The MINOR PLANET CIRCULARS/MINOR PLANETS AND COMETS are published, on behalf of Commission 20 of the International Astronomical Union, usually in batches on the date of each full moon, by:
Minor Planet Center, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
IAUSUBS@CFA.HARVARD.EDU or FAX 617–495–7231 (subscriptions)
BMARSDEN@CFA.HARVARD.EDU or GWILLIAMS@CFA.HARVARD.EDU (science)
Phone 617–495–7244/7440/7444 (for emergency use only).
World-Wide Web address `http://cfa-www.harvard.edu/cfa/ps/mpc.html`
Brian G. Marsden, Director **Gareth V. Williams, Associate Director**
© Copyright 1997 Minor Planet Center **Syuichi Nakano, Liaison in Japan**

EDITORIAL NOTICE

Every month, the *Minor Planet Circulars* include orbital information about minor planets newly identified, or otherwise newly recognized, at more than one opposition. Such identification or recognition at more than one opposition is a very important step along the route that allows an object eventually to receive a permanent number and name. The additional steps necessary for numbering are actually quite straightforward, for they consist of obtaining further astrometric observations that will permit the improvement of the orbital solution to the extent that the object's position can be predicted within just a few arcsec over at least the next several years. Nevertheless, the file of candidates for numbering increases at a significantly greater rate than the file of objects actually numbered. For many years, until its termination at the end of 1996, the observing program at the Oak Ridge Observatory (code 801) was the principal contributor to the numbering process. With the loss of Oak Ridge, the help of other observers is needed to maintain—even increase—the rate of new numberings, currently about 700 per year. Nevertheless, if many observers independently worked on the problem, it would surely happen that some objects were observed to an unnecessary excess, while others received short shrift. To solve this problem, the Minor Planet Center has developed an "observation planner" feature in the World Wide Web. Users accessing the feature are informed of five, say, minor planets they could observe, considering their latitude, magnitude limit, field size, etc. These minor planets are randomly selected from a prioritized list of objects that could be numbered when a few more observations become available. The selected objects are reserved for a particular user for a period of time, after which—in the absence of observations from that user—the objects are returned to the pool of available objects. On the receipt of observations, the priorities automatically change. The "ObsPlanner" service is free, but registration is required and is restricted to active astrometric observers. Its URL is `http://cfa-www.harvard.edu/cfa/ps/ObsPlanner/ObsPlanner.html`.

DELETED OBSERVATIONS

The following observations are to be deleted.

Object		Date	UT	α_{2000}	δ_{2000}	Reference	Obs.
1996 DW_5	*	1996 02	16.03750	09 42 22.77	+16 38 48.4	*MPC* 26796	010
1996 DW_5		1996 02	16.04792	09 42 22.19	+16 38 51.8	*MPC* 26796	010
1996 DW_5		1996 02	16.05833	09 42 21.49	+16 38 55.7	*MPC* 26796	010
1996 DW_5		1996 02	17.01632	09 41 23.70	+16 44 40.3	*MPC* 26796	010
1996 DW_5		1996 02	17.02674	09 41 22.93	+16 44 44.0	*MPC* 26796	010
1996 DW_5		1996 02	17.03715	09 41 22.27	+16 44 47.6	*MPC* 26796	010

IDENTIFICATION CHANGES

Continuation to *MPC* 29697.

Object		Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	Obs.
1987 UZ_9	*	1987 10	27.93446	02 41 31.11	+17 30 06.6	1987 UE_5	16.0	095
1993 HL_8	*	1993 04	17.21128	12 09 03.01	−01 06 57.5	1993 FK_{51}		691
1993 HL_8		1993 04	17.23266	12 09 02.08	−01 06 50.7	1993 FK_{51}	20.9 V	691
1993 HL_8		1993 04	17.25398	12 09 01.11	−01 06 44.5	1993 FK_{51}		691
1997 JU_{16}	*	1997 05	05.32885	14 29 20.21	−11 59 52.5	1997 HS_8		704
1997 JU_{16}		1997 05	05.34622	14 29 19.22	−11 59 45.7	1997 HS_8		704
1997 JU_{16}		1997 05	05.36358	14 29 18.22	−11 59 39.0	1997 HS_8		704
1997 JU_{16}		1997 05	05.38094	14 29 17.24	−11 59 32.5	1997 HS_8		704
1997 JU_{16}		1997 05	05.39830	14 29 16.24	−11 59 25.6	1997 HS_8		704
1997 JP_{18}	*	1997 05	05.33426	14 33 50.50	−12 04 35.6	1997 JJ_4	19.8	704
1997 JP_{18}		1997 05	05.35162	14 33 49.67	−12 04 31.6	1997 JJ_4	20.7	704
1997 JP_{18}		1997 05	05.36898	14 33 48.80	−12 04 29.5	1997 JJ_4	20.5	704
1997 JP_{18}		1997 05	05.38634	14 33 48.11	−12 04 25.6	1997 JJ_4	20.2	704
1997 JP_{18}		1997 05	05.40370	14 33 47.16	−12 04 20.5	1997 JJ_4	20.5	704

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

006 Fabra Observatory, Barcelona. 0.38-m $f/11$ Mailhat astrograph. Observers J. M. Codina, A. Olle, J. Nuñez and N. Torras. Measured by N. Torras, A. Olle, O. Fors and J. Nuñez.

046 Kleť. 0.57-m $f/5.2$ reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec.

057 Belgrade. 0.14-m $f/12$ Askania astrograph + CCD. Observers Vl. Benishek and V. Protitch-Benishek.

104 San Marcello Pistoise. 0.40-m $f/5$ reflector. Observers L. Tesi, G. Cattani and A. Boattini. Measurers L. Tesi, G. Forti and A. Boattini.

