>U</i>	2			
Residuals in seconds of arc											
790922	095	1.3−	1.3+	900919	675	1.7+	0.8+	911205	801	0.2−	0.6+
790928	095	0.0	0.0	900919	675	1.3+	0.6+	920101	801	0.4−	0.6−
900822	675	0.9+	0.5−	900919	675	(0.0	3.8−)	920101	801	0.6−	0.2−
900822	675	0.1+	1.5−	900919	675	(0.8−	4.5−)	920108	801	0.1−	0.5−
900828	675	(2.0−	2.9−)	900920	675	0.6−	0.2−	920108	801	0.4+	0.4−
900828	675	0.3+	1.9−	900920	675	0.5−	0.0	961115	801	(0.1+	2.6−)
900914	675	(0.4+	2.9−)	901009	413	1.2−	0.1−	961115	801	0.5−	0.8−
900914	675	0.4−	1.9−	901009	413	0.4−	1.7+	961210	801	0.3+	0.3+
900916	675	0.2−	0.6+	901011	413	0.3+	1.2+	961210	801	0.2+	0.0
900916	675	0.5+	0.4−	911205	801	0.6+	0.1+				

(7412)* 1990 SL₉ = 1982 BE₁₄

Discovered 1990 Sept. 22 by E. W. Elst at the European Southern

Observatory.

Id. S. J. Bus (*MPC* 20019)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	105.89904		(2000.0)	P			Q		
<i>n</i>	0.17482229	ω	167.29081	-0.05762915			+0.99735179		
<i>a</i>	3.1676572	Ω	99.39285	-0.91984755			-0.03577385		
<i>e</i>	0.1649816	<i>i</i>	2.57736	-0.38801981			-0.06332163		
<i>P</i>	5.64	<i>H</i>	12.7	<i>G</i>	0.15		<i>U</i>	1	
Residuals in seconds of arc									
550522	675	0.2- 0.5+	900925	809	(1.8+ 4.3-)		940307	108	0.4+ 0.9-
550522	675	0.8+ 0.1-	901022	675	2.0- 0.6+		940307	108	0.9+ 0.2-
820130	675	0.1- 0.8-	901022	675	(3.1- 0.2-)		950824	801	1.1+ 0.1+
820131	675	0.0	0.5-	940305	108	1.2- 1.6+	950824	801	0.2+ 0.3-
880317	675	1.2+ 1.4-	940305	108	1.0+ 0.4-		950825	801	0.7+ 0.0
880317	675	0.9- 0.6-	940305	108	(2.8+ 0.9+)		961029	327	0.2- 1.0+
900914	675	0.3- 0.9-	940306	108	1.5- 1.8-		961029	327	1.1+ 0.6-
900914	675	0.2- 1.5-	940306	108	0.1- 0.2-		961029	327	0.2+ 0.6+
900918	675	0.6- 2.1-	940306	108	1.4- 0.4+		961029	327	0.6+ 0.7+
900918	675	1.1- 1.1-	940306	108	1.3- 1.1-		961107	327	0.3+ 0.1-
900922	809	(1.0+ 2.2-)	940306	108	1.5- 0.7+		961107	327	0.3+ 0.2+
900922	809	1.1+ 2.0-	940306	108	(3.2- 0.3+)		961107	327	0.2- 0.4+
900922	809	1.0+ 1.8-	940307	108	(2.4+ 0.5-)		961202	327	0.2+ 1.4+
900925	809	(2.1+ 3.9-)	940307	108	(2.4+ 0.7-)		961202	327	1.0+ 0.6+
900925	809	(2.5+ 3.7-)	940307	108	1.5+ 0.6-				

(7413)* 1990 SH₂₈ = 1990 TQ₈ = 1990 TD₁₆ = 1974 WR = 1979 SH₆ = 1979 UB₃ = 1992 BY₂

Discovered 1990 Sept. 24 by G. R. Kastel' at the Crimean Astrophysical

Observatory.

Id. S. Nakano (*MPC* 20927)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	50.87642	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.18148769	ω 342.20733	+0.99138997	-0.13087935
<i>a</i>	3.0896166	Ω 25.31415	+0.12126335	+0.90595152
<i>e</i>	0.1905288	<i>i</i> 0.54471	+0.04940778	+0.40264430
<i>P</i>	5.43	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

741118 095	0.4-	1.2+	920109 691	0.6+	1.2-	961120 327	0.5+	0.2+
790923 095	(4.9+	1.5+)	920109 691	0.4+	0.1-	961120 327	0.4+	0.1+
791016 095	0.5+	1.0-	920109 691	(3.2+	0.6-)	961120 327	0.1+	0.2-
900924 095	1.1-	1.8+	920126 691	0.7-	0.1-	961228 327	0.3+	0.5-
900930 095	(3.6+	0.3+)	920126 691	1.0-	0.2-	961228 327	0.1+	0.5-
901014 046	0.5+	0.2-	920126 691	0.2-	0.2-	961228 327	0.2+	0.0
901014 046	0.9+	0.1-	920204 675	1.5+	0.4+	961230 327	1.9-	0.2+
901015 046	0.3+	0.1-	920204 675	0.3+	0.3+	961230 327	0.7+	0.6+
901015 046	0.7-	0.8-	920205 691	0.4-	0.1+	961230 327	0.2-	0.3-
901015 095	0.1-	0.6-	920205 691	0.5-	0.3+			
901015 095	(0.6-	2.4-)	920205 691	0.2-	0.1+			

(7414)* 1990 TD₈ = 1990 WO₉ = 1993 FE₄₇

Discovered 1990 Oct. 13 by F. Börngen and L. D. Schmadel at Tautenburg.

Id. S. Nakano (d, *MPC* 20913), K. Ichikawa (*MPC* 24229)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	36.79334	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17348740	ω 214.69030	+0.96897390	-0.24712588
<i>a</i>	3.1838853	Ω 159.61592	+0.22946323	+0.89300227
<i>e</i>	0.2082742	<i>i</i> 0.70527	+0.09184884	+0.37613261
<i>P</i>	5.68	<i>H</i> 12.6	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

901013 033	0.8+	0.3+	950722 033	0.9-	0.4+	961204 113	0.6-	1.0-
901013 033	1.1+	0.5+	950723 033	0.1-	0.3-	961212 113	0.4-	0.2+
901014 033	0.9+	0.7+	950726 033	0.1-	0.0	961212 113	0.5+	0.2+
901018 033	0.7+	0.2+	961122 113	0.9-	1.2+	961212 113	0.2-	0.9+
901121 809	0.7-	0.6-	961122 113	0.2+	1.4+	961212 113	0.3-	0.1+
901121 809	1.2-	1.0-	961122 113	1.0+	0.8+	961228 113	0.4+	0.7+
901121 809	1.3-	0.8-	961122 113	(2.7-	1.4-)	961228 113	0.0	0.9+
930319 809	0.2+	0.1+	961204 113	0.4-	1.3-	961228 113	0.4+	0.4+
930320 809	0.0	0.3+	961204 113	0.2-	1.6-	961228 113	0.1+	0.5+
930324 809	0.4+	0.1+	961204 113	0.3-	1.1-	970114 611	0.5+	0.0
930417 413	0.3-	0.2+	961204 113	0.1-	0.2-	970114 611	0.3+	0.3-
950721 033	0.9+	1.0+	961204 113	0.1+	0.0			

(7415)* 1990 VL₈ = 1973 UG₁ = 1984 SX₆

Discovered 1990 Nov. 14 by T. Seki at Geisei.

Id. S. Nakano (*MPC* 18299)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	57.34602	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17381328	ω 240.63752	+0.98923462	+0.13990523
<i>a</i>	3.1799046	Ω 111.29206	-0.11314715	+0.91720499
<i>e</i>	0.1530443	<i>i</i> 2.63970	-0.09280408	+0.37304359
<i>P</i>	5.67	<i>H</i> 12.9	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

731026 095	1.1-	0.7-	901117 372	(2.8-	2.8+)	961201 610	0.5-	0.7+
840928 809	0.1+	0.0	901123 372	2.0-	0.5-	961202 610	0.9+	0.9-
840928 809	0.2+	0.5-	901123 372	0.0	0.1+	961202 610	0.8+	0.8-
840928 809	0.3+	0.6-	920131 691	0.1-	0.4+	961202 610	0.6+	0.7-
840929 809	1.0+	0.5-	920131 691	0.3+	1.2+	961203 610	0.6-	0.3-
840929 809	1.4+	0.6-	920131 691	0.7-	0.3-	961203 610	0.6-	0.4-
840929 809	1.5+	0.6-	920204 675	1.3+	0.7+	961203 610	0.6-	0.6-
840930 809	0.5-	0.8+	950817 372	1.3-	0.7+	961204 610	0.2+	0.2+
840930 809	0.4-	0.8+	950817 372	(0.9-	2.4+)	961204 610	0.3+	0.2+
840930 809	0.4-	0.7+	950822 372	1.0-	0.0	961204 610	0.4+	0.3+
901114 372	(0.4-	4.4+)	950822 372	0.8+	0.6+	970112 540	1.3+	0.4-
901114 372	0.5-	1.4+	961201 610	0.4-	0.2-	970112 540	0.9-	0.4-
901117 372	0.5+	1.8+	961201 610	0.4-	0.2+	970112 540	0.4+	0.4+

(7416)* 1990 WV₄ = 1970 HJ = 1993 QR₁

Discovered 1990 Nov. 16 by E. W. Elst at the European Southern

Observatory.

Id. B. G. Marsden (*MPC* 22592), S. Nakano (*MPC* 24740)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	190.62496	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27162549	ω 288.89822	-0.51197687	-0.85885425
<i>a</i>	2.3613247	Ω 191.93544	+0.81404571	-0.47923660
<i>e</i>	0.1406501	<i>i</i> 4.37644	+0.27424308	-0.18083599
<i>P</i>	3.63	<i>H</i> 13.8	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

700429 805	0.2-	0.6+	901122 809	0.4-	0.3+	950129 391	0.4+	0.5-
890729 675	2.1+	0.7-	930816 010	0.6-	1.4+	950129 391	1.3+	0.1+
901116 809	0.0	0.7+	930816 010	0.7-	0.9+	950130 400	0.5-	1.1-
901117 809	1.4+	0.3+	930816 010	1.5-	0.8+	950130 400	0.8-	0.9+
901121 809	0.5+	0.8-	930817 010	0.7-	0.4-	950304 801	0.1+	0.2+
901121 809	0.3-	0.5-	930920 675	1.0+	0.2-	950304 801	0.1-	1.0+
901121 809	0.1-	0.2-	930920 675	0.4-	0.4-	950305 801	0.5-	1.6+
901122 809	0.0	0.1+	950127 391	0.7+	0.6-	950305 801	0.7-	1.3+
901122 809	0.4-	0.4+	950127 391	0.3+	1.5-			

(7417)* 1990 YE = 1975 EK₄ = 1979 YN₇ = 1980 BY₃

Discovered 1990 Dec. 19 by M. Arai and H. Mori at Yorii.

Id. R. Nagata (*MPC* 17829)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	23.28749	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.17910186	ω 9.16411	-0.22046134	-0.97482590
<i>a</i>	3.1169941	Ω 93.57723	+0.89277880	-0.21543555
<i>e</i>	0.1705688	<i>i</i> 1.91406	+0.39286487	-0.05746285
<i>P</i>	5.50	<i>H</i> 12.9	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

750315 095	0.6+	1.6+	910107 875	0.3-	0.2-	951207 327	0.1+	0.1+
791223 095	0.1-	0.6-	910107 875	0.4-	0.0	951207 327	0.3-	0.9+
800122 095	0.0	0.7-	910109 033	0.4+	0.4+	960112 327	0.1-	0.1+
890927 675	0.4-	0.5-	910115 875	0.4-	1.4-	960112 327	0.0	0.0
890927 675	0.3+	0.9+	910115 875	0.3-	0.8-	960112 327	0.3+	0.1+
901219 875	1.4-	2.1-	910115 033	0.7+	0.4+	960115 327	0.0	0.0
901219 875	0.0	0.1+	910115 033	0.5+	0.5+	960115 327	0.1+	0.7+

901221 875 0.3- 1.3+ 910116 033 0.2+ 0.4+ 960115 327 0.7- 0.2-
 901221 875 1.2+ 1.0+ 951207 327 0.0 0.2-

(7418)* 1991 EJ₁ = 1969 AD₁ = 1980 DT₃ = 1992 OF₄

Discovered 1991 Mar. 11 by T. Fujii and K. Watanabe at Kitami.

Id. B. G. Marsden (*MPC* 21576), G. V. Williams (*MPC* 28072)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	203.07259	(2000.0)	P	Q
<i>n</i>	0.27242623	ω	34.57866	-0.99455103
<i>a</i>	2.3566953	Ω	141.30068	+0.04058340
<i>e</i>	0.0529613	<i>i</i>	7.28435	-0.29890516
<i>P</i>	3.62	<i>H</i>	13.1	<i>U</i> 2

Residuals in seconds of arc

690115 095	0.2+ 0.5+	910414 400	0.9- 1.1-	920730 809	0.8- 0.4-
800220 095	(1.0+ 3.0-)	920724 809	1.3+ 0.2-	950524 693	0.9+ 0.7+
891122 675	0.7+ 2.0-	920724 809	0.3+ 0.2-	950524 693	0.1- 0.4-
891122 675	0.5+ 1.1-	920724 809	0.4- 0.6-	950525 693	0.7- 0.6-
910311 400	(11.1+ 8.8-)	920726 809	0.8+ 0.7+	950622 691	0.2+ 0.8-
910311 400	(8.6+ 9.9-)	920726 809	0.1- 0.3+	950622 691	0.1+ 0.0
910321 400	0.4+ 0.4+	920726 809	0.0 0.8+	950622 691	0.1+ 0.4-
910321 400	0.4- 0.4+	920730 809	0.3- 0.1-		
910414 400	0.4- 1.7-	920730 809	1.1- 0.5-		

(7419)* 1991 PN₁₃ = 1983 XJ₁ = 1987 SW₁₄ = 1990 HX₂

Discovered 1991 Aug. 5 by H. E. Holt at Palomar.

Id. S. Nakano (*MPC* 19031)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	39.17917	(2000.0)	P	Q
<i>n</i>	0.22746622	ω	47.59887	+0.91093593
<i>a</i>	2.6578152	Ω	335.75591	+0.28584968
<i>e</i>	0.1869590	<i>i</i>	12.45126	+0.29746545
<i>P</i>	4.33	<i>H</i>	12.3	<i>U</i> 1

Residuals in seconds of arc

500417 675	0.1- 0.2+	910808 675	1.2- 0.1+	961201 689	0.4- 1.4+
500417 675	0.5- 0.0	910907 399	1.0+ 1.3-	961209 801	1.1- 0.9-
831203 561	0.5+ 0.1+	910907 399	0.9+ 1.6-	961209 801	0.8- 0.8-
831204 561	0.3+ 0.0	910912 675	0.3+ 0.5-	961210 801	0.6- 2.1-
870923 095	(1.3- 3.0+)	910912 675	0.4+ 0.4-	961210 801	0.9- 1.4-
870925 095	0.1- 1.0+	930218 801	0.4- 1.1-	961226 127	1.8+ 1.1-
900428 413	0.5- 1.8-	930218 801	0.3+ 0.1+	961226 127	1.7+ 1.0-
900428 413	0.3+ 1.1-	930221 801	0.8+ 0.4-	961230 689	1.4- 1.1+
900429 413	0.9- 1.2-	930221 801	0.7+ 0.1-	970107 127	0.0 0.6+
900429 413	(13.1- 0.2-)	930320 801	0.2- 0.1+	970107 127	0.2- 0.3+
910805 675	0.1- 0.4+	930320 801	0.2- 0.6+		
910808 675	0.0 0.4+	930323 801	0.4- 0.3+		

(7420)* 1991 RP₁₁ = 1976 SU₇ = 2105 T-1

Discovered 1991 Sept. 4 by E. W. Elst at the European Southern Observatory.

Id. G. V. Williams (*MPC* 20640)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	128.22396	(2000.0)	P	Q
<i>n</i>	0.25862913	ω	208.25577	+0.83547340
<i>a</i>	2.4397824	Ω	118.42259	-0.49942711
<i>e</i>	0.1530665	<i>i</i>	1.41308	-0.22925261
<i>P</i>	3.81	<i>H</i>	14.6	<i>U</i> 2

Residuals in seconds of arc

531001 675	0.3- 0.2-	910814 809	0.9+ 0.1+	940314 675	0.5- 0.1-
531001 675	0.3- 0.3-	910904 809	0.3+ 0.0	961218 327	0.4+ 0.4+
710324 675	0.1- 1.9-	910904 809	1.5- 0.2+	961218 327	0.7+ 0.2-
710325 675	0.2+ 0.3-	910904 809	1.7- 0.6+	961218 327	0.6- 0.0
710325 675	0.1+ 0.3+	910905 809	1.2+ 1.1-	970102 327	0.2+ 0.5-
710326 675	0.1+ 0.7-	910905 809	1.1- 0.7-	970102 327	0.6+ 0.2+
710327 675	0.9- 1.4+	910905 809	(2.6- 1.7-)	970102 327	0.9- 0.4+
710402 675	0.8+ 0.6-	910906 809	0.7+ 0.9+	970102 327	0.4- 0.2+
760925 095	1.8+ 1.7-	910906 809	0.2- 0.2-	970102 327	0.1+ 0.3+
910802 809	0.1- 1.6-	910906 809	0.9- 0.0	970102 327	0.6+ 0.1-
910802 809	0.1+ 0.3-	910907 809	0.4+ 0.9+	970109 691	0.4- 0.0
910802 809	0.8- 1.1-	910907 809	0.2+ 1.2+	970109 691	0.6- 0.4-
910814 809	1.3+ 0.6+	910907 809	0.7- 0.9+	970109 691	0.5- 0.5-
910814 809	1.2+ 0.2+	940314 675	(0.6- 2.5-)		

(7421)* 1992 HL = 1972 TP₉

Discovered 1992 Apr. 30 by Y. Kushida and O. Muramatsu at Yatsugatake South Base Observatory.

Id. G. V. Williams (*MPC* 22688)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	11.09547	(2000.0)	P	Q
<i>n</i>	0.23402914	ω	61.79680	-0.35957732
<i>a</i>	2.6078909	Ω	187.42766	-0.92494716
<i>e</i>	0.2019848	<i>i</i>	16.81202	-0.12319461
<i>P</i>	4.21	<i>H</i>	13.3	<i>U</i> 2

Residuals in seconds of arc

721009 033	0.5+ 2.0+	920505 896	(3.2- 1.1-)Y	960318 566	0.7- 0.9+
721009 033	0.3+ 0.3+	920511 896	0.3+ 0.2-	960318 566	0.2- 0.8+
721009 033	0.7- 0.3+	920524 896	1.5+ 0.0	960319 801	0.2+ 0.5+
721009 033	0.9- 0.3-	920726 801	0.0 0.2+	960319 801	0.4- 0.3+
891122 675	1.4+ 0.8-	920726 801	0.1+ 0.2+	960511 327	0.1+ 0.8+
891122 675	1.1+ 1.1-	930912 801	0.4- 0.6+	960511 327	0.1- 0.7+
920430 896	1.4- 0.4-	930912 801	0.5- 0.7+	960511 327	0.3- 0.2+
920430 896	0.0 0.7+	930920 801	0.8- 0.8+	960521 801	0.2- 0.7-
920501 675	0.6- 1.2-	960317 801	0.2- 0.1+	960521 801	0.1+ 0.2-
920501 675	0.9+ 0.7+	960317 801	0.1- 0.2-	960523 801	1.0+ 0.4+
920505 896	(1.4+ 4.1-)Y	960318 566	0.3- 0.8+	960523 801	0.9+ 1.6-

(7422)* 1992 LP = 1969 VF₁

Discovered 1992 June 3 by G. J. Leonard at Palomar.

Id. K. Ichikawa (*MPC* 20646)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	31.79445		(2000.0)		P		Q		Williams
<i>n</i>	0.29058239	ω	243.58551	+0.96732439			+0.24856089		
<i>a</i>	2.2574763	Ω	101.98846	-0.21058220			+0.89748994		
<i>e</i>	0.1825269	<i>i</i>	2.93053	-0.14120433			+0.36432033		
<i>P</i>	3.39	<i>H</i>	13.7	<i>G</i>	0.15		<i>U</i>	1	

Residuals in seconds of arc

691111	095	0.7+	1.0+	920608	675	0.4-	0.7-	931113	801	0.3-	1.4-
691113	095	0.8-	0.8-	920625	675	1.0+	0.8-	931210	801	0.2-	0.3-
910207	675	0.3-	0.3-	920625	675	0.8-	0.8-	931210	801	0.0	0.7-
910207	675	0.1+	0.3+	920625	675	1.8+	0.1-	931218	801	0.6+	1.1-
920503	809	(2.5+	0.5-)	920625	675	0.6+	0.1+	931218	801	(1.8+	2.2-)
920503	809	1.7+	0.9-	920626	675	0.7-	1.0-	950423	691	0.1-	0.1+
920503	809	1.5+	0.4-	920626	675	(0.5-	3.1+)	950423	691	0.1-	0.5-
920603	675	0.3-	0.4+	920627	675	0.0	0.1+	950423	691	0.2-	0.2-
920603	675	0.4-	0.4+	920627	675	1.1-	1.6-	960929	689	1.0+	1.3-
920605	675	0.6-	0.4+	920628	675	1.9-	0.8+	960930	689	0.8-	0.4+
920605	675	(2.7-	1.6+)	920628	675	1.6+	0.6-	961012	689	0.4+	0.9-
920606	675	0.7-	0.2+	920629	675	0.3-	0.1-	961230	689	0.4+	0.2-
920606	675	0.6-	0.3-	920629	675	(0.7-	2.9-)				
920608	675	1.4-	0.6-	931113	801	0.1-	1.4-				

(7423)* 1992 PT₂ = 1954 US₂ = 1982 VV₁₁ = 1991 GU₅

Discovered 1992 Aug. 2 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 21267)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	37.63457		(2000.0)		P		Q		Williams
<i>n</i>	0.28297260	ω	144.47363	+0.91453501			-0.40018179		
<i>a</i>	2.2977695	Ω	239.21913	+0.35344620			+0.86147809		
<i>e</i>	0.1423269	<i>i</i>	3.93741	+0.19672697			+0.31258605		
<i>P</i>	3.48	<i>H</i>	14.0	<i>G</i>	0.15		<i>U</i>	1	

Residuals in seconds of arc

530518	675	0.3+	0.6-	910515	675	(0.5+	2.1+)	940215	675	0.8-	0.8-
530518	675	0.4-	1.2-	910517	675	1.3+	0.3+	940215	675	0.2-	1.3-
541028	760	0.4+	0.2-	910517	675	1.3+	0.7+	940312	675	0.1-	0.9-
541028	760	(6.0+	2.0-)	920802	675	0.0	0.2-	940312	675	(0.6+	2.4-)
541221	675	0.4+	0.2-	920805	675	0.8-	0.2-	940314	675	(0.2-	2.0-)
541221	675	0.7-	0.3+	920805	675	1.6-	1.7-	940314	675	(0.6+	2.2-)
821113	095	0.8-	0.1+	920806	675	1.0+	1.3-	961111	689	0.6+	0.5+
910408	809	0.8+	0.1-	920806	675	0.3-	0.8-	961112	801	0.5+	1.0+
910408	809	0.4+	0.3-	920806	675	0.3+	0.1-	961112	801	0.1+	0.4+
910408	809	0.9-	0.6-	920806	675	0.8+	0.1-	961114	801	(2.0+	0.4-)
910410	809	0.3-	0.7+	920807	675	1.3+	0.2+	961114	801	0.4+	0.7-
910410	809	1.6-	1.0+	920807	675	0.4+	0.6+	961207	886	(2.2-	0.3+)
910410	809	1.6-	0.0	920822	675	0.3+	0.0	961207	886	0.5-	0.2-
910419	675	0.1+	0.2-	920822	675	1.1+	0.8+	961228	886	0.1+	1.2-
910419	675	0.5+	0.2+	920825	046	1.1-	1.4+	961228	886	0.0	0.8-
910515	675	0.4+	0.1-	920825	046	0.4-	1.6-				

(7424)* 1992 PS₆ = 1978 TS₅ = 1985 TG₂

Discovered 1992 Aug. 6 by H. E. Holt at Palomar.

Id. G. V. Williams (*MPC* 21585)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	340.54396		(2000.0)		P		Q		Williams
<i>n</i>	0.27374349	ω	181.51757	+0.37978642			-0.92087041		
<i>a</i>	2.3491289	Ω	246.16895	+0.84975025			+0.38491460		
<i>e</i>	0.0952214	<i>i</i>	5.52622	+0.36563204			+0.06195516		
<i>P</i>	3.60	<i>H</i>	13.5	<i>G</i>	0.15		<i>U</i>	1	

Residuals in seconds of arc

550523	675	1.3+	0.4-	920828	675	0.1+	0.6-	961103	563	0.7+	0.8+
550523	675	0.3+	0.7+	940209	596	1.0-	0.7-	961103	563	0.2-	1.5+
781008	095	0.7-	0.6+	940209	596	0.3+	0.0	961110	801	0.8+	1.3-
851011	046	(3.0-	2.0-)	940211	675	0.3-	1.2-	961110	801	0.1-	0.3+
851011	046	2.4-	0.2-	940211	675	0.2-	1.0-	961113	801	0.5+	1.6-
920806	675	0.4+	1.2-	940215	675	0.7-	0.2+	961113	801	0.0	1.9-
920806	675	0.5-	1.5-	940215	675	0.8-	0.3+	961210	801	0.8+	0.2-
920822	675	0.0	0.3+	961103	563	0.7+	0.8+	961230	689	1.5-	1.1+
920822	675	0.2+	0.1-	961103	563	0.6+	1.2+				
920828	675	0.6+	0.8-	961103	563	0.8+	0.4+				

(7425)* 1992 RO₅ = 1992 SW₂₂ = 1981 UW₁₁ = 1991 LK₁

Discovered 1992 Sept. 2 by E. W. Elst at the European Southern Observatory.

Id. S. Nakano (*MPC* 22594)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	342.68009		(2000.0)		P		Q		Nakano
<i>n</i>	0.26336284	ω	343.43712	+0.33828779			-0.93904008		
<i>a</i>	2.4104588	Ω	86.75753	+0.87020917			+0.28734005		
<i>e</i>	0.1777325	<i>i</i>	3.52355	+0.35818623			+0.18878405		
<i>P</i>	3.74	<i>H</i>	14.3	<i>G</i>	0.15		<i>U</i>	2	

Residuals in seconds of arc

811022	095	(4.1+	3.4+)	920902	809	(0.3+	2.4-)	940403	691	0.1+	1.3-
811025	675	0.2-	0.0	920902	809	(0.4+	2.7-)	940403	691	0.3+	1.5-
811026	675	0.1-	0.2-	920902	809	(0.1+	2.4-)	940403	691	0.3-	1.1-
811028	095	(5.7+	2.2+)	920903	809	0.4-	1.5-	961115	801	0.3-	0.9-
910606	809	0.2-	0.0	920922	809	1.4+	0.5+	961115	801	0.1-	1.1-
910606	809	0.0	1.1+	920922	809	0.7+	0.6+	961201	689	0.4+	0.8-
910606	809	0.2+	0.1+	920922	809	0.5+	0.2+	961210	801	0.6-	1.4+
910608	809	0.5-	0.0	920923	809	0.3-	0.4-	961210	801	0.4-	0.6-
910608	809	0.7-	0.7-	920923	809	0.5+	0.1-				
910608	809	1.1-	1.0-	920923	809	0.6+	0.4-				

(7426)* 1992 US₄ = 1971 DS = 1982 BZ_s = 1988 RT₈

Discovered 1992 Oct. 27 by A. Sugie at the Dynic Astronomical Observatory.

Id. K. Ichikawa (*MPC* 21591), E. Bowell (*ibid.*)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5									
<i>M</i>	17.81113		(2000.0)		P		Q		Nakano
<i>n</i>	0.26332029	ω	139.54028	+0.48766191			-0.87265976		
<i>a</i>	2.4107185	Ω	281.25856	+0.79412780			+0.45553725		
<i>e</i>	0.1876102	<i>i</i>	1.49052	+0.36269395			+0.17592828		
<i>P</i>	3.74	<i>H</i>	13.3	<i>G</i>	0.15		<i>U</i>	1	

Residuals in seconds of arc

540729	675	0.1-	0.1+	921027	402	1.1+	0.5-	961218	900	0.1+	0.4+
540729	675	0.9+	0.8+	921027	402	0.3-	1.1+	961218	900	0.0	0.3+
710218	095	1.0-	1.6-	921028	402	0.3+	0.9+	970112	367	0.1+	0.2+
820119	095	0.7-	0.4+	921030	402	0.6+	1.2+	970112	367	0.1-	0.1+

880910 675	0.3–	1.7+	921102 402	0.6+	0.9–	970112 402	0.1+	0.4+
880910 675	0.3+	1.5+	921102 402	0.5+	0.5–	970112 402	0.1–	0.3+
880912 675	1.4–	1.1–	921117 402	0.1–	0.4–	970112 402	0.0	0.4+
880912 675	1.3–	1.8–	921117 402	0.0	0.2+	970115 402	0.2+	0.1+
880912 071	(0.5+	2.6–)	921118 402	1.3–	0.4–	970115 402	0.2+	0.2+
880912 071	(2.9+	1.0–)	921118 402	0.3–	0.7–	970115 402	0.2+	0.1+
880915 675	1.6+	0.9–	961201 689	0.3+	0.5–	970116 402	0.3+	0.2–
880915 675	(2.6+	0.2–)	961208 327	0.4–	0.1+	970116 402	0.4+	0.2–
880916 675	0.1+	1.2–	961208 327	0.1+	0.1–	970116 402	0.3+	0.2–
880916 675	0.0	0.0	961208 327	1.0–	0.2–			

(7427)* 1992 VD = 1962 WA₂ = 1979 WT₆

Discovered 1992 Nov. 2 by N. Kawasato at Uenohara.

Id. S. Nakano (*MPC* 21593)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	26.16102	(2000.0)	P	Q
<i>n</i>	0.22886004	ω 271.77250	+0.98439065	+0.16530286
<i>a</i>	2.6470130	Ω 78.71602	–0.12677487	+0.90410046
<i>e</i>	0.0859466	<i>i</i> 3.53202	–0.12207860	+0.39405245
<i>P</i>	4.31	<i>H</i> 13.3	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

621130 760	0.0	0.5–	921118 376	(1.1+	3.8–)	950601 801	0.7–	0.7–
621130 760	(4.0–	0.2+)	921118 376	0.0	1.5–	950601 801	0.1+	0.9–
791117 095	0.9+	1.6–	921121 376	1.0+	0.6–	960915 801	0.1+	0.9+
921031 376	0.1+	1.6+ Y	921121 376	0.1+	0.0	960915 801	0.5+	1.0+
921031 376	2.2–	1.2+ Y	921129 376	(0.1–	2.6–)	961005 376	0.2–	0.6–
921102 376	0.5–	0.1+	921129 376	0.3+	1.1–	961005 376	0.4–	0.4–
921102 376	0.8+	0.0	940202 376	0.7–	1.1–	961005 376	0.2+	0.6–
921102 376	0.2–	0.6+	940202 376	0.6–	1.9+			
921102 376	0.1–	0.1+	940205 376	1.6+	0.8–			

(7428)* 1992 YM = 1955 XL₁

Discovered 1992 Dec. 24 by T. Urata at the Nihondaira Observatory.

Id. E. Bowell (*MPC* 23675)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	338.06323	(2000.0)	P	Q
<i>n</i>	0.23832648	ω 351.09206	–0.16327878	–0.95645943
<i>a</i>	2.5764468	Ω 108.02395	+0.92011752	–0.23610842
<i>e</i>	0.1148427	<i>i</i> 14.73831	+0.35598284	+0.17157558
<i>P</i>	4.14	<i>H</i> 13.1	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

551212 675	0.3–	0.5+	930128 385	1.3–	0.8–	961201 385	0.8+	0.0
551212 675	0.4+	0.2+	930128 385	1.2–	0.4+	961201 385	0.8+	0.2+
921223 885	(2.4+	0.0)	930213 385	0.0	0.4+	961201 385	0.8+	0.2+
921224 385	0.2–	0.1+	930213 385	0.2+	1.2+	961230 689	1.7–	0.1+
921224 385	0.8–	0.1+	930323 801	0.1–	0.4+	970103 385	0.3+	0.9–
930102 885	0.6+	0.1–	930323 801	0.2–	0.4+	970103 385	0.4–	0.9–
930102 885	0.7+	0.1–	940513 801	0.0	0.6–	970103 385	0.3–	0.2–
930120 385	0.2–	0.3–	940513 801	0.0	0.4+	970109 385	0.0	0.0
930120 385	0.8+	0.1+	940514 801	0.2+	0.5–	970109 385	0.6+	0.5–
930121 885	0.3+	1.7–	940610 801	0.4–	0.4–			
930121 885	0.8+	0.9+	940610 801	0.6–	0.3–			

(7429)* 1992 YB₁ = 1940 AE = 1981 SH₄

Discovered 1992 Dec. 24 by T. Hioki and S. Hayakawa at Okutama.

Id. T. Kobayashi (*MPC* 21801)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	179.23264	(2000.0)	P	Q
<i>n</i>	0.20380125	ω 226.58076	–0.75173645	+0.65945851
<i>a</i>	2.8597725	Ω 354.67591	–0.59664272	–0.68180340
<i>e</i>	0.0277889	<i>i</i> 1.60925	–0.28090884	–0.31663639
<i>P</i>	4.84	<i>H</i> 12.2	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

400113 024	0.4+	0.8+	930122 411	0.5+	1.1–	940510 801	0.3–	0.4+
810925 095	0.7–	0.1–	930122 411	0.3–	0.1+	940513 801	0.7–	0.6+
921224 877	1.0+	1.4–	930128 877	2.1–	0.4–	940513 801	0.8–	0.0
921224 877	1.3+	0.2+	930128 877	1.7–	1.2+	950826 801	0.8+	0.5–
921225 877	0.7–	0.8–	930130 411	0.4+	0.4+	950826 801	0.8+	0.9–
921225 877	0.5+	0.2–	930130 411	0.0	0.8+	950828 801	0.7+	0.3–
921230 877	0.6+	0.8–	930130 411	0.5+	0.1–	961005 691	1.0–	0.6+
921230 877	0.4+	0.9–	940414 894	0.9+	0.8–	961005 691	0.9–	0.1+
930117 411	0.4+	0.4+	940414 894	1.9+	0.5+	961005 691	1.6–	0.5+
930117 411	0.4+	0.5–	940415 894	0.7–	0.4–	961201 689	1.8+	0.4–
930117 411	0.4–	0.6+	940415 894	0.6–	0.3+			
930122 411	0.0	0.7–	940510 801	0.9–	0.2+			

**(7430)* 1993 BV₂ = 1950 TX₃ = 1950 UC = 1975 XE₁ = 1979 WW₄
= 1987 SG₁₉ = 1991 PS₃₁**

Discovered 1993 Jan. 23 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 21804)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	342.09395	(2000.0)	P	Q
<i>n</i>	0.23671694	ω 183.77285	–0.27304651	–0.95933461
<i>a</i>	2.5881126	Ω 282.08306	+0.88452326	–0.22110750
<i>e</i>	0.2456111	<i>i</i> 4.19750	+0.37823830	–0.17546676
<i>P</i>	4.16	<i>H</i> 12.7	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

501006 760	0.2–	0.0	930123 400	0.9+	0.4+	961112 689	0.9–	0.2+
501006 760	(16.2+	0.5+)	930123 400	0.0	0.7+	961209 801	0.5–	1.4–
501017 760	0.4–	0.8+	930124 400	0.1+	1.1+	961209 801	0.5–	1.6–
501017 760	1.0–	0.3+	930124 400	0.5+	0.8+	961210 801	0.4–	1.0–
751201 095	2.0+	2.3+	930128 809	0.3+	0.5–	961210 801	0.4–	1.3–
791117 095	(1.7–	3.3–)	930128 809	1.0–	1.1–	961225 127	1.4+	0.4–
870917 095	0.8–	1.5+	930128 809	1.5–	1.4–	961225 127	1.1+	0.7–
870923 095	1.7–	0.7–	930210 400	(2.4–	0.1+)	961230 689	0.6–	0.4+
910809 675	1.5+	1.3–	930210 400	0.3+	0.9+	970107 127	0.1+	0.3+
910809 675	1.3+	0.9–	930320 801	0.2–	0.1–	970107 127	0.0	0.3+
930117 402	0.3+	0.5+	930320 801	0.1–	0.0	970109 732	0.3–	0.6+
930117 402	1.2+	0.9+	930323 801	0.3–	0.2+	970109 732	0.4–	0.8+
930122 809	0.2+	1.2–	930323 801	0.3–	0.3+	970109 732	0.3–	0.6+
930122 809	0.8–	1.1–	930418 801	0.1+	0.6–	970111 732	0.4–	0.7+
930122 809	1.2–	0.8–	930418 801	0.3+	0.4+	970111 732	0.5–	0.6+
930122 402	1.3+	0.2+	961030 689	0.6+	0.5+			
930122 402	0.3+	0.7+	961111 689	0.2–	1.8–			

(7431)* 1993 FN₄₁ = 1979 SR₅ = 1984 PG = 1990 RE₄ = 1991 XO₆
= 2053 T-1

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* 23528)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	351.24971	<i>ω</i>	223.07641	+0.42690029	−0.90422340		
<i>a</i>	3.1010343	<i>Ω</i>	201.66057	+0.83803085	+0.40043293		
<i>e</i>	0.1186864	<i>i</i>	1.81186	+0.33979471	+0.14843691		
<i>P</i>	5.46	<i>H</i>	12.7	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

710324 675	0.8+	1.4−	900918 675	(1.5+ 2.5−)	950702 691	0.8−	0.1−
710324 675	0.2−	0.6−	911208 691	1.2−	0.6+	950702 691	0.6−
710325 675	1.1−	0.2+	911208 691	1.0−	0.9+	961102 560	(0.7+ 2.4−)
710325 675	1.1−	0.1−	911208 691	0.9−	0.7+	961102 560	1.2+ 1.1−
710326 675	0.3+	1.3−	930319 809	(0.7+ 2.3+)	961102 560	0.4+	0.0
710327 675	1.2+	0.5−	930320 809	(2.2+ 1.7+)	961108 560	0.6+	0.2+
790923 095	0.7−	1.1−	930324 809	1.7+	0.4−	961108 560	0.4+ 0.1−
840802 413	1.0+	0.2+	930415 691	0.8−	0.1−	961108 560	1.3+ 0.1−
840802 413	(3.3+ 0.6−)	930415 691	0.5−	0.1+	961201 689	0.8−	0.7−
900914 675	1.0+	1.7−	930415 691	0.6−	0.1−	961210 801	0.7+ 0.0
900914 675	(3.2+ 1.0−)	930421 413	(2.8− 7.0+)	961210 801	0.2−	0.7+	
900918 675	(0.2− 4.4−)	950702 691	0.9−	0.2+			

(7432)* 1993 HL₅ = 1962 PM = 1995 SI₂₉

Discovered 1993 Apr. 23 by A. C. Gilmore and P. M. Kilmartin at the Mount John Observatory.

Id. S. Nakano (*MPC* 25961)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	113.72508	<i>ω</i>	283.57495	+0.83908718	+0.54385084		
<i>a</i>	3.0883903	<i>Ω</i>	43.48073	−0.49175472	+0.76821343		
<i>e</i>	0.1555710	<i>i</i>	1.04993	−0.23261558	+0.33774900		
<i>P</i>	5.43	<i>H</i>	12.1	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

620803 760	0.4−	1.1+	930423 474	1.1−	0.2−	951019 114	2.2+	0.8+
620803 760	0.4−	1.2+	930427 474	2.1+	0.3+	951019 114	2.1+	0.3−
920209 691	0.3+	0.1−	930427 474	(2.5+ 0.8−)	951021 399	2.0−	1.7+	
920209 691	1.0−	0.1−	950926 114	0.3−	0.6−	951021 399	(2.6− 1.1+)	
920209 691	0.6+	0.0	950926 114	1.0+	0.6−	951023 691	1.0−	0.6+
930319 809	0.4+	0.7+	950928 114	1.3+	0.6−	951023 691	1.1−	0.6+
930320 809	1.4+	0.4+	950929 114	0.3+	1.1−	951023 691	1.0−	0.2+
930320 809	(3.6+ 0.3+)	951001 114	1.6+	0.7−	951027 399	0.2−	0.0	
930324 809	1.1+	0.6−	951015 691	0.8−	0.3+	951027 399	2.1−	0.5+
930417 413	0.6+	1.2+	951015 691	0.8−	0.2+	961201 689	0.4−	0.6−
930418 691	1.3−	0.4−	951015 691	0.7−	0.2+	961228 327	1.0+	0.8+
930418 691	1.4−	0.7−	951016 114	0.3+	1.4−	961228 327	0.3−	0.8+
930418 691	1.2−	0.6−	951017 114	1.4+	0.6−	961228 327	0.0	0.9+
930423 474	0.5−	0.4+	951018 114	(2.6+ 0.5−)				

(7433)* 1993 KD

Discovered 1993 May 21 at Farra d'Isonzo.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	11.45906	<i>ω</i>	4.21970	−0.92785381	+0.36781859		
<i>a</i>	2.3859920	<i>Ω</i>	197.74863	−0.34781351	−0.91306186		
<i>e</i>	0.1747965	<i>i</i>	11.66166	−0.13458483	−0.17614631		
<i>P</i>	3.69	<i>H</i>	14.3	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

890309 675	0.0	1.5+	930530 589	0.3+	0.3+	930711 595	0.7−	0.0
890309 675	0.5+	1.0+	930530 589	0.5+	0.1−	940904 595	0.1−	0.7+
930521 595	0.2+	0.2+	930530 589	0.4+	0.1+	940904 595	0.2+	0.1−
930521 595	0.0	0.4−	930531 595	0.1−	0.5+	940904 595	0.2−	0.0
930521 595	0.7−	0.3+	930531 595	0.0	0.3+	940904 595	0.3+	1.3+
930521 595	0.2−	0.1+	930531 595	0.5−	0.1+	940905 595	0.7+	1.0+
930521 595	0.3−	0.2+	930601 595	0.4+	0.1−	941009 691	0.8−	0.4+
930521 595	(2.2+ 0.0)	930601 595	0.5−	0.2+	941009 691	0.6−	0.1+	
930522 595	0.5−	0.0	930601 595	0.4+	0.6−	941009 691	0.7−	0.0
930522 595	0.3−	0.1+	930610 595	0.3−	1.1−	941009 595	0.4−	0.8−
930522 595	0.2−	0.3−	930615 595	0.7+	0.7−	941009 595	0.3−	0.1+
930523 595	0.3+	0.3+	930615 595	0.9+	0.3−	941010 595	0.8+	0.9+
930523 595	0.0	0.1+	930617 595	0.8−	0.3+	941010 595	0.2+	0.4+
930524 589	0.2+	0.2−	930617 595	0.8−	0.3+	951119 595	1.3+	0.5−
930524 589	1.7+	0.9−	930617 595	0.3−	0.0	951119 595	1.2+	0.0
930524 595	0.0	0.1+	930618 595	1.5−	0.0	951120 595	0.5+	0.3−
930524 589	0.3+	0.3−	930618 595	0.1+	0.3−	951120 595	0.7+	0.1+
930524 595	0.1−	0.1+	930618 595	0.2−	0.3−	960114 595	0.5−	1.1−
930524 595	0.0	0.3+	930621 595	1.4−	0.0	960114 595	(2.2− 0.9−)	
930525 595	0.5+	0.2−	930621 595	0.1−	0.2+	960114 595	0.5−	0.1−
930525 595	1.4+	1.8+	930622 595	0.5−	0.1−	960114 595	1.1−	0.1+
930525 589	0.7−	0.3+	930708 595	1.3+	0.2+	960214 595	0.1+	0.3+
930525 589	0.5−	0.2+	930708 595	0.1+	0.3+	960214 595	0.5+	0.1+
930525 595	0.5−	1.0+	930709 595	(1.2− 3.2−)	960222 595	0.9−	0.1−	
930528 595	0.1+	0.4−	930709 595	0.4+	1.3−	960222 595	0.6−	0.9+
930528 595	1.0+	0.3−	930711 595	0.7+	0.2−			
930530 589	0.0	0.2+	930711 595	0.3−	0.2+			

(7434)* 1994 AB₃ = 1992 OC₉

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

Id. S. Nakano (*MPC* 23129)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	358.63571	<i>ω</i>	298.78277	+0.56271027	−0.81502056		
<i>a</i>	2.2598274	<i>Ω</i>	116.32016	+0.80199090	+0.49770746		
<i>e</i>	0.1138659	<i>i</i>	8.86935	+0.20041893	+0.29669644		
<i>P</i>	3.40	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

920724 809	1.0−	0.1+	940116 411	1.0+	0.1−	950601 801	1.3+	0.8−
920724 809	0.7−	0.2−	940119 411	0.6+	1.3−	950601 801	0.9+	1.6+
920724 809	0.0	0.3−	940119 411	0.6+	0.3−	950629 801	0.2−	0.2−
920726 809	0.1+	0.2+	940203 411	0.4+	0.3+	950629 801	0.1−	0.0
920726 809	0.4+	0.5+	940203 411	0.4−	0.4−	950701 801	0.4−	0.3+
920726 809	1.1+	0.8+	940203 411	0.4+	0.1+	950701 801	1.5−	0.2−
940114 411	0.6+	0.5+	940204 399	0.4−	1.2+	961110 801	0.8−	0.3+
940114 411	0.3+	0.3−	940204 399	0.8+	0.6+	961111 801	1.0−	1.6+

940115	399	1.4–	1.3+	940205	399	1.6–	0.6+	961111	801	0.6+	0.4+
940115	399	1.9–	0.1+	940205	399	(3.5–	1.0–)	961210	801	0.2–	0.7–
940116	411	0.5+	0.4–	950528	801	0.3+	0.1+	961210	801	1.3+	1.2–
940116	411	0.8+	0.4–	950528	801	0.2–	0.2–				

(7435)* 1994 CZ₁ = 1982 VB₇ = 1987 DX₄ = 1990 BG₅ = 1991 JT₃
= 1992 SG₂₅

Discovered 1994 Feb. 8 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 23244)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P		Q	
<i>M</i>	269.17563						
<i>n</i>	0.28623108	ω	317.38124	–0.98405857	–0.17424422		
<i>a</i>	2.2802976	Ω	212.63445	+0.17571272	–0.92167233		
<i>e</i>	0.1077307	<i>i</i>	3.78558	+0.02745491	–0.34663967		
<i>P</i>	3.44	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

821109	095	1.7+	1.1–	920930	675	0.7+	0.9–	940307	400	(0.4+	2.3–)
870228	010	0.4+	0.7–	921003	675	0.4+	0.2–	940312	400	1.7+	1.0–
870228	010	0.9–	1.2–	921003	675	0.8–	1.5–	940312	400	0.4–	0.2–
870228	010	2.0–	0.2–	940208	400	(1.1+	2.3+)	961206	399	0.8+	0.2–
900129	033	0.3+	0.4–	940208	400	1.1–	0.3–	961206	399	0.6–	0.4+
900129	033	0.2–	1.4–	940211	400	1.4+	1.1+	961207	399	0.4–	1.2+
910513	033	0.9–	1.3–	940211	400	(3.7+	2.6–)	961207	399	1.4–	0.4–
910513	033	0.6–	0.8–	940301	400	0.8+	1.1+	961215	399	1.6–	0.8–
910514	033	0.2+	0.8–	940301	400	1.6+	0.5–	961215	399	0.4+	1.7+
920930	675	1.1+	0.3–	940307	400	1.8–	0.9–	961229	689	1.3+	0.8–

(7436)* 1994 CB₂ = 1976 YJ₇ = 1984 DU₁ = 1992 SJ₂₅

Discovered 1994 Feb. 8 by K. Endate and K. Watanabe at Kitami.

Id. S. Nakano (*MPC* 23244)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P		Q	
<i>M</i>	265.93801						
<i>n</i>	0.29604980	ω	288.49248	–0.99509928	+0.09153775		
<i>a</i>	2.2295961	Ω	256.77271	–0.06984965	–0.91840810		
<i>e</i>	0.0969212	<i>i</i>	2.20141	–0.06998889	–0.38489921		
<i>P</i>	3.33	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

761220	095	0.1–	0.4–	940217	886	0.9+	1.9+	950825	801	0.1+	0.3–
840226	095	(4.2+	4.7–)	940217	886	0.7+	0.4–	950825	801	0.0	0.0
920930	675	0.4–	0.3+	940307	400	0.4+	0.4+	950830	801	0.3+	0.4–
920930	675	0.3–	0.8+	940307	400	0.3+	1.5–	950830	801	0.1–	0.6–
921003	675	0.5–	1.4+	940314	675	0.7+	1.3+	961030	689	(2.6–	0.2+)
921003	675	0.3+	1.1+	940314	675	0.6+	0.4–	961112	689	1.4–	1.4+
940208	400	1.0–	0.8–	950801	801	0.5+	0.5–	961209	801	0.6+	1.4–
940208	400	1.9–	0.2–	950801	801	0.4+	0.1+	961209	801	0.1+	1.2–
940211	400	1.1+	0.9+	950821	397	0.3–	0.7–	961210	801	0.3+	0.4–
940211	400	1.6–	0.7–	950821	397	0.5–	1.2–	961210	801	0.1–	0.1–
940213	886	(1.4–	3.2+)	Y 950822	801	0.1+	0.0				
940213	886	(2.8+	0.2+)	Y 950822	801	0.2+	0.1+				

(7437)* 1994 EF₃ = 1979 BA₃

Discovered 1994 Mar. 12 by V. Goretti and A. Boattini at Cima Ekar.

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P		Q	
<i>M</i>	37.92402						
<i>n</i>	0.27399379	ω	287.12572	+0.58887970	–0.80325462		
<i>a</i>	2.3476981	Ω	126.45791	+0.77736837	+0.53263018		
<i>e</i>	0.0871500	<i>i</i>	6.38596	+0.22117667	+0.26662165		
<i>P</i>	3.60	<i>H</i>	14.2	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

790127	675	0.3–	1.3–	940407	111	(2.5+	3.1–)	960909	104	0.3–	0.8–
790129	675	0.2+	0.4–	940407	111	1.0+	0.8–	960909	104	0.0	0.7–
940312	098	0.5–	0.7+	950719	104	0.4–	0.4+	960909	104	0.2+	0.3–
940313	098	0.5–	0.9–	950719	104	0.2–	0.9+	961229	104	0.4+	2.1+
940314	098	(5.1–	4.9+)	950719	104	0.1+	0.6+	961229	104	0.7–	0.7+
940314	098	(4.0–	4.5+)	950719	104	0.7–	1.2+	961229	104	0.4–	1.0–
940319	108	0.1+	0.7–	950719	104	0.0	1.1–	970115	108	0.6+	1.3–
940319	108	0.9–	0.1+	950719	104	0.5+	1.0–	970115	108	1.4+	0.8–
940319	108	0.5+	0.9+	950719	104	0.8+	1.3–	970115	108	1.2–	0.2+
940406	111	(2.1–	3.2+)	950719	104	0.4+	0.8–				
940406	111	0.1–	0.3–	950720	104	0.2+	1.8–				

(7438)* 1994 JE₁

Discovered 1994 May 12 by A. Nakamura at Kuma Kogen.

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P		Q	
<i>M</i>	297.37868						
<i>n</i>	0.27157122	ω	67.59124	–0.68977502	–0.71808925		
<i>a</i>	2.3616392	Ω	66.36465	+0.62159864	–0.65285761		
<i>e</i>	0.1443790	<i>i</i>	5.79570	+0.37124864	–0.24109079		
<i>P</i>	3.63	<i>H</i>	14.6	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

880911	675	0.0	1.1+	950605	360	0.5+	0.2–	961010	360	0.1+	0.2–
880911	675	0.6–	0.8+	950605	360	0.7–	0.4+	961010	360	0.1+	0.4–
940512	360	0.1–	0.5–	950605	360	0.1–	0.7+	961010	372	0.5+	0.8+
940512	360	0.2+	0.0	950726	360	0.6–	0.6–	961014	372	0.6+	0.4+
940516	360	0.0	0.1+	950727	360	0.3–	0.4–	961015	372	(2.5–	0.5+)
940516	360	0.6–	0.2–	950727	360	0.7–	1.1–	961016	372	0.1–	0.3+
940518	360	0.2+	0.2–	950727	360	0.3–	1.4–	961019	372	1.0+	0.6–
940518	360	0.4+	0.8–	950731	360	0.0	0.7–	961020	372	0.1–	0.1–
940603	360	0.1–	0.2–	950731	360	0.5–	0.9–	961106	360	0.1–	0.3–
940603	360	0.3–	0.1–	950816	360	1.0+	0.3+	961106	360	0.3+	0.4–
940615	360	0.2+	0.1+	950816	360	0.0	0.4+	961113	360	0.1+	0.5–
940615	360	0.6–	0.6+	950818	360	0.6+	0.1+	961113	360	0.2+	0.4–
950601	360	0.4+	0.2–	950818	360	0.8+	0.5+	961201	689	1.7–	0.5–
950601	360	0.1–	0.2+	950818	360	0.9+	0.2+				

(7439)* 1994 XG₁ = 1979 HX

Discovered 1994 Dec. 6 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 24576)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P		Q	
<i>M</i>	133.22886						
<i>n</i>	0.23257620	ω	62.34192	–0.64893233	–0.75735995		
<i>a</i>	2.6187409	Ω	68.30976	+0.66757177	–0.61264178		
<i>e</i>	0.0663131	<i>i</i>	4.49056	+0.36501338	–0.22599991		
<i>P</i>	4.24	<i>H</i>	13.7	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

790419	807	0.3−	0.3−	950102	010	0.4+	0.0	960513	691	1.6−	0.8−
790426	807	0.3−	0.4−	950102	010	0.6−	0.9+	960513	691	1.6−	0.8−
790426	807	0.1+	0.3−	950103	010	1.6+	0.7+	960514	566	0.1+	0.1−
890930	675	0.4−	0.5+	950104	010	(3.6+	0.7+)	960514	566	0.1+	0.3−
890930	675	0.1−	0.7+	960420	809	1.3+	0.6−	960514	566	0.2+	0.2−
941206	411	0.5+	0.8−	960420	809	1.1+	0.6−	960522	809	0.6+	1.8+
941206	411	0.3+	0.4+	960420	809	0.5+	0.2−	960522	809	0.3+	1.3+
941207	411	0.5−	0.0	960421	809	0.2+	0.5−	960522	809	0.2+	1.9+
941207	411	0.4+	0.1−	960421	809	0.1−	1.0−	960523	809	1.0+	1.8+
941214	411	0.6−	0.1+	960421	809	0.9−	0.7−	960523	809	1.3+	1.7+
941214	411	1.4−	0.8+	960513	691	1.9−	1.1−	960523	809	0.7+	1.6+

(7440)* 1995 EA = 1980 PL₄

Discovered 1995 Mar. 1 by M. Tichý at Kleť.

Id. G. V. Williams (*MPC* 25074)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	187.37488		(2000.0)	P	Q
<i>n</i>	0.23642072	ω	318.34151	−0.28832082	−0.95224260
<i>a</i>	2.5902739	Ω	148.03327	+0.92105804	−0.30450511
<i>e</i>	0.1657409	<i>i</i>	10.94543	+0.26176933	+0.02259819
<i>P</i>	4.17	<i>H</i>	14.1	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

800804	675	0.6−	0.1−	950306	046	0.4+	0.0	960524	046	0.1−	0.5+
800805	675	0.4+	0.9+	950306	046	0.0	0.1+	960525	046	1.1+	0.5−
891106	675	0.0	0.2+	950306	046	0.2+	0.1+	960525	046	1.4+	0.7−
891106	675	0.2−	0.8+	950310	046	0.3+	0.3−	960525	046	0.4+	0.6−
950301	046	(2.3+	4.2−)	950310	046	0.2−	0.2−	960617	046	1.9−	0.3+
950301	046	(2.9+	4.2−)	950310	046	0.3+	0.2−	960617	046	1.8−	0.2−
950301	046	0.0	0.1+	950328	046	0.2−	1.4+	960617	046	(2.2−	0.3−)
950301	046	0.2−	0.1+	950328	046	0.9−	0.7+	960619	046	0.9+	0.3−
950301	046	0.1−	0.0	950328	046	0.4−	0.4+	960619	046	0.3+	0.4−
950301	046	0.1−	0.1+	950502	046	0.2+	0.2+	960619	046	0.1−	0.7−
950301	046	0.2−	0.1+	950502	046	0.5−	0.1−	960619	046	0.1−	0.5−
950301	046	0.3−	0.0	950502	046	0.3+	0.6−	960722	046	0.4+	0.8+
950305	046	0.5+	0.1+	960524	046	0.1+	0.2−	960722	046	0.3+	1.2+
950305	046	0.5+	0.0	960524	046	0.7−	0.5+	960722	046	0.2+	0.8+
950305	046	0.5+	0.2−	960524	046	0.4−	0.2+	960722	046	0.3+	0.7+

(7441)* 1995 OZ = 4632 P-L

Discovered 1995 July 30 by J. Tichá and M. Tichý at Kleť.

Id. G. V. Williams (*MPC* 25644)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	249.77466		(2000.0)	P	Q
<i>n</i>	0.27978299	ω	12.24436	−0.91598086	+0.40086666
<i>a</i>	2.3152000	Ω	191.43204	−0.37492595	−0.87017137
<i>e</i>	0.0750472	<i>i</i>	4.88594	−0.14286218	−0.28654442
<i>P</i>	3.52	<i>H</i>	15.2	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

600924	675	0.9+	0.0	950731	046	0.9+	0.6−	950819	046	0.2−	0.2−
600924	675	0.2−	1.4−	950731	046	0.4−	0.6−	950819	046	0.1−	0.1−
600925	675	0.8+	0.4+	950801	046	0.5+	1.1−	950823	046	0.9+	0.5+
600926	675	0.7−	0.6−	950801	046	0.3+	0.9−	950823	046	0.7+	0.4+

600926	675	0.2−	0.5−	950801	046	0.1+	0.5−	950823	046	1.0+	0.1−
600928	675	0.4−	1.4+	950801	046	1.0−	0.2+	950916	046	0.2+	0.1−
880910	675	0.6+	1.0−	950803	046	0.1+	0.2+	950916	046	0.7+	0.2+
880910	675	0.2+	0.8−	950803	046	1.0−	0.3+	950916	046	0.2+	0.5+
940402	691	0.3−	0.2−	950803	046	0.0	0.7+	950928	046	0.7+	0.2−
940402	691	0.1−	0.2−	950803	046	0.7−	0.4+	950928	046	0.7+	1.0+
940402	691	0.1+	0.5−	950803	046	0.7−	0.1+	950928	046	0.5+	0.2+
950730	046	0.1−	0.1+	950803	046	1.2−	0.3−	961206	046	0.2−	0.0
950730	046	0.6−	0.1+	950804	046	0.6+	0.5−	961206	046	0.1+	0.2−
950730	046	0.4−	0.3+	950804	046	0.6−	0.3+	961206	046	0.4+	0.4−
950730	046	0.4−	0.2+	950804	046	1.0−	0.1−	961210	046	0.5−	0.2+
950730	046	0.3−	0.2+	950805	046	0.9−	0.1−	961210	046	0.5−	0.2+
950730	046	0.3−	0.3−	950805	046	0.9−	0.2+	970113	046	0.1−	0.1+
950730	046	0.2+	0.4−	950805	046	0.6−	0.4+	970113	046	0.5+	0.2+
950730	046	1.1+	0.1−	950818	046	0.4−	0.8+	970113	046	0.6+	0.0
950730	046	0.0	0.1−	950818	046	1.6+	0.5+	970114	046	0.1+	0.5+
950730	046	0.4−	0.4+	950818	046	1.1+	0.1+	970114	046	0.4−	0.9−
950730	046	1.4−	0.9−	950819	046	0.3+	0.5+	970114	046	0.1−	0.5+

(7442)* 1995 SC₅ = 1977 HU = 1982 DL₆ = 1989 PY

Discovered 1995 Sept. 20 by K. Endate and K. Watanabe at Kitami.

Id. K. Kinoshita (*MPC* 26746)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	131.38055		(2000.0)	P	Q
<i>n</i>	0.17584431	ω	229.58501	+0.04802185	+0.99880301
<i>a</i>	3.1553715	Ω	43.17026	−0.91225861	+0.04764803
<i>e</i>	0.1477806	<i>i</i>	0.77867	−0.40679003	+0.01105494
<i>P</i>	5.61	<i>H</i>	13.4	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

770424	675	0.4+	0.2+	950902	010	(1.0+	3.4+)	950930	400	0.7−	1.4−
770425	675	0.1−	0.3−	950920	400	0.0	1.2−	950930	400	0.8−	0.2−
820227	010	0.7−	0.6+	950920	400	0.3−	0.4−	961109	691	0.4+	0.3−
890801	675	0.6+	0.6−	950926	010	1.5−	1.3+	961109	691	0.2+	0.3−
890801	675	0.4+	0.9−	950926	010	2.1−	1.6+	961109	691	0.3+	0.1−
940510	675	1.4−	0.1−	950926	010	1.0−	1.6+	961205	691	0.1+	0.1−
940510	675	1.5+	0.1−	950927	010	0.9+	0.2−	961205	691	0.2+	0.0
950902	010	(0.4−	3.2+)	950927	010	1.4+	0.2+	961205	691	0.5+	0.4−
950902	010	(0.0	4.2+)	950927	010	1.9+	0.1+				

(7443)* 1996 BR₂ = 1989 UC₄ = 1991 EW₄

Discovered 1996 Jan. 26 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 26753)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	41.29123		(2000.0)	P	Q
<i>n</i>	0.19753774	ω	171.19892	−0.95295163	−0.30309991
<i>a</i>	2.9199091	Ω	351.15456	+0.27662729	−0.86461093
<i>e</i>	0.0350903	<i>i</i>	1.37614	+0.12393763	−0.40072234
<i>P</i>	4.99	<i>H</i>	12.4	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

880912	675	0.2−	0.2−	910314	809	0.0	1.5−	960212	411	0.6−	0.2−
880912	675	0.5+	0.4−	910314	809	0.2+	1.4−	960212	411	0.7−	0.0
891023	033	0.8+	0.1+	910315	809	0.8−	0.2−	960312	411	0.7+	0.2+
891023	033	0.1+	0.4+	910315	809	0.4−	0.1−	960312	411	0.7−	0.2+

891026	033	0.4−	0.2−	910315	809	0.2−	0.0	960323	566	0.4+	0.8+
891122	675	1.0−	0.6−	960126	411	0.5+	0.2−	960323	566	0.2+	0.5+
891122	675	0.3+	0.8+	960126	411	0.2+	0.4−	960323	566	0.3+	0.5+
910313	809	0.1+	1.4+	960127	411	0.1−	0.3−	960408	689	0.5−	0.2+
910313	809	0.2+	1.2+	960127	411	0.8+	0.5+	960419	689	0.3+	0.7+
910313	809	0.6+	1.1+	960130	411	0.5−	0.3−				
910314	809	0.1−	1.6−	960130	411	0.1−	1.7−				

(7444)* 1996 TM₁₀ = 1980 FP = 1982 SV₁₁ = 1988 AQ₄ = 1991 RM₃₇

Discovered 1996 Oct. 9 by S. Ueda and H. Kaneda at Kushiro.

Id. G. V. Williams (*MPC* 28308)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	27.74570	(2000.0)	P	Q	
<i>n</i>	0.21191989	ω 358.83079	+0.99582880	+0.09056036	
<i>a</i>	2.7862595	Ω 355.92296	−0.08239074	+0.84011778	
<i>e</i>	0.1633872	<i>i</i> 9.00459	−0.03920168	+0.53479055	
<i>P</i>	4.65	<i>H</i> 12.9	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

710514	675	0.7−	1.8+	880113	033	1.1−	1.4−	961016	399	2.0−	0.6−
710514	675	0.2+	1.6+	880113	033	0.6−	0.9−	961103	399	0.2+	0.8+
710516	675	1.3+	2.3+	910915	675	0.5+	0.3−	961103	399	1.1−	0.5−
800316	809	0.5+	0.1−	910915	675	0.2+	0.3−	961214	327	1.2+	0.3+
800316	809	0.4+	0.2+	940314	691	1.4−	0.9−	961214	327	1.2+	0.0
800316	809	0.2+	0.1−	940314	691	1.6−	0.6−	961214	327	1.7+	0.2+
800316	809	0.5+	0.3+	940314	691	1.5−	0.6−	961222	327	0.1+	1.2+
800317	809	1.3+	0.4−	961009	399	1.0+	0.9+	961222	327	0.1−	1.0+
800317	809	0.7+	0.1+	961009	399	0.2−	0.2+	961222	327	0.0	0.7+
800317	809	0.4+	0.4−	961010	399	0.3−	0.6−	961223	327	0.1+	0.9+
800317	809	1.9+	0.8−	961010	399	0.5−	1.3−	961223	327	0.0	0.8+
820928	095	(3.5+	4.8+)	961016	399	1.8−	0.6+	961223	327	0.6+	0.9+

(7445)* 4116 P-L = 1986 RL₁

Discovered 1960 Sept. 24 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. T. Kobayashi (*MPC* 14628)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	49.70809	(2000.0)	P	Q	
<i>n</i>	0.30259797	ω 109.13380	+0.91441103	+0.40450660	
<i>a</i>	2.1973136	Ω 227.00918	−0.37869411	+0.84173150	
<i>e</i>	0.2434370	<i>i</i> 1.17992	−0.14297984	+0.35757866	
<i>P</i>	3.26	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

600924	675	1.1−	1.1+	860831	010	(0.8−	4.7−)	931125	658	0.3+	0.7−
600924	675	0.1+	0.2+	860831	010	(6.1+	2.2−)	931125	658	0.1+	0.8−
600925	675	0.3−	0.7−	860903	046	(2.6+	6.5+)	931125	658	0.4−	0.9−
600926	675	0.4−	0.7+	860905	046	0.3−	0.4−	931221	658	0.2−	0.4+
600926	675	0.3+	1.0−	860905	046	0.7+	0.1−	931221	658	0.1−	0.4+
600927	675	0.5+	0.5−	860905	046	0.7−	0.1−	931221	658	0.1−	0.4+
600928	675	0.9+	0.2−	860905	046	0.8−	0.2+	950405	691	0.2−	1.0−
601017	675	0.3−	0.5+	860906	095	1.0+	1.2+	950405	691	0.1−	0.9−
601022	675	0.4−	0.7+	860908	046	0.0	1.5−	961012	689	0.2−	0.2−
601024	675	0.0	0.6+	860908	046	0.8+	2.1−	961013	689	0.0	0.1−
601026	675	0.2−	1.0+	931123	658	0.3−	0.4−	961201	689	1.4+	0.3+

860812	095	(1.6−	3.2+)	931123	658	0.5−	0.3−
860829	095	(1.1−	2.9+)	931123	658	0.5−	0.4−

(7446)* 2249 T-2 = 1981 CA₁ = 1982 KB = 1990 VT₁₁

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

Id. S. Kaneda (*MPC* 16037), B. G. Marsden (*MPC* 23988)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P	Q
<i>M</i>	298.82177				
<i>n</i>	0.17906149	ω 330.54888	−0.84938579	−0.52777089	
<i>a</i>	3.1174627	Ω 177.59498	+0.49004670	−0.78957768	
<i>e</i>	0.0843310	<i>i</i> 1.76513	+0.19595412	−0.31308940	
<i>P</i>	5.50	<i>H</i> 12.3	<i>G</i> 0.15	<i>U</i> 1	

Residuals in seconds of arc

730919	675	0.8−	0.1+	731005	675	0.4+	0.1+	940708	010	0.3+	0.5+
730919	675	1.4+	0.5−	731005	675	0.4−	1.0−	940714	010	0.4+	1.6−
730920	675	0.0	1.4−	810205	688	(1.1+	4.5−)	940714	010	0.5−	1.1−
730924	675	1.5−	0.9+	810205	688	(3.5+	3.7−)	940714	010	0.0	0.3−
730924	675	0.8−	1.3+	810208	688	(0.3+	3.2−)	961207	886	0.2+	1.2+
730925	675	0.6−	1.4−	810208	688	(3.0+	4.5−)	961207	886	0.3+	1.0+
730925	675	0.5+	1.0−	820521	688	0.4−	1.1−	961221	327	0.2−	0.7−
730929	675	0.4−	2.4+	820521	688	0.1+	1.4−	961221	327	0.9−	0.7−
730929	675	0.2+	0.6+	901114	809	0.8+	0.0	961221	327	0.0	0.3−
730930	675	0.6+	0.0	901114	809	0.9+	1.9−	961228	886	0.7−	0.3+
730930	675	1.0+	0.9−	901114	809	0.9+	1.6−	961228	886	0.5+	0.0
731004	675	0.5−	0.0	940708	010	0.1−	1.1+				
731004	675	0.2−	1.2+	940708	010	0.4−	1.5+				

(7447)* 1142 T-3 = 1989 YH₃

Discovered 1977 Oct. 17 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. S. Nakano (*MPC* 15907)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		(2000.0)		P	Q
<i>M</i>	121.62456				
<i>n</i>	0.26652540	ω 8.86952	+0.59478969	+0.79730082	
<i>a</i>	2.3913527	Ω 297.69375	−0.74447440	+0.49815064	
<i>e</i>	0.0991483	<i>i</i> 6.65717	−0.30328715	+0.34081864	
<i>P</i>	3.70	<i>H</i> 13.3	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

771007	675	0.0	2.1−	771022	675	(3.3+	1.2−)	940313	675	0.6+	0.8−
771011	675	1.3+	0.4+	891230	413	(5.1+	1.0+)	940313	675	0.1+	1.2−
771011	675	0.8+	0.7+	891230	413	1.4−	1.2+	950825	801	0.0	0.4−
771012	675	0.8−	0.5+	891231	413	0.5−	0.4+	950825	801	0.1+	0.8−
771012	675	0.5+	1.7+	921024	801	0.3+	0.0	950828	801	0.1−	0.3−
771016	675	1.1−	1.4−	921024	801	0.3+	0.0	950828	801	0.1−	0.2−
771016	675	1.2−	0.1−	921029	801	0.5+	0.1−	961201	689	1.1−	0.5−
771017	675	0.3+	1.0+	940305	596	(0.3−	4.4−)	961230	689	0.5+	0.8−
771017	675	0.1−	0.9+	940305	596	0.1+	0.5−				
771022	675	0.4+	1.1−	940305	596	0.4+	0.5+				

1978 RR₁ = 1985 UA₃ = 1997 AO₁₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	143.20947	(2000.0)	P	Q	
<i>n</i>	0.28776553	ω 160.94983	+0.64955076	+0.75972734	
<i>a</i>	2.2721842	Ω 149.53611	-0.70502843	+0.61660431	
<i>e</i>	0.1736800	<i>i</i> 3.38886	-0.28463790	+0.20643036	
<i>P</i>	3.43	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

780901 095	(2.4- 4.4+)	781009 095	0.2- 0.2-	970110 566	0.1- 0.2-
780905 095	0.7- 0.5-	851017 010	0.8- 0.2+	970112 566	0.5+ 0.1-
780907 095	0.0 1.7-	851018 010	0.5+ 0.7+	970112 566	0.7+ 0.4-
780912 095	0.6+ 2.5+	970110 566	0.7+ 0.1+	970112 566	1.9- 0.0
780928 095	0.6+ 1.1-	970110 566	0.1+ 0.0		

1979 QX = 1989 AC₁ = 1991 PS₄ = 1991 PT₃₁ = 1996 XC₆Id. S. Nakano; 2192 T-3 = 1991 PS₄ (*MPC* 18834) is invalid

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Nakano			
<i>M</i>	7.73819	(2000.0)	P	Q	
<i>n</i>	0.24428112	ω 143.81266	+0.29471240	-0.95478847	
<i>a</i>	2.5344056	Ω 289.01851	+0.86675113	+0.28429060	
<i>e</i>	0.1430229	<i>i</i> 2.36623	+0.40235193	+0.08693585	
<i>P</i>	4.03	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

790822 809	0.8+ 0.5+	890104 400	(6.1- 6.9+)	961208 411	0.3+ 0.0
790822 809	0.2- 0.3+	910803 809	1.1- 1.3-	961212 411	0.3- 0.2-
790822 809	1.6+ 0.3+	910803 809	0.8- 0.0	961212 411	0.3+ 0.1+
790823 809	0.5+ 0.1-	910803 809	1.1- 0.1+	961214 411	0.1+ 0.1+
790823 809	(3.5+ 1.0-)	910804 809	0.8+ 0.9+	961214 411	0.4+ 0.1+
790826 809	(6.7+ 2.9-)	910805 809	1.0+ 0.1+	961219 411	0.2+ 0.5+
790826 809	0.4+ 0.4-	910805 809	0.2+ 0.8+	961219 411	0.2- 0.2+
790826 809	0.1- 0.4-	910805 809	0.5+ 0.6+	961228 411	0.3- 0.1+
790830 809	1.1- 0.3-	961207 411	0.4- 0.0	961228 411	0.4- 0.2-
790830 809	1.6- 0.9-	961207 411	0.0 0.1-		
890104 400	(10.2- 9.4+)	961208 411	0.4+ 0.2-		

1980 PJ₁ = 1996 YM₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Nakano			
<i>M</i>	16.76630	(2000.0)	P	Q	
<i>n</i>	0.31412063	ω 130.11022	+0.65326103	-0.75306956	
<i>a</i>	2.1432446	Ω 278.92158	+0.66830095	+0.62214733	
<i>e</i>	0.2410166	<i>i</i> 4.54796	+0.35584247	+0.21405357	
<i>P</i>	3.14	<i>H</i> 14.1	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

800806 809	0.3- 0.4+	961228 411	0.2+ 0.1+	961229 411	0.0 0.0
800807 809	0.0 0.1+	961228 411	0.1+ 0.1+	970106 411	0.2- 0.2-
800809 809	0.4+ 0.5-	961229 411	0.1+ 0.2+	970106 411	0.2- 0.2-

1980 VG = 1975 QG = 1982 BH₁₄ = 1996 CX₁Id. S. J. Bus (*MPC* 20010), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	180.20589	(2000.0)	P	Q	
<i>n</i>	0.21238033	ω 37.57150	+0.99526049	+0.03344124	
<i>a</i>	2.7822310	Ω 320.21452	-0.07445363	+0.86608975	
<i>e</i>	0.2340291	<i>i</i> 8.20394	+0.06255562	+0.49876871	
<i>P</i>	4.64	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

750830 095	1.3- 0.5+	820130 675	0.6- 1.2-	960215 566	0.5+ 0.8-
801106 688	0.3+ 1.6+	820131 675	0.7+ 0.6-	960215 566	0.2+ 0.9-
801106 688	0.2- 1.8+	910111 675	0.8- 0.7+	960216 566	0.3+ 0.3-
801129 688	0.2- 0.6-	910111 675	0.1- 2.0+	960216 566	0.6+ 0.1-
801129 688	0.6+ 0.4-	910114 675	0.8- 1.5+	960216 566	0.3+ 0.2-
801204 688	1.3+ 1.3-	910114 675	1.4- 1.5+		
801204 688	0.8+ 2.4-	960215 566	0.1+ 0.4-		

1981 DG₂ = 1994 WM₁₃

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	205.92165	(2000.0)	P	Q	
<i>n</i>	0.18513475	ω 107.64323	+0.84411663	+0.52370476	
<i>a</i>	3.0489064	Ω 220.98221	-0.53386996	+0.80120422	
<i>e</i>	0.1715972	<i>i</i> 10.08965	-0.04949733	+0.28949115	
<i>P</i>	5.32	<i>H</i> 13.0	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

810209 413	0.1+ 0.5+	810308 413	1.6+ 0.4-	810501 413	0.4- 0.2+
810228 413	1.5- 0.4-	810312 413	0.5- 0.2-	941127 675	0.9+ 0.2+
810228 413	1.6+ 1.1-	810312 413	0.2+ 0.2+	941127 675	1.7+ 0.7+
810306 413	1.0- 0.2+	810408 413	(2.3- 1.7+)	941201 691	0.9- 0.3-
810306 413	(2.4+ 2.6-)	810409 413	0.2+ 0.0	941201 691	0.9- 0.2-
810308 413	0.5- 1.1+	810409 413	0.1+ 0.1+	941201 691	0.8- 0.5-

1981 EV₁₂ = 1989 WR₇ = 1996 BD₁₈

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	139.10984	(2000.0)	P	Q	
<i>n</i>	0.18755606	ω 55.90655	+0.88314447	-0.46321330	
<i>a</i>	3.0226091	Ω 331.47872	+0.36281689	+0.77459246	
<i>e</i>	0.1295094	<i>i</i> 8.92646	+0.29735459	+0.43062740	
<i>P</i>	5.26	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

810212 413	(3.3+ 0.4+)	810312 413	0.5- 0.1+	810503 413	1.1- 0.9-
810212 413	0.4+ 0.0	810312 413	1.6+ 0.5-	891128 675	0.2- 0.2-
810301 413	0.2- 0.3+	810406 413	0.9- 2.4+	891128 675	0.0 0.6+
810301 413	1.0+ 1.0-	810406 413	(3.3+ 0.9-)	960125 691	0.5- 0.2-
810306 413	0.9- 1.4+	810408 413	0.5- 0.1-	960125 691	0.1+ 0.1-
810306 413	1.6+ 0.5-	810408 413	1.0+ 1.0-	960125 691	0.1+ 0.3-
810308 413	0.3- 0.3+	810409 413	0.5- 0.8+		
810308 413	0.2+ 0.7-	810501 413	0.6- 0.1+		

1981 EH₂₁

Id. E. Bowell (1989, 1993 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	153.03631		(2000.0)	P	Q
<i>n</i>	0.17134431	ω	111.63387	+0.34279461	+0.93934395
<i>a</i>	3.2103787	Ω	178.29035	-0.93900105	+0.34297203
<i>e</i>	0.0411619	<i>i</i>	21.99028	-0.02772868	-0.00176930
<i>P</i>	5.75	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

810209	413	0.4+	1.7+	810311	413	0.9+	1.5-	810411	413	1.0-	1.3+
810213	413	1.2+	0.2+	810316	413	0.9-	0.9+	810411	413	0.1+	0.3-
810302	413	0.8-	1.4-	810316	413	0.1+	0.2-	810426	413	(1.8+	3.0-)
810303	413	1.6-	1.3+	810329	413	0.6-	0.6+	810502	413	0.6+	0.4+
810303	413	0.4+	0.2-	810329	413	1.2+	0.9-	890927	675	0.5+	1.0+
810307	413	1.4-	1.0+	810407	413	0.2-	1.1+	890927	675	0.5-	0.4+
810307	413	1.0+	1.4-	810407	413	0.9+	1.0-	930418	675	0.2+	0.0
810311	413	0.7-	0.6+	810408	413	0.8+	0.7-	930418	675	0.1-	0.3+

1981 EP₃₀

Id. R. H. McNaught (1995 observations), E. Bowell (1989 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	91.03243		(2000.0)	P	Q
<i>n</i>	0.18031952	ω	223.81615	+0.78123157	-0.62330465
<i>a</i>	3.1029460	Ω	174.41463	+0.62421627	+0.77953738
<i>e</i>	0.0226867	<i>i</i>	20.56209	+0.00559293	+0.06174772
<i>P</i>	5.47	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

810209	413	1.1+	0.7-	810306	413	(3.1+	0.6-)	891106	675	0.0	0.7+
810213	413	1.1+	0.5+	810311	413	1.5-	1.0+	951124	413	1.2-	0.0
810302	413	0.0	0.3+	810311	413	0.6-	0.1-	951124	413	1.2+	0.7-
810302	413	0.3+	1.0-	810426	413	1.1+	0.7-				
810306	413	1.2-	1.4+	891106	675	0.1-	0.7+				

1981 EQ₃₂ = 1969 RG₂ = 1991 PU₃₁Id. K. Hurukawa (*JAM* 1901), L. D. Schmadel, E. Bowell

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	64.93122		(2000.0)	P	Q
<i>n</i>	0.22294968	ω	102.32728	+0.87185274	+0.48001316
<i>a</i>	2.6935900	Ω	229.07408	-0.48431209	+0.81540869
<i>e</i>	0.3001133	<i>i</i>	7.39625	-0.07290130	+0.32356766
<i>P</i>	4.42	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

690910	095	0.1-	0.2+	810310	413	(4.3-	1.2+)	810503	413	1.8-	1.1+
810209	413	1.1-	0.0	810310	413	0.1-	1.3+	910808	675	0.2+	0.3+
810214	413	0.5+	1.0-	810312	413	0.5+	0.9-	910808	675	0.2-	0.5-
810307	413	1.3-	0.4+	810312	413	1.8+	0.3-				
810307	413	1.2+	0.6-	810409	413	(3.8-	1.6+)				

1982 UD₆ = 1992 SQ₁₅

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	61.58191		(2000.0)	P	Q
<i>n</i>	0.29167625	ω	84.24091	+0.83121718	-0.55427837
<i>a</i>	2.2518286	Ω	309.41182	+0.48547576	+0.76140764
<i>e</i>	0.1479428	<i>i</i>	3.19438	+0.27090826	+0.33620515
<i>P</i>	3.38	<i>H</i>	14.4	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

821020	095	0.3-	0.7+	920925	046	(3.9-	75.8-)	921004	675	0.0	0.9-
821022	095	2.0-	2.0-	920925	046	(0.6-	82.0-)	970109	411	0.3-	0.9+
821025	095	1.8-	0.9-	920926	046	(3.5-	2.5+)	970109	411	0.2-	0.3-
821109	095	1.4+	1.5+	920926	046	0.9+	0.6+	970110	411	0.1+	0.6-
821114	095	2.0+	2.0+	921004	675	0.3-	1.0-	970110	411	0.1-	1.0-

1982 UZ₉ = 1982 VH₁₁ = 1996 VG₃₈Id. S. Nakano (d, *MPC* 10752; unpublished)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	27.13763		(2000.0)	P	Q
<i>n</i>	0.21190673	ω	143.33904	+0.97100584	-0.11531905
<i>a</i>	2.7863749	Ω	224.75943	+0.07621773	+0.97958201
<i>e</i>	0.2017960	<i>i</i>	17.30093	+0.22658004	+0.16468332
<i>P</i>	4.65	<i>H</i>	13.3	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

821022	095	0.5-	1.6+	961106	691	0.3-	0.3-	961115	399	0.2+	1.6+
821024	095	1.7+	1.5-	961107	399	(2.8-	1.4-)	961115	399	(0.1+	2.5+)
821115	688	1.2-	0.6-	961107	399	(1.8-	2.5-)	961202	399	0.2-	1.1-
961106	691	0.3-	0.1-	961112	399	0.4+	0.1+	961202	399	0.1+	0.3+
961106	691	0.0	0.2-	961112	399	0.0	0.2+				

1983 WQ = 1989 CB₉ = 1996 VN₃₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	52.88233		(2000.0)	P	Q
<i>n</i>	0.22561822	ω	295.07500	+0.97829400	+0.15070254
<i>a</i>	2.6723086	Ω	56.55718	-0.06540527	+0.87584426
<i>e</i>	0.1156136	<i>i</i>	9.81406	-0.19662907	+0.45846000
<i>P</i>	4.37	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

831129	688	0.2-	0.6-	890202	675	0.4-	0.1-	961115	399	0.2+	0.5+
831129	688	0.1-	0.8+	890202	675	0.5+	0.7+	961115	399	0.3+	0.6+
831201	688	1.5-	0.9-	961107	399	1.1-	0.2-	961212	691	0.2+	0.1+
831201	688	1.1+	0.2-	961107	399	0.2-	1.1-	961212	691	0.1-	2.0+
840104	688	0.7+	1.9-	961112	399	0.8-	0.2+	961212	691	0.2+	0.9+
840104	688	1.2+	0.1+	961112	399	0.3+	0.7-				

1984 DD₁ = 1985 SV₃ = 1997 AN

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	217.16413		(2000.0)	P	Q
<i>n</i>	0.29575185	ω	279.94263	-0.37005760	+0.92853064
<i>a</i>	2.2310933	Ω	328.28682	-0.82859399	-0.34439601
<i>e</i>	0.1072159	<i>i</i>	3.25017	-0.42010639	-0.13864429
<i>P</i>	3.33	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

840228	809	1.4-	0.1-	840304	809	(4.2-	0.8+)	840310	809	0.3-	0.3-
840228	809	1.1-	0.0	840305	809	0.2+	0.5-	840310	809	0.5-	0.0
840228	809	0.9-	0.2+	840305	809	1.0+	0.7-	850920	095	0.4-	0.9+
840301	809	0.7-	0.1+	840305	809	1.0+	0.7-	961214	691	0.4-	0.1-
840301	809	0.5-	0.1-	840306	809	0.2-	0.2+	961214	691	0.6-	0.0
840301	809	0.3-	0.0	840306	809	0.5+	0.3+	961214	691	0.7-	0.1+
840303	809	0.3+	0.7+	840306	809	0.7+	0.3+	970102	411	0.3+	0.0
840303	809	0.7+	0.8+	840308	809	0.4+	0.0	970102	411	0.5+	0.9-
840303	809	1.1+	0.6+	840308	809	0.3+	0.3+	970103	411	0.7+	0.8+

840304 809 (5.1– 1.1+) 840308 809 0.2+ 0.1+ 970103 411 0.0 0.1–
 840304 809 (4.6– 1.0+) 840310 809 0.2– 0.5–

1984 UR

Id. E. Bowell (1991, 1993 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.27644652	ω	306.97202	+0.99230442	+0.07992552		
<i>a</i>	2.3337910	Ω	48.65042	–0.02613603	+0.88176263		
<i>e</i>	0.1831283	<i>i</i>	7.23733	–0.12103245	+0.46487264		
<i>P</i>	3.57	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

841021 330 1.7– 1.6+ 841031 688 0.3– 0.7+ 911006 675 0.4– 0.1+
 841025 330 (6.2+ 1.3+) 841031 688 0.3– 0.3+ 930123 675 0.3– 0.8+
 841026 688 0.3– 2.0– 841120 688 0.3+ 0.1– 930123 675 0.5+ 0.2–
 841026 688 0.7+ 0.3– 841120 688 2.1+ 0.3–
 841029 330 (5.7+ 0.2–) 911006 675 0.2+ 0.3+

1985 UH₂ = 1996 XA₃₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.27498076	ω	292.64816	+0.99837611	+0.02607447		
<i>a</i>	2.3420770	Ω	65.88875	–0.00252258	+0.90846106		
<i>e</i>	0.1042199	<i>i</i>	3.18097	–0.05691036	+0.41715539		
<i>P</i>	3.58	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

851017 010(33.4– 5.3–) 961203 894 0.3+ 0.2+ 961224 327 0.0 0.3+
 851018 010(32.6– 2.7–) 961203 894 0.8– 0.1+ 961224 327 0.3+ 0.2+
 851018 095 0.6+ 2.0+ 961207 894 0.9– 0.0 961225 327 0.1+ 0.3+
 851020 049 0.3+ 0.3– 961207 894 0.2+ 0.4– 961225 327 1.0– 0.2–
 851020 049 0.2– 0.3– 961218 327 0.8+ 0.2– 961225 327 0.0 0.3+
 851024 049 1.2– 0.9– 961218 327 1.0+ 0.1+ 961226 327 0.0 0.6+
 851024 049 0.0 0.6– 961218 327 0.8+ 0.1– 961226 327 0.3– 0.3–
 851112 095 0.4+ 0.1+ 961224 327 0.3+ 0.1+ 961226 327 0.7– 0.7–

1986 QA₁ = 1995 SB₄₃Id. G. V. Williams (*MPC* 25954)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.22735850	ω	121.47444	–0.99158489	–0.12119653		
<i>a</i>	2.6586546	Ω	51.60424	+0.09004431	–0.89823516		
<i>e</i>	0.0341276	<i>i</i>	3.32863	+0.09301305	–0.42247485		
<i>P</i>	4.34	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

860826 809 1.8– 0.0 860904 809 1.2+ 0.4– 860911 809 1.6– 0.5+
 860826 809 1.6– 0.1+ 860905 809 0.6+ 0.1– 860911 809 1.4– 0.3+
 860826 809 1.4– 0.1+ 860905 809 0.7+ 0.1– 950925 691 0.2– 0.1+
 860827 809 0.5– 0.5+ 860905 809 0.5+ 0.1– 950925 691 0.2+ 0.1–
 860827 809 0.5– 0.5+ 860906 809 0.9+ 0.6– 950925 691 0.0 0.1+
 860827 809 0.3– 0.7+ 860906 809 0.7+ 0.5– 950930 691 0.1– 0.0
 860829 809 0.1+ 0.3– 860906 809 1.0+ 0.6– 950930 691 0.1– 0.1+
 860829 809 0.5+ 0.4– 860907 809 0.1– 0.1– 950930 691 0.1+ 0.0
 860829 809 0.5+ 0.2– 860907 809 0.2– 0.0 970102 411 0.1+ 0.2+
 860902 809 1.1+ 0.1+ 860907 809 0.1– 0.1+ 970102 411 0.1+ 0.5–

860902 809 1.3+ 0.2+ 860907 809 0.3– 0.2– 970103 411 0.3– 0.0
 860902 809 1.3+ 0.3+ 860907 809 0.3– 0.2– 970103 411 0.1+ 0.2+
 860904 809 0.9+ 0.1– 860907 809 0.2– 0.2–
 860904 809 1.2+ 0.2– 860911 809 2.0– 0.5+

1986 QO₃ = 1990 WJ₁₂ = 1996 FS₂₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.26675560	ω	332.62455	+0.89385036	–0.44574776		
<i>a</i>	2.3899768	Ω	53.92903	+0.42153895	+0.79870110		
<i>e</i>	0.2262621	<i>i</i>	3.43137	+0.15276272	+0.40420971		
<i>P</i>	3.69	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

860829 809 0.2+ 1.2+ 860904 809 0.7– 0.4– 860911 809 0.8+ 0.3–
 860829 809 0.2+ 1.2+ 860904 809 0.7– 0.4– 860911 809 0.8+ 0.3–
 860829 809 0.2+ 1.2+ 860904 809 0.9– 0.5– 860911 809 0.9+ 0.5–
 860831 809 0.4– 0.6+ 860907 809 0.1+ 0.7– 901122 898 0.7– 0.3–
 860831 809 0.4– 0.6+ 860907 809 0.3+ 0.8– 901122 898 0.4+ 1.5+
 860831 809 0.1– 0.5+ 860907 809 0.1+ 1.0– 960324 809 1.5– 1.5–
 860901 809 0.4– 1.0+ 860909 809 0.4– 0.2– 960324 809 (2.5– 1.0–)
 860901 809 0.4– 0.9+ 860909 809 0.2– 0.3– 960324 809 1.3– 1.4–
 860901 809 0.2– 0.8+ 860909 809 0.1+ 0.4– 960327 809 (1.2+ 3.0+)
 860902 809 0.0 0.1– 860910 809 0.2+ 0.0 960327 809 1.3+ 2.2+
 860902 809 0.0 0.3– 860910 809 0.2+ 0.2– 960327 809 2.0+ 2.0+
 860902 809 0.1+ 0.5– 860910 809 0.3+ 0.5–

**1986 RA₃ = 1976 YH₆ = 1988 AT₃ = 1991 NE₈ = 1992 WR₉
= 1994 CD₁₉**

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.18461296	ω	163.83056	+0.06403823	–0.97811208		
<i>a</i>	3.0546486	Ω	282.17384	+0.89170020	+0.14515766		
<i>e</i>	0.0791850	<i>i</i>	11.68518	+0.44807351	–0.14908390		
<i>P</i>	5.34	<i>H</i>	11.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

761220 095 1.1– 0.7+ 861005 688 0.1+ 0.4+ 910904 095 (0.8+ 3.4–)
 860908 095 (2.7– 6.6+) 880112 033 1.6+ 0.3– 921126 675 0.7– 0.6–
 860909 054 1.1– 1.3– 880112 033 0.7+ 0.6– 921126 675 0.5– 0.5–
 860911 688 (3.1+ 2.6–) 910712 675 0.8– 0.0 940210 675 0.4– 0.3+
 860911 688 1.7+ 0.7– 910712 675 0.3– 0.4– 940210 675 0.1– 0.5+
 860911 095 1.9– 2.0+ 910808 675 1.0+ 0.9–
 861005 688 1.2+ 0.8+ 910808 675 0.7+ 0.8+

1986 VX₅

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.21613969	ω	267.66519	+0.93798377	–0.33500597		
<i>a</i>	2.7498755	Ω	111.89706	+0.34382840	+0.86601677		
<i>e</i>	0.1379812	<i>i</i>	5.51697	+0.04436749	+0.37119531		
<i>P</i>	4.56	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

861106 688	0.1+	0.3+	861128 033	0.1-	0.2-	970109 411	0.0	0.6-
861106 688	0.1+	0.5-	861129 033	0.4-	0.2+	970110 411	0.3+	0.6+
861127 033	0.3+	0.3+	970109 411	0.2-	0.4-	970110 411	0.1-	0.4+

1987 BM₁ = 1990 VT₀ = 1996 YE₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	313.81776	(2000.0)	P	Q	
<i>n</i>	0.18896481	ω 48.51957	-0.76445550	-0.59436011	
<i>a</i>	3.0075678	Ω 93.50089	+0.49138677	-0.78791655	
<i>e</i>	0.1165426	<i>i</i> 14.48664	+0.41730903	-0.16100797	
<i>P</i>	5.22	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

870127 054	0.5+	1.3-	870222 054	0.2-	2.7+	961220 327	0.1+	1.0-
870218 054	1.5-	1.5-	870223 054	1.0+	0.7-	961220 327	0.4+	0.5+
870219 054	0.8-	0.0	901112 413	1.1-	0.1-	961226 327	0.5+	0.2+
870219 054	1.1-	0.9+	901112 413	1.2+	0.2-	961226 327	0.3+	0.8+
870222 054	1.9+	0.6-	961220 327	1.9-	0.3-	961226 327	0.5+	0.2+

1987 YS₁ = 1989 GT₆Id. B. G. Marsden (*MPC* 14950)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	59.53160	(2000.0)	P	Q	
<i>n</i>	0.24131750	ω 305.64951	-0.09912452	-0.98843756	
<i>a</i>	2.5551134	Ω 149.42613	+0.97025425	-0.12160099	
<i>e</i>	0.1229298	<i>i</i> 13.03700	+0.22086427	+0.09057814	
<i>P</i>	4.08	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 3	

Residuals in seconds of arc

541124 675	0.1-	0.1+	871220 809	0.1+	0.3+	890411 809	0.0	0.3+
541124 675	0.1-	0.4-	871223 809	1.1-	0.0	890413 809	0.3+	0.5-
871217 809	0.1+	0.5-	871223 809	0.5-	0.3-	930418 675	1.4-	1.2+
871217 809	1.9+	0.5+	890405 809	0.3+	0.9-	930418 675	0.9-	0.5+
871220 809	0.1-	0.1-	890407 809	1.6+	1.1-			

1988 RD₁ = 1980 BV₄ = 1993 PW₄Id. B. G. Marsden (*MPC* 22590), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	200.98151	(2000.0)	P	Q	
<i>n</i>	0.19006719	ω 41.69491	+0.99365484	-0.01524431	
<i>a</i>	2.9959274	Ω 318.77256	-0.04386052	+0.85981170	
<i>e</i>	0.1080507	<i>i</i> 9.73455	+0.10356791	+0.51038363	
<i>P</i>	5.19	<i>H</i> 12.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

800122 095	1.3-	1.4-	880916 675	0.4+	0.5-	930815 010	0.0	0.6-
880907 400	0.5-	2.2+	880916 675	1.2+	0.8-	930816 010	0.6+	1.5-
880907 400	2.3-	0.2+	880916 054	0.0	0.5+	930816 010	0.4-	0.0
880907 400	0.7-	1.0+	880920 054	0.4-	0.6+	930816 010	0.4+	0.3-
880909 054	0.1-	1.7+	880920 054	0.1-	0.2+	930819 010	(2.9+	3.1+)
880909 054	0.3+	0.9-	910210 675	0.8+	1.0-	930819 010	(3.5+	3.0+)
880910 675	0.7+	0.9-	910210 675	0.0	1.3+	930820 010	(3.0+	2.9+)
880910 675	1.0+	0.9-	930815 010	0.3+	0.6-			

1988 RS₃ = 1997 AL₁₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	90.05310	(2000.0)	P	Q	
<i>n</i>	0.27169287	ω 200.54602	+0.99924591	+0.03498981	
<i>a</i>	2.3609343	Ω 157.42898	-0.02658370	+0.93248020	
<i>e</i>	0.2432433	<i>i</i> 2.51342	-0.02830046	+0.35952244	
<i>P</i>	3.63	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

880908 033	0.0	0.4+	880915 675	0.1+	0.4+	970110 691	0.4-	0.1-
880909 033	0.1-	0.1+	880915 675	0.1-	0.6+	970110 691	0.6-	0.2-
880909 033	0.4+	0.1+	880918 807	1.1+	0.3+	970110 691	0.4-	0.3-
880910 033	0.4-	0.0	881005 807	0.1-	0.7-	970111 691	0.8+	0.4+
880910 033	0.3+	0.3-	881008 807	0.0	0.7-	970111 691	0.8+	0.6+
880911 033	0.1+	0.1+	970102 691	0.4-	0.3-	970111 691	1.0+	0.6+
880911 675	0.7-	0.0	970102 691	0.4-	0.0			
880911 675	0.7-	0.3-	970102 691	0.4-	0.2-			

1988 RF₄ = 1994 FC₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	151.84169	(2000.0)	P	Q	
<i>n</i>	0.28741376	ω 336.54538	+0.74963887	+0.66135647	
<i>a</i>	2.2740378	Ω 341.97753	-0.59344923	+0.65462632	
<i>e</i>	0.1742047	<i>i</i> 4.72381	-0.29301805	+0.36615844	
<i>P</i>	3.43	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

880816 675	0.1+	0.7-	880908 809	1.0-	0.5-	880915 809	2.0+	0.1-
880816 675	0.5-	1.3+	880908 809	0.8-	0.6-	880915 809	1.9+	0.2-
880901 809	(3.6-	0.1+)	880908 809	0.7-	0.5-	880915 809	1.8+	0.2+
880901 809	(3.0-	0.3+)	880909 809	0.2-	0.6-	940316 691	0.9-	0.8-
880901 809	2.4-	0.5+	880909 809	0.1+	0.5-	940316 691	0.8-	0.7-
880903 809	0.2-	1.7+	880909 809	0.3+	0.5-	940316 691	0.7-	0.2-
880903 809	0.1+	1.8+	880912 809	0.5+	0.8-	940402 691	0.6+	0.4-
880903 809	0.7+	1.9+	880912 809	0.6+	0.9-	940402 691	0.4+	0.1-
880906 809	1.4-	0.8-	880912 809	0.5+	1.1-	940402 691	0.4+	0.2+
880906 809	1.1-	0.9-	880912 675	1.4+	0.1-			
880906 809	1.1-	0.8-	880912 675	0.3+	0.4+			

1988 RR₅ = 1951 CF₂ = 1991 OT₁ = 1994 LH₁₀

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>	239.45570	(2000.0)	P	Q	
<i>n</i>	0.30224371	ω 259.90892	+0.08744511	+0.99610354	
<i>a</i>	2.1990303	Ω 15.12195	-0.89592001	+0.08366466	
<i>e</i>	0.1023017	<i>i</i> 2.51537	-0.43552346	+0.02789181	
<i>P</i>	3.26	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

510204 675	0.5+	0.1+	880907 809	0.6-	0.5+	881007 807	1.3+	0.5-
510204 675	0.2-	0.9+	880910 809	0.1-	0.0	881103 807	1.6-	2.1-
880902 809	1.1-	1.6+	880910 809	0.2-	0.1-	881105 807	(3.3+	1.1+)
880902 809	0.2-	1.7+	880910 809	0.0	0.1+	910716 675	0.2-	1.7-
880902 809	0.1+	1.8+	880911 675	0.5+	1.1+	910716 675	(1.8+	10.3-)
880906 809	0.3+	0.9-	880911 675	0.7+	1.0+	940510 675	0.1-	0.1+
880906 809	0.0	0.9-	880911 809	0.0	0.5-	940510 675	0.1-	0.2+

880906 809	0.0	1.0−	880911 809	0.0	0.6−	940608 675	1.1+	0.5+
880907 809	1.0−	0.7+	880911 809	0.0	0.7−	940608 675	0.2−	0.2+
880907 809	0.6−	0.7+	881004 807	1.4+	0.7−			

1988 RV₁₁ = 1997 AS₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.29259905	ω	97.06287	−0.12586631	+0.99196650		
<i>a</i>	2.2470916	Ω	165.68777	−0.92919925	−0.11341477		
<i>e</i>	0.1535665	<i>i</i>	2.93429	−0.34748587	−0.05603175		
<i>P</i>	3.37	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

880914 807	0.1+	0.1−	961105 691	0.1−	0.2−	970103 691	0.1−	0.1−
880915 807	0.0	0.1−	961105 691	0.1+	0.0	970110 691	0.1−	0.1−
881006 807	0.1+	0.2+	961105 691	0.1−	0.0	970110 691	0.1−	0.0
881007 807	0.2−	0.1−	970103 691	0.5+	0.2+	970110 691	0.1−	0.1−
881106 807	0.1+	0.1+	970103 691	0.0	0.2+			

1988 SN

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.26776778	ω	21.01098	+0.92616724	−0.37710547		
<i>a</i>	2.3839502	Ω	1.15175	+0.32683046	+0.79950014		
<i>e</i>	0.1327415	<i>i</i>	6.82488	+0.18813848	+0.46753715		
<i>P</i>	3.68	<i>H</i>	13.3	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

880917 399	1.9+	0.6+	881004 046	(3.7−	1.2−)	881016 399	0.2+	0.2−
880922 399	1.7−	0.4−	881005 399	1.1−	0.5+	881016 399	0.3−	1.3+
880922 399	2.0−	1.0−	881005 399	0.3+	0.3+	881018 399	0.7−	0.1+
880922 399	0.9+	1.1+	881005 399	0.8+	0.6+	881018 399	(3.1+	0.3+)
881003 399	0.9+	0.4+	881008 399	0.4−	1.0−	970104 411	0.7−	0.1−
881003 399	0.7+	0.2−	881011 046	0.1+	0.6−	970104 411	0.1+	0.0
881003 399	0.4+	0.2+	881011 046	1.4+	0.7+	970106 411	0.0	0.1+
881003 399	(2.8+	0.2−)	881014 046	(7.6−	0.3+)	970106 411	0.5+	0.1−
881003 399	0.3−	1.2−	881014 046	(5.8−	1.4−)			
881004 046	1.9−	0.8−	881016 399	0.7+	0.3−			

1988 SN₁

Id. T. Kobayashi (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.27471430	ω	210.38912	+0.81713255	+0.56397136		
<i>a</i>	2.3435913	Ω	114.80747	−0.49890865	+0.79557194		
<i>e</i>	0.1650715	<i>i</i>	7.55163	−0.28876382	+0.22136303		
<i>P</i>	3.59	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

880915 675	0.2−	0.6−	881007 807	0.8−	0.1−	961219 411	0.4−	0.4−
880915 675	0.1−	0.2−	881104 807	0.5−	0.7+	970111 566	0.1−	0.4+
880916 807	1.1+	0.4−	881106 807	0.6+	1.4+	970111 566	0.4+	1.0+
880918 807	1.8+	0.8−	961214 411	0.4−	0.8−	970111 566	0.2+	0.6+
881005 807	1.0−	0.2+	961214 411	0.4+	0.7−			
881006 807	1.0−	0.4+	961219 411	0.2−	0.9−			

1988 TE = 1976 JU₅

Id. T. Kobayashi (1996 observations), S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.26447749	ω	97.53413	+0.99971117	+0.01289413		
<i>a</i>	2.4036814	Ω	261.72863	−0.01985933	+0.91847135		
<i>e</i>	0.2239722	<i>i</i>	1.17430	+0.01353434	+0.39527728		
<i>P</i>	3.73	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

760503 809	0.0	0.1−	881004 046	0.1−	0.1−	881011 046	2.1+	2.0+
880917 399	1.6−	1.1+	881004 046	0.3+	0.8−	881014 046	0.3−	2.0+
880922 399	0.9−	2.0−	881005 399	0.1−	1.0−	881014 046	1.0+	1.1+
880922 399	0.6−	0.6+	881005 399	1.1+	0.2+	881019 399	1.9−	1.8−
881003 399	2.2+	0.3−	881005 399	1.1+	0.2−	881019 399	1.8−	2.2−
881003 399	1.9−	0.2−	881007 675	0.1+	0.1−	881019 399	0.4−	0.4−
881003 399	0.2+	0.8+	881007 675	0.2+	0.1+	961220 411	0.2−	0.3−
881003 399	1.8+	0.2−	881011 046	0.5−	1.4+	961220 411	0.2+	0.3+

1988 VT₂ = 1988 VN₁Id. K. Watanabe (d, *MPC* 13998), T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.26426532	ω	111.66526	+0.88486045	−0.46499306		
<i>a</i>	2.4049678	Ω	276.05417	+0.41618587	+0.81638851		
<i>e</i>	0.1695562	<i>i</i>	1.63338	+0.20931149	+0.34247811		
<i>P</i>	3.73	<i>H</i>	13.7	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

881102 399	(2.7−	6.6−)	881111 399	(2.3−	2.7−)	881114 399	0.3+	0.2−
881102 399	0.5+	1.2−	881111 399	1.0−	0.7−	970106 411	0.4+	0.3+
881102 399	0.0	0.6+	881111 399	0.9−	0.2−	970106 411	0.1+	0.3−
881108 399	0.1+	0.7+	881111 399	1.8−	0.6−	970107 411	0.1−	0.4−
881108 399	1.1+	0.9−	881114 399	0.5+	1.2+	970107 411	0.4−	0.3+
881108 399	(2.2−	3.7−)	881114 399	1.1+	1.2+			

1989 EJ₆ = 1995 DR₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.16825604	ω	344.25584	−0.48880160	−0.87237676		
<i>a</i>	3.2495429	Ω	135.00561	+0.80126481	−0.45149365		
<i>e</i>	0.0988976	<i>i</i>	0.45681	+0.34503290	−0.18738266		
<i>P</i>	5.86	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

890210 033	0.1−	0.1−	890310 033	0.3−	0.9+	950226 098	(0.3+	7.8−)
890210 033	0.0	0.5−	950224 098	2.6−	0.1+	950227 098	2.7+	0.4−
890307 033	0.1−	0.7+	950224 098	1.4−	0.2−	950227 098	1.1+	0.0
890310 033	0.7+	0.6−	950225 098	(0.5+	7.4−)			

1989 SX₂ = 1995 WN₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.17351304	ω	9.46909	−0.41696288	−0.90152045		
<i>a</i>	3.1835717	Ω	105.24621	+0.82587185	−0.42896913		
<i>e</i>	0.1507566	<i>i</i>	6.89175	+0.37957560	−0.05697689		
<i>P</i>	5.68	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

890926 809	0.7−	0.5+	890928 809	1.0+	0.2+	891106 675	0.3+	0.4−
890926 809	1.9−	1.1−	891007 809	(4.2−	3.2−)	951116 399	0.1−	1.3−
890926 809	1.9−	0.9−	891007 809	(4.7−	2.7−)	951116 399	0.4+	0.4+
890928 809	2.2+	0.8+	891007 809	(5.2−	1.9−)	951117 399	0.2+	0.1+
890928 809	1.2+	1.1+	891106 675	0.1−	0.2−	951117 399	0.5−	1.0+

1989 SZ₂ = 1996 EH₁₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.23590090	<i>ω</i>	191.23330	+0.98088401	−0.19459329		
<i>a</i>	2.5940777	<i>Ω</i>	179.98744	+0.18994104	+0.95738720		
<i>e</i>	0.1820621	<i>i</i>	10.87356	+0.04229603	+0.21340852		
<i>P</i>	4.18	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

890926 809	(6.2−	8.1−)	890928 809	0.0	0.7+	891008 809	0.1+	0.6−
890926 809	(3.7−	4.4−)	890929 675	(2.8+	0.2+)	891008 809	0.6−	0.8−
890926 809	0.4−	0.3−	890929 675	1.8+	0.5−	891008 809	0.3−	0.4−
890926 809	0.0	1.0+	891003 071	(3.0+	1.0+)	891106 675	0.7+	0.7+
890926 809	0.3−	0.1−	891003 071	(3.1+	0.8+)	891106 675	0.6+	1.1+
890926 809	0.6−	0.1+	891003 809	(0.5+	3.0+)	960312 691	0.9+	0.0
890928 809	0.2−	1.6−	891003 809	(0.4+	3.0+)	960312 691	0.6+	0.0
890928 809	(0.4+	2.9−)	891003 809	0.6+	2.1+	960327 691	0.4−	0.3+
890928 809	(0.4−	2.7−)	891007 809	0.6−	1.4−	960327 691	0.4−	0.4+
890928 809	0.6+	1.7+	891007 809	0.3−	0.1−	960327 691	0.5−	0.4+
890928 809	0.3+	0.2+	891007 809	1.3−	0.7−			

1989 SZ₄ = 1997 AJ₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.30553841	<i>ω</i>	23.43140	+0.19654447	−0.97905369		
<i>a</i>	2.1831932	<i>Ω</i>	55.27360	+0.88904946	+0.15509576		
<i>e</i>	0.0714852	<i>i</i>	3.70732	+0.41347470	+0.13190597		
<i>P</i>	3.23	<i>H</i>	14.7	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

890926 809	0.0	0.3−	890929 675	1.1−	1.4−	970108 411	0.4−	0.4+
890926 809	0.5−	0.3+	891003 809	0.0	1.0+	970109 691	0.0	0.1−
890926 809	0.1+	0.1−	891003 809	0.4−	0.7+	970109 691	0.3+	0.0
890928 809	1.3+	0.4+	891003 809	0.5−	0.8+	970109 691	0.1+	0.3−
890928 809	0.3+	0.5−	970107 411	0.5−	0.4+	970113 411	0.1+	0.3+
890928 809	1.0+	0.2+	970107 411	0.4+	0.5−	970113 411	0.6+	0.0
890929 675	0.2−	1.1−	970108 411	0.5−	0.3−			

1989 VM₁ = 1997 AT₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.30156928	<i>ω</i>	232.09127	+0.96639703	−0.24945653		
<i>a</i>	2.2023076	<i>Ω</i>	142.23960	+0.25594520	+0.91139782		
<i>e</i>	0.1746347	<i>i</i>	5.81421	+0.02385013	+0.32730026		
<i>P</i>	3.27	<i>H</i>	17.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

891103 809	0.6+	0.1+	891106 809	0.3−	0.4+	970103 691	0.1+	0.1+
891103 809	1.0−	1.4−	891202 809	0.9+	0.4−	970103 691	0.2−	0.1+
891103 809	0.1+	0.7−	891202 809	0.3−	0.0	970110 691	0.1+	0.1−

891106 809	0.8+	1.3+	891202 809	0.6−	0.4+	970110 691	0.1+	0.0
891106 809	0.1−	0.2+	970103 691	0.1−	0.2−	970110 691	0.0	0.0

1990 BA

Id. P. Comba (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.42934991	<i>ω</i>	170.68259	−0.53971797	−0.84144736		
<i>a</i>	1.7401838	<i>Ω</i>	311.97688	+0.77011739	−0.48107097		
<i>e</i>	0.3381873	<i>i</i>	1.99662	+0.34003488	−0.24604280		
<i>P</i>	2.30	<i>H</i>	17.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

900121 010	1.2+	0.8−	900124 675	0.4−	0.4+	900323 801	0.1−	0.6−
900121 010	1.0−	0.6+	900124 675	1.1−	1.1−	900327 801	0.4+	0.8+
900121 010	(2.3+	1.3−)	900125 675	0.5−	1.0−	900327 801	0.4+	0.4−
900121 010	0.0	0.6+	900126 657	0.6−	0.5+	900422 688	0.2−	0.2+
900122 675	0.3−	1.6+	900221 801	0.4+	0.1−	900422 688	0.6+	0.2+
900122 010	1.6+	1.1−	900221 801	0.8+	0.3−	970117 684	0.9−	0.3+
900122 010	0.3−	0.0	900227 801	0.2−	0.0	970117 684	1.4+	0.8+
900122 010	1.5+	0.8−	900227 801	0.3−	0.4−	970118 684	0.1+	0.2+
900122 010	0.5−	1.2+	900323 801	1.7−	0.3−	970118 684	0.5+	1.2+

1990 OV₄ = 1996 XO₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.20030526	<i>ω</i>	70.05615	+0.95352434	+0.12209871		
<i>a</i>	2.8929515	<i>Ω</i>	282.14990	−0.23713994	+0.86810507		
<i>e</i>	0.2266329	<i>i</i>	16.36653	+0.18589240	+0.48112939		
<i>P</i>	4.92	<i>H</i>	13.1	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

900725 675	0.0	0.1+	900730 675	0.4−	0.8−	961214 411	0.4+	0.1+
900725 675	0.3+	0.2+	961207 411	0.1+	0.1−	961214 411	0.5−	0.1−
900728 675	0.3−	0.6+	961207 411	0.1+	0.1−	961228 411	0.7−	0.1+
900728 675	0.3+	0.0	961208 411	0.4+	0.4−	961228 411	0.3+	0.2+
900730 675	0.1+	0.1−	961208 411	0.0	0.2+			

1990 QR₁ = 1997 AE₁₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.21211654	<i>ω</i>	193.58666	+0.79907622	+0.60103641		
<i>a</i>	2.7845373	<i>Ω</i>	129.45869	−0.54975589	+0.74069493		
<i>e</i>	0.0654679	<i>i</i>	1.13146	−0.24340432	+0.30021036		
<i>P</i>	4.65	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

900816 809	0.2+	1.8+	900914 809	0.3−	1.1+	900924 809	0.6+	0.7−
900816 809	0.1+	0.4+	900914 809	0.1+	0.9+	961218 327	0.5−	0.2+
900816 809	0.0	0.4+	900914 809	0.7+	1.0+	961218 327	0.8+	0.3+
900820 809	1.0+	0.9+	900914 675	0.2−	0.9−	961218 327	1.0−	0.2+
900820 809	0.2−	0.5−	900914 675	1.1−	1.6−	970102 327	1.4+	0.1+
900820 809	0.0	0.2+	900916 809	0.2+	1.2+	970102 327	1.2+	0.2+
900822 675	0.8−	0.0	900916 809	0.3+	1.1+	970102 327	0.9+	0.1+
900822 675	0.2−	0.7+	900916 809	0.4+	1.1+	970109 691	0.9−	0.3−
900826 809	1.5−	0.4−	900919 675	(2.5−	0.6−)	970109 691	0.8−	0.0
900826 809	0.7−	0.2−	900919 675	0.7+	1.3−	970109 691	0.9−	0.2−

M.P.C. 28844

900826	809	0.4−	0.9−	900923	809	0.2−	0.0	970111	327	0.3−	0.3−
900827	675	0.2+	1.6−	900923	809	0.2−	0.1−	970111	327	0.6−	0.0
900827	675	0.3−	0.8+	900923	809	0.1−	0.1+	970111	327	0.9+	0.1+
900828	675	0.1+	0.9−	900924	809	0.1+	1.2−				
900828	675	1.2+	0.7−	900924	809	0.3+	0.9−				

1990 RG₃ = 1985 RH₂ = 1993 FZ₄₈ = 1996 XX₂₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5											
				Nakano							
<i>M</i>	72.85795							P		Q	
	(2000.0)										
<i>n</i>	0.20184766	<i>ω</i>	196.15065		+0.94320375		−0.33221006				
<i>a</i>	2.8781952	<i>Ω</i>	183.25395		+0.30815931		+0.87689204				
<i>e</i>	0.0541844	<i>i</i>	1.79343		+0.12411497		+0.34741448				
<i>P</i>	4.88	<i>H</i>	12.5	<i>G</i>	0.15		<i>U</i>	2			

Residuals in seconds of arc

850913	675	1.0−	2.7+	900923	809	0.6−	0.2−	930324	809	0.4−	0.0
850914	675	(0.0	13.3+)	900923	809	0.2−	0.2−	961213	411	0.3+	0.2−
900914	675	1.3+	1.6−	900924	809	0.4−	0.4−	961213	411	0.2+	0.3−
900914	675	1.1+	1.7−	900924	809	0.0	0.3−	961214	411	0.1+	0.1−
900918	675	1.2+	1.8−	900924	809	0.4+	0.1+	961214	411	0.5−	0.3+
900918	675	(3.3+	1.0−)	900929	809	0.4+	1.3+	961220	411	0.3+	0.2−
900922	809	1.3−	0.2+	900929	809	0.5+	1.3+	961220	411	0.1+	0.0
900922	809	0.8−	0.0	900929	809	0.6+	1.1+	961229	411	0.1−	0.5+
900922	809	0.3−	0.3+	930319	809	0.1+	0.6−	961229	411	0.4−	0.4+
900923	809	0.8−	0.4−	930320	809	0.3+	0.7+				

1990 TC₄ = 1996 XE₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5											
				Nakano							
<i>M</i>	54.15710							P		Q	
	(2000.0)										
<i>n</i>	0.18607981	<i>ω</i>	160.40965		+0.88172467		−0.47140200				
<i>a</i>	3.0385744	<i>Ω</i>	227.72983		+0.42943509		+0.81821852				
<i>e</i>	0.0942714	<i>i</i>	1.43156		+0.19531286		+0.32908755				
<i>P</i>	5.30	<i>H</i>	13.2	<i>G</i>	0.15		<i>U</i>	6			

Residuals in seconds of arc

901011	033	0.6−	0.5−	901018	033	0.7+	0.9+	961212	411	0.5−	0.2+
901012	033	0.6+	0.0	961203	411	0.2−	0.2−	961212	411	0.2+	1.3−
901012	033	0.6−	0.2−	961203	411	0.3+	0.5−	961228	411	0.7−	0.4+
901013	033	0.3+	0.1−	961206	411	0.5+	0.0	961228	411	1.0+	0.6+
901014	033	0.4−	0.0	961206	411	0.6−	0.6+				

1990 UA₂

Id. E. Bowell (1994 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5											
				Williams							
<i>M</i>	172.39579							P		Q	
	(2000.0)										
<i>n</i>	0.24053410	<i>ω</i>	279.43015		+0.83187022		−0.55066417				
<i>a</i>	2.5606582	<i>Ω</i>	114.01180		+0.53420507		+0.76083979				
<i>e</i>	0.2657022	<i>i</i>	4.33203		+0.15038907		+0.34335374				
<i>P</i>	4.10	<i>H</i>	14.5	<i>G</i>	0.15		<i>U</i>	4			

Residuals in seconds of arc

901021	385	0.1−	0.6−	901110	385	(3.3−	0.2+)	941003	675	0.0	0.2−
901021	385	1.9+	0.7+	901110	385	(6.0−	0.7−)Y	941003	675	0.2−	0.8+
901026	385	0.9−	0.5−	901122	385	1.6+	0.0	941104	675	1.0+	0.9−
901026	385	1.9−	1.3+	901122	385	0.8−	0.1−	941104	675	0.5−	0.5−

1997 JAN. 23

1990 UZ₄ = 1996 XR₃₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5											
				Williams							
<i>M</i>	345.78177							P		Q	
	(2000.0)										
<i>n</i>	0.17268453	<i>ω</i>	1.39157		+0.04000203		−0.98840851				
<i>a</i>	3.1937464	<i>Ω</i>	86.33091		+0.91532422		−0.02253316				
<i>e</i>	0.1676763	<i>i</i>	8.43885		+0.40072609		+0.15013621				
<i>P</i>	5.71	<i>H</i>	13.5	<i>G</i>	0.15		<i>U</i>	6			

Residuals in seconds of arc

901016	809	0.2+	0.6+	901019	809	1.5−	0.0	961206	399	0.2−	0.3−
901016	809	0.0	1.0−	901024	809	0.7+	0.1−	961207	399	0.3−	0.6−
901016	809	0.1−	0.2+	901024	809	0.6+	0.1−	961207	399	0.6−	0.1−
901019	809	1.3+	0.7+	901024	809	0.2−	0.1−				
901019	809	1.0−	0.3−	961206	399	1.0+	1.0+				

1990 VX₆

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5											
				Nakano							
<i>M</i>	104.86938							P		Q	
	(2000.0)										
<i>n</i>	0.19116298	<i>ω</i>	249.78732		+0.97179526		+0.13873982				
<i>a</i>	2.9844675	<i>Ω</i>	101.86259		−0.06389367		+0.93328715				
<i>e</i>	0.1120873	<i>i</i>	11.23644		−0.22700565		+0.33124970				
<i>P</i>	5.16	<i>H</i>	13.3	<i>G</i>	0.15		<i>U</i>	5			

Residuals in seconds of arc

901020	413	1.3−	0.2+	901115	809	1.3−	0.3−	970114	411	0.6+	0.3+
901020	413	0.9+	0.2−	901115	809	0.2+	1.1+	970114	411	0.5+	0.0
901027	413	0.6+	0.6+	901115	809	1.5+	0.6+	970115	411	1.0−	0.6−
901111	809	0.3−	1.3−	901117	809	(4.6−	0.6+)	970115	411	0.1−	0.3+
901111	809	0.6+	0.3−	901117	809	(3.4−	0.8−)				
901111	809	0.0	0.0	901117	809	0.9−	0.3−				

1990 WX₃ = 1980 TR₁₃ = 1993 SV₁₄ = 1995 DY₁₃

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5											
				Williams							
<i>M</i>	311.95941							P		Q	
	(2000.0)										
<i>n</i>	0.30034670	<i>ω</i>	306.94135		+0.72902863		−0.67458575				
<i>a</i>	2.2082800	<i>Ω</i>	95.79786		+0.65921797		+0.64635567				
<i>e</i>	0.1687067	<i>i</i>	6.69455		+0.18425233		+0.35659279				
<i>P</i>	3.28	<i>H</i>	14.0	<i>G</i>	0.15		<i>U</i>	2			

Residuals in seconds of arc

801012	095	0.1−	0.3+	901119	809	1.9+	0.3−	901124	400	(3.1+	1.3−)
901114	675	0.9−	0.6+	901121	809	1.1−	0.4+	901213	400	0.8+	0.3+
901114	675	0.9−	0.6+	901121	809	0.7−	0.5+	901213	400	0.1+	2.2+
901115	809	0.3+	1.9−	901121	809	1.0−	0.7+	930918	675	0.2−	0.3+
901115	809	0.4+	1.6−	901121	400	(3.2+	4.7−)	930918	675	0.1−	0.5+
901115	809	0.0	1.0−	901121	400	(5.1+	3.2−)	950224	557	0.5+	0.5+
901116	809	(3.1−	0.5+)	901122	809	0.2−	0.1+	950224	557	0.1−	0.3+
901117	809	1.3−	0.6−	901122	809	0.0	0.7−	950224	557	0.2−	0.0
901119	809	0.7+	0.4−	901122	809	0.2+	0.8−				
901119	809	1.3+	0.1−	901124	400	0.0	1.6+				

1991 BD₁

Id. E. Bowell (1989, 1993 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	100.95829	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.23639866	ω 51.52171	-0.96975051	-0.22111772
<i>a</i>	2.5904351	Ω 115.48632	+0.17262891	-0.92072914
<i>e</i>	0.0915141	<i>i</i> 6.57728	+0.17257812	-0.32150399
<i>P</i>	4.17	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

890930 675	0.1+	0.6+	910118 511	0.3-	0.1+	910214 675	1.4+	0.0
890930 675	0.1-	0.4-	910119 511	(4.0-	0.4+)	910219 675	1.2+	0.4-
910116 675	0.1-	1.1+	910119 511	(2.4-	0.3+)	910219 675	0.6+	1.1-
910116 675	0.1+	0.8+	910120 511	1.5+	1.1-	930918 675	0.2+	0.3-
910118 511	1.8-	0.7+	910120 511	1.0-	0.6-			
910118 511	1.4-	0.5-	910214 675	0.1+	0.9+			

1991 BA₃ = 1991 EB₂Id. S. Nakano (d, *MPC* 19821), E. Bowell (1988 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	250.99871	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.18961280	ω 145.30482	+0.27390435	+0.95421801
<i>a</i>	3.0007117	Ω 140.20620	-0.91944553	+0.29645936
<i>e</i>	0.0551629	<i>i</i> 10.82331	-0.28212821	-0.03974706
<i>P</i>	5.20	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

880816 675	0.3+	0.4-	910115 033	0.3-	0.5-	910308 809	1.1+	0.8-
880816 675	0.8+	0.6-	910116 033	0.1-	0.2-	910310 809	0.6-	0.3+
880911 675	0.7-	0.3+	910117 033	0.5-	1.2+	910310 809	0.2-	0.6+
880911 675	0.2-	0.3+	910308 809	0.8-	0.8-	910310 809	0.1+	0.7+
910115 033	1.1+	0.3-	910308 809	0.0	0.8-			

1991 CL

Id. E. Bowell (1989, 1993 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	64.83099	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.21397559	ω 48.99958	-0.98190851	-0.02350603
<i>a</i>	2.7683855	Ω 128.78908	-0.02417257	-0.96858660
<i>e</i>	0.1540097	<i>i</i> 13.94875	+0.18780670	-0.24756305
<i>P</i>	4.61	<i>H</i> 12.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

891102 675	0.8+	0.3+	910205 875	0.3-	0.3-	910217 875	0.6+	0.4+
891102 675	0.8-	0.3-	910207 875	0.5-	0.1-	910220 875	1.1+	0.1-
910117 033	0.6+	0.4-	910207 875	0.1+	0.9-	910220 875	0.6-	0.6+
910117 033	0.6+	0.1+	910212 875	1.4-	0.7+	930918 675	0.5-	0.2+
910118 033	0.2+	0.1-	910212 875	0.1-	0.3-	930918 675	0.4+	0.0
910205 875	0.5-	0.7+	910217 875	0.3+	0.5-			

1991 GR₁ = 1988 RK₁₄ = 1994 CE₁₉ = 1996 XW₃₃

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	176.06737	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.27081366	ω 98.01816	-0.48277334	+0.87257933
<i>a</i>	2.3660414	Ω 142.81691	-0.84414757	-0.44105737
<i>e</i>	0.0959049	<i>i</i> 7.07122	-0.23311968	-0.20993740
<i>P</i>	3.64	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

880912 675	0.0	0.4+	910508 675	1.3+	0.6+	940213 691	0.1+	0.3+
880912 675	0.1-	0.2+	910508 675	1.1+	1.0+	961204 691	0.2-	0.1+
910410 675	0.8-	1.1-	910510 675	0.4+	0.9+	961204 691	0.1-	0.1+
910410 675	0.9-	1.1-	910510 675	0.4+	1.1+	961204 691	0.0	0.2+
910412 675	1.5-	0.5-	940213 691	0.2+	0.5+			
910412 675	0.3-	0.6-	940213 691	0.0	0.3+			

1991 GM₁₀ = 1978 VX₁₂ = 1997 AL₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	126.45003	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.12333383	ω 234.87220	+0.94113709	+0.32891589
<i>a</i>	3.9971267	Ω 105.81438	-0.27776083	+0.88391836
<i>e</i>	0.2265078	<i>i</i> 4.64666	-0.19263931	+0.33241941
<i>P</i>	7.99	<i>H</i> 11.3	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

781102 095	0.0	0.1+	910411 033	0.4+	0.0	970104 411	0.5+	0.3-
910409 033	0.0	0.4+	910412 033	0.6+	0.6-	970104 411	0.1-	0.1+
910409 033	0.4-	0.1+	970103 411	0.4-	0.3+	970110 411	0.9-	0.3+
910411 033	0.5-	0.0	970103 411	0.3+	0.2+	970110 411	0.6+	0.7-

1991 OO

Id. E. Bowell (1994 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	171.28937	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.28361289	ω 108.93186	+0.94205816	+0.33223899
<i>a</i>	2.2943098	Ω 231.69035	-0.32568034	+0.87280146
<i>e</i>	0.2012245	<i>i</i> 3.38273	-0.08036632	+0.35754002
<i>P</i>	3.48	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

910716 675	0.0	0.1-	910805 675	0.7-	0.4+	910914 675	1.4-	0.0
910716 675	0.1-	0.3-	910808 675	0.1-	0.9-	940510 675	0.5+	0.4-
910718 675	0.2+	0.1-	910808 675	0.2-	1.3+	940510 675	0.3+	0.0
910718 675	0.9+	0.2+	910913 675	0.1-	0.2-	940608 675	0.5-	0.7+
910805 675	0.3+	1.3-	910913 675	1.4+	1.1+	940608 675	0.2-	0.2+

1991 PW = 1976 UE₁₉ = 1996 XC₂₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	132.23052	(2000.0)	<i>P</i>	<i>Q</i>
<i>n</i>	0.25714961	ω 53.66360	+0.79126605	+0.60849523
<i>a</i>	2.4491317	Ω 268.77781	-0.57855741	+0.71313032
<i>e</i>	0.2148779	<i>i</i> 3.45568	-0.19791249	+0.34810731
<i>P</i>	3.83	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

761024 381	0.2-	0.4+	910807 046	2.1-	1.3-	910914 675	0.2+	0.1-
761024 381	0.0	0.4+	910807 046	0.9-	1.2-	961204 691	0.2+	0.1-
910805 675	0.1+	1.0-	910808 675	0.1-	0.2-	961204 691	0.0	0.3-
910805 675	0.1+	0.2+	910808 675	0.2+	0.3+	961204 691	0.4-	0.3-
910806 809	0.6+	1.6+	910913 675	0.4+	0.0	961215 691	0.3-	0.1+
910806 809	0.8+	1.1+	910913 675	0.4+	0.9-	961215 691	0.1+	0.2+
910806 809	0.6+	1.1+	910914 675	0.1+	0.4-	961215 691	0.0	0.6-

1991 PH₂ = 1996 XZ₃₂

Id. M. Tombelli

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	93.32699		(2000.0)	P	Williams	Q		
<i>n</i>	0.24173478	ω	243.77914	+0.82845128	+0.55958738			
<i>a</i>	2.5521721	Ω	82.18542	-0.50519402	+0.76441018			
<i>e</i>	0.0861361	<i>i</i>	1.33209	-0.24175914	+0.32021719			
<i>P</i>	4.08	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5	

Residuals in seconds of arc

910802 809	1.0+	0.1-	910814 809	0.4+	0.1+	910907 809	0.4+	0.2+
910802 809	0.3-	0.2-	910814 809	0.2+	0.7-	961206 098	0.8-	0.6-
910802 809	0.4+	0.4-	910904 809	0.9+	0.3-	961206 098	0.4-	0.6+
910807 809	0.2+	0.9+	910904 809	0.5-	0.6-	961208 098	0.4+	0.2+
910807 809	1.1-	0.5+	910904 809	0.2-	0.7-	961208 098	0.8+	0.3-
910807 809	1.5-	0.6-	910907 809	0.5-	0.9+			
910814 809	0.9+	0.4+	910907 809	0.3-	0.7+			

1991 PC₁₁ = 1989 ES₁₀ = 1996 XT₃₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	27.66132		(2000.0)	P	Williams	Q		
<i>n</i>	0.22653525	ω	248.36912	+0.81827442	-0.57063168			
<i>a</i>	2.6650919	Ω	146.31337	+0.56272637	+0.77058314			
<i>e</i>	0.1620042	<i>i</i>	7.18048	+0.11732860	+0.28386813			
<i>P</i>	4.35	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	3	

Residuals in seconds of arc

890305 033	0.3+	0.1-	910808 675	0.0	0.7-	910916 095	0.9+	0.1+
890305 033	0.3-	0.2-	910808 675	0.8-	0.9-	961206 399	0.0	0.0
910805 675	0.4-	1.1-	910914 675	0.5+	0.4-	961206 399	1.4-	0.9+
910807 675	0.5+	0.5+	910914 675	0.2+	0.5-	961215 399	1.3+	1.4-
910807 675	0.2-	0.8+	910916 095	0.7-	1.7+	961215 399	0.1+	0.3+

1991 RP₂ = 1989 EH₁₂ = 1992 YL₅

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	92.80069		(2000.0)	P	Williams	Q		
<i>n</i>	0.18959994	ω	47.89281	-0.16183045	+0.98277516			
<i>a</i>	3.0008475	Ω	213.11002	-0.94674516	-0.18013169			
<i>e</i>	0.0557353	<i>i</i>	9.40256	-0.27836039	+0.04129849			
<i>P</i>	5.20	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	3	

Residuals in seconds of arc

890309 675	0.2-	0.1-	911002 033	1.0-	0.3-	911007 033	1.6+	0.5-
890309 675	0.2+	0.2+	911003 033	0.2-	0.6+	911008 033	0.4-	0.3+
910909 033	0.8-	0.3-	911003 033	0.3-	0.5-	911008 033	0.1-	0.5+
910910 033	0.6-	0.0	911003 033	1.6+	0.2-	911009 033	0.4-	0.1+
910912 033	0.5-	0.6-	911004 033	1.3+	0.2-	921217 691	0.5+	0.7+
910912 033	0.4-	0.1-	911004 033	0.1-	1.1+	921217 691	0.3-	0.4-
910913 033	0.1+	0.4-	911004 033	0.6+	0.0	921217 691	0.2-	0.5-
910914 033	0.9+	0.5-	911005 033	0.2-	0.1-			
911002 033	0.0	0.2+	911007 033	1.3-	1.0+			

1991 RV₄

Id. T. Kobayashi (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	73.83859		(2000.0)	P	Nakano	Q		
<i>n</i>	0.23253805	ω	140.15378	+0.97196805	-0.23227256			
<i>a</i>	2.6190274	Ω	233.31458	+0.20247197	+0.90569147			
<i>e</i>	0.1134570	<i>i</i>	2.60415	+0.11951242	+0.35464408			
<i>P</i>	4.24	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

910913 033	0.6-	0.1-	911003 033	1.0+	0.6-	911010 691	0.8-	0.1-
910913 033	0.1+	0.1-	911004 033	1.0+	0.3-	911010 691	0.8-	0.2-
910913 033	0.0	0.0	911004 033	0.7+	0.1-	911010 691	0.8-	0.1+
910914 033	0.3+	0.3+	911007 033	0.8+	0.2-	961220 411	0.0	0.2-
910915 033	0.5+	0.6+	911007 033	0.5-	0.2+	961220 411	0.3-	0.2+
910915 033	0.6-	0.0	911008 033	0.5-	0.4+	961221 411	0.3+	0.0
910918 033	0.2-	0.2-	911009 033	0.5+	0.3+	961221 411	0.0	0.1+

1991 RN₅ = 1964 TT₁ = 1982 SM₁₁ = 1997 AM₁₂

Id. B. G. Marsden

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	59.86614		(2000.0)	P	Williams	Q		
<i>n</i>	0.21869296	ω	192.51438	+0.99589944	+0.08541323			
<i>a</i>	2.7284302	Ω	162.50264	-0.07207994	+0.94831124			
<i>e</i>	0.0668961	<i>i</i>	5.69088	-0.05466974	+0.30563110			
<i>P</i>	4.51	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

641009 330	(1.5-	2.8+)	910916 675	0.4-	1.0-	970110 684	0.4+	0.2+
820927 095	0.3-	0.8+	911003 691	0.8+	0.6+	970110 684	0.3+	0.2+
910911 675	0.6+	0.9+	911003 691	0.9-	0.8+	970112 684	0.2-	0.1+
910911 675	0.4+	0.5+	911003 691	1.3-	0.7+	970112 684	0.1-	0.1+
910913 675	0.1+	0.3-	911007 675	0.8+	0.4+	970116 684	0.4-	0.3-
910913 675	0.3+	0.6-	911007 675	0.2+	1.0-	970116 684	0.1+	0.3-
910916 675	0.0	0.7-	911008 675	0.3-	1.3-			

1991 XD

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	302.58235		(2000.0)	P	Williams	Q		
<i>n</i>	0.36552318	ω	11.63562	+0.23738854	-0.90571908			
<i>a</i>	1.9372817	Ω	65.46923	+0.85742043	+0.02544437			
<i>e</i>	0.1012510	<i>i</i>	22.70651	+0.45659270	+0.42311409			
<i>P</i>	2.70	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4	

From 11 observations 1991 Dec. 3-1992 Apr. 5, mean residual 0".80.

1992 BF₄ = 1978 EM₁₀

Id. G. V. Williams (*MPC* 20340)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	8.2338		(2000.0)	P	Marsden	Q		
<i>n</i>	0.20289807	ω	76.58889	-0.43530563	-0.89990628			
<i>a</i>	2.8682529	Ω	39.24903	+0.80925599	-0.40379893			
<i>e</i>	0.0287689	<i>i</i>	2.35816	+0.39447910	-0.16466669			
<i>P</i>	4.86	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5	

Residuals in seconds of arc

780315 675	1.2-	0.4+	920130 691	1.0-	0.3+	970108 046	0.2-	0.3+
780316 675	1.2+	0.6-	920204 675	0.7+	1.5-	970108 046	0.3+	0.4+
920129 691	0.2-	0.4-	920204 675	1.3+	0.2-	970108 046	0.0	0.1+
920129 691	0.1+	0.1-	920209 691	0.2-	0.2-	970108 046	0.1+	0.5+

920129	691	0.7−	0.2−	920209	691	1.1−	0.7+	970113	046	0.1+	0.2−
920130	691	0.1−	0.1−	920209	691	1.1+	1.0+	970113	046	0.0	0.1−
920130	691	0.0	0.2−	970108	046	0.0	0.2+	970113	046	0.0	0.1−

1992 EE₇ = 1997 BP

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	198.42341		(2000.0)	P		Q	
<i>n</i>	0.18545810	ω	161.06244	+0.37574439		+0.91287130	
<i>a</i>	3.0453615	Ω	130.66744	−0.87510810		+0.40619762	
<i>e</i>	0.0910544	<i>i</i>	12.14903	−0.30496224		−0.04085937	
<i>P</i>	5.31	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920227	691	0.4−	0.2−	920404	809	0.1−	0.0	970119	046	0.1+	0.0
920227	691	0.4−	0.2−	970118	046	0.0	0.0	970119	046	0.1−	0.0
920227	691	0.5−	0.1−	970118	046	0.1+	0.1+	970119	046	0.1−	0.0
920301	809	0.7+	0.4+	970118	046	0.1+	0.0	970119	046	0.1−	0.0
920304	809	0.2+	0.0	970118	046	0.5+	0.0				
920309	809	0.4+	0.2+	970119	046	0.3−	0.1−				

1992 EC₁₂ = 1995 WC₄₂Id. T. Kobayashi (*MPC* 26563)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	152.82159		(2000.0)	P		Q	
<i>n</i>	0.17223649	ω	146.18912	+0.63343464		+0.77127693	
<i>a</i>	3.1992826	Ω	162.84049	−0.74849419		+0.63117698	
<i>e</i>	0.0530753	<i>i</i>	12.20829	−0.19625753		+0.08214321	
<i>P</i>	5.72	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

891106	675	0.1+	1.3−	940902	691	0.3−	0.5+	951126	327	0.1+	0.1+
891106	675	0.1−	1.1+	940902	691	0.0	0.4+	951126	327	0.1+	0.0
920302	809	(3.2−	2.4−)	940902	691	0.0	0.7+	951129	327	0.2−	0.6−
920306	809	0.1+	1.8+	951125	327	0.4−	1.0+	951129	327	0.2−	0.4−
920308	809	0.1+	0.1+	951125	327	0.3+	0.3+	951129	327	0.2+	0.1−
920309	809	0.2+	0.3−	951125	327	0.1−	0.4+				
920406	809	0.1−	0.2+	951126	327	0.2+	0.1+				

1992 EG₁₆ = 1996 YD₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	349.67813		(2000.0)	P		Q	
<i>n</i>	0.18328722	ω	294.94392	−0.39615123		−0.91818490	
<i>a</i>	3.0693607	Ω	178.39317	+0.85282693		−0.36829027	
<i>e</i>	0.2111037	<i>i</i>	1.71197	+0.34022114		−0.14594100	
<i>P</i>	5.38	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

920301	809	0.1−	0.8+	920407	809	0.0	0.2−	961221	411	0.2+	0.1−
920303	809	0.3+	0.7−	961220	411	0.1−	0.7+	961221	411	0.2−	0.2−
920306	809	0.3−	0.2+	961220	411	0.1+	0.5−				

1992 EC₁₈ = 1996 FG₂₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	244.79163		(2000.0)	P		Q	
<i>n</i>	0.28086691	ω	168.24315	+0.88110160		−0.47149771	
<i>a</i>	2.3092396	Ω	219.95533	+0.42913320		+0.82974374	
<i>e</i>	0.0901508	<i>i</i>	3.27976	+0.19875778		+0.29868918	
<i>P</i>	3.51	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

920303	809	0.1+	0.3+	960324	809	0.2+	0.7−	960327	809	0.3−	0.7+
920305	809	0.4+	0.1+	960324	809	0.2+	1.4−	960327	809	0.1+	0.4+
920308	809	0.5−	0.3−	960324	809	0.8−	0.6−				
920407	809	0.0	0.1−	960327	809	0.5+	1.5+				

1992 EA₂₂ = 1994 PC₄₀

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	243.23159		(2000.0)	P		Q	
<i>n</i>	0.18473051	ω	95.72774	−0.50586939		+0.85283748	
<i>a</i>	3.0533526	Ω	142.94838	−0.85178217		−0.47015249	
<i>e</i>	0.0244080	<i>i</i>	12.40896	−0.13624717		−0.22721106	
<i>P</i>	5.34	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

920301	809	0.7+	1.6+	940809	675	0.1+	1.9+	970109	411	1.2−	0.5+
920304	809	0.7+	0.7+	940813	809	0.3−	0.6+	970110	411	0.9+	0.3+
920307	809	0.1−	0.8+	940813	809	0.2+	0.0	970110	411	0.1+	0.2+
920404	809	0.9−	0.8−	940813	809	0.6−	0.7+				
940809	675	(3.2+	0.9−)	970109	411	0.3+	0.1−				

1992 FV₁ = 1942 FF = 1967 GB = 1989 RA₆ = 1994 WN₁₃

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	28.95892		(2000.0)	P		Q	
<i>n</i>	0.23699214	ω	167.56812	−0.82367904		+0.55652141	
<i>a</i>	2.5861086	Ω	46.79908	−0.53220884		−0.69247748	
<i>e</i>	0.1683765	<i>i</i>	8.58346	−0.19572067		−0.45908481	
<i>P</i>	4.16	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	2

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

420317	062	0.2+	0.5−	890902	675	0.4−	1.0+	920403	400	0.1+	1.5−
420317	062	2.1+	0.8+	920331	400	0.7+	0.8+	920425	400	1.2−	1.2+
420318	062(0.03−	0.00+)		920331	400	0.8+	0.4+	920425	400	0.1−	0.1+
670404	095	(2.8−	7.4−)	920402	400	(3.5−	0.7−)	941127	675	0.0	0.4+
670405	095	3.3−	1.4+	920402	400	2.2+	0.6−	941127	675	0.9−	0.2+
890902	675	0.3−	1.6+	920403	400	0.1−	0.1+				

1992 PJ = 1979 MOId. G. V. Williams (*MPC* 21584)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	184.33114		(2000.0)	P		Q	
<i>n</i>	0.30912446	ω	336.18450	−0.39588099		+0.91691643	
<i>a</i>	2.1662761	Ω	270.46252	−0.83421911		−0.38204352	
<i>e</i>	0.0789537	<i>i</i>	2.89035	−0.38387070		−0.11535597	
<i>P</i>	3.19	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

790622 805	0.7−	0.6+	920726 809	(6.0+	0.1+)	920809 010	0.1+	0.1+
790622 805	0.2+	0.5−	920730 809	(5.5+	2.4−)	920809 010	0.8−	0.2+
790625 805	0.5+	0.3−	920730 809	(4.6+	1.6−)	961204 098	0.1+	0.2+
920724 809	(3.6+	0.5+)	920730 809	(4.6+	1.8−)	961204 098	0.5+	0.5+
920724 809	(3.4+	0.6+)	920808 010	0.4+	0.4+	961206 098	0.2−	0.3−
920724 809	0.8+	0.3−	920808 010	0.4−	0.1−	961206 098	0.9−	1.4−
920726 809	(6.2+	0.5−)	920808 010	0.7−	0.6+	961208 098	0.1+	1.0+
920726 809	(5.8+	0.3−)	920809 010	0.7+	0.8−	961208 098	0.5+	0.2−

1992 PQ₂ = 1982 UU₉ = 1996 YX₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	50.79921		(2000.0)	P	Q
<i>n</i>	0.28709038	ω	104.28611	+0.97004544	−0.22132927
<i>a</i>	2.2757451	Ω	268.57390	+0.16570686	+0.90427144
<i>e</i>	0.1268371	<i>i</i>	5.74821	+0.17763188	+0.36511164
<i>P</i>	3.43	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

821022 095	0.2−	0.6+	920806 675	0.5+	1.2+	961220 327	0.8+	0.3−
920802 675	0.5+	0.7−	920806 675	0.6+	0.5+	961220 327	0.1+	0.2−
920802 675	0.2+	0.1+	920821 675	0.6−	1.6+	961221 327	0.6−	0.5−
920803 675	0.9−	1.2−	920821 675	(1.3+	2.4−)	961221 327	1.2−	0.4+
920803 675	(2.6−	0.2+)	920827 675	0.8+	0.1+	961221 327	0.1+	0.1+
920806 675	0.3+	1.7−	920827 675	0.1−	0.1+			
920806 675	1.0−	0.8−	961220 327	0.7+	0.5−			

1992 SM₁₂ = 1987 GT = 1988 QN₁

Id. S. Nakano, E. Bowell

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	101.99929		(2000.0)	P	Q
<i>n</i>	0.26758941	ω	150.91811	+0.51315521	+0.85657041
<i>a</i>	2.3850094	Ω	149.86028	−0.80693326	+0.50307165
<i>e</i>	0.1385805	<i>i</i>	6.21927	−0.29245589	+0.11491755
<i>P</i>	3.68	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

870401 675	0.5−	0.4+	880816 675	0.3−	0.0	921019 400	2.2−	0.8−
870401 675	0.3+	0.9−	920923 400	0.6+	0.4+	921019 400	0.2−	0.9−
870403 675	(10.0−	0.2+)	920923 400	1.6+	0.5−	921026 400	0.4−	0.5+
870403 675	(11.1−	0.4+)	921001 400	0.2+	0.2−	921026 400	0.7−	0.0
880816 675	0.4+	0.1−	921001 400	1.3+	1.3+			

1992 SB₁₃ = 1987 FS

Id. T. Kobayashi (1996 observations), S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	325.03655		(2000.0)	P	Q
<i>n</i>	0.28539743	ω	84.93232	−0.66822908	−0.74255124
<i>a</i>	2.2847359	Ω	47.10770	+0.65547236	−0.61669010
<i>e</i>	0.0951020	<i>i</i>	3.57550	+0.35188902	−0.26136369
<i>P</i>	3.45	<i>H</i>	13.4	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

870321 046	0.2+	0.2−	921002 400	0.9+	1.2+	921019 400	(3.6+	2.9−)
870321 046	0.3−	0.0	921003 691	0.9−	0.2−	961220 411	0.3−	0.3+
920930 400	0.2+	1.0−	921003 691	1.1−	0.1−	961220 411	0.3+	0.1−

920930 400	1.0−	1.7+	921003 691	0.0	0.1−
921002 400	(7.2+	1.7+)	921019 400	2.0+	1.5−

1992 SK₁₃ = 1992 UY₆ = 1954 OWId. G. V. Williams (d, *MPC* 21905), T. Kobayashi (1997 observations), S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	75.16981		(2000.0)	P	Q
<i>n</i>	0.28717235	ω	59.55005	+0.98910421	−0.13317423
<i>a</i>	2.2753121	Ω	308.02967	+0.09215519	+0.89249606
<i>e</i>	0.1805007	<i>i</i>	4.56915	+0.11480538	+0.43094710
<i>P</i>	3.43	<i>H</i>	14.2	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

540729 675	0.1−	0.4−	920930 675	0.0	1.1−	970102 411	0.5+	0.2−
540729 675	0.5+	0.5−	921002 675	0.4−	0.3−	970102 411	0.4−	0.5−
920926 402	1.4+	0.3+	921002 675	0.8−	0.5−	970103 411	0.0	0.8−
920926 402	0.7+	0.1−	921025 675	0.6−	0.3+	970103 411	0.9−	0.2−
920927 402	1.0+	0.8+	921025 675	0.5−	0.6+	970114 411	0.2−	0.1+
920927 402	0.3−	0.7−	921026 675	(1.2−	3.3+)	970114 411	0.3+	0.1−
920930 675	0.3−	0.9−	921026 675	0.3−	1.6+			

1992 SP₂₆ = 1988 QO₁ = 1996 YQ₃

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	50.82070		(2000.0)	P	Q
<i>n</i>	0.26290532	ω	275.54904	+0.99753866	+0.00432624
<i>a</i>	2.4132546	Ω	84.21674	+0.02432710	+0.91474657
<i>e</i>	0.1898552	<i>i</i>	4.03369	−0.06576335	+0.40400495
<i>P</i>	3.75	<i>H</i>	15.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

880816 675	0.1−	0.4−	920928 033	0.3−	0.6−	961219 327	0.6+	0.0
880816 675	0.6−	0.6−	921031 033	0.4−	0.4−	961219 327	0.3−	0.1−
880911 675	0.9+	0.7+	921031 033	0.5−	0.6−	961219 327	0.5+	0.4+
880911 675	0.2−	0.8+	921101 033	0.1+	0.2+	961229 327	0.3+	0.1−
920923 033	0.8+	0.0	921123 033	0.2−	0.2−	961229 327	0.1−	0.2+
920925 033	0.4+	0.5+	921123 033	0.6+	0.7+	961229 327	0.6+	1.7−
920925 033	1.0+	0.4+	961217 608	0.7−	0.7+			
920927 033	1.2−	0.6−	961217 608	0.7−	0.9+			

1992 UN₂

Id. E. Bowell (1988 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	28.74978		(2000.0)	P	Q
<i>n</i>	0.26719896	ω	358.88913	+0.65328963	−0.75600880
<i>a</i>	2.3873323	Ω	50.31920	+0.69504112	+0.57750223
<i>e</i>	0.1980608	<i>i</i>	3.03771	+0.30021742	+0.30812639
<i>P</i>	3.69	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

880816 675	0.9+	0.4−	921027 376	1.7−	1.4+	921121 376	1.4+	0.5−
880816 675	0.9−	0.4−	921027 376	0.6+	0.7−	921121 376	0.4+	1.1−
880911 675	0.4−	0.5+	921031 376	0.0	0.5+	921129 376	1.0−	0.2−
880911 675	0.3+	0.3+	921031 376	0.5+	0.9−	921129 376	0.7−	0.6+
921025 376	0.3+	0.7−	921114 376	0.0	1.4+			
921025 376	0.5−	0.2−	921114 376	0.5+	0.3+			

1992 UY₂ = 1997 AM₁₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	44.63039	ω	212.22369	+0.53577235	-0.84354156		
<i>a</i>	2.2959242	Ω	205.43846	+0.79190740	+0.51729582		
<i>e</i>	0.0743242	<i>i</i>	4.97147	+0.29296868	+0.14436989		
<i>P</i>	3.48	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

921025 376	0.4-	1.2+	921114 376	1.1-	0.6+	970110 327	0.3+	0.0
921025 376	1.0+	0.5-	921121 376	0.1-	0.8-	970110 327	0.7+	0.3+
921027 376	2.3-	0.1-	921121 376	0.7+	0.6+	970110 327	0.6-	0.1+
921027 376	0.3-	1.3+	970109 327	1.1+	0.2-	970110 327	0.2-	0.0
921031 376	1.2+	0.7-	970109 327	0.7-	0.0	970110 327	0.5+	0.1-
921031 376	1.6+	2.0-	970109 327	0.7-	0.3-			
921114 376	0.3-	0.4+	970109 327	0.5-	0.0			

1992 UP₈ = 1990 EU₆ = 1997 AH₁₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	37.16134	ω	114.06226	+0.60963516	-0.79206773		
<i>a</i>	2.3429417	Ω	298.33808	+0.71378820	+0.56565435		
<i>e</i>	0.2203476	<i>i</i>	2.03170	+0.34474829	+0.22948610		
<i>P</i>	3.59	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

900302 809	1.3-	0.9-	921101 033	0.3+	0.5+	970105 327	0.6-	0.1-
900302 809	0.9-	0.6-	921123 033	0.2-	0.2+	970108 327	0.8-	0.1+
900302 809	0.4-	0.6-	921123 033	1.6-	0.5+	970108 327	0.1-	0.2+
900306 809	1.0+	1.0+	961218 327	0.3-	0.6-	970108 327	0.5-	0.1+
900306 809	1.1+	1.3+	961218 327	0.1+	0.2-	970111 327	0.2+	0.6-
900306 809	1.3+	1.5+	961218 327	0.2+	0.8-	970111 327	0.2-	0.1+
921031 033	1.0+	0.2-	970105 327	0.8+	0.0	970111 327	0.2-	0.1+
921031 033	0.1+	0.1-	970105 327	0.7+	0.1-			

1992 VN = 1995 QJ₁₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	61.55945	ω	152.35192	+0.61345920	-0.77879869		
<i>a</i>	2.2562757	Ω	259.51269	+0.69776238	+0.61216279		
<i>e</i>	0.1247530	<i>i</i>	7.65140	+0.36985871	+0.13685512		
<i>P</i>	3.39	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

921101 400	0.2+	0.6-	921116 400	1.5+	0.2-	950821 033	0.5+	0.0
921101 400	0.3-	0.2-	921116 400	(2.6+	0.9-)	950821 033	0.4-	0.1+
921115 400	0.9-	0.7+	921121 400	0.5-	0.8-	950822 033	0.2-	0.1-
921115 400	1.0-	0.9+	921121 400	0.9+	0.1+			

1992 WT₃

Id. T. Kobayashi (1996 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	7.28265	ω	336.23110	+0.33257999	-0.93408779		
<i>a</i>	2.4471554	Ω	94.13535	+0.88479158	+0.26138558		
<i>e</i>	0.2217302	<i>i</i>	7.48264	+0.32639609	+0.24322333		
<i>P</i>	3.83	<i>H</i>	14.6	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

921117 691	0.2-	0.3-	921123 372	0.0	0.5-	921127 372	0.9+	0.3+
921117 691	0.0	0.3-	921123 372	1.6+	0.0	961219 411	0.2+	0.0
921117 691	0.1+	0.3-	921125 372	0.9-	0.6-	961219 411	0.2-	0.4-
921121 372	(2.5+	3.6+)	921125 372	0.7-	0.7-	961220 411	0.1+	0.0
921121 372	0.1+	2.1+	921127 372	0.9-	0.4+	961220 411	0.1-	0.3+

1992 WO₅ = 1995 QL₂Id. T. Urata (*MPC* 25641)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	79.11159	ω	285.22806	+0.91479410	-0.39760160		
<i>a</i>	2.3328874	Ω	98.24230	+0.39268087	+0.83415159		
<i>e</i>	0.0347125	<i>i</i>	4.12368	+0.09462286	+0.38223564		
<i>P</i>	3.56	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

921125 675	1.5+	0.9-	921216 372	0.1-	1.0-	970110 411	0.8+	0.6-
921125 675	1.9+	0.1-	921216 372	1.8-	1.0+	970110 411	1.0-	0.1+
921127 372	0.2+	0.6-	921217 372	0.1+	1.5+	970111 411	0.1+	0.0
921127 372	0.2-	1.8-	921217 372	0.9-	2.3+	970111 411	0.4-	0.2+
921128 675	1.1+	0.8-	921221 372	0.1-	0.1-	970113 905	0.3-	0.9-
921128 675	0.9+	1.2-	921221 372	(2.0-	2.9+)	970113 905	0.2-	0.3+
921201 372	0.6-	0.5+	950825 905	0.5+	0.7-	970116 905	1.1+	0.6+
921201 372	0.8-	0.2-	950825 905	0.0	0.4-	970116 905	0.3-	0.2-
921203 372	0.4+	2.0+	950826 905	0.7-	0.2-			
921203 372	1.9-	0.2-	950826 905	0.1+	1.4+			

1992 WD₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	327.81771	ω	197.48366	-0.66386750	-0.64866901		
<i>a</i>	2.4539309	Ω	295.99652	+0.72606280	-0.43980147		
<i>e</i>	0.2326922	<i>i</i>	24.46024	+0.17920030	-0.62113057		
<i>P</i>	3.84	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

510104 675	0.2+	0.1+	921222 670	0.3+	1.8+	970113 127	0.7-	0.9+
510104 675	0.2+	0.3+	921222 670	0.3-	1.1+	970113 127	0.5-	0.4+
921125 675	0.7+	0.1+	930124 675	0.2+	0.6-	970113 127	0.3-	0.2+
921125 675	0.9+	0.8+	930124 675	0.2+	1.5-	970114 127	0.6-	0.5+
921130 675	0.8-	0.2+	930125 675	(0.7-	2.2-)	970114 127	0.4-	0.5+
921130 675	0.6-	0.4-	930125 675	0.7-	0.6-	970114 127	0.5+	0.0
921201 675	1.7+	0.9+	930322 801	0.1-	0.0	970116 127	0.5+	1.0-
921201 675	0.4+	1.1-	930323 801	0.0	0.1-	970116 127	0.2+	0.0
921222 670	1.0-	0.1-	961209 801	0.1+	1.2-	970116 127	0.7+	0.2+
921222 670	1.3-	1.1-	961209 801	0.3+	0.9-			

1993 BA = 1975 XV₄

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	173.34911	ω	182.87014	+0.45478631	+0.85983284		
<i>a</i>	2.5688660	Ω	114.27784	-0.81195559	+0.50736537		
<i>e</i>	0.0616131	<i>i</i>	14.74905	-0.36592011	-0.05716534		
<i>P</i>	4.12	<i>H</i>	12.2	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

751203 095	0.0	0.1+	930119 372	1.1+	0.6−	970110 411	0.5−	0.1+
930116 372	0.9+	1.6+	930122 372	1.1−	0.2+	970111 411	0.3−	0.3−
930116 372	0.4+	0.9−	930122 372	0.4+	0.2−	970111 411	0.4−	0.1−
930119 372	1.5−	0.1+	970110 411	1.1+	0.1−			

1993 BT₂

Id. E. Bowell (1955, 1989 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	295.88331		(2000.0)	P		Q		
<i>n</i>	0.23050392	ω	195.62484	−0.96411724		−0.26099506		
<i>a</i>	2.6344129	Ω	329.11434	+0.25258324		−0.84547707		
<i>e</i>	0.2090777	<i>i</i>	5.42990	+0.08172916		−0.46588636		
<i>P</i>	4.28	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	3	

Residuals in seconds of arc

550324 675	0.0	0.2+	930124 400	1.6+	0.3−	930213 400	1.9+	0.0
550324 675	0.0	0.0	930124 400	1.2+	0.3+	930320 801	0.0	0.3−
890309 675	0.0	0.1−	930129 691	0.8−	0.1+	930320 801	0.2+	0.5−
890309 675	0.0	0.1+	930129 691	0.7−	0.1+	930323 801	0.4−	0.1+
930123 400	2.1−	0.2+	930129 691	0.7−	0.1+	930323 801	0.4−	0.0
930123 400	0.7+	0.1+	930213 400	0.5−	0.0			

1993 CR₁ = 1997 AP₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	292.44499		(2000.0)	P		Q		
<i>n</i>	0.22584410	ω	24.73946	−0.98883174		−0.08832956		
<i>a</i>	2.6705264	Ω	149.44163	+0.06306257		−0.97776559		
<i>e</i>	0.1053168	<i>i</i>	13.65685	+0.13503664		−0.19019027		
<i>P</i>	4.36	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

930215 399	1.9+	0.5+	930225 399	0.8−	0.9+	970106 376	0.1+	0.9+
930215 399	(3.2+	1.0+)	930324 675	0.8+	0.4−	970106 376	0.1−	0.3+
930221 399	1.4−	0.5+	930324 675	0.6−	0.7+	970106 376	0.2−	0.6−
930221 399	0.6+	1.1−	970103 376	0.1−	0.6−			
930225 399	0.4−	1.1−	970103 376	0.3+	0.0			

1993 DV = 1997 AJ₂₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	355.70212		(2000.0)	P		Q		
<i>n</i>	0.23396981	ω	199.25443	−0.20781673		−0.97719686		
<i>a</i>	2.6083318	Ω	262.75850	+0.90311438		−0.17456916		
<i>e</i>	0.1853569	<i>i</i>	2.51737	+0.37576138		−0.12087972		
<i>P</i>	4.21	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	6	

Residuals in seconds of arc

930215 399	(1.1−	2.9+)	930221 399	2.0+	2.2+	930312 399	1.6+	0.4+
930215 399	0.1+	0.9+	930221 399	0.6+	0.1−	930312 399	(3.2+	0.1+)
930219 511	0.6−	1.1−	930222 511	1.5−	1.5−	930318 399	0.8+	1.0+
930219 511	(4.9+	2.7−)	930222 511	0.1−	1.3+	930318 399	1.5−	1.0+
930219 511	0.6−	1.6−	930222 511	(4.3−	3.4−)	970109 399	0.0	0.8+
930219 511	(4.8+	0.5−)	930224 511	1.7+	0.5−	970109 399	0.0	0.5+
930220 511	(1.7+	6.5−)	930225 511	(4.9+	1.1−)	970112 399	0.6+	0.0
930220 511	(1.3+	10.1−)	930225 399	0.2−	0.7+	970112 399	0.4−	0.8−
930221 511	2.1−	1.9−	930225 399	0.5−	1.0−			

1993 FO₈

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	3.82493		(2000.0)	P		Q		
<i>n</i>	0.21712965	ω	12.89352	−0.19234483		−0.97802892		
<i>a</i>	2.7415108	Ω	88.23833	+0.89306072		−0.20841160		
<i>e</i>	0.0682102	<i>i</i>	4.61330	+0.40675056		−0.00490372		
<i>P</i>	4.54	<i>H</i>	12.7	<i>G</i>	0.15	<i>U</i>	6	

Residuals in seconds of arc

930317 809	0.1+	0.5−	930416 413	0.2+	0.0	970103 411	0.3−	0.4−
930318 809	0.2+	0.2+	970102 411	0.4+	0.5+	970103 411	0.9+	0.3−
930323 809	0.5−	0.2+	970102 411	1.1−	0.2+			

1993 FT₁₄ = 1997 AG₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	359.20766		(2000.0)	P		Q		
<i>n</i>	0.23570356	ω	344.28677	−0.43957317		−0.89531140		
<i>a</i>	2.5955254	Ω	131.72965	+0.83414137		−0.43666086		
<i>e</i>	0.2463679	<i>i</i>	5.54110	+0.33314201		−0.08800447		
<i>P</i>	4.18	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

930317 809	0.3+	0.3−	930416 413	0.1+	0.3+	970103 369	0.2−	0.0
930318 809	0.2−	0.1−	970103 369	0.1+	0.3−	970106 369	0.2+	0.1+
930323 809	0.2−	0.0	970103 369	0.1−	0.2−	970106 369	0.0	0.5+

1993 FF₂₁ = 1997 AS₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	14.47481		(2000.0)	P		Q		
<i>n</i>	0.21100308	ω	95.45450	−0.01862833		−0.99981804		
<i>a</i>	2.7943246	Ω	355.60660	+0.89477835		−0.01483757		
<i>e</i>	0.0611451	<i>i</i>	3.07420	+0.44612184		−0.01198910		
<i>P</i>	4.67	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5	

Residuals in seconds of arc

930321 809	0.8−	0.5+	930327 809	1.0+	0.5−	970102 369	0.2+	0.3+
930322 809	0.2+	0.2+	930416 413	0.2−	0.4+	970103 369	0.4−	0.1+
930326 809	0.1−	0.7−	970102 369	0.0	0.5−	970103 369	0.2+	0.2+

1993 FC₅₁ = 1997 AX₁₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	88.79310		(2000.0)	P		Q		
<i>n</i>	0.20369339	ω	47.33116	+0.98948335		−0.14402548		
<i>a</i>	2.8607819	Ω	320.94410	+0.12571723		+0.90208982		
<i>e</i>	0.0700018	<i>i</i>	1.21792	+0.07153931		+0.40680538		
<i>P</i>	4.84	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	5	

Residuals in seconds of arc

930319 809	0.4+	1.0+	930415 691	0.1−	0.3−	970112 691	0.3−	0.8−
930320 809	1.0+	0.5+	930417 413	0.2−	0.7+	970112 691	0.2−	0.4−
930324 809	0.2+	1.3+	970102 327	0.7+	0.2+	970112 691	0.2−	0.1−
930326 691	0.4+	1.2−	970102 327	0.6+	0.2+	970115 566	0.8+	0.5+
930326 691	1.1−	0.1−	970102 327	0.4+	0.0	970115 566	0.1+	0.2+
930326 691	0.7−	0.4−	970106 691	0.5−	0.2−	970115 566	0.2−	0.5+
930415 691	0.2+	0.5−	970106 691	0.7−	0.2−			
930415 691	0.0	0.9−	970106 691	0.7−	0.0			

1993 LR₁

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.21627491	ω	236.98119	−0.97842807	−0.08357878		
<i>a</i>	2.7487292	Ω	297.58600	+0.16614873	−0.86183672		
<i>e</i>	0.1649443	<i>i</i>	12.30753	−0.12277262	−0.50025199		
<i>P</i>	4.56	<i>H</i>	13.4	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

930613 413	0.7+	0.8+	930615 413	0.4+	0.1−	970109 411	0.3−	0.3+
930613 413	0.9−	0.5−	930615 413	0.1−	0.3+	970110 411	0.4−	0.0
930614 413	0.1+	0.1−	930618 413	0.1−	0.8−	970110 411	0.3−	0.1−
930614 413	0.4−	0.1−	930618 413	0.1−	0.5+			
930615 413	0.5+	0.0	970109 411	0.9+	0.2−			

1993 QR₄

Id. E. Bowell (1989, 1991 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.23951895	ω	96.84871	−0.33054771	−0.94369542		
<i>a</i>	2.5678883	Ω	12.47805	+0.83976043	−0.30052047		
<i>e</i>	0.0792028	<i>i</i>	3.53178	+0.43074427	−0.13829821		
<i>P</i>	4.11	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

890927 675	0.1−	0.5+	930819 010	0.1+	0.3−	930910 691	(3.9−	0.7+)
890927 675	0.3−	0.3+	930819 010	0.3+	0.9−	930910 691	(3.7−	0.7+)
910210 675	0.2+	0.6−	930820 809	2.0+	0.0	930919 010	1.9−	1.4−
910210 675	0.2−	0.4+	930820 809	1.3+	0.2+	930919 010	0.9−	1.7−
930815 809	0.4+	0.5−	930820 809	1.7+	0.4+	930920 010	0.1+	0.8−
930815 809	0.0	0.8−	930824 809	0.5−	1.4+	930920 010	1.1+	0.6+
930815 809	0.8−	0.0	930824 809	0.6−	1.0+	930920 010	0.8+	0.5+
930818 010	1.6−	0.5+	930824 809	1.2−	1.5+			
930819 010	0.3+	0.5−	930910 691	(3.9−	0.6+)			

1993 QV₄

Id. E. Bowell (1988 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.20420951	ω	63.55878	+0.20928436	−0.97782167		
<i>a</i>	2.8559597	Ω	14.36766	+0.88521003	+0.18595100		
<i>e</i>	0.0246340	<i>i</i>	1.85965	+0.41545548	+0.09636914		
<i>P</i>	4.83	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

880816 675	0.2+	0.9−	930819 010	0.4+	0.9−	930919 010	(4.0+	1.2+)
880816 675	0.8+	0.5−	930820 809	0.7−	0.4+	930919 010	2.0+	1.4+
880912 675	0.1−	0.5+	930820 809	0.6−	0.9+	930920 010	(3.4+	1.1−)
880912 675	0.8−	0.8+	930820 809	0.6−	0.5+	930920 010	(3.0+	0.8−)
930818 010	0.1−	1.1+	930824 809	1.7−	0.1−	930920 010	1.1+	1.7−
930819 010	0.8+	0.0	930824 809	2.0−	0.7−			
930819 010	1.2+	0.9−	930824 809	(2.7−	0.3−)			

1993 SG₁

Id. R. H. McNaught (1990 observation), E. Bowell (1989 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.23757277	ω	175.47719	+0.98576528	+0.16670448		
<i>a</i>	2.5818932	Ω	174.77281	−0.16079195	+0.97270728		
<i>e</i>	0.2924334	<i>i</i>	13.86203	−0.04911995	+0.16140062		
<i>P</i>	4.15	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

891102 675	0.1+	0.8+	930921 413	0.6−	0.9−	931217 413	1.4−	1.2−
891102 675	0.2−	0.2−	930921 413	0.4+	2.0+	940123 413	0.2+	0.2+
900120 413	0.1+	0.0	930926 413	0.7+	1.0−	940123 413	0.3+	0.3+
930914 413	0.7−	1.2−	930926 413	0.6+	1.1−			
930914 413	0.4−	2.2+	931106 413	0.7+	0.0			

1993 TD

Id. E. Bowell (1989 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.25189833	ω	32.30908	+0.80146692	−0.59785387		
<i>a</i>	2.4830522	Ω	4.49350	+0.50033424	+0.65668652		
<i>e</i>	0.1843085	<i>i</i>	10.95122	+0.32759185	+0.45971031		
<i>P</i>	3.91	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

890902 675	0.2+	0.2−	931012 596	(5.2+	1.5−)	931016 596	1.0+	1.4−
890902 675	0.5−	0.4−	931012 596	0.2−	1.2−	931019 596	1.3+	1.1+
890927 675	0.4+	0.6+	931012 596	0.1−	0.6+	931019 596	(2.7+	0.9+)
890927 675	0.3−	0.0	931013 675	0.6+	0.3−	931019 596	1.1−	0.2−
931010 596	1.0−	0.0	931013 675	0.2+	0.6−	931109 596	0.7+	1.3−
931010 596	0.5+	1.4+	931015 675	0.1+	0.2−	931109 596	1.3−	0.8+
931010 596	1.3−	1.2+	931016 596	0.5−	0.2−	931111 596	0.2−	0.6+
931011 596	(4.2+	3.0−)	931016 596	(3.3+	2.1+)	931111 596	(3.4−	0.3+)
931011 596	(0.6+	2.9−)	931016 596	1.4+	0.4−			

1994 AG = 1997 AS₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.28805892	ω	246.56094	+0.18247162	−0.98319404		
<i>a</i>	2.2706411	Ω	192.92932	+0.91126685	+0.17132975		
<i>e</i>	0.1529676	<i>i</i>	1.48404	+0.36918402	+0.06305228		
<i>P</i>	3.42	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

940102 411	1.1+	0.5+	940115 411	0.2−	1.8−	970108 683	1.1−	0.1+
940102 411	0.2+	1.5−	940130 411	0.2−	0.8+	970108 683	0.3−	0.7−
940103 411	0.2−	0.8+	940130 411	0.5+	0.6−	970110 683	0.2+	0.0
940103 411	0.7−	0.7+	940130 411	0.2−	0.8−	970110 683	0.3−	1.1−
940108 411	0.5−	0.8+	970108 683	0.4+	0.1−	970110 683	0.5+	0.0
940108 411	0.0	0.1−	970108 683	0.9+	0.8+			
940115 411	0.3+	1.1+	970108 683	0.3−	0.9+			

1994 AH₃ = 1972 GZ = 1981 UX₁₃ = 1985 UD₁ = 1987 HL₂ = 1988 QP₁

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	262.40202		(2000.0)	Williams	
		<i>P</i>	<i>Q</i>		
<i>n</i>	0.26472278	ω	231.69044	-0.75128100	-0.65551537
<i>a</i>	2.4021964	Ω	267.21212	+0.62695116	-0.67256415
<i>e</i>	0.0495811	<i>i</i>	4.40172	+0.20617736	-0.34344879
<i>P</i>	3.72	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

720412 095	0.3+	0.1-	880816 675	0.5+	0.4-	940115 400	1.2+	0.5+
811023 095	1.1+	0.2+	940106 675	0.2-	0.4-	940121 894	0.3+	0.5-
851022 033	1.7-	0.4+	940106 675	0.1+	0.3+	940121 894	1.3-	0.1+
870423 010	0.4-	0.2+	940108 675	0.6+	0.2-	940122 894	0.6+	1.2-
870423 010	0.2+	0.1+	940113 400	0.3-	0.6+	940122 894	0.4-	1.0-
870423 010	0.7-	0.0	940113 400	0.8-	0.1-	940203 400	0.7+	0.3-
880816 675	0.3+	1.3-	940115 400	(2.9+	0.6+)	940203 400	0.1-	0.1+

1994 BS₄ = 1978 NO₅ = 1996 XB₁₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	11.84095		(2000.0)	Williams	
		<i>P</i>	<i>Q</i>		
<i>n</i>	0.28751917	ω	342.68268	+0.55088354	-0.83355415
<i>a</i>	2.2734819	Ω	73.87142	+0.77072764	+0.48907380
<i>e</i>	0.0221285	<i>i</i>	2.47061	+0.32016595	+0.25689355
<i>P</i>	3.43	<i>H</i>	14.0	<i>G</i>	0.15

Residuals in seconds of arc

780710 675	1.2-	1.8-	Y	961204 098	0.5-	0.7+	961212 385	0.4+	0.0
780711 675	1.9+	0.9-	Y	961204 098	0.2-	0.4-	961212 385	0.4+	0.0
780713 675	(3.8+	3.8+)	Y	961206 098	0.1+	0.4+	961212 385	0.4+	0.0
940116 411	0.2-	1.7+		961206 098	1.0-	0.1-	961214 385	0.5+	0.2+
940116 411	1.2-	0.1+		961208 098	2.0-	1.0-	961214 385	0.1+	0.2+
940118 411	1.1-	0.1-		961208 098	0.3+	1.2-	961214 385	0.4+	0.1-
940118 411	0.1-	0.8-		961208 905	0.4-	0.0	961217 566	0.6+	0.5+
940119 411	0.6+	1.9-		961208 905	0.5+	0.4-	961217 566	0.5+	0.5+
940119 411	0.1+	0.1-		961209 905	1.1-	0.7-	961217 566	0.7+	0.4+
940119 411	0.3-	0.4-		961209 905	1.3+	0.2-	970107 385	0.8-	0.2+
940202 411	1.3+	0.2+		961210 327	0.5+	0.0	970107 385	1.0-	0.1-
940202 411	0.1-	0.8-		961210 327	0.2+	0.2+			
940202 411	0.1+	0.2-		961210 327	0.1-	0.2+			

1994 CS₈

Id. E. Bowell (1988, 1989 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	73.03348		(2000.0)	Williams	
		<i>P</i>	<i>Q</i>		
<i>n</i>	0.08166058	ω	22.89489	-0.79628524	-0.59589903
<i>a</i>	5.2617201	Ω	120.11414	+0.53471907	-0.77383281
<i>e</i>	0.0205980	<i>i</i>	6.91104	+0.28285212	-0.21467913
<i>P</i>	12.07	<i>H</i>	9.5	<i>G</i>	0.15

Residuals in seconds of arc

880911 675	0.3+	0.3+	931120 691	1.0-	0.6-	940208 303	0.8+	0.5+
880911 675	0.5-	0.1+	931120 691	0.9-	0.2-	940208 303	0.3+	0.0
890902 675	0.2-	1.0+	940112 691	0.3+	0.2-	940208 303	0.5+	0.1-
890902 675	0.2+	0.9-	940112 691	0.9-	0.3-	940209 303	1.4+	0.4+
931120 691	(2.9-	0.6+)	940112 691	0.2-	0.6-	940210 303	0.7-	1.4+

1994 CK₁₀ = 1996 XL₂₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	342.58823		(2000.0)	Williams	
		<i>P</i>	<i>Q</i>		
<i>n</i>	0.28543342	ω	353.83825	+0.06252172	-0.99598389
<i>a</i>	2.2845439	Ω	92.56451	+0.91840429	+0.03227886
<i>e</i>	0.0965995	<i>i</i>	3.67811	+0.39067199	+0.08351145
<i>P</i>	3.45	<i>H</i>	15.0	<i>G</i>	0.15

Residuals in seconds of arc

940207 809	1.3+	0.9+	940212 809	(0.1+	2.8+)	961207 399	0.2+	0.3-
940207 809	0.6+	0.7+	940212 809	0.3+	1.4+	961208 098	0.4+	0.4-
940207 809	0.2-	0.0	961206 098	0.8-	1.3-	961215 108	(2.9-	0.5+)
940209 809	0.1-	0.5-	961206 098	0.7+	0.7-	961215 108	0.4+	0.5-
940209 809	1.2-	1.3-	961206 399	0.8-	0.8+	961215 108	0.1-	1.1+
940209 809	0.7-	1.2-	961206 399	1.7+	0.8+	961215 108	0.8-	0.7-
940212 809	(0.4+	2.8+)	961207 399	0.8-	1.2+			

1994 CL₁₄ = 1994 EE₇ = 1990 AYId. G. V. Williams (d, *MPC* 23958), T. Kobayashi (1996 observations), S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	66.25805		(2000.0)	Nakano	
		<i>P</i>	<i>Q</i>		
<i>n</i>	0.28219345	ω	263.89305	+0.97700353	-0.19395399
<i>a</i>	2.3019971	Ω	107.26500	+0.21306731	+0.90393934
<i>e</i>	0.1130115	<i>i</i>	5.32222	-0.00814952	+0.38115025
<i>P</i>	3.49	<i>H</i>	13.9	<i>G</i>	0.15