108 Montelupo. 0.30-m $f/5.7$ Schmidt-Cassegrain + CCD. Observers M. Tombelli and G. Forti.

118 Modra. 0.6-m $f/5.5$ reflector + CCD. Observers Š. Gajdoš, A. Galád, D. Kalmančok, P. Kolény, L. Kornoš and A. Pravda.
249 SOHO. SOHO-LASCO coronagraph C3. Observers S. Stezelberger, D. Biesecker and C. St. Cyr. Reduction by G. V. Williams.
327 Xinglong. 0.60-m Schmidt + CCD. Observers J. Zhu, Y. J. Chen and X. Y. Li. Measured by C. M. Ma, J. Zhu and X. Y. Li.
353 Nishi Kobe. 0.25-m $f/6.3$ Schmidt-Cassegrain. Observer K. Ito.
355 Hadano. 0.28-m $f/5.0$ reflector + CCD. Observer A. Asami.
360 Kuma Kogen. 0.60-m $f/6.0$ Ritchey-Chrétien + CCD. Observer A. Nakamura.
367 Yatsuka. 0.26-m $f/6.0$ reflector + CCD. Observer H. Abe.
381 Kiso Observatory. 1.05-m $f/3.1$ Schmidt + CCD. Observers M. Saito, D. J. Asher and T. Minezaki. Measured by D. J. Asher.
402 Dynic Astronomical Observatory. 0.60-m $f/4.0$ reflector + CCD. Observer A. Sugie.
422 Loomberah. 0.25-m $f/4.1$ reflector + CCD. Observer G. J. Garradd.
473 Remanzacco. 0.31-m $f/2.8$ Baker-Schmidt + CCD. Observer F. Verlezza.
476 Bussoleno. 0.30-m $f/4.0$ reflector. Observer P. Pognant.
540 Linz. 0.3-m $f/5.2$ Schmidt-Cassegrain + CCD. Observer E. Meyer.
557 Ondřejov. 0.65-m $f/3.6$ reflector + CCD. Observers P. Pravec and L. Šarounová.
587 Sormano. 0.5-m reflector + CCD. Observers F. Manca and M. Cavagna.
589 Santa Lucia Stroncone. 0.50-m $f/2.8$ Ritchey-Chrétien + CCD. Observer A. Vagnozzi.
605 Marl. 0.2-m $f/10$ Schmidt-Cassegrain + CCD. Observer E. Jung.
618 Martigues. 0.30-m $f/5.8$ reflector + CCD. Observers S. Morata and D. Morata.
620 Mallorca. 0.3-m $f/3.3$ reflector + CCD. Observers A. Lopez and R. Pacheco.
630 Osenbach. 0.20-m $f/6.3$ reflector + CCD. Observer C. Demeautis.
658 Dominion Astrophysical Observatory. 1.82-m Plaskett telescope + CCD. Observer G. C. L. Aikman. Measured by D. Balam.
691 Kitt Peak. 0.91-m Spacewatch telescope. Observers T. Gehrels, J. V. Scotti and J. Montani.
696 Mt. Hopkins. 1.2-m reflector + CCD. Observer C. W. Hergenrother.
709 Cloudcroft. 0.6-m Ritchey-Chrétien + CCD. Observer W. Offutt.
807 Cerro Tololo. 1.5-m reflector + CCD. Observers M. J. S. Belton and B. E. A. Mueller. Measured by B. E. A. Mueller.
861 Barão Geraldo. 0.20-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer P. R. Holvorcem.
867 Saji Observatory. 1.03-m $f/4.8$ reflector + CCD. Observers M. Yamanishi, A. Miyamoto, M. Aimoto and T. Oribe.
897 YGCO Chiyoda Observatory. 0.25-m $f/6.0$ reflector + CCD. Observer T. Kojima.
900 Moriyama. 0.25-m $f/6.3$ reflector + CCD. Observer Y. Ikari.
954 Teide Observatory. 0.82-m $f/11.3$ reflector + CCD. Observers J. Licandro, A. Oscoz, P. Santos and M. Serra. Measured by R. Casas.
957 Merignac. 0.20-m $f/6$ reflector. Observer J. Montanne.
963 Werrington. 0.28-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer J. Mackey.
970 Chelmsford. 0.30-m $f/5.25$ reflector + CCD. Observer N. D. James.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N	Obs.
C/1995 O1 (Hale-Bopp)							
C/1995 O1	1996 08	10.97753	17 58 15.94	−08 02 38.7			807
C/1995 O1	1996 08	10.97870	17 58 15.85	−08 02 38.5			807
C/1995 O1	1996 08	10.97965	17 58 15.79	−08 02 38.0			807
C/1995 O1	1996 08	10.98178	17 58 15.63	−08 02 37.4			807
C/1995 O1	1996 11	18.74514	17 52 39.89	−01 55 42.2			006
C/1995 O1	1996 11	18.75764	17 52 40.66	−01 55 37.2			006
C/1995 O1	1996 11	18.76805	17 52 41.12	−01 55 33.6			006
C/1995 O1	1996 11	27.74757	18 00 52.94	−00 59 48.6			006
C/1995 O1	1996 11	27.76377	18 00 53.91	−00 59 42.2			006
C/1995 O1	1996 11	27.76823	18 00 54.20	−00 59 40.0			006
C/1995 O1	1996 12	02.72778	18 05 53.94	−00 24 02.3			006
C/1995 O1	1996 12	02.75148	18 05 55.40	−00 23 49.8			006
C/1995 O1	1997 01	08.87138	18 54 46.60	+06 49 46.6			897
C/1995 O1	1997 01	08.87384	18 54 46.83	+06 49 49.8			897
C/1995 O1	1997 01	10.87657	18 58 06.94	+07 24 53.3			897
C/1995 O1	1997 02	05.21701	19 51 16.07	+17 35 45.2			006
C/1995 O1	1997 02	05.22390	19 51 17.24	+17 36 00.1			006
C/1995 O1	1997 02	05.23576	19 51 19.13	+17 36 22.3			006
C/1995 O1	1997 02	11.22153	20 08 31.89	+20 57 55.5			006
C/1995 O1	1997 02	11.22691	20 08 32.92	+20 58 05.7			006
C/1995 O1	1997 02	11.23507	20 08 34.54	+20 58 25.3			006
C/1995 O1	1997 02	21.21343	20 44 31.29	+27 30 57.6			006
C/1995 O1	1997 02	21.22870	20 44 35.17	+27 31 36.9			006
C/1995 O1	1997 02	21.23490	20 44 36.71	+27 31 52.0			006
C/1995 O1	1997 02	28.20561	21 17 39.89	+32 40 58.8			006
C/1995 O1	1997 02	28.21395	21 17 42.52	+32 41 20.6			006
C/1995 O1	1997 02	28.22228	21 17 45.18	+32 41 45.4			006
C/1995 O1	1997 03	07.18131	22 00 13.67	+37 55 48.3			006
C/1995 O1	1997 03	07.19520	22 00 19.51	+37 56 25.0			006
C/1995 O1	1997 03	07.20909	22 00 25.40	+37 57 02.3			006
C/1995 O1	1997 03	07.22226	22 00 30.78	+37 57 36.2			006
C/1995 O1	1997 06	04.33632	06 00 19.47	+08 40 26.5			422
C/1995 O1	1997 06	04.33672	06 00 19.44	+08 40 26.3			422
C/1995 O1	1997 06	04.33712	06 00 19.56	+08 40 24.9			422
C/1996 B3 (SOHO)							
C/1996 B3	1996 01	27.97115	20 56 22.6	−20 01 46			249
Geocentric position (AU)			+0.00177408	+0.00880898	+0.00412508		
C/1996 B3	1996 01	27.98535	20 56 12.5	−19 59 11			249
Geocentric position (AU)			+0.00177601	+0.00880853	+0.00412447		
C/1996 B3	1996 01	27.99956	20 56 02.4	−19 56 38			249
Geocentric position (AU)			+0.00177795	+0.00880808	+0.00412386		
C/1996 B3	1996 01	28.01208	20 55 51.5	−19 54 56			249
Geocentric position (AU)			+0.00177989	+0.00880763	+0.00412325		
C/1996 B3	1996 01	28.02580	20 55 44.4	−19 52 44			249
Geocentric position (AU)			+0.00178182	+0.00880718	+0.00412264		
C/1996 B3	1996 01	28.03994	20 55 29.1	−19 50 36			249
Geocentric position (AU)			+0.00178376	+0.00880672	+0.00412203		
C/1996 B3	1996 01	28.05411	20 55 20.0	−19 48 15			249
Geocentric position (AU)			+0.00178570	+0.00880627	+0.00412142		