Residuals in seconds of arc

900103 511	0.1+	0.5-	940213 809	2.0+	0.4-	940309 010	0.1-	0.1+
900103 511	0.1-	0.8-	940213 809	0.4+	1.1+	940310 010	0.7+	1.2+
940208 809	0.6+	1.7-	940213 809	0.8+	0.0	940310 010	0.6-	0.7+
940208 809	0.4+	1.2-	940215 691	1.3-	0.5+	940310 010	0.3+	0.1+
940208 809	0.2+	1.5-	940215 691	1.5-	0.5+	961214 411	0.9+	1.0+
940210 809	0.7+	0.4-	940215 691	1.5-	0.5+	961214 411	0.4-	0.8-
940210 809	0.6+	1.1-	940309 010	0.7-	0.5+	961216 411	0.4-	0.6+
940210 809	(1.3+	2.5-)	940309 010	0.7-	0.7+	961216 411	0.0	1.0+

1994 FF = 1997 AO₁₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	264.88431		(2000.0)	Nakano	
		<i>P</i>	<i>Q</i>		
<i>n</i>	0.29004130	ω	79.32250	-0.87452088	+0.47809151
<i>a</i>	2.2602830	Ω	129.18642	-0.47585225	-0.81338465
<i>e</i>	0.1353874	<i>i</i>	6.03549	-0.09369029	-0.33141201
<i>P</i>	3.40	<i>H</i>	13.5	<i>G</i>	0.15

Residuals in seconds of arc

940314 675	0.8+	0.4+	940318 400	0.9-	0.7+	970108 358	0.0	0.4-
940314 675	0.2-	0.8+	940318 400	(1.7+	2.8-)	970108 358	0.3-	1.0+
940314 400	(1.3-	4.1+)	940331 400	0.2-	0.3+	970109 358	0.1+	0.0
940314 400	0.1+	1.9-	940331 400	0.5+	0.4-	970109 358	0.2+	0.6-

1994 GN

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	203.50212		(2000.0)	P	Q
<i>n</i>	0.28841199	ω	203.04933	+0.08683071	+0.99197644
<i>a</i>	2.2687876	Ω	72.03216	-0.89831386	+0.11783839
<i>e</i>	0.1389749	<i>i</i>	5.54329	-0.43068857	-0.04579142
<i>P</i>	3.42	<i>H</i>	13.1	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

940318 400	1.0-	0.3+	940405 400	0.7-	0.2+	970108 411	0.4+	0.5-
940318 400	0.4+	0.4+	940405 400	0.2+	0.8+	970108 411	0.3+	0.1-
940330 400	0.0	0.5+	970107 411	0.7-	0.6+			
940330 400	1.1+	2.2-	970107 411	0.0	0.0			

1994 GW₁₀ = 1996 XE₃₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	278.61898		(2000.0)	P	Q
<i>n</i>	0.25897583	ω	97.60235	-0.92970154	-0.34871812
<i>a</i>	2.4376044	Ω	62.05332	+0.26221255	-0.85267391
<i>e</i>	0.1872553	<i>i</i>	7.71142	+0.25864962	-0.38902810
<i>P</i>	3.81	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

940414 675	0.5-	0.2+	940505 675	0.5+	0.3-	961213 691	0.3+	0.2-
940414 675	1.3+	0.2-	940505 675	0.3-	0.3+	961217 691	0.7-	0.1+
940415 675	0.4-	1.1-	961213 691	0.2+	0.0	961217 691	0.6-	0.1+
940415 675	0.6-	1.0+	961213 691	0.0	0.3-	961217 691	0.7+	0.3+

1994 HA = 1990 KD₃ = 1990 ML₁ = 1991 TP₁₄

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	180.85203		(2000.0)	P	Q
<i>n</i>	0.23661798	ω	69.67430	+0.00773930	+0.99586604
<i>a</i>	2.5888341	Ω	201.38232	-0.98484425	-0.00809143
<i>e</i>	0.1409392	<i>i</i>	14.37308	-0.17326833	+0.09047296
<i>P</i>	4.17	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

900520 095	(0.7+	5.6+)	940417 411	0.5-	0.4+	940506 411	0.5+	0.1+
900520 095	1.6-	0.1-	940417 411	0.4+	0.0	940506 411	0.6-	0.0
900616 808	0.7+	0.4-	940417 411	0.9-	0.1+	940506 411	0.8-	0.1-
900616 808	1.1+	0.6-	940419 411	0.8+	0.1+	940508 411	0.4+	0.5+
911007 675	0.1-	0.9+	940419 411	0.6+	0.5+	940508 411	0.8-	0.6+
911007 675	0.2-	1.7+	940419 411	0.8+	0.7+	940508 411	0.3+	0.0

1994 LK₁

Id. E. Bowell (1991, 1993 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	173.30363		(2000.0)	P	Q
<i>n</i>	0.23982461	ω	180.83886	+0.64255013	+0.73629480
<i>a</i>	2.5657060	Ω	129.17578	-0.70141161	+0.67664344
<i>e</i>	0.1268578	<i>i</i>	15.88110	-0.30846569	-0.00486034
<i>P</i>	4.11	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

911201 675	0.8-	1.0+	940609 675	1.6+	0.0	940704 675	0.5+	1.4+
911201 675	0.2-	1.7+	940609 675	1.2-	0.2+	940704 675	0.0	0.9+
930123 675	0.2-	0.9+	940612 675	0.1+	0.2-	940707 675	0.0	0.6+
930123 675	0.7+	0.5+	940612 675	0.3+	0.8-	940707 675	0.7-	1.0+

1994 NT₁ = 1980 KL₁ = 1988 BT₅ = 1997 AL₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	306.36582		(2000.0)	P	Q
<i>n</i>	0.22111413	ω	46.56191	-0.97175227	-0.12695929
<i>a</i>	2.7084764	Ω	125.16694	+0.07323166	-0.96357503
<i>e</i>	0.0960930	<i>i</i>	14.08516	+0.22435387	-0.23538161
<i>P</i>	4.46	<i>H</i>	12.9	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

800517 095	0.0	0.3+	940705 010	0.6+	1.0+	940714 010	1.0+	1.3-
880118 071	(2.4+	2.6-)	940705 010	0.6+	1.2+	970106 411	0.0	0.8-
880118 071	0.7-	1.1+	940705 010	1.1+	1.6-	970106 411	0.3+	0.4-
880118 071	0.6+	0.8+	940708 010	0.3-	0.5-	970107 411	0.3+	0.5-
880119 071	(0.7-	4.2+)	940708 010	1.2+	0.4-	970107 411	0.3+	0.8-
940704 010	1.8-	0.4-	940708 010	1.0+	0.7+	970111 411	0.4-	0.2-
940704 010	1.0-	0.8+	940714 010	1.2-	0.4+	970111 411	0.7-	0.4-
940704 010	0.3+	0.2+	940714 010	1.5-	1.3-			

1994 PS₃₇ = 1975 EE₁ = 1990 VD₁₀Id. K. Ichikawa (*MPC* 25220), G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	327.44279		(2000.0)	P	Q
<i>n</i>	0.17607089	ω	347.71372	-0.84172202	-0.53988686
<i>a</i>	3.1526639	Ω	159.60784	+0.49659444	-0.77787864
<i>e</i>	0.1607651	<i>i</i>	0.84205	+0.21189150	-0.32160068
<i>P</i>	5.60	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

750306 095	0.2+	0.9+	940810 809	1.5+	0.3+	940904 809	(0.6-	3.4-)
750315 095	0.8-	0.4-	940811 809	0.6+	1.2-	951114 691	0.9-	0.2-
901114 675	2.2+	0.2-	940811 809	0.2-	1.8-	951114 691	0.7-	0.1-
901114 675	1.2+	1.0-	940811 809	0.0	0.8-	951114 691	1.8-	0.1-
920409 691	0.1-	0.9-	940903 809	(0.2+	2.6-)	970109 691	0.5-	0.7-
920409 691	0.1-	1.0-	940903 809	(0.3+	2.1-)	970109 691	0.4-	0.7-
920409 691	0.5-	0.9-	940903 809	(1.0+	2.9-)	970109 691	0.5-	0.7-
940810 809	0.0	0.7-	940904 809	(0.6+	2.4-)			
940810 809	1.0+	0.2-	940904 809	(1.0-	3.3-)			

1994 QC

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	225.77576		(2000.0)	P	Q
<i>n</i>	0.64659189	ω	94.10819	-0.22107961	+0.97261948
<i>a</i>	1.3244916	Ω	162.60803	-0.96258443	-0.20581110
<i>e</i>	0.1179198	<i>i</i>	13.87121	-0.15670042	-0.10794975
<i>P</i>	1.52	<i>H</i>	19.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

940828 104	0.3+	0.2+	940902 801	0.0	0.1+	940908 360	0.5-	0.0
940828 104	0.2-	1.1+	940902 658	0.6-	0.4-	940909 587	0.6-	0.7+
940828 104	0.4+	1.2+	940902 658	0.7-	0.3-	940909 587	1.4-	0.3+
940828 104	0.8+	0.6+	940902 658	0.7-	0.0	940909 589	0.3-	0.6-
940828 104	1.3+	0.4-	940903 801	0.1+	0.1-	940909 589	0.3+	0.0
940828 104	1.4+	0.2+	940903 801	0.6-	0.0	940911 671	0.1-	1.4+
940828 104	1.1+	0.5+	940903 360	0.6-	0.2+	940911 671	0.7+	0.3+
940828 104	0.6+	0.7+	940903 360	0.4-	0.1+	940913 360	0.2+	0.4-
940829 587	0.1+	0.7-	940903 587	0.3-	0.1-	940913 360	0.1-	0.7-

940829 587	0.2+	1.3+	940903 587	0.1-	0.1-	940917 413	0.3+	0.8-
940829 587	1.1+	1.1-	940903 589	0.8-	0.3+	940917 413	0.2+	0.6-
940829 595	0.5-	0.3-	940903 587	0.6-	0.9-	940918 413	0.3+	0.3-
940829 595	0.6+	0.5+	940903 589	0.5-	0.0	940918 413	0.4+	0.4-
940829 595	0.2+	0.1+	940903 589	0.2+	0.4-	940918 413	0.2+	0.3-
940829 589	0.3-	1.1-	940903 589	0.2-	0.2+	940918 413	0.0	0.5-
940829 589	0.3+	0.7-	940903 589	0.1-	0.1+	940922 608	0.4+	0.3-
940829 589	0.0	0.0	940903 589	0.1+	0.1-	940922 608	0.3+	0.3-
940830 595	0.0	0.2-	940904 557	0.1+	0.1-	940925 360	0.5-	0.2+
940830 589	0.5+	0.2-	940904 557	0.2+	0.6+	940925 360	0.5-	0.4+
940830 595	0.7+	0.9+	940904 557	0.9+	0.4+	940927 608	0.2+	0.1+
940831 657	0.7+	1.3+	940904 411	0.5+	0.3+	940927 608	0.9-	1.0+
940831 657	1.2+	0.9-	940904 411	0.1+	0.4-	940929 608	0.6+	0.4-
940831 657	1.8+	0.5+	940904 411	0.0	0.8-	940929 608	0.3-	1.3+
940831 596	0.5+	0.0	940904 413	(0.4+	2.5+)	941002 360	0.6+	0.4+
940831 596	0.4-	0.1-	940904 587	0.0	0.2-	941002 360	0.3+	0.2+
940831 596	0.6+	0.5+	940904 589	0.4-	0.3+	941026 608	0.9+	0.7-
940831 596	0.2-	0.7-	940904 589	0.1+	0.4+	941026 608	(0.8+	2.8+)
940901 675	0.5-	0.6-	940904 589	0.5-	0.2+	941111 413	0.2-	0.2-
940901 675	1.9-	0.4+	940904 589	0.4+	1.0+	941111 413	0.0	0.7+
940901 658	0.9-	0.6-	940904 589	0.9-	0.3+	970117 599	0.2-	0.9+
940901 658	0.8-	0.5-	940906 596	1.5-	0.5+	970117 599	0.9-	0.2+
940901 658	0.9-	0.7-	940906 596	0.2+	0.1-	970117 599	0.1+	0.9-
940901 360	0.0	0.3-	940906 596	(3.0+	2.0-)	970118 599	0.5+	0.9+
940901 360	0.1+	0.2-	940906 111	0.6-	1.1-	970118 599	0.5+	0.5-
940901 360	0.0	0.1-	940906 111	0.3+	0.6-			
940902 801	0.8-	0.7-	940908 360	0.3-	0.1+			

1994 SH₃ = 1997 AC₂₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	157.87008		(2000.0)	P	Q
<i>n</i>	0.16153333	ω	111.96762	+0.78650934	+0.61748759
<i>a</i>	3.3390887	Ω	209.90255	-0.57416464	+0.72479754
<i>e</i>	0.1427630	<i>i</i>	1.21713	-0.22745994	+0.30557750
<i>P</i>	6.10	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

940914 691	0.1-	0.1+	940929 691	0.1+	0.2-	970110 691	0.4+	0.0
940914 691	0.0	0.2+	940929 691	0.0	0.0	970110 691	0.3+	0.1+
940914 691	0.4-	0.2+	940929 691	0.0	0.1-	970110 691	0.7+	0.2-
940928 691	0.0	0.3+	970102 691	0.3-	0.1-	970117 691	0.3-	0.0
940928 691	0.3+	0.1-	970102 691	0.0	0.1-	970117 691	0.4-	0.0
940928 691	0.0	0.4-	970102 691	0.3-	0.1+	970117 691	0.1-	0.2+

1994 SH₁₁ = 1993 HF₈ = 1996 GN₂₁

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	354.88824		(2000.0)	P	Q
<i>n</i>	0.27689508	ω	202.59195	-0.71934851	+0.69336710
<i>a</i>	2.3312699	Ω	21.48452	-0.61843176	-0.61158049
<i>e</i>	0.0587417	<i>i</i>	6.61444	-0.31635402	-0.38106610
<i>P</i>	3.56	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

930419 675	0.2+	0.9+	941006 691	0.1-	0.3+	941026 691	0.3-	0.2+
930419 675	0.5+	0.7+	941006 691	0.2+	0.0	941026 691	0.2-	0.0
940929 691	0.1-	0.3+	941012 691	0.1-	0.4+	960409 327	0.0	0.7+
940929 691	0.0	0.3+	941012 691	0.0	0.2+	960409 327	0.6+	0.2+
940929 691	0.0	0.3+	941012 691	0.2-	0.0	960409 327	0.0	0.8+
941006 691	0.4-	0.5+	941026 691	0.1-	0.0			

1994 VR₁ = 1992 CG₈ = 1993 JO₁

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	246.84401		(2000.0)	P	Q
<i>n</i>	0.29889285	ω	82.43424	+0.90615326	-0.42215226
<i>a</i>	2.2154351	Ω	302.53298	+0.37489690	+0.83009961
<i>e</i>	0.1025985	<i>i</i>	1.76429	+0.19580243	+0.36431046
<i>P</i>	3.30	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

920204 675	0.7-	0.3+	941108 411	0.6+	1.1-	941129 411	0.6-	1.0+
920204 675	0.5+	1.3-	941110 411	0.3-	0.9-	941130 411	0.9+	0.1-
930514 809	0.4+	0.6+	941110 411	0.2+	0.0	941130 411	0.0	0.3+
930514 809	0.1-	0.3+	941115 411	0.1+	0.8+	941226 413	0.9+	1.6+
930514 809	0.2-	0.0	941115 411	0.0	1.4+	941226 413	0.7-	0.6-
941103 411	0.8+	1.9-	941127 675	1.0-	1.3+	941227 413	(2.8+	0.7+)
941103 411	0.2+	1.6-	941127 675	1.6-	0.8+	941227 413	(2.6-	0.5-)
941108 411	0.7+	0.5-	941129 411	0.6-	0.4+			

1994 WG₂

Id. E. Bowell (1989, 1991 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	134.05472		(2000.0)	P	Q
<i>n</i>	0.21934876	ω	295.85866	-0.04676095	-0.99808422
<i>a</i>	2.7229893	Ω	156.71410	+0.94924753	-0.05702830
<i>e</i>	0.0716274	<i>i</i>	5.88208	+0.31103462	+0.02399285
<i>P</i>	4.49	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

890930 675	0.3-	0.9+	941006 033	1.2-	1.2-	941128 399	0.4-	0.4-
890930 675	0.3-	1.2+	941028 033	0.2-	0.2+	941129 399	0.7+	0.7-
910118 675	0.1+	1.5+	941028 033	0.5-	0.2-	941129 399	0.6+	0.5-
910118 675	(2.7+	6.8-)	941101 033	0.3-	0.3-	941209 399	1.2+	0.5+
941005 033	0.4-	0.6-	941102 033	0.2-	0.5-	941209 399	0.2+	1.1+
941005 033	1.2-	1.0-	941128 399	1.2+	1.1+			

1994 XE₆ = 1987 VL₁ = 1989 EJ₁₂ = 1992 CH₈

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	236.48203		(2000.0)	P	Q
<i>n</i>	0.28298744	ω	60.62864	+0.99237060	-0.10259785
<i>a</i>	2.2976891	Ω	305.17923	+0.06223266	+0.89554474
<i>e</i>	0.1629453	<i>i</i>	4.79819	+0.10643161	+0.43298188
<i>P</i>	3.48	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

871112 327	0.5+	0.7-	920204 675	0.0	0.3+	941130 675	0.0	0.5-
871112 327	0.9-	0.7-	920204 675	0.1+	0.2+	941130 675	0.4+	0.2-
871126 675	0.8+	0.1-	941001 675	0.5-	0.7+	941202 675	0.7-	1.0+

M.P.C. 28855

871126	675	0.2+	0.2+	941001	675	0.4−	0.5+	941202	675	0.1−	0.9+
890307	675	0.1−	0.5+	941106	675	0.4+	0.5−				
890307	675	0.2−	1.1−	941106	675	0.5+	0.5−				

1994 YC₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5								Williams			
<i>M</i>	185.23540			(2000.0)				P		Q	
<i>n</i>	0.22765973	ω	119.69549		+0.83577259	−0.51333134					
<i>a</i>	2.6563088	Ω	271.82703		+0.41183295	+0.82079176					
<i>e</i>	0.1832808	<i>i</i>	11.24304		+0.36314983	+0.25058298					
<i>P</i>	4.33	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	5				

From 10 observations 1994 Nov. 27–1995 Mar. 7, mean residual 0^u.64.

1995 BQ = 1996 FF₂₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5								Marsden			
<i>M</i>	148.72378			(2000.0)				P		Q	
<i>n</i>	0.17568053	ω	311.03413		+0.18070634	−0.98338852					
<i>a</i>	3.1573323	Ω	128.54675		+0.90880924	+0.16030581					
<i>e</i>	0.2432707	<i>i</i>	1.25245		+0.37604651	+0.08514141					
<i>P</i>	5.61	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	6				

Residuals in seconds of arc

950123	411	0.4−	0.6+	950130	411	0.0	0.2+	950210	411	0.2+	0.0
950123	411	1.0+	0.6−	950203	399	1.4−	0.1+	950219	411	0.5+	1.5+
950125	411	0.3−	0.6−	950203	399	0.7−	0.7−	950219	411	0.2+	1.3+
950125	411	1.1+	0.6−	950206	399	0.9+	0.8−	960324	809	1.9−	0.9+
950128	399	0.5−	2.1+	950206	399	0.9+	1.9−	960324	809	0.8−	1.5+
950128	399	1.1−	1.7+	950207	411	0.7−	0.6−	960324	809	1.0+	0.4−
950129	411	0.1+	1.2−	950208	411	0.4+	0.5−	960327	809	1.6+	1.0−
950129	411	0.5+	0.1+	950208	411	1.2−	1.3−	960327	809	0.6+	0.5−
950130	411	0.4+	0.3+	950210	411	0.2+	0.8+	960327	809	0.6−	0.6−

1995 BQ₃

Id. E. Bowell (1989, 1993 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5								Williams			
<i>M</i>	223.08018			(2000.0)				P		Q	
<i>n</i>	0.22958925	ω	256.23853		+0.67798246	−0.73065684					
<i>a</i>	2.6414051	Ω	150.57058		+0.72172717	+0.64088746					
<i>e</i>	0.1938821	<i>i</i>	9.42960		+0.13946209	+0.23538022					
<i>P</i>	4.29	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	3				

Residuals in seconds of arc

891122	675	0.0	0.3+	950201	411	0.1+	0.2−	950219	411	0.2+	0.7−
891122	675	0.0	0.3−	950201	411	0.3+	1.2+	950219	411	0.2+	0.1−
930813	675	0.3+	0.2+	950206	411	0.1−	0.5+	950227	411	0.8−	0.3+
930813	675	0.4−	0.0	950206	411	0.3−	0.2−	950227	411	0.7+	0.2+
950131	411	0.0	0.5−	950210	411	0.5−	0.8−	950301	411	0.5−	1.0+
950131	411	0.7+	0.1−	950210	411	0.0	0.3−				

1995 DE = 1988 QQ₁ = 1992 OV₁₀

Id. E. Bowell, G. V. Williams

1997 JAN. 23

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5								Williams			
<i>M</i>	351.62690			(2000.0)				P		Q	
<i>n</i>	0.23717807	ω	173.97220		+0.82442954	+0.55094423					
<i>a</i>	2.5847568	Ω	151.36932		−0.52990010	+0.83179705					
<i>e</i>	0.1316267	<i>i</i>	15.68289		−0.19880097	+0.06763228					
<i>P</i>	4.16	<i>H</i>	12.0	<i>G</i>	0.15	<i>U</i>	4				

Residuals in seconds of arc

880816	675	0.1−	0.8−	950221	411	0.1−	0.5+	950311	411	0.4−	0.2−
880816	675	0.1+	0.1−	950221	411	0.2+	0.3−	950311	411	0.2+	0.8+
920726	675	0.5−	0.1−	950227	411	0.7+	0.4−	950320	411	0.8+	0.0
920726	675	0.5+	0.5+	950227	411	0.9−	0.5−	950320	411	0.0	0.0
950220	411	0.4−	0.5+	950305	411	0.6−	0.3+				
950220	411	0.2+	1.1−	950305	411	0.2+	0.3−				

1995 OF₁ = 1987 BJ₁ = 1989 WS₇

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5								Williams			
<i>M</i>	337.99637			(2000.0)				P		Q	
<i>n</i>	0.29629661	ω	152.06690		−0.69230631	−0.72152967					
<i>a</i>	2.2283578	Ω	341.73971		+0.65575742	−0.62308851					
<i>e</i>	0.0966279	<i>i</i>	1.89113		+0.30115474	−0.30191994					
<i>P</i>	3.33	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	2				

Residuals in seconds of arc

870127	033	0.1−	0.2+	950804	557	0.2−	0.2−	950917	557	0.7+	0.3+
870128	033	0.3+	0.2+	950804	557	0.3+	0.4−	950917	557	0.6+	0.2+
891128	675	0.2−	0.0	950804	557	0.7−	0.3+	950917	557	0.6+	0.5+
891128	675	0.2+	0.2−	950804	557	0.2+	0.0	951021	557	0.2+	0.3+
950731	557	1.2+	0.0	950804	557	0.4+	0.6−	951021	557	0.8−	0.1+
950731	557	0.1+	0.5−	950820	557	0.8−	0.8+	951021	557	0.2−	0.2−
950731	557	0.1+	0.7−	950820	557	0.4−	0.2−	970114	557	0.1−	0.2−
950802	557	0.1−	0.1−	950820	557	0.4−	0.1−	970114	557	0.1−	0.4−
950802	557	0.2−	0.5−	950903	557	0.0	0.4+	970114	557	0.2−	0.1−
950804	557	0.4−	0.4−	950903	557	0.1+	0.5+				

1995 OX₁ = 1981 UY₂₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5								Urata			
<i>M</i>	121.43255			(2000.0)				P		Q	
<i>n</i>	0.27485918	ω	249.86004		+0.76090968	+0.64131700					
<i>a</i>	2.3427676	Ω	70.11637		−0.54924838	+0.71754734					
<i>e</i>	0.2206547	<i>i</i>	6.02074		−0.34546009	+0.27173209					
<i>P</i>	3.59	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	3				

Residuals in seconds of arc

811028	095	0.4+	0.8−	950801	905	1.6+	0.2+	951021	385	0.2+	0.5+
950726	905	0.3+	0.1+	950818	905	2.2+	1.0−	970109	385	0.1+	0.3+
950726	905	0.5−	0.0	950825	905	2.6−	0.3+	970109	385	0.4+	0.7+
950730	905	0.2+	0.1+	950825	905	1.7−	0.9+	970113	385	0.4−	1.0+
950730	905	0.5−	0.1+	951021	385	0.5−	0.1+				
950801	905	0.2−	0.2+	951021	385	1.2+	0.3+				

1995 PV

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

<i>M</i>	142.41023		(2000.0)	P	Q
<i>n</i>	0.28533030	ω	322.14987	+0.57799515	+0.81507550
<i>a</i>	2.2850942	Ω	343.04311	-0.71157969	+0.47961498
<i>e</i>	0.1738019	<i>i</i>	7.81708	-0.39946959	+0.32499447
<i>P</i>	3.45	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

950802 905	0.3-	0.0	951023 801	0.0	0.3+	961227 118	0.1-	0.2-
950802 905	0.2+	0.6+	951023 801	0.1-	0.1-	961227 118	0.2-	0.1-
950816 905	0.6-	0.2-	951027 801	0.4-	0.5+	961229 118	0.2+	0.1-
950816 905	0.1+	0.6-	951027 801	0.6-	0.2+	961229 118	0.2-	0.1-
950820 905	0.7+	0.4-	951117 801	0.9+	0.4+	970109 385	0.4-	0.0
950820 905	0.9+	0.2+	951117 801	0.2+	0.2+	970109 385	0.2-	0.1-
950901 905	0.5-	0.2-	951122 801	0.2+	0.8-	970111 905	0.8+	0.3-
950901 905	0.1-	0.6+	951122 801	0.7-	0.1-	970111 905	0.1-	0.7-
950918 905	0.0	0.1-	961227 118	0.1-	0.0	970113 385	0.3-	0.5+
950918 905	0.0	0.4-	961227 118	0.1+	0.2+	970113 385	0.3+	0.4+

1995 QK = 1988 RL₁₄ = 1991 KA₃

Id. G. V. Williams, E. Bowell

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	102.35886		(2000.0)	P	Q
<i>n</i>	0.27974494	ω	132.70228	+0.99669535	-0.06761772
<i>a</i>	2.3154099	Ω	231.22555	+0.04667362	+0.93025286
<i>e</i>	0.1712846	<i>i</i>	3.30999	+0.06648277	+0.36063481
<i>P</i>	3.52	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

880910 675	0.9+	0.8-	950820 966	0.4+	0.4+	950919 966	0.4+	0.4+
880910 675	0.3-	0.8-	950820 966	(3.6-	1.4-)	950920 966	0.7-	0.6-
910518 809	0.1+	0.2-	950820 966	0.8-	0.1+	950920 966	0.4+	0.3-
910518 809	0.8-	0.2+	950902 966	0.3-	0.4+	950920 966	0.4+	0.3+
910518 809	0.7+	0.4-	950902 966	0.0	0.0			
950819 966	0.3-	0.2+	950919 966	0.0	0.6+			

1995 QJ₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	64.33528		(2000.0)	P	Q
<i>n</i>	0.19566708	ω	183.93003	+0.97724230	-0.20943088
<i>a</i>	2.9384899	Ω	188.38980	+0.20037726	+0.96353709
<i>e</i>	0.0714771	<i>i</i>	13.35716	+0.06961637	+0.16653821
<i>P</i>	5.04	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

950831 608	0.9+	0.7+	950914 608	1.1-	0.8-	951216 608	0.6-	0.2-
950831 608	0.8+	0.4+	950914 608	0.4-	0.1-	951216 608	0.5-	0.0
950901 608	0.5-	0.3-	950915 608	0.0	0.3-	970110 608	0.4+	0.0
950901 608	0.4+	0.4-	950915 608	0.0	0.0	970110 608	0.2+	0.1-
950901 608	0.4+	0.0	951215 608	0.4+	0.8+	970111 608	0.3-	0.2-
950901 608	0.7-	0.4-	951215 608	1.1+	1.1+	970111 608	0.3-	0.1-

1995 RC

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	109.72666		(2000.0)	P	Q
<i>n</i>	0.30008093	ω	58.74494	+0.85903859	-0.50988749
<i>a</i>	2.2095837	Ω	331.83557	+0.43079450	+0.76804083
<i>e</i>	0.1671473	<i>i</i>	5.52799	+0.27652991	+0.38746357
<i>P</i>	3.28	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

950907 118	0.2-	0.3-	951019 118	0.8+	0.3-	960203 327	1.2+	0.2+
950907 118	0.3-	0.1+	951022 118	0.1-	0.3+	960204 327	1.6-	0.9+
950909 118	0.0	0.3-	951027 118	0.2+	0.3-	960204 327	0.5-	0.1+
950910 118	0.2-	0.3+	951228 118	0.1-	0.4+	960204 327	0.1-	0.4-
950910 118	0.5+	0.7+	960113 118	0.1+	0.3-	960227 118	0.9-	1.2-
950910 118	0.6+	0.0	960114 118	0.1+	0.5+	961228 118	0.4+	0.7+
950914 118	0.4-	0.0	960116 118	0.2+	0.4+	961228 118	0.3-	0.2-
950917 118	0.0	0.1-	960116 118	0.2+	0.5+	961229 118	0.7+	0.8-
950917 118	0.1-	0.2-	960121 118	0.3+	0.3+	961229 118	0.3-	0.3+
950919 118	0.1+	0.1-	960121 118	0.5+	0.3+	970108 118	0.9-	1.3-
950924 118	0.0	0.0	960130 118	(0.5-	4.0+)	970112 118	0.4-	0.2-
951011 118	0.3-	0.1-	960130 118	(1.5-	3.5+)	970112 118	0.5+	0.5+
951014 118	0.5-	0.5-	960203 327	0.3+	0.6-			
951018 118	0.2-	0.2-	960203 327	0.4+	0.0			

1995 RK

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	146.57350		(2000.0)	P	Q
<i>n</i>	0.26952751	ω	58.88289	+0.60989082	+0.78798203
<i>a</i>	2.3735624	Ω	248.93563	-0.75440244	+0.54467876
<i>e</i>	0.1128933	<i>i</i>	5.18700	-0.24271412	+0.28707033
<i>P</i>	3.66	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

950915 587	0.3-	0.5-	950930 587	0.0	0.4-	951220 704	0.3+	1.3+
950915 587	0.9+	0.9+	951011 587	0.3-	0.4-	951220 704	0.4+	0.5-
950917 587	0.6-	0.6+	951011 587	1.7-	0.2-	951220 704	1.1-	0.7-
950917 587	0.3-	0.0	951016 587	1.2-	1.3-	951222 704	(3.6-	1.0-)
950921 587	0.6+	0.5-	951016 587	0.7-	0.2-	951222 704	(1.8-	3.3-)
950921 587	0.1+	0.7-	951027 704	0.7+	0.8+	970110 587	0.5-	0.1+
950922 587	0.1-	0.4-	951027 704	1.1+	1.2+	970110 587	0.2+	0.2+
950922 587	0.5+	0.8+	951028 704	0.6+	0.6+	970111 587	0.2+	0.7-
950929 587	0.5+	0.5-	951028 704	0.6+	0.4+	970111 587	0.1+	0.1+

1995 SL

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	76.06783		(2000.0)	P	Q
<i>n</i>	0.25622167	ω	87.50232	+0.74904711	-0.65858533
<i>a</i>	2.4550413	Ω	313.67781	+0.56134620	+0.68867197
<i>e</i>	0.1263844	<i>i</i>	5.71883	+0.35187906	+0.30330889
<i>P</i>	3.85	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

950917 557	1.3-	1.1-	950925 557	0.3+	0.1-	960122 557	0.1-	0.2-
950917 557	0.7-	1.1-	950925 557	0.3+	0.2-	960122 557	0.3+	0.4+
950917 557	0.3-	0.4+	950925 557	0.1+	0.1-	960122 557	0.5-	0.0
950917 557	0.5-	0.6+	951021 557	0.3+	0.0	961121 557	0.7+	0.2-

950917 557	0.1+	0.0	951021 557	0.3+	0.1-	961121 557	0.5-	0.3+
950917 557	0.1+	0.1+	951026 557	0.3+	0.1+	961121 557	1.3-	0.5+
950918 557	0.1+	0.2-	951118 557	0.7+	0.3+	970114 557	0.2+	0.3-
950918 557	0.1+	0.1+	951118 557	0.0	1.1+	970114 557	0.2+	0.4-
950918 557	0.1+	0.0	951118 557	0.6+	0.2+	970114 557	0.2+	0.3-

1995 ST = 1997 AR₁₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

			Williams					
<i>M</i>	236.76223		(2000.0)	P		Q		
<i>n</i>	0.28365403	ω	260.71104	-0.49331405		+0.86870804		
<i>a</i>	2.2940880	Ω	339.54455	-0.73959177		-0.44586775		
<i>e</i>	0.0802928	<i>i</i>	7.32908	-0.45787036		-0.21575051		
<i>P</i>	3.47	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

950822 691	0.4-	0.1-	950920 966	0.4+	0.1+	951027 966	0.2-	0.2-
950822 691	0.3-	0.3-	950920 966	0.7+	0.1+	951028 966	1.8-	0.7-
950822 691	0.4-	0.3-	950920 966	0.3+	0.1+	970113 966	0.0	0.3-
950828 691	0.5-	0.1-	950924 966	0.1+	0.3+	970113 966	0.6-	0.8+
950828 691	0.5-	0.1-	950925 966	0.3+	0.6+	970114 966	0.4+	0.1-
950919 966	0.1+	0.2+	950928 966	0.2-	0.3-	970115 966	0.2-	0.3-
950920 966	0.8+	0.2+	950928 966	1.1+	0.2+	970115 966	0.3+	0.0

1995 SU = 1983 CO₅ = 1991 PM₂₇ = 1997 AS₁₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

			Williams					
<i>M</i>	244.75111		(2000.0)	P		Q		
<i>n</i>	0.27900780	ω	273.02342	-0.62102277		+0.78160460		
<i>a</i>	2.3194863	Ω	318.39683	-0.67955490		-0.57413499		
<i>e</i>	0.0832859	<i>i</i>	5.05670	-0.39055840		-0.24385090		
<i>P</i>	3.53	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	2	

Residuals in seconds of arc

830214 381	0.2+	0.5+	950921 966	0.5+	0.5-	951027 966	0.0	0.8-
910805 809	1.2+	1.3-	950924 966	0.5+	0.9-	951027 966	0.2+	0.9-
910805 809	0.3-	1.5-	950925 966	1.7+	0.9+	970113 966	0.3-	0.6-
910805 809	0.4+	0.7-	950925 966	0.2+	0.2-	970114 966	0.8+	1.5-
950919 966	0.0	0.1+	950927 966	1.7-	1.3+	970114 966	0.5+	0.7-
950920 966	0.9+	0.1+	950928 966	2.0-	0.8+	970114 966	1.9-	0.4-
950920 966	0.1-	0.0	950928 966	0.5-	0.5+	970114 966	0.6-	0.7-

1995 SP₁ = 1979 YJ₁ = 1997 AW₁₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

			Williams					
<i>M</i>	25.75207		(2000.0)	P		Q		
<i>n</i>	0.17767406	ω	117.91385	+0.24857586		-0.91643193		
<i>a</i>	3.1336708	Ω	313.90289	+0.66261140		+0.39706042		
<i>e</i>	0.2040147	<i>i</i>	25.80327	+0.70650985		-0.04995530		
<i>P</i>	5.55	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	2	

Residuals in seconds of arc

791218 095	0.0	0.0	950930 816	0.2+	0.1+	970107 411	0.8+	0.5-
950921 693	0.8-	0.4-	951005 608	0.6+	0.4-	970109 691	0.3-	0.1+
950921 693	1.6-	0.2-	951005 608	0.6+	0.1-	970109 691	0.3-	0.1+
950924 693	0.1+	0.4+	951006 608	0.9+	0.2-	970109 691	0.4-	0.1+
950924 693	0.6-	0.0	951006 608	0.6+	0.2-	970110 691	0.2-	0.1+
950930 816	0.1+	0.0	951121 608	0.2-	0.5+	970110 691	0.2-	0.0
950930 816	0.1+	0.1-	951121 608	0.2-	0.6+	970110 691	0.2-	0.0
950930 816	0.1+	0.2+	970107 411	0.7+	0.0			

1995 SL₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

			Marsden					
<i>M</i>	154.78937		(2000.0)	P		Q		
<i>n</i>	0.26066628	ω	52.66149	+0.52083463		+0.85359916		
<i>a</i>	2.4270542	Ω	248.72962	-0.78656631		+0.47532113		
<i>e</i>	0.1802724	<i>i</i>	0.61413	-0.33172989		+0.21316262		
<i>P</i>	3.78	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

950928 046	0.4+	0.1+	951003 046	0.0	0.4-	951028 046	0.4-	0.3+
950928 046	0.0	0.3+	951004 046	0.1-	0.1-	951126 046	0.5+	0.4-
950928 046	0.8+	0.2-	951004 046	0.1-	0.1+	951126 046	0.4+	0.3-
950928 046	0.0	0.0	951004 046	0.2-	0.5-	951126 046	0.4+	0.2-
950928 046	0.5+	0.5-	951005 046	0.4+	1.3+	951217 046	0.3-	0.6+
950928 046	0.1+	0.0	951005 046	0.3-	0.1-	951217 046	0.3-	0.2-
950929 046	1.0-	0.1+	951005 046	0.1+	0.1-	951217 046	0.1-	0.4-
950929 046	0.4+	0.7+	951012 046	0.9-	0.1-	970116 046	0.1+	0.4-
950929 046	0.1-	0.3-	951012 046	0.1-	0.7-	970116 046	0.1-	0.5-
950929 046	0.7+	0.7+	951012 046	0.6-	0.2-	970116 046	1.0+	0.3-
951002 046	0.6-	0.6-	951022 046	0.3+	0.7+	970117 046	0.1+	0.1-
951002 046	0.3-	0.3-	951022 046	0.3+	0.6+	970117 046	0.3-	0.4+
951002 046	0.7+	0.7-	951022 046	0.1-	1.0+	970117 046	0.8-	0.9+
951003 046	0.1+	0.3+	951028 046	0.0	0.0			
951003 046	0.6-	0.7-	951028 046	0.1+	0.2+			

1995 SN₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

			Williams					
<i>M</i>	186.57310		(2000.0)	P		Q		
<i>n</i>	0.28560549	ω	314.87819	+0.37298720		+0.92727846		
<i>a</i>	2.2836262	Ω	336.96380	-0.82641733		+0.31625278		
<i>e</i>	0.1706016	<i>i</i>	4.71634	-0.42179965		+0.20034681		
<i>P</i>	3.45	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4	

Residuals in seconds of arc

950929 046	0.3+	0.2+	951005 046	0.3-	0.1-	951126 046	0.7+	0.6+
950929 046	0.0	0.9+	951005 046	0.4-	0.1-	951126 046	0.0	0.3-
950929 046	0.1+	0.3+	951005 046	0.2-	0.1-	951217 046	0.6-	0.4+
950929 046	0.0	0.3+	951012 046	0.2+	0.2-	951217 046	0.0	0.2-
950929 046	0.2+	0.5+	951012 046	0.3+	0.0	951217 046	0.0	0.0
950929 046	0.6+	0.3-	951012 046	0.9+	0.1+	970108 046	0.4+	0.5+
950929 046	0.0	0.3+	951012 046	0.0	0.1-	970108 046	0.2+	0.3+
950929 046	0.2+	0.2+	951012 046	0.3+	0.1+	970108 046	0.2+	0.1+
950929 046	0.0	0.1+	951012 046	0.4+	0.0	970113 046	0.1+	0.1+
950929 046	1.2+	0.8-	951021 046	0.7-	0.7+	970113 046	0.2+	0.3-
951003 046	1.8-	0.0	951022 046	0.3-	0.5+	970113 046	0.3+	0.0
951003 046	1.9-	0.6-	951022 046	0.0	0.5+	970115 566	0.7-	0.3-
951003 046	1.0-	0.7-	951110 046	0.1-	0.9-	970115 566	0.2-	0.1-
951005 046	0.4+	0.0	951110 046	0.0	0.8-	970115 566	0.4-	0.3-
951005 046	0.5+	0.0	951110 046	0.3-	0.4-			
951005 046	0.6+	0.1-	951126 046	0.8+	0.2+			

1995 SU₃ = 1981 JK₁ = 1981 LB = 1997 AJ₁₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	177.77327	ω	316.99209	+0.29298869	+0.95436187		
<i>a</i>	2.2489733	Ω	329.90788	-0.84291280	+0.22924821		
<i>e</i>	0.1901501	<i>i</i>	6.62988	-0.45128221	+0.19141232		
<i>P</i>	3.37	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

810509	808	0.3+	0.6-	950921	400	2.1+	0.3-	970111	566	0.3-	0.1+
810509	808	0.8+	0.7-	950921	400	0.2+	0.0	970111	566	0.1+	0.1+
810604	805	1.4-	0.0	950930	400	0.6-	0.7-	970111	566	0.1-	0.2+
810604	805	0.3+	0.8+	950930	400	0.1-	2.2-	970114	566	0.0	0.3-
950920	400	0.8-	0.7+	951010	400	0.5-	0.8+	970114	566	0.0	0.4-
950920	400	0.5+	0.5+	951010	400	0.5-	0.5+	970114	566	0.2+	0.4-

1995 SD₅ = 1990 UK₁₂ = 1996 XW₃₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	126.25021	ω	329.23329	+0.76885559	+0.63835589		
<i>a</i>	2.9592035	Ω	350.81989	-0.52943428	+0.60316726		
<i>e</i>	0.0679510	<i>i</i>	13.37929	-0.35855324	+0.47821649		
<i>P</i>	5.09	<i>H</i>	12.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

901023	095	0.9-	1.2+	951010	400	1.3+	0.3-	961216	327	0.4+	0.2-
950920	400	0.1-	0.2+	961212	327	0.5-	0.0	961218	327	0.1-	0.2+
950920	400	0.0	0.3+	961212	327	0.4-	0.0	961218	327	0.4+	0.1+
950930	400	0.4-	0.5+	961212	327	0.2-	0.1-	961218	327	0.4-	0.1-
950930	400	0.5+	0.8+	961216	327	0.0	0.3-				
951010	400	0.4-	2.6-	961216	327	0.7+	0.3+				

1995 SM₂₁

Id. E. Bowell (1988 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	109.32530	ω	7.70520	+0.99953659	+0.02333784		
<i>a</i>	2.3016762	Ω	350.88876	-0.03002345	+0.86169335		
<i>e</i>	0.1297524	<i>i</i>	7.08935	+0.00501879	+0.50689240		
<i>P</i>	3.49	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

880816	675	0.6-	0.1+	950919	691	0.0	0.3+	960122	704	0.5+	0.6+
880911	675	1.3+	0.4+	950925	691	0.2-	0.1+	960122	704	0.6+	0.4+
880911	675	1.6+	0.4+	950925	691	0.3-	0.1+	960122	704	0.1-	0.0
880912	675	0.3-	0.5-	950925	691	0.2-	0.0	960122	704	0.5-	0.7-
880912	675	1.5-	1.5-	951001	691	0.0	0.1+	960123	704	1.2+	0.5+
950919	691	0.0	0.4+	951001	691	0.1-	0.3-	960123	704	1.6-	1.0-
950919	691	0.0	0.4+	951001	691	0.1+	0.0				

1995 SM₅₄ = 1996 YK₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	116.59531	ω	231.36837	+0.89493385	+0.44272682		
<i>a</i>	2.8620190	Ω	102.29056	-0.38967834	+0.83614137		
<i>e</i>	0.0775809	<i>i</i>	3.25949	-0.21735730	+0.32382183		
<i>P</i>	4.84	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

950921	033	0.5+	0.1-	951025	033	0.0	0.3+	961218	327	0.4-	0.0
950921	033	0.7+	0.3-	961208	327	0.2-	0.2-	961221	327	0.4+	0.3-
950923	033	1.0-	0.1-	961208	327	0.1-	0.3+	961221	327	0.0	0.6-
951023	033	0.6-	0.4+	961208	327	0.1+	0.2-	961221	327	0.6-	0.2+
951023	033	0.9-	0.7+	961218	327	0.2+	0.0	961221	327	0.6+	0.7+
951024	033	1.3+	0.8-	961218	327	0.1-	0.1+				

1995 TF

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	133.23153	ω	328.63268	+0.92695724	+0.37247385		
<i>a</i>	2.5833670	Ω	9.81560	-0.26593599	+0.73671942		
<i>e</i>	0.1034702	<i>i</i>	15.26084	-0.26462865	+0.56436490		
<i>P</i>	4.15	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

951005	046	0.0	0.1+	951012	046	0.2+	0.0	951126	046	0.5+	0.1+
951005	046	0.3-	0.2-	951012	046	0.1-	0.1-	951217	046	0.1+	0.4+
951005	046	0.0	0.0	951022	046	1.8-	0.8-	951217	046	0.2+	0.2+
951005	046	0.0	0.1-	951022	046	1.6-	0.8-	951217	046	0.4+	0.5+
951005	046	0.0	0.1+	951022	046	1.8-	1.0-	960209	046	0.6-	0.1-
951005	046	0.3+	0.2+	951022	046	0.1+	0.6+	960209	046	0.0	1.3-
951005	046	0.3+	0.2+	951022	046	0.2+	0.4+	960209	046	1.2+	0.6-
951005	046	0.6+	0.0	951022	046	0.0	0.1+	970114	046	0.1+	0.4+
951005	046	0.3+	0.1+	951110	046	0.1+	0.3+	970114	046	0.2-	0.0
951007	046	0.0	0.1+	951110	046	0.2+	0.2+	970114	046	0.1+	0.1-
951007	046	0.3+	0.3+	951110	046	0.1+	0.2+	970115	046	0.1+	0.1+
951007	046	0.3+	0.1+	951126	046	0.7+	0.1+	970115	046	0.0	0.2+
951012	046	0.2+	0.0	951126	046	0.6+	0.2+	970115	046	0.2+	0.0

1995 UL

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	134.61620	ω	329.39518	+0.83504079	+0.55017393		
<i>a</i>	2.7551887	Ω	357.21642	-0.48693189	+0.73568163		
<i>e</i>	0.0687054	<i>i</i>	4.65384	-0.25613320	+0.39507111		
<i>P</i>	4.57	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

951019	596	0.7+	0.2-	951023	596	0.4-	0.2-	970103	411	0.6+	0.6+
951019	596	0.9+	0.1-	951026	596	0.6+	0.0	970103	411	0.4-	0.4+
951020	596	0.8-	0.3+	951026	596	0.2+	0.0	970104	411	0.2-	0.5+
951020	596	0.6-	0.4+	951026	596	0.4+	0.3-	970104	411	0.2-	1.3-
951020	596	0.6-	0.7+	951115	596	0.5+	0.6+	970111	566	0.1+	0.0
951021	596	0.1+	0.0	951115	596	0.5-	0.1-	970111	566	0.0	0.1-
951021	596	0.4+	0.0	951115	596	0.2-	0.5-	970111	566	0.2+	0.2-
951021	596	0.2+	0.1-	951211	108	0.3+	0.3-	970112	566	0.4-	0.0
951023	596	0.7-	0.1-	951211	108	(4.7+	2.3+)	970112	566	0.2+	0.0
951023	596	0.4-	0.3-	951211	108	(4.5+	0.3-)	970112	566	0.1+	0.1+

1995 UP₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	352.40306		(2000.0)	P	Q
<i>n</i>	0.19042089	ω	101.81987	-0.59553585	-0.79949520
<i>a</i>	2.9922163	Ω	25.23996	+0.64674118	-0.53504409
<i>e</i>	0.0615114	<i>i</i>	10.59289	+0.47651118	-0.27301145
<i>P</i>	5.18	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

951020 411	0.4+	0.3+	951025 411	0.3+	0.3+	960111 046	0.6+	0.7+
951020 411	0.2+	0.2-	951027 411	0.7-	0.5-	960111 046	0.8-	0.6+
951024 046	0.0	0.2+	951027 411	0.6+	0.2-	960111 046	0.5+	0.3-
951024 046	0.3+	0.1+	951112 046	0.4-	0.1+	960113 046	0.2-	0.7-
951024 046	0.1-	0.2+	951112 046	0.4-	0.1-	960113 046	0.3-	0.4-
951024 046	0.2+	0.1+	951112 046	0.2-	0.1+	960113 046	0.1+	0.1+
951024 046	0.0	0.1+	951121 046	0.0	0.0	970108 046	0.1+	0.3-
951024 046	0.2-	0.1-	951121 046	0.5+	0.1+	970108 046	0.2+	0.0
951024 046	0.2-	0.1-	951121 046	0.2+	0.1+	970108 046	0.0	0.2+
951024 046	0.0	0.1-	951209 046	0.0	0.1+	970113 046	0.2-	0.1-
951024 046	0.1-	0.0	951209 046	0.0	0.1-	970113 046	0.2-	0.2+
951025 411	0.3-	0.5-	951209 046	0.2+	0.2-	970113 046	0.1+	0.1+

1995 UR₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	96.80598		(2000.0)	P	Q
<i>n</i>	0.22052770	ω	97.62047	+0.97634521	-0.20028557
<i>a</i>	2.7132758	Ω	273.95902	+0.15176053	+0.90314398
<i>e</i>	0.2636876	<i>i</i>	4.68369	+0.15400899	+0.37975866
<i>P</i>	4.47	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

951024 046	0.4-	0.5+	951111 046	0.1+	0.3-	960113 046	0.2+	0.2+
951024 046	1.0-	1.1+	951111 046	0.2+	0.9-	960113 046	0.4-	0.2-
951025 046	0.1-	0.1+	951121 046	0.6+	0.1-	960113 046	0.1-	0.1-
951025 046	0.1-	0.0	951121 046	0.5+	0.2-	970114 046	0.1-	0.2+
951025 046	0.2-	0.1+	951121 046	0.6+	0.3-	970114 046	0.1+	0.2+
951025 046	0.2-	0.1+	951209 046	0.1-	0.1-	970114 046	0.0	0.1-
951025 046	0.1-	0.1+	951209 046	0.3-	0.3-	970115 046	0.0	0.5-
951026 046	0.5+	0.0	951209 046	0.3-	0.0	970115 046	0.6-	0.5+
951026 046	0.4+	0.0	960111 046	0.2+	0.8+	970115 046	0.6+	0.4-
951026 046	0.5+	0.1-	960111 046	0.4-	0.3+			
951111 046	0.4-	0.6-	960111 046	0.3+	0.3+			

1995 UL₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

<i>M</i>	120.56067		(2000.0)	P	Q
<i>n</i>	0.16781732	ω	326.53353	+0.90028842	+0.43433423
<i>a</i>	3.2552038	Ω	7.88661	-0.33872526	+0.74069990
<i>e</i>	0.1122376	<i>i</i>	12.15375	-0.27339707	+0.51255969
<i>P</i>	5.87	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

951017 905	0.1+	0.4-	951103 385	0.7+	0.0	951212 905	1.0-	1.5+
951017 905	0.3+	0.5-	951103 385	0.7+	0.3-	960113 385	0.1-	0.0
951020 905	1.0-	0.8+	951113 905	0.1-	0.1-	960113 385	0.1-	0.8-
951020 905	0.8-	1.0-	951113 905	0.2+	0.6+	970109 385	1.1+	0.4-

951101 905	0.6-	1.3-	951121 905	0.5+	1.3+	970113 385	0.8-	0.3-
951101 905	0.7+	0.3-	951121 905	0.8+	0.8+	970113 385	0.4-	0.4+
951103 385	0.4+	0.2-	951212 905	1.2-	0.0			

1995 UP₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	133.59437		(2000.0)	P	Q
<i>n</i>	0.23992070	ω	92.03830	+0.76741409	+0.61601187
<i>a</i>	2.5650209	Ω	229.99031	-0.64066647	+0.72597858
<i>e</i>	0.1627290	<i>i</i>	13.42107	-0.02494194	+0.30575233
<i>P</i>	4.11	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

951019 104	0.6+	1.0+	951026 104	0.1-	0.3+	951209 104	0.1+	0.0
951019 104	0.5+	0.5+	951026 104	0.1+	0.4+	951209 104	0.4+	0.5+
951019 104	0.8+	0.6+	951026 104	0.0	0.1+	951219 104	0.0	0.1+
951020 104	0.5+	1.2-	951031 104	0.5-	0.5-	951219 104	0.2-	0.1+
951020 104	0.2+	0.2+	951031 104	0.5-	0.6+	951219 104	0.2-	0.1+
951020 104	0.1-	0.6-	951031 104	0.4-	0.2+	970115 104	0.1+	0.3-
951020 104	0.3-	0.2-	951118 104	1.6+	1.1+	970115 104	0.0	0.3-
951021 104	0.2+	0.4+	951118 104	0.1+	0.3-	970115 104	0.3-	0.2-
951021 104	0.1+	0.8+	951119 658	0.3-	0.1+	970116 104	0.3-	0.3+
951022 104	1.0-	1.5-	951119 658	0.5-	0.2+	970116 104	0.2-	0.3+
951022 104	0.3-	0.6-	951119 658	0.4-	0.1+	970116 104	1.3-	0.2+
951022 104	0.2-	0.0	951120 104	0.3+	0.3-	970117 104	1.0+	0.1-
951023 104	0.0	0.8-	951120 104	0.4-	0.2-	970117 104	0.6+	0.0
951023 104	(2.3-	0.3-)	951120 104	0.6-	0.4-	970117 104	0.5+	0.0
951023 104	(3.5-	0.3-)	951209 104	0.6+	0.6-			

1995 UW₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

<i>M</i>	7.25587		(2000.0)	P	Q
<i>n</i>	0.18235031	ω	59.87301	+0.00820881	-0.99728606
<i>a</i>	3.0798652	Ω	29.92400	+0.85957891	-0.03034784
<i>e</i>	0.0141190	<i>i</i>	8.43384	+0.51093710	+0.06707850
<i>P</i>	5.41	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

951020 369	0.1-	0.1+	951030 369	0.2+	0.8-	951124 369	0.2+	0.5+
951020 369	0.0	0.3+	951030 369	0.2+	0.3-	951124 369	0.1+	0.8+
951020 369	0.9+	0.1+	951030 369	0.2+	0.9-	951124 369	0.0	0.1+
951021 369	0.5-	0.0	951111 369	1.2+	0.5-	970103 369	0.2+	0.1+
951021 369	0.4+	0.6+	951111 369	1.9+	0.0	970103 369	0.0	0.3+
951021 369	0.1-	0.3+	951111 369	1.9-	1.2-	970109 369	0.4-	0.5+
951027 369	(3.1-	0.0)	951117 887	0.7-	0.1-	970109 369	0.3-	0.5-
951027 369	1.0-	0.3+	951117 887	0.0	0.1+	970115 369	0.6+	1.3-
951027 369	0.7-	0.8+	951117 887	0.2-	0.2-	970115 369	0.1-	1.0+

1995 UG₈ = 1980 TM₁₀

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	152.71922		(2000.0)	P	Q
<i>n</i>	0.20199924	ω	4.55626	+0.78681279	+0.61705308
<i>a</i>	2.8767551	Ω	317.33332	-0.56687050	+0.71411702
<i>e</i>	0.0603570	<i>i</i>	1.10598	-0.24409725	+0.33057885
<i>P</i>	4.88	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 6

M.P.C. 28860

1997 JAN. 23

Residuals in seconds of arc

801015 095	1.1+	2.5-	951103 411	0.5+	0.5+	970106 411	0.4-	0.4-
951027 411	0.7+	0.5+	951103 411	0.9+	0.2+	970107 411	0.2-	0.1+
951027 411	0.9-	0.1+	951111 411	0.0	0.7+	970107 411	0.7+	0.4-
951101 411	0.5-	0.6+	951111 411	0.5-	0.5-			
951101 411	0.8-	0.3+	970106 411	0.6-	0.8-			

1995 UM₈

Id. E. Bowell (1988 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>		(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.30047329	ω	53.09265	+0.09149252	-0.99482690
<i>a</i>	2.2076597	Ω	31.74322	+0.88487148	+0.06088743
<i>e</i>	0.0794665	<i>i</i>	4.81294	+0.45676206	+0.08131515
<i>P</i>	3.28	<i>H</i>	15.0	<i>G</i>	0.15

Residuals in seconds of arc

880816 675	0.3+	0.2+	951027 411	0.5+	0.4+	951111 411	0.4-	0.4-
880816 675	0.4-	0.1+	951101 411	0.1+	0.6+	951111 411	0.0	0.1-
880911 675	0.6+	0.6+	951101 411	0.2-	0.1-	951118 411	0.0	0.6+
880911 675	0.4-	1.0-	951103 411	0.1+	0.0	951118 411	0.7+	0.5-
951027 411	0.2-	0.5-	951103 411	0.6-	0.2+			

1995 UW₈ = 1986 XG₁ = 1988 FT₃ = 1994 NZ₁₂

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>		(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.21645659	ω	12.89650	+0.19303919	-0.95672579
<i>a</i>	2.7471909	Ω	66.31538	+0.87779836	+0.06923573
<i>e</i>	0.0974079	<i>i</i>	13.75492	+0.43841294	+0.28263437
<i>P</i>	4.55	<i>H</i>	12.5	<i>G</i>	0.15

Residuals in seconds of arc

861204 688	1.0+	1.3-	951102 400	1.2+	0.4-	951214 399	2.2-	0.8-
861204 688	0.4+	1.2-	951102 400	0.0	0.9-	951214 399	0.7-	1.7+
880318 675	0.2+	0.6-	951112 400	1.7+	0.9+	960122 327	1.4+	0.2-
880318 675	0.1+	1.8+	951112 400	0.7+	0.3+	960122 327	1.8+	0.9+
940712 675	0.2-	0.6-	951115 400	0.1+	0.1-	960122 327	1.9+	0.1-
940712 675	0.8+	0.6+	951115 400	0.1-	0.0	960123 327	0.8+	0.4+
951027 399	0.3-	0.3+	951116 399	1.7-	1.5+	960123 327	0.2+	0.8+
951027 399	1.4-	0.6-	951116 399	1.0-	0.1-	960123 327	0.7+	0.6+
951028 399	0.5+	0.4+	951117 399	0.4-	0.8+	960126 327	1.3+	0.0
951028 399	1.0-	2.3+	951117 399	1.5-	0.2-	960126 327	1.1+	0.5+
951028 400	1.1-	1.5-	951121 399	(3.5-	2.9+)	960126 327	0.9+	0.2+
951028 400	1.3+	1.0-	951121 399	(2.4-	1.0+)	960218 801	0.2-	0.1+
951030 400	(2.6+	0.5+)	951125 399	1.9-	0.1+	960218 801	0.1-	0.5-
951030 400	0.0	1.3-	951125 399	1.4-	0.5-			

1995 UB₄₅

Id. E. Bowell (1988, 1994 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>		(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.29670170	ω	111.64389	+0.93406260	-0.35351445
<i>a</i>	2.2263291	Ω	269.08741	+0.30610338	+0.86548525
<i>e</i>	0.1506689	<i>i</i>	2.89750	+0.18392330	+0.35491242
<i>P</i>	3.32	<i>H</i>	14.0	<i>G</i>	0.15

Residuals in seconds of arc

880816 675	1.2-	0.3+	951028 400	0.5+	0.1+	951112 400	0.7-	0.2-
880816 675	1.1+	0.2-	951028 400	1.3+	0.2+	951115 400	0.1+	0.3+
940510 675	0.1-	0.7+	951030 400	0.8-	0.2-	951115 400	0.4+	0.0
940510 675	0.1+	0.8+	951030 400	0.2+	0.0			
940608 675	0.1+	1.0-	951112 400	1.0-	0.2+			

1995 VR₁₂ = 1997 AO₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Williams			
<i>M</i>		(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.19951244	ω	250.15130	+0.88656626	-0.46123838
<i>a</i>	2.9006104	Ω	137.29537	+0.44159725	+0.82096397
<i>e</i>	0.0926469	<i>i</i>	2.99942	+0.13781198	+0.33656695
<i>P</i>	4.94	<i>H</i>	16.0	<i>G</i>	0.15

Residuals in seconds of arc

951115 691	0.0	0.1+	951127 691	0.2-	0.0	970110 691	0.2+	0.0
951115 691	0.1+	0.1-	951127 691	0.2+	0.1+	970110 691	0.1+	0.1-
951115 691	0.0	0.1-	951127 691	0.1-	0.0	970110 691	0.2+	0.0
951120 691	0.2+	0.0	970102 691	0.2-	0.5+	970111 691	0.2-	0.3-
951120 691	0.2-	0.0	970102 691	0.2+	0.1+	970111 691	0.4-	0.3-
951120 691	0.0	0.1+	970102 691	0.1+	0.3+	970111 691	0.1-	0.1-

1995 WE₁

Id. A. Nakamura (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Nakano			
<i>M</i>		(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.18238172	ω	180.11383	-0.45740976	+0.88643480
<i>a</i>	3.0795116	Ω	62.66644	-0.81581349	-0.38662812
<i>e</i>	0.1227372	<i>i</i>	4.56987	-0.35387097	-0.25446422
<i>P</i>	5.40	<i>H</i>	13.3	<i>G</i>	0.15

Residuals in seconds of arc

951116 360	0.1-	0.0	951121 360	0.0	0.5-	960111 360	0.2-	0.2+
951116 360	0.0	0.2+	951121 360	0.2+	0.3-	960111 360	0.0	0.3+
951116 360	0.0	0.2+	951129 360	0.6-	0.0	970111 360	0.1+	0.1-
951118 360	0.1+	0.2-	951129 360	0.1-	0.0	970111 360	0.0	0.2+
951118 360	0.1+	0.1+	951213 360	0.4+	0.2+	970111 360	0.2-	0.1+
951118 360	0.1-	0.1-	951213 360	0.5+	0.2+	970113 360	0.0	0.1-
951121 360	0.1+	0.4-	960111 360	0.2-	0.1-	970113 360	0.1+	0.1-

1995 WX₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

		Urata			
<i>M</i>		(2000.0)		<i>P</i>	<i>Q</i>
<i>n</i>	0.17437170	ω	318.65954	-0.93129950	+0.29353598
<i>a</i>	3.1731119	Ω	239.64689	-0.23222950	-0.93464518
<i>e</i>	0.1631592	<i>i</i>	14.47396	-0.28062555	-0.20068637
<i>P</i>	5.65	<i>H</i>	12.0	<i>G</i>	0.15

Residuals in seconds of arc

951116 369	0.1-	0.2+	951129 369	0.5+	0.2-	960126 369	0.4-	1.1-
951116 369	0.2+	0.0	951129 369	1.2+	0.4-	960126 369	0.8-	1.6+
951116 369	0.8-	0.1+	951201 887	1.1+	0.5+	960126 369	0.7+	1.1+
951118 369	0.1-	0.3-	951201 887	1.6+	0.7-	960220 887	0.4-	0.4+
951118 369	0.0	0.3-	951223 691	1.3-	0.1+	960220 887	1.2+	0.5+
951118 369	0.1-	0.3-	951223 691	1.3-	0.4+	960220 887	0.6+	0.0
951127 691	0.8-	0.1-	960118 369	0.4-	0.3-	970113 385	0.2-	0.0

951127 691	0.7−	0.0	960118 369	0.3+	1.1−	970113 385	0.3−	0.3−
951127 691	0.5−	0.2−	960118 369	0.9+	0.8+	970115 369	0.0	0.3−
951129 369	0.4+	0.1+	960126 369	1.1−	0.4−	970115 369	0.4+	0.3+

1995 WC₄ = 1973 YQ₁ = 1989 VR₆ = 1994 NA₁₃

Id. E. Howell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	129.86563		(2000.0)		P		Q
n	0.17833903	ω	273.04355	+0.88035863		+0.41749685	
a	3.1258762	Ω	62.37707	−0.26678241		+0.82823881	
e	0.2130528	i	14.71704	−0.39216810		+0.37378718	
P	5.53	H	12.0	G	0.15	U	2

Residuals in seconds of arc

731220 095	0.2−	0.4+	951115 327	0.5−	0.3+	951122 358	1.0−	0.4+
891106 675	0.1+	0.1−	951115 327	0.6−	0.1+	951129 358	0.0	1.3−
891106 675	0.0	0.0	951115 327	0.6+	0.5+	951129 358	1.1+	0.6+
940712 675	0.2+	0.1−	951121 358	1.8+	1.2−	951213 358	1.3−	0.5−
940712 675	0.2−	0.3+	951121 358	0.4+	0.1−	951213 358	1.1+	0.2+
951115 327	0.7−	0.1−	951122 358	0.8−	0.8+			

1995 WA₈

Id. E. Howell (1988 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	130.91265		(2000.0)		P		Q
n	0.30102365	ω	39.40407		+0.76498145		−0.64405134
a	2.2049681	Ω	0.69351		+0.56513168		+0.67040889
e	0.1449660	i	5.29942		+0.30891677		+0.36844238
P	3.27	H	15.0	G	0.15	U	5

Residuals in seconds of arc

880816 675	0.9+	0.0	951129 411	0.2−	0.2−	951201 411	0.3+	0.3−
880816 675	0.9+	0.6−	951129 411	0.0	0.2−	951209 411	0.6+	0.7+
880911 675	1.7−	0.5−	951130 411	0.5−	1.0+	951209 411	0.5+	0.0
880912 675	0.4−	1.5+	951130 411	0.0	0.5−	951224 411	0.1+	0.5−
880912 675	0.4+	0.4−	951201 411	0.6−	0.3+	951224 411	0.2−	0.5−

1996 CM₇

Id. E. Howell (1991, 1994 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	166.24238		(2000.0)		P	Q	
n	0.27893065	ω	55.30177	+0.81276157		−0.58000081	
a	2.3199140	Ω	339.97149	+0.46819346		+0.70636651	
e	0.2265504	i	9.22986	+0.34671820		+0.40576522	
P	3.53	H	14.0	G	0.15	U	2

Residuals in seconds of arc

911201 675	0.5−	0.9+	960120 098	0.6+	0.6+	960319 566	0.1+	0.2+
911201 675	0.5+	1.4−	960214 098	0.2+	0.1−	960324 566	0.2+	0.8−
940713 675	0.5+	0.3−	960214 098	0.3−	0.9+	960324 566	0.6+	1.1−
940713 675	0.3−	0.4−	960215 098	0.6−	0.1−	960324 566	0.5+	0.8−
960117 098	(0.8−	2.7−)	960215 098	0.2+	0.2−	960325 566	0.4−	0.1+
960117 098	(0.4−	2.8−)	960224 098	1.6−	0.9+	960325 566	0.3−	0.3−
960118 098	1.1−	0.3−	960224 098	1.4+	0.2+	960325 566	0.2−	0.0
960118 098	0.9+	0.6−	960319 566	0.3+	0.1−			
960120 098	1.1−	0.6+	960319 566	0.5+	0.2+			

1996 CV₈ = 1990 OZ₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	331.28454		(2000.0)		P		Q
n	0.28876379	ω	230.38832		+0.03649773		+0.99811505
a	2.2669445	Ω	41.78410		−0.89268537		+0.05475525
e	0.1381417	i	4.24637		−0.44920012		−0.02771656
P	3.41	H	13.5	G	0.15	U	5

Residuals in seconds of arc

900721 675	0.5+	0.9−	960120 098	1.1−	0.5−	960218 691	0.5−	0.0
900721 675	0.7−	1.3−	960214 098	1.2−	0.5−	960218 691	0.7−	0.2+
900723 675	0.4+	1.2+	960214 098	0.2−	1.0−	960224 098	0.5+	0.2−
900723 675	0.0	0.4+	960215 098	0.4+	0.5+	960224 098	0.8+	0.5−
960117 098	1.8−	0.9+	960215 098	2.2+	0.4−	960314 098	1.1+	0.6+
960118 098	0.1+	0.0	960218 691	0.4−	0.1−	960314 098	0.3+	0.7+

1996 FG₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

$\dot{M}$	104.15856		(2000.0)		P		Q
n	0.91038141	ω	23.38563	+0.80747920		+0.58914290	
a	1.0543556	Ω	300.48461	−0.54653204		+0.72815499	
e	0.3496934	i	1.98163	−0.22199115		+0.35028696	
P	1.08	H	18.5	G	0.15	U	5

Residuals in seconds of arc

960324 413	1.2−	0.2+	960407 104	(2.2−	0.3+)	960421 046	0.2−	0.3−
960324 413	1.2+	0.2−	960407 104	(2.6−	0.5−)	960422 360	0.3−	0.3−
960325 413	0.7+	1.2+	960409 367	0.9−	0.3−	960422 360	0.2−	0.4−
960325 413	1.6+	1.0−	960409 367	1.0−	0.3−	960422 360	0.2−	0.4−
960326 413	0.8+	0.4+	960409 587	1.0−	0.8−	960423 385	0.6+	0.6−
960326 413	0.9+	0.4+	960409 587	1.1−	0.6−	960423 385	0.4+	1.1−
960326 413	0.9+	0.4+	960409 587	0.9−	0.3−	960423 385	1.0+	1.0−
960326 897	0.9+	0.0	960409 557	0.9−	0.4−	960423 121	0.5+	1.4−
960326 897	1.9+	0.0	960409 557	0.7−	0.5−	960423 121	0.8+	0.2+
960326 897	1.4+	0.7−	960409 557	0.7−	0.6−	960423 121	(0.1+	2.2−)
960326 413	0.7+	0.5+	960411 684	0.0	0.0	960423 121	0.8−	1.1−
960326 413	0.8+	0.5+	960411 684	0.3+	0.0	960428 658	1.4+	0.4+
960326 385	0.9+	0.1+	960411 684	0.4−	0.5−	960428 658	0.8−	1.0+
960326 385	0.5+	0.1+	960412 385	0.5−	0.2−	960428 658	0.4+	1.1+
960326 385	0.7+	0.1+	960412 385	0.2−	0.5−	960502 118	1.7+	1.7+
960326 413	0.7+	0.1+	960412 385	0.3+	0.4−	960502 118	2.0+	1.6+
960326 413	0.8+	0.1+	960412 385	0.1−	0.0	960503 658	0.2−	0.5+
960326 413	0.6+	0.0	960412 367	0.3+	0.2−	960503 658	0.0	0.7+
960327 413	0.2+	0.1−	960412 367	0.6−	0.2−	960503 658	0.0	0.3+
960327 413	0.3+	0.1+	960412 587	0.5+	0.9+	960504 118	0.5+	0.1+
960327 413	0.5+	0.1−	960412 587	0.4+	0.7+	960504 118	0.2+	0.1+
960327 413	0.2+	0.1−	960412 587	0.1−	0.5+	960505 118	0.3−	0.1+
960327 413	0.1+	0.1−	960413 900	0.8−	0.1−	960505 118	0.0	0.1−
960327 400	0.6−	0.6+	960413 900	0.9−	0.3−	960507 557	0.3−	0.1+
960327 400	0.2−	0.1−	960413 867	0.5−	0.3−	960507 557	0.1−	1.7+
960327 367	0.5−	0.1+	960413 867	0.2−	0.3−	960526 413	0.0	0.4+
960327 367	0.3−	0.0	960415 897	0.3−	1.8−	960526 413	0.5+	0.2+
960327 367	0.4−	0.1+	960415 897	0.0	0.7+	960528 413	0.1−	0.2+
960327 900	1.0−	0.1+	960416 046	0.7−	0.6−	960528 413	0.7+	0.6+
960327 900	0.0	0.2+	960416 046	0.5−	0.1−	961215 696	0.5−	0.2−

960327 900	0.1−	0.6+	960416 046	0.2−	0.2−	961215 696	0.5−	0.3−
960327 413	0.2+	0.1−	960416 046	0.3−	0.2−	961215 696	0.5−	0.3−
960327 413	0.4+	0.1−	960417 118	0.4+	0.6−	961216 696	0.0	0.7−
960327 557	0.1+	0.0	960417 118	0.5+	0.4−	961216 696	0.3+	0.6−
960327 557	0.4+	0.1+	960418 118	0.2+	0.2+	961216 696	0.5+	0.3−
960327 046	0.2+	0.4+	960418 118	0.4+	0.3+	970113 046	0.5+	0.5+
960327 046	0.4+	0.4+	960418 046	0.6−	0.8+	970113 046	0.5+	0.5+
960327 046	0.1+	0.4+	960418 046	0.8−	0.8+	970113 046	0.5+	0.4+
960328 413	0.4−	0.3−	960418 046	0.6−	1.0+	970113 360	0.3+	1.0+
960328 413	0.4−	0.2−	960419 801	0.7+	0.2+	970113 360	0.6+	0.7+
960328 413	0.5−	0.3−	960419 801	0.3+	0.2+	970113 360	0.7+	0.3+
960328 413	0.0	0.0	960419 540	1.6−	0.3−	970114 046	0.4+	0.4+
960405 360	0.6−	0.3−	960419 540	0.7−	0.2−	970114 046	0.7+	0.4+
960405 360	0.5−	0.4−	960419 540	0.5−	0.0	970114 046	0.3+	0.5+
960405 360	0.4−	0.2−	960420 118	0.2−	0.3−	970117 599	0.0	0.0
960406 557	0.6−	0.0	960420 118	0.1−	0.2−	970117 599	0.5−	0.5−
960406 557	0.6−	0.4+	960421 118	0.3−	0.6−	970118 599	1.2−	0.7+
960406 557	1.5−	0.2+	960421 046	0.3−	0.2−	970118 599	1.5−	0.3−
960407 104	(2.7−	0.2−)	960421 046	0.5−	0.2−			

1996 GR₁₇ = 1986 TT₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	258.69064		(2000.0)	P		Q
<i>n</i>	0.26519247	ω	347.61628	+0.96371412	−0.26187366	
<i>a</i>	2.3993591	Ω	27.73239	+0.25341570	+0.83663886	
<i>e</i>	0.1508647	<i>i</i>	6.38405	+0.08387839	+0.48110042	
<i>P</i>	3.72	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i> 6

Residuals in seconds of arc

861004 046	1.8−	0.0	960324 809	1.6−	0.7−	960415 809	0.4−	0.1−
861005 046	(2.9+	0.4−)	960324 809	(3.2−	2.5−)	960415 809	1.4−	1.0−
861005 046	0.9−	1.8+	960324 809	(3.2−	2.6−)	960415 809	0.3−	1.0−
861005 046	0.3−	1.8−	960327 809	0.4−	1.8+	960417 809	1.1+	1.7+
861009 046	2.0+	2.0−	960327 809	(0.2−	2.5+)	960417 809	1.2+	0.3−
861009 046	1.1+	1.8+	960327 809	(0.0	2.9+)	960417 809	1.5+	0.5−

1996 GC₁₈ = 1987 GB₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	125.22287		(2000.0)	P		Q
<i>n</i>	0.22927255	ω	0.55740	−0.56470630	−0.82519418	
<i>a</i>	2.6438370	Ω	123.82456	+0.75713137	−0.52413101	
<i>e</i>	0.0959346	<i>i</i>	0.87612	+0.32841875	−0.21057361	
<i>P</i>	4.30	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i> 6

Residuals in seconds of arc

870401 675	1.0−	0.2−	960327 809	1.4+	2.0+	960417 809	0.5+	0.2+
870401 675	0.8+	0.6−	960327 809	1.4+	1.4+	960417 809	0.4+	0.0
870403 675	(3.8−	0.7−)	960327 809	0.3−	0.7+	960513 566	0.0	1.2−
870403 675	0.3−	0.5−	960415 809	1.5−	0.5−	960513 566	0.0	1.1−
960324 809	(1.3+	3.0+)	960415 809	1.0−	0.4−	960513 566	0.3−	1.1−
960324 809	(0.5+	2.8+)	960415 809	0.7−	0.8−			
960324 809	0.1+	2.2+	960417 809	0.5+	0.2−			

1996 GV₁₈ = 1990 TW₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	258.63864		(2000.0)	P		Q
<i>n</i>	0.27438917	ω	331.87279	+0.95861102	−0.26976619	
<i>a</i>	2.3454422	Ω	44.09179	+0.27955856	+0.83119227	
<i>e</i>	0.1212365	<i>i</i>	7.51944	+0.05396218	+0.48615390	
<i>P</i>	3.59	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i> 6

Residuals in seconds of arc

901014 675	0.8−	0.2+	960324 809	0.2+	0.9+	960415 809	0.2+	0.8−
901014 675	0.1+	0.7+	960327 809	0.3+	0.6−	960417 809	(2.6−	1.2+)
901016 675	0.7+	0.6−	960327 809	0.7+	0.3−	960417 809	1.1−	1.1+
901016 675	0.0	0.4−	960327 809	0.2−	1.6−	960417 809	0.3−	1.0+
960324 809	0.6+	0.3+	960415 809	0.1+	0.4−			
960324 809	0.8−	1.0+	960415 809	0.4+	0.6−			

1996 GE₁₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	322.98634		(2000.0)	P		Q
<i>n</i>	0.08147731	ω	63.85821	+0.05399819	+0.95849653	
<i>a</i>	5.2696075	Ω	213.21120	−0.99621103	+0.07085262	
<i>e</i>	0.0748926	<i>i</i>	30.73722	+0.06817458	+0.27615993	
<i>P</i>	12.10	<i>H</i>	10.0	<i>G</i>	0.15	<i>U</i> 5

From 21 observations 1996 Mar. 24–June 10, mean residual 0''.93.

1996 GJ₁₉ = 1995 CU₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	288.73601		(2000.0)	P		Q
<i>n</i>	0.19892316	ω	153.08568	+0.90208213	+0.43156374	
<i>a</i>	2.9063359	Ω	181.34816	−0.40148164	+0.83856131	
<i>e</i>	0.0727667	<i>i</i>	1.83044	−0.15830450	+0.33251717	
<i>P</i>	4.95	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i> 6

Residuals in seconds of arc

950201 691	0.4+	0.0	960324 809	(0.7+	4.1+)	960415 809	1.3+	0.3−
950201 691	0.2+	0.1+	960324 809	(1.8−	3.1+)	960415 809	1.2+	1.1+
950201 691	0.3+	0.1+	960324 809	1.7−	2.0+	960415 809	1.3+	0.4+
950207 691	0.6−	0.1−	960327 809	1.1+	0.3−	960417 809	1.2−	0.5−
950207 691	0.1−	0.1−	960327 809	0.9+	0.3+	960417 809	1.3−	1.2−
950207 691	0.4−	0.2−	960327 809	0.2−	0.2−	960417 809	1.3−	1.1−

1996 GN₁₉ = 1990 SE₂₆ = 1990 UL₁₂ = 1993 LG = 1993 MG

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	355.70738		(2000.0)	P		Q
<i>n</i>	0.30036350	ω	106.00277	+0.57762564	+0.81586673	
<i>a</i>	2.2081977	Ω	199.35338	−0.77632325	+0.53895271	
<i>e</i>	0.2212652	<i>i</i>	4.61218	−0.25233079	+0.20950288	
<i>P</i>	3.28	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i> 5

Residuals in seconds of arc

900927 402	1.0+	0.1−	930619 675	0.9−	0.6+	960415 809	0.9−	1.4−
900927 402	1.4−	1.4+	960324 809	1.0−	1.3+	960415 809	0.5−	1.4−
901023 095	(2.2−	6.5+)	960324 809	0.2−	1.1+	960415 809	0.0	1.4−
930615 675	1.0+	0.2−	960324 809	0.8−	1.1+	960417 809	0.7+	0.1−
930615 675	0.9−	0.6−	960327 809	0.6+	1.5+	960417 809	0.5+	0.4−
930617 675	0.4−	1.2−	960327 809	0.5+	1.6+	960417 809	0.5+	0.9−
930619 675	1.1+	1.5+	960327 809	0.8+	1.4+			

1996 GH₂₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	263.43172	(2000.0)	P		Q	
<i>n</i>	0.22431687	ω	279.40389	+0.99751036	-0.05621831	
<i>a</i>	2.6826340	Ω	83.82743	+0.06861028	+0.91322535	
<i>e</i>	0.0835287	<i>i</i>	2.45431	-0.01630077	+0.40355788	
<i>P</i>	4.39	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5	

From 15 observations 1996 Mar. 24–June 8, mean residual 0^{''}.70.**1996 GM₂₀ = 1990 EG₇**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	21.39534	(2000.0)	P		Q	
<i>n</i>	0.18221906	ω	178.48663	-0.53340971	+0.84576542	
<i>a</i>	3.0813440	Ω	59.27708	-0.77621067	-0.48358913	
<i>e</i>	0.1535060	<i>i</i>	0.82967	-0.33611170	-0.22543827	
<i>P</i>	5.41	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

900303 809	0.9–	1.4+	900307 809	1.5+	1.9–	960415 809	(1.3–	2.9+)
900303 809	0.7–	1.4+	960324 809	0.2–	0.1+	960415 809	(1.2–	2.8+)
900303 809	0.6–	1.3+	960324 809	0.4+	0.3–	960417 809	0.3+	0.6+
900306 809	0.5–	0.4+	960324 809	0.9–	0.7–	960417 809	0.5+	0.8+
900306 809	0.7–	0.6+	960327 809	0.2–	0.1–	960417 809	0.4+	0.3+
900306 809	0.7–	0.6+	960327 809	0.2+	0.0	960513 566	0.0	0.0
900307 809	1.4+	1.9–	960327 809	0.2–	0.3–	960513 566	0.3–	0.0
900307 809	1.2+	1.9–	960415 809	(0.3–	3.4+)	960513 566	0.0	0.5–

1996 HS₈ = 1976 SL₁₁ = 1982 YK₂ = 1987 SW₉ = 1989 AP₁ = 1992 OD₃

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Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	220.12250	(2000.0)	P		Q	
<i>n</i>	0.17915144	ω	318.09398	+0.81986007	-0.57171058	
<i>a</i>	3.1164191	Ω	76.80169	+0.53347617	+0.74293208	
<i>e</i>	0.1712104	<i>i</i>	1.83931	+0.20792460	+0.34813639	
<i>P</i>	5.50	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 2	

Residuals in seconds of arc

760929 095	1.4+	2.4–	890105 675	0.4+	1.9+	960327 809	0.0	1.0–
821222 095	1.6–	1.7–	920726 809	0.3–	0.9–	960327 809	1.4–	1.1–
870919 809	0.2+	0.7+	920726 809	0.7–	0.9–	960327 809	1.6–	0.7–
870919 809	0.1–	0.0	920726 809	0.4–	0.6–	960417 809	0.9+	1.2+
870919 809	0.6–	0.8–	920730 809	0.6–	0.5+	960417 809	0.5+	1.1+
870921 071	(1.6+	7.0+)	920730 809	0.8–	1.3+	960417 809	1.1+	0.9+
870921 071	(0.5+	7.2+)	920730 809	0.6–	0.8+	960418 809	1.1+	0.4–
870921 071	0.9+	0.9+	960324 809	0.0	1.2–	960418 809	0.5+	0.3–
870921 071	1.9+	2.0+	960324 809	0.7–	0.9–	960418 809	0.3+	0.3–
890103 675	(1.1+	52.8–)	960324 809	0.1–	0.1–			

1996 HW₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	314.56070	(2000.0)	P		Q	
<i>n</i>	0.23037592	ω	113.50772	+0.79389576	+0.60427741	
<i>a</i>	2.6353886	Ω	209.44948	-0.59593050	+0.75112452	
<i>e</i>	0.1195980	<i>i</i>	7.91035	-0.12081542	+0.26582094	
<i>P</i>	4.28	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5	

From 15 observations 1996 Mar. 24–June 10, mean residual 0^{''}.70.**1996 LV₃ = 1978 WP₄**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	332.53367	(2000.0)	P		Q	
<i>n</i>	0.25576219	ω	241.09850	+0.69113196	+0.72038611	
<i>a</i>	2.4579808	Ω	72.74436	-0.64008366	+0.64747253	
<i>e</i>	0.1617179	<i>i</i>	3.49044	-0.33560324	+0.24864265	
<i>P</i>	3.85	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 5	

Residuals in seconds of arc

781129 675	0.1+	0.2+	960327 809	0.4+	0.8+	960608 809	1.5–	0.6+
781130 675	0.2–	0.1–	960327 809	0.1–	0.5+	960610 809	1.4+	0.5+
960324 809	0.2+	0.5–	960327 809	0.6–	0.5+	960610 809	1.3+	0.7+
960324 809	0.2+	0.3–	960608 809	1.8–	0.6–	960610 809	1.9+	0.4–
960324 809	0.1+	1.0–	960608 809	1.3–	0.6–			

1996 LG₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	322.93958	(2000.0)	P		Q	
<i>n</i>	0.20544474	ω	231.13170	+0.76385233	+0.64340159	
<i>a</i>	2.8445006	Ω	88.76207	-0.57534242	+0.71439601	
<i>e</i>	0.2138941	<i>i</i>	2.90316	-0.29242216	+0.27508678	
<i>P</i>	4.80	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 7	

From 10 observations 1996 Mar. 24–June 10, mean residual 0^{''}.98.**1996 PY₄ = 1988 DL₁**

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Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	104.57764	(2000.0)	P		Q	
<i>n</i>	0.27202779	ω	68.90818	-0.72120985	+0.66555629	
<i>a</i>	2.3589960	Ω	151.70328	-0.68294485	-0.72956550	
<i>e</i>	0.2650741	<i>i</i>	23.90242	+0.11594258	-0.15738170	
<i>P</i>	3.62	<i>H</i>	15.0	<i>G</i> 0.15	<i>U</i> 4	

Residuals in seconds of arc

880211 675	0.3–	2.1–	960817 566	0.1–	0.4–	960908 566	0.4–	1.0–
880211 675	(0.0	4.7–)	960817 566	0.5–	0.1–	960908 566	0.6–	0.8–
880219 888	0.2–	2.1+	960817 566	0.3–	0.3–	960908 566	0.8–	0.8–
880219 888	0.8–	0.2+	960819 566	0.3+	0.1+	961011 608	1.0–	0.6–
880312 675	0.4+	0.4–	960819 566	0.3+	0.6+	961011 608	0.1+	0.8+
880312 675	1.1+	0.8–	960819 566	0.6+	0.2+	961018 608	0.4+	0.3+
960815 566	0.5+	0.1+	960820 566	0.3–	0.2–	961018 608	0.3+	0.3+
960815 566	1.0+	0.3+	960820 566	1.0–	0.3+			
960815 566	1.0+	0.1+	960820 566	0.4+	0.2+			

1996 RJ

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	339.87132	(2000.0)	P		Q	
<i>n</i>	0.08313640	ω	114.08429	+0.84758340	-0.18033784	
<i>a</i>	5.1992643	Ω	259.55782	+0.05310285	+0.96458791	
<i>e</i>	0.0482942	<i>i</i>	30.49643	+0.52799855	+0.19247968	
<i>P</i>	11.86	<i>H</i>	10.0	<i>G</i> 0.15	<i>U</i> 4	

From 20 observations 1996 Sept. 7–1997 Jan. 14, mean residual 0^{''}.50.