C/1996 B3	1996 01 28.06826	20 55 10.3	−19 45 25		249
Geocentric position (AU)	+0.00178764	+0.00880581	+0.00412081		
C/1996 B3	1996 01 28.08245	20 54 59.9	−19 43 00		249
Geocentric position (AU)	+0.00178958	+0.00880536	+0.00412020		
C/1996 B3	1996 01 28.09659	20 54 50.8	−19 41 32		249
Geocentric position (AU)	+0.00179151	+0.00880490	+0.00411959		
C/1996 B3	1996 01 28.11078	20 54 37.8	−19 38 54		249
Geocentric position (AU)	+0.00179345	+0.00880445	+0.00411897		
C/1996 B3	1996 01 28.12491	20 54 28.6	−19 37 03		249
Geocentric position (AU)	+0.00179539	+0.00880399	+0.00411836		
C/1996 B3	1996 01 28.13903	20 54 14.2	−19 34 21		249
Geocentric position (AU)	+0.00179733	+0.00880353	+0.00411775		
C/1996 B3	1996 01 28.15326	20 54 00.9	−19 31 01		249
Geocentric position (AU)	+0.00179927	+0.00880307	+0.00411714		
C/1996 B3	1996 01 28.16742	20 53 48.9	−19 28 38		249
Geocentric position (AU)	+0.00180121	+0.00880261	+0.00411652		
C/1996 B3	1996 01 28.18170	20 53 37.0	−19 26 38		249
Geocentric position (AU)	+0.00180315	+0.00880215	+0.00411591		
C/1996 B3	1996 01 28.19584	20 53 15.8	−19 23 07		249
Geocentric position (AU)	+0.00180510	+0.00880169	+0.00411529		
C/1996 B3	1996 01 28.21007	20 53 04.6	−19 20 13		249
Geocentric position (AU)	+0.00180704	+0.00880123	+0.00411468		
C/1996 B3	1996 01 28.22425	20 52 50.1	−19 18 25		249
Geocentric position (AU)	+0.00180898	+0.00880077	+0.00411406		
C/1996 B3	1996 01 28.23841	20 52 46.6	−19 16 36		249
Geocentric position (AU)	+0.00181092	+0.00880030	+0.00411345		
C/1996 B3	1996 01 28.25164	20 52 33.0	−19 14 16		249
Geocentric position (AU)	+0.00181286	+0.00879984	+0.00411283		
C/1996 B3	1996 01 28.26587	20 52 18.7	−19 11 54		249
Geocentric position (AU)	+0.00181481	+0.00879937	+0.00411221		
C/1996 B3	1996 01 28.27999	20 52 04.3	−19 09 35		249
Geocentric position (AU)	+0.00181675	+0.00879891	+0.00411160		
C/1996 B3	1996 01 28.29412	20 51 50.5	−19 05 53		249
Geocentric position (AU)	+0.00181869	+0.00879844	+0.00411098		

C/1996 J1 (Evans-Drinkwater)

C/1996 J1-A	1997 06 07.05960	01 59 14.38	+30 24 36.7		587
C/1996 J1-B	1997 06 07.05960	01 59 21.71	+30 24 55.9		587
C/1996 J1-A	1997 06 07.06197	01 59 14.62	+30 24 37.7		587
C/1996 J1-B	1997 06 07.06197	01 59 21.86	+30 24 56.7		587
C/1996 J1-A	1997 06 07.07789	01 59 15.99	+30 24 47.4	15.0 T	587
C/1996 J1-B	1997 06 07.07789	01 59 23.38	+30 25 06.6	14.6 T	587
C/1996 J1-A	1997 06 10.02992	02 03 48.28	+30 54 29.8		118
C/1996 J1-B	1997 06 10.02992	02 03 55.76	+30 54 47.8		118
C/1996 J1-A	1997 06 10.03502	02 03 48.78	+30 54 32.5		118
C/1996 J1-B	1997 06 10.03502	02 03 56.26	+30 54 51.0		118
C/1996 J1-A	1997 06 10.03747	02 03 48.98	+30 54 34.3		118
C/1996 J1-B	1997 06 10.03981	02 03 56.65	+30 54 53.9	15.1 T	118
C/1996 J1-A	1997 06 10.04491	02 03 49.68	+30 54 38.6	15.2 T	118
C/1996 J1-A	1997 06 11.02417	02 05 18.49	+31 04 19.5		118
C/1996 J1-B	1997 06 11.02417	02 05 26.03	+31 04 37.8		118
C/1996 J1-A	1997 06 11.02907	02 05 18.98	+31 04 22.1		118
C/1996 J1-A	1997 06 11.03150	02 05 19.14	+31 04 23.4	15.2 T	118
C/1996 J1-B	1997 06 11.03150	02 05 26.71	+31 04 42.1		118
C/1996 J1-B	1997 06 11.03909	02 05 27.39	+31 04 46.7	15.2 T	118
C/1996 J1-A	1997 06 12.76056	02 07 54.38	+31 21 17.7		867
C/1996 J1-B	1997 06 12.76056	02 08 01.96	+31 21 35.7		867
C/1996 J1-A	1997 06 12.76669	02 07 54.92	+31 21 21.5		867
C/1996 J1-B	1997 06 12.76669	02 08 02.51	+31 21 39.1		867
C/1996 J1-A	1997 06 13.34631	02 08 46.15	+31 26 58.9	15.2 T	861
C/1996 J1-B	1997 06 13.34631	02 08 53.94	+31 27 17.3	14.3 T	861
C/1996 J1-A	1997 06 13.35015	02 08 46.44	+31 27 01.2	15.3 T	861
C/1996 J1-B	1997 06 13.35015	02 08 54.27	+31 27 19.8	14.6 T	861
C/1996 J1-A	1997 06 13.35662	02 08 46.97	+31 27 06.1	15.0 T	861
C/1996 J1-A	1997 06 13.75118	02 09 22.19	+31 30 50.9		867
C/1996 J1-B	1997 06 13.75118	02 09 29.82	+31 31 08.4		867
C/1996 J1-A	1997 06 13.75836	02 09 22.81	+31 30 55.6		867
C/1996 J1-B	1997 06 13.75836	02 09 30.47	+31 31 12.7		867
C/1996 J1-A	1997 06 16.03278	02 12 41.45	+31 52 31.3		118
C/1996 J1-B	1997 06 16.03278	02 12 49.27	+31 52 48.6		118
C/1996 J1-A	1997 06 16.03499	02 12 41.62	+31 52 32.5	15.1 T	118
C/1996 J1-B	1997 06 16.03735	02 12 49.72	+31 52 51.2	16.2 T	118

C/1996 P2 (Russell-Watson)

C/1996 P2	1997 01 06.45260	01 07 33.26	−23 45 28.7		897
C/1996 P2	1997 01 06.45955	01 07 33.44	−23 45 23.1	16.9 T	897
C/1996 P2	1997 01 06.47344	01 07 34.10	−23 45 15.0		897

C/1996 X1 (SOHO)

C/1996 X1	1996 12 11.05645	17 15 50.6	−27 03 21		249
Geocentric position (AU)	−0.00244734	−0.00950387	−0.00509444		
C/1996 X1	1996 12 11.11464	17 16 17.2	−26 54 14		249
Geocentric position (AU)	−0.00244433	−0.00950436	−0.00509449		
C/1996 X1	1996 12 11.17916	17 16 49.6	−26 42 23		249
Geocentric position (AU)	−0.00244131	−0.00950485	−0.00509453		
C/1996 X1	1996 12 11.23966	17 17 14.2	−26 32 03		249
Geocentric position (AU)	−0.00243830	−0.00950533	−0.00509457		
C/1996 X1	1996 12 11.30229	17 17 43.5	−26 21 26		249
Geocentric position (AU)	−0.00243528	−0.00950581	−0.00509460		
C/1996 X1	1996 12 11.36464	17 18 11.3	−26 09 47		249
Geocentric position (AU)	−0.00243226	−0.00950628	−0.00509462		
C/1996 X1	1996 12 11.42916	17 18 36.4	−25 57 58		249
Geocentric position (AU)	−0.00242923	−0.00950674	−0.00509464		
C/1996 X1	1996 12 11.48965	17 19 03.1	−25 46 15		249
Geocentric position (AU)	−0.00242621	−0.00950720	−0.00509465		