1996 RN₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	52.03508	(2000.0)	P	Q
<i>n</i>	0.36900906	ω 40.57526	+0.77408298	+0.55376208
<i>a</i>	1.9250619	Ω 283.16547	-0.63108956	+0.63651959
<i>e</i>	0.0526924	<i>i</i> 18.36744	-0.05021470	+0.53683365
<i>P</i>	2.67	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5

From 15 observations 1996 Sept. 12–Dec. 15, mean residual 0^h.53.**1996 RR₅**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	8.76072	(2000.0)	P	Q
<i>n</i>	0.17655119	ω 83.20469	+0.86084777	+0.34084712
<i>a</i>	3.1469436	Ω 256.31434	-0.45765921	+0.84320515
<i>e</i>	0.3739156	<i>i</i> 22.88500	+0.22246160	+0.41572624
<i>P</i>	5.58	<i>H</i> 13.5	<i>G</i> 0.15	<i>U</i> 4

From 30 observations 1996 Sept. 15–Dec. 15, mean residual 0^h.38.**1996 SX₆**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	20.63510	(2000.0)	P	Q
<i>n</i>	0.22590756	ω 144.00434	+0.82999438	-0.54841790
<i>a</i>	2.6700263	Ω 249.56172	+0.48300860	+0.79789479
<i>e</i>	0.0826675	<i>i</i> 6.23199	+0.27894806	+0.25020333
<i>P</i>	4.36	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 6

From 13 observations 1996 Sept. 21–Dec. 15, mean residual 0^h.34.**1996 SH₇**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	45.11393	(2000.0)	P	Q
<i>n</i>	0.26814141	ω 294.83784	+0.85528455	+0.51741208
<i>a</i>	2.3817351	Ω 34.02279	-0.45565913	+0.77658617
<i>e</i>	0.2182378	<i>i</i> 2.84835	-0.24670446	+0.35944215
<i>P</i>	3.68	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5

From 27 observations 1996 Sept. 23–Dec. 10, mean residual 0^h.64.**1996 SK₇**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	49.44439	(2000.0)	P	Q
<i>n</i>	0.22792150	ω 296.24678	+0.72722020	+0.67844142
<i>a</i>	2.6542746	Ω 21.55004	-0.48360032	+0.61419538
<i>e</i>	0.2542443	<i>i</i> 16.48813	-0.48711550	+0.40308966
<i>P</i>	4.32	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5

From 16 observations 1996 Sept. 23–Dec. 14, mean residual 0^h.74.**1996 TO = 1978 RS₇ = 1995 GW₈**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	77.37487	(2000.0)	P	Q
<i>n</i>	0.27772815	ω 153.30585	+0.44298518	+0.89577854
<i>a</i>	2.3266057	Ω 142.95658	-0.83304465	+0.42639139
<i>e</i>	0.1480994	<i>i</i> 3.49013	-0.33136195	+0.12558339
<i>P</i>	3.55	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

780902	809	0.1–	0.6–	961003	595	0.5+	0.6+	961101	595	0.2+	1.5–
780902	809	0.9+	0.5–	961004	595	0.9+	0.2+	961101	595	0.6+	0.3+

780902	809	0.0	0.5+	961004	595	0.8–	0.3+	961204	595	0.1+	0.5–
780902	809	0.7–	0.1–	961004	595	0.8–	0.7+	961204	595	0.2+	0.6–
950406	691	0.0	0.1+	961009	595	0.9–	0.3+	961205	595	0.1+	0.2–
950406	691	0.0	0.1–	961009	595	1.0+	0.2–	961205	595	0.0	0.2+
950406	691	0.1–	0.1–	961031	595	0.9–	0.2+				
961003	595	0.1–	1.0+	961031	595	0.2–	0.8–				

1996 TO₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	346.97532	(2000.0)	P	Q
<i>n</i>	0.26804989	ω 249.73999	+0.52387457	-0.84840899
<i>a</i>	2.3822772	Ω 167.77577	+0.85179059	+0.52148887
<i>e</i>	0.5165584	<i>i</i> 20.99966	+0.00286873	+0.09083804
<i>P</i>	3.68	<i>H</i> 17.0	<i>G</i> 0.15	<i>U</i> 5

From 41 observations 1996 Oct. 9–1997 Jan. 13, mean residual 0^h.62.**1996 TT₅**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	7.72295	(2000.0)	P	Q
<i>n</i>	0.28034298	ω 104.27088	+0.86829464	-0.38940455
<i>a</i>	2.3121159	Ω 279.40126	+0.24107149	+0.87266266
<i>e</i>	0.1896719	<i>i</i> 18.14819	+0.43353079	+0.29465910
<i>P</i>	3.52	<i>H</i> 15.0	<i>G</i> 0.15	<i>U</i> 4

From 15 observations 1996 Oct. 7–Dec. 21, mean residual 0^h.46.**1996 TY₇**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	358.91055	(2000.0)	P	Q
<i>n</i>	0.23545420	ω 357.56982	+0.76135013	-0.64313431
<i>a</i>	2.5973576	Ω 42.82821	+0.59685721	+0.64587043
<i>e</i>	0.2658407	<i>i</i> 6.92820	+0.25319450	+0.41137532
<i>P</i>	4.19	<i>H</i> 14.8	<i>G</i> 0.15	<i>U</i> 4

From 32 observations 1996 Oct. 11–1997 Jan. 4, mean residual 0^h.57.**1996 TY₈**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	358.31221	(2000.0)	P	Q
<i>n</i>	0.26120381	ω 164.21132	+0.83227671	-0.46227195
<i>a</i>	2.4237233	Ω 227.53834	+0.45307677	+0.88525932
<i>e</i>	0.2778916	<i>i</i> 24.50365	+0.31943217	-0.05119162
<i>P</i>	3.77	<i>H</i> 15.5	<i>G</i> 0.15	<i>U</i> 4

From 18 observations 1996 Oct. 6–Dec. 29, mean residual 0^h.61.**1996 TJ₉**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	110.92991	(2000.0)	P	Q
<i>n</i>	0.24337314	ω 64.03263	+0.05136130	+0.99838529
<i>a</i>	2.5407053	Ω 208.94285	-0.93326903	+0.03933410
<i>e</i>	0.0846289	<i>i</i> 2.87416	-0.35548690	+0.04098341
<i>P</i>	4.05	<i>H</i> 14.5	<i>G</i> 0.15	<i>U</i> 5

From 42 observations 1996 Oct. 5–Dec. 29, mean residual 0^h.48.**1996 TY₉**

Id. K. J. Lawrence (1991 observations), R. H. McNaught (1987 observation)

M.P.C. 28865

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Bardwell			
<i>M</i>	117.74359	(2000.0)		P	Q		
<i>n</i>	0.34933332	ω	344.70153	−0.33715286	+0.80228833		
<i>a</i>	1.9966842	Ω	263.48150	−0.80334717	−0.51799141		
<i>e</i>	0.3160366	<i>i</i>	29.72331	−0.49087806	+0.29667884		
<i>P</i>	2.82	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

870430	413	0.0	0.0	961017	693	1.6−	0.1+	961105	658	0.1−	0.2−
911207	675	0.4+	0.7+	961017	658	0.1−	0.4+	961105	658	0.0	0.3−
911207	675	0.6−	0.2−	961017	658	0.1−	0.4+	961123	658	0.0	0.4−
961011	693	0.6+	1.4−	961017	658	0.0	0.6+	961123	658	0.1−	0.4−
961011	693	0.7−	0.9−	961018	693	0.6−	0.6+	961123	658	0.1+	0.7−
961016	693	0.0	0.1+	961018	693	0.2−	0.6−	961209	801	0.7+	0.4+
961016	693	0.5−	0.8+	961031	657	0.5+	0.0	961209	801	1.8+	0.7+
961016	693	0.1−	0.5+	961031	657	0.6+	0.2+	961221	046	0.2+	0.2−
961016	693	0.4−	0.5+	961031	657	1.1+	0.9+	961221	046	0.5+	0.3−
961017	693	0.8−	0.3−	961105	658	0.1−	0.2−	961221	046	0.3+	0.2−

1996 TQ₁₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Williams			
<i>M</i>	30.10856	(2000.0)		P	Q		
<i>n</i>	0.39511153	ω	158.04828	+0.97148340	+0.22480644		
<i>a</i>	1.8393156	Ω	189.90698	−0.22245145	+0.97418673		
<i>e</i>	0.0516474	<i>i</i>	25.98447	+0.08206918	−0.02054940		
<i>P</i>	2.49	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	4

From 18 observations 1996 Oct. 3–Dec. 17, mean residual 0^{''}.66.1996 TC₁₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Williams			
<i>M</i>	96.16516	(2000.0)		P	Q		
<i>n</i>	0.22222623	ω	268.19612	+0.97832977	+0.11701775		
<i>a</i>	2.6994327	Ω	85.05707	−0.03845166	+0.91331217		
<i>e</i>	0.1402720	<i>i</i>	9.87228	−0.20345105	+0.39008683		
<i>P</i>	4.44	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

From 17 observations 1996 Oct. 15–1997 Jan. 14, mean residual 0^{''}.34.

1996 UF

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Williams			
<i>M</i>	41.71793	(2000.0)		P	Q		
<i>n</i>	0.30727444	ω	201.38546	+0.98791966	+0.15433177		
<i>a</i>	2.1749624	Ω	149.72598	−0.13784227	+0.91647605		
<i>e</i>	0.1552496	<i>i</i>	1.59313	−0.07081135	+0.36912513		
<i>P</i>	3.21	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

From 17 observations 1996 Oct. 16–1997 Jan. 15, mean residual 0^{''}.59.

1996 UM = 1985 SH

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Marsden			
<i>M</i>	4.49017	(2000.0)		P	Q		
<i>n</i>	0.36259659	ω	200.47655	+0.86142820	−0.50322053		
<i>a</i>	1.9476918	Ω	190.56802	+0.50229816	+0.86412580		
<i>e</i>	0.0825943	<i>i</i>	21.97627	+0.07508669	−0.00746390		
<i>P</i>	2.72	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	4

1997 JAN. 23

Residuals in seconds of arc

850918	046	0.8+	2.6+	961018	693	0.0	0.2+	961102	424	0.1−	0.3+
850918	046	(1.5+	5.0+)	961018	693	0.4−	1.6−	961102	424	1.0−	0.4+
850919	046	0.1+	1.9−	961023	424	0.5+	0.1−	961215	696	0.1+	0.2−
850919	046	0.9−	0.8−	961023	424	0.5+	0.5+	961215	696	0.1+	0.1−
961017	693	0.1−	0.6+	961023	424	0.3+	0.0	961215	696	0.1+	0.0

1996 UN

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Williams			
<i>M</i>	263.03453	(2000.0)		P	Q		
<i>n</i>	0.29722593	ω	304.23441	−0.80430464	−0.59357009		
<i>a</i>	2.2237105	Ω	199.40123	+0.56894202	−0.75579225		
<i>e</i>	0.1408257	<i>i</i>	4.78743	+0.17146146	−0.27650067		
<i>P</i>	3.32	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

From 34 observations 1996 Oct. 18–1997 Jan. 8, mean residual 0^{''}.45.

1996 UR

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Nakano			
<i>M</i>	8.44429	(2000.0)		P	Q		
<i>n</i>	0.22318172	ω	190.26390	+0.90854107	−0.41701319		
<i>a</i>	2.6917226	Ω	194.46360	+0.39020701	+0.86881742		
<i>e</i>	0.1607221	<i>i</i>	5.87288	+0.14930377	+0.26693873		
<i>P</i>	4.42	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	4

From 21 observations 1996 Oct. 16–1997 Jan. 7, mean residual 0^{''}.42.

1996 UU

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Nakano			
<i>M</i>	355.12572	(2000.0)		P	Q		
<i>n</i>	0.24084214	ω	199.91422	+0.64731984	−0.75412853		
<i>a</i>	2.5584743	Ω	210.06263	+0.72585601	+0.65424184		
<i>e</i>	0.1524649	<i>i</i>	12.77342	+0.23261571	+0.05707694		
<i>P</i>	4.09	<i>H</i>	13.8	<i>G</i>	0.15	<i>U</i>	4

From 28 observations 1996 Oct. 4–1997 Jan. 9, mean residual 0^{''}.57.

1996 UX

Id. E. Bowell (1991, 1994 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5				Williams			
<i>M</i>	340.10243	(2000.0)		P	Q		
<i>n</i>	0.20454762	ω	172.72665	+0.25498899	−0.96679331		
<i>a</i>	2.8528117	Ω	262.49932	+0.88628453	+0.24073999		
<i>e</i>	0.0698289	<i>i</i>	0.98641	+0.38662689	+0.08576103		
<i>P</i>	4.82	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

911007	675	0.1−	0.4+	961021	411	0.5−	0.8−	961109	691	1.2−	0.3+
940510	675	0.5+	0.1−	961022	411	1.7+	0.3+	961109	691	1.0−	0.2+
940510	675	0.3+	0.1−	961022	411	0.5+	0.5−	961113	411	0.1+	0.2+
940608	675	0.3−	2.1+	961106	411	0.3+	0.4−	961113	411	0.6+	0.3+
961020	411	0.1−	1.3−	961106	411	0.0	0.8+	961130	411	0.8+	0.6+
961020	411	0.4−	0.1−	961106	411	0.3+	1.3+	961130	411	0.5−	0.6+
961021	411	0.2+	0.5−	961109	691	1.1−	0.2+				

1996 UK₁ = 1985 UD₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	33.97831		(2000.0)	P		Q	
<i>n</i>	0.26981443	ω	301.27089	+0.98817589	+0.14703693		
<i>a</i>	2.3718794	Ω	50.31078	-0.11431929	+0.89545067		
<i>e</i>	0.1821494	<i>i</i>	3.23741	-0.10217391	+0.42017643		
<i>P</i>	3.65	<i>H</i>	14.3	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

851016 049	0.6-	0.1-	961020 365	0.4-	0.2-	961021 365	0.3+	0.0
851016 049	0.9+	0.0	961020 365	0.1-	0.2+	961119 365	0.2-	0.0
851018 095	0.2-	0.0	961021 365	0.0	0.3+	961119 365	0.3+	0.1-

1996 UL₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	44.04676		(2000.0)	P		Q	
<i>n</i>	0.18613703	ω	140.70181	+0.96766307	+0.23607691		
<i>a</i>	3.0379517	Ω	206.05709	-0.25031959	+0.94217336		
<i>e</i>	0.0699752	<i>i</i>	11.67084	+0.03111731	+0.23785933		
<i>P</i>	5.30	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

From 36 observations 1996 Oct. 20–1997 Jan. 14, mean residual 0^{''}.76.**1996 VC = 1978 SF₇ = 1983 HR₁**

Id. B. G. Marsden

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	348.85874		(2000.0)	P		Q	
<i>n</i>	0.27484792	ω	70.44920	+0.29365035	-0.95576124		
<i>a</i>	2.3428316	Ω	2.65711	+0.67984375	+0.19628838		
<i>e</i>	0.3517904	<i>i</i>	21.54899	+0.67199847	+0.21906924		
<i>P</i>	3.59	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

780926 095	1.3+	1.5-	961104 709	0.2+	0.1+	961121 696	0.0	0.0
830416 033	0.0	0.1-	961104 709	0.2+	0.1+	961123 658	(1.9-	2.4-)
830416 033	0.6-	0.9-	961104 709	0.4-	0.7+	961123 658	(1.1-	2.4-)
961101 693	(3.1-	0.0)	961104 709	0.1+	0.0	961123 658	(1.4-	2.6-)
961101 693	1.4-	0.9-	961105 658	0.7-	0.1-	961212 709	0.6+	0.0
961102 657	0.1+	0.1+	961105 658	0.6-	0.1-	961212 709	0.7+	0.0
961102 657	0.1+	0.4-	961105 658	0.5-	0.0	961212 709	0.5+	0.1-
961102 657	0.4+	0.5-	961105 658	0.6-	0.1-	961212 709	0.7+	0.1-
961102 693	0.9-	0.1-	961106 709	0.3-	0.6+	961212 709	0.7+	0.1-
961102 046	0.2-	0.7-	961106 709	0.3-	0.7+	961212 709	0.7+	0.1-
961102 046	0.2-	0.3-	961106 709	0.6-	1.0+	961212 709	0.7+	0.0
961102 046	0.0	0.4-	961106 709	0.2+	0.2+	961212 709	0.6+	0.1-
961102 046	0.1-	0.3-	961118 709	0.3+	0.5+	961214 658	0.1+	0.3-
961102 046	0.3-	0.2-	961118 709	0.3+	0.5+	961214 658	0.1-	0.3-
961103 817	0.2-	0.4-	961118 709	0.4+	0.3+	961214 658	0.1-	0.1-
961103 817	0.2-	0.2-	961118 709	0.4+	0.4+	961221 046	0.2+	0.5-
961103 817	0.4-	0.1-	961118 709	0.4+	0.3+	961221 046	0.3+	0.2-
961103 817	0.2-	0.1-	961118 709	0.5+	0.6+	961221 046	0.0	0.5-
961103 046	0.0	0.3+	961118 709	0.4+	0.3+	961221 046	0.2+	0.4-
961103 046	0.1-	0.3+	961118 709	0.4+	0.3+	970114 658	0.9-	0.9+
961103 046	0.0	0.3+	961118 709	0.4+	0.3+	970114 658	1.4-	0.1+
961103 046	0.1-	0.2+	961118 709	0.3+	0.3+	970114 658	1.2-	0.3+

961104 709 0.1+ 0.1+ 961121 696 0.1+ 0.0

961104 709 0.2+ 0.1+ 961121 696 0.1+ 0.0

1996 VL = 1996 TH₅₄Id. G. V. Williams (*MPC* 28564)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	42.87026		(2000.0)	P		Q	
<i>n</i>	0.27575999	ω	325.06020	+0.82700582	+0.56219186		
<i>a</i>	2.3376629	Ω	0.73602	-0.49004201	+0.72199836		
<i>e</i>	0.2558252	<i>i</i>	5.79955	-0.27553622	+0.40330965		
<i>P</i>	3.57	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	6

From 14 observations 1996 Oct. 11–Dec. 28, mean residual 0^{''}.58.**1996 VN**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	297.88796		(2000.0)	P		Q	
<i>n</i>	0.22416139	ω	120.52262	-0.48250842	-0.87588698		
<i>a</i>	2.6838743	Ω	358.31941	+0.76791493	-0.42150883		
<i>e</i>	0.2102333	<i>i</i>	5.40047	+0.42129834	-0.23484527		
<i>P</i>	4.40	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

From 40 observations 1996 Oct. 4–1997 Jan. 8, mean residual 0^{''}.34.**1996 VC₁ = 1991 VC₁₇ = 1993 DH₃**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	32.68465		(2000.0)	P		Q	
<i>n</i>	0.19451439	ω	96.27586	+0.99111475	-0.13198421		
<i>a</i>	2.9500875	Ω	271.30927	+0.11458456	+0.91017123		
<i>e</i>	0.1075775	<i>i</i>	0.94475	+0.06754208	+0.39264298		
<i>P</i>	5.07	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

911111 691	0.1-	0.2-	961103 587	1.2+	1.1-	961128 587	0.3-	0.6+
911111 691	0.1+	0.3-	961106 587	0.3-	0.3-	961128 587	0.1-	0.6+
911111 691	0.1+	0.2+	961106 587	0.3-	0.1+	961214 587	0.0	0.2-
930223 691	0.1-	0.2-	961107 400	0.0	0.0	961214 587	0.2+	0.4-
930223 691	0.0	0.1-	961107 400	0.1+	0.4-	961229 587	0.2-	0.5+
930223 691	0.1-	0.1-	961108 587	0.4-	0.1+	961229 587	0.1+	0.1+
961103 400	0.7+	0.1-	961108 587	0.4-	0.8+	970111 587	0.2-	0.2+
961103 400	(2.2+	1.4+)	961108 587	0.7-	0.9+	970111 587	0.1-	1.1+
961103 587	0.3-	1.3-	961120 587	0.1+	0.6+			
961103 587	0.4+	0.7-	961120 587	0.2+	0.4-			

1996 VJ₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	91.05261		(2000.0)	P		Q	
<i>n</i>	0.29304199	ω	83.78064	+0.27734700	+0.96022030		
<i>a</i>	2.2448267	Ω	202.40356	-0.91176321	+0.25238722		
<i>e</i>	0.1514141	<i>i</i>	4.89026	-0.30292983	+0.11948920		
<i>P</i>	3.36	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

From 34 observations 1996 Sept. 15–Dec. 9, mean residual 0^{''}.41.

1996 VP₂ = 1990 QO₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.18294768	ω	206.68395	+0.96184183	+0.27359186		
<i>a</i>	3.0731572	Ω	137.43763	-0.25028601	+0.88393606		
<i>e</i>	0.1553648	<i>i</i>	0.23637	-0.11053145	+0.37921568		
<i>P</i>	5.39	<i>H</i>	15.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

900816	809	1.0+	0.3-	900826	809	0.5-	1.0+	961111	817	0.9+	0.5+
900816	809	0.2+	1.0+	961105	691	0.3+	0.1+	961117	691	1.1-	0.2-
900816	809	0.2-	0.7-	961105	691	0.3+	0.1+	961117	691	1.1-	0.1-
900818	809	0.5+	1.0-	961105	691	0.3+	0.0	961117	691	1.1-	0.1-
900818	809	0.2-	1.0-	961110	817	0.2-	0.2-	961128	327	0.8-	1.3+
900818	809	0.1+	0.1-	961110	817	0.4-	0.3+	961128	327	0.1+	0.2-
900826	809	0.8-	0.4+	961110	817	0.2+	0.3-	961128	327	1.3+	0.1+
900826	809	0.1-	0.6+	961111	817	0.5+	0.2-	961128	327	0.6+	1.1-

1996 VU₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.17984972	ω	234.29376	+0.72658226	-0.68703546		
<i>a</i>	3.1083473	Ω	169.09477	+0.64291809	+0.67584533		
<i>e</i>	0.2243304	<i>i</i>	2.35625	+0.24235211	+0.26686209		
<i>P</i>	5.48	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	5

From 27 observations 1996 Oct. 21–1997 Jan. 14, mean residual 0^{''}.57.**1996 VK₃ = 1991 TO₁₄ = 1994 JP₉**

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.21696222	ω	205.31213	+0.30957809	-0.95032136		
<i>a</i>	2.7429210	Ω	226.67268	+0.87981296	+0.29920672		
<i>e</i>	0.0765664	<i>i</i>	2.55393	+0.36068068	+0.08581752		
<i>P</i>	4.54	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

911007	691	0.3+	0.4-	961106	411	0.3+	0.8-	961119	411	0.5-	0.6+
911007	691	0.1+	0.2+	961113	411	0.1+	0.6+	961119	411	0.2+	1.2-
911007	691	0.3-	0.1-	961113	411	0.2+	0.8-	961130	411	0.0	0.1-
940503	691	0.3+	0.8-	961115	411	0.2-	0.3+	961130	411	0.7-	0.0
940503	691	0.3-	0.0	961115	411	0.2+	0.2+	961208	411	0.5+	0.6-
940503	691	0.3-	0.3-	961116	411	0.6+	0.5+	961208	411	0.3+	0.2+
961106	411	0.6-	1.3-	961116	411	0.4-	1.6+				

1996 VP₇ = 1983 AM₄ = 1986 RF₁₁ = 1994 KC

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Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.20633711	ω	193.56501	+0.86369902	-0.50392418		
<i>a</i>	2.8362934	Ω	196.70443	+0.46534926	+0.80432014		
<i>e</i>	0.0686681	<i>i</i>	1.83172	+0.19358219	+0.31484844		
<i>P</i>	4.78	<i>H</i>	12.6	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

830106	095	0.2+	2.2+	961115	905	1.5-	0.9-	961201	385	0.1+	0.1-
860909	095	0.4+	0.9-	961115	905	0.5+	0.9-	961202	905	0.8+	0.3-
940511	691	0.7-	1.8-	961118	905	0.8+	0.0	961202	905	0.0	0.5-

940511	691	0.7-	0.8-	961118	905	(2.4+	1.2-)	961214	905	0.4-	0.8-
940517	691	0.8-	0.8-	961121	385	0.8+	0.0	961214	905	0.1+	0.5-
940517	691	0.5-	0.8-	961121	385	0.1+	0.7-	970103	385	0.7-	1.0-
940517	691	0.5-	0.8-	961121	385	0.3+	0.2-	970103	385	0.3-	0.5-
940608	675	0.7+	0.7-	961201	385	0.1+	0.3-				
940608	675	0.8+	0.6-	961201	385	0.2+	0.4-				

1996 VJ₈ = 1976 YX₅ = 1984 WU₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.24412897	ω	79.10168	+0.44121950	-0.89716687		
<i>a</i>	2.5354585	Ω	344.66709	+0.79023949	+0.39921516		
<i>e</i>	0.1694374	<i>i</i>	4.42895	+0.42526098	+0.18899436		
<i>P</i>	4.04	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

761218	095	0.0	0.3+	961108	400	0.0	1.6+	961116	400	0.8+	0.1-
841127	010	0.9+	0.0	961108	400	0.2+	1.3+	970101	400	0.3-	0.2+
841128	010	0.9-	0.5-	961113	400	0.3+	0.0	970101	400	0.2+	0.3-
961107	400	0.3+	2.2-	961113	400	0.1+	0.0				
961107	400	1.7-	0.7-	961116	400	0.0	0.3+				

1996 VB₉ = 1990 DX₅ = 1995 SG₅₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.12330752	ω	259.47184	+0.50199618	-0.86446459		
<i>a</i>	3.9976951	Ω	160.32808	+0.82107992	+0.46673964		
<i>e</i>	0.2520476	<i>i</i>	4.51037	+0.27171236	+0.18669516		
<i>P</i>	7.99	<i>H</i>	11.7	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

900223	033	0.2+	0.2+	961107	400	1.3-	1.1-	961116	400	0.0	0.6+
900223	033	0.1-	0.1+	961107	400	0.3+	1.2-	961116	400	0.0	0.9+
950927	327	0.1+	0.6+	961108	400	1.1+	0.6-	970101	400	0.0	0.5-
950927	327	0.3-	0.3+	961115	400	0.5-	0.3+	970101	400	1.0+	0.8+
950927	327	0.1+	0.5-	961115	400	0.4-	0.7+				

1996 VZ₂₉ = 1978 WT₈ = 1983 CL₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.27221422	ω	28.31503	-0.58067387	-0.81203899		
<i>a</i>	2.3579188	Ω	97.24037	+0.73540890	-0.55394512		
<i>e</i>	0.1664577	<i>i</i>	3.37491	+0.34927297	-0.18367768		
<i>P</i>	3.62	<i>H</i>	14.6	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

781129	675	0.1-	0.1-	830215	688	0.3-	0.4-	961112	399	1.5+	0.6-
781130	675	0.3+	0.9-	961107	399	1.4-	1.0-	961115	399	1.1-	0.5+
830210	095	1.7+	0.9+	961107	399	0.8+	0.2-	961115	399	0.3-	0.8+
830215	688	1.4-	0.3-	961112	399	0.2+	1.3+				

1996 VF₃₀ = 1968 UZ₁ = 1982 UF₁ = 1982 VL₉ = 1991 SH₂ = 1993 BZ₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	11.93987		(2000.0)		P		Q
<i>n</i>	0.21277972	ω	227.00109	+0.85579505			-0.51574441
<i>a</i>	2.7787484	Ω	163.91200	+0.50678473			+0.82019868
<i>e</i>	0.2287329	<i>i</i>	8.35803	+0.10384637			+0.24755166
<i>P</i>	4.63	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	1

Residuals in seconds of arc

681023 095	0.3+	0.1-	930123 809	0.9+	1.0+	930217 809	1.3-	1.6-
821021 688	0.2+	0.2+	930123 809	0.0	0.8+	961107 399	0.2+	0.7+
821021 688	0.4-	1.8-	930123 809	0.1+	0.8+	961107 399	0.6-	1.3+
821110 095	(4.3+	3.0-)	930128 809	0.0	0.7-	961112 399	1.2-	0.5-
910910 675	0.2+	0.8-	930128 809	0.1+	0.7-	961112 399	0.0	0.2+
910910 675	0.1-	0.5-	930128 809	0.4-	0.8-	961202 399	1.3+	0.4+
910916 675	0.4+	0.9-	930217 809	0.2+	2.5-	961202 399	0.0	0.8+
910916 675	0.2+	0.5-	930217 809	0.2-	0.1-			

1996 VG₃₀ = 1987 UG₄ = 1987 VR₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	320.28376		(2000.0)		P		Q
<i>n</i>	0.22192414	ω	227.88441	-0.40977808			-0.90364089
<i>a</i>	2.7018818	Ω	246.70246	+0.87182485			-0.34780994
<i>e</i>	0.2042721	<i>i</i>	7.79432	+0.26833441			-0.24992277
<i>P</i>	4.44	<i>H</i>	13.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

871028 399	0.7+	1.1+	961115 399	0.7+	0.2+	961217 691	0.6-	0.3-
871028 399	0.1-	0.6+	961202 399	0.3+	0.5-	961217 691	0.6-	0.3-
871028 399	1.0-	0.7-	961202 399	1.7+	0.7-	961217 691	0.6-	0.4-
871115 327	0.6+	0.1-	961204 691	0.6-	0.4-	961228 369	0.4+	0.3-
871115 327	0.1-	0.6-	961204 691	0.6-	0.3-	961228 369	0.5+	0.1-
961107 399	0.5-	0.5+	961204 691	0.6-	0.7-	961228 369	0.5+	0.2-
961107 399	0.0	0.1+	961206 399	1.4-	1.1+	961229 369	0.0	1.2+
961112 399	1.1+	1.1-	961206 399	1.8-	0.8+	961229 369	0.3+	0.1+
961112 399	0.8+	0.6+	961207 399	(1.1+	2.2+)	961229 369	0.1+	0.3+
961115 399	0.2+	0.5-	961207 399	0.5+	0.9+			

1996 VJ₃₀ = 1992 SV₂₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	54.36314		(2000.0)		P		Q
<i>n</i>	0.26523704	ω	104.21078	+0.97399431			+0.21003159
<i>a</i>	2.3990903	Ω	243.72308	-0.22656443			+0.90601802
<i>e</i>	0.1439334	<i>i</i>	5.43836	+0.00191017			+0.36744807
<i>P</i>	3.72	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920904 095	0.6+	0.1+	921020 095	(3.3+	7.2-)	961112 399	0.8+	0.5-
920928 095	(0.1-	4.1-)	960923 327	0.1+	0.3+	961115 399	0.7+	0.4+
920928 095	(1.0+	4.5+)	960923 327	0.3+	0.9+	961115 399	0.5+	0.2+
920929 675	1.3-	0.4+	960923 327	0.3-	0.7+	961205 691	0.3+	0.1-
920929 675	(3.2-	8.0+)	960923 327	0.3-	0.8+	961205 691	0.2+	0.3-
921001 675	0.3-	0.4-	961107 399	0.5-	1.2-	961205 691	0.4+	0.2-
921004 675	(3.0-	17.7+)	961107 399	0.1+	1.7-	961206 399	1.5-	1.0+
921004 675	1.3+	0.6-	961112 399	0.1-	0.6+	961206 399	0.9-	0.1+

1996 VK₃₀ = 1991 PB₂₈ = 1991 RJ₄₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	353.05875		(2000.0)		P		Q
<i>n</i>	0.22919982	ω	304.28831	+0.34569050			-0.93558537
<i>a</i>	2.6443963	Ω	125.32725	+0.88730475			+0.30097508
<i>e</i>	0.2577824	<i>i</i>	5.06006	+0.30526768			+0.18464566
<i>P</i>	4.30	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

910805 809	1.0+	1.1+	910907 809	1.7-	0.6-	961112 399	1.7+	1.0+
910805 809	0.4-	1.1-	910907 809	0.8-	0.4+	961112 399	0.3+	0.2-
910805 809	2.1+	1.6+	961107 399	0.4-	1.0-	961206 399	0.9-	0.1-
910907 809	0.6-	1.2-	961107 399	0.0	0.1-	961206 399	0.9-	0.5+

1996 VO₃₀ = 1955 TR = 1962 WS₁ = 1972 TD₃ = 1979 VF₃ = 1979 YY₁

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Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	25.68987		(2000.0)		P		Q
<i>n</i>	0.28941772	ω	129.27618	+0.95166859			-0.30205434
<i>a</i>	2.2635285	Ω	248.36816	+0.26015057			+0.88899583
<i>e</i>	0.1916601	<i>i</i>	3.42833	+0.16324392			+0.34416507
<i>P</i>	3.41	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

551009 012	(8.0-	7.7-)	961107 399	0.3-	0.4-	961202 399	0.1+	1.5+
551011 012	0.2-	0.6+	961107 399	0.0	0.1+	961206 399	0.5+	0.6+
621130 760	0.8+	1.0+	961112 399	0.4+	1.3-	961206 399	0.8+	0.2-
621130 760	0.1+	0.2+	961112 399	1.0-	1.1-	961207 399	1.5+	0.1+
721005 095	(6.6-	4.7+)	961115 399	0.3+	0.1-	961207 399	0.0	0.1-
791114 095	0.1-	0.2+	961115 399	1.2-	0.6-			
791223 095	2.0-	0.8-	961202 399	0.1+	0.5+			

1996 VQ₃₀ = 1973 DB = 1980 BL₁ = 1989 UP₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	314.12899		(2000.0)		P		Q
<i>n</i>	0.28313762	ω	84.55682	-0.42440349			-0.90443643
<i>a</i>	2.2968766	Ω	30.67221	+0.79350194			-0.39453989
<i>e</i>	0.1108799	<i>i</i>	4.87118	+0.43616092			-0.16227453
<i>P</i>	3.48	<i>H</i>	13.9	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

730227 029	0.3+	0.4-	961110 358	0.2+	1.6+	961203 358	0.2-	0.3+
730227 029	0.9-	0.2-	961110 358	0.0	0.2-	961203 358	0.3+	0.0
730309 029	0.5+	0.6-	961116 358	0.6+	1.3-	961216 358	0.4-	0.7-
800123 095	0.5+	1.7+	961116 358	0.1-	0.6-	961216 358	1.6+	0.3-
891023 033	0.4-	0.7+	961119 358	0.5-	0.1-			
891023 033	0.3-	0.8+	961119 358	0.7-	0.3-			

1996 VS₃₀ = 1986 OU = 1989 CT₈ = 1991 RM₂₆ = 1995 OM

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	116.65029		(2000.0)		P		Q
<i>n</i>	0.21589640	ω	306.55814	+0.40838168			+0.91273671
<i>a</i>	2.7519410	Ω	347.52918	-0.81927922			+0.36087100
<i>e</i>	0.1109295	<i>i</i>	3.09691	-0.40249964			+0.19153019
<i>P</i>	4.57	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

860727	413	0.3+	0.0	910913	675	0.6-	1.5-	961116	358	0.0	0.5+
860727	413	(3.6-	0.2+)	910913	675	0.1+	0.9-	961119	358	0.4-	0.8+
860801	413	1.0-	0.8-	950718	399	0.6-	0.1+	961119	358	0.1-	0.5+
860801	413	1.2+	0.7+	950718	399	0.9-	1.0+	961203	358	(3.2+	0.1-)
890213	809	0.4-	0.0	950719	399	1.0+	0.5-	961203	358	1.4-	0.5+
890213	809	0.1-	0.1+	950719	399	0.2-	0.8+	961203	358	0.2+	0.7+
890213	809	0.4+	0.2+	961110	358	(0.2+	3.6-)	961207	358	1.8+	0.9-
910911	675	2.0+	0.6+	961110	358	1.0-	1.4-	961207	358	0.3+	0.9-
910911	675	1.6-	0.2+	961116	358	0.9+	1.8+				

1996 VT₃₀ = 1963 SZ = 1992 PL₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	22.31693		(2000.0)	P		Q	
<i>n</i>	0.27076145	ω	128.78782	+0.91402200		-0.40512821	
<i>a</i>	2.3663455	Ω	255.12018	+0.36517943		+0.84410234	
<i>e</i>	0.2224984	<i>i</i>	1.23645	+0.17665723		+0.35122980	
<i>P</i>	3.64	<i>H</i>	14.1	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

630926	760	0.0	2.5+	920806	675	0.1+	1.7-	961119	358	0.4+	1.5-
631014	760	0.2+	0.5+	920806	675	1.0+	1.7+	961207	358	0.3-	0.4-
631014	760	2.3-	1.7+	920806	675	0.9+	0.9+	961207	358	0.0	0.5+
920802	675	0.5+	1.4-	961110	358	0.1-	1.3-	961207	358	0.3+	1.2-
920802	675	0.0	2.4-	961110	358	0.0	0.1-	961210	358	1.0-	0.1-
920803	675	0.6+	0.5+	961116	358	0.3+	0.2+	961210	358	0.2-	0.5-
920803	675	0.6-	0.3-	961116	358	0.4+	1.8+				
920806	675	0.7-	1.8-	961119	358	0.7+	1.1-				

1996 VK₃₈ = 1977 UU = 1986 RZ₈ = 1991 RG₂₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	150.87338		(2000.0)	P		Q	
<i>n</i>	0.21685660	ω	93.06458	-0.12713138		+0.99160056	
<i>a</i>	2.7438116	Ω	169.54125	-0.95413716		-0.11570419	
<i>e</i>	0.1022545	<i>i</i>	7.53037	-0.27103485		-0.05780025	
<i>P</i>	4.54	<i>H</i>	12.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

771016	675	0.1+	0.1+	910915	675	0.4-	0.5+	961112	399	0.5-	0.4+
771017	675	0.1-	0.1-	910915	675	1.2-	0.2-	961206	399	0.7+	0.5-
860908	095	0.1-	0.4+	961107	399	0.9+	0.6+	961206	399	0.3-	1.0+
910913	675	0.6+	0.4-	961107	399	0.6-	0.5-				
910913	675	1.1+	0.4-	961112	399	0.3-	0.6-				

1996 WQ₁ = 1979 FC₃ = 1979 KW = 1994 GE₉

Id. T. Kobayashi, S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	259.58042		(2000.0)	P	Q
<i>n</i>	0.26236572	ω	331.09108	-0.99652542	-0.08255688
<i>a</i>	2.4165623	Ω	204.18084	+0.08065251	-0.92346328
<i>e</i>	0.1478418	<i>i</i>	1.54172	+0.02079103	-0.37469979
<i>P</i>	3.76	<i>H</i>	13.9	<i>G</i>	0.15
				<i>U</i>	4

Residuals in seconds of arc

790331	095	0.3+	0.8+	940411	399	0.2-	0.5-	961206	411	0.1+	0.2+
790519	809	0.6-	0.6-	940413	399	0.4+	0.2+	961206	411	0.3+	0.6-
790521	809	0.2-	0.3+	940413	399	2.3-	0.6+	961206	411	0.3+	0.4-

790523	809	0.2+	0.2-	961130	411	0.1+	0.1-	961214	411	0.4+	0.0
790523	809	0.4+	0.1-	961130	411	0.1-	0.7-	961214	411	0.1+	0.2+
790524	809	0.0	0.1-	961201	411	0.0	0.5-	961228	411	0.6-	1.2+
940411	399	1.9+	0.8-	961201	411	0.3-	0.3-	961228	411	0.4-	0.9+

1996 WT₁ = 1992 AW₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

M	8.08269		(2000.0)	P	Q
n	0.19030117	ω	214.18377	+0.63967775	-0.76863501
a	2.9934711	Ω	196.04939	+0.70805570	+0.59104721
e	0.3334486	i	0.73590	+0.29911454	+0.24467003
P	5.18	H	15.5	G	0.15
				U	4

Residuals in seconds of arc

920109	691	0.1-	0.4+	961130	411	0.2+	0.1-	961219	411	0.2-	0.2-
920109	691	0.2+	0.4+	961201	411	0.2-	2.0+	961219	411	0.0	0.9-
920109	691	0.1-	0.1+	961201	411	0.8-	0.9+	961228	411	0.1-	1.5-
920201	691	0.2-	0.2-	961206	411	0.2+	0.1+	961228	411	0.4+	1.2-
920201	691	0.2+	0.3+	961206	411	0.0	0.0	961229	327	0.4-	0.2-
920201	691	0.3+	0.1+	961214	411	0.2+	0.3+	961229	327	0.3+	0.3-
961130	411	0.4+	0.0	961214	411	0.1+	0.1-	961229	327	0.0	0.2+

1996 WC₂ = 1991 JC₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	227.13658		(2000.0)	P		Q	
<i>n</i>	0.26784428	ω	119.91104	-0.97735498		+0.16607572	
<i>a</i>	2.3834962	Ω	69.91534	-0.20739748		-0.87478796	
<i>e</i>	0.0332456	<i>i</i>	8.02615	+0.04199435		-0.45515369	
<i>P</i>	3.68	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910512	809	0.5+	0.6-	961201	560	0.4+	0.5+	961227	560	0.5+	0.7-
910512	809	1.3+	0.3+	961202	560	1.2+	0.7+	961227	560	0.2+	0.3+
910512	809	0.1+	0.4-	961202	560	0.2-	1.6-	961227	560	0.9-	0.2-
910517	809	0.5-	0.6-	961202	560	0.3-	0.4-	970111	560	(0.3-	2.2-)
910517	809	0.9-	0.7-	961204	560	0.9+	1.5+	970111	560	0.6-	0.6+
910517	809	1.3-	0.9-	961204	560	1.3-	0.0	970111	560	1.0-	0.1-
961130	560	0.9+	1.1+	961204	560	0.9+	0.0	970112	560	0.6+	0.5-
961130	560	1.6+	0.2-	961204	560	1.3-	1.4-	970112	560	0.7+	0.6-
961130	560	0.3+	1.5-	961226	560	1.0-	0.7-	970112	560	1.1+	0.3-
961201	560	0.5-	0.1-	961226	560	0.3+	0.0				
961201	560	0.4-	0.0	961226	560	0.6-	0.3+				

1996 XC = 1991 NU₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

M	162.38787		(2000.0)	P	Q
n	0.25907298	ω	167.36211	-0.11217856	+0.98688051
a	2.4369950	Ω	96.11114	-0.92155275	-0.05961288
e	0.1908364	i	6.70626	-0.37169410	-0.15004386
P	3.80	H	14.0	G	0.15
				U	5

Residuals in seconds of arc

910703	809	0.6-	0.4+	961201	684	0.2-	0.1-	961217	684	0.1+	0.0
910703	809	0.0	0.9+	961201	684	0.5-	0.4+	961217	684	0.1+	0.1+
910703	809	0.4+	0.9+	961202	684	0.4+	0.3-	961217	684	0.0	0.2+
910704	809	0.4-	0.4-	961202	684	0.1-	0.5-	961217	566	0.3-	0.1-
910704	809	0.1+	0.1-	961204	684	0.0	0.2-	961217	566	0.5+	0.2-

910704	809	0.5+	0.1+	961204	684	0.0	0.3−	961217	566	0.2+	0.0
910705	809	0.4−	0.7−	961212	684	0.1+	0.1+	961230	684	0.3−	0.3+
910705	809	0.1+	0.5−	961212	684	0.0	0.3+	961230	684	0.2−	0.2+
910705	809	0.4+	0.4−	961212	684	0.1+	0.2+				

1996 XC₁ = 1991 GN₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	132.92548		(2000.0)	P		Q	
<i>n</i>	0.28402841	ω	95.68372	+0.40168499		+0.91571039	
<i>a</i>	2.2920717	Ω	198.01229	−0.85380199		+0.37008212	
<i>e</i>	0.0605638	<i>i</i>	2.06082	−0.33116663		+0.15656852	
<i>P</i>	3.47	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	6

Residuals in seconds of arc

910408	809	1.0+	0.4+	961202	411	1.1−	0.8+	961219	411	0.8+	0.7−
910408	809	0.8+	0.3+	961202	411	0.1+	0.2−	961219	411	2.3+	0.7−
910408	809	0.2−	0.1+	961203	411	0.3+	0.7+	961228	411	0.5−	0.1−
910410	809	0.0	0.7+	961203	411	0.4+	0.9+	961228	411	0.4−	0.5−
910410	809	0.7−	0.7−	961208	411	1.2−	0.1−				
910410	809	0.9−	0.7−	961208	411	0.4−	0.2−				

1996 XD₁ = 1977 XK₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	121.31604		(2000.0)	P		Q	
<i>n</i>	0.31487455	ω	217.70388	+0.66144882		+0.74781077	
<i>a</i>	2.1398221	Ω	93.78312	−0.67342217		+0.62572821	
<i>e</i>	0.1678866	<i>i</i>	3.28259	−0.33013337		+0.22190821	
<i>P</i>	3.13	<i>H</i>	13.9	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

771207	675	0.3−	0.1+	961203	411	0.1−	0.0	961219	411	0.0	0.0
771208	675	0.3+	0.2−	961203	411	0.1−	0.0	961219	411	0.5+	0.5+
961202	411	0.4−	0.0	961208	411	0.1+	0.0	961228	411	0.3−	0.5−
961202	411	0.2+	0.0	961208	411	0.3+	0.0	961228	411	0.2−	0.0

1996 XF₁ = 1979 YB₅ = 1990 UL₈ = 1990 UH₁₀ = 1993 FA₁₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	43.59737		(2000.0)	P		Q	
<i>n</i>	0.17460382	ω	290.23566	+0.95963520		−0.26222982	
<i>a</i>	3.1702990	Ω	85.07359	+0.28071213		+0.87074345	
<i>e</i>	0.1622873	<i>i</i>	5.85677	+0.01734861		+0.41598240	
<i>P</i>	5.64	<i>H</i>	12.7	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

791218	095	0.0	0.3+	930317	809	0.8+	0.2−	961208	411	0.8+	0.0
901020	809	0.9+	1.1+	930318	809	0.1−	0.1−	961208	411	0.7+	0.0
901020	809	0.6−	0.6+	930323	809	0.5−	0.6+	961219	411	0.0	0.3+
901020	809	0.5+	1.4+	961202	411	0.4+	0.6−	961219	411	0.2−	0.3−
901024	809	0.2−	0.7−	961202	411	0.5−	0.2+	961229	411	0.2−	0.2−
901024	809	0.4−	0.5−	961203	411	0.6−	0.0	961229	411	0.1−	0.0
901024	809	0.3−	1.5−	961203	411	0.0	0.1+				

1996 XT₁ = 1994 LW₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	92.80877		(2000.0)	P		Q	
<i>n</i>	0.20189517	ω	271.20567	+0.98627465		+0.15550513	
<i>a</i>	2.8777436	Ω	79.85015	−0.11996235		+0.90584839	
<i>e</i>	0.0772009	<i>i</i>	3.23230	−0.11345193		+0.39402645	
<i>P</i>	4.88	<i>H</i>	13.2	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

940608	809	1.0+	0.1−	961202	411	0.4−	0.0	961211	411	0.4+	0.1−
940608	809	0.2−	0.0	961202	411	0.2−	0.3−	961211	411	0.0	0.1+
940608	809	0.4−	0.2−	961203	411	0.3+	0.3+	961228	411	0.0	0.3+
940609	809	2.0+	1.2+	961203	411	0.7−	0.1+	961228	411	0.2−	0.7−
940609	809	0.4−	0.6+	961208	411	0.2+	0.2+				
940609	809	2.1−	1.4−	961208	411	0.7+	0.3+				

1996 XW₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	312.78757		(2000.0)	P		Q	
<i>n</i>	0.43459250	ω	264.40913	−0.75850155		−0.44884198	
<i>a</i>	1.7261607	Ω	248.11096	+0.57750034		−0.79887629	
<i>e</i>	0.4544404	<i>i</i>	30.60820	−0.30194166		−0.40042171	
<i>P</i>	2.27	<i>H</i>	19.0	<i>G</i>	0.15	<i>U</i>	5

From 79 observations 1996 Dec. 2–1997 Jan. 14, mean residual 0^{''}.80.**1996 XB₂ = 1985 VE₂**

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Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	11.53583		(2000.0)	P		Q	
<i>n</i>	0.27357381	ω	158.34166	+0.42883516		−0.80485391	
<i>a</i>	2.3501001	Ω	264.17378	+0.75644786		+0.56818092	
<i>e</i>	0.2379909	<i>i</i>	24.35487	+0.49384922		−0.17140775	
<i>P</i>	3.60	<i>H</i>	14.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

851108	675	0.4−	0.2−	961203	108	0.2+	1.4−	961214	587	0.3−	0.2+
851108	675	0.2+	0.5−	961203	108	1.0−	0.8+	961214	587	0.6−	0.2+
851116	675	0.0	0.6+	961203	108	0.5+	0.5−	961215	587	0.6−	0.1+
851116	675	0.1+	0.2−	961205	587	0.6+	0.9−	961215	587	0.8−	0.1+
961202	587	0.7+	0.3+	961205	587	0.9+	0.3−	961229	587	0.2+	0.5−
961202	587	1.0+	0.5+	961205	108	0.5+	1.1+	961229	587	0.1+	0.1−
961202	587	0.2+	0.6+	961205	108	0.1−	0.3−	970110	587	0.5−	0.0
961203	108	0.2+	0.3−	961205	108	0.4−	0.3+	970110	587	0.4−	0.0

1996 XG₂ = 1977 DJ₆ = 1992 SY₂₆ = 1994 BN₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	274.75629		(2000.0)	P		Q	
<i>n</i>	0.28915583	ω	56.03805	−0.92826282		−0.37056080	
<i>a</i>	2.2648951	Ω	102.19388	+0.32959164		−0.85923671	
<i>e</i>	0.0490759	<i>i</i>	1.86586	+0.17232960		−0.35269956	
<i>P</i>	3.41	<i>H</i>	15.5	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

770219	381	0.8+	0.2+	940118	691	0.2+	0.1+	961214	595	0.8−	0.2−
770219	381	0.5−	0.6+	940118	691	0.1+	0.3+	961214	595	1.2−	0.2−
920929	691	0.4−	0.4+	961203	595	0.2+	0.8+	970107	595	0.6+	0.2−
920929	691	0.1−	0.5+	961203	595	0.0	0.3−	970107	595	0.9+	0.1+

920929 691 0.0 0.5+ 961204 595 0.1- 0.5+ 970108 595 0.5+ 0.8-
 940118 691 0.0 0.5+ 961205 595 0.2+ 0.4- 970108 595 0.3+ 0.5-

1996 XD₃ = 1991 JR₆ = 1995 OP₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	246.87120	ω	76.01439	-0.88898747	+0.45700497		
<i>a</i>	2.2699584	Ω	131.17085	-0.43366010	-0.81974074		
<i>e</i>	0.0670447	<i>i</i>	2.21672	-0.14710608	-0.34521237		
<i>P</i>	3.42	<i>H</i>	15.4	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

910512 809 0.3+ 0.1- 950801 691 0.2+ 0.4- 961212 411 0.1- 0.9-
 910512 809 0.5- 1.5- 950801 691 0.5+ 0.2- 961212 411 1.0- 1.7-
 910512 809 0.2- 0.8- 961203 411 1.0+ 0.2- 961219 411 0.5- 0.3-
 950727 691 0.1- 0.4- 961203 411 1.2+ 0.0 961219 411 0.6- 0.1-
 950727 691 0.1+ 0.4- 961206 411 1.0+ 0.3- 961228 411 0.4- 0.4-
 950727 691 0.0 0.5- 961206 411 1.0+ 0.2+ 961228 411 1.7- 0.5+
 950801 691 0.1+ 0.1- 961206 411 0.1+ 0.5-

1996 XQ₅ = 1991 GM₁₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	331.19243	ω	39.74888	-0.42502595	-0.90404843		
<i>a</i>	2.2010357	Ω	75.44631	+0.81813803	-0.40507310		
<i>e</i>	0.1012355	<i>i</i>	2.68074	+0.38730234	-0.13642659		
<i>P</i>	3.27	<i>H</i>	14.8	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

910411 033 0.3+ 0.4- 961208 411 0.5+ 0.5- 961219 411 0.1- 0.1-
 910411 033 0.4- 0.1- 961208 411 0.3+ 0.1- 961228 411 0.3- 0.4-
 910412 033 0.1+ 0.3+ 961212 411 0.5- 0.2- 961228 411 0.1+ 0.3+
 961207 411 0.2+ 0.2- 961212 411 0.6+ 0.4- 970112 411 0.1- 0.4+
 961207 411 0.6- 0.8+ 961219 411 0.0 0.1- 970112 411 0.2- 0.4+

1996 XT₅ = 1994 NY₃ = 1996 BO₁₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	342.62648	ω	180.23826	-0.34825741	-0.92639831		
<i>a</i>	2.9756550	Ω	290.14530	+0.86029880	-0.25519685		
<i>e</i>	0.0639226	<i>i</i>	8.77295	+0.37229390	-0.27687677		
<i>P</i>	5.13	<i>H</i>	12.9	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

940711 809 (0.2+ 2.3+) 960123 704 1.8+ 0.1- 961208 411 0.1- 0.1-
 940711 809 0.2- 1.7+ 960123 704 0.2+ 1.1+ 961208 411 0.1- 0.2+
 940711 809 0.5+ 2.0+ 960124 704 1.1- 0.2- 961214 411 0.7- 0.1+
 940712 809 0.5- 0.9- 960124 704 0.4- 0.3- 961214 411 0.5+ 0.3+
 940712 809 0.1- 1.6- 960124 704 0.9- 0.4- 961229 411 0.5+ 0.3-
 940712 809 (2.4- 1.2-) 961207 411 0.2- 0.4+ 961229 411 0.7+ 0.5+
 960123 704 0.5+ 0.5- 961207 411 0.7- 0.1+ 961229 411 0.2+ 0.1+

1996 XX₅ = 1992 EU₃₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	16.25776	ω	131.04940	+0.61426250	-0.78825003		
<i>a</i>	0.17384335	Ω	281.01475	+0.71232388	+0.57388321		
<i>e</i>	3.1795379	<i>i</i>	2.13999	+0.33952360	+0.22208096		
<i>P</i>	0.3122391	<i>H</i>	14.8	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920303 809 0.8- 0.0 961208 411 0.2+ 0.4- 961219 411 0.2+ 0.2+
 920306 809 0.8+ 0.0 961208 411 0.1- 0.2+ 961219 411 0.1- 0.4-
 961207 411 0.9- 0.1- 961212 411 0.7+ 0.4- 961228 411 0.7- 0.5+
 961207 411 0.0 0.9+ 961212 411 0.2+ 0.1- 961228 411 0.4+ 0.3-

1996 XY₅ = 1980 WG₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	41.04544	ω	301.86941	+0.87188173	-0.47656285		
<i>a</i>	0.12573559	Ω	86.81170	+0.47875202	+0.78102461		
<i>e</i>	3.9460619	<i>i</i>	6.48331	+0.10304736	+0.40359435		
<i>P</i>	0.2308303	<i>H</i>	12.3	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

801130 095 0.3+ 1.3- 961208 411 0.4- 0.2- 961219 411 0.3+ 0.2-
 801210 095 0.3- 1.3+ 961212 411 0.1- 0.1- 961219 411 0.5- 0.0
 961207 411 0.0 0.0 961212 411 0.2- 0.3+ 961228 411 0.1+ 0.1+
 961207 411 0.3+ 0.0 961214 411 0.4- 0.3+ 961228 411 0.5+ 0.6-
 961208 411 0.0 0.0 961214 411 0.4+ 0.5+

1996 XA₆ = 1990 RK₁₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	93.79245	ω	44.08395	+0.95523778	+0.27810478		
<i>a</i>	0.19267601	Ω	299.51734	-0.29322821	+0.84484286		
<i>e</i>	2.9688229	<i>i</i>	6.65764	-0.03921734	+0.45705390		
<i>P</i>	0.1382355	<i>H</i>	12.0	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

900915 095 1.7+ 1.1- 961208 411 0.0 0.6+ 961228 411 0.1+ 0.5-
 900923 095 1.7- 1.1+ 961208 411 0.0 0.1+ 961228 411 0.7- 0.1-
 961207 411 0.5- 0.2+ 961214 411 0.1+ 0.4+
 961207 411 0.1+ 0.4- 961214 411 0.8+ 0.4-

1996 XD₆ = 1990 WB₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>		(2000.0)		P		Q	
<i>n</i>	0.22791	ω	7.51025	-0.02003998	-0.95285242		
<i>a</i>	0.17409028	Ω	83.99166	+0.90074268	-0.14862926		
<i>e</i>	3.1765306	<i>i</i>	17.72472	+0.43389056	+0.26454038		
<i>P</i>	0.0973850	<i>H</i>	13.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

901114 675 0.4- 0.7+ 901122 809 0.6+ 0.2- 961212 411 0.3- 0.4-
 901114 675 2.0- 0.7- 901122 809 (4.7- 0.3+) 961212 411 0.5- 0.3+
 901116 809 (2.1+ 4.4-) 901122 809 (5.1- 2.1+) 961214 411 0.1- 0.2-
 901117 809 (4.0+ 4.2-) 961207 411 0.9+ 0.3- 961214 411 0.7- 0.2+
 901121 809 0.1+ 0.4+ 961207 411 0.4+ 0.3- 961228 411 0.1+ 0.1-

901121 809 0.3+ 0.0 961208 411 0.3+ 0.1− 961228 411 0.6− 0.4+
 901121 809 1.4+ 0.2− 961208 411 0.4+ 0.6+

1996 XQ₁₁ = 1993 FS₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	15.09553		(2000.0)	P	Q
<i>n</i>	0.21541342	ω	0.23801	+0.27211422	−0.96042484
<i>a</i>	2.7560529	Ω	73.97233	+0.88275855	+0.22455050
<i>e</i>	0.1833053	<i>i</i>	3.54810	+0.38300287	+0.16480656
<i>P</i>	4.58	<i>H</i>	14.7	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

930317 809	0.2−	0.5+	961204 691	0.8+	0.1+	961214 691	0.2+	0.4−
930318 809	0.5+	1.1−	961209 691	0.7−	0.2+	961214 691	0.2+	0.3−
930323 809	0.4−	0.7+	961209 691	0.8−	0.1+	970102 411	1.1+	0.2−
961204 691	0.2+	0.1+	961209 691	0.9+	0.1−	970102 411	0.8−	0.7+
961204 691	0.1−	0.0	961214 691	0.9−	0.2−			

1996 XY₁₁ = 1993 FR₃₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	236.05589		(2000.0)	P	Q
<i>n</i>	0.20556505	ω	153.78387	−0.67162273	+0.73901595
<i>a</i>	2.8433906	Ω	73.97426	−0.68902958	−0.59687551
<i>e</i>	0.0077566	<i>i</i>	3.14374	−0.27232543	−0.31240206
<i>P</i>	4.79	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

930319 809	0.2−	1.2−	961204 691	0.3+	0.5−	961211 691	0.3−	0.5+
930320 809	0.5+	0.2+	961209 691	0.0	0.1−	961211 691	0.1+	0.1−
930324 809	0.3−	1.0+	961209 691	0.1−	0.2−	970114 566	0.1+	0.1−
961204 691	0.3+	0.1−	961209 691	0.1−	0.3+	970114 566	0.3+	0.0
961204 691	0.4−	0.2−	961211 691	0.2−	0.6+	970114 566	0.0	0.0

1996 XW₁₂ = 1994 BR

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	49.33357		(2000.0)	P	Q
<i>n</i>	0.26963041	ω	266.20653	+0.98669371	+0.09646930
<i>a</i>	2.3729585	Ω	88.22480	−0.03681568	+0.91661428
<i>e</i>	0.1511195	<i>i</i>	7.52399	−0.15836705	+0.38795867
<i>P</i>	3.66	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

940117 098	0.5+	0.8−	961208 691	0.4−	0.2+	961209 691	0.2+	0.2+
940117 098	0.6+	1.2−	961209 691	0.4+	1.0−	961218 691	0.0	0.0
940118 098	1.0−	1.7+	961209 691	0.1+	0.2+	961218 691	0.4+	0.1−
940119 098	0.0	0.3+	961209 691	0.6+	0.2−	961218 691	0.2+	0.3−
961208 691	0.7−	0.5+	961209 691	0.2−	0.1−			
961208 691	0.5−	0.5+	961209 691	0.1+	0.1+			

1996 XX₁₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	3.63772		(2000.0)	P	Q
<i>n</i>	0.24301316	ω	184.94634	+0.93614632	−0.34808192
<i>a</i>	2.5432137	Ω	195.70406	+0.32856575	+0.91633071
<i>e</i>	0.6510525	<i>i</i>	10.57837	+0.12519828	+0.19793180
<i>P</i>	4.06	<i>H</i>	19.5	<i>G</i> 0.15	<i>U</i> 6

From 46 observations 1996 Dec. 11–1997 Jan. 14, mean residual 0″.70.

1996 XT₁₆ = 1989 YW₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	319.30030		(2000.0)	P	Q
<i>n</i>	0.26924401	ω	220.85297	−0.37894140	−0.92507381
<i>a</i>	2.3752283	Ω	251.42887	+0.85585952	−0.33991266
<i>e</i>	0.1588761	<i>i</i>	1.53152	+0.35200555	−0.16940435
<i>P</i>	3.66	<i>H</i>	16.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

891230 413	0.5+	0.1−	961204 691	0.2−	0.0	961217 691	0.1+	0.1+
891230 413	(5.6−	1.5+)	961212 691	0.3−	0.1+	961217 691	1.1+	0.2−
891231 413	0.4−	0.3+	961212 691	0.2−	0.0	970112 691	0.0	0.5−
961204 691	0.3+	0.5+	961212 691	0.6−	0.1−	970112 691	0.1−	0.1−
961204 691	0.1+	0.2+	961217 691	0.1−	0.1−	970112 691	0.1+	0.1−

1996 XA₁₈ = 1994 JA₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	262.25041		(2000.0)	P	Q
<i>n</i>	0.23456072	ω	112.89949	−0.97813732	−0.18928318
<i>a</i>	2.6039493	Ω	56.29106	+0.13160484	−0.88411086
<i>e</i>	0.1248562	<i>i</i>	5.94331	+0.16102036	−0.42722343
<i>P</i>	4.20	<i>H</i>	15.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

940511 691	0.4−	0.1−	961207 691	0.2−	0.0	961215 691	0.1−	0.2−
940511 691	0.2−	0.1−	961207 691	0.2−	0.0	961215 691	0.1+	0.0
940511 691	0.1−	0.1−	961207 691	0.2−	0.1−	961215 691	0.2+	0.1+
940517 691	0.2+	0.0	961212 691	0.2−	0.3+	961231 691	0.1+	0.4+
940517 691	0.3+	0.2+	961212 691	0.6+	0.4−	961231 691	0.1−	0.0
940517 691	0.2+	0.1+	961212 691	0.5+	0.2−	961231 691	0.5−	0.0

1996 XW₁₈ = 1995 QD₁₀

Id. S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	154.36280		(2000.0)	P	Q
<i>n</i>	0.28321539	ω	192.02809	+0.60676843	+0.78543699
<i>a</i>	2.2964561	Ω	115.45290	−0.71761418	+0.60737140
<i>e</i>	0.1308886	<i>i</i>	7.77489	−0.34185080	+0.11911642
<i>P</i>	3.48	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

950821 372	0.1+	1.4−	961213 046	0.4−	0.2−	970102 411	0.1+	0.1−
950821 372	0.4−	2.1+	961213 046	0.3−	0.0	970102 411	0.6+	0.3−
950822 372	0.6+	1.1−	961213 046	0.1+	0.4+	970103 411	0.6−	1.6−
950822 372	(2.5+	1.5+)	961213 046	0.2−	0.3+	970103 411	0.3+	1.2−
950831 372	(4.8−	2.6−)	961213 046	0.0	0.3+	970108 046	0.0	0.1+
950831 372	0.3−	0.2+	961217 046	0.4−	0.3−	970108 046	0.0	0.2+
961212 046	0.5+	0.1+	961217 046	0.5−	0.1−	970108 046	0.1+	0.0
961212 046	0.1+	0.2+	961217 046	0.2−	0.2−	970112 046	0.1−	0.4+
961212 046	0.1−	0.2+	961222 046	0.0	0.2+	970113 046	0.0	0.3+
961212 046	0.6+	0.2+	961222 046	0.4+	0.2+	970113 046	0.0	0.6+
961212 046	0.3+	0.1+	961222 046	0.4−	0.2+			

1996 XG₁₉ = 1992 SW₂₆ = 1995 NQ

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	313.13822		(2000.0)	P		Q	
<i>n</i>	0.29249181	ω	345.67449	-0.75445540	-0.65583627		
<i>a</i>	2.2476408	Ω	153.28707	+0.60773940	-0.71298850		
<i>e</i>	0.1083695	<i>i</i>	3.31539	+0.24789084	-0.24804474		
<i>P</i>	3.37	<i>H</i>	14.5	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

920923 691	0.0	0.0	961208 411	0.3-	0.2-	961228 411	0.2-	0.4+
920923 691	0.0	0.1-	961208 411	0.0	0.1+	961228 411	0.5+	0.1+
920923 691	0.2+	0.3-	961211 411	0.1-	0.0	970113 411	0.2+	0.5+
950702 691	0.2-	0.6+	961211 411	0.0	0.0	970113 411	1.3+	0.5+
950702 691	0.1-	0.3+	961218 411	1.3-	0.1-			
950702 691	0.0	0.5+	961218 411	0.1+	0.2-			

1996 XT₁₉ = 1992 SL₁₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	303.12221		(2000.0)	P		Q	
<i>n</i>	0.30252741	ω	260.78687	-0.82188468	-0.56874126		
<i>a</i>	2.1976552	Ω	244.54421	+0.53566321	-0.75235237		
<i>e</i>	0.0560730	<i>i</i>	2.04581	+0.19383114	-0.33241433		
<i>P</i>	3.26	<i>H</i>	14.4	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920922 809	0.6+	1.5-	961211 411	0.5+	0.2+	961219 411	0.6-	0.5-
920922 809	0.1+	0.0	961211 411	0.9+	0.2+	961219 411	0.4-	0.4+
920922 809	0.5+	0.3-	961212 411	0.1-	0.0	961228 411	0.1-	0.2-
920923 809	0.3-	1.1+	961212 411	0.3+	0.2+	961228 411	0.0	0.4-
920923 809	0.3+	0.2+	961218 411	0.6-	0.4+	970113 411	0.1-	0.1-
920923 809	1.2-	0.3+	961218 411	0.0	0.1+	970113 411	0.3+	0.2-

1996 XV₁₉ = 1929 UF = 1956 PA = 1972 TA₈ = 1976 UN₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	93.51189		(2000.0)	P		Q	
<i>n</i>	0.25218677	ω	151.19739	+0.92605011	+0.37738049		
<i>a</i>	2.4811585	Ω	186.63465	-0.35239650	+0.86095710		
<i>e</i>	0.1913012	<i>i</i>	1.93135	-0.13508478	+0.34108187		
<i>P</i>	3.91	<i>H</i>	12.8	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

291026 690	2.0-	0.5-	961211 411	0.6-	0.9+	961229 411	0.4-	0.2-
291027 690	2.1+	0.3-	961212 411	0.3+	1.2+	961229 411	0.3-	0.2-
560808 024	0.5-	2.8+	961212 411	0.3-	0.5+	970113 411	0.0	0.1-
721006 095	1.9-	0.3-	961221 411	0.3+	0.3+	970113 411	0.3-	0.0
761030 095	2.4+	1.1-	961221 411	0.9+	0.1+			
961211 411	1.0+	1.3+	961228 411	0.5-	0.5+			

1996 XW₁₉ = 1987 KW₃ = 1992 UO₁₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	345.78351		(2000.0)	P		Q	
<i>n</i>	0.27332994	ω	206.31282	-0.25252208	-0.96036938		
<i>a</i>	2.3514978	Ω	258.50122	+0.90762749	-0.19284220		
<i>e</i>	0.1493998	<i>i</i>	6.91597	+0.33532811	-0.20125240		
<i>P</i>	3.61	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	3

Residuals in seconds of arc

870530 413	0.1+	0.3-	921102 399	0.2-	0.9+	961219 411	0.2-	0.4+
870530 413	0.2-	0.6-	921214 010	0.5+	2.3-	961229 411	0.1+	0.1+
921019 399	1.5-	1.4-	961211 411	0.4+	0.3+	961229 411	0.0	0.2+
921019 399	0.2-	0.2+	961211 411	0.2+	0.3+	970113 411	0.2-	0.8-
921022 399	0.5+	0.0	961212 411	0.5-	0.2+	970113 411	0.4+	0.5-
921022 399	1.9+	1.2+	961212 411	0.2-	0.2+			
921102 399	0.6-	0.0	961219 411	0.1-	0.3-			

1996 XX₁₉ = 1992 PQ₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	74.32752		(2000.0)	P		Q	
<i>n</i>	0.29396379	ω	250.91218	+0.99073751	+0.11725808		
<i>a</i>	2.2401314	Ω	102.30860	-0.08240943	+0.92002772		
<i>e</i>	0.1606552	<i>i</i>	4.01931	-0.10792527	+0.37389777		
<i>P</i>	3.35	<i>H</i>	14.3	<i>G</i>	0.15	<i>U</i>	5

Residuals in seconds of arc

920805 675	0.3+	0.2-	961212 411	0.1-	0.6-	961219 411	1.0+	0.1-
920805 675	0.5+	0.3-	961212 411	0.3+	0.0	961229 411	0.2-	0.2-
920806 675	0.3+	0.1-	961213 411	0.3-	0.2+	961229 411	0.2-	0.5+
920806 675	1.1-	0.7+	961213 411	0.4+	0.3-	970113 411	0.0	0.1-
961212 411	0.3-	0.2+	961219 411	0.4+	0.2-	970113 411	1.0-	0.4+

1996 XG₂₀ = 1991 TJ₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	22.58034		(2000.0)	P		Q	
<i>n</i>	0.21001533	ω	127.57314	+0.90672622	-0.42031855		
<i>a</i>	2.8030793	Ω	257.30486	+0.37497160	+0.84080904		
<i>e</i>	0.1600510	<i>i</i>	2.01781	+0.19298668	+0.34113411		
<i>P</i>	4.69	<i>H</i>	16.0	<i>G</i>	0.15	<i>U</i>	4

Residuals in seconds of arc

911003 033	0.6-	0.6-	961204 691	0.3+	0.1+	961217 691	0.5-	0.2+
911004 033	0.2+	0.1-	961213 691	0.2-	0.2+	961217 691	0.7+	0.1-
911004 033	0.4+	0.7+	961213 691	0.1+	0.2-	970112 691	0.2+	0.3-
961204 691	0.1+	0.1-	961213 691	0.1+	0.1+	970112 691	0.2-	0.2+
961204 691	0.0	0.1-	961217 691	0.6-	0.2-	970112 691	0.1+	0.2+

1996 XR₂₅ = 1975 US = 1977 EP₄ = 1992 PP₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

<i>M</i>	18.12598		(2000.0)	P		Q	
<i>n</i>	0.28444396	ω	267.73597	+0.73722746	-0.67314699		
<i>a</i>	2.2898388	Ω	134.56720	+0.64775739	+0.67975976		
<i>e</i>	0.0928735	<i>i</i>	4.67305	+0.19210943	+0.29120404		
<i>P</i>	3.47	<i>H</i>	13.6	<i>G</i>	0.15	<i>U</i>	2

Residuals in seconds of arc

751030 033	0.5+	0.9-	920806 675	0.2-	0.3+	961208 372	1.2+	0.3-
751031 033	0.2+	1.2-	961202 399	0.4-	0.4+	961208 372	0.9+	0.4-
770315 381	0.4-	0.9-	961202 399	0.9-	0.5-	961209 372	(3.2+	0.8-)
770315 381	0.5-	1.5-	961206 399	1.2-	1.3-	961209 372	(3.4+	0.4-)
920803 675	0.1-	0.1+	961206 399	1.9-	1.1-	961212 372	1.2+	1.1+
920803 675	0.4+	0.6-	961207 399	0.2-	0.8+	961215 399	0.4+	0.2+
920806 675	0.2+	0.4-	961207 399	0.5+	0.4+	961215 399	0.3+	1.5+

1996 XZ₂₅ = 1979 YC₄ = 1986 AY₁ = 1990 WO₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	45.75531		(2000.0)	P	Q
<i>n</i>	0.17897031	ω	293.07015	+0.72416225	-0.66035833
<i>a</i>	3.1185213	Ω	108.89156	+0.68424980	+0.65208115
<i>e</i>	0.1318397	<i>i</i>	12.12843	+0.08597234	+0.37244738
<i>P</i>	5.51	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

791218 095	0.5-	0.5+	901123 809	0.5-	0.5-	961218 684	0.0	0.1+
860112 688	0.7+	0.7+	961214 684	0.3+	0.1+	961218 684	0.1-	0.1+
860112 688	0.3-	1.4-	961214 684	0.3+	0.1+	970101 684	0.2-	0.8+
901117 809	0.4+	0.8+	961215 684	0.0	0.0	970101 684	0.2+	0.7+
901117 809	0.5+	0.1+	961215 684	0.1+	0.2+	970104 684	0.4-	0.3-
901117 809	0.7-	0.8+	961215 684	0.1+	0.0	970104 684	0.3-	0.5-
901123 809	0.5+	1.2-	961217 684	0.2+	0.2+	970104 684	0.3-	0.4-
901123 809	0.2+	0.4-	961217 684	0.2+	0.0	970104 684	0.4-	0.4-

1996 XH₂₆ = 1994 HT

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	359.97423		(2000.0)	P	Q
<i>n</i>	0.27508312	ω	250.76561	-0.02141873	-0.99976453
<i>a</i>	2.3414960	Ω	200.46262	+0.92097165	-0.01837522
<i>e</i>	0.1074838	<i>i</i>	0.57067	+0.38904043	-0.01154284
<i>P</i>	3.58	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

940416 691	0.1-	0.1+	940419 691	0.2+	0.1-	961217 684	0.2-	0.2-
940416 691	0.4-	0.3-	961215 684	0.3+	0.2+	961218 684	0.3-	0.1+
940416 691	0.2-	0.0	961215 684	0.2+	0.0	961218 684	0.0	0.0
940419 691	0.3+	0.2+	961217 684	0.3-	0.2-	970108 684	0.2+	0.2+
940419 691	0.2+	0.0	961217 684	0.0	0.2-	970108 684	0.1+	0.2+

1996 XV₂₈ = 1992 OK₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	28.63483		(2000.0)	P	Q
<i>n</i>	0.27125235	ω	109.03793	+0.97864988	-0.20429996
<i>a</i>	2.3634897	Ω	262.75546	+0.17902016	+0.90104720
<i>e</i>	0.2225975	<i>i</i>	1.29923	+0.10097616	+0.38259048
<i>P</i>	3.63	<i>H</i>	16.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

920730 809	0.2-	0.4-	961212 691	0.0	0.1-	961217 691	0.4+	0.1+
920730 809	0.2-	0.8+	961212 691	0.1-	0.0	961217 691	0.6+	0.1-
920730 809	0.8+	0.0	961212 691	0.2+	0.1-	970110 691	0.0	0.0
920731 809	1.3+	0.1+	961215 691	0.3-	0.2-	970110 691	0.1-	0.2+
920731 809	0.1+	0.2-	961215 691	0.3-	0.3+	970110 691	0.0	0.1-
920731 809	1.7-	0.1-	961215 691	0.4-	0.0			

1996 XT₃₀ = 1982 JR₄ = 1987 FD₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	209.67112		(2000.0)	P	Q
<i>n</i>	0.17396203	ω	148.82972	-0.62292456	+0.71907116
<i>a</i>	3.1780916	Ω	80.74576	-0.76651929	-0.48239867
<i>e</i>	0.0939809	<i>i</i>	18.18725	-0.15624712	-0.50022814
<i>P</i>	5.67	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

820515 095	0.2+	0.3+	961206 905	0.2+	0.9-	961215 905	0.0	2.0-
870328 675	0.4-	0.0	961214 385	0.4+	0.1-	970106 385	0.1-	1.3+
870328 675	0.2+	0.3-	961214 385	0.3-	0.3+	970106 385	0.0	0.9+
870403 675(12.9-	2.3-		961214 385	0.1-	0.4+	970106 385	0.3+	0.9+
870403 675(11.4-	1.6-		961215 905	0.3+	0.7-			
961206 905	0.2+	0.2+	961215 905	1.0-	0.3+			

1996 XU₃₀ = 1978 WS₁₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

<i>M</i>	357.53082		(2000.0)	P	Q
<i>n</i>	0.27518827	ω	189.05410	+0.31086830	-0.93955738
<i>a</i>	2.3408995	Ω	242.94470	+0.88179976	+0.34144776
<i>e</i>	0.0971620	<i>i</i>	9.27280	+0.35466897	-0.02540382
<i>P</i>	3.58	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

781130 675	0.3-	0.2-	961214 905	0.2+	0.1+	970107 385	0.4-	0.3+
781201 675	0.3+	0.2+	961214 905	1.1-	0.0	970107 385	0.7+	0.4-
961212 905	0.4+	0.3-	970106 385	0.3-	0.2-			
961212 905	0.6+	0.3+	970106 385	0.1+	0.2+			

1996 XW₃₀ = 1989 SB₈ = 1991 CR₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	153.34066		(2000.0)	P	Q
<i>n</i>	0.30903636	ω	32.38175	+0.40422033	+0.91230814
<i>a</i>	2.1666877	Ω	261.53354	-0.85267620	+0.34991506
<i>e</i>	0.1181588	<i>i</i>	3.80122	-0.33098221	+0.21272823
<i>P</i>	3.19	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

890927 675	0.4-	0.3-	910208 675	0.0	0.0	961216 411	0.1+	0.1+
890928 675	0.5+	0.4-	910208 675	0.0	0.1+	961229 411	0.3+	0.5+
890928 675	0.3+	0.7+	961214 411	0.8-	0.1-	961229 411	0.3+	0.1-
890929 675	0.2-	0.1+	961214 411	0.6+	0.0	970113 411	0.4-	0.3-
890929 675	0.1-	0.2-	961216 411	0.2+	0.0	970113 411	0.3-	0.3-

1996 XX₃₀ = 1979 VN₃ = 1991 PH₁₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	16.24063		(2000.0)	P	Q
<i>n</i>	0.23509072	ω	183.85688	+0.41977100	-0.90590877
<i>a</i>	2.6000342	Ω	241.33055	+0.83442880	+0.40940349
<i>e</i>	0.2125578	<i>i</i>	3.65095	+0.35710065	+0.10825008
<i>P</i>	4.19	<i>H</i>	14.1	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

791114 095	0.0	0.5-	961214 411	0.0	0.5+	961221 411	0.1+	0.1+
910809 675	0.5-	0.7-	961214 411	0.1+	0.3+	961229 411	0.3+	0.1-
910809 675	0.2+	1.0+	961216 411	0.4-	0.3+	961229 411	0.4+	0.4-
910810 675	0.5-	0.5+	961216 411	0.3-	0.0	970113 411	0.2+	0.2+
910810 675	0.6+	0.4-	961221 411	0.0	0.0	970113 411	0.2-	0.2-

1996 XH₃₁ = 1992 WW

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	20.91450		(2000.0)	P	Q
<i>n</i>	0.26475060	ω	147.36218	+0.51066745	-0.85931897
<i>a</i>	2.4020281	Ω	271.91532	+0.78267656	+0.47815211
<i>e</i>	0.1805809	<i>i</i>	1.61118	+0.35585975	+0.18149785
<i>P</i>	3.72	<i>H</i>	14.4	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

921117 402	0.7-	0.4+	961216 411	0.4+	0.0	970110 905	0.3+	0.5-
921117 402	0.5+	0.0	961216 411	0.3+	0.1-	970110 905	0.3+	0.2-
921118 402	0.4+	1.1-	961229 411	0.1+	0.8+	970113 411	0.1+	0.5+
921118 402	0.1-	0.6+	961229 411	0.3-	0.8+	970113 411	0.6-	0.5+
961214 411	0.3-	0.0	970109 905	1.2-	0.5-			
961214 411	0.3-	0.4-	970109 905	1.2+	0.9-			

1996 XL₃₁ = 1983 CB₅ = 1989 YK₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	253.18014		(2000.0)	P	Q
<i>n</i>	0.27708729	ω	73.41339	-0.82892445	+0.55759938
<i>a</i>	2.3301917	Ω	140.44608	-0.53608809	-0.76930149
<i>e</i>	0.1065640	<i>i</i>	3.99385	-0.15966785	-0.31186239
<i>P</i>	3.56	<i>H</i>	13.9	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

830214 381	0.0	0.2-	961214 411	0.2+	0.2-	961229 411	1.1-	0.3-
891230 413	0.4+	0.2-	961214 411	0.4-	0.2+	970113 411	0.0	0.2+
891230 413	0.2-	0.0	961216 411	0.0	0.0	970113 411	0.6+	0.1+
891231 413	0.5-	0.5-	961216 411	0.1+	0.7+			
891231 413	0.5+	1.2+	961229 411	0.5+	1.1-			

1996 XA₃₂ = 9060 P-L

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	214.22678		(2000.0)	P	Q
<i>n</i>	0.27829619	ω	301.09792	-0.83181000	+0.55445285
<i>a</i>	2.3234386	Ω	272.58712	-0.49999563	-0.76878306
<i>e</i>	0.0757840	<i>i</i>	1.48935	-0.24103215	-0.31867639
<i>P</i>	3.54	<i>H</i>	14.2	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

601017 675	0.1-	1.0+	961214 369	0.3+	0.1-	961229 369	0.4-	0.3-
601022 675	0.5-	0.1-	961219 369	0.6+	0.5-	970102 369	0.1-	1.1+
601024 675	0.8+	0.8-	961219 369	0.6-	0.1-	970102 369	0.5+	0.0
601026 675	0.2-	0.1-	961229 369	0.5-	0.3-			
961214 369	0.0	0.0	961229 369	0.3+	0.2+			

1996 XG₃₂ = 1981 JB = 1991 CE₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	184.50003		(2000.0)	P	Q
<i>n</i>	0.29194770	ω	8.84899	-0.43824664	+0.89841904
<i>a</i>	2.2504326	Ω	235.16362	-0.82675534	-0.41511558
<i>e</i>	0.1340930	<i>i</i>	1.95385	-0.35272581	-0.14325604
<i>P</i>	3.38	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

810502 688	0.8-	1.0-	961206 098	0.1-	0.7+	970109 327	0.2-	0.1+
810502 688	0.0	1.0-	961206 098	0.2+	0.6+	970111 327	0.3+	0.1+
910210 675	0.0	1.3+	961208 098	0.8-	1.8-	970111 327	0.5-	0.0

910210 675	0.6+	0.3+	961208 098	0.5+	1.5-	970111 327	0.3-	0.4+
961204 098	0.1+	0.7-	970109 327	0.2-	0.0			
961204 098	0.9+	0.5+	970109 327	0.0	0.1+			

1996 XS₃₂ = 1977 EN₂ = 1989 BU = 1991 PD₂₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	346.45943		(2000.0)	P	Q
<i>n</i>	0.24220306	ω	295.09952	-0.02055347	-0.99898127
<i>a</i>	2.5488814	Ω	155.97508	+0.94916182	-0.03212172
<i>e</i>	0.1967855	<i>i</i>	5.66294	+0.31411685	+0.03169576
<i>P</i>	4.07	<i>H</i>	13.7	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

770312 381	0.7+	0.1-	890206 897	0.3+	0.9+	961206 399	0.2-	1.3+
770312 381	0.4+	0.5-	890206 897	1.1-	0.3-	961215 399	1.3+	0.6-
770315 381	0.7+	0.5+	910805 809	0.8+	0.2-	961215 399	1.2+	0.2-
770315 381	1.0-	0.5+	910805 809	0.3-	0.1+	970109 399	1.1-	0.5-
890128 897	0.5-	1.6-	910805 809	0.5-	1.0-	970109 399	0.4+	0.2-
890128 897	0.1-	0.6-	961206 399	0.9-	1.0+			

1996 YD = 1984 HE₂ = 1994 ET₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	325.50064		(2000.0)	P	Q
<i>n</i>	0.29026403	ω	87.14181	-0.65361441	-0.75623456
<i>a</i>	2.2591266	Ω	43.72200	+0.67601893	-0.60116553
<i>e</i>	0.0901792	<i>i</i>	2.48424	+0.34027432	-0.25828142
<i>P</i>	3.40	<i>H</i>	13.7	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

840429 809	1.1+	0.5+	940314 372	0.0	0.7-	961221 411	0.4+	0.4-
840429 809	0.4+	0.5+	940317 372	0.4+	1.0+	961229 411	0.5-	0.1+
840502 809	0.8-	0.1-	961220 411	0.1-	1.0-	961229 411	0.7-	0.1-
840502 809	0.8-	0.9-	961220 411	0.3+	0.3+	970107 411	0.3+	0.3+
940314 372	0.4-	0.4-	961221 411	0.5+	0.1+	970107 411	0.2-	0.6+

1996 YF = 1980 BU₃ = 1989 WJ₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	9.78134		(2000.0)	P	Q
<i>n</i>	0.29058867	ω	358.03658	+0.24179781	-0.96541167
<i>a</i>	2.2574437	Ω	77.96088	+0.89161100	+0.18139623
<i>e</i>	0.1208349	<i>i</i>	5.72385	+0.38283632	+0.18728513
<i>P</i>	3.39	<i>H</i>	13.8	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

800122 095	0.0	0.2+	961220 411	0.1-	0.5-	961230 411	0.1-	0.5+
891126 364	0.9-	1.8+	961220 411	0.6+	0.5-	970107 411	0.4-	0.2+
891126 364	0.6+	1.4-	961221 411	0.2+	0.5-	970107 411	0.1+	0.3+
891201 364	0.4+	1.1+	961221 411	0.1-	0.3-			
891201 364	0.1-	1.3-	961230 411	0.2-	0.5+			

1996 YJ = 1989 YR₁ = 1992 SX₂₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	69.78559		(2000.0)	P	Q
<i>n</i>	0.27796787	ω	89.64604	+0.97695114	-0.18463330
<i>a</i>	2.3252678	Ω	280.99160	+0.12490995	+0.90143985
<i>e</i>	0.1357916	<i>i</i>	6.26533	+0.17310106	+0.39155683
<i>P</i>	3.55	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

891230 413	(5.4− 0.1+)	920930 675	0.1+ 0.5−	961230 411	0.7− 0.3−
891230 413	0.0 0.3+	961220 411	0.1− 0.2−	961230 411	0.4− 0.1+
891231 413	0.2+ 0.4+	961220 411	0.5+ 0.0	970107 411	0.5+ 0.5−
891231 413	(2.9− 0.9+)	961221 411	0.7+ 0.6+	970107 411	0.2− 0.4−
920930 675	0.1− 0.6+	961221 411	0.5− 0.0		

1996 YK = 1989 VO₅ = 1992 EX₁₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	108.25866		(2000.0)	P	Q
<i>n</i>	0.16767329	ω	156.50909	+0.96311097	+0.26910232
<i>a</i>	3.2570677	Ω	187.88029	−0.24815087	+0.88653316
<i>e</i>	0.1195218	<i>i</i>	0.45880	−0.10410766	+0.37635475
<i>P</i>	5.88	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

891103 675	1.3− 0.1−	920303 809	1.3− 0.5−	961221 411	0.8− 0.5+
891103 675	0.1− 1.1+	920306 809	0.8+ 1.1−	970102 411	1.3+ 0.1−
891104 675	1.3+ 1.1−	961220 411	0.2+ 0.2+	970102 411	0.3+ 0.4−
891104 675	0.7+ 1.5−	961220 411	0.3− 1.2+	970107 411	0.8− 0.1+
920301 809	0.3− 0.4−	961221 411	0.0 0.0	970107 411	0.4+ 0.2+

1996 YM = 1991 LA₇ = 1992 WS₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	43.98884		(2000.0)	P	Q
<i>n</i>	0.26335455	ω	299.85170	+0.88261495	−0.46604893
<i>a</i>	2.4105094	Ω	87.98761	+0.44976132	+0.79906740
<i>e</i>	0.2083693	<i>i</i>	3.53136	+0.13676843	+0.37985482
<i>P</i>	3.74	<i>H</i>	13.8	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

910608 809	0.8+ 0.9−	961220 411	0.2− 1.1+	961229 411	0.3− 0.0
910608 809	0.0 0.2+	961220 411	0.6− 0.5+	970107 411	0.1+ 0.6−
910608 809	0.9− 0.2+	961221 411	0.2+ 0.4+	970107 411	0.5+ 0.6−
921121 399	0.0 0.8−	961221 411	0.2+ 0.0		
921121 399	0.1+ 0.2+	961229 411	0.2+ 0.7−		

1996 YO = 1979 OA₁ = 1992 OD₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	5.07285		(2000.0)	P	Q
<i>n</i>	0.30783837	ω	192.55441	+0.09146330	−0.99520791
<i>a</i>	2.1723054	Ω	252.20565	+0.91674769	+0.09771041
<i>e</i>	0.0903869	<i>i</i>	2.08121	+0.38885491	+0.00372684
<i>P</i>	3.20	<i>H</i>	14.9	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

790724 675	(5.8− 1.4−)	920731 809	0.4+ 1.0+	961221 411	0.1+ 0.3−
790724 413	0.7+ 0.9−	920731 809	0.3− 0.3+	961230 411	0.2− 0.4+
790725 675	0.6− 0.2+	920731 809	0.5− 0.5+	961230 411	0.2+ 0.0
920730 809	0.4+ 0.6−	961220 411	0.3− 0.4−	970107 411	0.2+ 0.1−
920730 809	0.4+ 0.1+	961220 411	0.2+ 0.2−	970107 411	0.1+ 0.7+
920730 809	0.4− 0.8−	961221 411	0.4− 0.4−		

1996 YR = 1989 VX₄ = 1994 CF₁₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	38.69522		(2000.0)	P	Q
<i>n</i>	0.29433248	ω	298.16444	+0.77631401	−0.61866559
<i>a</i>	2.2382603	Ω	100.31096	+0.61279510	+0.69581026
<i>e</i>	0.1670537	<i>i</i>	7.05196	+0.14771165	+0.36483007
<i>P</i>	3.35	<i>H</i>	15.3	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

891106 809	0.5+ 0.3−	961220 411	0.2− 0.2+	970107 411	0.0 0.5−
891106 809	0.2− 0.2+	961220 411	0.1− 0.5+	970107 411	0.1+ 1.3−
891106 809	0.3− 0.0	961221 411	0.5− 0.8−	970112 566	0.1− 0.3+
940213 809	0.6+ 0.2−	961221 411	0.8+ 0.1+	970112 566	0.4+ 0.2+
940213 809	1.0− 0.7+	961230 411	0.0 0.3+	970112 566	0.1− 0.2+
940213 809	0.4+ 0.5−	961230 411	0.3− 1.0+		

1996 YY = 1986 QF₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	238.48118		(2000.0)	P	Q
<i>n</i>	0.24191222	ω	318.55061	−0.39938667	+0.90097850
<i>a</i>	2.5509240	Ω	287.28072	−0.78745497	−0.43180685
<i>e</i>	0.2589791	<i>i</i>	10.22452	−0.46947306	−0.04219700
<i>P</i>	4.07	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