C/1996 X2 (SOHO)

C/1996 X2	1996 12 11.80223	17 19 21.5	−27 11 49		249
Geocentric position (AU)	−0.00241104	−0.00950938	−0.00509462		
C/1996 X2	1996 12 11.86465	17 19 50.7	−27 00 45		249
Geocentric position (AU)	−0.00240801	−0.00950979	−0.00509459		
C/1996 X2	1996 12 11.92921	17 20 17.4	−26 48 34		249
Geocentric position (AU)	−0.00240497	−0.00951020	−0.00509456		
C/1996 X2	1996 12 11.98965	17 20 45.9	−26 36 52		249
Geocentric position (AU)	−0.00240193	−0.00951061	−0.00509453		
C/1996 X2	1996 12 12.05644	17 21 13.0	−26 25 47		249
Geocentric position (AU)	−0.00239888	−0.00951100	−0.00509448		

C/1996 X2	1996 12 12.11465	17 21 39.9	−26 15 06			249
Geocentric position (AU)	−0.00239584	−0.00951139	−0.00509444			
C/1996 X2	1996 12 12.17919	17 22 09.4	−26 02 08			249
Geocentric position (AU)	−0.00239279	−0.00951178	−0.00509438			
C/1996 X2	1996 12 12.23965	17 22 33.3	−25 49 40			249
Geocentric position (AU)	−0.00238975	−0.00951215	−0.00509432			
C/1996 X2	1996 12 12.30228	17 22 59.6	−25 37 21			249
Geocentric position (AU)	−0.00238670	−0.00951252	−0.00509426			
C/1996 X2	1996 12 12.36464	17 23 20.3	−25 23 53			249
Geocentric position (AU)	−0.00238365	−0.00951289	−0.00509418			

C/1997 A1 (NEAT)

C/1997 A1	1997 01 15.67333	09 29 10.87	+18 09 46.3	17.2	T	897
C/1997 A1	1997 01 15.68130	09 29 09.94	+18 09 55.5			897

P/1997 B1 (Kobayashi)

P/1997 B1	1997 05 26.50694	10 33 45.89	−00 44 07.5	18.3	T	360
P/1997 B1	1997 05 26.51111	10 33 46.30	−00 44 10.4			360
P/1997 B1	1997 05 28.51130	10 36 34.76	−01 04 09.3	19.0	T	402
P/1997 B1	1997 05 28.51546	10 36 34.89	−01 04 12.8			402
P/1997 B1	1997 05 28.51963	10 36 35.39	−01 04 16.0			402

C/1997 B2 (SOHO)

C/1997 B2	1997 01 26.17914	20 54 11.0	−20 33 09			249
Geocentric position (AU)	+0.00182700	+0.00899467	+0.00392011			
C/1997 B2	1997 01 26.23965	20 53 53.5	−20 27 04			249
Geocentric position (AU)	+0.00183724	+0.00899091	+0.00391646			
C/1997 B2	1997 01 26.30650	20 52 47.6	−20 12 21			249
Geocentric position (AU)	+0.00184749	+0.00898714	+0.00391281			
C/1997 B2	1997 01 26.36464	20 52 07.1	−20 04 32			249
Geocentric position (AU)	+0.00185776	+0.00898335	+0.00390915			
C/1997 B2	1997 01 26.42917	20 51 16.0	−19 53 49			249
Geocentric position (AU)	+0.00186804	+0.00897955	+0.00390548			
C/1997 B2	1997 01 26.48964	20 50 29.0	−19 44 01			249
Geocentric position (AU)	+0.00187834	+0.00897573	+0.00390181			
C/1997 B2	1997 01 26.55223	20 49 30.0	−19 32 23			249
Geocentric position (AU)	+0.00188866	+0.00897190	+0.00389812			
C/1997 B2	1997 01 26.61464	20 48 36.5	−19 21 45			249
Geocentric position (AU)	+0.00189899	+0.00896804	+0.00389443			

P/1997 C1 (Gehrels)

P/1997 C1	1997 06 07.15729	09 22 36.66	+12 40 20.4	21.9	T	691
P/1997 C1	1997 06 07.16326	09 22 36.95	+12 40 19.1	21.0	T	691
P/1997 C1	1997 06 07.16928	09 22 37.29	+12 40 17.4	20.5	T	691
P/1997 C1	1997 06 14.16566	09 28 04.56	+12 17 32.6	22.6	T	691
P/1997 C1	1997 06 14.16987	09 28 04.89	+12 17 31.3	23.3	T	691
P/1997 C1	1997 06 14.17493	09 28 04.99	+12 17 29.5	22.3	T	691

C/1997 D1 (Mueller)

C/1997 D1	1997 04 27.96559	08 54 50.10	+48 59 36.3	14.8	T	861
C/1997 D1	1997 04 27.97366	08 54 49.20	+48 59 27.7	14.6	T	861
C/1997 D1	1997 04 27.98777	08 54 47.69	+48 59 15.4	15.0	T	861
C/1997 D1	1997 05 19.91230	08 28 17.55	+43 35 53.7			118
C/1997 D1	1997 05 19.91747	08 28 17.30	+43 35 49.0	15.5	T	118
C/1997 D1	1997 05 19.92155	08 28 17.14	+43 35 45.6			118
C/1997 D1	1997 05 25.49219	08 24 49.24	+42 17 52.4	14.5	T	360
C/1997 D1	1997 05 25.49514	08 24 49.14	+42 17 50.2			360
C/1997 D1	1997 05 27.48895	08 23 48.99	+41 50 35.0			897
C/1997 D1	1997 05 27.49398	08 23 48.73	+41 50 31.2			897
C/1997 D1	1997 06 06.86736	08 20 14.84	+39 34 28.3			587
C/1997 D1	1997 06 06.87049	08 20 14.79	+39 34 25.7	14.5	T	587
C/1997 D1	1997 06 07.85025	08 20 02.18	+39 22 04.7			118
C/1997 D1	1997 06 07.85289	08 20 02.06	+39 22 02.2	15.5	T	118
C/1997 D1	1997 06 07.85515	08 20 02.02	+39 22 01.0			118
C/1997 D1	1997 06 10.84016	08 19 29.99	+38 44 53.5			118
C/1997 D1	1997 06 10.85168	08 19 29.90	+38 44 44.9	15.1	T	118
C/1997 D1	1997 06 12.47300	08 19 16.46	+38 24 53.2	14.3	T	402
C/1997 D1	1997 06 12.47569	08 19 16.40	+38 24 51.5			402
C/1997 D1	1997 06 12.47847	08 19 16.33	+38 24 48.8			402
C/1997 D1	1997 06 15.84469	08 18 56.60	+37 44 19.5		1	118
C/1997 D1	1997 06 15.84682	08 18 56.62	+37 44 17.6	14.2	T 1	118

P/1997 G1 (Montani)

P/1997 G1	1997 05 17.47759	07 46 08.07	+18 53 29.6		2	381
P/1997 G1	1997 05 17.48540	07 46 08.43	+18 53 27.6		2	381
P/1997 G1	1997 05 24.12515	07 52 34.31	+18 36 13.3	18.3	T	709
P/1997 G1	1997 05 25.48090	07 53 54.90	+18 32 29.7	19.5	T 3	360
P/1997 G1	1997 05 26.47639	07 54 54.55	+18 29 40.7	19.3	T 3	360
P/1997 G1	1997 05 26.48125	07 54 54.89	+18 29 40.6		3	360
P/1997 G1	1997 05 26.48611	07 54 55.13	+18 29 40.2		3	360
P/1997 G1	1997 06 01.15285	08 00 40.76	+18 12 57.7			696
P/1997 G1	1997 06 01.15644	08 00 40.95	+18 12 56.8			696
P/1997 G1	1997 06 04.15766	08 03 47.53	+18 03 36.9	22.7	N	691
P/1997 G1	1997 06 04.16336	08 03 48.25	+18 03 33.1	20.4	T	691
P/1997 G1	1997 06 04.16930	08 03 48.45	+18 03 30.4	21.1	T	691

C/1997 G2 (Montani)

C/1997 G2	1997 05 27.60347	15 18 09.49	−11 33 51.8	17.1	T	360
C/1997 G2	1997 05 27.60833	15 18 09.18	−11 33 53.6			360
C/1997 G2	1997 05 28.62648	15 17 04.12	−11 39 54.5	17.5	T	897
C/1997 G2	1997 05 28.63362	15 17 03.66	−11 39 56.4			897
C/1997 G2	1997 05 28.64284	15 17 03.11	−11 40 00.2			897
C/1997 G2	1997 05 30.86494	15 14 42.19	−11 53 19.1			108
C/1997 G2	1997 05 30.88010	15 14 40.85	−11 53 23.8			108
C/1997 G2	1997 05 30.88829	15 14 40.40	−11 53 25.5	17.8	T	108
C/1997 G2	1997 05 31.60990	15 13 54.63	−11 57 49.4	17.1	T	360
C/1997 G2	1997 05 31.61458	15 13 54.33	−11 57 50.9			360
C/1997 G2	1997 05 31.63975	15 13 52.70	−11 58 00.4	18.0	T	402
C/1997 G2	1997 05 31.64252	15 13 52.54	−11 58 01.4			402
C/1997 G2	1997 05 31.64530	15 13 52.36	−11 58 02.6			402
C/1997 G2	1997 06 01.03517	15 13 27.90	−12 00 22.4	18.1	T	861
C/1997 G2	1997 06 01.04389	15 13 27.43	−12 00 24.6	17.8	T	861
C/1997 G2	1997 06 01.05587	15 13 26.69	−12 00 29.1	17.9	T	861
C/1997 G2	1997 06 02.95626	15 11 27.46	−12 12 11.0	18.3	T	046
C/1997 G2	1997 06 02.95802	15 11 27.35	−12 12 11.8			046
C/1997 G2	1997 06 02.96032	15 11 27.20	−12 12 12.2			046
C/1997 G2	1997 06 06.64773	15 07 40.30	−12 35 11.6	18.1	T	402
C/1997 G2	1997 06 06.65051	15 07 40.10	−12 35 13.2			402

C/1997 G2	1997 06 06.65329	15 07 39.96	−12 35 14.2			402
C/1997 G2	1997 06 07.68370	15 06 37.65	−12 41 45.7	17.7	T	867
C/1997 G2	1997 06 07.68995	15 06 37.29	−12 41 48.2			867
C/1997 G2	1997 06 10.90177	15 03 27.26	−13 02 25.8	18.2	T	046
C/1997 G2	1997 06 10.90832	15 03 26.88	−13 02 28.0			046
C/1997 G2	1997 06 10.91110	15 03 26.71	−13 02 29.0			046
C/1997 G2	1997 06 11.96219	15 02 25.91	−13 09 18.0		4	118
C/1997 G2	1997 06 11.96593	15 02 25.64	−13 09 20.2	18.0	T 4	118
C/1997 G2	1997 06 12.54869	15 01 52.24	−13 13 08.7	18.0	T	402
C/1997 G2	1997 06 12.55216	15 01 52.01	−13 13 09.5			402
C/1997 G2	1997 06 12.55564	15 01 51.75	−13 13 11.5			402
C/1997 G2	1997 06 12.57743	15 01 50.57	−13 13 19.2	17.1	T	360
C/1997 G2	1997 06 12.58229	15 01 50.29	−13 13 21.3			360
C/1997 G2	1997 06 13.13214	15 01 19.04	−13 16 55.0	17.4	T	861
C/1997 G2	1997 06 13.14100	15 01 18.55	−13 16 58.7	17.5	T	861
C/1997 G2	1997 06 13.14922	15 01 18.06	−13 17 01.2	17.4	T	861
C/1997 G2	1997 06 13.58821	15 00 53.22	−13 19 56.2			867
C/1997 G2	1997 06 13.60014	15 00 52.51	−13 20 01.0	18.4	T	867

C/1997 J1 (Mueller)