860829 095	1.8− 0.7+	961220 411	0.5+ 0.3+	961230 411	0.2− 0.1+
860906 095	1.1+ 1.8+	961221 411	0.3− 0.2+	970107 411	0.2+ 0.3−
860908 095	0.8+ 2.4−	961221 411	0.1− 0.0	970107 411	0.0 0.1−
961220 411	0.1+ 0.1−	961230 411	0.2− 0.0		

1996 YB₁ = 1991 UK₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	29.07091		(2000.0)	P	Q
<i>n</i>	0.21137915	ω	88.13367	+0.44222329	−0.89668910
<i>a</i>	2.7910093	Ω	335.59058	+0.80280427	+0.40551406
<i>e</i>	0.0802235	<i>i</i>	2.72926	+0.39992983	+0.17750211
<i>P</i>	4.66	<i>H</i>	12.8	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

911030 033	0.7− 0.0	961220 411	0.3+ 0.4+	961229 411	0.6− 0.8−
911031 033	0.4+ 0.1+	961221 411	0.1+ 0.4+	970107 411	0.1− 0.8+
911101 033	0.3+ 0.0	961221 411	0.5+ 0.2+	970107 411	0.4+ 0.2+
961220 411	0.9− 0.9−	961229 411	0.3+ 0.3−		

1996 YC₁ = 1995 UY₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	274.59565		(2000.0)	P	Q
<i>n</i>	0.25209323	ω	287.95337	−0.92496346	+0.36350233
<i>a</i>	2.4817723	Ω	273.47937	−0.29286796	−0.86777015
<i>e</i>	0.1501389	<i>i</i>	6.38157	−0.24222089	−0.33888202
<i>P</i>	3.91	<i>H</i>	14.3	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

951025 327	0.4+ 0.1−	951026 327	0.0 0.5+	961230 411	0.7− 0.1−
951025 327	0.1− 0.5−	961220 411	0.2− 0.6−	961230 411	0.1+ 0.2+
951025 327	0.2+ 0.1−	961220 411	0.1− 0.3−	970107 411	0.6+ 0.2−
951026 327	0.1+ 0.6−	961221 411	0.5+ 0.1−	970107 411	0.3− 0.0
951026 327	0.7− 0.8+	961221 411	0.2+ 1.1+		

1996 YO₁ = 1982 BE₁₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	262.52867		(2000.0)	P	Q
<i>n</i>	0.26152554	ω	299.00304	-0.83724503	+0.54616938
<i>a</i>	2.4217352	Ω	274.11354	-0.49188279	-0.77364603
<i>e</i>	0.1188071	<i>i</i>	1.54131	-0.23889764	-0.32120215
<i>P</i>	3.77	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

820130 675	0.3-	0.4+	961222 327	0.6-	0.2-	970102 327	0.5+	0.0
820131 675	0.4+	0.3-	961222 327	0.4+	0.0	970111 327	0.1+	0.1-
961218 327	0.1+	0.5+	961222 327	0.2-	0.1+	970111 327	0.3-	0.1+
961218 327	0.6-	0.0	970102 327	0.7+	0.4-	970111 327	0.5-	0.1-
961218 327	0.9+	0.0	970102 327	0.3-	0.1-			

1996 YU₁ = 1990 KK₁ = 1993 BW₁₁ = 1995 OB₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	82.14323		(2000.0)	P	Q
<i>n</i>	0.23357476	ω	251.68672	+0.96794437	-0.09409991
<i>a</i>	2.6112720	Ω	113.17085	+0.16216952	+0.94214687
<i>e</i>	0.1692858	<i>i</i>	14.67309	-0.19179352	+0.32172113
<i>P</i>	4.22	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

900526 413	0.0	1.7-	950730 327	0.6+	1.2-	961222 327	0.5+	0.5-
900526 413	1.7+	0.5-	950730 327	0.1-	0.7+	961222 327	1.3+	0.7-
900529 413	2.3-	0.8+	950730 327	0.4-	0.5-	961224 327	0.3-	0.7+
930122 691	0.5-	0.3-	950804 327	0.1-	0.1+	961224 327	0.1-	0.7-
930122 691	0.2+	0.4-	950804 327	0.1-	1.1-	961224 327	0.4+	0.1+
930122 691	0.1+	0.0	950804 327	0.6+	0.5-	970106 691	0.4-	0.0
930123 691	0.1+	0.2-	961219 327	0.0	0.1-	970106 691	0.3-	0.3-
930123 691	0.0	0.1-	961219 327	0.1-	0.4-	970106 691	0.5-	0.1+
930123 691	0.0	0.3+	961219 327	0.1-	0.3-			
950730 327	0.2+	0.1-	961222 327	0.3-	0.9-			

1996 YF₂ = 1991 NW₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	65.92400		(2000.0)	P	Q
<i>n</i>	0.24616764	ω	83.67826	+0.97534850	-0.20639651
<i>a</i>	2.5214406	Ω	288.21228	+0.15558037	+0.89408880
<i>e</i>	0.2251868	<i>i</i>	4.71463	+0.15649298	+0.39749932
<i>P</i>	4.00	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

910712 809	0.7-	0.7-	910713 809	0.7+	0.9+	961224 327	0.1+	0.2+
910712 809	0.5-	0.5-	961222 327	0.3-	0.3+	961224 327	0.5-	0.1+
910712 809	0.1-	0.5-	961222 327	0.5+	0.2-	970108 327	0.3-	0.2-
910713 809	0.0	0.3+	961222 327	0.5-	0.3-	970108 327	0.6-	0.0
910713 809	0.4+	0.6+	961224 327	0.9+	0.1+	970108 327	0.9+	0.2+

1996 YK₂ = 1958 GK = 1976 JZ = 1983 GJ₁ = 1990 DO = 1992 VO

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	331.36101		(2000.0)	P	Q
<i>n</i>	0.27591540	ω	126.48455	-0.73248388	-0.68033910
<i>a</i>	2.3367850	Ω	10.72131	+0.57460853	-0.63723359
<i>e</i>	0.1539338	<i>i</i>	7.60454	+0.36509231	-0.36203876
<i>P</i>	3.57	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

580408 760	0.1-	1.1-	921115 400	0.4-	0.7-	961225 327	0.1-	0.2-
580408 760	0.0	1.2+	921115 400	(4.9+	1.0+)	961225 327	1.3+	0.5-
760502 095	1.3-	0.8+	921116 400	0.2+	1.1-	970109 399	1.0-	1.6+
830409 095	1.3+	1.6-	921116 400	1.3+	0.4+	970109 399	1.4-	0.1-
900224 403	(3.6-	0.3-)Y	961224 327	0.1+	0.2+	970112 399	1.7-	1.4+
900224 403	1.0+	1.0-	961224 327	0.9+	0.2+	970112 399	(2.8-	0.5+)
900227 403	0.2+	0.4-	961224 327	0.1+	0.1-			
900227 403	1.5-	0.1-	961225 327	1.7+	0.3-			

1996 YU₂ = 1979 SE₈ = 1987 DV₃ = 1990 SW₂₆ = 1990 SH₂₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	42.58900		(2000.0)	P	Q
<i>n</i>	0.18093390	ω	188.51418	+0.96513908	-0.26028414
<i>a</i>	3.0959178	Ω	186.76450	+0.25180130	+0.95206532
<i>e</i>	0.1913561	<i>i</i>	13.52382	+0.07143287	+0.16069785
<i>P</i>	5.45	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

790924 095	0.1+	0.0	961228 557	0.4-	0.4-	970102 557	0.3+	1.0+
870223 010	(1.7+	4.4-)	961228 557	0.1-	0.2-	970102 557	0.8+	0.2+
870224 010	1.4-	0.3+	961228 557	0.5-	0.1-	970102 557	0.4-	0.0
870224 010	1.2+	1.5-	961228 557	0.1+	0.2-	970115 557	0.3+	0.1+
900922 095	0.2+	0.9-	961230 557	0.0	0.0	970115 557	0.0	0.0
900922 095	1.8-	0.4-	961230 557	0.2-	0.1-	970115 557	0.2+	0.1+
900929 095	1.6+	0.3+	961230 557	0.2+	0.2+			

1996 YW₂ = 1936 OP = 1969 TT₃ = 1972 NG = 1976 YY₄ = 1992 UG₁₀

Id. T. Urata (k), S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	159.90578		(2000.0)	P	Q
<i>n</i>	0.30096839	ω	353.19626	+0.35087160	+0.93318296
<i>a</i>	2.2052380	Ω	297.31962	-0.85497054	+0.28533575
<i>e</i>	0.1625823	<i>i</i>	5.02610	-0.38198757	+0.21852477
<i>P</i>	3.27	<i>H</i>	13.2	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

360725 078	(26.6-	24.5-)X	761218 095	2.1-	0.8-	961230 369	0.4+	0.5-
360808 078	(20.7+	14.8-)X	921020 095	0.2-	0.2-	961230 369	0.5+	0.6-
691011 095	2.0+	1.1-	921028 095	1.2-	2.1+	970102 369	0.4+	0.6-
691014 095	0.1+	0.6+	961229 369	0.1+	0.6-	970102 369	0.3+	0.8-
720715 095	0.2+	2.1-	961229 369	0.1-	0.7-	970118 369	0.3-	0.7+
720718 095	(1.9+	8.7-)	961229 369	0.1-	0.5-	970118 369	0.5-	0.4+

1997 AG = 1989 YN₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	33.56421		(2000.0)	P	Q
<i>n</i>	0.27917386	ω	99.63501	+0.56525681	-0.82349273
<i>a</i>	2.3185665	Ω	315.82944	+0.72697893	+0.52502912
<i>e</i>	0.0779025	<i>i</i>	3.98463	+0.38985430	+0.21495150
<i>P</i>	3.53	<i>H</i>	14.8	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

891230 413	0.5-	0.5+	970103 411	0.2-	0.0	970114 566	0.2-	0.0
891230 413	(4.9-	0.9+)	970107 411	0.1+	0.1+	970114 566	0.0	0.2-
891231 413	0.5+	0.4-	970107 411	0.5-	0.1+	970114 411	0.3-	0.5+
970102 411	0.2-	0.1+	970108 411	0.8+	0.1-	970114 411	0.3-	0.3-

970102 411 0.3+ 0.3+ 970108 411 0.7+ 0.2+
 970103 411 0.3- 0.7- 970114 566 0.0 0.0

1997 AH = 1988 YG = 1992 YM₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	35.08937		(2000.0)	P	Q
<i>n</i>	0.25536216	ω	311.98243	+0.70244071	-0.70336496
<i>a</i>	2.4605471	Ω	93.03706	+0.68100265	+0.61972011
<i>e</i>	0.1792895	<i>i</i>	6.25957	+0.20691166	+0.34817341
<i>P</i>	3.86	<i>H</i>	13.4	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

881228 010 0.0 0.0 970102 411 0.0 0.4+ 970107 411 0.1+ 0.2+
 921218 403 0.0 1.7- Y 970102 411 0.4- 0.3+ 970114 411 0.5+ 0.4-
 921218 403 (4.5- 0.6+) 970103 411 0.3- 0.0 970114 411 0.3+ 0.0
 921218 901 (3.7+ 0.4+)Y 970103 411 0.5- 0.4-
 921218 901 0.0 1.7+ Y 970107 411 0.3+ 0.0

1997 AU = 1993 FA₄₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	99.76276		(2000.0)	P	Q
<i>n</i>	0.20124850	ω	339.48911	+0.99990644	-0.00273386
<i>a</i>	2.8839050	Ω	20.68118	+0.00823278	+0.90276033
<i>e</i>	0.0879770	<i>i</i>	2.17488	-0.01092360	+0.43013522
<i>P</i>	4.90	<i>H</i>	12.4	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

930319 809 0.5- 0.7+ 970102 411 0.5+ 0.2- 970109 411 0.1+ 0.8-
 930320 809 0.5+ 0.0 970103 411 0.3+ 0.1- 970114 411 0.2+ 0.6+
 930324 809 0.1+ 0.7- 970103 411 0.2- 0.8+ 970114 411 0.7- 0.3+
 970102 411 1.0- 0.1+ 970109 411 0.8+ 0.7-

1997 AY = 1951 XB = 1962 XF = 1979 YB₇ = 1984 UV₄ = 1988 JC₂

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	88.79842		(2000.0)	P	Q
<i>n</i>	0.17756005	ω	290.40361	+0.99281555	+0.10078057
<i>a</i>	3.1350121	Ω	63.85885	-0.06395500	+0.90255722
<i>e</i>	0.2085226	<i>i</i>	4.12037	-0.10112885	+0.41860928
<i>P</i>	5.55	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

511203 760 (0.0 4.1+) 961203 691 0.4- 0.9+ 970102 411 0.2+ 0.4-
 511203 760 0.7+ 0.4- 961203 691 0.4- 1.4+ 970103 411 0.8+ 0.5+
 621201 760(16.1+ 16.2+)X 961203 691 0.4- 1.2+ 970103 411 0.8- 0.1+
 791218 095 1.6- 2.3- 961208 691 0.1- 0.1- 970107 411 0.8+ 0.6-
 841020 095 0.2+ 0.4- 961208 691 0.2- 0.2- 970107 411 0.3+ 0.3-
 880512 033 0.5- 0.8- 961208 691 0.1+ 0.1- 970114 411 0.4+ 0.1+
 880512 033 0.6- 0.8- 970102 411 1.4+ 0.8- 970114 411 0.1+ 0.1-

1997 AF₁ = 1978 UR₇ = 1981 JX₅ = 1995 TP₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	340.72671		(2000.0)	P	Q
<i>n</i>	0.17448247	ω	83.29929	-0.70280159	-0.71118362
<i>a</i>	3.1717687	Ω	51.36765	+0.64380466	-0.64599940
<i>e</i>	0.2001519	<i>i</i>	1.24433	+0.30263092	-0.27731323
<i>P</i>	5.65	<i>H</i>	13.0	<i>G</i> 0.15	<i>U</i> 1

Residuals in seconds of arc

781027 675 0.1+ 0.4- 951021 691 0.2+ 0.1- 970102 411 1.8- 0.6-
 781028 675 0.7+ 0.9- 951021 691 0.1+ 0.1- 970102 411 0.0 0.6-
 781029 675 0.2- 0.4- 951111 369 1.6- 0.4+ 970103 411 0.6+ 0.2-
 810508 675 0.5+ 0.4- 951111 369 0.6+ 0.1+ 970103 411 0.4+ 0.5+
 810509 675 0.6- 0.0 951111 369 0.3+ 0.5+ 970109 411 0.0 0.0
 951015 691 0.7- 0.1- 951111 369 0.2- 0.5+ 970109 411 0.6- 0.4-
 951015 691 0.6- 0.3- 951116 369 1.2+ 0.5+ 970114 411 0.9+ 0.3+
 951015 691 0.3- 0.1- 951116 369 1.0+ 0.3+ 970114 411 0.4+ 0.8+
 951021 691 0.4- 0.1- 951116 369 0.0 0.0

1997 AK₁ = 1989 YG₈ = 1989 YJ₈ = 1991 LG₂Id. S. Nakano, H. Kaneda (d, *MPC* 16879); 1989 YG₈ = 1984 JQ (*ibid.*) is invalid

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	351.95918		(2000.0)	P	Q
<i>n</i>	0.28710060	ω	15.45563	-0.25038574	-0.96355404
<i>a</i>	2.2756911	Ω	89.11483	+0.87797301	-0.26698583
<i>e</i>	0.0806021	<i>i</i>	5.40499	+0.40800782	-0.01679832
<i>P</i>	3.43	<i>H</i>	14.3	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

891228 511 1.2+ 0.4- 900104 511 2.2+ 0.2+ 970102 411 0.2- 0.4+
 891228 511 1.3+ 1.9- 910606 809 1.1+ 0.2+ 970103 411 0.3+ 0.1+
 891229 511 0.3- 0.8+ 910606 809 0.5+ 0.9+ 970103 411 0.2- 0.3+
 891229 511 2.0- 0.4- 910606 809 1.1- 1.3+ 970107 411 0.3+ 0.2+
 891229 511 0.7+ 0.1- 910608 809 0.0 1.1- 970107 411 0.6+ 0.1+
 900103 511 1.2- 0.3+ 910608 809 0.1- 1.0- 970114 411 0.1- 0.2-
 900103 511 0.0 0.5+ 910608 809 0.7- 0.9- 970114 411 0.1+ 0.4-
 900104 511 1.9- 0.2- 970102 411 0.8- 0.1+

1997 AV₁ = 1994 JQ₉

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	60.78126		(2000.0)	P	Q
<i>n</i>	0.25853230	ω	69.82089	+0.88688983	-0.45452249
<i>a</i>	2.4403915	Ω	317.10155	+0.36540169	+0.79966269
<i>e</i>	0.1177596	<i>i</i>	6.97642	+0.28268010	+0.39236321
<i>P</i>	3.81	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

940504 304 1.1- 0.4+ 961213 691 0.1- 0.1+ 970104 411 0.2+ 0.4-
 940504 304 0.0 0.1- 961213 691 0.1+ 0.0 970108 411 0.1- 0.4-
 940505 304 0.0 0.4+ 970103 411 0.2+ 0.2+ 970108 411 1.0+ 0.4+
 940505 304 1.1+ 0.7- 970103 411 0.2+ 0.0 970114 411 0.2- 0.1+
 961213 691 0.2- 0.5- 970104 411 0.2+ 0.3+ 970114 411 1.4- 0.1+

1997 AY₁ = 1954 CL = 1974 FJ₁ = 1991 RA₂₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	15.83288		(2000.0)	P	Q
<i>n</i>	0.25181312	ω	27.77439	+0.10981519	-0.99074927
<i>a</i>	2.4836123	Ω	56.02413	+0.89318544	+0.06317264
<i>e</i>	0.0339227	<i>i</i>	5.51703	+0.43607383	+0.12010452
<i>P</i>	3.91	<i>H</i>	13.2	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

540201 024 0.0 0.1- 910915 675 0.1- 0.4- 970108 411 0.2+ 0.1+
 740321 095 0.3+ 0.7+ 910915 675 0.4- 1.0- 970108 411 0.3+ 0.2-
 910914 675 0.5- 0.2- 970103 411 0.0 0.1- 970114 411 0.3- 0.2+

910914 675	0.2+	1.9+	970103 411	0.1+	0.0	970114 411	0.1-	0.0
910914 675	0.4+	0.1-	970104 411	0.1+	0.4+			
910914 675	0.0	0.7+	970104 411	0.1-	0.0			

1997 AA₂ = 1984 DD₂ = 1988 BB₁ = 1993 EC

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	312.77540		(2000.0)	P	Q
<i>n</i>	0.22435794	ω	133.26104	-0.95088434	-0.30863291
<i>a</i>	2.6823067	Ω	28.78631	+0.26778786	-0.85868738
<i>e</i>	0.1435611	<i>i</i>	2.82858	+0.15526952	-0.40914755
<i>P</i>	4.39	<i>H</i>	13.1	<i>G</i> 0.15	<i>U</i> 2

Residuals in seconds of arc

840226 095	0.4-	1.0-	930302 896	(0.5-	3.0+)Y	970108 411	0.4+	0.1+
880121 511	1.3-	0.4-	930304 896	(5.5+	6.1-)	970108 411	0.1+	0.2+
880121 511	(3.4+	1.4-)	970103 411	0.6-	0.6+	970114 411	0.4+	0.1-
880122 511	(0.2+	2.8+)	970103 411	0.2-	0.0	970114 411	0.3+	0.0
880122 511	1.4+	0.6-	970104 411	0.1+	0.5+			
930302 896	0.2+	0.4+	Y 970104 411	0.2-	0.3+			

1997 AM₂ = 1940 WC = 1944 OG = 1950 BA₁ = 1970 WG = 1991 NS

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	45.85280		(2000.0)	P	Q
<i>n</i>	0.22993567	ω	288.13850	+0.96076987	-0.25420408
<i>a</i>	2.6387514	Ω	86.70194	+0.27729895	+0.87301826
<i>e</i>	0.3800514	<i>i</i>	6.37852	+0.00515279	+0.41619635
<i>P</i>	4.29	<i>H</i>	12.0	<i>G</i> 0.15	<i>U</i> 1

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

401121 094	(0.00+	0.03+)	X 910708 675	1.1+	0.5-	970104 411	0.0	0.1-
401129 062	0.2-	1.2-	910708 675	1.6+	0.0	970104 411	0.1-	0.2+
401129 062	0.7-	1.0+	910708 886	0.5-	0.5+	Y 970104 408	0.5+	0.5+
401204 062	0.7+	0.6+	910708 886	0.9-	2.1-	Y 970104 408	0.1+	1.2-
440726 078	(0.00+	0.06+)	X 910710 675	0.0	0.3-	970104 408	0.5+	0.6-
440818 078	(34.0-	23.4-)	X 910710 675	1.0-	0.5-	970108 411	0.5-	0.5-
440824 078	(73.3+	29.3+)	X 970103 408	0.8-	0.0	970108 411	0.4-	0.5-
500128 760	0.5-	1.3+	970103 408	0.4-	1.0+	970112 400	1.8-	0.6-
500128 760	1.3+	1.4+	970103 408	0.2-	0.1+	970112 400	0.2-	0.8-
701125 026	0.1+	0.2-	970103 411	0.1+	0.3-	970113 400	0.9+	1.7-
701125 026	(1.6-	4.2-)	970103 411	0.2-	0.2-	970113 400	1.3+	1.1-

1997 AO₂ = 1980 WH₄

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	0.01987		(2000.0)	P	Q
<i>n</i>	0.19168723	ω	13.31068	-0.26956565	-0.94105437
<i>a</i>	2.9790235	Ω	92.61727	+0.86372936	-0.33009823
<i>e</i>	0.0723704	<i>i</i>	11.80281	+0.42580038	+0.07383648
<i>P</i>	5.14	<i>H</i>	13.1	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

801129 675	0.9+	0.4+	970104 411	0.2-	0.6-	970114 411	0.3+	0.1-
801201 675	0.9-	0.4-	970104 411	0.7-	0.2+	970114 411	0.2-	0.1-
970103 411	1.0+	0.4+	970108 411	0.0	0.7+			
970103 411	0.0	0.5-	970108 411	0.1-	0.1+			

1997 AV₂ = 1984 GU

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	326.62890		(2000.0)	P	Q
<i>n</i>	0.22162027	ω	83.21218	-0.88402723	-0.46490456
<i>a</i>	2.7043510	Ω	69.07410	+0.40569652	-0.81472811
<i>e</i>	0.2887939	<i>i</i>	2.98107	+0.23217708	-0.34652829
<i>P</i>	4.45	<i>H</i>	12.2	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

840406 323	0.3+	0.3+	970106 411	0.2+	0.0	970114 411	0.1+	0.2+
840409 323	0.3-	0.3-	970106 411	0.1-	0.2-	970114 411	0.0	0.3-
970103 411	0.3-	1.0+	970110 411	0.1-	0.3-			
970103 411	0.2+	0.3-	970110 411	0.1-	0.1-			

1997 AT₄ = 1990 EJ₃

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	66.13357		(2000.0)	P	Q
<i>n</i>	0.26674636	ω	87.88696	+0.88156572	-0.46559163
<i>a</i>	2.3900320	Ω	299.85320	+0.38951207	+0.81064855
<i>e</i>	0.1213755	<i>i</i>	5.15228	+0.26668751	+0.35506811
<i>P</i>	3.69	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

900302 809	0.3-	0.5+	900304 809	0.9+	0.0	970106 411	0.3+	0.7+
900302 809	0.3-	0.3+	961220 327	0.4-	0.2-	970107 411	0.2+	0.0
900302 809	0.1+	0.1+	961220 327	0.1-	0.0	970107 411	0.1+	0.1-
900304 809	1.5-	0.6-	961220 327	0.4+	0.1+	970111 411	0.3-	0.0
900304 809	1.0+	0.1-	970106 411	0.2+	0.4-	970111 411	0.4-	0.1-

1997 AB₅ = 1973 UD₅ = 1982 BY

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

<i>M</i>	356.36998		(2000.0)	P	Q
<i>n</i>	0.26209672	ω	61.88264	-0.04393876	-0.99734212
<i>a</i>	2.4182155	Ω	30.80307	+0.87216401	-0.06666745
<i>e</i>	0.1655312	<i>i</i>	6.51702	+0.48723641	+0.02939635
<i>P</i>	3.76	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

731027 033	0.4-	0.5+	970103 369	0.5-	0.0	970106 369	1.4+	2.0-
731027 033	0.4-	0.4-	970103 369	0.5-	0.1+	970109 369	0.1+	0.8+
731028 033	0.9+	0.1-	970106 369	0.3-	0.5-	970109 369	0.3+	1.1+
820118 688	1.4-	1.3-	970106 369	0.6-	0.3+	970115 369	0.1+	1.0+
820118 688	1.1+	0.3+	970106 369	0.1+	0.3+			

1997 AU₆ = 1942 VA₁ = 1994 NN₅

Id. S. Nakano

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	69.58120		(2000.0)	P	Q
<i>n</i>	0.20360532	ω	278.72427	+0.74392320	-0.66680243
<i>a</i>	2.8616069	Ω	123.11009	+0.63199446	+0.68051683
<i>e</i>	0.0679948	<i>i</i>	3.02416	+0.21716647	+0.30376202
<i>P</i>	4.84	<i>H</i>	12.5	<i>G</i> 0.15	<i>U</i> 4

Residuals in seconds of arc

421105 062	0.1+	0.3-	940712 809	0.0	0.6+	970109 369	0.1-	0.6+
421106 062	(2.5+	14.4-)	940712 809	0.5-	0.4+	970115 369	1.0-	0.0
940711 809	0.1+	0.5-	970106 369	0.0	0.5-	970115 369	0.4-	0.3-
940711 809	0.4-	0.0	970106 369	1.6+	1.7+	970118 369	0.6-	0.8-

940711 809 0.6+ 1.1- 970106 369 0.3+ 0.4- 970118 369 (0.5+ 2.7-)
 940712 809 0.3+ 0.2- 970109 369 0.0 0.9- 970118 369 (0.3- 2.7-)

1997 AD₁₃ = 1977 QL₅ = 1991 VU₆

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	280.08408		(2000.0)	P	Q
<i>n</i>	0.23578662	ω	123.62099	-0.77293875	+0.59904611
<i>a</i>	2.5949159	Ω	94.06357	-0.62909233	-0.68072137
<i>e</i>	0.2492056	<i>i</i>	12.09862	-0.08251384	-0.42161851
<i>P</i>	4.18	<i>H</i>	13.2	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

770817 808	1.0+	1.3-	911112 809	0.3-	1.0+	970112 411	0.2+	0.0
770817 808	1.0-	1.3+	911112 809	1.0-	0.6-	970112 411	0.1-	0.2-
911109 809	1.2+	0.6+	911112 809	1.3-	0.2-	970114 411	0.1-	0.4+
911109 809	0.5+	0.7-	970111 411	0.1-	0.6+	970114 411	0.3-	0.3+
911109 809	1.0+	0.0	970111 411	0.3+	1.0-			

4543 P-L = 1997 AX₁₅

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	153.73313		(2000.0)	P	Q
<i>n</i>	0.30861099	ω	295.38107	+0.66459340	+0.74711027
<i>a</i>	2.1686783	Ω	16.28760	-0.66938099	+0.60238096
<i>e</i>	0.1594818	<i>i</i>	2.43393	-0.33203118	+0.28100430
<i>P</i>	3.19	<i>H</i>	15.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

600924 675	0.3-	0.6-	601017 675	0.7-	0.1-	970112 566	0.1-	0.3+
600926 675	0.1+	0.0	601022 675	0.3+	0.2-	970112 566	0.1-	0.6+
600927 675	0.6+	0.6+	601024 675	0.1-	0.3+	970114 566	0.3-	0.3-
600928 675	0.5-	0.3+	601026 675	0.9+	1.0-	970114 566	0.1-	0.5-
601017 675	0.5-	0.8+	970112 566	0.4+	0.3+	970114 566	0.2+	0.3-

2120 T-1 = 1986 EZ₂

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

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	248.77855		(2000.0)	P	Q
<i>n</i>	0.26154496	ω	97.74378	-0.59168046	+0.80547290
<i>a</i>	2.4216152	Ω	135.92273	-0.75737272	-0.54110969
<i>e</i>	0.1241207	<i>i</i>	2.76694	-0.27622597	-0.24168930
<i>P</i>	3.77	<i>H</i>	14.4	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

710324 675	1.8-	0.5-	710416 675	1.5+	1.2-	970106 411	0.2-	0.5+
710325 675	1.6-	0.5+	710416 675	2.4+	1.3-	970106 411	0.0	0.3+
710325 675	1.0-	0.9+	710513 675	0.0	0.9+	970107 411	0.3+	0.2-
710326 675	0.1-	0.5-	710514 675	0.0	0.6+	970107 411	0.3+	0.6+
710327 675	0.8-	0.8+	710516 675	0.4+	1.9+			
710402 675	1.6+	0.7-	860312 809	0.6-	1.4-			

3182 T-1 = 1996 XG₃₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	86.42087		(2000.0)	P	Q
<i>n</i>	0.18224217	ω	108.82653	+0.98441986	-0.17076876
<i>a</i>	3.0810835	Ω	261.02267	+0.14109181	+0.90936316
<i>e</i>	0.0395405	<i>i</i>	2.43117	+0.10493162	+0.37933716
<i>P</i>	5.41	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

710325 675	1.5+	0.2-	710327 675	0.0	0.2+	961214 411	0.0	0.3-
710326 675	0.9-	0.4-	710402 675	0.0	0.2+	961219 411	0.3-	0.3+
710326 675	0.6-	0.2+	961214 411	0.4+	0.0	961219 411	0.1-	0.0

4161 T-1 = 1989 TC₁₇ = 1993 SW₁₄

Id. E. Bowell, G. V. Williams

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	289.48066		(2000.0)	P	Q
<i>n</i>	0.23690154	ω	143.25413	+0.83015350	+0.55737879
<i>a</i>	2.5867679	Ω	182.96568	-0.55268939	+0.81959534
<i>e</i>	0.1439573	<i>i</i>	14.77316	-0.07334579	+0.13263621
<i>P</i>	4.16	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 3

Residuals in seconds of arc

710324 675	(2.8-	0.7+)	710416 675	0.7+	1.0-	891009 809	0.0	0.6-
710324 675	0.8-	0.5+	710416 675	1.1-	1.2-	891009 809	0.1+	0.6-
710325 675	(2.4-	2.6+)	710513 675	0.3-	0.7+	891009 809	0.3+	0.6-
710326 675	(0.2+	2.7-)	710514 675	1.1-	0.9+	891010 809	(5.3-	21.7-)
710326 675	0.3-	1.2-	710516 675	0.6+	0.9+	891010 809	(5.5-	22.4-)
710327 675	1.0+	2.3-	890930 675	0.2-	0.2-	930920 675	0.2+	0.0
710402 675	0.7+	0.3+	890930 675	0.0	0.7+	930920 675	0.0	1.1-

1277 T-2 = 1997 AN₁₈

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Marsden

<i>M</i>	67.43658		(2000.0)	P	Q
<i>n</i>	0.17860142	ω	203.09901	+0.99530191	-0.09646745
<i>a</i>	3.1228140	Ω	162.43080	+0.09255101	+0.92291677
<i>e</i>	0.1943146	<i>i</i>	1.56698	+0.02843266	+0.37271795
<i>P</i>	5.52	<i>H</i>	13.5	<i>G</i> 0.15	<i>U</i> 5

Residuals in seconds of arc

730919 675	0.9+	1.1-	730925 675	1.4-	0.9+	970115 046	0.0	0.2-
730919 675	0.0	0.8+	730929 675	1.7+	0.5-	970115 046	0.0	0.2+
730919 675	0.3-	0.8-	730929 675	1.8+	0.9-	970116 046	0.3-	0.0
730919 675	1.2-	2.7+	730930 675	1.2-	0.0	970116 046	0.3-	0.0
730920 675	0.0	1.2-	730930 675	1.0-	1.3+	970116 046	0.1+	0.3+
730924 675	0.6+	0.8-	731004 675	0.2+	0.0	970116 046	0.4+	0.1+
730924 675	0.0	0.9+	731004 675	1.1-	0.7+	970116 046	0.2-	0.3-
730924 675	0.5-	1.0-	731005 675	0.2+	0.5-	970116 046	0.3+	0.2-
730924 675	1.1+	0.6+	731005 675	0.2+	0.9-			

2076 T-2 = 1996 XK₃₀

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	228.29163		(2000.0)	P	Q
<i>n</i>	0.31170056	ω	60.45350	-0.48074607	+0.87685956
<i>a</i>	2.1543239	Ω	180.81344	-0.82131654	-0.45058663
<i>e</i>	0.1025739	<i>i</i>	2.96006	-0.30711945	-0.16759775
<i>P</i>	3.16	<i>H</i>	16.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

730919 675	0.5+	1.8+	730929 675	1.1+	0.8-	731005 675	0.5-	0.1-
730919 675	0.0	1.2-	730930 675	1.1+	0.8-	731005 675	0.1-	0.0
730920 675	1.5-	0.1+	730930 675	0.7-	1.6+	731005 675	1.5-	0.1-
730924 675	0.4-	0.5-	730930 675	0.2+	0.1+	961215 691	0.2+	0.2-
730924 675	0.1+	1.1+	730930 675	0.3-	0.6+	961215 691	0.1-	0.2+
730925 675	0.0	1.9-	731004 675	0.6-	1.0-	961215 691	0.3+	0.1+

730925 675	1.0+	0.8−	731004 675	(1.3−	3.2+)	961217 691	0.3+	0.1−
730929 675	0.0	1.7+	731004 675	(1.1+	2.3−)	961217 691	0.1−	0.1−
730929 675	1.5+	0.3−	731004 675	0.5−	1.9+	961217 691	0.6−	0.1+
730929 675	0.8−	0.3−	731005 675	1.3+	1.3−			

3270 T-2 = 1997 AO₂₁

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Urata

<i>M</i>	333.19223		(2000.0)	P	Q
<i>n</i>	0.26688450	ω	64.87461	−0.73680199	−0.67380912
<i>a</i>	2.3892072	Ω	72.71007	+0.59740638	−0.68740657
<i>e</i>	0.1371927	<i>i</i>	3.34517	+0.31658875	−0.27102300
<i>P</i>	3.69	<i>H</i>	14.5	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

730919 675	0.3−	0.6+	730929 675	1.8−	2.0−	731004 675	1.2+	0.1+
730919 675	1.4−	0.6−	730929 675	2.3+	2.4−	731005 675	0.6−	1.3+
730920 675	0.3+	0.2+	730929 675	1.6−	0.1+	731005 675	0.6−	0.2+
730924 675	0.5+	1.9+	730929 675	(3.0+	1.1−)	970113 905	0.2−	0.4+
730924 675	1.5+	1.3+	730930 675	(1.2−	3.0−)	970113 905	0.7+	0.6+
730925 675	0.2−	0.6+	730930 675	0.4−	2.3−	970116 905	0.1+	0.7−
730925 675	0.0	0.7+	731004 675	1.1+	0.2+	970116 905	0.5−	0.2−

5077 T-2 = 1996 XQ₂₇

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Williams

<i>M</i>	62.72917		(2000.0)	P	Q
<i>n</i>	0.26057859	ω	41.15512	+0.92540547	+0.36911717
<i>a</i>	2.4275987	Ω	296.99097	−0.36803323	+0.82121972
<i>e</i>	0.1189469	<i>i</i>	5.53131	−0.09042263	+0.43514444
<i>P</i>	3.78	<i>H</i>	16.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

730920 675	0.4−	0.7−	730925 675	0.1+	0.4−	961209 691	0.3−	0.5+
730920 675	1.4+	0.8−	730929 675	1.7−	0.5+	961215 691	0.2−	0.4−
730924 675	0.1+	0.6−	730929 675	1.9−	0.3+	961215 691	0.5+	0.1−
730924 675	0.5+	1.1+	961209 691	0.1−	0.1−	961215 691	0.1−	0.2−
730925 675	1.8+	0.7+	961209 691	0.2+	0.3+			

5124 T-3

Id. T. Kobayashi (1997 observations)

Epoch 1996 Nov. 13.0 TT = JDT 2450400.5

Nakano

<i>M</i>	321.73932		(2000.0)	P	Q
<i>n</i>	0.27103146	ω	51.34802	−0.89527481	−0.42862535
<i>a</i>	2.3647737	Ω	102.97004	+0.36013581	−0.85682141
<i>e</i>	0.0607681	<i>i</i>	7.16259	+0.26226936	−0.28659621
<i>P</i>	3.64	<i>H</i>	14.0	<i>G</i> 0.15	<i>U</i> 6

Residuals in seconds of arc

771011 675	0.0	0.3+	771017 675	0.1+	0.4+	970115 411	0.8−	0.8−
771011 675	1.0−	0.1+	771017 675	0.6+	1.3+	970115 411	0.3+	1.1+
771012 675	0.5+	0.0	771021 675	0.5−	0.4+	970116 411	0.4+	0.4−
771012 675	0.7+	1.5−	771021 675	1.0−	0.3−	970116 411	0.1+	0.1+
771016 675	0.8+	1.1−	771022 675	(1.5−	3.0+)			
771016 675	0.5+	0.7+	771022 675	0.5−	0.5−			

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
1929 PK	15.0	961113	47.07294	226.33997	152.73500	4.40512	0.2181983	2.2267067	16	5	1929–1996	0.79	M-v	2	Williams	25526	1929 PK
1948 AA	13.5	961113	261.21402	292.04797	273.58770	24.61203	0.1642727	2.3026251	20	6	1948–1996	0.70	M-v	1	Williams	26755	1948 AA
1949 QL	13.5	961113	69.94316	25.75086	335.94736	6.27390	0.1963493	2.2226108	28	7	1949–1996	0.96	M-v	2	Williams	25077	1949 QL
1955 RV	14.0	961113	290.45391	220.83009	178.45219	2.42962	0.1946269	2.4307380	31	6	1955–1995	0.88	M-v	2	Williams	27724	1955 RV
1969 QR	14.0	961113	98.73558	55.35441	239.70613	7.34629	0.1416386	2.2249030	24	5	1969–1996	0.79	M-v	2	Williams	28610	1969 QR
1969 TR ₁	13.5	961113	2.03326	346.53526	353.28064	1.94683	0.2692280	2.2670709	70	7	1928–1996	0.84	M-v	2	Bardwell	28610	1969 TR ₁
1970 OB	13.5	961113	271.00070	211.88490	83.06301	4.75819	0.2198026	2.2573973	28	7	1956–1996	0.77	M-v	2	Williams	26577	1970 OB
1973 RF	12.5	961113	204.04419	0.95139	6.09045	15.83500	0.1412494	2.5828349	53	5	1973–1996	0.84	M-v	3	Williams	27725	1973 RF
1974 QM ₂	14.5	961113	261.04389	297.38959	341.83599	5.86286	0.1803547	2.2470892	19	8	1953–1994	0.94	M-v	2	Williams	25438	1974 QM ₂
1974 WB	14.0	961113	8.01604	155.42626	261.25887	11.68350	0.2102449	2.6726808	15	2	1974–1996	0.67	M-v	3	Williams	28580	1974 WB
1975 EA ₃	13.5	961113	331.51957	175.66642	29.16433	3.54755	0.1445737	2.3593417	28	8	1954–1995	0.86	M-v	2	Williams	26417	1975 EA ₃
1976 GL ₈	12.5	961113	317.96811	355.29951	272.57153	6.53948	0.1556941	2.5597323	17	5	1976–1996	0.56	M-v	1	Williams	26913	1976 GL ₈
1976 QL ₂	12.5	961113	139.53665	7.63460	35.71166	9.92224	0.0932924	3.1642606	19	3	1976–1994	0.88	M-v	4	Williams	24758	1976 QL ₂
1976 YG ₁	13.0	961113	286.34783	164.67300	54.25254	7.03146	0.0376492	2.4534546	23	8	1958–1995	0.88	M-v	2	Williams	28610	1976 YG ₁
1977 QL ₁	13.0	961113	52.73007	34.19955	343.21456	4.87718	0.0868229	2.7503350	23	4	1959–1996	0.58	M-v	2	Williams	21964	1977 QL ₁
1977 UD	14.0	961113	331.54073	20.21959	62.87110	3.99252	0.1667976	2.4255378	35	5	1977–1996	0.79	M-v	2	Williams	28610	1977 UD
1978 OB	15.0	961113	133.34725	199.60157	115.04707	6.52118	0.2325906	2.2624442	16	3	1978–1997	0.71	M-v	4	Williams	25646	1978 OB
1978 PV ₃	14.5	961113	154.71146	23.04162	279.75537	4.08553	0.2004100	2.2558516	11	3	1978–1997	0.67	M-v	4	Williams	26187	1978 PV ₃
1978 PW ₃	14.0	961113	272.86629	140.14765	169.38773	6.42196	0.1477906	2.4619969	10	4	1978–1993	1.07	M-v	3	Williams	22429	1978 PW ₃
1978 QU ₂	13.0	961113	85.11632	258.27221	118.22936	2.73130	0.1913633	3.1187449	14	5	1978–1997	0.98	M-v	1	Williams	26557	1978 QU ₂
1978 RV ₁	14.5	961113	144.14135	182.80441	128.13568	0.95108	0.2041503	2.2702517	28	4	1978–1997	0.63	M-v	2	Williams	27930	1978 RV ₁
1978 RN ₅	13.5	961113	14.42592	14.31808	356.40398	11.16078	0.3320216	2.7215474	26	4	1960–1996	0.80	M-v	3	Bardwell	28314	1978 RN ₅

1978 RY ₆	12.5	961113	301.27162	118.13939	332.07520	9.44940	0.0736754	3.2301035	34	5	1978–1996	0.72	M-v	1	Williams	17815	1978 RY ₆
1978 RL ₇	13.5	961113	199.88583	162.75676	219.63185	1.06973	0.0742122	2.9094029	23	4	1978–1996	0.78	M-v	4	Williams	26913	1978 RL ₇
1978 RD ₁₀	13.5	961113	180.93626	222.54941	168.64045	2.07858	0.1119860	2.9322245	39	6	1971–1996	0.85	M-v	3	Williams	26913	1978 RD ₁₀
1978 SJ ₅	14.5	961113	332.21388	330.64995	31.48506	5.77223	0.2131288	2.3923485	11	3	1978–1993	0.81	M-v	4	Williams	22808	1978 SJ ₅
1978 ST ₇	13.5	961113	355.78018	137.01339	322.18374	5.65482	0.1268234	2.3037238	16	5	1978–1996	1.01	M-v	4	Williams	27725	1978 ST ₇
1978 TD ₂	13.5	961113	314.46599	356.49354	2.98299	1.64636	0.0804700	2.8197943	19	3	1978–1995	0.71	M-v	5	Williams	25210	1978 TD ₂
1978 TL ₄	12.5	961113	59.02360	0.53940	48.09340	10.57503	0.1575429	3.1570807	23	3	1978–1995	0.41	M-v	3	Williams	26165	1978 TL ₄
1978 TH ₇	12.0	961113	137.67336	257.44764	146.69417	9.67133	0.1475785	3.0373863	16	3	1978–1996	0.81	M-v	4	Williams	26913	1978 TH ₇
1978 UF ₆	14.0	961113	189.00387	280.40690	3.47959	6.48813	0.1323421	2.2675354	27	5	1954–1995	0.60	M-v	1	Williams	26187	1978 UF ₆
1978 UL ₆	16.5	961113	22.56963	147.15681	239.71075	1.73379	0.1683294	2.3327596	13	3	1978–1997	0.54	M-v	4	Williams	21560	1978 UL ₆
1978 VT ₄	14.0	961113	66.01714	68.93292	35.46486	1.53666	0.1360917	3.1210388	21	5	1978–1996	0.67	M-v	1	Williams	26755	1978 VT ₄
1978 VZ ₇	14.0	961113	185.15839	305.01062	23.64534	1.06297	0.2092991	3.0900943	27	5	1978–1996	0.65	M-v	1	Williams	26755	1978 VZ ₇
1978 VW ₈	13.0	961113	111.45419	338.34179	81.63046	2.55933	0.1590610	3.0997811	22	4	1978–1996	0.82	M-v	2	Williams	27453	1978 VW ₈
1978 VH ₁₁	14.5	961113	87.06952	305.46800	71.20112	4.55685	0.0919654	2.6718252	34	3	1978–1997	0.62	M-v	3	Williams	26418	1978 VH ₁₁
1979 FD ₃	14.0	961113	67.08953	99.40100	126.86879	2.94926	0.1248029	2.2368419	34	7	1953–1994	0.71	M-v	2	Williams	24406	1979 FD ₃
1979 KQ	14.0	961113	246.09621	148.12355	176.16331	5.19461	0.1188196	2.6783074	11	4	1976–1994	0.64	M-v	2	Williams	20141	1979 KQ
1979 SG ₂	15.5	961113	79.00726	58.82340	301.05890	5.52643	0.2107163	2.2121250	28	3	1979–1997	0.87	M-v	4	Williams	26394	1979 SG ₂
1979 SU ₁₁	12.5	961113	44.93936	267.97016	88.88437	2.50487	0.1604159	3.1477250	36	8	1955–1996	0.85	M-v	1	Marsden	27930	1979 SU ₁₁
1979 TH ₂	12.5	961113	338.79181	49.45418	25.41186	1.14609	0.1632180	3.1523574	21	2	1979–1997	0.50	M-v	4	Marsden	28610	1979 TH ₂
1980 FH ₅	13.0	961113	78.37242	83.42055	354.74653	13.58295	0.1582122	2.5916785	41	5	1980–1994	0.89	M-v	1	Williams	21965	1980 FH ₅
1980 PW	14.5	961113	83.81038	54.15821	311.23950	4.02998	0.2140537	2.4231253	38	5	1950–1997	0.63	M-v	1	Marsden	25647	1980 PW
1980 SM	13.5	961113	276.46376	27.29772	340.53543	9.07160	0.1991103	2.6329307	17	3	1980–1995	0.95	M-v	4	Williams	25210	1980 SM
1980 TZ ₃	14.0	961113	29.63616	101.43073	239.03594	1.55394	0.1461625	2.1758163	15	3	1980–1996	0.54	M-v	3	Williams	28294	1980 TZ ₃
1980 VX ₂	13.5	961113	235.50108	287.77875	225.42355	24.90301	0.0636706	2.5404552	30	6	1954–1996	0.84	M-v	2	Williams	28084	1980 VX ₂
1981 DX	12.5	961113	15.66343	165.62066	266.15600	7.11015	0.0085539	3.2007269	35	7	1952–1996	0.78	M-v	1	Williams	28611	1981 DX
1981 DL ₁	14.0	961113	122.01736	35.18574	323.00979	13.89436	0.1387906	3.1410528	23	3	1981–1997	0.90	M-v	4	Williams	24556	1981 DL ₁
1981 DT ₂	13.0	961113	4.44394	103.97590	328.75170	14.56705	0.0990428	2.5987593	33	5	1981–1996	0.84	M-v	3	Bardwell	28611	1981 DT ₂
1981 DO ₃	13.0	961113	154.00607	18.85700	289.56101	6.13962	0.1166868	3.2050492	18	3	1981–1997	0.70	M-v	3	Williams	25647	1981 DO ₃
1981 EG ₁	13.5	961113	198.25235	226.09504	22.19619	3.63107	0.0694566	2.6146014	45	4	1981–1994	0.82	M-v	1	Williams	28611	1981 EG ₁
1981 EF ₂	13.5	961113	314.81258	326.95497	300.51342	6.50029	0.0302545	2.4276587	39	4	1981–1992	0.72	M-v	2	Williams	22074	1981 EF ₂
1981 EH ₃	15.0	961113	224.39108	97.70863	263.92442	7.01648	0.1219052	2.4286203	19	4	1979–1994	1.04	M-v	2	Williams	28611	1981 EH ₃
1981 EM ₃	15.0	961113	322.80351	170.99257	252.20855	5.83187	0.0713583	2.2626270	16	3	1981–1996	0.88	M-v	4	Williams	22948	1981 EM ₃
1981 EU ₁₉	14.5	961113	78.87583	288.27744	346.08063	5.40411	0.1389151	2.3137641	49	5	1981–1996	0.84	M-v	1	Williams	28084	1981 EU ₁₉
1981 EO ₂₀	15.0	961113	52.09224	113.67745	169.24412	2.75470	0.2193520	2.3409263	26	3	1981–1995	0.99	M-v	4	Williams	25078	1981 EO ₂₀
1981 EU ₂₀	15.0	961113	141.12619	2.91264	308.55948	1.03238	0.0992629	2.5967719	17	4	1953–1997	0.74	M-v	3	Williams	24580	1981 EU ₂₀
1981 EW ₂₀	13.0	961113	151.02163	301.27156	15.52901	0.90934	0.1327001	3.1705392	30	5	1978–1996	0.89	M-v	2	Williams	25647	1981 EW ₂₀
1981 ED ₂₄	14.0	961113	166.79880	237.48209	167.54230	9.41730	0.0283427	2.9394222	32	5	1971–1993	1.01	M-v	3	Williams	28611	1981 ED ₂₄
1981 EX ₂₆	15.0	961113	345.80298	79.15701	199.29747	2.98176	0.2505474	2.4231732	26	2	1981–1993	0.80	M-v	4	Williams	24116	1981 EX ₂₆
1981 EQ ₂₈	13.5	961113	260.43031	257.68112	157.57576	3.38408	0.1981615	2.7573376	27	4	1981–1994	0.83	M-v	1	Williams	27726	1981 EQ ₂₈
1981 EW ₃₁	14.0	961113	101.13877	212.45562	169.54353	9.92807	0.1132089	3.1140754	28	2	1981–1989	0.92	M-v	4	Williams	24759	1981 EW ₃₁
1981 EV ₃₄	14.5	961113	124.01208	179.62113	157.11688	2.45422	0.2197248	2.5856643	16	3	1981–1997	0.76	M-v	4	Williams	26166	1981 EV ₃₄
1981 ES ₃₈	14.5	961113	296.20395	145.72200	198.13951	6.57373	0.1315269	2.3822418	17	2	1981–1996	0.79	M-v	5	Marsden	28314	1981 ES ₃₈
1981 EY ₃₉	17.0	961113	246.36769	345.97147	190.18082	0.96915	0.0960187	2.2361117	18	3	1971–1991	0.90	M-v	4	Williams	20629	1981 EY ₃₉
1981 EN ₄₅	15.5	961113	345.14021	106.40288	304.83045	3.25070	0.1975696	2.2447178	12	3	1981–1994	0.79	M-v	5	Williams	25061	1981 EN ₄₅
1981 FL	14.5	961113	109.44915	357.48280	184.14187	7.89639	0.1870524	2.3704769	28	7	1953–1996	1.02	M-v	2	Williams	27566	1981 FL
1981 FC ₁	12.5	961113	317.68668	140.21000	358.52823	8.88962	0.1723717	3.1425189	22	5	1953–1996	0.61	M-v	2	Williams	26188	1981 FC ₁
1981 GG	13.5	961113	248.52770	128.51563	36.51794	14.15681	0.1805742	2.6479792	21	6	1955–1996	0.74	M-v	2	Williams	28314	1981 GG
1981 JB ₂	11.5	961113	252.80699	202.87421	44.37692	13.00418	0.0373955	3.1575519	22	5	1981–1995	0.80	M-v	1	Williams	28611	1981 JB ₂
1981 JE ₂	14.0	961113	10.56668	244.04093	62.58744	3.01721	0.2083331	2.3914743	17	3	1980–1989	0.78	M-v	5	Williams	22697	1981 JE ₂
1981 QR ₃	13.5	961113	249.20927	316.36376	354.58901	13.51771	0.1566930	2.5984632	64	3	1981–1994	0.60	M-v	3	Williams	27931	1981 QR ₃
1981 SZ ₆	14.5	961113	63.91326	315.11329	72.94947	2.08306	0.1992462	2.3483210	13	3	1981–1991	0.72	M-v	4	Williams	18621	1981 SZ ₆
1981 UK ₁₁	14.5	961113	42.93501	215.80893	141.99769	3.00688	0.2064234	2.3976620	12	4	1977–1996	0.50	M-v	2	Williams	26166	1981 UK ₁₁

1981 US ₁₄	13.5	961113	359.03179	283.30552	78.75384	2.64295	0.1413584	2.4506768	17	5	1981–1994	1.04	M-v	4	Williams	23245	1981 US ₁₄
1981 UW ₂₁	12.0	961113	87.72025	274.72799	125.19695	5.33521	0.0761628	2.7818236	16	5	1955–1996	0.87	M-v	2	Williams	26756	1981 UW ₂₁
1981 VL	14.5	961113	93.23384	4.58834	24.36852	3.76245	0.1561158	2.3266582	20	4	1981–1996	0.90	M-v	4	Williams	27726	1981 VL
1982 BM	13.5	961113	97.95741	202.20774	307.85765	3.45695	0.1451296	2.7016359	25	5	1953–1996	0.80	M-v	1	Williams	28611	1982 BM
1982 DU	12.5	961113	342.03970	143.54478	342.61972	17.92779	0.2180963	2.9781093	29	4	1982–1996	0.95	M-v	3	Williams	22075	1982 DU
1982 FA	14.5	961113	90.81004	92.89856	78.84927	1.61878	0.1457065	2.2683071	23	4	1982–1996	0.93	M-v	3	Marsden	27324	1982 FA
1982 FK ₃	13.5	961113	320.64899	298.94133	188.67456	4.45813	0.2214860	2.4649164	44	5	1978–1996	0.51	M-v	2	Williams	28314	1982 FK ₃
1982 OD	13.5	961113	124.73368	203.59914	120.14861	14.74882	0.2949452	2.6256899	15	4	1982–1997	0.58	M-v	2	Williams	28294	1982 OD
1982 RW ₁	15.0	961113	7.62780	343.28651	11.31024	5.09902	0.1839787	2.3142394	46	5	1954–1996	0.73	M-v	3	Williams	28314	1982 RW ₁
1982 SO ₅	15.0	961113	109.99539	352.98838	1.76396	1.73212	0.3057052	2.6384841	23	4	1978–1997	0.50	M-v	2	Williams	26188	1982 SO ₅
1983 RF ₂	14.0	961113	17.65279	298.02702	78.86904	7.35448	0.2631026	2.6344029	17	3	1949–1997	0.95	M-v	3	Williams	28612	1983 RF ₂
1983 UG	14.0	961113	319.27811	301.67232	77.72529	5.78133	0.2220167	2.2538839	20	5	1966–1995	0.78	M-v	2	Williams	25078	1983 UG
1984 BC	16.0	961113	339.53509	43.79512	129.49154	21.38624	0.5347300	3.4920408	40	2	1984–1997	0.60	M-v	2	Marsden	28612	1984 BC
1984 CM	13.0	961113	58.15306	61.89262	26.65918	9.85752	0.0824590	2.6010935	14	4	1984–1994	1.04	M-v	2	Williams	22589	1984 CM
1984 CP	14.0	961113	80.69548	79.32179	125.48451	7.45067	0.1041141	2.4378825	37	5	1950–1995	0.66	M-v	2	Williams	25078	1984 CP
1984 LK	13.0	961113	65.18405	76.39834	238.20403	6.55657	0.3861767	3.1125161	36	4	1968–1996	0.83	M-v	1	Williams	28582	1984 LK
1984 SK ₁	13.0	961113	117.12023	324.94538	345.51387	6.00269	0.2958236	3.0839084	28	3	1984–1997	0.70	M-v	3	Marsden	28612	1984 SK ₁
1984 UX	13.5	961113	0.07784	22.16634	10.32886	6.84079	0.3150467	2.5374907	47	4	1984–1996	0.80	M-v	3	Williams	28612	1984 UX
1984 UX ₂	12.5	961113	303.36937	323.28675	15.76234	11.98772	0.2022736	2.6820314	18	6	1931–1993	0.96	M-v	2	Williams	22824	1984 UX ₂
1985 GA ₁	14.0	961113	127.72164	141.25847	132.84408	5.90512	0.1715342	2.2244377	31	6	1955–1996	0.66	M-v	1	Williams	28612	1985 GA ₁
1985 JK	14.5	961113	61.18393	135.96150	108.74002	5.57305	0.1196789	2.3474711	20	4	1985–1992	0.88	M-v	2	Williams	28612	1985 JK
1985 JM	13.0	961113	222.14444	119.99719	212.04253	12.08199	0.3029042	2.5684892	22	3	1956–1995	0.85	M-v	2	Williams	24759	1985 JM
1985 JU ₁	14.5	961113	158.12650	180.21862	90.54033	5.08153	0.1332580	2.1984996	21	6	1976–1996	0.89	M-v	2	Williams	21934	1985 JU ₁
1985 RW ₂	13.5	961113	137.54066	249.52618	96.25700	1.77635	0.0799643	2.7865580	28	5	1985–1996	0.49	M-v	2	Williams	27932	1985 RW ₂
1985 SB	13.0	961113	356.11497	348.36699	352.87988	6.18731	0.1687911	2.4330381	22	4	1985–1995	0.81	M-v	3	Williams	28612	1985 SB
1985 TW	14.5	961113	9.24431	344.70412	7.26658	1.30537	0.1936053	2.4054581	36	5	1985–1996	0.79	M-v	2	Williams	28582	1985 TW
1985 UC	13.5	961113	294.07837	294.74792	11.38558	16.60866	0.2346791	2.5770835	25	4	1985–1996	0.75	M-v	3	Williams	27454	1985 UC
1985 UG ₂	14.0	961113	130.65045	252.56289	150.01317	1.91722	0.1172842	2.1980632	20	5	1954–1993	0.74	M-v	2	Williams	21970	1985 UG ₂
1985 VG	13.5	961113	44.62122	285.92202	94.33339	4.00423	0.0562424	2.3509723	29	5	1961–1996	0.88	M-v	2	Bardwell	23868	1985 VG
1985 VL	12.0	961113	196.03804	346.80497	209.48253	14.44123	0.0269008	3.1711566	18	3	1985–1996	0.72	M-v	3	Williams	28583	1985 VL
1985 VF ₁	15.0	961113	354.55343	151.61385	272.22109	1.21960	0.2142589	2.3590181	31	4	1974–1996	0.86	M-v	2	Williams	28612	1985 VF ₁
1986 EF ₅	13.5	961113	262.19695	70.25324	175.48277	0.18631	0.0160394	2.3740549	31	5	1982–1996	0.68	M-v	2	Williams	27442	1986 EF ₅
1986 QY	13.0	961113	10.52701	59.61308	14.51536	5.07305	0.1482121	2.7370815	46	3	1986–1991	0.75	M-v	3	Williams	22077	1986 QY
1986 QZ ₂	13.0	961113	237.09850	247.25128	11.13205	9.66427	0.1630260	2.5721553	34	7	1953–1994	0.65	M-v	1	Williams	27727	1986 QZ ₂
1986 RE ₁	14.5	961113	26.62934	153.47883	199.54229	3.20479	0.2431808	2.2132831	47	3	1973–1996	0.61	M-v	3	Williams	28612	1986 RE ₁
1986 VY	14.5	961113	271.40471	73.47212	338.46057	3.99176	0.2209081	2.3601220	20	4	1962–1993	0.79	M-v	2	Williams	22599	1986 VY
1986 VB ₁	14.5	961113	355.29034	156.51183	260.12321	5.12617	0.1383559	2.2284599	32	3	1986–1997	0.75	M-v	3	Williams	28612	1986 VB ₁
1986 XF ₁	14.0	961113	288.73322	93.85206	287.59177	2.54368	0.1944936	2.3745661	31	7	1955–1995	0.77	M-v	1	Williams	25079	1986 XF ₁
1987 DM ₆	14.5	961113	328.27294	286.21227	192.33599	3.85068	0.1520888	2.2760155	51	5	1987–1997	0.66	M-v	1	Williams	22078	1987 DM ₆
1987 HK	13.5	961113	68.79185	338.26755	313.18660	1.05189	0.0862640	2.5548533	26	5	1982–1996	0.98	M-v	2	Williams	28084	1987 HK
1987 JG	14.0	961113	230.35335	13.93874	246.11064	5.82695	0.0817810	2.3142639	33	3	1987–1994	0.96	M-v	3	Williams	23788	1987 JG
1987 SC ₁	14.0	961113	46.74840	262.02679	139.70387	5.35297	0.2543695	2.5889842	18	3	1987–1997	0.90	M-v	3	Williams	21971	1987 SC ₁
1987 SB ₃	15.0	961113	271.15747	309.96774	32.91948	6.06852	0.1906814	2.2446357	7	3	1977–1994	0.98	M-v	5	Williams	18112	1987 SB ₃
1987 SG ₃	14.5	961113	227.73445	121.00405	187.44021	22.25073	0.3184402	2.3398720	28	4	1951–1994	0.71	M-v	1	Williams	24239	1987 SG ₃
1987 UV ₁	14.0	961113	178.65785	24.59946	329.53140	1.83920	0.1410371	2.4134642	15	4	1976–1997	1.41	M-v	2	Marsden	16428	1987 UV ₁
1987 US ₄	14.0	961113	180.23985	33.53735	349.30953	2.69515	0.2105078	2.3711805	12	4	1976–1994	0.77	M-v	2	Williams	23868	1987 US ₄
1988 BX ₃	14.0	961113	64.17647	0.35327	232.86463	5.73839	0.0684648	2.3490765	18	3	1974–1993	0.32	M-v	2	Williams	22430	1988 BX ₃
1988 CP ₁	13.5	961113	325.79227	290.23724	135.42864	2.98089	0.0803104	2.9044789	30	3	1988–1996	0.78	M-v	3	Williams	27932	1988 CP ₁
1988 CT ₂	14.0	961113	317.89245	147.98460	121.98603	3.00982	0.1071812	2.4646358	37	5	1985–1996	0.81	M-v	1	Williams	26579	1988 CT ₂
1988 DD	14.0	961113	162.36239	28.62848	132.29822	12.28172	0.1726698	2.3226524	44	4	1988–1996	0.70	M-v	2	Williams	27727	1988 DD
1988 PK	14.5	961113	62.51885	175.39617	163.81325	4.10519	0.2389858	2.4177352	35	3	1988–1992	0.84	M-v	3	Williams	27932	1988 PK
1988 RE ₆	14.0	961113	28.03943	340.58697	79.89306	1.88644	0.2052780	2.3756034	36	4	1981–1997	0.81	M-v	2	Williams	21258	1988 RE ₆

1988 RF ₉	15.0	961113	225.20212	148.14544	97.81751	2.52043	0.1664573	2.2506571	34	6	1950–1995	0.80	M-v	1	Williams	25973	1988 RF ₉
1988 RK ₉	12.0	961113	215.75795	177.00611	145.61975	14.29016	0.1396673	2.9730096	25	3	1988–1994	0.65	M-v	3	Williams	24760	1988 RK ₉
1988 RE ₁₀	15.5	961113	6.80454	176.65669	162.38706	2.91398	0.2317792	2.5440152	30	4	1988–1996	0.73	M-v	3	Williams	27727	1988 RE ₁₀
1988 RV ₁₀	13.0	961113	305.98822	35.13024	148.73075	2.87095	0.1184254	3.2013889	28	5	1988–1997	0.71	M-v	1	Williams	28613	1988 RV ₁₀
1988 RY ₁₀	11.5	961113	243.50689	234.85214	111.99103	2.22124	0.0826725	5.1950772	24	5	1988–1996	0.51	M-v	1	Williams	27119	1988 RY ₁₀
1988 RA ₁₁	13.5	961113	130.69722	209.67317	121.48022	3.10976	0.0814109	3.3347691	25	5	1977–1997	0.68	M-v	1	Williams	26188	1988 RA ₁₁
1988 RT ₁₂	12.5	961113	256.50342	134.24865	197.72851	6.48793	0.1593007	5.2295263	21	4	1977–1996	0.68	M-v	1	Williams	27119	1988 RT ₁₂
1988 RV ₁₂	12.0	961113	234.40029	307.78031	186.33950	16.22669	0.1658008	3.9855840	15	2	1988–1989	0.63	M-v	4	Williams	15715	1988 RV ₁₂
1988 RX ₁₂	13.0	961113	191.76991	167.92006	194.50159	9.80704	0.1089983	3.0115738	21	5	1951–1994	0.87	M-v	2	Williams	24407	1988 RX ₁₂
1988 SP	14.0	961113	35.33924	333.85767	79.55373	1.71076	0.2132802	2.3776359	48	5	1981–1997	0.72	M-v	1	Williams	23536	1988 SP
1988 TN	13.0	961113	39.60347	18.23862	12.79841	5.29263	0.0601789	2.4310830	50	4	1988–1997	0.97	M-v	3	Williams	27727	1988 TN
1988 TW ₂	13.0	961113	118.68696	43.68435	254.80039	22.74735	0.2371734	2.4046943	25	3	1988–1995	0.75	M-v	3	Williams	25648	1988 TW ₂
1988 UA	14.0	961113	49.34336	92.53863	256.79245	1.08341	0.1878427	2.4746418	38	4	1971–1996	0.95	M-v	3	Williams	28613	1988 UA
1988 VP	12.5	961113	4.06627	346.06785	54.51796	14.40024	0.0660032	2.5371942	56	6	1984–1996	0.73	M-v	3	Williams	28315	1988 VP
1988 VT ₁	13.0	961113	156.88920	243.46285	176.98451	12.32741	0.2394924	3.1038390	22	3	1988–1996	0.86	M-v	3	Williams	27454	1988 VT ₁
1988 VJ ₂	14.0	961113	357.79397	197.03430	212.28994	5.28029	0.3311223	2.5289261	54	4	1988–1996	0.70	M-v	2	Williams	28613	1988 VJ ₂
1988 VK ₂	13.0	961113	13.70573	305.42480	75.66914	7.48749	0.1341134	2.5518324	20	4	1988–1996	0.83	M-v	4	Williams	23246	1988 VK ₂
1988 VS ₂	13.0	961113	15.72843	154.04188	211.65978	13.13678	0.1893074	2.5753554	30	4	1988–1996	0.69	M-v	3	Williams	28613	1988 VS ₂
1988 VS ₆	12.0	961113	346.61824	211.68020	209.48077	4.90391	0.2381313	3.9496981	22	2	1988–1996	0.77	M-v	4	Marsden	27911	1988 VS ₆
1988 VE ₇	14.0	961113	354.90289	292.30737	138.69909	6.69447	0.2180746	2.5254399	25	4	1976–1996	0.65	M-v	3	Williams	28315	1988 VE ₇
1988 VM ₉	13.5	961113	357.69295	60.55003	27.78416	7.10042	0.1730444	2.4420698	32	5	1969–1997	0.73	M-v	2	Williams	27727	1988 VM ₉
1988 XQ	14.0	961113	355.35308	164.78063	257.15488	9.66239	0.2704751	2.5344240	23	3	1988–1996	0.92	M-v	3	Williams	21972	1988 XQ
1989 AG	13.0	961113	274.06804	37.68092	95.10365	12.82513	0.1404385	2.6660143	41	5	1979–1996	0.94	M-v	1	Williams	23537	1989 AG
1989 BK	13.5	961113	14.19187	315.42590	93.41181	8.73786	0.3024855	2.5513162	40	5	1951–1997	0.65	M-v	2	Williams	21789	1989 BK
1989 EH ₁	13.5	961113	262.21784	345.73523	166.78561	4.25284	0.0694498	2.7436837	22	5	1971–1991	0.83	M-v	2	Williams	25648	1989 EH ₁
1989 EC ₃	14.0	961113	343.31669	278.47976	184.68588	8.60690	0.1234587	2.5725684	27	7	1952–1996	0.67	M-v	1	Williams	25537	1989 EC ₃
1989 GC ₁	14.5	961113	248.38173	29.76839	294.46355	2.83679	0.1279886	2.4439807	27	5	1989–1996	0.79	M-v	2	Williams	26924	1989 GC ₁
1989 OL	14.0	961113	290.46104	250.24300	46.92913	13.05589	0.1363295	2.5378380	18	4	1977–1994	0.49	M-v	2	Williams	22825	1989 OL
1989 QV	13.0	961113	10.81958	37.00828	24.76591	23.56405	0.1329465	3.1656408	16	2	1989–1996	0.74	M-v	5	Marsden	28583	1989 QV
1989 RQ ₁	14.0	961113	5.43283	195.81267	154.37124	7.71240	0.2891525	2.3357097	15	3	1971–1996	0.60	M-v	3	Williams	28613	1989 RQ ₁
1989 RV ₂	14.0	961113	36.88704	305.27900	44.75498	5.59971	0.1832844	2.2702913	22	2	1989–1996	0.76	M-v	4	Williams	28315	1989 RV ₂
1989 SG	13.0	961113	275.12462	81.73977	357.02425	6.66601	0.1503423	2.3854468	23	5	1934–1991	0.85	M-v	3	Williams	27728	1989 SG
1989 SQ	13.5	961113	318.16752	107.08343	302.17451	4.25449	0.2299095	2.3660142	22	4	1955–1994	0.94	M-v	2	Williams	27933	1989 SQ
1989 SX	14.0	961113	266.59626	354.85056	27.96885	6.68638	0.3023279	2.5572794	43	3	1989–1993	1.06	M-v	3	Williams	26924	1989 SX
1989 SC ₁	14.0	961113	45.71445	52.57031	283.78345	1.56513	0.1691808	2.2734378	30	7	1950–1995	0.88	M-v	2	Williams	27728	1989 SC ₁
1989 SR ₁	14.5	961113	106.57309	212.82717	80.37008	4.61351	0.0825927	2.2585629	28	4	1989–1997	0.85	M-v	2	Williams	25339	1989 SR ₁
1989 SL ₁₂	14.0	961113	100.06171	131.99545	310.90442	0.83246	0.1636651	2.8940712	34	5	1981–1996	0.69	M-v	2	Williams	27728	1989 SL ₁₂
1989 TS ₂	11.0	961113	290.97904	156.55000	149.67403	11.28113	0.0408067	5.2706905	8	1	117 days	0.57	M-v	5	Williams	16236	1989 TS ₂
1989 TT ₂	13.0	961113	121.25879	234.67276	125.58777	6.28108	0.1647029	3.1239712	14	2	1989–1991	0.71	M-v	5	Williams	24760	1989 TT ₂
1989 TX ₂	13.5	961113	178.38082	272.70543	185.36586	15.10636	0.0776119	2.6035268	25	2	1989–1993	1.00	M-v	5	Williams	28613	1989 TX ₂
1989 TA ₁₆	15.0	961113	303.67351	71.84187	233.17893	2.29186	0.1641554	2.5864135	23	4	1981–1993	0.67	M-v	3	Williams	24118	1989 TA ₁₆
1989 UA ₃	15.5	961113	45.39732	193.49828	190.88277	2.47346	0.1653067	2.2485658	28	4	1989–1997	0.88	M-v	2	Williams	25080	1989 UA ₃
1989 UG ₃	13.0	961113	232.82153	320.01118	87.91873	4.91540	0.1627359	2.6110262	21	4	1982–1993	0.68	M-v	2	Williams	22825	1989 UG ₃
1989 UU ₃	14.5	961113	22.98786	209.84853	190.04589	3.35672	0.1742502	2.2679611	18	4	1989–1996	0.82	M-v	3	Williams	25080	1989 UU ₃
1989 UA ₆	11.5	961113	59.93796	214.63705	58.31119	3.64294	0.1654881	3.9694509	16	3	1977–1989	0.72	M-v	4	Williams	22081	1989 UA ₆
1989 VC ₂	12.0	961113	70.44381	349.84257	18.49027	6.39975	0.1362283	3.3521413	31	4	1983–1995	0.75	M-v	3	Williams	28613	1989 VC ₂
1989 WR	13.5	961113	52.62577	327.45948	25.91910	6.83874	0.1810962	2.2704293	18	4	1955–1996	1.06	M-v	5	Bardwell	24582	1989 WR
1989 WT	13.5	961113	289.69304	69.14983	67.25277	4.42865	0.0323541	2.2683341	20	3	1984–1996	0.71	M-v	4	Williams	28584	1989 WT
1989 WO ₁	11.5	961113	52.34221	340.46671	62.59374	11.04337	0.1613278	3.4543262	38	5	1963–1996	0.78	M-v	2	Williams	26419	1989 WO ₁
1989 WB ₂	13.5	961113	216.57242	173.66299	292.62768	5.06332	0.2403246	2.6071242	22	5	1951–1993	0.88	M-v	2	Williams	22970	1989 WB ₂
1989 WS ₂	13.0	961113	18.46461	318.50385	107.21573	7.40256	0.1355650	2.2548086	14	3	1989–1997	0.96	M-v	4	Williams	23337	1989 WS ₂
1989 WG ₄	14.0	961113	41.52808	321.30800	103.72274	5.86079	0.0902820	2.1947147	33	4	1989–1997	0.52	M-v	1	Williams	25649	1989 WG ₄

1989 XD ₁	14.5	961113	52.24098	221.09847	150.23842	4.88023	0.1610204	2.2486814	15	5	1979–1996	0.78	M-v	2	Williams	23246	1989 XD ₁
1989 YA ₂	14.0	961113	251.16613	201.09986	280.05235	5.32398	0.1785290	2.5288627	30	4	1980–1994	0.91	M-v	3	Williams	23349	1989 YA ₂
1989 YL ₅	14.5	961113	298.09159	143.08266	312.29194	1.86491	0.1539920	2.4142940	31	3	1989–1996	0.86	M-v	3	Williams	28316	1989 YL ₅
1990 BV	13.5	961113	0.13999	316.32858	99.73862	10.55366	0.2240072	2.3663465	28	5	1979–1996	0.71	M-v	2	Williams	28613	1990 BV
1990 BY ₁	13.0	961113	291.70396	217.46583	244.60859	3.10746	0.1649923	2.4764080	15	4	1986–1996	0.82	M-v	2	Williams	28297	1990 BY ₁
1990 FG	13.5	961113	9.73918	2.12053	357.08045	25.73948	0.0303870	1.9107032	22	3	1982–1996	0.80	M-v	3	Williams	28316	1990 FG
1990 OW ₂	14.0	961113	229.45906	300.93994	81.82562	8.34695	0.1354419	2.3203462	23	4	1990–1995	0.63	M-v	2	Williams	24761	1990 OW ₂
1990 QM	13.5	961113	266.76422	125.54064	160.57293	2.83392	0.1800301	2.4273349	29	3	1990–1994	0.70	M-v	3	Bardwell	28614	1990 QM
1990 QA ₂	13.5	961113	82.02244	114.39311	320.52249	1.59143	0.0627055	2.6311671	23	7	1976–1995	0.67	M-v	1	Williams	26419	1990 QA ₂
1990 QS ₂	12.5	961113	300.46880	1.23251	143.44993	2.64232	0.0131819	2.9015421	28	7	1983–1996	0.63	M-v	1	Bardwell	24118	1990 QS ₂
1990 QK ₄	15.0	961113	234.34818	203.57662	157.32932	2.65188	0.2192715	2.3812532	27	3	1990–1996	0.63	M-v	4	Williams	27103	1990 QK ₄
1990 QV ₄	12.5	961113	0.92860	284.98979	126.33529	11.15140	0.1074260	3.0519784	20	4	1987–1996	0.76	M-v	1	Bardwell	28316	1990 QV ₄
1990 QY ₈	13.0	961113	358.91465	317.07653	124.15237	3.97287	0.1215554	2.9196828	20	4	1951–1996	0.99	M-v	1	Williams	24229	1990 QY ₈
1990 QT ₉	15.0	961113	8.34229	167.80721	117.27256	1.55356	0.1322016	2.2006680	41	3	1990–1996	0.68	M-v	5	Williams	27566	1990 QT ₉
1990 QW ₁₀	14.5	961113	333.31404	277.35620	3.76958	4.93033	0.1573460	2.2710603	19	3	1990–1996	0.66	M-v	4	Williams	27325	1990 QW ₁₀
1990 RV	12.5	961113	294.39004	353.84452	119.86753	2.66763	0.1431116	3.0804373	18	4	1990–1996	0.81	M-v	1	Williams	26189	1990 RV
1990 RO ₂	15.0	961113	18.13413	328.80453	309.45645	3.76619	0.1271683	2.2073125	23	3	1990–1993	0.65	M-v	5	Williams	23338	1990 RO ₂
1990 RE ₅	12.5	961113	201.13989	246.87295	333.29340	12.65880	0.1071531	2.9766478	27	6	1955–1995	0.74	M-v	2	Williams	28614	1990 RE ₅
1990 SW	13.5	961113	319.51797	84.44204	205.97141	8.48845	0.1158567	2.3418592	28	5	1971–1996	0.86	M-v	1	Williams	27325	1990 SW
1990 SY ₂	12.5	961113	72.95652	295.17600	106.52986	3.23042	0.0712026	2.8472064	17	5	1976–1995	0.80	M-v	1	Williams	27933	1990 SY ₂
1990 SV ₁₃	14.0	961113	152.85059	20.35577	7.59256	4.42986	0.0598245	2.5383633	19	4	1978–1993	0.67	M-v	4	Williams	22273	1990 SV ₁₃
1990 SJ ₁₆	12.5	961113	26.63291	71.90231	297.89385	5.20302	0.2151194	3.0997724	14	4	1952–1996	0.75	M-v	2	Williams	19306	1990 SJ ₁₆
1990 SX ₁₆	13.0	961113	62.02341	338.97730	11.71496	10.19342	0.1190709	2.9756346	18	6	1954–1991	0.83	M-v	2	Williams	21974	1990 SX ₁₆
1990 SL ₂₈	13.0	961113	193.95788	0.13145	321.00436	1.25075	0.1939401	2.6409484	39	6	1964–1994	0.73	M-v	1	Williams	24761	1990 SL ₂₈
1990 TM ₁	11.0	961113	73.86951	242.63900	86.46950	6.62741	0.0494106	3.2549483	19	3	1979–1996	0.72	M-v	5	Williams	28584	1990 TM ₁
1990 TN ₁	13.5	961113	295.88085	196.19329	317.62781	16.98499	0.0656384	1.9784892	22	5	1986–1997	0.69	M-v	2	Williams	25649	1990 TN ₁
1990 TO ₃	13.5	961113	210.17077	55.71006	216.83038	1.24904	0.0290122	2.8418860	19	3	1990–1995	0.62	M-v	5	Williams	26757	1990 TO ₃
1990 TS ₄	12.5	961113	146.08811	297.90455	101.51691	10.00298	0.0641254	2.6349239	14	3	1988–1996	0.85	M-v	3	Williams	28614	1990 TS ₄
1990 TH ₇	13.5	961113	58.48435	314.62966	6.17288	1.00550	0.2332844	3.2820774	16	5	1954–1997	0.44	M-v	3	Marsden	24761	1990 TH ₇
1990 TK ₈	12.5	961113	239.26845	172.01139	42.99217	10.83615	0.0672838	3.0243259	27	6	1988–1997	0.68	M-v	1	Marsden	28614	1990 TK ₈
1990 UG	12.0	961113	36.09563	222.12246	205.82288	11.57493	0.0375647	2.9382964	20	4	1980–1996	0.73	M-v	2	Bardwell	26579	1990 UG
1990 VX ₃	13.5	961113	168.48615	110.33238	38.75514	3.18321	0.1798183	2.3352220	22	6	1982–1996	1.11	M-v	2	Williams	27934	1990 VX ₃
1990 VU ₁₄	12.0	961113	2.83024	19.10191	81.41050	7.77984	0.1077001	3.0575145	19	4	1979–1996	0.64	M-v	2	Williams	26579	1990 VU ₁₄
1990 WL	12.0	961113	14.94830	270.13831	139.59643	9.24441	0.1402023	3.1540349	17	4	1983–1996	0.54	M-v	1	Williams	21975	1990 WL
1990 WB ₂	14.0	961113	133.13070	61.41456	110.21260	7.28660	0.1448225	2.3656394	23	4	1977–1993	0.65	M-v	2	Williams	23247	1990 WB ₂
1990 WR ₂	13.5	961113	170.20404	335.46911	94.14081	9.00881	0.2519128	2.5401741	20	3	1979–1995	0.84	M-v	3	Williams	27934	1990 WR ₂
1990 WQ ₃	14.0	961113	22.02611	177.16496	101.74474	7.58459	0.2129538	2.2796202	30	3	1990–1996	0.60	M-v	3	Williams	27325	1990 WQ ₃
1990 WN ₅	11.5	961113	234.11301	162.56215	58.01336	11.17015	0.0434642	3.0136120	27	3	1993–1996	0.86	M-v	3	Williams	28316	1990 WN ₅
1991 AD	12.5	961113	183.11399	125.63655	262.04242	7.65557	0.1754558	2.6970225	26	7	1982–1996	0.82	M-v	2	Williams	28614	1991 AD
1991 AJ	12.0	961113	9.53863	2.46104	112.09267	10.35504	0.1737313	3.1995002	32	5	1951–1996	0.58	M-v	1	Williams	25063	1991 AJ
1991 AA ₁	13.0	961113	177.89584	302.59797	85.66552	4.81340	0.0944890	2.7592696	23	6	1979–1996	0.62	M-v	1	Williams	28614	1991 AA ₁
1991 AH ₁	14.5	961113	175.88641	256.38247	267.30281	1.16770	0.1402138	2.3958004	27	4	1989–1996	0.71	M-v	3	Williams	27934	1991 AH ₁
1991 CN	13.5	961113	226.26832	162.88809	1.35580	3.98436	0.0736564	2.2730355	44	5	1989–1996	0.69	M-v	2	Williams	27934	1991 CN
1991 CX	14.5	961113	253.56599	304.19147	228.26881	2.77905	0.0665196	2.2042796	39	6	1955–1996	0.85	M-v	2	Williams	28316	1991 CX
1991 CB ₁	17.5	961113	101.65030	345.53680	317.56376	14.57500	0.5947991	1.6872440	30	3	1991–1997	0.46	M-v	5	Williams	28614	1991 CB ₁
1991 CC ₃	13.5	961113	46.58995	35.76302	180.38499	4.44566	0.1090436	2.7360874	31	4	1988–1996	0.77	M-v	1	Williams	27325	1991 CC ₃
1991 CM ₃	13.5	961113	264.43934	297.80532	127.62905	4.54806	0.1304705	2.4317326	26	6	1951–1995	0.84	M-v	2	Williams	25226	1991 CM ₃
1991 DD	14.0	961113	197.16130	93.52445	35.51120	2.47677	0.1313790	2.4374371	39	5	1989–1996	0.76	M-v	1	Williams	27728	1991 DD
1991 EE	17.5	961113	206.36542	115.10142	169.12544	9.75955	0.6244087	2.2465341	81	3	1991–1994	0.61	M-v	2	Williams	25529	1991 EE
1991 ES ₁	12.5	961113	192.39720	264.67838	165.63305	14.13189	0.1806091	2.6434989	44	5	1976–1996	0.88	M-v	1	Williams	27567	1991 ES ₁
1991 FA	17.0	961113	62.83046	91.82841	339.52854	3.08109	0.4470941	1.9781506	31	2	1991–1994	0.48	M-v	4	Williams	23684	1991 FA
1991 FS ₁	14.5	961113	135.76421	178.61138	51.53593	0.41576	0.1526082	2.4205799	29	5	1954–1996	0.72	M-v	2	Williams	27934	1991 FS ₁

1991 GQ	12.5	961113	39.43906	298.09789	219.53289	15.62659	0.0659905	3.1799468	22	5	1988–1996	0.87	M-v	1	Williams	26925	1991 GQ
1991 GC ₁	13.5	961113	114.93370	222.31072	14.98128	13.83732	0.2089798	2.5334873	33	3	1991–1996	0.99	M-v	3	Williams	28316	1991 GC ₁
1991 GC ₁₀	15.0	961113	308.07379	59.86440	46.86342	5.30331	0.0924351	2.2726671	33	3	1989–1996	0.69	M-v	2	Williams	28614	1991 GC ₁₀
1991 JA	14.0	961113	220.03498	158.28702	58.88548	7.78365	0.0662475	2.2886820	28	4	1984–1997	0.81	M-v	2	Williams	23349	1991 JA
1991 JL	14.5	961113	212.49152	39.67257	191.40478	5.53511	0.1661793	2.2796450	17	5	1984–1994	0.63	M-v	2	Williams	23247	1991 JL
1991 KA	14.0	961113	229.77582	132.95874	106.72568	4.66011	0.1010980	2.2385811	22	5	1984–1996	0.82	M-v	2	Williams	23538	1991 KA
1991 NV ₁	13.5	961113	94.65117	135.50255	253.31211	6.17564	0.1209898	2.3826232	30	4	1988–1996	0.60	M-v	2	Williams	26757	1991 NV ₁
1991 NS ₂	14.0	961113	133.93478	97.11506	185.61290	7.66975	0.1711537	2.5519258	18	5	1979–1995	0.96	M-v	4	Williams	25734	1991 NS ₂
1991 OW	14.5	961113	228.82378	336.49224	282.46675	5.88400	0.1984131	2.2939110	16	4	1950–1997	0.71	M-v	3	Williams	23684	1991 OW
1991 PG ₃	13.5	961113	64.23733	137.43155	91.48729	2.77049	0.1535197	3.0445467	16	3	1990–1995	0.80	M-v	4	Williams	24897	1991 PG ₃
1991 PN ₈	14.0	961113	4.74142	212.83986	175.34505	1.95122	0.2308076	2.7663546	21	3	1982–1996	0.79	M-v	3	Williams	28073	1991 PN ₈
1991 PT ₁₀	15.5	961113	99.51150	68.66545	282.22340	3.09314	0.2633683	2.5417277	21	4	1987–1997	0.58	M-v	3	Williams	25974	1991 PT ₁₀
1991 PK ₁₁	12.5	961113	340.13396	131.30959	313.54187	6.82899	0.1782587	2.7447806	23	4	1973–1996	0.59	M-v	1	Bardwell	28086	1991 PK ₁₁
1991 PQ ₁₂	12.5	961113	33.48340	89.30028	173.53387	1.08315	0.1250559	3.1485084	18	3	1991–1995	0.73	M-v	4	Williams	25441	1991 PQ ₁₂
1991 PT ₁₄	14.5	961113	284.14921	50.79865	141.82288	2.82618	0.0480395	2.3731667	25	3	1991–1997	0.76	M-v	5	Williams	25958	1991 PT ₁₄
1991 PK ₁₅	14.0	961113	91.16659	19.62390	321.17637	3.89862	0.2312505	2.5835453	31	5	1954–1997	0.63	M-v	2	Williams	25734	1991 PK ₁₅
1991 PP ₁₆	13.5	961113	148.96107	190.08442	151.65265	5.39531	0.1550576	2.3932475	22	3	1990–1995	0.92	M-v	4	Williams	27120	1991 PP ₁₆
1991 PF ₁₈	13.5	961113	39.86573	148.42645	262.80204	3.77489	0.1293062	2.5558828	26	6	1987–1996	0.80	M-v	1	Williams	28614	1991 PF ₁₈
1991 RM ₂	13.5	961113	190.58205	187.20593	168.05623	8.71218	0.2086921	2.2598786	27	4	1923–1994	0.70	M-v	2	Williams	25538	1991 RM ₂
1991 RV ₁₆	15.0	961113	161.17874	19.42233	21.72765	7.14870	0.1166926	2.2369517	17	3	1991–1996	0.71	M-v	3	Williams	27712	1991 RV ₁₆
1991 RY ₁₆	12.5	961113	155.52590	161.95906	62.88633	7.25775	0.0702928	2.8477383	23	6	1955–1994	0.82	M-v	1	Williams	25538	1991 RY ₁₆
1991 RJ ₂₂	14.0	961113	240.97653	214.54768	120.63724	4.48112	0.2111253	2.1448944	22	2	1991–1996	0.61	M-v	4	Williams	27935	1991 RJ ₂₂
1991 TW ₁	13.0	961113	29.63848	347.09241	51.80666	5.86529	0.1610445	2.7565021	23	5	1973–1994	0.85	M-v	2	Williams	23685	1991 TW ₁
1991 TH ₂	14.0	961113	145.93745	219.34546	159.22890	2.59839	0.2222932	2.3741001	21	4	1969–1993	0.95	M-v	4	Williams	22273	1991 TH ₂
1991 TF ₇	13.0	961113	277.94752	315.76763	217.94698	10.97631	0.2077893	2.6000633	21	4	1977–1996	0.68	M-v	2	Marsden	27104	1991 TF ₇
1991 TT ₁₃	12.0	961113	239.04120	245.58487	279.94948	11.60321	0.1377174	3.1036068	27	4	1991–1996	0.72	M-v	1	Marsden	28316	1991 TT ₁₃
1991 VH	17.0	961113	87.84194	207.08168	139.49112	13.91690	0.1438043	1.1365815	68	2	1991–1997	0.62	M-v	3	Marsden	28615	1991 VH
1991 VN	15.0	961113	75.09093	208.74127	153.73506	2.18548	0.3352465	2.6752534	16	3	1978–1997	0.89	M-v	5	Williams	21976	1991 VN
1991 YX	14.0	961113	199.48132	265.73182	134.83011	5.79011	0.1604914	2.2738849	13	3	1987–1994	0.73	M-v	3	Williams	28615	1991 YX
1992 AF	12.5	961113	326.34959	261.82065	228.50024	7.87550	0.2366609	3.0068075	28	4	1982–1997	0.70	M-v	3	Williams	22084	1992 AF
1992 AK ₁	12.0	961113	0.88677	293.93873	99.56283	2.91870	0.1685751	3.2308314	33	4	1990–1996	0.83	M-v	1	Williams	28086	1992 AK ₁
1992 AR ₁	13.0	961113	5.15739	235.16323	290.15319	6.57002	0.1909010	2.6765498	19	3	1986–1995	0.69	M-v	4	Williams	26563	1992 AR ₁
1992 AO ₂	14.0	961113	38.50248	71.73805	118.18834	8.57147	0.1397811	2.4393287	19	3	1992–1995	0.66	M-v	2	Williams	26758	1992 AO ₂
1992 AM ₃	13.5	961113	41.21826	138.06690	294.11650	14.79062	0.2086210	2.8015080	22	2	1992–1995	0.50	M-v	4	Williams	25974	1992 AM ₃
1992 AP ₃	14.0	961113	130.20472	128.10475	312.12899	2.69042	0.1854833	2.41117673	30	3	1987–1994	0.82	M-v	4	Williams	25538	1992 AP ₃
1992 BB ₅	12.5	961113	359.90854	316.69300	101.57059	6.89121	0.2012738	3.1914573	17	3	1979–1997	0.76	M-v	3	Williams	28585	1992 BB ₅
1992 CU	12.0	961113	321.98188	77.96680	84.16854	9.92413	0.1116893	3.0091567	24	4	1990–1997	0.75	M-v	2	Williams	28615	1992 CU
1992 CC ₁	15.0	961113	71.00959	21.89631	349.30821	36.89242	0.3749527	1.3915798	97	4	1992–1997	0.62	M-v	2	Marsden	28615	1992 CC ₁
1992 DA	13.5	961113	84.45028	164.73841	27.76131	3.71266	0.1675267	2.3426746	20	4	1954–1994	0.86	M-v	3	Williams	24583	1992 DA
1992 DM ₆	11.5	961113	118.22843	234.93399	116.00405	2.25375	0.1635565	3.1193438	24	5	1962–1995	0.69	M-v	1	Williams	26421	1992 DM ₆
1992 DC ₁₁	15.5	961113	166.69660	314.71253	152.46985	3.23529	0.1313446	2.3084672	16	4	1980–1994	0.69	M-v	1	Williams	24583	1992 DC ₁₁
1992 EE ₁₁	13.0	961113	254.45557	133.75468	93.34442	1.91019	0.1371598	3.1203207	36	5	1954–1997	0.64	M-v	2	Williams	26580	1992 EE ₁₁
1992 EU ₁₁	14.5	961113	34.77983	270.86381	337.56894	6.48013	0.1503580	2.3659566	11	2	1992–1993	0.70	M-v	5	Williams	25640	1992 EU ₁₁
1992 EK ₁₄	13.5	961113	214.82398	19.15556	336.31077	3.60019	0.2562161	2.5499843	12	3	1980–1994	0.57	M-v	5	Williams	24392	1992 EK ₁₄
1992 JF	14.0	961113	64.17356	235.12486	56.37174	4.69083	0.2162193	2.2938510	26	6	1957–1995	0.83	M-v	1	Williams	27935	1992 JF
1992 LJ	14.0	961113	47.06265	100.63706	145.13723	4.11642	0.1444119	2.4819665	30	6	1976–1996	0.89	M-v	3	Williams	27567	1992 LJ
1992 OX ₁	14.0	961113	7.78845	268.30301	136.83488	7.70014	0.0933802	2.2779543	28	3	1989–1996	0.54	M-v	3	Williams	28317	1992 OX ₁
1992 OV ₂	14.5	961113	343.28655	289.90861	128.77332	8.58676	0.0871525	2.3159981	23	5	1987–1996	0.83	M-v	2	Williams	28086	1992 OV ₂
1992 PC	15.5	961113	83.28523	158.11047	196.83065	4.77339	0.2159241	2.2000934	25	3	1991–1995	0.70	M-v	3	Williams	25640	1992 PC
1992 PV	15.0	961113	23.44969	174.28076	202.43887	2.51459	0.0708294	2.3186002	49	3	1992–1996	0.61	M-v	3	Williams	28615	1992 PV
1992 PX	14.0	961113	23.75420	210.31840	161.57259	4.54058	0.1276111	2.3503307	30	3	1980–1996	0.93	M-v	3	Williams	28586	1992 PX
1992 PY	14.5	961113	22.97086	83.59221	311.75371	21.38026	0.2953117	2.3421750	25	4	1985–1997	0.81	M-v	1	Williams	28615	1992 PY

1992 PG ₂	14.0	961113	345.27476	112.76433	193.39112	8.04292	0.2864567	2.7435407	20	2	1992–1996	0.77	M-v	4	Marsden	27310	1992 PG ₂
1992 PY ₂	11.5	961113	279.13226	132.66233	287.64252	14.37899	0.1051439	2.6274652	25	3	1992–1996	0.82	M-v	3	Williams	28086	1992 PY ₂
1992 RC ₇	13.0	961113	280.79772	243.74403	132.49932	2.79151	0.1196712	2.9382877	20	5	1982–1994	1.07	M-v	2	Williams	22594	1992 RC ₇
1992 SV ₁₂	13.5	961113	136.80739	285.29732	6.50517	7.42362	0.1826823	2.2599601	15	5	1955–1996	0.84	M-v	2	Williams	24119	1992 SV ₁₂
1992 SY ₁₄	13.5	961113	39.93349	164.32602	239.54490	7.70354	0.1084610	2.2740388	14	4	1982–1996	0.98	M-v	2	Williams	25650	1992 SY ₁₄
1992 SC ₂₄	13.5	961113	11.57083	168.17143	237.22944	6.10767	0.1210652	2.3840361	16	6	1981–1996	0.74	M-v	2	Williams	28317	1992 SC ₂₄
1992 TC	18.0	961113	37.85007	275.39645	88.75600	7.08825	0.2921268	1.5657157	154	4	1990–1997	0.68	M-v	1	Williams	28615	1992 TC
1992 UH ₂	14.5	961113	25.53929	168.15394	223.41140	5.59798	0.1446924	2.4410713	20	4	1991–1996	0.86	M-v	2	Marsden	25441	1992 UH ₂
1992 UD ₃	13.5	961113	28.70587	180.57087	230.37135	8.15476	0.1565592	2.3747006	19	5	1955–1997	0.97	M-v	2	Williams	22085	1992 UD ₃
1992 UG ₄	12.5	961113	330.46677	270.99240	62.33035	6.76460	0.1621880	3.0076955	17	6	1971–1996	0.79	M-v	1	Williams	27936	1992 UG ₄
1992 UY ₄	17.5	961113	347.91963	37.30666	309.20379	2.83544	0.6199501	2.6554357	45	2	1992–1996	0.77	M-v	1	Williams	27310	1992 UY ₄
1992 UX ₅	13.5	961113	353.62011	320.18368	160.30954	5.36533	0.0792364	2.2836624	31	6	1987–1996	0.80	M-v	1	Williams	26421	1992 UX ₅
1992 VR	14.5	961113	19.80245	218.57182	179.62523	1.74624	0.1602074	2.4664988	20	3	1988–1996	0.64	M-v	4	Williams	27730	1992 VR
1992 WD ₁	14.5	961113	39.71245	304.08683	100.37267	3.15027	0.1907974	2.3748556	8	3	1981–1992	0.98	M-v	5	Williams	21594	1992 WD ₁
1992 WU ₁	14.5	961113	355.80636	164.92232	231.38967	5.22244	0.3433899	2.5892583	10	4	1946–1996	0.61	M-v	3	Williams	22238	1992 WU ₁
1992 WY ₁	14.0	961113	12.82931	96.31841	0.58654	3.28676	0.0873481	2.3104432	16	3	1988–1992	0.62	M-v	4	Williams	21277	1992 WY ₁
1992 WP ₃	12.5	961113	295.92573	102.44675	281.04619	9.50313	0.1225266	3.0543290	17	6	1949–1994	0.89	M-v	2	Williams	27730	1992 WP ₃
1992 WR ₃	12.5	961113	281.27084	28.18389	92.63045	14.04221	0.1116024	2.6798465	42	3	1992–1996	0.60	M-v	2	Williams	28086	1992 WR ₃
1992 WV ₃	13.5	961113	45.20365	53.99467	12.63597	5.39111	0.1039494	2.3236421	31	5	1958–1996	0.87	M-v	2	Williams	22432	1992 WV ₃
1992 WP ₄	12.5	961113	11.38004	78.73585	324.36313	14.40018	0.1694462	2.5587752	27	5	1973–1996	0.84	M-v	2	Williams	23685	1992 WP ₄
1992 YY	12.0	961113	226.90570	324.04524	268.57572	11.39789	0.0889840	2.5321004	24	3	1959–1997	0.46	M-v	4	Williams	28586	1992 YY
1992 YU ₂	14.5	961113	358.40052	199.42155	228.00221	4.02167	0.2642957	2.5759412	23	3	1971–1997	0.58	M-v	3	Williams	28616	1992 YU ₂
1992 YW ₃	12.0	961113	294.19332	26.46488	87.89245	12.02671	0.2116018	2.7983612	30	4	1956–1996	0.58	M-v	1	Williams	23675	1992 YW ₃
1993 BM	12.5	961113	280.55677	187.45556	326.32414	8.50009	0.0883613	2.7626588	25	4	1979–1997	0.70	M-v	3	Williams	28616	1993 BM
1993 BN	13.0	961113	293.47859	200.78303	319.51913	9.51365	0.1369611	2.6665308	38	4	1986–1997	0.65	M-v	2	Williams	26421	1993 BN
1993 BF ₃	14.0	961113	337.33032	150.04595	332.86861	4.88632	0.1578221	2.5568138	14	5	1985–1996	0.78	M-v	4	Bardwell	26421	1993 BF ₃
1993 BO ₃	14.0	961113	86.39181	355.40728	84.75041	4.59471	0.1439014	2.2732911	28	2	1993–1995	0.65	M-v	4	Williams	26580	1993 BO ₃
1993 BP ₃	13.5	961113	39.33917	136.28936	327.84271	24.18558	0.1908550	2.3725381	18	3	1951–1995	0.77	M-v	2	Williams	27310	1993 BP ₃
1993 BE ₅	11.5	961113	291.67632	84.16171	311.72675	2.26678	0.0280103	3.6532286	27	6	1984–1996	0.91	M-v	1	Williams	27730	1993 BE ₅
1993 CO	12.0	961113	321.26591	37.58630	43.31962	2.55996	0.0733931	2.9217656	31	9	1976–1996	0.93	M-v	1	Williams	28616	1993 CO
1993 FL ₄	13.0	961113	56.40717	295.53214	138.78790	2.16079	0.1335941	2.5467218	18	3	1991–1995	0.87	M-v	4	Williams	26173	1993 FL ₄
1993 FW ₈	14.0	961113	90.60379	304.75097	58.09373	2.87282	0.0442314	2.8884323	22	4	1990–1997	0.70	M-v	2	Williams	27915	1993 FW ₈
1993 FJ ₁₀	12.0	961113	4.98534	16.51379	67.82599	2.98242	0.0430875	2.8828870	17	5	1981–1996	0.63	M-v	1	Williams	23522	1993 FJ ₁₀
1993 FS ₁₄	11.5	961113	8.89538	295.11287	105.05015	6.44341	0.1591702	3.1611017	11	3	1992–1996	0.62	M-v	4	Williams	28588	1993 FS ₁₄
1993 FM ₁₆	11.5	961113	358.38278	341.32363	67.56397	5.99195	0.1160597	3.2432095	14	3	1993–1996	0.59	M-v	4	Williams	28087	1993 FM ₁₆
1993 FU ₁₇	14.0	961113	145.05421	12.41286	47.00361	7.34902	0.1353052	2.2464164	22	4	1991–1996	0.65	M-v	2	Williams	26926	1993 FU ₁₇
1993 FH ₂₂	13.0	961113	141.79710	107.32319	196.80802	0.57654	0.1555773	3.1526433	18	4	1977–1995	0.59	M-v	2	Williams	26421	1993 FH ₂₂
1993 FE ₂₃	13.5	961113	226.47891	354.73474	1.96133	8.75613	0.1709931	2.2642464	13	7	1977–1996	0.68	M-v	2	Williams	26926	1993 FE ₂₃
1993 FK ₂₃	12.5	961113	178.56034	270.08789	4.77210	8.50870	0.0829782	3.0127855	11	3	1972–1994	0.59	M-v	4	Williams	23524	1993 FK ₂₃
1993 FG ₂₄	12.0	961113	159.84468	92.25539	194.81154	9.93194	0.0980232	3.0406844	25	5	1977–1996	0.79	M-v	1	Williams	25960	1993 FG ₂₄
1993 FN ₂₆	12.5	961113	309.87545	235.77302	274.25673	3.03584	0.1462897	2.7978729	16	5	1983–1996	0.66	M-v	1	Williams	26173	1993 FN ₂₆
1993 FS ₂₉	14.0	961113	185.33149	350.60655	289.65369	3.72717	0.0600465	2.8490821	12	3	1993–1997	0.65	M-v	3	Williams	26401	1993 FS ₂₉
1993 FS ₃₉	12.5	961113	143.68700	147.21410	171.21069	1.85097	0.1088334	2.9345382	21	5	1979–1995	0.63	M-v	1	Williams	26421	1993 FS ₃₉
1993 FT ₄₁	12.5	961113	358.63788	93.52575	1.69705	1.64111	0.0600505	2.8463119	22	5	1981–1996	0.75	M-v	1	Williams	23528	1993 FT ₄₁
1993 FZ ₄₆	15.5	961113	341.00083	125.85622	5.96510	3.66241	0.1125203	2.6836210	15	4	1971–1997	0.60	M-v	2	Williams	26401	1993 FZ ₄₆
1993 FK ₈₀	12.5	961113	347.47618	16.93171	38.55140	4.70427	0.2046512	3.1303878	15	4	1979–1997	0.55	M-v	1	Williams	25428	1993 FK ₈₀
1993 FX ₈₁	12.0	961113	289.19763	69.87235	83.63477	6.62438	0.1256829	2.9397635	17	4	1982–1996	0.69	M-v	3	Williams	28589	1993 FX ₈₁
1993 GH	11.5	961113	163.88223	258.24063	38.45358	11.02951	0.0752739	3.0133524	57	8	1948–1997	0.75	M-v	1	Williams	27936	1993 GH
1993 GM	13.0	961113	353.22202	335.51914	125.81374	3.20085	0.0691586	2.9334330	22	6	1954–1996	0.80	M-v	1	Williams	26421	1993 GM
1993 GN ₁	15.0	961113	56.14207	286.01675	258.40212	4.11695	0.1228024	2.2155274	21	3	1978–1993	0.70	M-v	4	Williams	22595	1993 GN ₁
1993 HO ₁	16.5	961113	141.28043	105.15391	22.84130	5.90317	0.4164510	1.9883058	48	4	1979–1996	0.47	M-v	2	Williams	27730	1993 HO ₁
1993 HW ₁	13.5	961113	339.57003	176.89949	76.06501	12.51918	0.2049166	2.2987521	16	2	1993–1996	0.61	M-v	3	Williams	26903	1993 HW ₁

1993 HL ₆	13.5	961113	30.17392	345.57120	215.86271	7.51314	0.1432560	2.1964208	19	4	1967–1993	0.87	M-v	2	Williams	23539	1993 HL ₆
1993 LD ₁	14.5	961113	162.45709	336.97040	336.08880	11.16811	0.1118458	3.0582742	17	4	1973–1997	1.28	M-v	2	Williams	23981	1993 LD ₁
1993 MK	14.0	961113	39.82980	236.72335	112.47076	24.49726	0.0918303	1.9438820	10	4	1973–1996	0.65	M-v	2	Williams	22489	1993 MK
1993 OV	14.0	961113	336.39900	171.02689	248.04568	19.56869	0.1180948	1.9130397	14	3	1991–1996	0.71	M-v	3	Bardwell	28074	1993 OV
1993 OM ₃	14.5	961113	68.80170	93.21243	120.63532	6.40358	0.1085651	2.2347716	30	4	1986–1996	0.70	M-v	2	Williams	27326	1993 OM ₃
1993 OY ₆	15.0	961113	1.31869	148.72389	121.42845	6.15790	0.2209693	2.2968730	12	3	1937–1993	0.68	M-v	4	Williams	24110	1993 OY ₆
1993 OP ₁₂	15.0	961113	293.67624	197.11175	153.40301	2.41392	0.1583756	2.3271790	18	2	1993–1996	0.67	M-v	5	Marsden	27311	1993 OP ₁₂
1993 QH ₃	13.0	961113	195.39312	119.07630	278.54719	0.91825	0.0869079	2.8411565	17	5	1987–1996	0.83	M-v	2	Williams	26927	1993 QH ₃
1993 SQ ₂	13.5	961113	295.72431	140.90724	178.20363	13.94696	0.1896847	2.6077562	17	3	1975–1993	0.66	M-v	2	Williams	28616	1993 SQ ₂
1993 SY ₃	13.5	961113	254.06942	193.85824	207.99563	5.87945	0.1726379	2.5494057	20	6	1955–1996	0.68	M-v	2	Williams	28318	1993 SY ₃
1993 SS ₄	15.0	961113	247.10530	42.40219	357.48315	1.75784	0.2254473	2.5506413	19	2	1989–1993	0.57	M-v	6	Williams	23341	1993 SS ₄
1993 SG ₅	13.5	961113	76.60849	350.07462	135.27602	1.94048	0.1543397	3.1920427	15	3	1983–1994	0.68	M-v	6	Williams	23342	1993 SG ₅
1993 TE	14.5	961113	289.52267	161.52595	192.46390	8.68640	0.2741150	2.5423211	25	5	1985–1996	0.76	M-v	3	Williams	28616	1993 TE
1993 TX	13.0	961113	268.11527	329.71440	42.26434	11.54811	0.2959135	2.6157297	26	3	1972–1996	0.88	M-v	3	Marsden	27567	1993 TX
1993 TE ₅	14.0	961113	25.96814	46.09009	280.90426	2.96450	0.2267094	2.1984185	35	3	1983–1996	0.59	M-v	3	Williams	28318	1993 TE ₅
1993 VE	12.5	961113	331.11665	272.94797	39.33946	13.55639	0.1792503	2.6115391	20	3	1975–1996	0.73	M-v	2	Marsden	27313	1993 VE
1993 WD	17.0	961113	235.55638	132.28645	56.59163	63.46253	0.2666275	1.0066805	281	5	1991–1997	0.62	M-v	3	Williams	28616	1993 WD
1993 XO ₁	13.5	961113	65.37764	115.83150	212.65268	4.27892	0.1651918	2.2555025	25	3	1993–1996	0.64	M-v	3	Williams	28318	1993 XO ₁
1993 XN ₂	16.5	961113	4.25990	312.85952	59.74847	25.38140	0.5351530	2.1181445	92	3	1993–1997	0.57	M-v	1	Williams	28616	1993 XN ₂
1993 YH	13.0	961113	63.83321	144.33972	97.54076	2.47488	0.1123519	3.0935142	38	5	1989–1996	0.76	M-v	1	Williams	28616	1993 YH
1993 YJ	14.5	961113	17.29459	91.50803	296.72335	3.48953	0.1801168	2.1789812	37	3	1986–1997	0.81	M-v	4	Williams	23135	1993 YJ
1994 AQ ₂	13.0	961113	248.34209	334.05426	109.13161	3.26369	0.0287240	2.8355494	33	5	1978–1996	0.62	M-v	1	Williams	27730	1994 AQ ₂
1994 AM ₃	14.0	961113	265.42409	166.07495	2.65163	6.76557	0.0863793	2.2198350	37	3	1981–1997	0.71	M-v	4	Marsden	28301	1994 AM ₃
1994 BY	14.0	961113	286.93613	108.16770	35.97479	5.16525	0.1101632	2.2250279	22	3	1989–1996	0.66	M-v	3	Williams	28318	1994 BY
1994 BJ ₄	13.5	961113	106.90425	292.23330	276.12806	8.45378	0.0438931	3.0734561	19	3	1991–1996	0.52	M-v	3	Williams	27717	1994 BJ ₄
1994 BN ₄	14.0	961113	85.03771	74.89733	254.38120	5.69677	0.1496103	2.3071165	39	2	1994–1997	0.55	M-v	5	Williams	28590	1994 BN ₄
1994 CA ₁	15.5	961113	148.54244	66.81915	196.02541	4.48386	0.0675645	2.3986463	39	2	1994–1997	0.52	M-v	4	Williams	27937	1994 CA ₁
1994 CB ₁	14.0	961113	270.32607	197.29872	248.03005	3.17586	0.2975497	2.5694694	19	4	1988–1996	0.89	M-v	2	Williams	27730	1994 CB ₁
1994 CE ₂	14.0	961113	118.79521	270.78193	39.50303	0.57599	0.0549181	2.3718325	28	3	1991–1996	0.79	M-v	5	Williams	28617	1994 CE ₂
1994 CM ₂	13.5	961113	2.41659	132.27981	295.47417	6.46361	0.0416385	2.2674453	24	5	1982–1996	0.83	M-v	3	Williams	28318	1994 CM ₂
1994 ER	14.5	961113	354.94626	335.27850	114.98021	6.48147	0.1240593	2.2703789	20	6	1980–1997	0.75	M-v	2	Williams	23791	1994 ER
1994 EC ₁	14.0	961113	318.68944	334.05931	153.59019	5.15642	0.0914961	2.2649457	23	5	1955–1997	0.76	M-v	1	Bardwell	23539	1994 EC ₁
1994 EL ₃	13.5	961113	140.40910	147.26911	165.89966	12.97870	0.0837249	2.3910779	24	2	1994–1997	0.85	M-v	4	Williams	28590	1994 EL ₃
1994 EJ ₇	13.5	961113	50.88797	293.02159	90.19468	5.99937	0.1439825	2.2901815	26	2	1994–1997	0.74	M-v	5	Williams	28590	1994 EJ ₇
1994 FB	14.5	961113	358.93219	259.98025	193.60950	2.27896	0.0513001	2.2436826	43	3	1994–1997	0.77	M-v	3	Williams	28617	1994 FB
1994 FS	14.0	961113	151.23969	64.10803	205.76665	1.87190	0.1824183	2.4384363	39	3	1994–1997	0.64	M-v	3	Williams	28617	1994 FS
1994 FZ	13.5	961113	234.35693	131.91345	100.58597	5.68937	0.1887716	2.3719545	22	5	1990–1996	0.84	M-v	2	Williams	26191	1994 FZ
1994 GO ₁	12.5	961113	97.75682	192.30578	158.37551	15.11880	0.1685275	2.6247179	27	6	1978–1996	0.38	M-v	1	Bardwell	26191	1994 GO ₁
1994 JK ₉	13.0	961113	227.49799	132.36756	78.62788	15.15899	0.1619086	2.6096655	13	5	1954–1996	0.48	M-v	2	Williams	25532	1994 JK ₉
1994 PC	17.0	961113	17.02316	256.59540	124.53478	9.45388	0.3170366	1.5682138	193	4	1982–1997	0.64	M-v	1	Williams	28617	1994 PC
1994 PA ₁	11.5	961113	354.31988	324.18544	174.46338	12.76376	0.0435106	2.9221867	40	5	1954–1997	0.65	M-v	1	Williams	28318	1994 PA ₁
1994 PC ₁	17.0	961113	291.88332	47.53501	117.98106	33.50145	0.3278739	1.3457009	134	4	1974–1997	0.60	M-v	1	Williams	28617	1994 PC ₁
1994 PP ₁	15.0	961113	3.68824	190.29260	60.14936	23.39672	0.0541029	1.9385721	24	3	1989–1996	0.66	M-v	2	Williams	27313	1994 PP ₁
1994 PV ₁₆	14.0	961113	245.29558	277.77230	347.08133	3.17994	0.0518934	2.7199246	17	4	1981–1994	0.91	M-v	1	Williams	25219	1994 PV ₁₆
1994 PF ₂₂	14.0	961113	218.75119	26.01985	337.76927	6.31939	0.1956326	2.2581034	23	7	1972–1996	0.87	M-v	2	Williams	28617	1994 PF ₂₂
1994 PV ₂₄	12.0	961113	84.73414	337.67531	23.72926	2.88280	0.2610918	3.9469927	33	4	1987–1997	0.74	M-v	1	Williams	26422	1994 PV ₂₄
1994 RM ₁	11.5	961113	187.58187	97.72028	199.51797	16.71521	0.0956381	3.2358907	39	3	1994–1997	0.68	M-v	3	Williams	26581	1994 RM ₁
1994 TH ₂	12.0	961113	204.07239	187.69222	105.90451	2.52996	0.1283738	3.1399372	25	5	1978–1996	0.87	M-v	2	Williams	28617	1994 TH ₂
1994 UK ₅	14.0	961113	134.79570	0.89115	53.64786	3.14299	0.1479782	2.8387066	21	4	1989–1994	0.53	M-v	1	Williams	28590	1994 UK ₅
1994 UP ₁₁	13.5	961113	221.19161	314.05290	80.27998	3.37015	0.1763151	2.2450510	28	5	1957–1996	0.62	M-v	2	Williams	27122	1994 UP ₁₁
1994 VT	14.5	961113	158.15907	132.83589	335.83215	1.97875	0.1737697	2.4044721	14	3	1981–1994	0.60	M-v	4	Williams	27937	1994 VT
1994 VA ₁	19.0	961113	235.87936	310.74283	231.88717	7.63355	0.1748386	1.5732383	26	2	1994–1996	0.48	M-v	5	Williams	28591	1994 VA ₁

1994 VC ₁	13.5	961113	195.47600	345.68900	20.39153	3.68965	0.2160756	2.7138746	34	3	1976–1994	0.43	M-v	4	Williams	24573	1994 VC ₁
1994 WW	15.0	961113	255.03956	227.84540	112.30540	4.25365	0.1155331	2.4377495	90	3	1992–1996	0.68	M-v	3	Williams	27122	1994 WW
1994 WQ ₁	13.0	961113	174.97331	4.90248	45.24925	2.73616	0.0697955	2.8711511	23	8	1954–1996	0.74	M-v	1	Williams	28617	1994 WQ ₁
1994 WG ₃	14.5	961113	262.74880	256.05509	103.62161	4.06782	0.2217254	2.1840851	22	3	1981–1996	0.78	M-v	4	Williams	27122	1994 WG ₃
1994 WS ₃	14.0	961113	152.14189	234.13358	208.16393	5.20257	0.2558226	2.6599782	54	3	1981–1996	0.66	M-v	2	Williams	28301	1994 WS ₃
1994 WQ ₁₂	12.5	961113	155.91269	204.83820	167.97979	1.41309	0.1771173	3.2041736	13	3	1982–1996	0.81	M-v	4	Williams	26760	1994 WQ ₁₂
1994 XY	14.0	961113	255.81529	270.04268	91.95928	7.31622	0.1342151	2.2817722	36	4	1955–1996	0.64	M-v	1	Williams	27108	1994 XY
1994 XS ₄	14.0	961113	17.27403	161.06659	105.74791	7.41955	0.1356193	2.4133224	33	3	1993–1996	0.54	M-v	3	Williams	27456	1994 XS ₄
1994 YX ₁	13.5	961113	63.35962	185.08970	12.69916	3.12314	0.0517565	2.7516604	33	6	1987–1996	0.70	M-v	1	Williams	27568	1994 YX ₁
1995 AF	12.0	961113	273.93156	28.33858	294.36771	11.53944	0.1681588	2.6653794	22	4	1967–1995	0.83	M-v	3	Williams	24915	1995 AF
1995 AH	14.0	961113	212.51674	268.67668	138.34053	4.14855	0.1294143	2.6134336	23	4	1989–1996	0.54	M-v	1	Williams	28617	1995 AH
1995 AJ	13.5	961113	335.18913	39.01377	286.30052	6.42363	0.2071745	2.2377637	17	3	1989–1995	0.71	M-v	4	Williams	24755	1995 AJ
1995 AN	14.0	961113	226.16861	123.27117	343.97497	18.11359	0.0772106	1.9681268	20	4	1977–1995	0.60	M-v	3	Williams	25442	1995 AN
1995 BB	13.5	961113	247.57686	45.17469	306.24035	1.05946	0.0811622	2.8386144	27	4	1987–1995	0.74	M-v	3	Williams	24915	1995 BB
1995 BJ ₁	12.5	961113	113.87251	24.15295	97.35681	2.30234	0.1387613	3.2139197	48	3	1990–1996	0.65	M-v	4	Williams	27568	1995 BJ ₁
1995 BO ₁	13.5	961113	151.77340	277.67787	256.44452	3.61361	0.0779652	2.2471017	20	4	1980–1995	0.58	M-v	2	Williams	25533	1995 BO ₁
1995 BA ₃	13.5	961113	156.00001	34.05406	74.38769	1.48827	0.1231690	2.7961987	23	6	1986–1996	0.63	M-v	1	Williams	27456	1995 BA ₃
1995 CS ₁	15.5	961113	132.96961	71.80556	197.65964	23.09317	0.0777653	1.8597370	25	3	1980–1997	0.46	M-v	2	Williams	28617	1995 CS ₁
1995 DE ₂	13.0	961113	251.32487	68.70029	324.56704	3.68894	0.0782267	2.6310929	26	4	1989–1995	0.58	M-v	2	Williams	28617	1995 DE ₂
1995 EE ₈	13.0	961113	179.17187	142.19438	350.57952	15.06915	0.1230045	2.6228592	11	4	1978–1995	0.98	M-v	2	Williams	25334	1995 EE ₈
1995 FV	14.0	961113	143.41182	70.78260	154.43239	4.76745	0.0907505	2.3051688	20	3	1989–1995	0.71	M-v	3	Williams	28591	1995 FV
1995 HC	14.5	961113	51.73617	134.39670	179.85154	2.36464	0.1746078	2.2496237	19	2	1995–1996	0.53	M-v	4	Williams	28075	1995 HC
1995 HG	14.0	961113	105.27129	234.03792	54.40659	5.45280	0.1260469	2.2480510	15	4	1989–1996	0.56	M-v	1	Williams	28591	1995 HG
1995 HR	12.5	961113	61.15708	76.88998	199.21380	11.15218	0.1878869	3.1295784	13	5	1977–1996	0.61	M-v	2	Williams	28087	1995 HR
1995 JG	14.5	961113	316.48259	49.82636	35.38791	21.68390	0.0527216	1.9792000	31	2	1995–1997	0.54	M-v	4	Williams	28617	1995 JG
1995 LH	14.0	961113	101.60057	265.94643	49.68415	11.45033	0.4079881	2.6944456	80	2	1995–1996	0.53	M-v	2	Williams	28592	1995 LH
1995 NB	13.5	961113	68.99300	257.11513	107.43000	5.36165	0.3590273	2.9123309	84	3	1992–1997	0.54	M-v	1	Marsden	28592	1995 NB
1995 OD	15.0	961113	140.37714	341.21733	323.31572	1.29221	0.0524407	2.2951827	48	2	1995–1997	0.58	M-v	4	Williams	28592	1995 OD
1995 OE	13.0	961113	275.64433	217.54372	255.80778	8.89918	0.0567786	3.0601877	47	2	1995–1997	0.42	M-v	3	Marsden	28617	1995 OE
1995 ON	14.0	961113	180.79238	112.21416	130.03716	6.97383	0.1281803	2.2925647	49	3	1984–1997	0.49	M-v	3	Marsden	28618	1995 ON
1995 OT	14.0	961113	137.21565	268.73585	33.29736	4.14951	0.2047922	2.2823311	14	3	1985–1997	0.65	M-v	4	Williams	26192	1995 OT
1995 OE ₁	15.0	961113	24.85808	255.51141	153.83618	2.49194	0.0636322	2.8623808	35	2	1995–1996	0.36	M-v	3	Williams	28618	1995 OE ₁
1995 PC	15.0	961113	64.20162	306.43661	36.68008	0.30222	0.2097568	3.1267914	37	3	1991–1996	0.67	M-v	3	Williams	28618	1995 PC
1995 PG	15.5	961113	4.44616	124.40528	332.54224	14.56204	0.1387725	2.5500147	28	2	1995–1997	0.42	M-v	3	Williams	28593	1995 PG
1995 QG ₂	13.0	961113	189.69489	177.29325	75.36979	7.23903	0.0972338	2.3577784	18	4	1985–1997	0.79	M-v	2	Williams	26192	1995 QG ₂
1995 QM ₂	13.0	961113	106.62579	215.55108	109.26912	4.56691	0.0972484	2.7712440	24	4	1989–1997	0.90	M-v	4	Williams	26192	1995 QM ₂
1995 QQ ₃	14.5	961113	84.66987	231.78284	134.44906	5.64161	0.1515872	2.5558992	26	5	1987–1996	0.67	M-v	2	Williams	28618	1995 QQ ₃
1995 SH	13.5	961113	257.74644	9.13078	188.96805	13.53570	0.0936341	2.6206941	32	2	1995–1996	0.38	M-v	3	Williams	27919	1995 SH
1995 SZ ₄	14.5	961113	64.36395	167.38512	203.33496	2.73032	0.1156971	2.5860532	40	2	1995–1997	0.58	M-v	4	Williams	28593	1995 SZ ₄
1995 SH ₅	14.0	961113	57.74828	94.68411	297.36486	0.67582	0.1022832	2.9899337	48	2	1995–1997	0.34	M-v	3	Marsden	28593	1995 SH ₅
1995 SB ₁₃	12.5	961113	91.11825	177.05538	174.58106	4.46443	0.0805254	2.7835836	17	6	1951–1996	0.54	M-v	2	Williams	28618	1995 SB ₁₃
1995 SB ₂₇	15.0	961113	196.69449	266.39080	14.77827	2.40683	0.1499753	2.2527726	17	3	1988–1995	0.54	M-v	3	Williams	26178	1995 SB ₂₇
1995 TC	14.0	961113	152.53901	340.48516	313.64823	0.89310	0.0170281	2.9066628	58	2	1995–1997	0.59	M-v	4	Williams	28593	1995 TC
1995 TG	12.5	961113	83.88177	301.22989	60.84048	12.18557	0.1703554	3.1065740	73	2	1995–1996	0.57	M-v	3	Williams	28618	1995 TG
1995 TN	14.0	961113	50.92018	47.84661	1.86780	10.38819	0.0331295	3.0558265	52	2	1995–1997	0.45	M-v	3	Marsden	28594	1995 TN
1995 UX	15.0	961113	92.28955	189.12506	182.74645	1.83337	0.2137501	2.4039211	30	5	1980–1997	0.41	M-v	1	Williams	26760	1995 UX
1995 UR ₁	13.5	961113	116.94372	328.04485	32.72878	16.26015	0.1197857	2.6285142	50	4	1981–1997	0.51	M-v	2	Marsden	28594	1995 UR ₁
1995 UD ₂	13.5	961113	130.19153	100.31310	232.38636	8.72006	0.1445299	2.5385140	17	4	1979–1997	0.41	M-v	4	Williams	26179	1995 UD ₂
1995 US ₂	13.5	961113	48.82639	177.60964	266.42065	5.38077	0.1063116	2.5973467	27	5	1970–1997	0.48	M-v	1	Marsden	26746	1995 US ₂
1995 UV ₄	12.5	961113	272.38371	182.62829	56.60427	12.17320	0.1352887	2.4236180	29	4	1952–1995	0.73	M-v	2	Williams	26582	1995 UV ₄
1995 UC ₆	13.5	961113	192.09966	335.42366	320.26317	6.48110	0.1788954	2.1903169	15	4	1972–1997	0.71	M-v	2	Williams	26406	1995 UC ₆
1995 UX ₆	15.0	961113	88.93471	315.15656	42.54936	2.02179	0.1755598	3.1099962	30	2	1995–1997	0.55	M-v	4	Williams	28594	1995 UX ₆

1995 UV ₄₈	12.0	961113	15.47636	249.42770	281.22956	8.11080	0.0509995	3.0230293	33	6	1970–1996	0.63	M-v	2	Williams	28618	1995 UV ₄₈
1995 VR	13.5	961113	126.80171	109.93314	225.12159	11.86996	0.2015256	2.6456843	62	3	1994–1997	0.60	M-v	3	Marsden	28618	1995 VR
1995 VS	14.0	961113	135.06160	153.07579	218.58620	2.17547	0.1624139	2.2526964	15	6	1978–1995	0.55	M-v	2	Williams	26746	1995 VS
1995 WU	13.5	961113	54.27925	219.14254	270.17545	5.69587	0.2207546	2.3743310	28	4	1989–1995	0.57	M-v	2	Williams	26582	1995 WU
1995 WU ₂	12.5	961113	41.42548	51.01806	40.14976	6.66209	0.0653671	3.0365528	25	3	1989–1996	0.58	M-v	3	Williams	28618	1995 WU ₂
1995 WS ₄	14.5	961113	358.60209	243.66414	253.02644	6.77701	0.1616164	2.8049934	50	4	1992–1997	0.51	M-v	1	Marsden	26928	1995 WS ₄
1995 WN ₆	12.0	961113	69.42350	308.54852	95.28674	15.14798	0.3397931	3.1040100	41	4	1969–1997	0.44	M-v	2	Marsden	26747	1995 WN ₆
1995 WB ₇	11.5	961113	194.72508	353.21489	304.19974	12.58760	0.1502853	2.8524389	14	5	1978–1995	0.71	M-v	2	Williams	26760	1995 WB ₇
1995 WV ₄₂	12.0	961113	124.53042	234.32430	108.40045	14.80330	0.2292331	3.1315318	15	5	1988–1995	0.73	M-v	1	Williams	28618	1995 WV ₄₂
1995 WB ₄₃	13.0	961113	67.15823	93.15634	264.06442	4.34904	0.1450223	3.2110104	33	6	1961–1996	0.69	M-v	1	Williams	27110	1995 WB ₄₃
1995 YP	13.0	961113	259.59105	155.21498	113.04438	3.20936	0.0111603	2.8691886	23	4	1982–1996	0.64	M-v	3	Williams	28618	1995 YP
1995 YJ ₁	13.0	961113	156.83303	236.17827	128.97143	2.96111	0.0875648	2.8933106	16	4	1977–1995	0.78	M-v	3	Williams	28618	1995 YJ ₁
1995 YL ₁	14.0	961113	148.93430	114.33822	248.88392	2.61162	0.2759165	2.5722461	18	3	1982–1996	0.77	M-v	4	Williams	26761	1995 YL ₁
1995 YU ₉	14.0	961113	176.97356	65.70848	290.09722	9.25473	0.0664456	3.0085695	26	3	1988–1996	0.70	M-v	4	Williams	26747	1995 YU ₉
1996 BF	12.0	961113	136.23273	74.82057	320.35014	20.78254	0.0172799	3.1761800	56	4	1954–1997	0.39	M-v	1	Marsden	27123	1996 BF
1996 BK ₂	11.5	961113	172.15518	204.03740	153.08995	12.93977	0.1417365	3.1910809	23	5	1962–1996	0.73	M-v	2	Williams	26928	1996 BK ₂
1996 BO ₂	12.5	961113	32.87629	187.72437	337.30246	3.66042	0.0359780	3.0758682	39	3	1977–1996	0.62	M-v	4	Williams	26928	1996 BO ₂
1996 BQ ₂	12.0	961113	113.53712	291.30695	139.07067	15.15676	0.0679592	3.4080876	16	3	1991–1996	0.71	M-v	3	Williams	27123	1996 BQ ₂
1996 CC	13.5	961113	76.48511	328.24406	61.47572	19.50364	0.1288738	2.7012705	17	3	1990–1996	0.50	M-v	4	Williams	27315	1996 CC
1996 CR ₇	13.0	961113	238.97797	189.42633	146.95872	15.42761	0.1154072	2.5967602	26	5	1985–1996	0.87	M-v	2	Williams	27731	1996 CR ₇
1996 DF	13.0	961113	178.37901	280.75950	128.10964	5.91411	0.0688254	2.3681276	15	4	1992–1996	0.63	M-v	2	Williams	28618	1996 DF
1996 DQ ₂	14.0	961113	352.63505	145.69738	97.88688	5.14405	0.0492183	2.5251048	18	3	1980–1996	0.53	M-v	5	Williams	27560	1996 DQ ₂
1996 DV ₂	15.0	961113	318.01535	150.27996	150.58633	3.47880	0.1856387	2.1991744	21	4	1983–1996	0.57	M-v	2	Williams	27568	1996 DV ₂
1996 EV	14.5	961113	146.61546	264.90571	162.64116	12.23248	0.1332223	2.3370165	25	2	1994–1996	0.47	M-v	4	Williams	27457	1996 EV
1996 FW ₄	13.0	961113	26.87733	143.43378	66.02136	2.04917	0.1047153	3.1994627	17	4	1979–1996	0.61	M-v	2	Williams	27317	1996 FW ₄
1996 GA ₁₈	14.5	961113	46.72582	10.71908	205.37211	7.22688	0.1410265	2.5822603	19	2	1992–1996	0.79	M-v	4	Marsden	28303	1996 GA ₁₈
1996 GG ₂₀	13.0	961113	272.89001	216.01325	137.76216	2.54427	0.1296383	2.9128899	13	2	1978–1996	0.88	M-v	5	Marsden	27561	1996 GG ₂₀
1996 GR ₂₀	13.5	961113	12.61115	168.51430	79.84961	3.02180	0.1786523	3.1895609	21	3	1991–1996	0.86	M-v	4	Marsden	27457	1996 GR ₂₀
1996 HT	13.5	961113	49.02610	294.86458	288.24234	3.82633	0.0432729	2.4907264	25	4	1984–1996	0.53	M-v	4	Williams	27328	1996 HT
1996 HT ₁₄	13.0	961113	49.03083	86.96206	115.28291	2.32648	0.0973141	3.2119280	15	4	1981–1996	0.80	M-v	4	Williams	27561	1996 HT ₁₄
1996 JH	14.5	961113	341.25368	108.22393	215.42406	3.26908	0.1596462	2.3172148	15	5	1971–1996	0.71	M-v	3	Williams	27569	1996 JH
1996 JV	13.0	961113	5.84311	156.19217	118.52082	24.08135	0.1910009	2.4112134	34	4	1970–1996	0.62	M-v	2	Williams	28595	1996 JV
1996 NG	12.0	961113	341.76837	242.48865	108.29172	6.29174	0.1623232	3.1347498	20	3	1991–1996	0.75	M-v	4	Williams	27721	1996 NG
1996 NU ₁	12.0	961113	359.28938	18.10719	309.87657	10.21681	0.0569042	2.6776817	22	5	1978–1996	0.81	M-v	2	Williams	27721	1996 NU ₁
1996 OO ₂	12.5	961113	22.41661	70.56012	325.21976	9.97499	0.1291236	3.1551684	40	5	1973–1996	0.58	M-v	2	Williams	28618	1996 OO ₂
1996 PW	14.0	961113	0.01610	181.87765	144.47444	29.81611	0.9922528	327.2625476	228	1	142 days	0.50	M-v		Williams	28618	1996 PW
1996 PS ₁	10.5	961113	316.19748	184.07186	201.64332	21.26512	0.0862333	5.1794603	26	1	115 days	0.32	M-v	4	Williams	28596	1996 PS ₁
1996 PW ₆	14.5	961113	4.03393	18.79461	340.89992	1.72025	0.1978831	2.4318436	24	1	114 days	0.72	M-v	4	Williams	28618	1996 PW ₆
1996 PA ₇	14.0	961113	1.52911	303.43166	85.97796	25.39783	0.3516870	2.3246085	24	1	119 days	0.60	M-v	4	Bardwell	28619	1996 PA ₇
1996 RD ₁	15.5	961113	48.99674	131.15106	179.13987	3.43962	0.1488345	2.2048573	47	2	1960–1996	0.51	M-v	5	Williams	28305	1996 RD ₁
1996 RD ₄	13.0	961113	95.70916	252.33480	48.93684	13.36261	0.1620052	2.7158493	51	1	128 days	0.57	M-v	4	Williams	28596	1996 RD ₄
1996 RS ₅	12.0	961113	22.19714	346.13964	15.12408	14.48951	0.1838676	2.8887094	24	2	1991–1996	0.59	M-v	4	Williams	28619	1996 RS ₅
1996 SK	17.0	961113	344.47039	283.44692	198.29747	1.96083	0.7966302	2.4280311	72	1	82 days	0.60	M-v	5	Williams	28619	1996 SK
1996 SY ₄	15.5	961113	25.16088	276.74234	69.56793	2.97845	0.2053815	2.3998482	25	2	1981–1996	0.49	M-v	4	Williams	28619	1996 SY ₄
1996 SL ₇	14.5	961113	309.78014	73.85107	24.25094	6.18701	0.1306897	2.2810067	21	3	1989–1996	0.96	M-v	3	Williams	28619	1996 SL ₇
1996 TN	13.5	961113	26.62153	314.87978	45.29769	6.07497	0.0885799	2.2934795	29	3	1979–1997	0.47	M-v	3	Williams	28619	1996 TN
1996 TV ₁	15.0	961113	150.30363	66.25323	160.38037	3.97568	0.0806286	2.3028442	21	4	1989–1996	0.36	M-v	2	Williams	28306	1996 TV ₁
1996 TG ₅	14.5	961113	3.38391	308.10755	85.18583	2.46704	0.1090340	2.1544521	31	3	1992–1996	0.55	M-v	3	Williams	28619	1996 TG ₅
1996 TQ ₆	20.5	961113	7.04705	214.35581	171.89612	6.03971	0.4080053	2.3098190	24	1	60 days	0.77	M-v	5	Williams	28619	1996 TQ ₆
1996 TK ₁₀	14.5	961113	24.50204	27.14034	334.49240	5.63497	0.1489934	2.3565019	23	4	1985–1996	0.88	M-v	2	Williams	28619	1996 TK ₁₀
1996 TN ₁₀	12.5	961113	329.77704	68.11014	359.57217	9.59761	0.0924865	2.9873814	16	6	1980–1996	0.82	M-v	1	Williams	28308	1996 TN ₁₀
1996 TE ₁₁	16.0	961113	351.62988	261.93389	176.45084	24.95890	0.4708717	2.5701146	75	1	119 days	0.57	M-v	4	Williams	28619	1996 TE ₁₁

1996 TL ₁₂	12.5	961113	45.89639	299.63161	36.13242	13.49427	0.1885207	2.6851277	28	3	1960–1997	0.44	M-v	3	Williams	28619	1996 TL ₁₂
1996 UA	14.0	961113	45.14436	312.64449	18.17711	12.25499	0.1094105	2.6245129	30	1	93 days	0.25	M-v	4	Marsden	28598	1996 UA
1996 UK	16.0	961113	21.15380	134.44347	210.64824	10.68872	0.4596077	2.6900178	147	1	72 days	0.60	M-v	4	Williams	28619	1996 UK
1996 US	14.0	961113	35.34004	320.94561	20.60788	5.21116	0.2596716	2.6023878	24	1	85 days	0.59	M-v	4	Bardwell	28599	1996 US
1996 UT	12.0	961113	21.93459	208.31609	162.53511	1.37322	0.1717325	3.2034035	42	3	1978–1997	0.41	M-v	2	Williams	28619	1996 UT
1996 UP ₁	13.5	961113	85.03878	67.24293	215.81349	15.52489	0.1814186	2.6087505	24	2	1991–1997	0.69	M-v	4	Williams	28619	1996 UP ₁
1996 VP	14.5	961113	131.34401	196.51857	51.80635	2.99148	0.1679820	2.4155176	43	3	1988–1996	0.49	M-v	3	Williams	28619	1996 VP
1996 VO ₁	12.5	961113	42.07759	329.63076	34.58345	14.12779	0.1766827	2.5930759	15	2	1979–1997	0.35	M-v	4	Williams	28619	1996 VO ₁
1996 VY ₁	14.5	961113	303.53976	225.83001	270.66927	10.89687	0.1991242	2.6865137	22	2	1995–1996	0.36	M-v	4	Williams	28599	1996 VY ₁
1996 VC ₂	14.5	961113	55.25185	88.09296	254.10210	1.23451	0.1818724	2.1449241	32	4	1955–1997	0.73	M-v	3	Williams	28599	1996 VC ₂
1996 VF ₂	12.0	961113	33.33781	143.84276	234.74240	9.38241	0.1046938	3.0015792	19	4	1975–1996	0.57	M-v	1	Williams	28619	1996 VF ₂
1996 VW ₂	14.0	961113	339.21559	57.11592	19.86768	4.77355	0.0974877	2.2682234	16	3	1981–1996	0.69	M-v	4	Williams	28600	1996 VW ₂
1996 VD ₄	13.0	961113	116.69476	223.88630	80.73519	1.93186	0.1408875	3.1984402	24	5	1977–1996	0.62	M-v	2	Williams	28600	1996 VD ₄
1996 VA ₆	14.0	961113	12.48836	327.86656	84.77825	14.38406	0.1397515	2.5622056	21	2	1992–1996	0.51	M-v	4	Williams	28601	1996 VA ₆
1996 VB ₆	13.5	961113	9.05954	295.98495	126.21121	3.07813	0.0568598	2.8882696	15	2	1981–1996	0.47	M-v	5	Williams	28601	1996 VB ₆
1996 VE ₆	14.0	961113	32.31618	198.71205	184.45629	2.51495	0.1851488	2.3641093	19	3	1981–1996	0.60	M-v	3	Williams	28601	1996 VE ₆
1996 VP ₆	14.0	961113	4.87601	65.21970	326.37246	4.96945	0.1934268	2.5172611	19	3	1984–1996	0.82	M-v	4	Williams	28601	1996 VP ₆
1996 VQ ₆	13.5	961113	93.44220	229.48044	71.42750	13.86123	0.1855007	2.6495149	20	2	1990–1997	0.40	M-v	5	Marsden	28602	1996 VQ ₆
1996 VU ₇	14.5	961113	28.09385	313.36506	68.10412	3.61596	0.1868679	2.4423806	16	2	1992–1996	0.64	M-v	6	Williams	28602	1996 VU ₇
1996 VU ₈	15.5	961113	348.15472	216.37419	207.88438	6.13173	0.1312840	2.2396009	18	2	1995–1996	0.62	M-v	4	Williams	28603	1996 VU ₈
1996 VX ₈	14.0	961113	71.36585	112.42774	202.91107	6.38543	0.1981218	2.3276537	19	6	1978–1996	0.81	M-v	2	Williams	28603	1996 VX ₈
1996 VE ₉	12.0	961113	248.62188	95.54559	78.63824	11.00747	0.0448454	3.0077136	18	5	1951–1996	0.91	M-v	3	Williams	28603	1996 VE ₉
1996 VF ₉	14.5	961113	20.96065	270.14519	113.70290	3.02115	0.2196579	2.3686689	21	3	1985–1996	0.53	M-v	4	Williams	28603	1996 VF ₉
1996 VR ₃₀	12.0	961113	236.47482	278.97857	268.73654	6.65256	0.0240918	3.1767183	15	2	1990–1996	0.85	M-v	6	Williams	28604	1996 VR ₃₀
1996 VJ ₃₈	14.0	961113	47.45223	41.18235	325.02474	1.95708	0.0435051	2.2303583	23	4	1986–1996	0.67	M-v	2	Williams	28604	1996 VJ ₃₈
1996 WA	15.0	961113	357.02489	37.42575	32.30585	4.01331	0.1351648	2.2059670	20	3	1984–1996	0.83	M-v	3	Williams	28604	1996 WA
1996 WQ	13.0	961113	199.73679	268.92443	303.38104	11.85750	0.1380126	2.6008445	17	3	1975–1996	0.49	M-v	4	Marsden	28604	1996 WQ
1996 WZ	12.0	961113	46.29182	325.06272	56.83044	11.02610	0.0920913	3.0036917	17	4	1970–1996	0.57	M-v	3	Williams	28604	1996 WZ
1996 WC ₃	15.0	961113	37.85232	146.23147	199.71041	10.44999	0.1991416	2.6979338	22	3	1994–1996	0.24	M-v	2	Williams	28605	1996 WC ₃
1996 WG ₃	13.0	961113	108.19248	61.25951	208.10709	13.24594	0.1399258	2.6282750	25	3	1982–1996	0.61	M-v	3	Williams	28605	1996 WG ₃
1996 XG ₁	14.0	961113	58.03353	140.22118	212.64025	2.18517	0.1892725	2.4313678	19	4	1969–1996	0.45	M-v	2	Williams	28605	1996 XG ₁
1996 XR ₁	11.5	961113	58.96667	285.71343	87.85093	4.62524	0.2158880	3.9679103	24	3	1987–1996	0.38	M-v	4	Williams	28605	1996 XR ₁
1996 XU ₁	12.5	961113	266.26173	107.54226	93.79127	7.93126	0.1601057	2.4150136	16	3	1977–1996	0.43	M-v	4	Williams	28605	1996 XU ₁
1996 XV ₁	13.0	961113	107.76794	45.06934	283.84875	5.80893	0.1294715	2.3506496	13	2	1989–1996	0.35	M-v	4	Williams	28606	1996 XV ₁
1996 XE ₂	13.5	961113	294.26230	51.36612	75.27616	7.35355	0.0582710	2.3812695	23	2	1985–1996	0.68	M-v	5	Marsden	28606	1996 XE ₂
1996 XA ₉	13.5	961113	346.75976	289.49154	157.02411	2.33140	0.0347799	2.8738270	27	3	1976–1997	0.49	M-v	4	Marsden	28606	1996 XA ₉
1996 XE ₁₂	14.0	961113	110.08959	302.38091	42.42645	2.58511	0.1047375	2.9029626	18	2	1993–1997	0.32	M-v	4	Williams	28606	1996 XE ₁₂
2016 P-L	13.5	961113	297.51970	136.75265	198.15928	6.60775	0.1464312	2.7888479	17	2	1960–1996	1.00	M-v	5	Marsden	27320	2016 P-L
2025 P-L	12.0	961113	244.80633	229.98893	359.41686	9.53840	0.1839278	3.1994062	12	3	1960–1992	0.61	M-v	3	Williams	23866	2025 P-L
2091 P-L	15.5	961113	68.04916	133.19595	248.73510	3.51779	0.1163181	2.3210068	14	3	1960–1996	0.49	M-v	4	Williams	28619	2091 P-L
2206 P-L	14.5	961113	130.62352	284.85344	192.70561	5.26851	0.1234410	2.5987394	19	2	1960–1996	0.91	M-v	5	Marsden	27320	2206 P-L
2561 P-L	13.0	961113	218.52147	159.89863	24.08800	13.14365	0.0656191	2.7111788	21	5	1960–1996	0.85	M-v	2	Williams	28088	2561 P-L
2563 P-L	12.5	961113	207.91236	112.57866	150.45001	1.72288	0.1405223	3.2043312	34	7	1954–1997	0.73	M-v	1	Williams	26582	2563 P-L
2575 P-L	13.5	961113	263.85171	145.41439	71.43119	3.39596	0.0825332	2.8984144	29	5	1960–1997	0.64	M-v	2	Williams	26761	2575 P-L
2594 P-L	14.0	961113	186.59551	144.83368	149.15490	2.50690	0.0424161	2.8984821	21	4	1960–1997	0.39	M-v	1	Williams	23791	2594 P-L
2607 P-L	14.5	961113	327.29783	218.78366	192.38835	6.19198	0.2011383	2.7342509	17	2	1960–1996	0.59	M-v	4	Williams	28082	2607 P-L
2610 P-L	15.0	961113	349.08281	200.11229	178.45059	3.03095	0.1829193	2.5274952	17	3	1960–1996	0.50	M-v	4	Williams	27925	2610 P-L
2636 P-L	14.5	961113	179.65607	80.27493	167.00194	2.84177	0.1887973	2.3207872	18	4	1960–1994	0.76	M-v	2	Williams	27938	2636 P-L
2777 P-L	14.0	961113	335.82399	100.12716	159.68286	2.91755	0.1680918	2.4055954	23	7	1949–1993	0.96	M-v	2	Williams	27732	2777 P-L
3045 P-L	13.0	961113	187.04971	337.18972	332.83012	12.73439	0.1594833	2.6464913	31	3	1960–1994	0.66	M-v	3	Williams	22086	3045 P-L
3078 P-L	14.5	961113	198.87564	246.04890	295.29494	5.22203	0.0936376	2.3489809	18	4	1950–1992	0.60	M-v	3	Williams	25084	3078 P-L
3538 P-L	15.0	961113	241.65803	69.89317	291.62918	4.19159	0.2464590	2.2554115	36	4	1960–1994	0.81	M-v	1	Williams	28620	3538 P-L

3557 P-L	14.5	961113	122.20889	149.45192	312.71247	4.65674	0.1088483	2.2707496	14	5	1953-1996	0.81	M-v	3	Williams	26929	3557 P-L
4031 P-L	14.5	961113	282.25435	87.15632	341.79472	5.09182	0.1824504	2.3696382	16	3	1960-1991	0.96	M-v	4	Williams	22274	4031 P-L
4037 P-L	14.0	961113	2.67123	97.96548	358.02831	6.85171	0.0867972	2.3190817	14	3	1960-1995	0.48	M-v	4	Williams	25645	4037 P-L
4069 P-L	13.0	961113	57.69554	350.36297	203.20595	9.03625	0.0350683	3.0841722	20	4	1952-1996	0.65	M-v	2	Marsden	27328	4069 P-L
4087 P-L	15.0	961113	306.01956	155.54714	2.93511	2.03008	0.1143737	2.4811081	31	6	1960-1997	0.71	M-v	1	Williams	28620	4087 P-L
4089 P-L	14.0	961113	9.40627	161.69407	204.63494	8.60028	0.1783374	2.7263520	21	3	1960-1996	0.68	M-v	4	Williams	28319	4089 P-L
4095 P-L	15.5	961113	331.98367	207.83239	231.64234	4.36272	0.1418114	2.7126909	21	3	1960-1996	0.66	M-v	4	Williams	28319	4095 P-L
4186 P-L	15.5	961113	27.83474	112.36014	213.72415	2.00989	0.1782314	2.5241081	25	4	1960-1995	0.72	M-v	4	Williams	25341	4186 P-L
4206 P-L	14.5	961113	131.83256	328.38597	350.21543	11.77371	0.1713575	2.3132217	41	3	1960-1988	0.75	M-v	4	Williams	16034	4206 P-L
4586 P-L	12.5	961113	41.16413	334.50836	65.72680	1.38975	0.1259119	3.2298083	30	4	1960-1996	0.38	M-v	1	Williams	28620	4586 P-L
4588 P-L	15.5	961113	127.52831	143.41251	188.14287	5.66854	0.1756089	2.3102309	17	3	1960-1995	0.56	M-v	4	Williams	25645	4588 P-L
4606 P-L	15.0	961113	230.57351	214.85716	51.88029	2.05744	0.0806732	2.2943283	17	3	1960-1994	0.71	M-v	3	Williams	18830	4606 P-L
4614 P-L	13.5	961113	152.75893	70.86426	16.03553	6.05795	0.0080816	2.8142250	33	6	1960-1996	0.71	M-v	1	Williams	27938	4614 P-L
4668 P-L	14.5	961113	208.28079	27.18922	28.49445	7.47900	0.1026160	2.4042451	18	3	1960-1996	0.77	M-v	4	Marsden	27328	4668 P-L
4837 P-L	13.5	961113	285.61921	183.25400	9.27274	0.38115	0.1491517	3.2024420	19	3	1960-1997	0.45	M-v	6	Williams	23866	4837 P-L
5011 P-L	14.5	961113	27.11659	119.34709	243.20447	5.17650	0.0232557	2.7200006	9	3	1960-1991	0.49	M-v	4	Williams	20830	5011 P-L
6063 P-L	15.5	961113	162.82448	4.98611	314.57433	2.39372	0.1449193	2.1628445	15	4	1960-1995	0.55	M-v	3	Williams	26192	6063 P-L
6074 P-L	16.5	961113	125.17014	340.95313	342.23300	0.66635	0.1477459	2.1748490	15	3	1960-1997	0.75	M-v	4	Williams	21121	6074 P-L
6381 P-L	14.5	961113	230.86694	244.41142	182.20171	10.13066	0.0563936	2.5638156	18	3	1960-1993	0.68	M-v	4	Williams	23130	6381 P-L
6556 P-L	14.5	961113	262.08668	171.35687	173.30192	9.85403	0.1841023	2.7998842	15	3	1960-1996	0.53	M-v	4	Williams	27117	6556 P-L
6588 P-L	13.5	961113	40.20494	330.13735	89.62836	0.66137	0.1413768	3.2151270	28	4	1960-1995	0.71	M-v	4	Williams	26192	6588 P-L
6624 P-L	16.0	961113	59.95880	334.35402	58.94540	3.07537	0.0917894	2.3172492	15	4	1960-1997	0.61	M-v	3	Williams	21978	6624 P-L
6626 P-L	15.0	961113	258.13042	219.58034	1.74467	2.58152	0.0618306	2.3027658	14	3	1960-1997	0.60	M-v	4	Williams	22087	6626 P-L
9070 P-L	13.0	961113	252.22400	165.23144	209.66922	7.63408	0.2357002	2.7951088	17	3	1960-1996	0.95	M-v	4	Marsden	28319	9070 P-L
9508 P-L	12.5	961113	307.47403	93.55871	96.48569	2.37062	0.1339387	3.1721253	23	8	1954-1997	0.76	M-v	1	Williams	28620	9508 P-L
9515 P-L	14.0	961113	234.37017	341.64733	52.22204	3.63377	0.0940234	2.5767780	15	4	1960-1996	0.67	M-v	3	Williams	28620	9515 P-L
9530 P-L	14.0	961113	208.89761	289.79239	176.91786	9.69811	0.1647448	2.3837652	10	2	1960-1993	0.82	M-v	6	Williams	23986	9530 P-L
1024 T-1	11.0	961113	150.10375	83.77772	353.82936	10.70424	0.0738481	5.2000437	15	5	1954-1989	0.59	M-v	1	Williams	25539	1024 T-1
1163 T-1	13.5	961113	168.69600	4.47968	250.56546	3.15753	0.0905651	2.2420043	18	2	1971-1996	0.87	M-v	5	Williams	28312	1163 T-1
1181 T-1	13.0	961113	18.75828	229.37022	325.67477	3.60073	0.0889296	2.9446904	47	7	1971-1996	0.88	M-v	2	Williams	26929	1181 T-1
1217 T-1	13.5	961113	218.73564	89.92974	335.68602	2.46251	0.1138003	2.5475102	24	5	1969-1995	0.76	M-v	1	Williams	27732	1217 T-1
1220 T-1	14.0	961113	307.90756	219.32070	289.68036	1.45996	0.1444205	2.4275489	26	5	1971-1996	0.87	M-v	2	Williams	25652	1220 T-1
1251 T-1	12.5	961113	82.80155	37.40041	350.02248	9.12768	0.1039138	3.0540975	24	5	1971-1995	0.85	M-v	1	Williams	27938	1251 T-1
2245 T-1	14.5	961113	322.04957	9.04005	68.14763	3.35436	0.1480529	2.4583571	27	5	1950-1994	0.90	M-v	1	Williams	23993	2245 T-1
3099 T-1	14.5	961113	13.41544	102.74986	336.47217	5.46208	0.1101239	2.2161539	20	3	1971-1997	0.69	M-v	3	Williams	22087	3099 T-1
3222 T-1	15.0	961113	348.89891	82.40792	231.12945	1.60142	0.2091490	2.1281522	17	2	1971-1996	1.02	M-v	5	Marsden	27321	3222 T-1
4177 T-1	14.5	961113	104.24412	21.76974	25.77675	4.64978	0.1296965	2.1856253	23	5	1971-1995	0.84	M-v	2	Williams	27732	4177 T-1
4302 T-1	14.5	961113	79.61560	125.69628	53.26118	5.41024	0.0761125	2.5757158	15	2	1971-1996	0.91	M-v	4	Marsden	27322	4302 T-1
4408 T-1	13.5	961113	272.96266	310.46821	59.81228	4.59718	0.1974284	2.3162584	18	3	1971-1996	0.79	M-v	4	Marsden	27328	4408 T-1
1045 T-2	14.0	961113	273.17277	166.63211	199.78426	7.83268	0.1423463	2.2693982	27	4	1955-1996	0.97	M-v	3	Marsden	28620	1045 T-2
1179 T-2	14.5	961113	113.36263	33.67037	213.98131	1.76348	0.1643359	2.4471514	54	4	1973-1996	0.86	M-v	2	Williams	28608	1179 T-2
1218 T-2	14.0	961113	3.58140	283.73051	154.26764	0.96003	0.0787040	2.4070204	28	7	1955-1996	0.87	M-v	1	Williams	27732	1218 T-2
1274 T-2	14.5	961113	336.95883	69.37787	10.47401	1.90157	0.0357757	2.7272087	29	4	1973-1996	0.79	M-v	4	Williams	21952	1274 T-2
1353 T-2	15.0	961113	215.35179	72.10434	7.93937	0.80883	0.1193715	2.5255559	35	4	1973-1995	0.91	M-v	4	Williams	27939	1353 T-2
1355 T-2	13.0	961113	309.01075	90.16004	67.46868	0.31261	0.1231686	3.0880795	46	4	1973-1996	0.87	M-v	2	Williams	27732	1355 T-2
1402 T-2	16.0	961113	281.31126	21.40944	338.79090	2.51970	0.1305224	2.5215462	25	5	1973-1995	0.96	M-v	5	Williams	27939	1402 T-2
2116 T-2	15.0	961113	140.31016	63.27076	53.13851	0.38296	0.1496281	2.2967684	24	3	1973-1996	1.02	M-v	4	Marsden	27457	2116 T-2
2181 T-2	13.0	961113	174.18698	92.63846	188.37399	3.08040	0.0470766	2.6847293	25	3	1973-1997	0.77	M-v	4	Williams	16883	2181 T-2
2224 T-2	13.5	961113	208.01803	322.74046	41.89513	2.40110	0.0826401	2.9439740	48	7	1971-1996	1.10	M-v	2	Williams	28620	2224 T-2
2246 T-2	15.0	961113	102.92586	126.67714	186.71925	3.71955	0.2001222	2.7113984	25	3	1973-1995	0.68	M-v	4	Williams	25652	2246 T-2
2257 T-2	14.5	961113	240.03510	108.43361	22.55095	3.44258	0.1305676	2.4649603	27	4	1973-1996	0.94	M-v	3	Williams	28088	2257 T-2
3060 T-2	14.5	961113	259.63708	65.27997	71.87271	2.96027	0.1574734	2.4405050	52	6	1973-1996	0.99	M-v	3	Williams	28620	3060 T-2

3187 T-2	14.0	961113	358.82996	30.95235	16.97123	7.00116	0.0977300	2.4311485	27	4	1973–1996	1.06	M-v	2	Williams	28620	3187 T-2
3289 T-2	12.5	961113	64.85782	303.86883	169.29527	9.78087	0.0233265	2.9877754	33	5	1973–1996	0.85	M-v	2	Williams	26761	3289 T-2
3297 T-2	14.0	961113	228.37190	174.00410	40.48739	4.43090	0.1594894	2.3942332	36	7	1954–1996	0.75	M-v	2	Williams	27732	3297 T-2
3357 T-2	15.0	961113	327.06432	50.31049	44.66932	1.03502	0.1148339	2.1908114	21	4	1973–1996	0.67	M-v	2	Williams	28620	3357 T-2
3365 T-2	14.0	961113	322.40829	10.37981	52.81739	2.35376	0.1659126	3.1949415	29	3	1973–1996	0.93	M-v	5	Williams	28320	3365 T-2
4076 T-2	15.0	961113	240.04389	159.91223	30.47552	2.84892	0.1296999	2.4097167	25	2	1973–1996	0.91	M-v	5	Williams	28609	4076 T-2
4216 T-2	12.5	961113	23.25060	143.81678	169.28606	9.29893	0.1529559	3.9603534	27	4	1973–1992	0.74	M-v	1	Williams	21978	4216 T-2
4314 T-2	14.5	961113	2.10903	323.53418	96.08726	3.64154	0.1700834	2.4275338	19	5	1962–1996	0.84	M-v	2	Williams	22432	4314 T-2
1076 T-3	14.5	961113	236.58299	62.88873	308.78238	6.65486	0.1818690	2.2531274	32	7	1953–1994	0.77	M-v	2	Williams	24410	1076 T-3
2327 T-3	14.5	961113	15.00689	140.85505	257.56828	2.62798	0.1000583	2.7961751	29	4	1977–1996	0.68	M-v	2	Williams	28620	2327 T-3
2372 T-3	14.5	961113	231.68231	60.23182	247.80932	2.98014	0.2945135	3.0718049	27	4	1976–1996	0.68	M-v	1	Williams	27117	2372 T-3
2480 T-3	13.5	961113	191.25569	236.51276	354.17872	8.10112	0.1303474	2.4010027	28	6	1955–1996	1.06	M-v	2	Williams	28320	2480 T-3
3186 T-3	14.0	961113	55.74487	2.77626	54.96542	3.28524	0.1934677	2.3711526	28	7	1957–1995	0.75	M-v	1	Williams	27732	3186 T-3
3476 T-3	14.0	961113	70.98803	258.17082	93.61979	1.42075	0.1274641	2.1301620	26	3	1977–1996	0.86	M-v	5	Williams	23346	3476 T-3

EPHEMERIDES

EPHEMERIDES										1997 07 01	09 28.84	+20 01.8	5.335	4.592	39.2	8.0	22.0	
C/1997 A1 (NEAT)										1997 07 11	09 37.08	+19 24.1	5.410	4.577	31.8	6.7	22.0	
Elements MPC 28807																		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	1995 HM ₅	$a, e, i = 39.27, 0.24, 5$				Elements MPC 27122			
1997 01 22		09 15.38	+20 21.4	2.500	3.464	166.3	3.8	18.4		Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 02 01		08 51.06	+23 49.8	2.446	3.426	173.1	2.0	18.3		1997 01 22		12 43.00	−04 19.3	32.193	32.551	110.5	1.6	23.3
1997 02 11		08 25.05	+27 02.0	2.453	3.390	158.5	6.1	18.3		1997 02 01		12 42.73	−04 17.2	32.031	32.545	120.7	1.5	23.3
1997 02 21		07 59.39	+29 43.1	2.517	3.357	142.6	10.3	18.3		1997 02 11		12 42.29	−04 13.9	31.884	32.540	131.0	1.3	23.3
1997 03 03		07 35.98	+31 47.7	2.629	3.325	127.4	13.7	18.3		1997 02 21		12 41.69	−04 09.7	31.757	32.534	141.2	1.1	23.2
1997 03 13		07 16.13	+33 19.1	2.776	3.296	113.2	16.1	18.4		1997 03 03		12 40.96	−04 04.7	31.654	32.528	151.5	0.8	23.2
1997 03 23		07 00.35	+34 24.8	2.946	3.270	100.0	17.5	18.5		1997 03 13		12 40.12	−03 59.0	31.577	32.523	161.7	0.5	23.2
1997 04 02		06 48.55	+35 13.3	3.126	3.246	87.8	17.9	18.6		1997 03 23		12 39.23	−03 53.0	31.530	32.517	171.9	0.2	23.1
1997 04 12		06 40.29	+35 51.2	3.307	3.225	76.5	17.6	18.7		1997 04 02		12 38.30	−03 46.7	31.512	32.511	177.9	0.1	23.1
1997 04 22		06 35.04	+36 23.4	3.481	3.206	66.0	16.6	18.8		1997 04 12		12 37.38	−03 40.5	31.525	32.506	167.9	0.4	23.1
1997 05 02		06 32.23	+36 53.1	3.641	3.190	56.1	15.2	18.8		1997 04 22		12 36.50	−03 34.6	31.567	32.500	157.8	0.7	23.2
1997 05 12		06 31.39	+37 22.6	3.783	3.177	46.8	13.4	18.9		1997 05 02		12 35.69	−03 29.2	31.636	32.495	147.9	0.9	23.2
1997 05 22		06 32.09	+37 53.3	3.902	3.167	38.1	11.4	19.0		1997 05 12		12 35.00	−03 24.5	31.731	32.489	138.0	1.2	23.2
1997 06 01		06 33.96	+38 26.5	3.996	3.160	30.1	9.3	19.0		1997 05 22		12 34.43	−03 20.7	31.847	32.483	128.2	1.4	23.3

10P/Tempel 2

10P/Tempel 2					Elements <i>MPC</i> 27082					1997 06 11	12 33.78	-03 16.1	32.129	32.472	108.9	1.7	23.3					
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2	1997 06 21	12 33.72	-03 15.5	32.287	32.467	99.3	1.8	23.3					
1997 01 22	09 31.72	+19 24.5	3.779	4.726	162.5	3.6			21.1	1997 07 01	12 33.84	-03 16.1	32.448	32.461	98.8	1.8	23.3					
1997 02 01	09 24.79	+20 09.9	3.744	4.723	173.1	1.4			20.9	1997 07 11	12 34.15	-03 17.8	32.610	32.455	80.4	1.8	23.3					
1997 02 11	09 17.50	+20 53.3	3.741	4.719	171.5	1.8			21.0	1997 07 21	12 34.63	-03 20.8	32.767	32.450	71.0	1.7	23.3					
1997 02 21	09 10.38	+21 32.1	3.771	4.715	160.5	4.0			21.1	1997 07 31	12 35.29	-03 24.7	32.915	32.444	61.6	1.6	23.3					
1997 03 03	09 03.92	+22 04.2	3.831	4.709	149.1	6.2			21.3	1996 KW ₁					$a, e, i = 46.60, 0.00, 6$					Elements <i>MPC</i> 27429		
1997 03 13	08 58.53	+22 28.7	3.918	4.704	137.9	8.1			21.4	Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V				
1997 03 23	08 54.51	+22 45.1	4.028	4.697	127.1	9.7			21.5	1997 01 22	14 18.00	-13 30.0	46.672	46.602	85.3	1.2	23.9					
1997 04 02	08 52.04	+22 53.7	4.155	4.689	116.7	11.0			21.6	1997 02 01	14 18.12	-13 30.7	46.498	46.602	95.4	1.2	23.9					
1997 04 12	08 51.15	+22 55.1	4.294	4.681	106.7	11.8			21.7	1997 02 11	14 18.10	-13 30.7	46.327	46.602	105.6	1.2	23.8					
1997 04 22	08 51.81	+22 50.0	4.441	4.673	97.1	12.3			21.8	1997 02 21	14 17.93	-13 30.0	46.164	46.602	115.7	1.1	23.8					
1997 05 02	08 53.91	+22 39.1	4.590	4.663	87.9	12.5			21.9	1997 03 03	14 17.63	-13 28.6	46.014	46.602	125.8	1.0	23.8					
1997 05 12	08 57.33	+22 23.0	4.737	4.653	79.1	12.3			22.0	1997 03 13	14 17.20	-13 26.6	45.882	46.602	136.0	0.8	23.8					
1997 05 22	09 01.91	+22 02.3	4.879	4.642	70.6	11.9			22.0	1997 03 23	14 16.68	-13 24.1	45.772	46.602	146.0	0.7	23.8					
1997 06 01	09 07.48	+21 37.4	5.012	4.631	62.4	11.2			22.0	1997 04 02	14 16.07	-13 21.2	45.686	46.602	156.1	0.5	23.7					
1997 06 11	09 13.92	+21 08.8	5.134	4.618	54.5	10.3			22.0	1997 04 12	14 15.41	-13 17.9	45.628	46.602	166.1	0.3	23.7					
1997 06 21	09 21.08	+20 36.8	5.242	4.605	46.7	9.2			22.0	1997 04 22	14 14.70	-13 14.5	45.599	46.602	176.0	0.1	23.7					

1997 05 02	14 13.99	-13 11.1	45.599	46.602	174.0	0.1	23.7
1997 05 12	14 13.29	-13 07.7	45.629	46.602	164.2	0.3	23.7
1997 05 22	14 12.63	-13 04.5	45.687	46.602	154.4	0.5	23.7
1997 06 01	14 12.04	-13 01.6	45.771	46.602	144.6	0.7	23.8
1997 06 11	14 11.52	-12 59.2	45.879	46.602	134.9	0.9	23.8
1997 06 21	14 11.11	-12 57.3	46.007	46.602	125.3	1.0	23.8
1997 07 01	14 10.81	-12 56.0	46.152	46.602	115.7	1.1	23.8
1997 07 11	14 10.64	-12 55.3	46.310	46.602	106.1	1.2	23.8
1997 07 21	14 10.60	-12 55.4	46.475	46.602	96.5	1.2	23.9
1997 07 31	14 10.69	-12 56.1	46.644	46.602	87.0	1.2	23.9
1997 08 10	14 10.92	-12 57.5	46.811	46.602	77.5	1.2	23.9
1997 08 20	14 11.28	-12 59.6	46.972	46.602	68.0	1.2	23.9

1996 KX₁ $a, e, i = 39.54, 0.10, 1$ Elements *MPC* 27429

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 01 22		14 23.53	-13 45.2	35.795	35.705	84.0	1.6	24.2
1997 02 01		14 23.75	-13 46.0	35.622	35.705	94.1	1.6	24.2
1997 02 11		14 23.78	-13 45.9	35.450	35.705	104.2	1.5	24.2
1997 02 21		14 23.62	-13 45.0	35.286	35.705	114.3	1.4	24.2
1997 03 03		14 23.29	-13 43.1	35.135	35.705	124.5	1.3	24.2
1997 03 13		14 22.80	-13 40.5	35.000	35.705	134.6	1.1	24.2
1997 03 23		14 22.16	-13 37.1	34.887	35.705	144.7	0.9	24.1
1997 04 02		14 21.42	-13 33.2	34.798	35.705	154.8	0.7	24.1
1997 04 12		14 20.59	-13 29.0	34.737	35.705	164.8	0.4	24.1
1997 04 22		14 19.71	-13 24.4	34.704	35.706	174.8	0.1	24.0
1997 05 02		14 18.81	-13 19.8	34.701	35.706	175.2	0.1	24.0
1997 05 12		14 17.92	-13 15.3	34.728	35.706	165.3	0.4	24.1
1997 05 22		14 17.09	-13 11.0	34.783	35.706	155.4	0.7	24.1
1997 06 01		14 16.33	-13 07.2	34.864	35.706	145.6	0.9	24.1
1997 06 11		14 15.68	-13 03.9	34.970	35.706	135.9	1.1	24.1
1997 06 21		14 15.17	-13 01.3	35.096	35.706	126.2	1.3	24.2
1997 07 01		14 14.80	-12 59.4	35.239	35.706	116.6	1.5	24.2
1997 07 11		14 14.59	-12 58.4	35.396	35.706	107.0	1.6	24.2
1997 07 21		14 14.56	-12 58.3	35.560	35.706	97.5	1.6	24.2
1997 07 31		14 14.70	-12 59.2	35.728	35.706	87.9	1.6	24.2
1997 08 10		14 15.02	-13 00.9	35.896	35.707	78.4	1.6	24.2
1997 08 20		14 15.51	-13 03.4	36.057	35.707	69.0	1.5	24.2
1997 08 30		14 16.16	-13 06.8	36.209	35.707	59.5	1.4	24.2

1994 JS $a, e, i = 42.80, 0.24, 14$ Elements *MPC* 25539

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 01 22		16 00.42	-21 47.1	35.991	35.504	59.6	1.4	23.2
1997 02 01		16 01.12	-21 50.1	35.830	35.499	69.6	1.5	23.2
1997 02 11		16 01.63	-21 52.6	35.658	35.493	79.6	1.6	23.2
1997 02 21		16 01.95	-21 54.6	35.480	35.488	89.6	1.6	23.2
1997 03 03		16 02.06	-21 56.0	35.303	35.483	99.7	1.6	23.2
1997 03 13		16 01.97	-21 56.9	35.130	35.478	109.7	1.5	23.2
1997 03 23		16 01.68	-21 57.1	34.968	35.472	119.7	1.4	23.2
1997 04 02		16 01.21	-21 56.9	34.821	35.467	129.7	1.2	23.1
1997 04 12		16 00.57	-21 56.2	34.692	35.462	139.7	1.0	23.1
1997 04 22		15 59.80	-21 55.0	34.586	35.457	149.6	0.8	23.1
1997 05 02		15 58.93	-21 53.4	34.506	35.452	159.5	0.6	23.0
1997 05 12		15 57.98	-21 51.6	34.453	35.446	169.4	0.3	23.0

1997 05 22	15 56.99	-21 49.5	34.429	35.441	178.5	0.0	23.0
1997 06 01	15 56.01	-21 47.4	34.435	35.436	170.7	0.3	23.0
1997 06 11	15 55.05	-21 45.3	34.469	35.431	161.0	0.5	23.0
1997 06 21	15 54.17	-21 43.3	34.531	35.426	151.2	0.8	23.1
1997 07 01	15 53.38	-21 41.5	34.619	35.420	141.5	1.0	23.1
1997 07 11	15 52.73	-21 40.0	34.729	35.415	131.9	1.2	23.1
1997 07 21	15 52.23	-21 38.9	34.858	35.410	122.2	1.4	23.1
1997 07 31	15 51.90	-21 38.3	35.003	35.405	112.6	1.5	23.2
1997 08 10	15 51.75	-21 38.2	35.158	35.400	103.0	1.6	23.2
1997 08 20	15 51.80	-21 38.7	35.321	35.395	93.4	1.6	23.2
1997 08 30	15 52.04	-21 39.7	35.484	35.389	83.8	1.6	23.2
1997 09 09	15 52.47	-21 41.3	35.645	35.384	74.2	1.6	23.2
1997 09 19	15 53.09	-21 43.5	35.798	35.379	64.6	1.5	23.2

123P/West-Hartley Elements *MPC* 25932

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 01 22		16 12.40	-21 30.9	3.252	2.837	56.9	16.9	17.9	21.2
1997 02 01		16 25.02	-22 33.1	3.172	2.880	64.0	17.9	18.0	21.2
1997 02 11		16 36.43	-23 30.7	3.084	2.924	71.4	18.7	18.1	21.2
1997 02 21		16 46.38	-24 24.8	2.990	2.967	79.2	19.1	18.2	21.2
1997 03 03		16 54.68	-25 16.3	2.891	3.011	87.2	19.2	18.3	21.2
1997 03 13		17 01.05	-26 06.1	2.791	3.055	95.7	18.9	18.4	21.1
1997 03 23		17 05.26	-26 54.9	2.693	3.099	104.6	18.1	18.4	21.0
1997 04 02		17 07.11	-27 42.8	2.601	3.142	114.0	16.9	18.5	21.0
1997 04 12		17 06.42	-28 29.4	2.518	3.186	123.8	15.2	18.6	20.9
1997 04 22		17 03.17	-29 13.5	2.449	3.230	134.0	12.9	18.7	20.7
1997 05 02		16 57.53	-29 53.1	2.399	3.273	144.6	10.3	18.8	20.6
1997 05 12		16 49.86	-30 26.1	2.372	3.317	155.3	7.3	18.9	20.5
1997 05 22		16 40.83	-30 50.4	2.371	3.360	165.4	4.4	19.0	20.4
1997 06 01		16 31.27	-31 05.0	2.398	3.403	170.9	2.7	19.2	20.3
1997 06 11		16 22.04	-31 10.5	2.454	3.446	165.3	4.3	19.4	20.5
1997 06 21		16 13.97	-31 08.7	2.538	3.488	155.6	6.9	19.6	20.7
1997 07 01		16 07.64	-31 02.5	2.647	3.530	145.3	9.4	19.8	21.0
1997 07 11		16 03.38	-30 54.8	2.778	3.572	135.2	11.6	20.0	21.2
1997 07 21		16 01.35	-30 48.0	2.928	3.614	125.5	13.2	20.3	21.4
1997 07 31		16 01.48	-30 43.7	3.092	3.655	116.1	14.4	20.5	21.6
1997 08 10		16 03.63	-30 42.9	3.267	3.696	107.2	15.2	20.8	21.7
1997 08 20		16 07.63	-30 45.7	3.449	3.736	98.6	15.5	21.0	21.9
1997 08 30		16 13.24	-30 52.0	3.634	3.777	90.3	15.5	21.2	22.0
1997 09 09		16 20.29	-31 01.1	3.820	3.816	82.2	15.2	21.5	22.2
1997 09 19		16 28.57	-31 12.4	4.003	3.856	74.4	14.5	21.7	22.3
1997 09 29		16 37.90	-31 25.1	4.180	3.895	66.8	13.7	21.9	22.3
1997 10 09		16 48.15	-31 38.6	4.349	3.933	59.2	12.6	22.1	22.4
1997 10 19		16 59.15	-31 52.0	4.509	3.972	51.9	11.4	22.2	22.5
1997 10 29		17 10.78	-32 04.9	4.656	4.009	44.6	10.0	22.4	22.5
1997 11 08		17 22.92	-32 16.6	4.789	4.047	37.4	8.5		22.5
1997 11 18		17 35.44	-32 26.7	4.906	4.084	30.3	7.0		22.5

P/1990 S1 (Mueller 3) Elements *MPC* 27081

Date	TT	α_{2000}	δ_{2000}	Δ	r	Variation	m_1	m_2
1997 01 22		16 48.27	-14 15.6	5.115	4.546	-0.35 +1.0	21.1	22.5
1997 02 01		16 56.81	-14 20.3	4.968	4.525	-0.36 +1.0	21.0	22.4
1997 02 11		17 04.66	-14 20.6	4.810	4.503	-0.38 +1.0	20.9	22.4

1997 02 21	17 11.67	-14 16.7	4.643	4.481	-0.39	+1.0	20.8	22.3
1997 03 03	17 17.70	-14 09.0	4.470	4.459	-0.41	+1.0	20.7	22.2
1997 03 13	17 22.60	-13 58.0	4.295	4.436	-0.43	+1.0	20.6	22.2
1997 03 23	17 26.22	-13 44.3	4.120	4.414	-0.45	+1.0	20.5	22.1
1997 04 02	17 28.42	-13 28.5	3.950	4.391	-0.47	+1.0	20.4	21.9
1997 04 12	17 29.10	-13 11.4	3.789	4.368	-0.49	+1.0	20.3	21.8
1997 04 22	17 28.21	-12 54.0	3.641	4.345	-0.52	+1.1	20.2	21.7
1997 05 02	17 25.76	-12 37.2	3.510	4.322	-0.54	+1.1	20.1	21.5
1997 05 12	17 21.85	-12 22.0	3.400	4.298	-0.55	+1.2	20.0	21.3
1997 05 22	17 16.72	-12 09.4	3.315	4.275	-0.56	+1.3	19.9	21.2
1997 06 01	17 10.70	-12 00.5	3.257	4.251	-0.57	+1.3	19.8	21.0
1997 06 11	17 04.23	-11 56.2	3.227	4.227	-0.57	+1.4	19.8	21.0
1997 06 21	16 57.82	-11 57.1	3.227	4.203	-0.56	+1.4	19.8	21.1
1997 07 01	16 51.94	-12 03.6	3.254	4.179	-0.55	+1.4	19.8	21.2
1997 07 11	16 47.03	-12 15.8	3.306	4.155	-0.54	+1.4	19.8	21.3
1997 07 21	16 43.43	-12 33.4	3.381	4.130	-0.52	+1.5	19.8	21.4
1997 07 31	16 41.35	-12 55.9	3.473	4.106	-0.50	+1.4	19.8	21.5
1997 08 10	16 40.91	-13 22.5	3.580	4.081	-0.48	+1.4	19.9	21.6
1997 08 20	16 42.12	-13 52.4	3.696	4.056	-0.47	+1.4	19.9	21.7
1997 08 30	16 44.95	-14 24.6	3.818	4.032	-0.46	+1.4	20.0	21.7
1997 09 09	16 49.31	-14 58.0	3.941	4.007	-0.45	+1.3	20.0	21.8
1997 09 19	16 55.09	-15 31.7	4.064	3.982	-0.44	+1.3	20.0	21.9
1997 09 29	17 02.16	-16 04.8	4.182	3.957	-0.43	+1.2	20.1	21.9
1997 10 09	17 10.41	-16 36.4	4.293	3.932	-0.43	+1.2	20.1	21.9
1997 10 19	17 19.71	-17 05.7	4.394	3.907	-0.43	+1.1	20.1	21.9
1997 10 29	17 29.94	-17 31.9	4.484	3.882	-0.43	+1.0	20.1	21.9
1997 11 08	17 40.99	-17 54.4	4.561	3.857	-0.43	+0.9	20.2	21.9
1997 11 18	17 52.73	-18 12.7	4.624	3.832	-0.44	+0.8	20.2	21.8