C/1997 J1	1997 05 14.85092	10 11 50.82	+70 46 14.1			587
C/1997 J1	1997 05 14.85770	10 11 48.92	+70 46 02.5			587
C/1997 J1	1997 05 17.51399	10 00 31.39	+69 28 21.3			381
C/1997 J1	1997 05 17.51573	10 00 31.03	+69 28 18.3			381
C/1997 J1	1997 05 17.51705	10 00 30.68	+69 28 15.8			381
C/1997 J1	1997 05 22.54062	09 44 30.95	+67 01 48.1	13.2	T	367
C/1997 J1	1997 05 22.54271	09 44 30.54	+67 01 44.8			367
C/1997 J1	1997 05 23.89917	09 41 08.14	+66 22 49.7	14.2	T	605
C/1997 J1	1997 05 23.91067	09 41 06.46	+66 22 29.6	14.1	T	605
C/1997 J1	1997 05 24.89799	09 38 51.44	+65 54 24.2			057
C/1997 J1	1997 05 24.90563	09 38 50.55	+65 54 13.0			057
C/1997 J1	1997 05 24.91804	09 38 49.57	+65 53 52.1			057
C/1997 J1	1997 05 25.50035	09 37 33.91	+65 37 25.8	13.2	T	360
C/1997 J1	1997 05 25.50313	09 37 33.61	+65 37 21.2			360
C/1997 J1	1997 05 25.52514	09 37 30.90	+65 36 43.2	13.6	T	355
C/1997 J1	1997 05 25.52790	09 37 30.53	+65 36 39.4			355
C/1997 J1	1997 05 25.52925	09 37 30.40	+65 36 36.3			355
C/1997 J1	1997 05 25.53051	09 37 30.24	+65 36 34.8			355
C/1997 J1	1997 05 25.88759	09 36 46.19	+65 26 31.6	13.7	T	605
C/1997 J1	1997 05 25.89285	09 36 45.52	+65 26 23.2	13.7	T	605
C/1997 J1	1997 05 25.93550	09 36 40.41	+65 25 12.3			963
C/1997 J1	1997 05 27.52986	09 33 37.10	+64 40 47.0	13.3	T	360
C/1997 J1	1997 05 27.53299	09 33 36.75	+64 40 41.7			360
C/1997 J1	1997 05 27.92292	09 32 55.53	+64 29 56.7	13.8	T	476
C/1997 J1	1997 05 27.92789	09 32 55.04	+64 29 47.8	13.8	T	476
C/1997 J1	1997 05 27.93275	09 32 54.38	+64 29 38.6	13.8	T	476
C/1997 J1	1997 05 28.47337	09 31 58.80	+64 14 50.3	13.5	T	402
C/1997 J1	1997 05 28.47476	09 31 58.63	+64 14 47.9			402
C/1997 J1	1997 05 28.47615	09 31 58.56	+64 14 45.8			402
C/1997 J1	1997 05 28.52443	09 31 53.55	+64 13 25.9	13.6	T	900
C/1997 J1	1997 05 28.53361	09 31 52.80	+64 13 10.9			900
C/1997 J1	1997 05 28.53600	09 31 52.56	+64 13 06.8	13.3	T	897
C/1997 J1	1997 05 28.54108	09 31 52.02	+64 12 57.9			897
C/1997 J1	1997 05 28.55076	09 31 51.06	+64 12 42.3			355
C/1997 J1	1997 05 28.55506	09 31 50.69	+64 12 34.5			897
C/1997 J1	1997 05 28.55522	09 31 50.59	+64 12 35.1			355
C/1997 J1	1997 05 28.57060	09 31 49.04	+64 12 09.6	13.4	T	367
C/1997 J1	1997 05 28.57269	09 31 48.81	+64 12 06.0			367
C/1997 J1	1997 05 28.57477	09 31 48.53	+64 12 02.6			367
C/1997 J1	1997 05 28.57685	09 31 48.33	+64 11 59.5			367
C/1997 J1	1997 05 28.91589	09 31 15.22	+64 02 44.1	14.2	T	473
C/1997 J1	1997 05 28.92213	09 31 14.67	+64 02 34.0			473
C/1997 J1	1997 05 28.92729	09 31 14.19	+64 02 26.6			473
C/1997 J1	1997 05 28.93579	09 31 13.14	+64 02 12.2			963
C/1997 J1	1997 05 28.94383	09 31 12.36	+64 01 58.0			473
C/1997 J1	1997 05 28.94701	09 31 12.39	+64 01 52.9			473
C/1997 J1	1997 05 28.95329	09 31 11.87	+64 01 43.8			473
C/1997 J1	1997 05 28.96047	09 31 11.12	+64 01 31.2			473
C/1997 J1	1997 05 29.82918	09 29 49.16	+63 37 58.2	14.0	T	104
C/1997 J1	1997 05 29.83213	09 29 48.87	+63 37 53.0			104
C/1997 J1	1997 05 29.83473	09 29 48.70	+63 37 50.1			104
C/1997 J1	1997 05 29.93700	09 29 39.42	+63 35 04.9			963
C/1997 J1	1997 05 30.90943	09 28 15.13	+63 09 00.2			970
C/1997 J1	1997 05 30.91262	09 28 14.83	+63 08 54.7			970
C/1997 J1	1997 05 30.92449	09 28 13.95	+63 08 36.8			963
C/1997 J1	1997 05 30.92686	09 28 13.64	+63 08 32.5			970
C/1997 J1	1997 05 31.51094	09 27 25.92	+62 53 02.6	12.8	T	367
C/1997 J1	1997 05 31.51615	09 27 25.50	+62 52 54.3			367
C/1997 J1	1997 05 31.54891	09 27 22.81	+62 52 01.1			353
C/1997 J1	1997 05 31.55038	09 27 22.64	+62 51 59.1	13.1	T	402
C/1997 J1	1997 05 31.55072	09 27 22.76	+62 51 59.1			353
C/1997 J1	1997 05 31.55247	09 27 22.51	+62 51 55.6			402
C/1997 J1	1997 05 31.55352	09 27 22.41	+62 51 54.4			353
C/1997 J1	1997 05 31.55455	09 27 22.34	+62 51 52.3			402
C/1997 J1	1997 06 01.99170	09 25 34.10	+62 14 07.7			118
C/1997 J1	1997 06 01.99832	09 25 33.63	+62 13 56.9			118
C/1997 J1	1997 06 02.00626	09 25 33.04	+62 13 44.6	14.2	T	118
C/1997 J1	1997 06 02.99711	09 24 25.41	+61 48 09.7	13.6	T	046
C/1997 J1	1997 06 02.99878	09 24 25.20	+61 48 07.0			046
C/1997 J1	1997 06 03.00052	09 24 25.13	+61 48 04.5			046
C/1997 J1	1997 06 04.49444	09 22 52.38	+61 10 04.9			360
C/1997 J1	1997 06 04.49757	09 22 52.22	+61 10 00.5			360
C/1997 J1	1997 06 04.88495	09 22 29.94	+61 00 14.4	14.9	T	118
C/1997 J1	1997 06 04.89959	09 22 29.15	+60 59 51.9			118
C/1997 J1	1997 06 05.52097	09 21 54.98	+60 44 22.0			355
C/1997 J1	1997 06 05.52522	09 21 54.67	+60 44 15.7			355
C/1997 J1	1997 06 06.53943	09 21 02.32	+60 19 11.6	13.2	T	402
C/1997 J1	1997 06 06.54152	09 21 02.28	+60 19 09.2			402
C/1997 J1	1997 06 06.54360	09 21 02.20	+60 19 06.4			402
C/1997 J1	1997 06 07.54929	09 20 14.63	+59 54 34.8	13.6	T	900
C/1997 J1	1997 06 07.55455	09 20 14.46	+59 54 26.4			355
C/1997 J1	1997 06 07.55594	09 20 14.37	+59 54 24.4	13.6	T	355
C/1997 J1	1997 06 07.55866	09 20 14.25	+59 54 21.1			900
C/1997 J1	1997 06 07.91781	09 19 58.19	+59 45 39.6	14.7	T	118
C/1997 J1	1997 06 07.92027	09 19 58.09	+59 45 36.0			118

C/1997 J1	1997 06 07.92287	09 19 57.97	+59 45 32.4			118
C/1997 J1	1997 06 08.95242	09 19 14.73	+59 20 53.5			557
C/1997 J1	1997 06 08.95466	09 19 14.61	+59 20 50.1		5	557
C/1997 J1	1997 06 11.56059	09 17 41.40	+58 20 00.5	12.5 T		367
C/1997 J1	1997 06 11.56233	09 17 41.24	+58 19 58.4			367
C/1997 J1	1997 06 11.86170	09 17 32.03	+58 13 08.2			118
C/1997 J1	1997 06 11.87014	09 17 31.75	+58 12 56.2	14.0 T		118
C/1997 J1	1997 06 12.52575	09 17 12.22	+57 58 02.4	13.0 T		402
C/1997 J1	1997 06 12.52784	09 17 12.15	+57 57 59.7			402
C/1997 J1	1997 06 12.52992	09 17 12.09	+57 57 56.7			402
C/1997 J1	1997 06 13.52575	09 16 44.81	+57 35 34.2	13.2 T		402
C/1997 J1	1997 06 13.52714	09 16 44.76	+57 35 32.3			402
C/1997 J1	1997 06 13.52853	09 16 44.68	+57 35 30.3			402
C/1997 J1	1997 06 15.95429	09 15 49.15	+56 42 17.0			118
C/1997 J1	1997 06 15.95912	09 15 49.03	+56 42 10.9	13.8 T		118