30P/Reinmuth 1Elements *MPC* 27080

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 01 22		17 48.97	-18 58.5	4.760	3.993	34.9	8.1	21.9	22.0
1997 02 01		17 59.29	-18 59.8	4.705	4.035	42.6	9.5	22.0	22.0
1997 02 11		18 08.84	-18 57.8	4.633	4.075	50.4	10.8	22.0	22.1
1997 02 21		18 17.48	-18 53.1	4.547	4.116	58.4	11.8	22.0	22.1
1997 03 03		18 25.09	-18 46.6	4.448	4.155	66.6	12.6	22.0	22.1
1997 03 13		18 31.55	-18 38.9	4.340	4.195	75.1	13.2	22.0	22.1
1997 03 23		18 36.70	-18 30.9	4.224	4.233	83.7	13.5	22.0	22.0
1997 04 02		18 40.42	-18 23.4	4.106	4.271	92.7	13.5	22.0	22.0
1997 04 12		18 42.61	-18 17.1	3.988	4.309	102.0	13.2	21.9	
1997 04 22		18 43.16	-18 12.7	3.874	4.346	111.6	12.4	21.9	
1997 05 02		18 42.04	-18 10.6	3.770	4.382	121.5	11.3	21.8	
1997 05 12		18 39.26	-18 11.2	3.680	4.418	131.8	9.8	21.7	
1997 05 22		18 34.95	-18 14.5	3.609	4.454	142.4	8.0	21.6	
1997 06 01		18 29.34	-18 20.3	3.560	4.488	153.2	5.9	21.5	
1997 06 11		18 22.74	-18 28.3	3.538	4.523	164.0	3.5	21.4	
1997 06 21		18 15.61	-18 37.8	3.545	4.556	173.8	1.4	21.2	
1997 07 01		18 08.42	-18 48.6	3.582	4.590	171.4	1.9	21.3	
1997 07 11		18 01.65	-19 00.1	3.649	4.622	161.1	4.1	21.5	
1997 07 21		17 55.75	-19 12.3	3.744	4.654	150.4	6.2	21.7	
1997 07 31		17 51.03	-19 24.9	3.864	4.686	139.8	8.0	21.9	
1997 08 10		17 47.71	-19 37.9	4.006	4.717	129.5	9.5	22.0	
1997 08 20		17 45.91	-19 51.2	4.166	4.747	119.6	10.7	22.2	

1997 08 30	17 45.63	-20 04.6	4.338	4.777	109.9	11.5	22.3
1997 09 09	17 46.83	-20 17.9	4.520	4.807	100.5	11.9	22.4
1997 09 19	17 49.42	-20 30.8	4.706	4.835	91.4	12.0	22.5

1994 JR₁ $a, e, i = 39.74, 0.13, 4$ Elements *MPC* 25341

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 02 01		16 36.18	-18 21.6	35.276	34.827	62.2	1.4	23.1
1997 02 11		16 36.87	-18 22.1	35.118	34.827	72.1	1.5	23.1
1997 02 21		16 37.37	-18 22.1	34.951	34.828	82.1	1.6	23.1
1997 03 03		16 37.67	-18 21.6	34.780	34.829	92.0	1.6	23.1
1997 03 13		16 37.76	-18 20.8	34.610	34.830	102.0	1.6	23.1
1997 03 23		16 37.65	-18 19.5	34.446	34.830	111.9	1.5	23.1
1997 04 02		16 37.35	-18 18.0	34.293	34.831	121.9	1.4	23.1
1997 04 12		16 36.87	-18 16.1	34.155	34.832	131.8	1.2	23.1
1997 04 22		16 36.23	-18 14.1	34.038	34.832	141.7	1.0	23.0
1997 05 02		16 35.46	-18 11.9	33.944	34.833	151.5	0.8	23.0
1997 05 12		16 34.59	-18 09.7	33.875	34.834	161.3	0.5	23.0
1997 05 22		16 33.65	-18 07.5	33.835	34.834	170.7	0.3	22.9
1997 06 01		16 32.68	-18 05.4	33.823	34.835	176.0	0.1	22.9
1997 06 11		16 31.70	-18 03.4	33.841	34.836	168.2	0.3	22.9
1997 06 21		16 30.77	-18 01.8	33.887	34.837	158.8	0.6	23.0
1997 07 01		16 29.91	-18 00.4	33.961	34.837	149.1	0.9	23.0
1997 07 11		16 29.16	-17 59.5	34.059	34.838	139.5	1.1	23.0
1997 07 21		16 28.54	-17 58.9	34.179	34.839	129.8	1.3	23.1
1997 07 31		16 28.07	-17 58.9	34.318	34.839	120.2	1.4	23.1
1997 08 10		16 27.78	-17 59.3	34.471	34.840	110.6	1.6	23.1
1997 08 20		16 27.67	-18 00.1	34.634	34.841	101.0	1.6	23.1
1997 08 30		16 27.76	-18 01.5	34.803	34.842	91.4	1.7	23.1
1997 09 09		16 28.04	-18 03.2	34.972	34.842	81.8	1.6	23.1
1997 09 19		16 28.52	-18 05.4	35.137	34.843	72.2	1.6	23.1
1997 09 29		16 29.18	-18 07.9	35.294	34.844	62.6	1.5	23.1

8P/TuttleElements *MPC* 20775

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 02 01		18 29.58	-20 30.6	8.275	7.493	35.4	4.4		22.4
1997 02 11		18 33.96	-20 14.1	8.207	7.535	44.5	5.3		22.4
1997 02 21		18 37.77	-19 57.1	8.120	7.576	53.6	6.0		22.4
1997 03 03		18 40.91	-19 39.5	8.016	7.616	62.9	6.7		22.4
1997 03 13		18 43.32	-19 21.8	7.899	7.656	72.3	7.1		22.4
1997 03 23		18 44.91	-19 04.2	7.774	7.696	81.8	7.4		22.4
1997 04 02		18 45.62	-18 46.8	7.644	7.735	91.5	7.4		22.4
1997 04 12		18 45.40	-18 29.9	7.515	7.774	101.3	7.3		22.4
1997 04 22		18 44.24	-18 13.6	7.391	7.813	111.3	6.9		22.3
1997 05 02		18 42.16	-17 58.2	7.278	7.851	121.5	6.3		22.3
1997 05 12		18 39.20	-17 43.7	7.180	7.889	131.8	5.5		22.2
1997 05 22		18 35.45	-17 30.3	7.103	7.926	142.1	4.5		22.1
1997 06 01		18 31.06	-17 17.8	7.050	7.963	152.5	3.4		22.1
1997 06 11		18 26.18	-17 06.5	7.025	8.000	162.8	2.2		22.0
1997 06 21		18 21.04	-16 56.3	7.030	8.037	171.7	1.1		21.9
1997 07 01		18 15.85	-16 47.3	7.066	8.073	171.5	1.1		21.9
1997 07 11		18 10.83	-16 39.4	7.133	8.108	162.5	2.2		22.1
1997 07 21		18 06.21	-16 32.8	7.230	8.144	152.4	3.3		22.2
1997 07 31		18 02.14	-16 27.4	7.354	8.179	142.1	4.4		22.3

1997 08 10	17 58.78	−16 23.3	7.502	8.214	131.9	5.3	22.4
1997 08 20	17 56.22	−16 20.2	7.670	8.248	121.8	6.0	22.5

(7066)		$a, e, i = 24.69, 0.52, 16$				Elements <i>MPC</i> 27439		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 02 11		16 49.21	−32 23.1	13.810	13.469	67.8	3.9	21.3
1997 02 21		16 51.21	−32 36.0	13.668	13.485	77.3	4.1	21.3
1997 03 03		16 52.67	−32 48.6	13.519	13.501	86.9	4.2	21.3
1997 03 13		16 53.57	−33 00.5	13.369	13.517	96.5	4.2	21.3
1997 03 23		16 53.87	−33 11.7	13.222	13.534	106.2	4.1	21.2
1997 04 02		16 53.60	−33 21.8	13.084	13.550	115.9	3.8	21.2
1997 04 12		16 52.77	−33 30.7	12.958	13.566	125.6	3.4	21.2
1997 04 22		16 51.42	−33 38.1	12.850	13.583	135.3	3.0	21.1
1997 05 02		16 49.63	−33 43.8	12.762	13.600	144.9	2.4	21.1
1997 05 12		16 47.48	−33 47.6	12.700	13.616	154.2	1.9	21.0
1997 05 22		16 45.08	−33 49.5	12.663	13.633	162.6	1.3	21.0
1997 06 01		16 42.55	−33 49.6	12.656	13.649	168.1	0.9	20.9
1997 06 11		16 40.00	−33 47.8	12.677	13.666	166.5	1.0	20.9
1997 06 21		16 37.56	−33 44.5	12.727	13.683	159.5	1.5	21.0
1997 07 01		16 35.34	−33 39.9	12.804	13.700	150.7	2.1	21.1
1997 07 11		16 33.45	−33 34.4	12.907	13.717	141.4	2.6	21.1
1997 07 21		16 31.96	−33 28.4	13.033	13.734	132.0	3.2	21.2
1997 07 31		16 30.96	−33 22.3	13.178	13.751	122.6	3.6	21.2
1997 08 10		16 30.47	−33 16.5	13.338	13.768	113.1	3.9	21.3
1997 08 20		16 30.54	−33 11.3	13.510	13.785	103.7	4.1	21.3
1997 08 30		16 31.15	−33 07.0	13.688	13.802	94.4	4.2	21.4
1997 09 09		16 32.32	−33 03.8	13.869	13.819	85.1	4.2	21.4
1997 09 19		16 34.01	−33 01.8	14.047	13.836	75.9	4.0	21.4
1997 09 29		16 36.19	−33 01.0	14.219	13.854	66.7	3.8	21.4

1996 KV ₁		$a, e, i = 42.97, 0.04, 8$				Elements <i>MPC</i> 27883		
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 02 11		16 59.37	−20 11.8	41.570	41.188	66.6	1.3	23.3
1997 02 21		16 59.86	−20 12.2	41.407	41.188	76.6	1.3	23.3
1997 03 03		17 00.19	−20 12.4	41.236	41.188	86.5	1.4	23.3
1997 03 13		17 00.34	−20 12.3	41.064	41.188	96.5	1.4	23.3
1997 03 23		17 00.31	−20 11.9	40.895	41.188	106.4	1.3	23.3
1997 04 02		17 00.12	−20 11.4	40.735	41.188	116.4	1.2	23.3
1997 04 12		16 59.76	−20 10.6	40.587	41.188	126.3	1.1	23.3
1997 04 22		16 59.26	−20 09.7	40.457	41.188	136.1	1.0	23.3
1997 05 02		16 58.64	−20 08.7	40.349	41.188	146.0	0.8	23.2
1997 05 12		16 57.91	−20 07.6	40.265	41.188	155.8	0.6	23.2
1997 05 22		16 57.11	−20 06.5	40.207	41.188	165.5	0.4	23.2
1997 06 01		16 56.26	−20 05.5	40.178	41.188	174.9	0.1	23.1
1997 06 11		16 55.40	−20 04.4	40.178	41.188	174.1	0.1	23.1
1997 06 21		16 54.56	−20 03.5	40.207	41.188	164.7	0.4	23.2
1997 07 01		16 53.76	−20 02.8	40.264	41.188	155.1	0.6	23.2
1997 07 11		16 53.03	−20 02.3	40.347	41.188	145.4	0.8	23.2
1997 07 21		16 52.41	−20 02.0	40.454	41.188	135.8	1.0	23.3
1997 07 31		16 51.90	−20 01.9	40.582	41.188	126.1	1.1	23.3
1997 08 10		16 51.54	−20 02.2	40.727	41.188	116.5	1.3	23.3
1997 08 20		16 51.33	−20 02.8	40.884	41.189	106.8	1.3	23.3
1997 08 30		16 51.29	−20 03.6	41.050	41.189	97.2	1.4	23.3

1997 09 09	16 51.41	−20 04.7	41.220	41.189	87.5	1.4	23.3
1997 09 19	16 51.71	−20 06.1	41.388	41.189	77.9	1.4	23.3
1997 09 29	16 52.17	−20 07.8	41.550	41.189	68.2	1.3	23.3

117P/Helin-Roman-Alu 1					Elements <i>MPC</i> 27080				
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 02 11		19 28.49	−25 44.7	4.511	3.718	32.7	8.2	17.2	20.7
1997 02 21		19 41.97	−25 30.8	4.424	3.717	39.7	9.8	17.1	20.7
1997 03 03		19 54.90	−25 15.5	4.323	3.716	46.8	11.2	17.1	20.7
1997 03 13		20 07.19	−24 59.9	4.211	3.715	54.0	12.5	17.0	20.7
1997 03 23		20 18.71	−24 45.1	4.089	3.715	61.3	13.6	17.0	20.7
1997 04 02		20 29.36	−24 32.2	3.958	3.715	68.8	14.5	16.9	20.7
1997 04 12		20 39.02	−24 22.5	3.821	3.715	76.4	15.2	16.8	20.6
1997 04 22		20 47.55	−24 17.3	3.680	3.716	84.2	15.6	16.7	20.5
1997 05 02		20 54.81	−24 17.7	3.538	3.717	92.3	15.7	16.6	20.5
1997 05 12		21 00.65	−24 24.9	3.397	3.719	100.7	15.5	16.6	20.4
1997 05 22		21 04.92	−24 39.7	3.261	3.721	109.3	14.9	16.5	20.3
1997 06 01		21 07.50	−25 02.5	3.133	3.723	118.4	13.9	16.4	20.1
1997 06 11		21 08.27	−25 33.3	3.017	3.726	127.7	12.5	16.3	20.0
1997 06 21		21 07.19	−26 10.9	2.917	3.729	137.4	10.6	16.3	19.9
1997 07 01		21 04.33	−26 53.6	2.837	3.732	147.2	8.5	16.2	19.7
1997 07 11		20 59.87	−27 38.6	2.779	3.736	157.0	6.1	16.2	19.6
1997 07 21		20 54.19	−28 22.2	2.747	3.740	165.7	3.8	16.2	19.4
1997 07 31		20 47.79	−29 01.1	2.743	3.745	169.2	2.9	16.2	19.4
1997 08 10		20 41.28	−29 32.0	2.767	3.750	163.5	4.4	16.2	19.5
1997 08 20		20 35.32	−29 52.9	2.818	3.755	154.3	6.7	16.2	19.6
1997 08 30		20 30.47	−30 03.2	2.894	3.761	144.4	9.0	16.3	19.8
1997 09 09		20 27.17	−30 02.9	2.992	3.767	134.5	11.0	16.4	19.9
1997 09 19		20 25.68	−29 53.1	3.109	3.773	124.8	12.6	16.5	20.1
1997 09 29		20 26.09	−29 35.0	3.241	3.780	115.4	13.9	16.6	20.2
1997 10 09		20 28.39	−29 09.7	3.383	3.787	106.3	14.7	16.7	20.4
1997 10 19		20 32.46	−28 38.3	3.533	3.794	97.5	15.1	16.8	20.5
1997 10 29		20 38.10	−28 01.5	3.686	3.802	89.1	15.1	16.9	20.6
1997 11 08		20 45.15	−27 19.9	3.839	3.810	80.9	14.9	17.0	20.7
1997 11 18		20 53.40	−26 33.9	3.990	3.818	72.9	14.3	17.1	20.7
1997 11 28		21 02.64	−25 43.8	4.135	3.827	65.1	13.5	17.2	20.8
1997 12 08		21 12.71	−24 49.8	4.273	3.836	57.5	12.5	17.3	20.8
1997 12 18		21 23.44	−23 52.4	4.401	3.845	50.1	11.3	17.4	20.8
1997 12 28		21 34.68	−22 51.8	4.517	3.854	42.9	10.0	17.5	20.9
1998 01 07		21 46.30	−21 48.4	4.619	3.864	35.7	8.5	17.6	20.8

31P/Schwassmann-Wachmann 2						Elements <i>MPC</i> 18256			
Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 03 03		20 42.00	−18 11.8	5.705	4.919	34.4	6.5		22.2
1997 03 13		20 50.12	−17 43.6	5.615	4.927	42.4	7.8		22.3
1997 03 23		20 57.65	−17 16.6	5.509	4.936	50.5	9.0		22.3
1997 04 02		21 04.50	−16 51.5	5.388	4.944	58.7	10.0		22.3
1997 04 12		21 10.57	−16 29.1	5.256	4.952	67.1	10.7		22.3
1997 04 22		21 15.77	−16 10.2	5.114	4.959	75.5	11.3		22.2
1997 05 02		21 19.99	−15 55.7	4.966	4.967	84.2	11.6		22.2
1997 05 12		21 23.12	−15 46.2	4.815	4.974	93.1	11.7		22.1
1997 05 22		21 25.07	−15 42.4	4.666	4.981	102.3	11.5		22.0
1997 06 01		21 25.78	−15 44.8	4.522	4.988	111.8	10.9		21.9

1997 06 11	21 25.17	-15 53.7	4.388	4.995	121.5	10.0	21.9
1997 06 21	21 23.25	-16 08.9	4.268	5.001	131.6	8.7	21.7
1997 07 01	21 20.09	-16 29.8	4.167	5.007	141.9	7.2	21.6
1997 07 11	21 15.79	-16 55.7	4.088	5.012	152.6	5.4	21.5
1997 07 21	21 10.61	-17 24.8	4.035	5.017	163.4	3.3	21.4
1997 07 31	21 04.84	-17 55.4	4.011	5.022	174.4	1.1	21.2
1997 08 10	20 58.86	-18 25.7	4.017	5.027	174.3	1.1	21.2
1997 08 20	20 53.07	-18 53.8	4.053	5.031	163.3	3.3	21.4
1997 08 30	20 47.85	-19 18.1	4.118	5.035	152.4	5.3	21.5
1997 09 09	20 43.55	-19 37.7	4.210	5.039	141.7	7.1	21.7
1997 09 19	20 40.41	-19 51.8	4.324	5.042	131.2	8.6	21.8
1997 09 29	20 38.60	-20 00.3	4.456	5.045	120.9	9.8	21.9
1997 10 09	20 38.18	-20 03.2	4.603	5.047	111.0	10.7	22.0
1997 10 19	20 39.15	-20 00.6	4.759	5.049	101.3	11.2	22.1
1997 10 29	20 41.44	-19 52.9	4.920	5.051	91.9	11.3	22.2
1997 11 08	20 44.97	-19 40.2	5.082	5.053	82.7	11.2	22.2
1997 11 18	20 49.60	-19 23.0	5.240	5.054	73.8	10.8	22.3
1997 11 28	20 55.20	-19 01.3	5.391	5.055	65.1	10.2	22.3
1997 12 08	21 01.64	-18 35.6	5.532	5.056	56.5	9.4	22.4
1997 12 18	21 08.78	-18 06.2	5.659	5.056	48.1	8.3	22.4
1997 12 28	21 16.49	-17 33.3	5.771	5.056	39.9	7.2	22.4
1998 01 07	21 24.65	-16 57.3	5.865	5.055	31.7	5.9	22.3

C/1996 R1 (Hergenrother-Spahr)

Elements MPC 28557

Date	TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 03 03		21 17.98	-29 56.9	3.697	2.910	32.5	10.5	16.5	
1997 03 13		21 22.43	-31 06.3	3.663	2.993	41.6	12.7	16.6	
1997 03 23		21 25.96	-32 27.7	3.607	3.078	51.0	14.6	16.7	
1997 04 02		21 28.27	-34 03.6	3.532	3.163	60.6	16.0	16.7	
1997 04 12		21 29.02	-35 56.4	3.443	3.249	70.5	16.9	16.8	
1997 04 22		21 27.76	-38 08.0	3.346	3.336	80.8	17.3	16.9	
1997 05 02		21 23.94	-40 39.0	3.247	3.423	91.3	17.1	16.9	
1997 05 12		21 16.88	-43 28.4	3.155	3.510	102.1	16.3	16.9	
1997 05 22		21 05.76	-46 31.4	3.078	3.597	113.0	15.0	17.0	
1997 06 01		20 49.73	-49 39.2	3.024	3.684	123.7	13.2	17.1	
1997 06 11		20 28.13	-52 37.9	3.001	3.771	133.4	11.3	17.2	
1997 06 21		20 01.01	-55 10.2	3.015	3.859	141.1	9.5	17.3	
1997 07 01		19 29.65	-56 59.7	3.070	3.946	144.9	8.5	17.4	
1997 07 11		18 56.75	-57 57.0	3.167	4.033	143.9	8.5	17.6	
1997 07 21		18 25.64	-58 04.0	3.303	4.120	138.6	9.4	17.7	
1997 07 31		17 58.95	-57 31.7	3.474	4.207	130.7	10.5	17.9	
1997 08 10		17 37.90	-56 35.0	3.674	4.294	121.7	11.6	18.2	
1997 08 20		17 22.48	-55 27.2	3.895	4.380	112.3	12.3	18.4	
1997 08 30		17 11.99	-54 18.0	4.131	4.467	102.9	12.7	18.6	
1997 09 09		17 05.60	-53 13.3	4.376	4.553	93.7	12.8	18.8	

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	ϕ_{MIN}	MPC
1991 YZ	96 12 23.0	06 06.64	+34 14.9	16.2	-1.04	- 1.9	3.5/23.2	21977
1993 FA ₂₃	96 12 23.1	06 07.04	+16 14.6	17.1	-0.89	- 0.6	2.4/23.1	23524
(7430)	96 12 23.1	06 07.19	+24 57.6	14.3	-1.00	- 3.2	0.8/23.2	28833
2610 T-3	96 12 23.1	06 07.33	+25 42.9	17.4	-1.16	- 0.5	1.0/23.2	22088
1982 TT ₂	96 12 23.4	06 08.48	+41 53.8	16.6	-1.26	+ 0.4	6.3/23.4	27726

1989 DK	96 12 23.4	06 08.70	+32 41.8	15.4	-1.18	- 5.1	3.8/23.9	22080
1981 EJ ₁₈	96 12 23.5	06 08.76	+30 07.6	17.7	-0.97	- 0.4	2.4/23.5	26918
1990 QS ₂	96 12 23.5	06 08.93	+20 17.2	16.3	-0.94	+ 0.7	1.1/23.6	28885
(7436)	96 12 23.5	06 09.16	+22 22.8	15.9	-1.20	- 0.9	0.5/23.6	28835
1990 UY ₃	96 12 23.6	06 09.28	+29 31.9	17.1	-1.01	+ 2.8	2.0/23.4	22054
1985 UJ ₃	96 12 23.6	06 09.30	+22 51.3	17.5	-1.20	+ 0.8	0.2/23.6	22077
5490 T-2	96 12 23.6	06 09.43	+18 02.2	18.3	-1.10	- 2.0	2.0/23.6	22274
1991 RY ₄	96 12 23.6	06 09.54	+20 28.6	18.3	-1.02	- 0.2	1.1/23.7	22084
1991 AK ₂	96 12 23.7	06 09.64	-02 17.8	18.1	-0.82	- 3.1	8.1/23.1	26189
1995 QJ ₃	96 12 23.7	06 09.75	+03 27.2	18.3	-0.86	- 0.1	6.7/24.0	28856
1993 SQ ₁₄	96 12 23.7	06 09.88	-05 47.8	16.9	-1.28	-11.2	15.2/21.0	25642
1993 FW ₃₄	96 12 23.7	06 10.10	+20 51.5	17.5	-0.84	+ 0.6	0.7/23.8	28616
1981 EG ₁₁	96 12 23.8	06 10.49	+13 31.0	18.3	-0.96	- 2.3	4.8/23.7	23535
1994 EC ₁	96 12 23.9	06 10.92	+14 54.4	16.2	-1.10	+ 1.8	4.0/24.2	28888
1981 EG ₁	96 12 24.2	06 11.95	+28 42.4	17.2	-1.09	+ 0.7	1.9/24.1	28882
1992 YE ₄	96 12 24.2	06 12.13	+17 08.8	16.4	-1.04	+ 1.9	2.8/24.5	23341
1992 CQ ₂	96 12 24.4	06 12.73	+10 04.4	16.6	-0.84	+ 1.5	4.1/24.9	23538
1977 EO ₁	96 12 24.5	06 13.22	+26 05.0	17.7	-0.93	+ 0.8	0.8/24.4	27118
1981 EV ₁₁	96 12 24.5	06 13.28	+12 17.7	19.3	-1.13	- 1.4	4.7/24.5	26917
6833 P-L	96 12 24.5	06 13.64	+26 07.9	18.1	-0.98	+ 0.2	0.9/24.5	23532
1995 SJ ₄	96 12 24.9	06 15.40	+15 32.0	17.6	-0.93	- 4.4	2.4/24.8	26405
1989 XD ₁	96 12 25.3	06 16.88	+15 53.7	16.8	-1.15	+ 2.5	3.4/25.7	28885
1981 EQ ₃₁	96 12 25.3	06 16.89	+13 46.2	18.7	-0.86	+ 1.1	3.5/25.7	23788
1995 OB ₁	96 12 25.3	06 16.99	+25 16.2	19.5	-1.06	- 1.3	0.6/25.3	25963
1993 FX ₂₃	96 12 25.9	06 19.50	+25 27.5	18.7	-0.93	+ 0.2	0.6/25.9	26400
1981 FR	96 12 25.9	06 19.79	+05 32.1	18.4	-0.93	+ 0.8	5.7/26.6	25647
1991 PD ₁₃	96 12 26.0	06 20.08	+27 23.5	18.8	-1.11	+ 0.1	1.4/26.0	24104
1989 EC ₃	96 12 26.0	06 20.15	+08 12.6	16.8	-0.96	+ 0.4	6.5/26.5	28884
1995 SH	96 12 26.1	06 20.31	+02 07.7	17.3	-0.94	- 0.2	7.7/26.5	28889
1987 BM ₁	96 12 26.1	06 20.65	+23 50.0	15.5	-0.99	+ 5.7	0.2/26.1	28841
1989 BK	96 12 26.1	06 20.72	+23 45.4	14.8	-1.05	+ 8.2	0.2/26.1	28884
3271 T-1	96 12 26.2	06 20.91	+26 21.2	17.2	-1.03	+ 0.3	1.1/26.2	26193
4262 T-2	96 12 26.5	06 22.24	+25 04.9	18.4	-1.25	+ 2.2	0.7/26.5	24585
1981 EP ₃₇	96 12 26.5	06 22.30	+22 24.9	18.2	-1.06	- 0.7	0.4/26.6	21562
1981 DX	96 12 26.6	06 22.86	+21 41.7	16.8	-0.89	- 1.4	0.5/26.7	28882
1990 RF ₆	96 12 26.7	06 23.13	+16 00.3	17.1	-0.93	+ 1.5	2.9/27.1	23780
1988 CA	96 12 26.7	06 23.33	+07 03.5	15.1	-0.93	+ 2.6	6.7/27.6	28613
1978 VX ₄	96 12 26.8	06 23.52	+26 48.5	18.8	-1.20	+ 2.2	1.4/26.7	25728
1991 LH ₁	96 12 26.8	06 23.64	+22 32.9	17.6	-1.14	+ 1.6	0.3/26.9	23782
1995 QB ₁₀	96 12 26.8	06 23.86	+38 42.2	18.0	-1.26	- 3.5	5.8/27.0	27719
1990 TK ₈	96 12 26.9	06 23.87	+35 51.2	17.0	-1.04	+ 2.3	3.9/26.2	28885
1990 QU ₇	96 12 27.0	06 24.69	+20 05.3	16.3	-0.93	+ 1.3	1.3/27.2	25974
1981 EJ ₄₂	96 12 27.2	06 25.24	+06 40.4	19.8	-0.83	+ 0.4	5.3/27.7	24100
1218 T-2	96 12 27.2	06 25.62	+21 50.5	16.3	-1.10	+ 1.0	0.6/27.3	28892
1981 EB ₃₃	96 12 27.4	06 26.26	+37 47.0	19.4	-1.20	- 1.5	4.7/27.3	25536
4152 P-L	96 12 27.5	06 26.65	+05 44.8	18.2	-0.84	+ 0.4	4.8/28.2	26423
1993 FQ ₂	96 12 27.5	06 26.98	+38 26.1	16.0	-1.18	+ 2.4	5.8/26.6	27730
4651 P-L	96 12 27.6	06 26.92	+22 47.8	17.5	-0.88	+ 0.5	0.1/27.6	26761
2583 P-L	96 12 27.6	06 26.94	+26 01.1	18.8	-0.96	+ 1.2	0.9/27.5	27925
1995 TC	96 12 27.6	06 26.94	+24 06.6	17.9	-0.96	+ 0.4	0.3/27.6	28889
1220 T-1	96 12 27.6	06 27.18	+23 54.7	16.2	-1.12	- 0.1	0.3/27.6	28892

1981 EQ ₃₄	96 12 27.9	06 28.27	+14 53.3	19.9	-0.96	+ 1.2	2.6/28.3	26921	1993 FO ₆	96 12 30.8	06 41.09	+25 32.3	15.7	-0.97	+ 1.8	0.8/30.6	28587
1996 XQ ₅	96 12 27.9	06 28.35	+25 11.0	16.5	-1.18	+ 2.7	0.9/27.8	28871	1982 SC ₈	96 12 30.8	06 41.15	+27 57.8	17.4	-1.25	+ 0.6	1.9/30.6	23970
1992 UK ₅	96 12 27.9	06 28.45	+28 40.9	17.2	-1.21	+ 1.8	1.9/27.7	23247	1993 FM ₄₀	96 12 30.8	06 41.18	+21 11.5	19.0	-0.86	+ 1.2	0.5/30.9	23527
(7395)	96 12 27.9	06 28.69	+14 32.3	17.9	-1.11	+ 1.4	3.2/28.4	28824	1992 EB ₂	96 12 31.0	06 42.21	+16 05.0	19.3	-0.83	+ 1.6	2.0/31.5	24762
1981 EC ₁₅	96 12 28.0	06 28.78	+31 37.8	18.9	-1.17	- 0.3	3.5/27.7	22429	1978 QA ₂	96 12 31.1	06 42.65	+16 54.5	18.0	-1.16	+ 1.5	2.5/31.5	25338
1993 FG ₂₄	96 12 28.1	06 29.34	+09 20.1	16.9	-0.84	+ 0.3	4.1/28.7	28887	1981 EX ₁₅	96 12 31.2	06 43.09	+27 25.9	17.7	-1.10	0.0	1.7/31.0	25536
1987 SN ₁₂	96 12 28.2	06 29.77	+21 29.7	17.7	-1.06	+ 1.1	0.6/28.3	25648	1996 XX ₁₉	96 12 31.2	06 43.27	+22 46.2	16.7	-1.21	+ 3.3	0.1/31.3	28873
6792 P-L	96 12 28.2	06 29.88	+22 44.0	18.0	-0.94	+ 1.6	0.2/28.3	26192	1981 EK ₂₈	96 12 31.3	06 43.44	+46 25.5	20.3	-1.39	- 0.8	9.4/30.1	26920
1991 PY ₁₄	96 12 28.2	06 29.94	+31 09.0	16.1	-1.18	- 3.6	3.2/28.3	27120	1981 EB ₁₂	96 12 31.3	06 43.49	+20 24.3	18.6	-0.87	- 0.3	0.8/31.5	26917
1993 FN ₂₆	96 12 28.2	06 30.09	+23 01.9	15.5	-1.01	- 0.6	0.1/28.3	28887	1993 FH ₄₉	96 12 31.5	06 44.23	+20 28.4	17.1	-0.95	+ 1.0	0.9/31.7	27915
1987 BR ₁	96 12 28.3	06 30.10	+22 47.0	15.7	-1.17	- 1.8	0.2/28.3	28583	1980 PJ ₁	96 12 31.6	06 44.67	+22 47.9	14.8	-1.19	- 3.6	0.1/31.6	28838
1991 OM ₁	96 12 28.3	06 30.31	+24 01.1	17.2	-1.12	+ 0.4	0.3/28.3	25974	1990 QV ₁	96 12 31.7	06 45.40	+21 31.9	17.1	-0.95	+ 2.0	0.5/31.9	28584
2197 P-L	96 12 28.5	06 31.09	+16 56.2	18.0	-1.03	+ 0.7	2.1/28.8	25652	(6710)	96 12 31.8	06 45.91	+14 44.3	17.4	-0.91	+ 0.4	2.4/01.4	26155
1992 WH	96 12 28.5	06 31.10	+17 31.6	17.0	-1.11	- 0.5	2.2/28.7	22237	1993 FJ ₁₀	96 12 31.9	06 46.20	+25 31.2	15.6	-0.98	+ 2.0	0.9/31.8	28887
1987 UW	96 12 28.6	06 31.35	-23 57.7	18.3	-0.98	- 2.0	16.1/31.5	22969	1996 XD ₃	96 12 31.9	06 46.33	+21 02.6	18.0	-1.16	+ 2.2	0.8/01.1	28871
1992 WH ₁	96 12 28.6	06 31.87	+17 09.3	15.3	-1.10	+ 4.0	2.5/29.2	25441	(7378)	97 01 01.1	06 46.80	+21 11.1	15.5	-0.90	+ 0.8	0.6/01.2	28820
1985 TZ ₃	96 12 28.7	06 31.78	+27 27.9	17.4	-1.22	- 0.7	1.6/28.6	28582	1996 XB ₂	97 01 01.1	06 46.93	+07 04.9	15.7	-1.36	-17.7	8.2/30.3	28870
1980 FY ₄	96 12 28.8	06 32.58	+14 20.0	17.5	-1.11	+ 1.2	3.6/29.3	27930	1978 EU ₉	97 01 01.1	06 47.19	+19 55.9	16.4	-0.93	+ 1.5	1.0/01.4	26187
2247 T-3	96 12 28.8	06 32.70	+26 16.7	17.8	-1.16	- 0.2	1.1/28.8	25085	1993 FM ₁₉	97 01 01.2	06 47.34	+18 56.3	14.9	-0.94	+ 4.5	1.6/02.0	25975
4119 P-L	96 12 28.9	06 32.67	+15 42.8	18.5	-1.20	+ 1.1	3.1/29.3	22086	1990 OV ₄	97 01 01.2	06 47.40	+23 33.9	17.0	-1.07	- 3.5	0.2/01.2	28843
(7389)	96 12 29.0	06 33.25	+25 00.9	15.7	-1.23	+ 3.7	0.8/28.9	28823	1994 NB	97 01 01.2	06 47.43	+05 44.7	17.1	-1.13	+ 8.3	6.5/03.4	26422
(7441)	96 12 29.0	06 33.31	+14 50.2	18.1	-1.10	+ 0.6	3.5/29.4	28836	1948 AA	97 01 01.2	06 47.77	+16 57.1	16.3	-1.38	-10.2	2.5/32.0	28881
(7129)	96 12 29.0	06 33.54	+12 13.5	16.8	-0.98	- 2.2	3.9/29.3	27703	1990 QE ₉	97 01 01.3	06 47.82	+25 32.6	17.1	-0.99	+ 0.9	0.9/01.2	28614
1996 XT ₁₉	96 12 29.1	06 33.60	+21 06.7	16.4	-1.19	- 0.2	1.0/29.2	28873	2508 P-L	97 01 01.4	06 48.18	+34 11.0	18.4	-1.34	+ 0.7	4.8/31.9	22495
1991 PW ₁₆	96 12 29.1	06 33.79	+19 56.2	18.8	-1.06	+ 1.7	1.1/29.3	22084	4266 T-1	97 01 01.4	06 48.30	+20 12.7	19.7	-1.08	+ 1.8	1.0/01.6	27927
1996 XG ₁₉	96 12 29.2	06 34.17	+17 58.2	16.5	-1.12	+ 2.1	2.5/29.5	28873	1993 FZ ₃₅	97 01 01.6	06 49.43	+21 58.4	17.1	-0.87	+ 1.6	0.3/01.8	27730
1994 DS	96 12 29.2	06 34.20	+29 27.3	15.8	-1.19	+ 3.2	3.0/28.8	24584	1992 SQ ₂₃	97 01 01.8	06 50.40	+12 08.6	18.8	-1.12	+ 0.5	3.8/02.6	21798
1995 TF ₁	96 12 29.4	06 35.31	+10 46.5	18.8	-0.98	- 1.6	4.0/29.8	26569	1995 OD	97 01 01.9	06 50.34	+24 23.9	17.8	-1.18	+ 1.0	0.6/01.8	28889
2221 P-L	96 12 29.4	06 35.35	+19 10.6	19.9	-1.20	- 0.1	1.6/29.6	22274	1990 TC ₄	97 01 01.9	06 50.61	+21 10.9	17.1	-0.92	+ 0.9	0.6/02.1	28844
2258 T-1	96 12 29.5	06 35.35	+36 14.7	15.6	-1.30	+ 1.5	5.3/28.9	23540	1996 XT ₅	97 01 02.0	06 51.26	+24 56.7	16.5	-1.00	- 1.9	0.7/02.0	28871
1982 UX ₅	96 12 29.5	06 35.37	+22 37.1	16.6	-1.02	- 0.9	0.2/29.5	22697	1990 KE	97 01 02.1	06 51.30	-00 48.1	16.8	-0.94	+ 1.6	8.7/04.2	23514
1995 LC	96 12 29.6	06 35.76	+41 50.0	18.5	-1.83	+17.4	9.0/26.0	25963	1992 RH ₇	97 01 02.1	06 51.62	+31 14.9	16.6	-1.24	+ 2.7	3.9/01.5	23992
1981 EY ₄	96 12 29.7	06 36.61	+31 15.6	18.2	-1.15	- 1.9	2.9/29.6	26915	1995 SB ₁₃	97 01 02.2	06 51.74	+16 23.2	16.4	-0.95	+ 1.7	2.2/02.7	28889
1981 EE ₁₀	96 12 29.8	06 36.68	+24 46.1	20.0	-1.22	- 0.1	0.6/29.7	26916	1994 PO ₁	97 01 02.2	06 52.17	+45 55.9	18.7	-1.12	+ 4.2	5.7/30.6	24763
1979 QX	96 12 29.9	06 37.10	+23 56.9	15.7	-1.07	- 0.5	0.3/29.9	28838	(7289)	97 01 02.3	06 52.19	+32 46.0	16.9	-1.24	+ 3.4	3.7/01.4	28286
1996 XX ₅	96 12 29.9	06 37.52	+23 18.9	17.4	-0.94	- 0.3	0.1/30.0	28871	1994 CD ₈	97 01 02.3	06 52.27	+17 47.5	17.0	-1.14	+ 0.6	2.1/02.6	25651
1990 SH ₇	96 12 30.0	06 37.59	+23 38.4	18.4	-0.95	+ 1.8	0.2/30.0	26168	1996 XA ₆	97 01 02.3	06 52.38	+25 52.2	16.3	-0.98	- 0.5	0.9/02.2	28871
1991 GY ₄	96 12 30.0	06 37.71	+25 25.3	17.7	-1.21	+ 1.8	0.9/29.9	28085	(6712)	97 01 02.3	06 52.42	+22 26.0	17.2	-1.13	+ 1.0	0.2/02.4	26155
1992 PA ₂	96 12 30.0	06 37.78	+27 55.2	18.2	-1.30	- 1.5	2.0/29.9	23350	1996 XV ₁	97 01 02.3	06 52.55	+23 11.6	16.0	-1.17	- 0.9	0.1/02.4	28891
1984 SK ₁	96 12 30.0	06 38.01	+30 39.7	18.3	-0.94	+ 0.3	2.0/29.7	28883	(6799)	97 01 02.4	06 52.54	-02 25.1	18.6	-0.76	+ 1.5	6.0/04.4	26391
3105 T-3	96 12 30.1	06 38.22	+18 54.1	18.1	-1.12	+ 1.5	1.7/30.4	22274	1994 NW ₁	97 01 02.4	06 52.57	+17 37.8	16.6	-1.05	+ 3.1	1.9/02.9	28617
1981 EM ₁₃	96 12 30.2	06 38.64	+16 34.3	18.4	-1.16	- 1.1	3.0/30.4	25078	1993 FH ₅	97 01 02.4	06 52.65	+26 33.6	16.4	-0.99	+ 1.7	1.3/02.1	28587
1994 HA	96 12 30.2	06 38.86	+02 08.9	16.9	-0.94	- 0.1	6.9/31.2	28853	1993 FS ₃₄	97 01 02.4	06 52.73	+25 09.5	16.4	-0.90	+ 1.4	0.7/02.3	28588
1981 EP ₁₄	96 12 30.3	06 39.36	+16 22.6	19.1	-1.16	- 0.4	2.7/30.6	26917	1981 EE ₄	97 01 02.4	06 52.77	+18 17.9	18.8	-0.88	- 0.9	1.4/02.7	26915
1981 EE ₁₁	96 12 30.4	06 39.33	+26 14.3	19.3	-1.22	+ 0.3	1.2/30.3	22270	7606 P-L	97 01 02.4	06 52.91	+24 27.0	19.9	-1.20	+ 2.5	0.6/02.3	16242
1996 XY ₅	96 12 30.4	06 39.45	+25 02.7	17.1	-0.80	+ 2.2	0.5/30.3	28871	1996 XD ₆	97 01 02.5	06 53.03	+31 20.2	17.5	-0.99	+ 6.7	2.8/01.4	28871
1992 SX ₁	96 12 30.5	06 40.09	+24 38.1	17.2	-1.15	+ 1.7	0.7/30.5	24108	4586 P-L	97 01 02.5	06 53.06	+24 06.6	16.5	-0.90	+ 1.5	0.4/02.4	28892
1996 XD ₁	96 12 30.6	06 40.40	+23 38.5	16.7	-1.25	+ 2.6	0.2/30.6	28870	1993 FH ₂₂	97 01 02.5	06 53.08	+22 05.1	17.9	-0.86	+ 1.1	0.2/02.6	28887
1990 WN ₅	96 12 30.6	06 40.63	+33 54.5	15.9	-1.02	+ 3.2	3.4/29.8	28885	1989 GS ₄	97 01 02.5	06 53.46	+19 35.3	17.9	-0.95	+ 1.4	1.0/02.8	17961
1989 TW	96 12 30.6	06 40.66	+23 58.1	17.0	-1.25	- 1.6	0.4/30.7	25080	1991 GG ₆	97 01 02.6	06 53.45	+30 09.9	16.4	-1.26	+ 1.8	3.3/02.1	27934
1995 SZ ₄	96 12 30.7	06 41.01	+18 46.5	17.7	-1.04	+ 0.8	1.7/31.0	28889	1991 GR ₂	97 01 02.6	06 53.55	+26 23.0	17.5	-1.20	+ 1.5	1.3/02.4	25081

1989 UA ₃	97 01 02.6	06 53.87	+18 13.5	17.6	-1.16	+ 1.8	2.1/03.0	28884	1979 MA ₅	97 01 05.5	07 06.44	+16 51.2	17.4	-0.94	- 1.0	2.0/05.9	26187
1994 FZ	97 01 02.7	06 54.04	+23 08.9	16.7	-1.14	+ 3.6	0.1/02.7	28888	6791 P-L	97 01 05.5	07 06.49	+42 47.4	18.5	-1.27	+ 2.0	7.1/03.4	26185
1977 QN ₂	97 01 02.7	06 54.36	+24 52.6	18.6	-1.17	+ 0.8	0.7/02.7	25077	1990 TN ₁	97 01 05.5	07 06.58	+42 16.9	15.4	-1.80	- 9.0	10.1/05.9	28885
1993 FU ₃₂	97 01 02.8	06 54.65	+21 01.2	19.4	-0.86	+ 1.7	0.5/03.0	26927	1987 DO ₆	97 01 05.7	07 07.04	+30 40.4	15.8	-1.00	- 0.3	2.6/05.1	25954
1995 SO ₅	97 01 02.8	06 54.78	+38 23.4	18.3	-1.23	+ 3.7	5.1/01.4	26582	1981 EQ	97 01 05.7	07 07.13	+37 35.1	18.2	-1.00	+ 1.3	4.2/04.2	24116
(7386)	97 01 02.8	06 54.78	+26 28.7	16.0	-1.13	+ 4.1	1.6/02.5	28822	1994 CL ₁₄	97 01 05.8	07 07.53	+22 15.2	16.3	-1.15	+ 4.6	0.1/05.8	28852
1992 WT ₃	97 01 02.9	06 54.78	+25 02.8	16.2	-1.04	+ 7.4	1.1/02.6	28849	1994 EJ ₇	97 01 05.8	07 07.61	+25 24.0	15.8	-1.18	+ 5.1	1.3/05.5	28888
1996 XU ₁	97 01 02.9	06 54.80	+24 53.2	15.3	-1.15	+ 5.1	0.8/02.7	28891	1993 GM	97 01 05.8	07 07.68	+20 47.7	16.5	-0.93	+ 2.6	0.6/06.0	28887
1994 ER	97 01 02.9	06 54.89	+20 06.4	16.2	-1.09	+ 6.3	1.3/03.3	28888	1975 LT	97 01 05.8	07 07.84	+24 18.4	18.4	-1.21	+ 0.7	0.7/05.7	28610
1996 XT ₁	97 01 02.9	06 54.96	+24 43.1	17.1	-0.97	+ 2.1	0.6/02.8	28870	1988 VM ₉	97 01 05.9	07 08.45	+35 55.6	15.7	-1.17	+ 2.5	6.4/04.6	28884
1993 FX ₁₄	97 01 02.9	06 54.98	+09 53.2	17.1	-0.85	+ 3.0	4.0/04.2	23783	1996 XW ₃₀	97 01 06.0	07 08.38	+19 50.5	16.4	-1.21	+ 0.5	1.1/06.2	28874
1981 EB ₁₅	97 01 02.9	06 55.21	+20 51.3	17.8	-1.03	0.0	0.9/03.1	22697	1990 RM ₁₇	97 01 06.1	07 09.15	+35 46.9	16.0	-1.08	- 0.4	4.5/05.2	20926
1993 FK ₂₃	97 01 02.9	06 55.27	+34 56.5	17.2	-1.02	+ 0.9	3.6/02.1	28887	1992 UM ₂	97 01 06.1	07 09.29	+27 16.5	17.1	-1.20	+ 3.6	2.0/05.7	23674
1992 DB ₁₀	97 01 03.0	06 55.23	+14 31.2	18.9	-0.81	+ 1.2	2.3/03.7	23861	1981 EB ₄₀	97 01 06.2	07 09.25	+23 26.9	17.9	-0.91	+ 1.6	0.4/06.1	28611
1993 FT ₁₀	97 01 03.0	06 55.62	+16 14.1	18.7	-0.97	+ 2.1	2.6/03.6	26564	(7376)	97 01 06.2	07 09.38	+23 57.7	17.2	-1.10	+ 1.3	0.5/06.1	28820
1992 PY	97 01 03.1	06 55.68	+45 28.2	16.5	-1.82	-15.7	11.4/05.9	28886	(6697)	97 01 06.2	07 09.46	+37 40.6	17.1	-0.98	+ 2.2	4.2/04.6	26152
1081 T-1	97 01 03.2	06 56.11	+22 13.7	18.0	-0.90	+ 0.8	0.2/03.3	19877	1987 RO ₅	97 01 06.2	07 09.61	+15 03.9	17.1	-0.75	+ 2.2	2.0/07.1	27554
1981 EP ₆	97 01 03.2	06 56.25	+43 03.7	18.7	-1.16	- 1.4	6.2/02.0	25972	6772 P-L	97 01 06.3	07 09.86	+18 43.1	18.3	-1.05	+ 2.3	1.6/06.7	26185
1984 SC ₆	97 01 03.3	06 56.79	+23 22.6	17.7	-1.11	+ 2.5	0.2/03.3	23778	1355 T-2	97 01 06.3	07 09.87	+22 46.2	16.6	-0.92	+ 1.6	0.1/06.3	28892
1995 SD ₅	97 01 03.3	06 57.01	+41 03.6	16.6	-1.14	- 0.2	5.7/02.2	28858	2025 P-L	97 01 06.4	07 10.12	+35 22.2	17.0	-0.99	+ 1.0	3.6/05.1	28891
1985 VE	97 01 03.4	06 57.32	+14 56.0	15.8	-1.07	+ 2.8	3.6/04.2	23536	1993 FR ₅₈	97 01 06.5	07 10.55	+21 12.8	17.3	-0.97	+ 1.4	0.5/06.6	27936
1992 YY	97 01 03.5	06 57.70	+18 01.6	15.5	-1.09	- 2.5	1.8/03.7	28887	1990 ES ₁	97 01 06.5	07 10.69	+22 50.2	17.8	-1.13	- 0.5	0.1/06.5	21974
1994 LF ₁	97 01 03.5	06 57.72	-16 44.7	19.9	-0.93	- 2.9	10.6/05.2	24395	1995 SB ₃₁	97 01 06.5	07 10.77	+31 16.3	18.1	-1.28	+ 1.3	3.5/05.8	28318
1995 OT	97 01 03.5	06 57.82	+28 54.1	17.6	-1.22	+ 2.0	2.2/03.1	28889	1981 EZ ₄₅	97 01 06.6	07 11.02	+15 37.2	18.1	-0.83	+ 2.3	2.0/07.4	26923
1989 VC ₂	97 01 03.5	06 57.88	+31 50.6	16.7	-0.93	+ 1.2	2.7/02.9	28884	1982 VD ₅	97 01 06.6	07 11.02	+16 56.7	16.7	-1.08	+ 0.7	2.7/07.1	22075
1981 EP ₃	97 01 03.7	06 58.37	+11 21.9	19.5	-0.88	- 0.7	3.9/04.4	26915	1981 GQ	97 01 06.7	07 11.50	+44 35.6	16.7	-1.20	+ 1.9	8.2/03.9	28611
1996 XV ₁₉	97 01 03.8	06 58.73	+19 43.1	16.3	-1.08	+ 1.7	1.1/04.1	28873	1050 T-2	97 01 06.7	07 11.74	+04 47.2	16.7	-0.81	+ 3.2	7.0/09.0	22432
1981 EU ₁₂	97 01 03.8	06 58.89	+18 43.2	18.7	-1.05	+ 0.5	1.7/04.1	26917	2181 T-2	97 01 06.7	07 11.76	+17 41.7	16.8	-0.98	+ 1.8	1.6/07.2	28892
1995 UR ₅	97 01 03.8	06 58.95	+05 37.0	17.7	-0.85	+ 0.9	5.2/05.3	27731	1981 EC ₄	97 01 06.7	07 11.94	+07 30.1	18.0	-0.99	- 1.1	6.2/07.9	26915
1996 XR ₁	97 01 03.9	06 59.21	+24 26.3	16.7	-0.77	+ 1.9	0.4/03.8	28891	1993 FT ₄₁	97 01 06.8	07 11.97	+24 56.2	15.9	-0.99	+ 1.5	0.9/06.6	28887
(7432)	97 01 03.9	06 59.43	+24 01.4	16.8	-0.90	+ 1.4	0.4/03.8	28834	1981 EB ₁₈	97 01 06.8	07 12.05	+16 33.5	19.7	-1.01	+ 2.2	2.1/07.4	26918
1993 HJ ₃	97 01 03.9	06 59.46	+22 38.8	16.6	-0.95	+ 2.5	0.0/04.0	26903	1995 SV ₅₂	97 01 06.9	07 12.61	+16 15.8	16.0	-0.86	+ 3.5	2.0/07.7	27731
4640 P-L	97 01 04.2	07 00.87	+12 19.2	19.4	-0.81	+ 2.0	3.0/05.3	26192	1981 EO ₁₄	97 01 06.9	07 12.72	+39 42.3	19.3	-1.25	- 0.8	5.6/05.8	22429
1981 EC ₃₉	97 01 04.3	07 01.29	-11 27.8	20.9	-0.77	+ 2.1	9.1/08.1	26922	1993 FT ₂₃	97 01 07.0	07 12.83	+22 26.2	17.3	-0.87	+ 1.3	0.0/07.0	23525
1991 HC	97 01 04.4	07 01.84	+24 39.6	16.7	-1.18	+ 3.4	0.7/04.3	27728	1929 PK	97 01 07.0	07 12.98	+16 26.1	17.2	-1.17	+ 4.4	2.7/07.8	28881
1981 EO ₂₃	97 01 04.5	07 01.83	+21 38.0	17.7	-1.17	+ 1.2	0.5/04.6	26919	1978 RA ₁₀	97 01 07.0	07 13.08	+25 32.0	16.5	-1.10	+ 1.3	1.7/06.8	22073
1995 QE ₂	97 01 04.5	07 01.87	-06 54.8	18.5	-0.89	- 1.5	9.4/07.0	26403	7609 P-L	97 01 07.2	07 14.06	+31 25.4	18.0	-1.23	+ 3.2	3.4/06.3	24120
1986 QY	97 01 04.5	07 01.98	+31 22.2	15.9	-1.08	+ 1.3	3.6/03.8	28883	(7142)	97 01 07.3	07 14.16	+22 17.9	17.0	-0.88	+ 1.6	0.0/07.3	27706
1981 EH ₄₈	97 01 04.5	07 02.19	+13 07.0	16.6	-0.99	- 0.5	4.2/05.2	26923	1989 TA ₃	97 01 07.4	07 14.51	+16 59.6	18.2	-0.84	+ 2.5	1.5/08.0	24912
1991 PH ₁₀	97 01 04.5	07 02.23	+22 05.4	16.5	-1.04	+ 2.3	0.2/04.6	28584	(7426)	97 01 07.6	07 15.68	+21 59.4	15.1	-1.10	+ 0.9	0.1/07.7	28832
1991 UC ₃	97 01 04.6	07 02.53	+17 43.5	17.5	-1.00	+ 1.7	1.8/05.1	27935	1995 LJ	97 01 07.9	07 16.83	+27 22.1	20.2	-1.19	+ 0.5	1.6/07.5	25652
1996 XW ₁₉	97 01 04.9	07 03.58	+16 31.1	15.5	-1.09	- 3.1	3.0/05.1	28873	1984 SS ₅	97 01 07.9	07 16.92	+25 52.7	17.4	-0.92	+ 3.1	1.1/07.5	26578
1277 T-2	97 01 04.9	07 03.59	+20 41.1	17.7	-0.90	+ 1.7	0.6/05.1	28880	1995 SB ₂	97 01 08.0	07 17.26	+03 00.7	17.1	-0.83	+ 0.2	6.6/09.8	28618
1968 OH	97 01 04.9	07 03.65	+17 28.7	17.2	-1.01	- 1.3	1.7/05.2	28610	1992 UD ₃	97 01 08.0	07 17.41	+09 19.9	16.0	-1.07	- 0.3	5.9/09.2	28887
1994 LS	97 01 05.1	07 04.75	+09 04.5	17.4	-1.15	+12.5	5.6/07.0	25532	3287 T-1	97 01 08.0	07 17.59	+21 10.5	16.8	-0.92	+ 1.6	0.4/08.2	24120
1992 BK ₂	97 01 05.2	07 05.11	+10 29.5	16.4	-0.86	+ 3.1	3.8/06.6	28615	1990 EA ₅	97 01 08.0	07 17.63	+22 59.3	18.0	-1.08	+ 1.5	0.3/08.0	22494
2319 T-2	97 01 05.2	07 05.18	+18 59.5	17.5	-1.20	+ 1.6	1.5/05.6	23540	1978 TP ₂	97 01 08.1	07 17.57	+15 51.2	16.9	-1.08	+ 4.0	2.9/08.9	22270
1981 EV ₂₄	97 01 05.2	07 05.26	+28 04.0	18.5	-1.09	+ 1.1	2.4/04.8	21967	1981 EM ₁₂	97 01 08.3	07 18.48	+40 03.0	20.6	-1.06	- 0.4	5.0/06.7	11045
1992 WD ₈	97 01 05.3	07 05.86	+33 08.1	15.3	-1.63	-17.1	5.3/06.3	28849	1981 EN ₁₈	97 01 08.3	07 18.59	+13 47.2	18.9	-0.86	+ 1.5	2.9/09.2	26918
1992 EH ₁₁	97 01 05.4	07 06.25	+19 56.6	16.4	-0.89	+ 2.0	1.0/05.8	28585	1992 SJ ₁	97 01 08.3	07 18.80	+25 28.1	16.5	-1.19	+ 4.7	1.4/08.0	23674
5125 T-2	97 01 05.5	07 06.39	+25 08.2	18.7	-0.91	- 0.2	0.7/05.3	27928	1981 VF	97 01 08.4	07 19.28	+30 03.5	16.7	-1.25	+ 2.3	3.1/07.7	23990

1972 AU	97 01 08.4	07 19.39	+38 30.2	16.6	-1.27	- 0.9	5.8/07.3	22696
1991 NS ₁	97 01 08.5	07 19.55	+13 00.4	17.9	-1.02	+ 2.9	3.1/09.6	26189
1993 CR ₁	97 01 08.5	07 19.76	+07 38.7	16.4	-0.93	+ 5.9	5.5/10.8	28850
1995 SM ₅₄	97 01 08.5	07 19.78	+22 41.3	17.0	-0.95	+ 2.7	0.2/08.5	28858
1979 KO ₁	97 01 08.5	07 19.82	+18 17.0	18.5	-1.07	+ 0.2	1.3/08.9	22429
1981 ED ₉	97 01 08.6	07 19.77	+17 28.3	17.8	-1.15	- 0.5	2.3/09.0	26916
1996 YW ₂	97 01 08.6	07 19.87	+23 27.7	16.3	-1.22	+ 0.4	0.5/08.5	28877
(6761)	97 01 08.6	07 20.13	+15 33.0	18.4	-0.86	+ 2.0	2.2/09.4	26382
1985 PQ	97 01 08.7	07 20.60	+16 41.9	17.5	-1.14	+ 3.4	2.0/09.4	18426
1990 TS ₁	97 01 08.9	07 21.07	+29 41.0	17.2	-1.02	+ 0.5	2.7/08.2	25956
1993 FQ ₇₃	97 01 08.9	07 21.20	+22 28.8	18.4	-0.95	+ 1.6	0.1/08.9	26743
1981 EB ₂₂	97 01 08.9	07 21.38	+21 57.8	17.6	-0.90	+ 2.5	0.1/09.0	26919
1981 EM ₁₄	97 01 08.9	07 21.41	+11 02.2	18.5	-0.98	+ 0.9	4.1/10.1	26917
1981 ES ₉	97 01 09.0	07 21.91	+08 58.3	18.2	-0.82	+ 1.5	3.9/10.6	26187
1990 OT ₄	97 01 09.1	07 21.97	+09 52.5	18.5	-0.92	+ 3.9	3.8/10.7	25538
1981 EQ ₉	97 01 09.1	07 22.03	+14 59.9	17.2	-0.86	+ 1.4	2.3/09.9	25647
1981 EZ ₃₁	97 01 09.1	07 22.25	+19 54.7	19.8	-0.95	- 1.1	0.7/09.3	26921
1994 EQ ₁	97 01 09.1	07 22.43	+15 19.3	15.9	-1.06	+ 3.3	3.3/10.0	28617
1995 UW ₆	97 01 09.2	07 22.44	+34 22.0	17.4	-1.00	+ 2.2	3.9/07.7	28859
1986 AT ₂	97 01 09.2	07 22.63	+03 30.9	15.5	-0.82	+ 7.1	6.4/12.6	27709
1991 PK ₁₅	97 01 09.3	07 22.94	+25 17.3	17.8	-1.10	+ 1.0	1.1/09.0	28886
2765 P-L	97 01 09.3	07 23.29	+24 07.0	18.9	-1.05	+ 1.9	0.8/09.2	22694
(7372)	97 01 09.4	07 23.28	+19 50.2	16.4	-0.93	+ 2.6	0.7/09.7	28819
1981 TZ	97 01 09.4	07 23.62	+35 01.0	18.1	-1.11	+ 0.7	4.2/08.2	27553
4217 T-1	97 01 09.4	07 23.71	+23 47.2	17.5	-1.08	+ 4.1	0.8/09.3	23987
1987 HE	97 01 09.5	07 23.80	-14 41.8	17.4	-1.00	+ 5.9	16.2/15.4	27727
1991 PT ₇	97 01 09.5	07 24.13	+25 24.4	18.3	-1.12	+ 2.1	1.2/09.2	24583
1988 TG	97 01 09.6	07 24.48	-22 49.8	17.1	-1.00	+ 2.2	18.9/21.0	25648
1990 TU	97 01 09.7	07 24.54	+03 35.1	16.8	-0.86	+ 1.3	6.0/12.0	26420
1981 DY ₁	97 01 09.7	07 24.78	+33 41.7	19.8	-0.97	- 0.1	3.1/08.6	26914
1981 ER ₁₈	97 01 09.7	07 24.98	+29 52.0	17.3	-1.11	+ 0.2	3.6/09.0	22429
1988 SN ₁	97 01 09.8	07 25.19	+20 55.1	18.3	-1.11	+ 5.0	0.4/10.0	28842
1981 ET ₁₄	97 01 09.9	07 25.52	+20 25.9	17.7	-0.90	+ 0.8	0.6/10.1	26187
1990 SB ₆	97 01 09.9	07 25.65	+20 38.8	17.2	-0.93	+ 3.0	0.5/10.1	23515
1997 AB ₅	97 01 10.0	07 26.26	+34 24.0	16.6	-1.16	+ 2.8	5.9/08.5	28879
1990 RG ₃	97 01 10.1	07 26.38	+19 19.1	16.3	-0.93	+ 2.1	0.9/10.4	28844
1991 GP ₇	97 01 10.1	07 26.80	+24 46.4	17.1	-1.20	+ 1.2	1.3/09.9	22083
1996 YD	97 01 10.2	07 27.05	+26 18.4	15.7	-1.17	+ 3.1	2.1/09.7	28875
1996 XX ₃₀	97 01 10.3	07 27.63	+16 46.7	16.4	-1.01	+ 0.8	2.3/10.9	28874
4087 P-L	97 01 10.4	07 27.67	+25 21.9	17.5	-1.10	+ 2.0	1.5/10.0	28892
1996 YF	97 01 10.4	07 27.68	+27 51.7	15.7	-1.16	+ 5.7	2.8/09.5	28875
(6760)	97 01 10.4	07 27.96	+14 16.1	17.6	-0.94	+ 1.2	2.5/11.3	26382
1981 EX ₃₇	97 01 10.4	07 28.10	+15 19.0	19.7	-1.14	+ 2.3	2.8/11.2	26922
1992 SB ₁₃	97 01 10.5	07 28.17	+27 59.0	15.5	-1.17	+ 3.5	2.8/09.7	28848
1993 FW ₈	97 01 10.5	07 28.30	+25 20.3	17.9	-0.96	+ 2.5	1.1/10.1	28887
1981 EB ₉	97 01 10.5	07 28.35	+37 11.1	17.9	-1.20	+ 0.1	4.9/09.0	28611
1996 XH ₃₁	97 01 10.5	07 28.49	+20 54.1	16.3	-1.10	+ 1.3	0.5/10.7	28875
1996 YM	97 01 10.6	07 28.52	+24 17.5	16.2	-1.14	+ 4.1	1.0/10.3	28876
(7311)	97 01 10.6	07 28.64	+25 16.2	17.6	-0.98	+ 2.0	1.1/10.2	28291
1992 SY ₁₄	97 01 10.8	07 29.55	+10 34.8	16.0	-1.12	- 0.2	5.1/12.0	28887
1981 EU ₂₀	97 01 11.0	07 30.22	+22 18.5	18.6	-1.03	+ 1.9	0.2/11.0	28882

1979 TT ₂	97 01 11.0	07 30.28	+27 20.9	17.5	-1.13	+ 2.6	2.0/10.4	22696
(7371)	97 01 11.0	07 30.29	+23 59.5	18.5	-0.85	+ 2.1	0.6/10.7	28819
(6720)	97 01 11.0	07 30.30	+41 39.8	15.5	-1.09	+ 4.1	6.9/08.0	26157
1996 XL ₃₁	97 01 11.2	07 31.30	+18 24.7	16.6	-1.10	+ 4.1	1.4/11.7	28875
2191 T-3	97 01 11.3	07 31.62	+27 01.5	18.6	-1.04	+ 1.0	2.1/10.7	25971
3182 T-1	97 01 11.4	07 32.41	+19 54.6	17.7	-0.89	+ 1.4	0.6/11.7	28880
1994 JQ ₆	97 01 11.5	07 32.52	+18 37.7	20.0	-0.97	+ 2.4	1.0/12.0	23679
1994 FB	97 01 11.5	07 32.54	+17 30.1	16.7	-1.12	+ 2.7	1.9/12.1	28888
1979 OA	97 01 11.5	07 32.73	+26 18.9	19.0	-0.99	- 1.2	1.1/11.2	25527
1992 EN ₂₅	97 01 11.6	07 32.81	+22 44.4	19.1	-0.86	+ 2.2	0.3/11.5	24106
1996 XH ₂₆	97 01 11.6	07 32.95	+20 38.1	17.5	-1.09	+ 2.4	0.5/11.8	28874
1981 EZ ₂₅	97 01 11.6	07 32.97	+49 50.2	16.6	-1.31	- 1.5	8.9/09.2	25972
1989 YU ₅	97 01 11.7	07 33.27	+20 26.3	17.1	-1.23	+ 1.7	11.0/32.0	22081
1995 PV	97 01 11.8	07 33.95	+31 37.1	17.1	-1.27	+ 0.8	3.6/10.8	28856
1981 EM ₂₆	97 01 11.9	07 34.42	+31 28.5	18.2	-0.95	+ 1.5	2.9/10.7	23788
1981 DL	97 01 12.0	07 34.95	+09 18.9	18.6	-0.85	+ 0.3	4.1/13.5	26914
4195 T-3	97 01 12.1	07 35.31	+00 27.4	17.7	-1.00	+ 3.5	7.8/15.2	27732
4837 P-L	97 01 12.1	07 35.42	+22 11.1	17.6	-0.89	+ 2.0	0.2/12.1	28892
1981 ER ₂₄	97 01 12.1	07 35.47	+18 37.9	18.9	-1.15	+ 2.6	1.2/12.6	22697
1994 EL ₃	97 01 12.2	07 35.77	+04 51.4	17.1	-0.99	+ 5.2	6.2/15.0	28888
(7369)	97 01 12.2	07 35.81	+10 34.7	15.1	-1.45	- 9.8	5.3/12.4	28818
1995 OK	97 01 12.3	07 36.15	+19 04.6	18.7	-1.10	+ 5.3	1.0/12.7	25652
1993 BF ₃	97 01 12.3	07 36.35	+27 34.8	16.3	-1.10	0.0	2.7/11.8	28887
1996 XZ ₂₅	97 01 12.4	07 36.35	+22 40.2	16.9	-0.89	+ 5.9	0.4/12.2	28874
(6756)	97 01 12.4	07 36.60	+17 47.6	17.4	-1.02	+ 1.1	1.5/12.9	26381
4254 T-2	97 01 12.4	07 36.63	+25 13.7	17.8	-1.13	+ 3.2	1.3/12.0	22495
1993 FO ₄₈	97 01 12.5	07 36.72	+21 29.6	17.8	-0.92	+ 2.1	0.0/12.5	25961
1993 FB ₅	97 01 12.5	07 36.75	+30 23.6	17.0	-1.06	+ 2.2	3.2/11.3	23521
1989 WS ₂	97 01 12.5	07 36.75	+22 52.4	14.7	-1.11	+ 7.9	0.6/12.3	28884
1995 OX ₁	97 01 12.5	07 36.94	+27 52.1	17.7	-1.16	+ 3.9	2.2/11.7	28855
2563 P-L	97 01 12.5	07 37.02	+20 05.4	17.4	-0.83	+ 2.2	0.4/12.8	28891
1986 AJ	97 01 12.6	07 37.13	+20 26.4	15.4	-1.59	- 9.4	0.6/12.6	25537
1996 YJ	97 01 12.6	07 37.14	+19 20.3	16.7	-1.17	- 0.2	0.9/12.8	28875
1995 UB ₁₃	97 01 12.6	07 37.37	+35 50.4	19.4	-1.24	+ 2.6	5.0/10.7	26760
1167 T-2	97 01 12.6	07 37.39	+19 47.7	18.7	-0.99	+ 2.0	0.7/12.9	21603
1994 GB ₉	97 01 12.6	07 37.58	+17 43.1	16.8	-1.11	+ 3.1	1.6/13.2	23791
1996 YB ₁	97 01 12.7	07 37.57	+24 34.6	16.2	-1.01	+ 1.5	1.1/12.3	28876
1949 QL	97 01 12.8	07 38.43	+29 14.8	16.2	-1.32	+ 0.2	3.3/12.1	28881
1983 RT ₃	97 01 12.8	07 38.49	+34 04.9	17.1	-1.27	- 2.3	5.1/11.9	22076
1995 SH ₅	97 01 12.9	07 38.64	+21 35.2	17.8	-0.93	+ 2.0	0.0/12.9	28889
2043 P-L	97 01 12.9	07 38.92	+29 09.9	19.9	-1.12	+ 1.8	2.4/12.0	23984
1990 RK ₅	97 01 13.0	07 38.91	+14 50.8	18.3	-0.89	+ 2.1	1.9/13.9	26579
1981 EJ ₇	97 01 13.0	07 39.32	+24 25.8	17.0	-0.92	+ 0.2	0.9/12.8	23787
4306 T-2	97 01 13.1	07 39.37	+36 16.8	17.6	-1.25	+ 2.1	5.0/11.2	26416
1981 EP ₄₅	97 01 13.1	07 39.77	+37 03.2	20.2	-1.00	+ 0.5	4.2/11.2	26923
1981 EC ₁₈	97 01 13.2	07 39.71	+13 43.3	19.4	-0.81	+ 2.5	2.2/14.3	24557
1996 YO	97 01 13.2	07 39.71	+18 43.5	16.6	-1.16	+ 1.6	1.3/13.5	28876
1992 EC ₁₂	97 01 13.2	07 39.78	+08 22.4	17.4	-0.78	+ 3.7	3.7/15.3	28847
1996 YR	97 01 13.2	07 39.92	+24 24.7	17.3	-1.16	+ 7.2	1.4/12.7	28876
1992 WJ ₂	97 01 13.2	07 40.00	+31 33.3	17.0	-1.21	+ 3.7	3.7/11.8	23992
1988 TE	97 01 13.5	07 41.23	+20 22.2	16.6	-1.13	+ 2.4	0.4/13.7	28842

1995 RK	97 01 13.6	07 41.64	+15 24.9	18.9	-1.08	+ 1.3	2.2/14.4	28856	1995 UP ₆	97 01 16.2	07 52.92	+01 52.6	18.8	-0.95	+ 1.1	6.2/19.0	28859
1981 EG ₁₂	97 01 13.7	07 41.96	+10 06.8	18.2	-0.99	+ 1.4	4.1/15.1	26394	1995 TW	97 01 16.3	07 53.14	-07 54.4	19.9	-0.90	- 1.9	9.4/20.0	26568
1996 YY	97 01 13.8	07 42.49	+19 30.1	16.3	-1.10	- 0.3	0.6/14.0	28876	1990 SP ₇	97 01 16.3	07 53.30	+25 10.3	16.1	-0.99	+ 3.3	1.5/15.7	28614
1993 FG ₆	97 01 13.9	07 43.13	+24 16.6	16.8	-0.94	+ 2.4	0.9/13.6	26190	1981 DO ₃	97 01 16.3	07 53.36	+19 50.9	17.9	-0.85	+ 1.1	0.3/16.5	28882
1995 UJ ₁	97 01 14.0	07 43.15	+06 24.6	17.4	-0.84	+ 2.6	4.7/16.3	28618	2074 T-2	97 01 16.3	07 53.44	+20 12.9	20.0	-0.87	+ 2.4	0.2/16.5	26416
1988 RF ₉	97 01 14.0	07 43.63	+22 28.9	17.9	-1.17	+ 3.9	0.5/13.9	28884	1994 FF	97 01 16.4	07 53.62	+18 28.4	15.9	-1.11	+ 6.3	1.0/16.9	28852
1997 AG	97 01 14.1	07 43.79	+24 02.1	17.2	-1.18	+ 0.6	1.2/13.8	28877	1978 OB	97 01 16.6	07 54.64	+21 06.3	18.5	-1.12	+ 5.1	0.1/16.6	28881
1981 EG ₈	97 01 14.1	07 43.92	+21 06.3	19.8	-1.09	+ 1.4	0.1/14.2	26916	1996 XY ₁₁	97 01 16.6	07 54.80	+24 06.6	19.3	-0.95	+ 3.3	1.1/16.2	28872
1981 EM ₂₃	97 01 14.2	07 44.07	+36 01.0	18.4	-1.06	+ 0.6	5.1/12.4	26919	1993 FS ₂₉	97 01 16.7	07 54.99	+20 06.7	18.0	-0.95	+ 1.5	0.2/16.8	28887
1996 YK	97 01 14.2	07 44.17	+20 39.5	17.2	-0.83	+ 2.1	0.2/14.3	28876	6074 P-L	97 01 16.7	07 55.18	+21 36.8	19.4	-1.20	+ 3.1	0.3/16.7	28892
1977 UM ₄	97 01 14.2	07 44.29	+25 21.5	17.1	-1.15	+ 2.6	1.5/13.7	28610	1981 EH ₃₇	97 01 16.7	07 55.24	+09 49.8	18.6	-0.97	+ 3.3	5.2/18.7	26922
1996 YC ₁	97 01 14.2	07 44.46	+17 18.6	17.2	-1.10	- 0.2	1.6/14.7	28876	1991 PQ ₁₁	97 01 16.9	07 55.78	+22 29.0	16.9	-1.08	+ 1.0	0.6/16.7	28614
1992 UN ₂	97 01 14.2	07 44.52	+26 25.4	16.7	-1.14	+ 3.3	2.4/13.6	28848	1991 RA ₄	97 01 17.0	07 56.17	+08 13.9	18.0	-1.00	+ 2.2	4.6/18.8	26169
1991 GN ₁₀	97 01 14.4	07 44.87	+23 00.6	17.3	-1.16	+ 4.8	0.7/14.1	24104	4190 T-3	97 01 17.0	07 56.25	+33 44.9	15.8	-1.04	+ 4.9	5.4/14.7	23681
1991 RV ₄	97 01 14.4	07 44.91	+17 33.2	18.4	-1.01	+ 2.1	1.4/14.9	28846	1997 AY	97 01 17.1	07 56.69	+25 26.7	16.7	-0.89	+ 2.9	1.3/16.4	28878
1994 JN	97 01 14.5	07 45.48	+01 10.9	17.6	-0.91	+ 2.3	6.2/17.5	26581	1982 SJ ₇	97 01 17.1	07 56.92	+12 11.5	18.1	-0.93	+ 3.5	2.6/18.6	27324
1981 EF ₂₁	97 01 14.6	07 46.22	+08 27.2	19.2	-0.95	+ 4.6	5.0/16.8	25972	(7384)	97 01 17.2	07 56.93	+14 37.0	17.4	-0.93	+ 2.1	2.0/18.1	28822
1993 GH	97 01 14.7	07 46.33	+36 37.6	16.2	-1.01	+ 2.7	4.6/12.3	28887	1978 RR ₁	97 01 17.2	07 57.36	+17 47.8	18.4	-1.10	+ 4.1	1.1/17.8	28838
1992 DO ₇	97 01 14.7	07 46.38	+22 02.6	19.6	-0.86	+ 3.0	0.3/14.6	27713	(7377)	97 01 17.4	07 57.76	+23 48.0	18.8	-1.20	+ 1.7	1.2/17.0	28820
1981 EU ₂₈	97 01 14.7	07 46.58	+21 27.5	17.2	-1.19	+ 1.5	0.1/14.7	27304	1981 ES ₁₄	97 01 17.4	07 57.80	+20 57.0	18.1	-1.04	+ 1.5	0.1/17.4	26578
1997 AH	97 01 14.7	07 46.64	+25 17.9	15.9	-1.09	+ 5.8	1.8/14.1	28878	1995 UX ₆	97 01 17.4	07 58.11	+23 30.0	19.6	-0.89	+ 2.5	0.8/17.0	28889
1979 UC ₄	97 01 14.9	07 47.39	+27 44.2	16.2	-1.07	+ 1.7	3.0/14.1	27725	1995 UL ₃	97 01 17.4	07 58.19	+37 02.9	17.2	-0.97	+ 1.3	4.4/15.0	28859
1995 OF	97 01 15.0	07 47.52	+15 53.4	19.2	-1.13	+ 0.9	2.0/15.6	25731	1992 EJ ₉	97 01 17.4	07 58.21	+29 30.3	16.7	-0.95	+ 2.6	2.9/16.1	25975
1992 EG ₁₆	97 01 15.0	07 47.90	+18 30.7	15.9	-0.87	+ 2.7	1.0/15.5	28847	1993 FF ₈₂	97 01 17.7	07 59.24	+28 01.7	16.8	-1.00	+ 2.7	2.5/16.6	25961
1984 DD ₁	97 01 15.0	07 47.93	+24 14.6	17.3	-1.21	+ 1.8	1.3/14.7	28839	1997 AK ₁	97 01 17.7	07 59.39	+25 30.5	16.4	-1.11	+ 6.2	2.2/16.9	28878
1162 T-1	97 01 15.1	07 47.95	+33 36.5	18.1	-1.02	+ 0.6	3.8/13.4	24909	1990 EM ₁	97 01 17.7	07 59.42	+12 54.2	17.7	-1.03	+ 2.3	2.7/18.9	26757
1995 SL ₃	97 01 15.2	07 48.33	+20 25.0	19.7	-1.06	+ 2.6	0.2/15.3	28857	1995 RJ	97 01 17.8	07 59.47	+23 52.7	19.3	-1.00	+ 5.0	1.0/17.2	26422
1981 DB ₃	97 01 15.2	07 48.53	+09 25.4	17.8	-0.99	+ 1.6	4.1/17.0	25647	1996 XE ₁₂	97 01 17.8	07 59.74	+24 19.6	18.2	-0.94	+ 2.8	1.2/17.3	28891
1995 SX ₁₉	97 01 15.2	07 48.62	+18 25.3	16.6	-0.91	+ 2.6	0.9/15.7	26422	1981 EP ₁₈	97 01 17.8	07 59.79	+09 02.4	18.5	-0.81	+ 3.1	3.5/19.8	15703
2134 T-3	97 01 15.3	07 48.90	+30 16.0	16.2	-1.08	- 0.6	3.9/14.3	23534	1988 RA ₁₁	97 01 17.8	07 59.88	+20 18.6	18.3	-0.80	+ 2.9	0.1/17.9	28884
1981 EJ ₉	97 01 15.3	07 48.91	+23 14.0	18.6	-1.08	+ 0.8	0.9/15.1	28611	1989 TR ₃	97 01 17.9	08 00.10	+09 51.7	18.1	-0.80	+ 3.8	3.2/19.9	25062
1981 EO ₉	97 01 15.3	07 49.04	+28 40.3	17.5	-0.93	+ 0.2	2.1/14.4	27930	1978 RK	97 01 17.9	08 00.16	+45 30.5	17.6	-1.19	- 0.3	7.7/14.6	23787
1990 WC ₉	97 01 15.4	07 49.25	+34 58.1	17.1	-0.99	+ 4.5	4.5/13.0	27711	1995 TG	97 01 17.9	08 00.28	+35 12.3	17.2	-0.98	+ 3.8	4.3/15.4	28889
1986 QA ₁	97 01 15.4	07 49.63	+25 54.1	16.7	-1.03	+ 3.2	1.8/14.7	28840	1990 UG	97 01 18.0	08 00.50	+02 45.5	16.2	-0.84	+ 2.5	5.9/21.1	28885
1991 GC ₆	97 01 15.6	07 50.06	+35 12.6	16.6	-1.28	+ 2.5	6.8/13.6	28614	1993 DV	97 01 18.1	08 01.23	+17 44.6	15.7	-0.98	+ 1.5	1.3/18.6	28850
(6696)	97 01 15.6	07 50.39	+23 25.7	17.2	-0.98	+ 2.4	0.7/15.3	26151	1992 EE ₁₁	97 01 18.2	08 01.33	+21 41.5	17.3	-0.87	+ 3.0	0.4/18.0	28886
4801 P-L	97 01 15.6	07 50.52	+21 52.7	19.9	-0.83	+ 2.6	0.2/15.6	23791	1994 PS ₃₇	97 01 18.2	08 01.65	+19 36.5	16.9	-0.87	+ 2.8	0.3/18.4	28853
1991 PA ₇	97 01 15.7	07 50.68	+23 46.1	18.7	-1.09	+ 2.4	0.9/15.4	28614	1997 AV ₂	97 01 18.3	08 01.67	+24 59.9	14.0	-0.94	+ 4.4	2.2/17.5	28879
2550 P-L	97 01 15.7	07 50.79	+23 51.2	18.6	-1.13	+ 3.3	1.0/15.3	28619	(7437)	97 01 18.3	08 01.87	+18 52.8	16.6	-1.05	+ 6.7	0.7/18.7	28835
5122 T-3	97 01 15.7	07 50.93	+21 36.1	17.8	-1.07	+ 4.7	0.2/15.7	23681	1993 FC ₅₁	97 01 18.3	08 01.94	+21 12.6	18.3	-0.94	+ 2.4	0.2/18.3	28850
3198 T-2	97 01 15.8	07 51.13	+29 59.3	17.5	-0.95	+ 2.6	3.3/14.4	25971	1995 SX	97 01 18.4	08 02.01	+11 18.7	18.0	-1.03	+ 3.7	3.3/19.9	26568
(6797)	97 01 15.8	07 51.14	+21 44.7	16.2	-0.93	+ 2.1	0.2/15.7	26391	1978 PV ₃	97 01 18.4	08 02.17	+18 20.8	18.0	-1.14	+ 2.0	0.8/18.7	28881
(7407)	97 01 15.8	07 51.22	+21 03.6	15.3	-1.07	+ 1.7	0.0/15.9	28828	1981 ET ₅	97 01 18.4	08 02.26	+03 04.9	18.7	-0.94	+ 2.4	6.2/21.3	26915
1991 RD ₂₄	97 01 15.8	07 51.24	+20 05.6	16.7	-1.05	+ 4.9	0.3/16.0	25974	1979 OV ₄	97 01 18.4	08 02.44	+20 54.9	16.8	-0.93	+ 2.4	0.2/18.4	27553
1990 FL	97 01 15.9	07 51.48	-08 19.4	16.8	-0.98	+ 8.7	11.6/22.1	26189	1981 EX ₃₂	97 01 18.5	08 02.47	+10 35.4	19.9	-0.94	+ 2.3	3.1/20.1	26921
1981 EM ₁₀	97 01 15.9	07 51.83	+29 13.6	18.2	-0.94	+ 0.6	2.4/14.9	26899	3178 T-1	97 01 18.5	08 02.69	+24 31.8	19.0	-1.10	+ 3.0	1.5/17.9	28607
4078 T-1	97 01 16.0	07 51.87	+16 05.5	18.2	-1.14	+ 5.3	2.1/17.0	24115	1981 EZ ₃₃	97 01 18.6	08 02.86	+16 42.7	17.9	-0.88	+ 1.6	1.2/19.2	25972
1992 WG ₃	97 01 16.0	07 51.92	+17 59.8	16.3	-1.02	+ 2.8	1.4/16.5	22274	1981 EN ₄₂	97 01 18.6	08 03.21	+18 37.8	19.2	-1.14	+ 3.4	0.7/18.9	26922
2100 T-2	97 01 16.1	07 52.33	-02 16.5	18.9	-0.80	+ 3.6	7.4/20.5	26186	1978 ST ₇	97 01 18.6	08 03.22	+25 00.6	15.4	-1.18	- 0.6	2.2/18.1	28882
1996 XQ ₁₁	97 01 16.1	07 52.36	+25 04.2	17.4	-0.99	+ 3.9	1.7/15.5	28872	(6732)	97 01 18.6	08 03.33	+20 50.1	16.3	-0.87	+ 3.5	0.1/18.6	26160
1990 VK ₆	97 01 16.1	07 52.60	+04 14.2	18.0	-0.81	+ 2.8	4.6/19.0	23516	1992 YM ₂	97 01 18.7	08 03.47	+27 26.0	17.2	-1.09	+ 5.8	2.7/17.4	28587

1995 TN	97 01 18.7	08 03.56	+34 40.2	18.4	-1.02	+ 1.1	4.5/16.6	28889
1981 ER ₂₅	97 01 18.9	08 04.41	+14 07.6	18.5	-0.98	+ 4.2	2.5/20.1	21932
1991 KA	97 01 19.0	08 04.61	+22 04.8	16.6	-1.14	+ 5.6	0.7/18.7	28886
1996 TC ₁₅	97 01 19.0	08 04.71	+28 42.4	18.0	-1.02	+ 5.2	2.8/17.5	28865
1994 GO ₁	97 01 19.1	08 05.22	+05 54.6	16.6	-0.91	+ 6.5	4.8/22.2	28888
1997 AV ₁	97 01 19.1	08 05.23	+24 08.8	17.4	-1.16	+ 0.1	1.5/18.7	28878
1993 FS ₃₉	97 01 19.3	08 06.14	+18 09.0	16.9	-0.88	+ 2.9	0.6/19.7	28887
(6721)	97 01 19.4	08 06.26	+41 25.7	17.5	-1.07	+ 3.8	5.8/15.4	26157
1985 TS	97 01 19.4	08 06.37	+26 20.2	17.4	-1.19	+ 2.5	2.5/18.5	28315
1993 FF ₇₆	97 01 19.4	08 06.69	+18 33.7	18.2	-0.93	+ 2.6	0.6/19.8	28087
1996 YO ₁	97 01 19.5	08 06.73	+19 06.0	16.8	-1.08	+ 2.6	0.5/19.7	28877
1981 EV ₁₃	97 01 19.5	08 07.09	+06 21.4	18.3	-0.77	+ 2.3	3.6/22.0	26917
1990 TE ₇	97 01 19.6	08 07.28	+06 28.9	18.3	-0.85	+ 2.6	4.3/22.0	26189
2076 T-2	97 01 19.6	08 07.33	+15 32.2	18.5	-1.15	+ 4.2	2.0/20.4	28880
2287 T-3	97 01 19.7	08 07.57	+20 18.8	18.2	-0.97	+ 2.1	0.0/19.7	26423
1992 PC	97 01 19.7	08 07.82	+12 10.7	18.5	-1.14	+ 4.3	3.2/21.1	28886
1995 QW ₃	97 01 19.7	08 07.84	-08 50.2	18.9	-1.09	- 1.2	10.4/23.8	26404
(6835)	97 01 19.7	08 07.93	+13 49.4	18.2	-0.99	+ 2.9	2.3/20.8	26554
1988 TM ₁	97 01 19.8	08 07.99	+16 53.3	16.4	-1.07	+ 3.4	1.4/20.4	28613
1997 AY ₁	97 01 19.8	08 08.18	+28 38.3	16.2	-1.09	+ 4.2	3.3/18.3	28878
1978 RV ₁	97 01 19.8	08 08.22	+19 57.4	17.9	-1.11	+ 3.7	0.1/19.9	28881
1981 ED ₇	97 01 19.8	08 08.23	+00 40.0	20.1	-0.78	+ 1.8	5.4/23.2	26916
3105 T-1	97 01 19.9	08 08.44	+21 42.6	17.6	-1.10	+ 2.4	0.6/19.7	26192
1996 YF ₂	97 01 19.9	08 08.51	+18 32.6	16.2	-1.09	+ 1.6	0.6/20.2	28877
1981 EK ₅	97 01 19.9	08 08.60	+19 23.6	18.6	-0.87	+ 1.1	0.2/20.1	22270
1995 LK	97 01 20.0	08 09.00	+21 36.7	17.6	-1.36	- 3.9	0.5/19.9	28318
1995 SU ₃	97 01 20.0	08 09.20	+25 36.8	17.5	-1.21	+ 1.6	2.0/19.3	28858
1097 T-3	97 01 20.0	08 09.22	+08 49.4	17.3	-0.95	+ 1.3	4.1/22.0	24405
1992 EK ₇	97 01 20.0	08 09.24	+30 11.4	17.9	-0.96	+ 3.3	3.4/18.2	26421
(7333)	97 01 20.1	08 09.23	+17 34.1	16.7	-1.07	+ 0.4	0.9/20.5	28570
4206 P-L	97 01 20.1	08 09.52	+35 09.4	18.2	-1.31	+ 0.6	5.4/18.0	28892
1990 QR ₁	97 01 20.2	08 10.01	+19 48.5	17.4	-0.93	+ 3.2	0.1/20.3	28843
(7184)	97 01 20.2	08 10.06	+33 20.5	16.9	-1.10	+ 4.6	4.6/17.8	27900
1990 TR ₁₂	97 01 20.3	08 10.38	+07 49.9	17.2	-0.85	+ 1.5	3.6/22.4	27325
1991 PF ₁₈	97 01 20.4	08 10.58	+16 00.8	16.4	-1.03	+ 1.9	1.6/21.1	28886
(7410)	97 01 20.4	08 10.84	+24 21.3	17.8	-1.06	+ 1.2	1.5/19.8	28829
1990 VU ₁₄	97 01 20.5	08 11.07	+27 42.6	15.7	-0.91	+ 4.9	2.7/19.0	28885
1990 VX ₆	97 01 20.6	08 11.55	+25 13.6	17.7	-0.90	+ 5.4	1.6/19.6	28844
1997 AA ₂	97 01 20.6	08 11.64	+24 56.6	15.9	-1.02	+ 3.1	2.0/19.8	28879
1991 PY ₂	97 01 20.6	08 11.69	+27 34.5	16.1	-1.23	- 2.3	3.5/19.8	23516
1995 UL	97 01 20.6	08 11.76	+26 02.9	17.5	-1.00	+ 2.2	2.0/19.7	28858
4822 P-L	97 01 20.6	08 11.83	+18 54.0	19.0	-0.89	+ 3.6	0.3/20.9	20515
(6781)	97 01 20.7	08 12.09	+03 29.2	18.1	-0.91	+ 1.8	4.8/23.5	26387
1990 UP ₁₁	97 01 20.7	08 12.20	+25 48.2	16.1	-0.92	+ 3.3	1.9/19.7	26420
1982 OD	97 01 20.8	08 12.36	+20 13.3	17.9	-0.95	+ 6.1	0.1/20.8	28883
1981 EM ₆	97 01 20.8	08 12.66	-00 27.6	19.1	-0.92	+ 2.6	6.8/24.6	26915
1988 PD ₁	97 01 21.1	08 13.67	-10 58.4	18.4	-0.98	+ 8.5	10.6/29.3	25648
(7420)	97 01 21.1	08 13.82	+19 59.6	18.1	-1.04	+ 3.8	0.0/21.2	28831
1992 ER ₉	97 01 21.2	08 14.29	+19 23.7	17.4	-0.82	+ 2.8	0.1/21.4	26421
1980 EF	97 01 21.3	08 14.31	+36 19.0	17.1	-1.36	+ 1.1	7.3/18.6	18804
1978 UN ₄	97 01 21.3	08 14.39	-00 41.8	16.8	-0.80	+ 2.1	6.1/25.0	24893

1995 SO ₁	97 01 21.3	08 14.43	+09 56.6	17.1	-1.01	- 3.2	3.3/22.4	26176
1990 OE ₄	97 01 21.3	08 14.51	+09 23.3	19.0	-0.86	+ 2.9	2.8/23.3	21974
1980 FU	97 01 21.3	08 14.69	+28 15.0	17.3	-1.24	+ 1.4	3.5/20.1	24238
1991 PL ₁₃	97 01 21.4	08 14.77	+18 26.0	18.3	-1.03	+ 2.9	0.5/21.6	26580
1995 US ₁₁	97 01 21.4	08 15.10	+37 00.7	19.2	-1.15	+ 1.9	5.1/18.6	26423
(7200)	97 01 21.4	08 15.18	-05 59.7	20.1	-0.75	+ 1.1	5.8/26.3	27904
1991 AJ ₃	97 01 21.5	08 15.15	+14 47.1	17.2	-0.89	- 0.5	1.5/22.2	28584
1981 UH ₂₈	97 01 21.5	08 15.22	+25 14.4	18.0	-0.99	+ 2.3	1.8/20.6	28611
1993 OV ₁₀	97 01 21.5	08 15.42	+17 43.2	19.9	-0.65	+ 2.0	0.4/22.0	22959
1992 US ₁	97 01 21.5	08 15.57	+32 47.9	17.1	-1.24	+ 4.1	5.2/19.3	21589
1997 AM ₂	97 01 21.6	08 15.77	+25 48.7	15.2	-1.14	+ 5.2	2.3/20.5	28879
(6689)	97 01 21.6	08 15.88	+12 35.8	18.5	-1.10	+ 3.9	2.7/22.9	26150
1981 EA ₄₁	97 01 21.7	08 15.98	+11 22.7	18.7	-0.81	+ 3.6	2.7/23.3	22271
1992 ER ₆	97 01 21.7	08 16.20	+27 10.6	17.4	-0.87	+ 3.2	2.1/20.3	26580
1996 YU ₁	97 01 21.7	08 16.27	+23 08.8	16.6	-1.00	+ 8.1	1.2/21.0	28877
1992 WU ₃	97 01 21.7	08 16.31	+21 31.6	16.4	-1.12	+ 2.7	10.7/11.0	23539
1992 WJ ₃	97 01 21.7	08 16.35	+11 46.3	16.3	-1.03	+ 5.1	3.3/23.3	28317
1979 SG ₂	97 01 21.9	08 17.08	+19 33.1	18.1	-1.23	+ 1.4	10.1/11.0	28882
1991 PW	97 01 21.9	08 17.25	+16 44.3	18.9	-1.03	+ 2.6	1.0/22.5	28845
2091 P-L	97 01 22.0	08 17.32	+14 39.7	18.3	-1.10	+ 2.7	2.1/22.9	28891
1981 EV ₉	97 01 22.0	08 17.47	+17 22.1	18.4	-1.16	+ 0.8	1.1/22.4	25536
1981 EE ₁₃	97 01 22.0	08 17.48	+24 21.9	19.3	-1.04	+ 1.6	1.5/21.3	26917
1992 YP ₂	97 01 22.0	08 17.66	+29 16.5	17.6	-1.06	+ 7.2	4.1/20.0	28616
1992 UE ₄	97 01 22.2	08 18.33	+23 19.1	16.6	-1.11	+ 5.4	1.6/21.5	21590
1997 AO ₂	97 01 22.2	08 18.54	+28 38.9	16.9	-0.92	+ 6.5	3.1/20.3	28879
1981 ER ₂	97 01 22.2	08 18.58	-12 30.8	17.7	-0.77	+ 4.3	11.8/29.6	26915
1981 DA ₂	97 01 22.3	08 18.64	+18 29.5	18.2	-0.89	+ 1.0	0.4/22.5	26914
1994 GL ₉	97 01 22.3	08 18.85	+13 15.0	16.9	-1.08	+ 3.0	2.8/23.4	26191
1981 EA ₄₀	97 01 22.4	08 18.97	+18 53.4	19.6	-0.80	+ 3.1	0.2/22.5	23788
2103 P-L	97 01 22.4	08 19.01	+14 38.0	17.3	-0.97	+ 3.0	1.8/23.3	21977
1990 UT ₁₀	97 01 22.4	08 19.10	+18 59.0	16.6	-0.90	+ 3.4	0.2/22.6	26420
1993 FE ₂₆	97 01 22.5	08 19.42	+05 55.4	17.4	-0.88	+ 3.6	5.7/25.2	23525
3099 T-1	97 01 22.5	08 19.45	+25 47.3	16.4	-1.23	+ 0.4	3.0/21.6	28892
1995 SL ₅	97 01 22.6	08 19.99	+15 30.3	18.9	-1.01	+ 3.8	1.3/23.4	25966
1981 EL ₃₄	97 01 22.8	08 20.95	+18 00.8	19.0	-0.82	+ 2.7	0.4/23.1	24116
1981 DS ₂	97 01 22.9	08 21.03	+15 51.9	18.7	-1.05	+ 0.1	1.3/23.4	26914
1992 SK ₁₃	97 01 22.9	08 21.08	+20 12.7	16.9	-1.19	+ 1.8	0.3/22.8	28848
(6802)	97 01 22.9	08 21.21	+21 49.7	17.7	-0.89	+ 2.6	0.7/22.5	26392
1995 PF	97 01 23.0	08 21.66	+11 21.0	19.3	-1.05	+ 0.3	2.8/24.3	26176
1995 SD ₂	97 01 23.1	08 22.12	+16 06.0	16.5	-0.96	+ 1.8	1.2/23.7	28618
1981 UD ₂₃	97 01 23.1	08 22.13	+23 32.9	16.9	-1.10	+ 4.6	1.6/22.4	28611
1995 SX ₂	97 01 23.1	08 22.25	+24 51.2	18.4	-1.08	+ 3.6	1.8/22.2	26404
1981 EM ₇	97 01 23.1	08 22.27	+10 46.9	18.4	-0.94	+ 2.9	2.7/24.8	27303
1975 SZ ₁	97 01 23.2	08 22.30	+14 58.8	17.6	-1.06	+ 5.2	2.1/24.1	22696
(6694)	97 01 23.2	08 22.53	+11 53.1	16.1	-0.96	+ 2.3	2.6/24.6	26151
(6832)	97 01 23.3	08 22.72	+22 04.1	17.1	-0.86	+ 3.1	0.8/22.8	26554
1996 XW ₁₈	97 01 23.3	08 23.14	+21 07.2	17.2	-1.08	+ 6.5	0.6/23.0	28872
1971 UG	97 01 23.4	08 23.48	+00 54.7	16.7	-0.86	+ 2.6	6.1/27.1	26417
1993 FU ₃₃	97 01 23.4	08 23.63	+26 34.1	16.2	-0.99	+ 4.0	2.7/22.1	26421
1993 KB ₂	97 01 23.5	08 23.60	-00 27.8	16.2	-0.76	+ 4.6	5.3/27.8	23790
4210 T-2	97 01 23.5	08 23.66	+16 12.7	16.6	-0.94	+ 5.3	1.2/24.2	23988

1997 AU	97 01 23.5	08 23.73	+22 35.5	16.5	-0.93	+ 2.9	1.0/22.9	28878	2575 P-L	97 01 26.7	08 36.94	+22 54.7	17.4	-0.92	+ 4.0	1.4/25.8	28891
1991 PG ₁₇	97 01 23.5	08 23.78	+21 00.3	16.7	-1.22	- 0.5	0.6/23.3	27120	1988 SN	97 01 26.7	08 37.16	+28 23.0	16.4	-1.19	+ 1.9	3.9/25.0	28842
1981 EA ₄₂	97 01 23.6	08 23.98	+08 42.3	18.5	-1.05	+ 6.7	4.6/25.9	23347	(6749)	97 01 26.7	08 37.24	+05 51.5	18.0	-0.92	+ 4.0	4.1/29.5	26164
1003 T-2	97 01 23.6	08 24.42	+18 08.1	16.7	-0.87	+ 3.0	0.4/23.9	26193	1989 WO ₁	97 01 26.7	08 37.27	+32 52.6	16.3	-0.87	+ 3.8	4.1/23.6	28884
1981 ER ₂₃	97 01 23.7	08 24.58	+20 55.8	18.6	-1.00	+ 4.2	0.7/23.4	22074	1990 QW ₉	97 01 26.7	08 37.27	+07 02.3	18.0	-0.90	+ 5.1	3.5/29.3	24895
1993 GR	97 01 23.7	08 24.74	+26 05.6	16.6	-0.99	+ 3.5	2.4/22.4	22432	1981 ET ₁₁	97 01 26.7	08 37.42	+30 35.8	18.9	-1.24	- 4.9	5.9/25.5	26917
1990 VY ₁₃	97 01 23.7	08 24.85	+24 26.4	15.6	-0.89	+ 3.6	1.8/22.8	27711	1995 VR	97 01 26.8	08 37.51	+00 44.7	18.1	-0.90	+ 2.9	5.4/30.5	28890
1982 DU	97 01 23.7	08 24.93	+40 38.2	15.6	-1.29	- 4.2	8.8/21.2	28883	1992 SG ₁₃	97 01 27.0	08 38.31	+27 54.1	17.6	-1.22	+ 2.9	3.7/25.3	22085
1976 DC	97 01 23.8	08 25.01	+33 56.4	16.7	-1.95	-15.8	8.2/23.8	22270	6588 P-L	97 01 27.1	08 38.55	+19 05.0	17.4	-0.85	+ 3.3	0.2/27.0	28892
1994 PV ₂₄	97 01 23.8	08 25.07	+23 04.2	17.9	-0.72	+ 2.3	0.9/23.1	28888	1981 ES ₂₃	97 01 27.1	08 38.66	+17 16.1	18.6	-0.98	+ 4.3	0.4/27.4	21931
1993 FO ₈	97 01 23.8	08 25.08	+23 41.5	16.0	-0.96	+ 4.8	1.6/22.9	28850	1995 WG ₇	97 01 27.2	08 39.03	-04 51.5	17.7	-0.81	+ 1.3	6.3/01.1	26906
1981 EA ₁₆	97 01 23.8	08 25.21	+25 05.2	17.9	-1.25	+ 1.5	2.4/22.9	26918	1980 FH ₄	97 01 27.2	08 39.09	+17 03.8	18.0	-1.10	+ 4.4	0.5/27.5	23969
(6704)	97 01 24.0	08 25.75	+16 11.7	16.2	-0.94	+ 2.4	1.1/24.6	26154	1990 QR ₂	97 01 27.2	08 39.16	+21 43.6	16.4	-0.97	+ 2.4	1.1/26.6	22813
1984 SV ₅	97 01 24.0	08 25.85	+30 42.3	18.1	-0.97	+ 1.7	3.4/22.0	20331	1990 RK ₇	97 01 27.2	08 39.17	+19 45.2	17.0	-0.91	+ 4.3	0.5/27.0	25974
1995 QQ ₃	97 01 24.1	08 26.30	+17 36.2	17.9	-0.98	+ 5.5	0.6/24.5	28889	5491 T-2	97 01 27.3	08 39.51	+25 48.1	17.8	-0.98	+ 0.3	2.3/26.0	25652
1981 EW ₂₀	97 01 24.2	08 26.72	+20 23.8	17.9	-0.82	+ 2.8	0.3/24.0	28882	1978 RU ₈	97 01 27.3	08 39.71	+08 51.0	17.9	-0.79	+ 5.6	2.9/29.6	24406
1992 FJ ₁	97 01 24.3	08 26.95	+29 02.1	15.6	-1.07	- 1.6	3.0/22.9	27935	1994 NT ₁	97 01 27.4	08 39.81	+19 20.1	15.9	-0.90	+ 9.7	0.4/27.2	28853
1981 EO ₃	97 01 24.4	08 27.35	+27 43.7	18.9	-1.12	+ 0.1	2.6/23.1	26915	4730 P-L	97 01 27.4	08 39.87	+25 44.2	19.5	-1.01	+ 3.3	2.4/25.9	26414
1995 UR ₈	97 01 24.5	08 28.00	+26 11.0	19.9	-1.03	+ 3.3	2.2/23.2	26423	1981 EQ ₁₈	97 01 27.4	08 39.91	+17 23.6	17.4	-0.85	+ 3.8	0.3/27.6	26187
1991 RP ₁	97 01 24.5	08 28.16	+36 51.2	17.6	-1.25	0.0	6.0/21.8	25734	1981 EL ₃₅	97 01 27.4	08 39.97	+04 04.2	19.8	-0.80	+ 2.0	4.1/30.3	26921
6624 P-L	97 01 24.6	08 28.27	+24 06.1	18.7	-1.12	+ 4.4	2.1/23.7	28892	1981 EU ₂₆	97 01 27.5	08 40.30	+12 29.2	18.7	-0.80	+ 3.9	1.7/28.8	23857
1990 QB ₈	97 01 24.6	08 28.29	+14 23.2	16.9	-0.89	+ 5.6	1.7/25.6	23515	1997 AT ₄	97 01 27.5	08 40.39	+17 05.3	16.8	-1.11	+ 1.8	0.5/27.8	28879
1981 EJ ₂₈	97 01 24.6	08 28.66	+16 48.6	18.4	-1.13	+ 4.7	0.9/25.1	26920	(6788)	97 01 27.5	08 40.59	+17 30.1	17.5	-1.06	+ 4.2	0.3/27.7	26388
4037 P-L	97 01 24.7	08 28.91	+29 41.3	16.4	-1.21	+ 1.1	4.8/23.0	28892	1978 RU	97 01 27.5	08 40.68	+24 06.2	18.4	-1.01	+ 3.3	1.7/26.4	28610
1997 AF ₁	97 01 24.8	08 29.07	+21 02.3	16.1	-0.86	+ 3.2	0.8/24.4	28878	1993 BA	97 01 27.6	08 40.65	+23 39.1	15.8	-0.97	+ 8.7	1.8/26.3	28849
1990 SE ₁₁	97 01 24.8	08 29.07	+20 47.8	17.3	-0.97	+ 1.3	0.5/24.5	25956	1995 SG ₅	97 01 27.6	08 41.08	+42 22.0	17.9	-1.18	+ 1.7	7.1/22.9	26177
1981 ET ₄₃	97 01 24.8	08 29.16	-18 09.5	19.5	-0.77	+ 4.8	11.6/03.5	22271	1986 QJ ₁	97 01 27.6	08 41.10	+12 19.5	18.3	-0.88	+ 6.5	1.8/29.1	23236
1992 WD ₁	97 01 24.9	08 29.46	+21 25.1	16.8	-1.08	+ 5.3	1.0/24.4	28887	1992 WO ₅	97 01 27.7	08 41.25	+21 52.2	15.7	-1.07	+ 5.8	1.4/27.0	28849
2665 P-L	97 01 24.9	08 29.72	+14 40.9	20.6	-0.98	+ 4.3	1.4/25.8	25969	4588 P-L	97 01 27.7	08 41.37	+10 20.0	19.1	-1.03	+ 5.0	2.8/29.5	28892
3535 T-3	97 01 25.2	08 30.73	+23 31.1	16.7	-1.10	+ 3.3	2.1/24.4	24915	1981 EQ ₄	97 01 27.8	08 41.45	+04 30.3	17.7	-0.82	+ 2.3	4.9/30.6	26915
1981 DK	97 01 25.2	08 30.81	+12 39.1	17.2	-0.89	+ 0.7	2.0/26.3	26914	1995 WX ₁	97 01 27.9	08 41.92	-03 11.4	16.3	-0.83	+ 0.8	7.0/32.0	28860
1981 ES ₁₆	97 01 25.2	08 30.98	+19 56.5	20.0	-1.03	+ 2.6	0.4/25.1	26918	1197 T-2	97 01 27.9	08 42.10	+15 25.4	18.9	-1.05	+ 4.0	1.0/28.5	24236
1993 FF ₂₁	97 01 25.2	08 31.00	+22 50.0	16.9	-0.97	+ 2.6	1.4/24.5	28850	1993 FU ₅₂	97 01 28.0	08 42.53	+17 06.9	17.9	-0.91	+ 5.4	0.4/28.3	28588
1991 PT ₁	97 01 25.3	08 31.29	+13 31.1	17.3	-1.07	+ 4.4	2.2/26.4	27728	1989 GM	97 01 28.0	08 42.59	+23 53.8	16.4	-0.96	+ 9.0	1.8/26.6	26189
1991 VW ₅	97 01 25.4	08 31.66	+24 03.8	17.6	-0.99	+ 5.8	1.6/24.3	28615	2120 T-1	97 01 28.0	08 42.64	+17 34.3	17.3	-1.03	+ 5.2	0.2/28.2	28880
2256 T-2	97 01 25.4	08 31.70	+18 39.0	16.3	-0.86	+ 3.4	0.1/25.5	26193	1995 SU	97 01 28.1	08 42.87	+19 49.0	16.6	-1.15	+ 1.9	0.7/27.8	28857
1990 DD ₂	97 01 25.4	08 31.90	+14 21.5	17.3	-1.06	+ 4.6	1.8/26.4	23684	(6773)	97 01 28.2	08 43.29	+12 36.8	16.6	-0.81	+ 6.1	1.7/29.6	26385
5585 P-L	97 01 25.5	08 32.11	+21 23.1	19.4	-0.92	+ 3.1	0.8/25.0	26415	1981 ED ₄₂	97 01 28.2	08 43.29	+13 51.7	19.8	-0.82	+ 4.1	1.3/29.2	26922
1981 EZ ₁₆	97 01 25.6	08 32.47	+28 14.1	18.4	-1.14	+ 0.5	3.8/24.1	26918	2672 T-3	97 01 28.2	08 43.56	+01 26.9	18.4	-0.72	+ 3.3	3.9/01.1	24915
(6742)	97 01 25.6	08 32.75	+22 16.6	16.4	-1.09	+ 6.0	1.3/24.9	26162	1995 NB	97 01 28.4	08 44.33	+20 57.1	17.8	-0.94	+ 4.7	0.9/27.9	28889
1981 EW ₃₇	97 01 25.9	08 33.68	+18 33.9	19.8	-1.03	+ 2.1	0.1/26.0	26922	1981 EK ₇	97 01 28.5	08 44.52	+11 54.7	18.1	-0.78	+ 3.0	1.6/29.9	24238
1995 QC ₃	97 01 25.9	08 33.80	+23 11.2	19.5	-1.07	+ 2.7	1.3/25.1	26192	1990 HL ₁	97 01 28.5	08 44.83	-18 15.6	18.1	-1.10	- 2.4	14.0/02.4	26579
1995 UD ₂	97 01 26.0	08 34.00	+05 28.9	17.6	-0.95	+ 2.8	4.4/28.6	28889	1997 AD ₁₃	97 01 28.6	08 44.90	+29 34.5	16.4	-1.06	+ 8.8	4.4/25.6	28880
1993 DT ₁	97 01 26.0	08 34.37	+13 55.5	19.4	-0.97	+ 3.8	1.6/27.0	26580	1989 CO ₅	97 01 28.6	08 45.19	+16 53.1	17.2	-0.96	+ 4.7	0.4/28.9	28613
(7403)	97 01 26.1	08 34.42	+23 15.0	16.3	-0.88	+ 9.0	2.0/24.9	28827	1981 EF ₂₄	97 01 28.6	08 45.21	+25 13.4	18.7	-0.84	+ 2.8	1.8/27.1	26919
1990 TP ₇	97 01 26.2	08 35.06	+20 43.7	17.2	-0.90	+ 3.0	0.7/25.8	27728	1996 YK ₂	97 01 28.8	08 45.96	+31 56.8	15.5	-1.18	+ 1.2	6.7/26.2	28877
1991 RN ₂₇	97 01 26.2	08 35.30	+32 39.0	16.1	-1.24	- 1.3	5.4/24.2	23782	1991 RB ₁₉	97 01 28.9	08 46.25	+26 05.3	17.4	-1.15	+ 0.3	3.0/27.6	28316
1978 UJ ₅	97 01 26.5	08 36.26	+18 27.0	17.7	-1.12	+ 3.1	0.1/26.6	20806	2395 T-3	97 01 28.9	08 46.42	+16 11.5	17.9	-0.82	+ 2.6	0.5/29.4	24757
5162 T-2	97 01 26.5	08 36.46	+20 54.3	16.5	-0.90	+ 1.2	0.7/26.2	27732	1994 PA ₁₀	97 01 29.0	08 46.60	+12 58.0	19.0	-0.85	+ 5.1	1.5/30.2	24748
2702 P-L	97 01 26.6	08 36.50	+20 21.3	17.4	-0.86	+ 3.2	0.6/26.2	22971	1995 SO ₂₉	97 01 29.0	08 46.86	+17 23.1	17.3	-0.84	+ 3.8	0.2/29.2	26192
1988 CG ₇	97 01 26.6	08 36.62	+04 42.0	17.6	-0.90	+ 3.2	5.0/29.5	23513	1991 OW	97 01 29.1	08 47.19	+13 15.2	17.7	-1.13	+ 2.2	1.8/30.0	28886

1995 SX ₃	97 01 29.1	08 47.25	+10 16.9	17.5	-1.08	+ 4.2	2.7/30.7	27937	1995 ST	97 01 31.8	08 58.01	+23 29.8	16.8	-1.20	+ 1.6	2.6/30.6	28857
1994 PG ₂₇	97 01 29.2	08 47.56	+17 47.4	15.6	-0.86	+ 4.0	0.0/29.3	26905	1985 UK ₃	97 01 31.8	08 58.15	+24 52.7	16.9	-1.15	+ 4.5	2.8/30.2	18285
7603 P-L	97 01 29.3	08 47.68	+38 01.0	18.1	-1.13	+ 2.3	6.0/25.1	26192	1990 VZ ₄	97 01 31.8	08 58.21	+04 57.2	17.8	-0.80	+ 4.7	3.6/03.8	18434
1990 SO ₇	97 01 29.3	08 47.99	+13 04.9	19.3	-0.86	+ 5.3	1.5/30.5	24738	1988 RS ₃	97 01 31.8	08 58.39	+15 24.2	18.4	-1.05	+ 5.2	0.6/01.3	28841
1991 RD ₄	97 01 29.3	08 48.09	+10 54.6	18.3	-1.01	+ 4.1	2.4/30.8	27325	(6766)	97 01 31.9	08 58.29	+16 53.1	17.9	-0.97	+ 3.0	8.2/21.0	26383
1981 DC ₁	97 01 29.4	08 48.13	-00 15.8	19.5	-0.92	+ 3.7	6.1/02.3	26914	1981 EY ₄₅	97 01 31.9	08 58.48	+17 44.3	16.8	-0.89	+ 2.3	7.9/21.0	22271
1986 PX	97 01 29.5	08 48.72	+13 23.4	18.3	-1.15	+ 5.2	1.8/30.5	28612	1995 SB ₂₇	97 02 01.0	08 58.72	+20 47.9	18.2	-1.13	+ 4.2	1.4/31.2	28889
1989 SC ₄	97 01 29.5	08 48.84	-10 10.0	17.6	-0.74	+ 5.3	8.5/06.0	26739	1991 GM ₁₀	97 02 01.0	08 58.77	+19 47.8	17.6	-0.64	+ 3.1	0.5/31.4	28845
1995 SX ₅₁	97 01 29.8	08 49.80	+30 10.8	20.6	-0.96	+ 2.3	3.7/27.2	26405	1978 VC ₆	97 02 01.0	08 59.00	+03 56.2	19.5	-0.89	+ 3.1	3.6/04.0	26187
1995 SE ₄	97 01 29.9	08 50.13	+02 41.2	16.9	-0.99	+ 0.4	5.2/01.7	27731	(7374)	97 02 01.0	08 59.06	+20 02.2	16.1	-0.95	+ 0.4	1.5/31.5	28820
1995 UF ₆	97 01 29.9	08 50.25	+36 04.0	17.7	-1.07	+ 3.8	5.4/25.7	26570	(7189)	97 02 01.0	08 59.09	+13 45.2	16.7	-1.08	+ 6.0	1.3/01.8	27902
1995 PG	97 01 29.9	08 50.27	+28 55.5	18.2	-1.28	- 3.6	4.8/28.4	28889	2506 P-L	97 02 01.3	09 00.36	+32 20.0	19.2	-1.07	+ 2.2	4.5/29.1	22086
1978 UF ₆	97 01 29.9	08 50.34	+26 42.7	17.3	-1.20	+ 3.0	3.4/28.1	28882	1993 LD ₁	97 02 01.4	09 00.69	+23 56.4	19.3	-0.92	+ 1.4	1.9/31.0	28888
1991 VN	97 01 30.0	08 50.63	+16 20.8	19.0	-0.98	+ 4.5	0.4/30.3	28886	1994 GN	97 02 01.5	09 01.21	+25 08.8	16.3	-1.13	+ 5.7	3.1/30.7	28852
1978 NC	97 01 30.0	08 50.87	+28 21.3	17.9	-1.02	+10.5	3.2/27.1	26187	1978 VH ₁₁	97 02 01.6	09 01.27	+23 23.1	18.2	-0.97	+ 4.6	2.2/31.1	28882
1084 T-2	97 01 30.0	08 50.96	+15 41.1	20.8	-1.03	+ 4.1	0.6/30.5	25970	1990 EL ₈	97 02 01.7	09 01.75	+21 40.2	16.5	-1.10	+ 3.1	1.8/31.7	26168
1995 SN ₂₉	97 01 30.1	08 51.20	+17 03.2	16.7	-0.83	+ 3.8	0.2/30.3	26422	1993 FO ₄	97 02 01.8	09 02.15	+03 24.4	16.3	-0.82	+ 8.7	5.5/05.7	23521
3270 T-2	97 01 30.2	08 51.72	+23 10.8	16.5	-1.02	+ 5.3	2.5/29.0	28881	1993 AA	97 02 01.9	09 02.62	+09 47.3	16.8	-1.04	+ 4.4	2.6/03.6	25538
1979 OZ ₉	97 01 30.2	08 51.81	+12 20.1	21.0	-1.10	+ 5.8	2.0/31.4	27553	1995 OA	97 02 01.9	09 02.70	+09 35.2	17.1	-1.08	+ 2.0	3.1/03.4	28592
1995 WO ₁₅	97 01 30.2	08 51.83	+21 24.5	17.6	-0.95	+ 3.6	1.3/29.5	27919	1991 RZ ₁	97 02 02.0	09 02.91	-12 02.5	16.7	-0.95	+ 7.9	10.5/09.9	26420
2655 P-L	97 01 30.3	08 52.05	+36 10.1	19.7	-1.02	+ 1.2	5.5/26.6	25969	1989 OM	97 02 02.1	09 03.53	+40 15.0	19.1	-1.03	+ 2.3	5.7/27.6	24240
1995 SP ₁	97 01 30.4	08 52.48	+20 32.4	16.5	-1.21	- 5.1	1.1/30.1	28857	3092 P-L	97 02 02.2	09 03.97	+13 08.8	19.5	-0.94	+ 2.4	1.1/03.0	17974
1988 RV ₁₁	97 01 30.5	08 52.56	+14 39.5	18.4	-1.08	+ 5.4	1.1/31.1	28842	1986 WO ₉	97 02 02.2	09 03.99	+12 05.6	16.1	-0.89	+ 4.4	1.6/03.4	28612
1989 VM ₁	97 01 30.5	08 52.70	+15 29.7	19.6	-1.09	+ 7.4	0.8/31.0	28843	(6717)	97 02 02.3	09 04.08	+07 33.7	17.9	-0.84	+ 3.5	2.5/04.5	26156
1981 EK ₄₂	97 01 30.6	08 53.15	+10 18.9	18.7	-0.81	+ 4.1	2.5/01.3	26922	1989 YK	97 02 02.3	09 04.43	+12 00.8	16.0	-1.08	+ 5.0	2.0/03.5	22081
4543 P-L	97 01 30.6	08 53.31	+21 18.3	18.6	-1.17	+ 4.2	1.4/29.9	28880	1989 RW	97 02 02.5	09 05.07	+02 08.6	16.9	-0.83	+ 3.8	4.5/06.0	24118
1989 SZ ₄	97 01 30.6	08 53.47	+24 32.6	16.8	-1.15	+ 5.0	3.2/29.2	28843	6035 P-L	97 02 02.6	09 05.23	+29 32.9	18.4	-1.06	+ 2.1	3.9/30.8	22495
1988 RE ₆	97 01 30.8	08 53.98	+20 17.2	16.1	-1.07	+ 4.9	1.3/30.2	28883	(7338)	97 02 02.6	09 05.25	+05 54.0	16.0	-0.87	+ 1.9	3.5/05.0	28572
1993 FZ ₄₆	97 01 30.8	08 54.23	+22 48.6	18.4	-1.00	+ 2.8	2.1/29.8	28887	1981 EZ ₃₇	97 02 02.6	09 05.34	+07 28.0	19.4	-0.78	+ 4.6	2.8/04.9	22271
1988 VT ₂	97 01 30.9	08 54.24	+15 47.5	16.6	-1.06	+ 3.8	0.6/31.3	28842	(7143)	97 02 02.6	09 05.54	-04 15.7	16.9	-0.76	+ 3.8	5.7/08.0	27706
1982 QY ₁	97 01 30.9	08 54.26	+06 51.7	16.2	-0.94	+ 3.0	3.6/02.2	19497	1992 EA ₂₂	97 02 02.6	09 05.58	+13 47.2	16.7	-0.79	+ 7.0	0.9/03.4	28847
1994 RM ₁	97 01 31.0	08 54.73	-04 12.3	16.8	-0.72	+ 3.9	5.7/05.4	28888	1988 RV ₁₀	97 02 02.6	09 05.65	+15 30.2	16.9	-0.81	+ 4.4	0.4/03.0	28884
1995 SK ₅₃	97 01 31.0	08 54.83	+33 07.5	17.7	-0.99	+ 2.8	4.6/27.6	26760	1981 EH ₂₇	97 02 02.7	09 05.64	+35 10.8	17.6	-1.26	- 0.7	7.5/30.1	26920
1994 EG ₆	97 01 31.0	08 54.88	+19 39.1	17.4	-1.08	+ 6.5	0.8/30.5	25643	1991 PT ₁₄	97 02 02.9	09 06.47	+15 54.3	17.0	-1.01	+ 5.9	0.3/03.1	28886
2579 P-L	97 01 31.0	08 54.97	+31 02.3	17.7	-1.23	+ 3.9	5.3/28.1	18130	1983 AA	97 02 02.9	09 06.79	-05 23.3	15.4	-1.61	-19.3	12.2/02.6	21969
1994 PW ₁₇	97 01 31.0	08 55.10	+17 16.5	19.0	-0.80	+ 3.4	0.0/31.1	25651	1995 SN ₃	97 02 03.0	09 06.91	+19 40.0	17.9	-1.13	+ 3.3	1.1/02.4	28857
9509 P-L	97 01 31.1	08 55.31	+04 19.3	19.9	-0.85	+ 4.8	3.7/03.2	16036	1981 EG ₃₉	97 02 03.0	09 07.14	+20 51.3	18.9	-0.84	+ 2.7	1.2/02.1	27726
1992 UY ₃	97 01 31.1	08 55.47	+25 52.2	17.4	-1.17	+ 4.0	3.1/29.4	27936	1981 WF ₉	97 02 03.2	09 07.75	+06 37.2	18.0	-1.00	+ 5.2	3.6/05.6	27726
1981 EA ₁₀	97 01 31.2	08 55.57	+33 23.6	18.3	-1.07	- 0.5	5.1/28.2	26916	1990 VQ ₆	97 02 03.3	09 08.07	+20 43.3	17.4	-0.83	+ 6.3	1.3/02.2	26757
1991 PT ₁₀	97 01 31.2	08 55.73	+14 57.4	19.5	-1.00	+ 3.4	0.8/01.0	28886	1993 LG ₂	97 02 03.3	09 08.16	+07 46.1	17.6	-0.75	+ 3.9	2.3/05.5	28317
1989 UV ₁	97 01 31.3	08 55.98	+18 18.6	18.5	-0.81	+ 3.3	0.3/31.1	25973	(6866)	97 02 03.3	09 08.33	+22 41.5	16.3	-0.83	+ 6.4	1.9/01.7	26733
1992 UY ₂	97 01 31.3	08 56.28	+08 30.9	16.1	-1.02	+ 5.1	3.7/02.4	28849	1994 LD ₁	97 02 03.4	09 08.46	+35 01.7	21.6	-0.93	+ 2.1	4.1/30.0	24409
4521 P-L	97 01 31.3	08 56.28	+17 59.9	17.1	-0.89	+ 3.3	0.2/31.2	23686	1988 SP	97 02 03.4	09 08.62	+19 04.6	16.3	-1.07	+ 5.1	1.1/02.8	28884
1981 EV ₃₄	97 01 31.4	08 56.60	+15 40.9	18.6	-0.94	+ 4.5	0.5/31.8	28882	1991 RD ₇	97 02 03.4	09 08.71	+37 33.2	17.6	-1.25	+ 0.5	7.0/30.2	28615
1980 PW	97 01 31.4	08 56.62	+17 13.7	17.7	-1.08	+ 3.0	0.0/31.5	28882	1976 UB ₁₆	97 02 03.5	09 08.97	+34 34.4	19.3	-1.02	+ 3.2	5.2/30.2	26556
2041 P-L	97 01 31.5	08 56.68	+36 07.8	18.6	-1.19	+ 0.7	6.3/27.7	22432	2547 P-L	97 02 03.5	09 09.14	+19 27.8	19.3	-0.79	+ 3.6	0.8/02.8	22700
1993 LR ₁	97 01 31.6	08 57.26	+11 25.5	16.3	-1.06	- 1.9	2.4/01.5	28851	1985 UG ₅	97 02 03.5	09 09.15	+31 40.4	17.1	-1.13	+ 6.4	6.5/30.7	22077
1981 EZ ₄	97 01 31.6	08 57.42	+17 44.8	18.7	-1.07	+ 0.7	0.2/31.6	26915	1994 SH ₃	97 02 03.5	09 09.32	+14 43.2	19.3	-0.74	+ 3.4	0.4/04.0	28854
(6747)	97 01 31.7	08 57.72	+22 34.4	17.7	-0.90	+ 3.1	1.6/30.6	26163	1981 QE ₂	97 02 03.7	09 09.96	+12 49.6	18.2	-1.00	+ 6.7	1.2/04.6	22430
1995 UG ₈	97 01 31.7	08 57.94	+17 20.8	17.0	-0.89	+ 3.4	7.6/12.0	28859	1988 PO ₂	97 02 03.8	09 10.24	+14 05.6	18.3	-1.02	+ 6.5	0.8/04.4	28315
7082 P-L	97 01 31.8	08 57.90	-20 16.5	18.1	-1.04	+ 9.4	16.4/13.7	22087	2594 P-L	97 02 03.8	09 10.51	+15 21.3	18.0	-0.85	+ 4.5	0.3/04.1	28891

1991 RW ₁₉	97 02 03.9	09 10.57	+12 40.4	18.2	-1.02	+	4.2	1.2/04.7	25974
1992 ER ₂₈	97 02 03.9	09 10.81	+17 51.4	19.6	-0.80	+	4.0	0.4/03.6	27913
1992 BF ₄	97 02 04.0	09 10.92	+20 03.3	17.7	-0.91	+	3.9	1.3/03.1	28846
1995 WC ₄	97 02 04.0	09 10.99	+35 43.9	17.5	-0.90	+	3.9	4.9/30.0	28861
1995 SL ₂	97 02 04.0	09 11.05	+06 42.6	16.2	-0.87	+	8.9	3.4/06.8	26404
1988 VR ₃	97 02 04.0	09 11.23	+13 24.7	16.7	-1.02	+	5.3	1.0/04.7	25648
1980 FV ₂	97 02 04.0	09 11.36	+29 03.7	18.0	-1.06	+	2.0	3.8/01.3	21965
1990 RD	97 02 04.1	09 11.73	+08 20.6	17.2	-0.85	+	5.7	2.4/06.2	25956
1993 OD	97 02 04.2	09 11.73	+03 28.5	14.8	-1.81	-10.3		7.0/05.1	24763
1981 EW ₃₉	97 02 04.2	09 11.91	+27 19.5	20.3	-0.92	+	2.0	3.2/01.7	21967
5184 T-2	97 02 04.3	09 12.29	+01 54.9	18.9	-0.80	+	3.5	4.4/07.9	27928
1995 QA ₃	97 02 04.3	09 12.39	+21 42.1	16.8	-1.16	+	2.2	2.1/03.2	26176
(6775)	97 02 04.3	09 12.52	+13 50.2	16.3	-0.87	+	7.7	0.7/05.0	26385
1985 RP	97 02 04.4	09 12.96	+08 45.0	17.2	-1.02	+	8.5	3.0/06.5	21970
1980 RL ₂	97 02 04.5	09 13.04	+15 52.7	17.8	-1.02	+	4.1	0.1/04.6	21966
1987 SG ₂	97 02 04.5	09 13.28	+09 40.6	16.1	-0.89	+	7.6	2.6/06.3	25339
1980 PV ₁	97 02 04.6	09 13.41	+10 38.7	16.2	-0.95	+	2.1	1.8/05.8	28314
1987 RQ ₂	97 02 04.6	09 13.42	+20 43.3	18.5	-1.01	+	4.5	1.5/03.5	25648
(6748)	97 02 04.6	09 13.64	+21 30.3	16.5	-1.02	+	5.3	1.9/03.3	26163
1992 DM ₆	97 02 05.0	09 15.09	+17 04.4	16.3	-0.80	+	4.0	0.3/04.8	28886
4221 T-2	97 02 05.0	09 15.30	+17 21.8	16.0	-0.84	+	4.5	0.5/04.7	26186
1995 VR ₁₂	97 02 05.1	09 15.46	+15 50.7	19.9	-0.86	+	4.8	0.0/05.1	28860
1988 RF ₄	97 02 05.1	09 15.54	+19 23.2	17.9	-1.12	+	3.5	1.2/04.4	28841
1992 CU	97 02 05.2	09 15.75	+28 25.6	15.7	-0.89	+	6.1	4.3/01.7	28886
3109 T-1	97 02 05.2	09 15.93	+11 21.8	19.1	-1.00	+	4.1	1.6/06.3	24115
1981 EQ ₃	97 02 05.2	09 16.13	+14 18.1	19.2	-0.83	+	1.5	0.4/05.6	26915
1982 UD ₆	97 02 05.2	09 16.14	+15 07.3	16.8	-1.13	+	3.5	0.3/05.4	28839
1997 AU ₆	97 02 05.2	09 16.18	+16 58.3	16.2	-0.87	+	4.9	0.4/05.0	28879
1987 DP ₆	97 02 05.3	09 16.55	+14 31.2	16.9	-0.82	+	6.2	0.5/05.7	22078
(6733)	97 02 05.4	09 16.80	+05 12.9	15.9	-0.86	+	1.7	3.4/07.8	26160
1991 TE ₅	97 02 05.5	09 17.14	+35 53.9	16.5	-1.19	+	1.8	6.7/31.9	26420
1995 VT ₁	97 02 05.6	09 17.34	+02 52.5	16.4	-0.79	+	3.0	3.7/08.8	26407
1991 UL ₄	97 02 05.6	09 17.43	+22 47.4	18.0	-0.99	+	5.0	2.5/03.9	20028
6626 P-L	97 02 05.6	09 17.48	+19 09.7	17.6	-1.10	+	4.0	1.4/04.9	28892
1981 EG ₃₁	97 02 05.7	09 17.86	+16 49.4	20.0	-0.97	+	3.4	0.3/05.5	26921
1995 QE ₃	97 02 05.8	09 18.42	+16 01.9	18.2	-1.03	+	4.2	0.1/05.8	26582
1993 CK ₁	97 02 05.9	09 18.68	+30 32.8	16.5	-1.09	+	3.2	5.9/02.3	26421
1992 UP ₈	97 02 06.0	09 19.10	+14 22.0	16.7	-1.10	+	4.0	0.6/06.3	28849
1978 QU ₂	97 02 06.0	09 19.28	+16 56.6	17.5	-0.82	+	4.3	0.4/05.7	28881
1993 FO ₃₆	97 02 06.1	09 19.41	+05 59.8	17.5	-0.82	+	5.6	2.9/08.7	27936
1990 TO ₃	97 02 06.1	09 19.59	+13 39.2	17.3	-0.87	+	4.1	0.6/06.6	28885
1995 WV ₄₂	97 02 06.3	09 20.40	+25 18.1	17.3	-0.80	+	5.7	2.4/03.7	28890
1981 EB ₂₇	97 02 06.5	09 21.25	+13 11.2	18.3	-0.92	+	6.0	0.9/07.2	26395
1987 SC ₁	97 02 06.6	09 21.73	+15 09.7	16.9	-0.97	+	6.9	0.1/06.8	28883
1995 SP ₃	97 02 06.6	09 21.77	+07 02.4	18.0	-1.07	+	4.2	3.0/08.6	27937
1986 VX ₅	97 02 06.7	09 21.86	+19 12.6	16.9	-0.90	+	5.7	1.2/05.7	28840
1992 RM	97 02 06.8	09 22.28	+18 40.7	17.5	-1.15	+	4.5	1.2/06.1	27729
1992 YJ ₂	97 02 06.8	09 22.35	+24 49.8	17.2	-1.05	+	6.6	3.5/04.4	25975
1324 T-2	97 02 06.8	09 22.58	+22 54.2	17.3	-1.10	+	4.1	2.8/05.1	27732
1995 OF ₁	97 02 07.0	09 22.98	+16 54.4	17.7	-1.08	+	3.7	0.7/06.7	28855
1993 FT ₃₃	97 02 07.0	09 23.22	+22 19.7	17.2	-0.92	+	4.1	2.2/05.3	26421

1990 WB ₄	97 02 07.0	09 23.35	+03 19.1	15.9	-0.87	+	1.7	4.1/09.8	26420
1995 WE ₁	97 02 07.0	09 23.40	+22 02.9	17.7	-0.85	+	4.2	2.0/05.3	28860
1964 VZ ₂	97 02 07.1	09 23.57	+19 43.5	16.2	-0.89	+	4.4	1.7/06.0	23967
(7208)	97 02 07.1	09 23.66	+17 35.7	16.1	-1.10	+	6.3	1.0/06.6	27906
1978 VN ₉	97 02 07.2	09 23.74	+19 28.4	18.3	-0.93	+	5.1	1.4/06.1	26755
1981 EJ ₄	97 02 07.2	09 23.96	+00 33.5	18.6	-0.77	+	4.1	4.3/11.1	26915
5124 T-3	97 02 07.3	09 24.34	+22 52.6	16.5	-1.00	+	8.0	3.2/05.2	28881
1981 SZ ₆	97 02 07.4	09 24.54	+18 34.4	17.4	-1.08	+	5.3	1.3/06.6	28882
1981 EQ ₃₈	97 02 07.4	09 24.61	-01 51.4	20.0	-0.84	+	8.3	6.7/12.4	26922
1990 QR	97 02 07.4	09 24.77	+04 59.4	16.7	-0.85	+	7.2	3.1/10.3	26189
1988 RV ₁	97 02 07.4	09 25.00	+22 16.1	17.4	-1.11	+	3.1	3.1/05.9	22401
1993 FN ₂₀	97 02 07.6	09 25.78	+13 09.6	17.0	-0.92	+	3.9	0.7/08.2	26173
1995 SW ₅₂	97 02 07.8	09 26.56	+07 33.6	17.1	-1.03	+	4.4	2.6/09.7	25967
1987 WO ₁	97 02 07.9	09 26.64	+03 50.4	16.5	-0.92	+	4.1	4.0/10.7	26419
3109 T-3	97 02 07.9	09 26.76	+15 19.7	17.5	-0.81	+	3.8	0.1/07.9	25443
1981 QQ ₂	97 02 07.9	09 26.82	+14 54.7	18.0	-1.01	+	7.1	0.0/08.0	22430
1981 WH	97 02 08.0	09 26.95	+15 25.4	16.6	-1.05	+	7.5	0.2/07.9	21968
1992 SS ₁₆	97 02 08.0	09 27.16	+13 56.7	18.4	-1.10	+	5.4	0.4/08.3	25730
1978 VE ₁₀	97 02 08.0	09 27.16	+17 33.2	19.3	-0.77	+	3.7	0.6/07.4	26578
1981 UM ₁₁	97 02 08.0	09 27.28	+11 37.8	17.6	-1.02	+	5.8	1.2/08.9	25734
1981 EW ₅	97 02 08.0	09 27.40	-06 24.8	17.5	-0.91	+	4.8	7.8/14.0	26915
1995 PK	97 02 08.2	09 27.87	+16 05.5	17.2	-1.05	+	7.4	0.4/07.9	26192
1981 EQ ₃₀	97 02 08.2	09 28.06	+28 31.8	19.3	-1.05	+	2.4	3.9/05.1	27304
(6796)	97 02 08.3	09 28.13	+07 43.0	16.9	-0.86	+	4.8	2.3/10.2	26390
1991 QF	97 02 08.3	09 28.13	+41 24.1	18.9	-1.25	+	2.8	8.3/01.9	23339
1991 VO ₇	97 02 08.3	09 28.30	+15 26.4	18.6	-0.91	+	5.5	0.2/08.2	26171
1993 FS ₂₇	97 02 08.3	09 28.38	+05 49.8	17.5	-0.86	+	4.8	2.9/10.7	26743
4096 T-2	97 02 08.4	09 28.59	+07 23.5	19.2	-0.76	+	5.8	2.1/10.5	23867
1251 T-1	97 02 08.4	09 28.73	+22 20.0	16.9	-0.92	+	2.0	2.2/06.7	28892
(6692)	97 02 08.4	09 28.78	+07 29.4	16.0	-0.84	+	8.0	3.3/10.6	26150
1987 QF ₃	97 02 08.4	09 28.89	+15 33.5	17.3	-0.96	+	6.6	0.2/08.3	25537
(6688)	97 02 08.4	09 28.90	+08 04.1	17.2	-0.80	+	4.4	2.0/10.3	26149
(6683)	97 02 08.5	09 29.09	+37 51.2	15.6	-1.02	+	2.2	7.5/02.6	26148
1993 CP ₁	97 02 08.5	09 29.24	+05 44.8	16.2	-0.86	+	9.2	3.3/11.0	24119
4886 T-1	97 02 08.6	09 29.55	+25 11.9	17.9	-1.07	+	4.0	3.5/06.1	26423
1993 PZ ₂	97 02 08.6	09 29.56	+08 31.7	18.6	-0.60	+	3.0	1.2/10.4	27936
1981 EO	97 02 08.6	09 29.65	+31 25.7	17.5	-1.27	+	0.1	6.1/05.1	27302
1994 PE ₁₀	97 02 08.6	09 29.73	+14 43.8	15.3	-0.80	+	4.7	0.0/08.7	25218
1981 EN ₂	97 02 08.7	09 29.73	+01 26.2	18.8	-0.83	+	2.3	4.6/12.0	22429
1995 UA ₇	97 02 08.7	09 29.91	+20 48.2	16.8	-1.05	+	6.2	2.0/07.2	26760
1980 TK ₆	97 02 08.9	09 30.77	+03 46.1	16.9	-0.96	+	5.0	4.0/11.8	21966
1995 UH ₄	97 02 08.9	09 30.98	+10 39.3	16.8	-0.90	+	1.5	1.3/09.9	26570
(6741)	97 02 09.0	09 31.17	+10 49.1	16.9	-1.00	+	6.7	1.3/10.1	26162
1222 T-1	97 02 09.0	09 31.24	+23 21.5	18.1	-1.11	+	2.1	2.8/07.1	26423
1995 WB ₇	97 02 09.1	09 31.46	+08 49.4	16.0	-0.92	+	1.4	1.7/10.5	28890
1981 EB ₂₁	97 02 09.2	09 31.99	+13 12.0	18.3	-0.85	+	3.3	0.5/09.6	21967
4529 P-L	97 02 09.2	09 32.00	+18 54.7	19.5	-0.81	+	3.1	1.1/08.2	22694
1981 EG ₄₆	97 02 09.4	09 32.52	+17 54.7	18.4	-1.06	+	2.9	1.3/08.6	26923
1981 EZ ₂₂	97 02 09.4	09 32.78	+16 58.1	18.3	-1.11	+	4.6	0.9/08.9	25734
(6716)	97 02 09.4	09 32.80	+11 47.8	16.4	-0.85	+	5.8	0.9/10.2	26156
1991 RA ₁	97 02 09.5	09 33.33	+15 28.8	17.6	-1.08	+	1.3	0.3/09.4	25974

1993 DM	97 02 09.5	09 33.34	+09 19.3	16.5	-0.97	+ 3.2	2.0/10.8	26172
1341 T-2	97 02 09.6	09 33.67	+17 33.7	18.2	-0.96	+ 3.7	1.1/08.9	26185
1981 EQ ₂₃	97 02 09.7	09 33.76	+09 36.6	18.5	-0.77	+ 5.1	1.4/11.0	24226
1931 TD ₃	97 02 09.8	09 34.23	+28 01.0	17.3	-1.11	+ 4.5	4.2/06.4	26393
1990 TA ₁₃	97 02 09.8	09 34.44	+31 07.2	16.7	-0.95	+ 3.2	5.4/05.5	26579
1995 UP ₂	97 02 10.0	09 34.92	+30 13.1	17.0	-0.97	+ 2.4	5.2/06.0	28859
1984 YN ₁	97 02 10.0	09 34.98	+19 15.0	17.3	-1.05	+ 4.3	1.8/08.8	25973
1987 XC	97 02 10.0	09 35.04	+39 11.4	18.3	-1.12	+ 4.0	7.2/03.3	28315
1993 ES	97 02 10.0	09 35.33	+28 02.5	16.5	-1.13	+ 1.7	5.0/06.8	26190
1996 AO ₃	97 02 10.1	09 35.50	+08 02.9	16.2	-0.66	+ 2.7	1.4/11.8	26907
1993 FB ₄₇	97 02 10.1	09 35.60	+17 34.6	18.3	-0.94	+ 4.0	1.1/09.3	26402
1194 T-3	97 02 10.2	09 35.96	+12 31.8	17.8	-1.07	+ 3.0	0.6/10.7	21978
1995 UE ₆	97 02 10.2	09 36.04	+15 31.3	16.9	-0.83	+ 5.2	0.4/09.9	26760
1981 EL ₁₆	97 02 10.3	09 36.21	+17 11.1	18.5	-1.17	+ 2.8	1.1/09.7	26918
1990 SY ₂	97 02 10.3	09 36.27	+17 13.5	16.3	-0.87	+ 5.1	1.0/09.5	28885
1992 EE ₇	97 02 10.4	09 36.73	+17 35.3	17.0	-0.78	+ 6.8	0.9/09.5	28847
(6776)	97 02 10.4	09 36.85	+22 37.6	16.3	-0.94	+ 5.6	3.6/08.2	26386
(6751)	97 02 10.4	09 36.92	+07 30.6	17.5	-0.95	+ 5.3	2.2/12.2	26164
1992 SR ₁	97 02 10.5	09 37.21	+07 44.7	16.2	-1.10	+ 2.2	2.9/12.0	25538
1992 UM ₆	97 02 10.6	09 37.35	+11 45.9	15.8	-1.08	+ 3.0	1.1/11.2	22273
1986 TR	97 02 10.6	09 37.53	+00 18.5	18.5	-0.86	+ 3.6	3.7/14.3	27119
1101 T-1	97 02 10.7	09 37.85	+09 51.1	17.2	-0.93	+ 3.5	1.6/11.8	23533
5174 T-3	97 02 10.8	09 38.11	+30 13.9	16.8	-0.86	+ 5.6	4.5/06.0	26583
1992 YS	97 02 10.9	09 38.83	+17 37.6	17.2	-1.03	+ 6.8	1.3/10.0	25641
1994 LK ₁	97 02 11.0	09 38.95	+19 30.2	15.9	-0.90	+ 9.2	1.7/09.4	28853
1992 WC ₁	97 02 11.1	09 39.31	+07 13.1	17.8	-1.06	+ 4.4	2.4/12.8	27914
1995 WA	97 02 11.1	09 39.56	-08 39.5	17.3	-0.87	+ 3.9	7.1/17.3	26582
1981 JO	97 02 11.1	09 39.67	+03 35.6	17.6	-1.02	+ 5.2	3.6/13.8	26418
1992 WY ₁	97 02 11.1	09 39.69	+18 00.1	16.2	-1.08	+ 3.6	1.7/10.2	28887
1995 YA	97 02 11.2	09 39.96	+24 44.0	16.3	-0.86	+ 4.9	3.3/08.2	26413
1986 QZ ₂	97 02 11.3	09 40.48	+26 24.7	16.8	-1.09	+ 2.9	4.3/08.3	28883
1992 UX ₅	97 02 11.4	09 40.65	+10 47.7	15.6	-0.95	+ 8.3	1.4/12.3	28887
1977 QK ₁	97 02 11.4	09 40.65	+15 08.4	17.3	-1.06	+ 4.6	0.4/11.1	27725
1995 TF	97 02 11.5	09 41.09	+33 12.4	18.1	-1.16	+ 1.3	6.4/07.0	28858
1981 EQ ₂₉	97 02 11.6	09 41.27	+07 47.0	17.6	-0.78	+ 3.8	1.7/13.2	26395
(6746)	97 02 11.6	09 41.31	-04 43.5	17.1	-0.92	+ 2.6	5.8/16.2	26163
1981 DS ₁	97 02 11.6	09 41.33	+06 44.7	17.9	-1.00	+ 2.2	2.5/13.3	24580
1992 WC ₃	97 02 11.6	09 41.45	+22 16.5	17.0	-1.08	+ 6.1	3.0/09.4	27730
1990 GN	97 02 11.6	09 41.65	+15 53.3	16.7	-1.01	+ 4.0	1.0/11.2	18120
1991 RM ₁₅	97 02 11.7	09 41.63	+13 01.8	18.3	-1.00	+ 4.4	0.3/11.9	22084
1995 UC	97 02 11.7	09 41.75	+33 40.1	18.9	-1.15	+ 0.8	6.9/07.1	26422
4304 T-3	97 02 11.8	09 42.10	+16 55.9	17.4	-0.88	+ 6.1	1.1/10.9	23534
2806 P-L	97 02 11.8	09 42.35	+23 09.2	21.0	-1.06	+ 3.4	3.1/09.6	25969
1981 EP ₂₃	97 02 12.0	09 42.82	+28 20.0	19.3	-1.03	+ 0.6	4.6/08.5	26919
9508 P-L	97 02 12.1	09 43.23	+16 28.3	16.3	-0.81	+ 4.7	0.9/11.3	28892
1993 FZ ₅₇	97 02 12.1	09 43.56	+10 15.9	18.2	-0.89	+ 4.8	1.1/13.1	27916
1058 T-2	97 02 12.2	09 43.66	+06 08.4	17.4	-0.79	+ 4.9	2.5/14.3	26761
2164 T-3	97 02 12.2	09 43.97	+01 19.5	17.8	-0.85	+ 5.9	4.5/16.0	25971
1993 FS ₂₃	97 02 12.4	09 44.56	+13 58.8	18.0	-0.89	+ 3.8	0.1/12.3	25975
9511 P-L	97 02 12.5	09 44.93	+13 10.8	17.5	-0.79	+ 4.2	0.1/12.6	24764
1995 UH ₅	97 02 12.5	09 45.04	+22 40.3	17.2	-1.03	+ 4.6	3.1/10.2	26192

1985 TN	97 02 12.6	09 45.35	+21 36.9	17.4	-1.13	+ 4.1	3.2/10.7	27726
1981 EL ₃₇	97 02 12.7	09 45.75	-00 23.1	20.2	-0.73	+ 4.6	3.6/16.7	26922
1995 RA	97 02 12.7	09 45.99	-02 51.6	17.4	-1.20	- 0.7	5.6/16.1	26176
1993 FV ₁₂	97 02 12.8	09 46.22	+05 22.0	18.4	-0.85	+ 7.9	2.6/15.2	23523
(6702)	97 02 12.8	09 46.29	+09 55.4	16.6	-0.84	+ 6.6	1.1/13.9	26153
1995 UC ₆	97 02 12.9	09 46.79	+12 32.8	16.5	-1.15	+ 3.2	0.3/13.2	28889
1995 QK	97 02 13.0	09 46.73	+07 45.1	18.9	-1.01	+ 5.4	2.0/14.5	28856
1981 UU ₁₁	97 02 13.0	09 46.79	+01 57.6	16.8	-0.82	+ 6.2	3.8/16.4	25972
(6718)	97 02 13.0	09 46.95	+14 50.2	16.7	-0.85	+ 4.0	0.4/12.7	26157
1990 GE	97 02 13.1	09 47.26	+20 46.5	17.0	-1.14	+ 1.6	3.5/11.4	17963
1993 FZ ₂₀	97 02 13.1	09 47.50	+11 09.8	17.6	-0.88	+ 5.5	0.9/13.8	23524
(6685)	97 02 13.2	09 47.49	+08 46.7	17.1	-1.03	+ 6.4	1.7/14.4	26149
1981 EX ₉	97 02 13.2	09 47.59	+12 10.1	18.4	-0.85	+ 2.2	0.3/13.5	24557
1981 ED ₆	97 02 13.2	09 47.65	-03 59.5	20.3	-0.90	+ 4.8	5.4/17.9	18417
1995 SM ₂₁	97 02 13.2	09 47.69	+19 00.8	18.7	-1.13	+ 2.9	2.1/11.9	28858
1991 SE ₂	97 02 13.2	09 47.94	+11 45.2	18.3	-0.98	+ 5.7	0.5/13.7	23517
1990 DL ₃	97 02 13.2	09 47.97	+19 03.1	16.5	-1.11	+ 3.3	2.0/11.9	28614
1993 FF ₁₆	97 02 13.3	09 47.88	+22 22.9	16.9	-0.93	+ 4.6	2.9/10.8	26173
1978 VP ₁₁	97 02 13.3	09 48.15	+16 44.5	17.6	-0.77	+ 4.3	0.9/12.4	26755
(6811)	97 02 13.4	09 48.74	+10 36.1	18.6	-0.97	+ 5.1	0.8/14.2	26549
1975 TE	97 02 13.6	09 49.42	+19 33.4	17.5	-1.11	+ 4.7	2.2/12.1	22270
1987 SJ ₃	97 02 13.6	09 49.49	+52 52.1	16.6	-2.08	- 4.1	16.7/05.5	28315
1981 EO ₃₈	97 02 13.7	09 49.49	-00 17.5	19.4	-0.85	+ 7.2	4.4/17.7	26922
1995 TX	97 02 13.8	09 50.02	-06 34.4	16.5	-1.44	- 8.7	9.1/15.9	26760
4261 T-2	97 02 13.8	09 50.16	+21 24.6	17.5	-0.95	+ 4.5	2.9/11.6	24120
1994 JU	97 02 13.8	09 50.22	+03 47.1	18.2	-0.98	+ 6.2	3.5/16.0	23791
2649 P-L	97 02 13.9	09 50.35	-00 01.9	16.8	-0.82	+ 7.6	4.9/17.9	23680
1981 EP ₂₁	97 02 13.9	09 50.44	+24 15.8	19.7	-1.14	+ 2.3	3.9/11.2	26919
6703 P-L	97 02 14.0	09 50.84	+10 22.1	18.2	-0.87	+ 6.2	0.9/14.8	26754
1987 JG	97 02 14.1	09 51.07	+02 34.2	17.0	-1.01	+ 4.4	4.1/16.8	28883
5565 P-L	97 02 14.1	09 51.31	+24 10.9	17.5	-1.20	+ 4.2	4.6/11.4	24585
(6782)	97 02 14.2	09 51.48	+09 40.7	16.2	-0.89	+ 3.7	1.1/15.1	26387
1995 UJ ₄	97 02 14.2	09 51.64	+31 19.2	15.3	-0.94	+ 3.7	5.8/09.0	26180
1981 DL ₁	97 02 14.2	09 51.73	+11 54.2	18.8	-0.86	+ 1.5	0.3/14.5	28882
1981 EJ ₅	97 02 14.3	09 51.83	+07 32.8	17.8	-1.09	+ 4.2	2.0/15.6	22074
1978 QE	97 02 14.3	09 52.06	-03 23.7	16.4	-0.84	+ 1.6	4.5/18.5	26557
(7157)	97 02 14.4	09 52.24	+05 58.7	18.2	-1.04	+ 5.4	2.4/16.2	27894
1990 OF	97 02 14.4	09 52.38	-04 46.5	18.6	-0.85	+ 3.6	4.7/19.3	26579
1989 UN ₃	97 02 14.5	09 52.87	+12 34.3	17.9	-0.75	+ 4.4	0.1/14.6	26925
1990 CD	97 02 14.5	09 53.06	+06 11.9	15.5	-1.07	+ 3.1	2.7/16.0	26168
1989 YE ₆	97 02 14.6	09 52.98	-00 50.4	17.0	-1.03	+ 3.7	5.9/18.1	25956
1989 GN ₄	97 02 14.6	09 53.27	+08 08.4	17.2	-0.93	+ 4.5	1.7/15.9	23972
1978 TL ₄	97 02 14.7	09 53.44	+29 09.7	17.1	-0.89	+ 3.4	4.8/10.2	28882
1981 DR ₃	97 02 14.7	09 53.56	+03 49.9	18.6	-0.99	+ 3.0	3.1/17.0	26914
1995 UB ₃₂	97 02 14.7	09 53.63	+16 05.6	20.0	-0.93	+ 5.6	1.0/13.8	26570
2514 P-L	97 02 14.7	09 53.72	+26 07.0	20.7	-1.02	+ 2.6	4.0/11.4	22700
1995 VO ₁	97 02 14.8	09 54.20	+13 13.2	16.7	-0.82	+ 5.1	0.1/14.8	28318
1994 TH ₂	97 02 14.9	09 54.38	+15 08.5	16.8	-0.77	+ 4.5	0.6/14.3	28888
1989 WG ₄	97 02 14.9	09 54.39	+20 20.6	16.3	-1.05	+ 7.9	3.3/12.8	28884
1304 T-2	97 02 15.0	09 54.58	+11 05.7	17.6	-0.79	+ 4.3	0.5/15.5	22087
1968 OZ	97 02 15.0	09 54.84	+58 57.6	16.4	-1.35	+ 4.9	17.1/27.0	23990

1992 OZ ₉	97 02 15.0	09 54.89	+17 24.5	17.8	-0.62	+ 3.2	0.9/13.7	23674
1995 VK	97 02 15.1	09 55.29	+10 32.0	17.9	-0.94	+ 5.6	0.7/15.8	26760
1981 EL ₈	97 02 15.1	09 55.39	+19 46.5	19.1	-1.05	- 1.0	2.5/13.7	26916
1990 QE ₆	97 02 15.2	09 55.73	+27 22.1	19.0	-1.09	+ 1.2	4.2/11.7	17963
1981 ER ₄₁	97 02 15.4	09 56.35	+38 29.5	20.0	-1.18	- 0.4	7.3/08.8	26922
1981 EA ₁₅	97 02 15.5	09 56.46	+14 43.8	18.7	-0.88	+ 1.8	0.7/15.0	26917
1995 QP	97 02 15.5	09 56.53	+17 12.0	18.1	-0.97	+ 2.9	1.5/14.3	28618
1991 VU	97 02 15.5	09 56.72	+01 06.7	16.9	-0.90	+ 4.6	3.8/18.7	23978
1995 TD	97 02 15.5	09 56.80	+05 40.1	18.3	-0.99	+ 7.2	2.4/17.5	26178
1981 EP ₃₀	97 02 15.6	09 56.87	-01 02.8	17.5	-0.71	+ 8.8	3.9/20.1	28839
1985 RW ₂	97 02 15.6	09 57.12	+14 39.5	17.5	-0.86	+ 4.9	0.7/15.0	28883
1995 QU ₃	97 02 15.6	09 57.16	-09 44.6	18.2	-1.00	+ 0.2	6.6/21.3	28318
1990 WM ₁	97 02 15.6	09 57.22	+13 47.6	18.3	-0.80	+ 6.5	0.4/15.3	23860
(7140)	97 02 15.7	09 57.53	+19 54.5	17.3	-1.06	+ 5.7	2.5/13.7	27705
1982 SO ₅	97 02 15.9	09 58.04	+13 54.8	19.5	-0.91	+ 4.5	0.4/15.5	28883
1979 YQ	97 02 15.9	09 58.18	+25 57.4	16.5	-1.01	+ 6.0	4.9/12.1	22073
1981 EF ₂₉	97 02 15.9	09 58.41	+12 31.3	19.1	-0.81	+ 3.3	6.7/27.0	26920
1995 TB ₈	97 02 16.0	09 58.75	+09 45.3	17.5	-0.92	+ 4.7	1.0/16.8	27560
1988 DF ₂	97 02 16.1	09 58.91	+14 23.5	16.7	-0.94	+ 3.8	0.7/15.6	26188
1981 EK ₁₅	97 02 16.1	09 58.97	+17 02.4	18.4	-0.93	+ 1.1	1.6/15.0	26918
1991 TF ₁₄	97 02 16.1	09 59.01	+20 52.9	17.1	-1.02	+ 3.6	3.3/13.9	25639
1984 SE ₆	97 02 16.2	09 59.52	+15 41.9	17.3	-1.02	+ 4.6	1.1/15.4	26188
1988 RN ₃	97 02 16.3	09 59.60	+09 00.5	19.8	-0.98	+ 6.7	1.2/17.2	25955
2069 P-L	97 02 16.3	09 59.85	+07 50.2	18.9	-0.91	+ 4.8	1.6/17.6	23680
1992 UU ₂	97 02 16.5	10 00.49	+23 16.9	16.4	-1.10	+ 6.0	4.4/13.5	23685
1979 QP	97 02 16.5	10 00.58	+11 26.3	16.8	-0.84	+ 4.2	0.2/16.8	26755
1994 JG ₉	97 02 16.5	10 00.67	+17 30.8	18.7	-0.89	+ 6.4	1.5/15.0	25532
1995 UX	97 02 16.6	10 00.93	+10 24.9	18.5	-0.98	+ 5.9	0.6/17.1	28889
1991 YU	97 02 16.7	10 01.30	+14 00.8	16.5	-0.82	+ 7.5	0.7/16.2	26741
9565 P-L	97 02 16.7	10 01.53	+13 16.0	17.3	-0.99	+ 7.0	0.4/16.4	25969
1989 SA ₃	97 02 16.7	10 01.54	+24 24.5	16.9	-0.83	+ 4.1	3.7/13.2	26419
1990 TL ₇	97 02 16.8	10 01.59	+10 19.1	18.3	-0.83	+ 4.7	0.6/17.3	26560
1158 T-2	97 02 16.8	10 01.66	+09 05.2	18.7	-1.00	+ 5.8	1.2/17.7	20831
1993 FO ₂₁	97 02 16.9	10 01.94	+17 12.0	18.0	-0.94	+ 3.5	1.7/15.5	27915
1992 UJ ₆	97 02 16.9	10 02.09	+02 23.1	17.6	-0.99	+ 7.2	3.6/19.8	21592
1996 CC	97 02 17.1	10 02.77	+43 02.7	17.8	-1.12	+ 3.6	9.9/07.6	28890
1991 RA ₆	97 02 17.1	10 03.10	+21 14.2	17.7	-1.05	+ 5.4	3.2/14.6	26420
1978 UL ₄	97 02 17.2	10 03.07	-06 53.4	18.1	-0.86	+ 6.1	6.0/23.1	20806
1989 SF	97 02 17.3	10 03.75	+11 30.3	16.0	-1.13	+ 3.7	0.2/17.5	27728
3487 T-3	97 02 17.4	10 03.91	+16 20.0	17.4	-0.93	+ 3.8	1.6/16.2	26186
(6790)	97 02 17.4	10 04.01	-02 51.8	17.0	-0.93	+ 6.7	5.0/21.7	26389
1991 NP ₂	97 02 17.4	10 04.12	+09 27.8	17.3	-1.07	+ 3.2	0.9/18.1	28614
7072 P-L	97 02 17.4	10 04.21	-21 17.0	17.4	-0.85	+14.6	15.2/03.6	22087
6063 P-L	97 02 17.5	10 04.38	+10 45.7	18.4	-1.10	+ 5.0	0.4/17.8	28892
2168 T-1	97 02 17.7	10 05.01	+01 23.0	18.2	-0.89	+ 8.4	3.5/21.0	21951
1981 EL ₆	97 02 17.7	10 05.33	-03 53.1	19.5	-0.77	+ 3.9	4.7/22.3	26915
1992 EV ₁₃	97 02 17.8	10 05.40	+10 11.8	16.3	-0.82	+ 4.6	0.5/18.2	26580
1995 UJ ₈	97 02 17.8	10 05.49	-05 36.3	18.0	-0.75	+ 4.7	5.1/23.2	26423
1991 NU ₃	97 02 18.0	10 06.15	+04 51.5	17.6	-1.00	+ 4.0	2.4/19.8	25730
2416 T-3	97 02 18.1	10 06.79	+09 13.9	14.8	-0.96	+ 4.7	1.1/18.8	27732
1991 RQ ₂₇	97 02 18.1	10 06.86	+16 05.8	18.6	-0.95	+ 6.1	1.4/16.9	26399

1982 JM ₁	97 02 18.2	10 06.98	+16 38.2	17.7	-0.80	+ 4.6	1.4/16.7	26578
2664 T-3	97 02 18.2	10 07.27	+13 38.4	18.5	-1.03	+ 4.2	0.9/17.7	25733
3163 T-3	97 02 18.3	10 07.48	+38 50.2	18.2	-1.03	+ 1.2	8.0/10.4	25437
6543 P-L	97 02 18.3	10 07.74	+14 19.3	17.7	-0.75	+ 4.2	0.7/17.6	28620
1995 PA	97 02 18.3	10 07.79	+17 33.7	19.9	-1.04	+ 5.5	2.1/16.7	25964
1991 RO ₂	97 02 18.4	10 07.80	+04 23.4	19.4	-0.91	+ 5.8	2.1/20.5	27120
1978 UV	97 02 18.6	10 08.52	+22 15.6	15.8	-1.01	+ 4.1	4.0/15.7	27930
4125 T-3	97 02 18.7	10 09.17	+25 22.9	19.8	-0.96	+ 3.6	3.9/14.9	27124
1981 EE ₄₇	97 02 18.8	10 09.35	+09 25.8	17.8	-0.89	+ 6.9	0.6/19.4	26899
1991 RQ ₁₉	97 02 18.8	10 09.57	+09 06.0	20.0	-0.96	+ 4.5	0.7/19.5	26399
1981 EW ₃₁	97 02 18.9	10 09.87	+06 37.1	18.6	-0.73	+ 6.4	1.3/20.4	28882
1995 YY ₂₁	97 02 18.9	10 10.02	+14 30.8	17.2	-0.99	+ 4.6	1.1/18.1	28618
1981 EB ₂₉	97 02 18.9	10 10.05	+00 42.0	18.6	-0.80	+ 9.0	4.3/22.5	26920
1310 T-2	97 02 19.0	10 10.02	+14 50.2	18.6	-1.02	+ 5.3	1.3/18.0	24410
1993 CJ ₁	97 02 19.0	10 10.26	+06 41.9	16.2	-0.79	+11.8	1.8/20.6	28587
1989 TT ₂	97 02 19.1	10 10.61	+15 04.0	17.9	-0.75	+ 5.3	1.0/18.0	28884
1976 UG ₂	97 02 19.2	10 10.79	+10 59.9	18.2	-0.97	+ 4.7	0.1/19.3	23787
1994 PK ₃₈	97 02 19.2	10 11.01	+10 57.9	18.2	-0.82	+ 5.4	0.1/19.3	24571
1993 FX ₄₀	97 02 19.2	10 11.09	-00 08.2	17.7	-0.80	+ 8.7	3.8/22.9	24408
(6783)	97 02 19.4	10 11.54	+24 10.5	16.9	-0.96	+ 3.0	3.8/15.8	26387
1995 UR ₂	97 02 19.4	10 11.62	+04 58.5	18.9	-0.88	+ 4.3	1.8/21.2	28859
1995 UK ₃	97 02 19.4	10 11.75	-12 48.2	16.1	-0.84	+ 3.3	8.1/26.7	26570
1990 XB	97 02 19.4	10 11.77	+27 44.4	15.8	-0.87	+ 4.6	5.2/14.4	20150
1982 UY ₆	97 02 19.4	10 11.89	+20 19.3	18.2	-0.92	+ 4.2	2.6/16.9	27931
2592 P-L	97 02 19.4	10 11.92	+07 10.9	17.5	-0.90	+ 7.2	1.5/20.7	21805
1979 QR ₁	97 02 19.5	10 11.96	+11 52.4	17.8	-0.85	+ 4.2	0.2/19.3	26755
1981 EM ₈	97 02 19.5	10 12.26	+05 32.6	18.6	-0.75	+ 4.0	1.4/21.2	22429
(6727)	97 02 19.7	10 12.74	+14 57.2	16.8	-0.96	+ 4.4	1.3/18.6	26159
6193 P-L	97 02 19.7	10 12.85	-01 08.8	19.8	-0.81	+ 7.2	3.7/23.6	22701
1991 PG ₁₅	97 02 19.7	10 13.14	+13 03.0	18.3	-0.95	+ 5.6	0.6/19.2	27120
1995 SA ₃	97 02 19.8	10 13.09	+00 11.3	17.2	-1.01	+ 5.2	3.7/22.8	26192
1994 TX ₁₂	97 02 19.8	10 13.09	+11 28.6	18.5	-0.75	+ 4.0	0.1/19.7	24902
1995 UC ₇	97 02 19.8	10 13.19	+20 57.9	16.4	-0.98	+ 7.2	3.5/16.8	26760
1995 SW ₂₅	97 02 19.8	10 13.37	+12 59.3	19.5	-0.94	+ 4.5	0.6/19.3	26178
1981 EK ₂₆	97 02 19.8	10 13.51	+09 58.8	18.8	-0.91	+ 6.2	0.4/20.2	15880
1995 UL ₆	97 02 19.9	10 13.46	+11 34.0	18.2	-0.97	+ 4.7	0.2/19.7	26423
1981 DT	97 02 20.1	10 14.35	+09 51.6	17.3	-0.95	+ 0.2	0.3/20.4	26914
1995 QO	97 02 20.2	10 14.83	+14 35.4	20.3	-0.95	+ 3.1	1.1/19.3	26176
1981 ES ₃₃	97 02 20.2	10 14.87	+08 38.5	19.0	-0.95	+ 3.5	0.7/20.9	22697
1994 PB ₂₆	97 02 20.3	10 15.23	+14 30.1	17.4	-0.77	+ 5.4	1.2/19.2	25219
(6745)	97 02 20.4	10 15.41	+15 48.3	16.5	-0.96	+ 9.6	2.2/18.8	26163
1978 NS	97 02 20.4	10 15.44	+11 28.1	18.9	-0.77	+ 4.4	0.2/20.2	23778
1991 VU ₄	97 02 20.4	10 15.52	+13 05.3	17.9	-0.90	+ 6.1	0.7/19.8	25974
(6763)	97 02 20.4	10 15.57	-06 26.0	18.1	-0.84	+ 3.9	4.7/25.5	26383
1991 PX ₁₄	97 02 20.4	10 15.79	+02 01.2	18.2	-0.97	+ 4.8	3.0/22.9	20822
1995 UN ₄	97 02 20.4	10 15.83	+01 59.2	17.5	-0.91	+ 5.2	2.8/23.0	26760
1981 EE ₂₂	97 02 20.5	10 15.81	+16 24.0	18.3	-0.85	+ 3.3	1.9/18.9	22271
1986 TR ₂	97 02 20.7	10 16.74	+27 10.3	16.7	-0.97	+ 4.5	5.7/16.0	26188
1988 PG ₂	97 02 20.7	10 16.78	+12 22.4	18.4	-1.00	+ 6.8	0.6/20.3	20502
3045 P-L	97 02 20.8	10 16.93	+10 54.1	17.0	-0.99	+ 2.0	7.7/01.0	28891
1978 SC ₇	97 02 20.8	10 16.98	+23 23.9	17.0	-1.12	+ 0.7	4.7/17.8	22073

1995 SX ₂₉	97 02 20.8	10 16.99	+27 56.2	17.3	-0.96	+ 5.8	5.3/15.6	26582
4517 P-L	97 02 20.8	10 17.33	+17 58.3	17.1	-1.08	+ 4.0	2.5/18.9	27732
2166 T-1	97 02 20.9	10 17.50	+18 38.6	17.4	-1.14	+ 4.3	3.1/18.8	25436
1991 UV ₂	97 02 20.9	10 17.56	+31 28.2	17.4	-1.04	+ 4.1	6.4/15.0	28615
1981 EN ₃₀	97 02 21.0	10 17.86	+13 26.6	18.0	-0.76	+ 4.3	0.7/20.2	26920
1985 PA ₁	97 02 21.1	10 18.07	+06 32.2	17.3	-0.83	+ 7.4	1.2/22.4	28612
1992 CP ₂	97 02 21.1	10 18.17	+03 49.5	17.3	-0.81	+ 6.1	2.2/23.2	26421
1995 WM ₅	97 02 21.1	10 18.33	+10 51.9	16.9	-0.80	+ 4.2	0.1/21.1	27110
2771 P-L	97 02 21.1	10 18.35	+17 27.4	16.9	-0.80	+ 3.8	2.0/19.1	28619
1988 XR	97 02 21.2	10 18.50	+08 43.8	17.6	-0.99	+ 5.8	0.7/21.7	23684
1990 TT ₁₀	97 02 21.3	10 19.06	+12 45.5	19.2	-0.87	+ 4.0	0.7/20.7	24389
1994 PA ₁	97 02 21.3	10 19.10	+03 08.9	15.3	-0.74	+ 8.5	2.4/23.8	28888
1995 SG ₄	97 02 21.4	10 19.27	-04 34.6	19.4	-1.19	+ 0.1	5.1/24.8	26405
1995 UK ₄	97 02 21.4	10 19.56	+25 39.1	17.2	-0.90	+ 3.4	4.8/17.0	28618
1984 BS	97 02 21.4	10 19.58	+18 42.2	15.7	-1.03	+ 8.4	3.5/18.9	18424
1981 EC ₁₀	97 02 21.4	10 19.63	+01 15.2	18.8	-0.76	+ 5.3	2.8/24.3	24238
2058 P-L	97 02 21.5	10 19.58	+07 22.1	17.0	-0.89	+ 4.6	1.0/22.4	25435
1978 TT ₈	97 02 21.5	10 19.75	+18 08.8	17.7	-0.90	+ 4.8	2.2/19.3	26394
1992 AM ₃	97 02 21.5	10 19.77	-06 55.5	17.2	-0.99	+ 1.0	6.1/26.1	28886
1980 TE ₇	97 02 21.6	10 20.05	+03 07.0	17.5	-0.91	+ 7.1	2.3/23.8	27118
1992 WV ₃	97 02 21.6	10 20.20	+17 03.5	16.1	-1.09	+ 3.5	2.7/19.9	28887
1989 SU ₃	97 02 21.6	10 20.36	+02 22.2	16.7	-0.73	+ 6.8	2.4/24.3	27933
(6794)	97 02 21.7	10 20.70	+34 23.8	15.9	-0.97	+ 2.3	6.8/14.8	26390
5447 T-2	97 02 21.8	10 20.77	+05 21.0	18.1	-1.08	+ 3.0	1.8/23.1	16589
1981 EM ₂₈	97 02 21.8	10 20.83	+29 58.7	20.0	-1.07	+ 0.3	5.4/16.6	26920
1995 PQ	97 02 21.8	10 20.97	+21 24.9	18.9	-0.89	+ 7.6	3.2/18.4	25964
1984 MR	97 02 21.8	10 21.15	+11 26.9	16.8	-0.95	+ 8.3	0.4/21.5	26188
1981 EV ₁₄	97 02 21.9	10 21.17	+06 04.3	18.4	-0.82	+ 3.3	1.4/23.1	26917
1995 PB	97 02 21.9	10 21.49	+02 06.4	17.2	-0.79	+ 7.8	2.9/24.6	26760
1980 FJ ₁	97 02 22.0	10 21.49	+19 27.2	17.3	-0.86	+ 1.6	2.3/19.5	24116
(6803)	97 02 22.0	10 21.93	+22 26.4	17.8	-0.89	+ 5.0	3.5/18.4	27696
1981 TK	97 02 22.2	10 22.55	+39 58.4	18.0	-1.62	- 4.0	11.6/16.7	6951
1995 ST ₄	97 02 22.2	10 22.64	+10 13.3	16.5	-0.93	+ 8.0	0.0/22.3	25966
1982 BU	97 02 22.2	10 22.64	+48 29.7	16.1	-1.04	+11.0	15.4/06.0	22223
1983 CA ₁	97 02 22.2	10 22.65	+11 09.6	15.1	-0.96	+ 1.3	0.4/22.0	27931
2137 T-2	97 02 22.2	10 22.69	+07 46.6	19.1	-1.05	+ 6.4	0.9/23.0	22701
1981 EB ₃₂	97 02 22.3	10 22.92	-02 57.6	19.3	-0.78	+ 3.8	4.0/26.2	26921
2232 T-2	97 02 22.3	10 23.04	+07 42.8	17.7	-0.94	+ 6.9	0.8/23.1	23686
1989 SY ₁	97 02 22.4	10 23.15	+12 58.6	18.6	-0.77	+ 4.8	0.8/21.5	26167
(6706)	97 02 22.4	10 23.24	+10 25.6	17.2	-1.01	+ 5.1	0.1/22.3	26154
1989 AD	97 02 22.4	10 23.30	+15 21.9	15.8	-1.10	+ 3.1	2.1/21.1	22080
1989 UP ₄	97 02 22.4	10 23.34	+10 38.3	17.4	-0.77	+ 4.2	0.2/22.3	26560
1990 VK ₁	97 02 22.4	10 23.46	+13 42.3	16.9	-0.84	+ 4.2	1.1/21.4	26757
1988 RD	97 02 22.5	10 23.61	+37 01.9	16.2	-1.52	- 2.9	10.0/17.2	23536
1992 VN	97 02 22.5	10 23.76	-03 58.9	16.9	-1.03	+ 4.8	5.6/26.6	28849
1981 EQ ₂₀	97 02 22.5	10 23.78	+08 27.2	18.6	-0.90	+ 6.0	0.5/23.0	26918
1995 UK ₄₄	97 02 22.6	10 23.79	+00 22.1	18.0	-0.97	+ 5.1	3.3/25.4	26406
3024 T-2	97 02 22.6	10 23.97	+34 47.6	18.8	-1.30	- 1.8	8.8/16.8	23988
1992 UH ₆	97 02 22.6	10 24.03	+20 46.8	16.6	-1.08	+ 5.7	3.8/19.6	23341
5485 T-2	97 02 22.8	10 24.95	+03 32.3	16.8	-1.02	+ 3.5	2.5/24.6	25652
(6705)	97 02 22.9	10 25.09	+08 36.9	16.4	-1.02	+ 6.7	0.5/23.3	26154

1989 SO	97 02 22.9	10 25.19	+02 27.7	16.6	-0.76	+ 4.2	2.1/25.2	26419
1981 UL ₂₉	97 02 22.9	10 25.22	-07 48.3	19.4	-0.79	+ 5.8	4.8/28.6	23970
4219 T-3	97 02 23.0	10 25.74	+13 05.3	20.6	-0.97	+ 6.4	1.1/22.1	26187
1992 SQ	97 02 23.2	10 26.15	+04 36.4	17.4	-1.05	+ 5.5	2.0/24.7	26190
(6839)	97 02 23.2	10 26.31	+08 15.7	15.8	-0.82	+ 4.7	0.5/23.7	26555
1981 EM ₅	97 02 23.3	10 26.55	-02 08.5	18.7	-0.80	+ 3.3	3.7/26.8	22429
1988 ST ₂	97 02 23.4	10 26.90	+12 55.2	17.7	-0.75	+ 4.4	0.8/22.4	19864
1984 SZ ₅	97 02 23.4	10 27.18	+18 57.6	18.0	-1.13	+ 4.0	3.3/20.9	21969
1981 EL ₁₈	97 02 23.4	10 27.25	+04 45.4	17.9	-0.90	+ 6.0	1.9/25.0	26578
1991 TW ₈	97 02 23.5	10 27.41	+17 12.3	18.1	-1.07	+ 4.2	3.1/21.4	26420
3434 T-3	97 02 23.6	10 27.58	+05 23.1	19.0	-0.85	+ 5.9	1.6/24.9	27929
(6885)	97 02 23.6	10 27.60	+15 08.7	18.1	-0.89	+ 5.7	1.8/21.9	26737
1981 EZ ₂₉	97 02 23.6	10 27.78	+12 00.6	19.0	-1.13	+ 4.4	1.0/23.0	26920
1989 SV ₂	97 02 23.6	10 27.90	+25 35.9	17.3	-0.88	+ 3.4	4.9/18.9	26419
1991 AJ	97 02 23.7	10 28.02	+20 57.8	15.8	-0.75	+ 7.0	3.7/19.9	28885
1981 EZ ₁₉	97 02 23.7	10 28.42	+10 23.0	18.9	-0.95	+ 4.2	0.3/23.6	26918
1981 EA ₆	97 02 23.8	10 28.79	+00 07.4	18.6	-0.77	+ 4.0	2.7/26.7	26915
1985 RR ₄	97 02 23.9	10 28.84	+03 52.1	18.6	-0.78	+ 6.6	1.6/25.7	23788
1994 OC	97 02 24.0	10 29.24	+05 04.1	16.1	-0.86	+ 2.1	1.3/25.2	26581
1995 WJ	97 02 24.0	10 29.25	+18 12.0	18.3	-0.90	+ 5.1	2.5/21.4	26407
1995 VL	97 02 24.2	10 30.16	+29 15.4	18.6	-0.97	+ 4.4	5.9/18.2	26423
1993 FT ₁₄	97 02 24.3	10 30.25	+13 56.7	14.9	-0.80	+ 8.4	2.0/22.8	28850
(6686)	97 02 24.3	10 30.65	+09 00.1	16.6	-0.80	+ 5.4	0.1/24.5	26149
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
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 UR ₁	97 02 24.8	10 32.19	+32 39.8	17.8	-1.09	+ 2.0	7.4/18.1	28889
1994 GA ₁	97 02 24.8	10 32.51	+17 11.8	16.7	-1.04	+ 6.8	2.9/22.5	26174
1995 SL	97 02 24.9	10 32.56	+05 08.4	17.7	-1.00	+ 3.7	1.5/26.0	28856
1993 EP	97 02 24.9	10 32.91	+13 19.5	15.5	-1.13	- 1.1	1.7/24.0	26190
(6693)	97 02 25.0	10 32.97	+03 37.1	17.7	-1.04	+ 3.5	1.8/26.5	26151
1981 EF ₃₇	97 02 25.0	10 33.23	+21 20.4	16.9	-1.11	+ 1.5	4.1/21.9	28611
1995 SL ₃₅	97 02 25.2	10 34.10	+38 22.2	18.3	-1.33	- 1.7	10.5/17.9	26178
1985 RU ₂	97 02 25.3	10 34.17	+12 10.5	17.4	-1.07	+ 5.2	1.2/24.4	26418
1990 OO ₂	97 02 25.3	10 34.35	+05 50.8	16.5	-1.02	+ 1.5	1.0/26.2	26189
1982 VU ₂	97 02 25.5	10 34.78	+32 40.4	16.5	-1.04	+ 4.1	7.8/17.9	26418
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 35.07	+09 05.7	16.9	-0.79	+ 5.2	0.1/25.5	22701
1992 UT ₃	97 02 25.6	10 35.17	+20 59.0	16.6	-1.06	+ 4.8	5.1/22.1	23685
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 25.6	10 35.42	+11 41.7	17.9	-0.92	+ 3.2	0.9/24.9	24911
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 36.93	+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	26187
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 37.06	+11 43.4	16.7	-0.90	+ 6.7	1.0/25.2	26760
1995 WL ₇	97 02 26.1	10 37.48	+18 22.1	17.0	-0.84	+ 5.2	2.8/23.2	27731