C/1997 J2 (Meunier-Dupouy)

C/1997 J2	1997 05 14.86481	10 49 35.24	+73 33 54.1			587
C/1997 J2	1997 05 14.89282	10 49 34.39	+73 33 48.6			587
C/1997 J2	1997 05 17.52533	10 48 29.57	+73 25 15.1			381
C/1997 J2	1997 05 17.52708	10 48 29.55	+73 25 14.8			381
C/1997 J2	1997 05 17.52930	10 48 29.57	+73 25 14.3			381
C/1997 J2	1997 05 19.97748	10 47 47.84	+73 16 44.6	14.5 T		118
C/1997 J2	1997 05 19.97955	10 47 47.85	+73 16 44.0			118
C/1997 J2	1997 05 19.98233	10 47 47.83	+73 16 43.6			118
C/1997 J2	1997 05 22.54689	10 47 23.60	+73 07 22.7	12.7 T		367
C/1997 J2	1997 05 22.54896	10 47 23.58	+73 07 22.1			367
C/1997 J2	1997 05 23.93601	10 47 18.48	+73 02 06.8	13.7 T		605
C/1997 J2	1997 05 23.95287	10 47 18.50	+73 02 03.0	13.7 T		605
C/1997 J2	1997 05 24.02581	10 47 18.02	+73 01 46.8			057
C/1997 J2	1997 05 24.87128	10 47 17.75	+72 58 29.8			057
C/1997 J2	1997 05 24.91325	10 47 17.96	+72 58 23.0			963
C/1997 J2	1997 05 25.50712	10 47 19.25	+72 56 05.2	13.1 T		360
C/1997 J2	1997 05 25.51007	10 47 19.22	+72 56 04.5			360
C/1997 J2	1997 05 25.53262	10 47 19.25	+72 55 58.3	13.1 T		355
C/1997 J2	1997 05 25.53653	10 47 19.28	+72 55 57.1			355
C/1997 J2	1997 05 25.89329	10 47 20.54	+72 54 33.1	14.3 T		118
C/1997 J2	1997 05 25.89869	10 47 20.51	+72 54 31.9			118
C/1997 J2	1997 05 25.91123	10 47 20.11	+72 54 28.1			963
C/1997 J2	1997 05 25.92195	10 47 20.61	+72 54 25.3	13.5 T		605
C/1997 J2	1997 05 25.93329	10 47 20.52	+72 54 23.1	13.5 T		605
C/1997 J2	1997 05 26.88834	10 47 26.01	+72 50 39.0	14.0 T		630
C/1997 J2	1997 05 26.97486	10 47 26.42	+72 50 17.6	14.0 T		630
C/1997 J2	1997 05 27.53906	10 47 30.42	+72 48 02.0	13.2 T		360
C/1997 J2	1997 05 27.54306	10 47 30.44	+72 48 00.9			360
C/1997 J2	1997 05 27.86616	10 47 33.43	+72 46 42.1	14.3 T		618
C/1997 J2	1997 05 27.87381	10 47 33.53	+72 46 40.2	14.3 T		618
C/1997 J2	1997 05 27.87861	10 47 33.57	+72 46 39.5	14.3 T		618
C/1997 J2	1997 05 27.88411	10 47 33.67	+72 46 38.0	14.2 T		618
C/1997 J2	1997 05 27.89271	10 47 33.67	+72 46 37.4	13.5 T		476
C/1997 J2	1997 05 27.89591	10 47 33.77	+72 46 35.0	14.2 T		618
C/1997 J2	1997 05 27.89861	10 47 33.78	+72 46 37.8	13.5 T		476
C/1997 J2	1997 05 27.90419	10 47 33.53	+72 46 34.5	13.5 T		476
C/1997 J2	1997 05 27.92148	10 47 33.93	+72 46 29.5	13.9 T		957
C/1997 J2	1997 05 27.94431	10 47 34.23	+72 46 23.5	13.8 T		957
C/1997 J2	1997 05 28.48184	10 47 39.60	+72 44 13.7	13.1 T		402
C/1997 J2	1997 05 28.48323	10 47 39.65	+72 44 13.3			402
C/1997 J2	1997 05 28.48462	10 47 39.65	+72 44 12.9			402
C/1997 J2	1997 05 28.55158	10 47 40.13	+72 43 56.6	13.3 T		900
C/1997 J2	1997 05 28.55905	10 47 40.44	+72 43 53.8	13.1 T		897
C/1997 J2	1997 05 28.56074	10 47 40.31	+72 43 53.9			900
C/1997 J2	1997 05 28.57022	10 47 40.56	+72 43 51.0			355
C/1997 J2	1997 05 28.57385	10 47 40.51	+72 43 50.4			355
C/1997 J2	1997 05 28.57918	10 47 40.61	+72 43 49.2	12.6 T		367
C/1997 J2	1997 05 28.58083	10 47 40.57	+72 43 48.5			897
C/1997 J2	1997 05 28.58126	10 47 40.69	+72 43 48.6			367
C/1997 J2	1997 05 28.58333	10 47 40.63	+72 43 47.9			367
C/1997 J2	1997 05 28.88946	10 47 44.52	+72 42 35.5	13.9 T		957
C/1997 J2	1997 05 28.94235	10 47 44.95	+72 42 19.3			963
C/1997 J2	1997 05 29.84294	10 47 57.14	+72 38 41.3	12.0 T		104
C/1997 J2	1997 05 29.84850	10 47 57.23	+72 38 39.1			104
C/1997 J2	1997 05 29.85197	10 47 57.30	+72 38 38.4			104
C/1997 J2	1997 05 29.85718	10 47 57.41	+72 38 37.1			104
C/1997 J2	1997 05 29.92448	10 47 58.56	+72 38 17.8			970
C/1997 J2	1997 05 29.93037	10 47 58.74	+72 38 17.1			970
C/1997 J2	1997 05 29.93067	10 47 58.55	+72 38 17.0			963
C/1997 J2	1997 05 29.93567	10 47 58.66	+72 38 15.7			970
C/1997 J2	1997 05 29.96281	10 47 59.05	+72 38 10.3			970
C/1997 J2	1997 05 30.91837	10 48 14.35	+72 34 11.2			963
C/1997 J2	1997 05 30.94501	10 48 14.66	+72 34 04.6			970
C/1997 J2	1997 05 30.97282	10 48 15.29	+72 33 58.0			557
C/1997 J2	1997 05 30.97704	10 48 15.44	+72 33 57.0			557
C/1997 J2	1997 05 31.51927	10 48 25.20	+72 31 41.3	12.6 T		367
C/1997 J2	1997 05 31.52274	10 48 25.33	+72 31 40.5			367
C/1997 J2	1997 05 31.56865	10 48 26.17	+72 31 29.0	13.0 T		402
C/1997 J2	1997 05 31.57073	10 48 26.25	+72 31 28.6			402
C/1997 J2	1997 05 31.57255	10 48 26.11	+72 31 28.1			353
C/1997 J2	1997 05 31.57281	10 48 26.24	+72 31 27.8			402
C/1997 J2	1997 05 31.57422	10 48 26.20	+72 31 27.7			353
C/1997 J2	1997 05 31.57688	10 48 26.31	+72 31 26.9			353
C/1997 J2	1997 05 31.94841	10 48 33.76	+72 29 52.2			118
C/1997 J2	1997 05 31.96197	10 48 33.94	+72 29 49.0	13.4 T		118
C/1997 J2	1997 06 03.00855	10 49 20.95	+72 21 07.7	13.3 T		046
C/1997 J2	1997 06 03.00992	10 49 20.92	+72 21 07.8			046
C/1997 J2	1997 06 03.01164	10 49 20.99	+72 21 07.3			046
C/1997 J2	1997 06 03.88194	10 49 44.45	+72 17 24.2	13.3 T		476
C/1997 J2	1997 06 03.89531	10 49 44.44	+72 17 20.8	13.3 T		476
C/1997 J2	1997 06 03.90590	10 49 44.77	+72 17 18.4	13.3 T		476
C/1997 J2	1997 06 04.50469	10 50 02.07	+72 14 43.5			360
C/1997 J2	1997 06 04.50781	10 50 02.16	+72 14 42.8			360
C/1997 J2	1997 06 04.90689	10 50 14.11	+72 12 57.8	14.6 T		118
C/1997 J2	1997 06 04.90910	10 50 14.23	+72 12 57.6			118
C/1997 J2	1997 06 04.91260	10 50 14.40	+72 12 56.8			118
C/1997 J2	1997 06 05.53771	10 50 33.69	+72 10 13.6			355
C/1997 J2	1997 06 05.54036	10 50 33.77	+72 10 12.7			355

C/1997 J2	1997 06 06.56088	10 51 07.66	+72 05 45.6	13.0 T	402
C/1997 J2	1997 06 06.61516	10 51 09.36	+72 05 30.4	13.2 T	900
C/1997 J2	1997 06 06.62431	10 51 09.70	+72 05 27.9		900
C/1997 J2	1997 06 07.55750	10 51 43.23	+72 01 22.6	13.0 T	402
C/1997 J2	1997 06 07.56772	10 51 43.55	+72 01 19.8		402
C/1997 J2	1997 06 07.57064	10 51 43.68	+72 01 18.4	12.9 T	355
C/1997 J2	1997 06 07.57582	10 51 43.84	+72 01 17.3		355
C/1997 J2	1997 06 11.56476	10 54 29.91	+71 43 32.9	12.2 T	367
C/1997 J2	1997 06 11.56649	10 54 30.04	+71 43 32.4		367
C/1997 J2	1997 06 11.88892	10 54 45.26	+71 42 05.4		118
C/1997 J2	1997 06 11.89822	10 54 45.69	+71 42 02.7	13.3 T	118
C/1997 J2	1997 06 11.95183	10 54 48.06	+71 41 48.0		046
C/1997 J2	1997 06 11.95346	10 54 48.13	+71 41 47.6		046
C/1997 J2	1997 06 11.95475	10 54 48.21	+71 41 47.1		046
C/1997 J2	1997 06 12.53418	10 55 15.87	+71 39 11.5	13.0 T	402
C/1997 J2	1997 06 12.53626	10 55 15.94	+71 39 11.1		402
C/1997 J2	1997 06 12.53835	10 55 16.05	+71 39 10.6		402
C/1997 J2	1997 06 13.53535	10 56 05.44	+71 34 40.4	12.7 T	402
C/1997 J2	1997 06 13.53743	10 56 05.56	+71 34 40.1		402
C/1997 J2	1997 06 13.53951	10 56 05.62	+71 34 39.3		402

C/1997 K1 (SOHO)

C/1997 K1	1997 05 31.22089	04 36 16.5	+18 07 57		249
Geocentric position (AU)	+0.00357841	+0.01019823	+0.00342236		
C/1997 K1	1997 05 31.27784	04 36 12.7	+18 15 19		249
Geocentric position (AU)	+0.00357637	+0.01019941	+0.00342269		
C/1997 K1	1997 05 31.33339	04 36 10.5	+18 21 38		249
Geocentric position (AU)	+0.00357432	+0.01020059	+0.00342302		
C/1997 K1	1997 05 31.38339	04 36 03.3	+18 26 47		249
Geocentric position (AU)	+0.00357252	+0.01020162	+0.00342331		
C/1997 K1	1997 05 31.43279	04 35 59.7	+18 32 18		249
Geocentric position (AU)	+0.00357072	+0.01020264	+0.00342360		
C/1997 K1	1997 05 31.48547	04 35 55.7	+18 39 38		249
Geocentric position (AU)	+0.00356865	+0.01020381	+0.00342394		
C/1997 K1	1997 05 31.52714	04 35 51.8	+18 45 04		249
Geocentric position (AU)	+0.00356710	+0.01020469	+0.00342419		
C/1997 K1	1997 05 31.78087	04 35 24.5	+19 18 29		249
Geocentric position (AU)	+0.00355773	+0.01020990	+0.00342573		
C/1997 K1	1997 05 31.86627	04 35 17.8	+19 32 19		249
Geocentric position (AU)	+0.00355432	+0.01021176	+0.00342629		
C/1997 K1	1997 05 31.91044	04 35 15.8	+19 39 00		249
Geocentric position (AU)	+0.00355275	+0.01021262	+0.00342655		
C/1997 K1	1997 05 31.94450	04 35 12.2	+19 45 30		249
Geocentric position (AU)	+0.00355143	+0.01021333	+0.00342676		
C/1997 K1	1997 05 31.97575	04 35 07.1	+19 49 59		249
Geocentric position (AU)	+0.00355011	+0.01021404	+0.00342698		
C/1997 K1	1997 06 01.02785	04 35 03.8	+19 58 27		249
Geocentric position (AU)	+0.00354826	+0.01021503	+0.00342729		
C/1997 K1	1997 06 01.07436	04 35 03.1	+20 06 00		249
Geocentric position (AU)	+0.00354641	+0.01021602	+0.00342760		
C/1997 K1	1997 06 01.12159	04 34 56.1	+20 14 25		249
Geocentric position (AU)	+0.00354455	+0.01021701	+0.00342790		
C/1997 K1	1997 06 01.17793	04 34 51.8	+20 25 46		249
Geocentric position (AU)	+0.00354242	+0.01021813	+0.00342826		
C/1997 K1	1997 06 01.18758	04 34 54.7	+20 25 26		249
Geocentric position (AU)	+0.00354215	+0.01021827	+0.00342830		
C/1997 K1	1997 06 01.22922	04 34 50.8	+20 34 08		249
Geocentric position (AU)	+0.00354055	+0.01021911	+0.00342857		
C/1997 K1	1997 06 01.25631	04 34 48.0	+20 39 57		249
Geocentric position (AU)	+0.00353949	+0.01021967	+0.00342874		
C/1997 K1	1997 06 01.27089	04 34 47.3	+20 43 08		249
Geocentric position (AU)	+0.00353895	+0.01021995	+0.00342883		
C/1997 K1	1997 06 01.35422	04 34 42.9	+21 03 00		249
Geocentric position (AU)	+0.00353574	+0.01022162	+0.00342937		
C/1997 K1	1997 06 01.39589	04 34 28.9	+21 18 51		249
Geocentric position (AU)	+0.00353413	+0.01022245	+0.00342964		

C/1997 L1 (Xinglong)

C/1997 L1	1997 06 03.67351	15 31 55.45	−06 30 17.3		327
C/1997 L1	1997 06 03.68338	15 31 55.21	−06 30 10.0		327
C/1997 L1	1997 06 03.69281	15 31 54.85	−06 30 04.9	16.7 T	327
C/1997 L1	1997 06 04.68358	15 31 21.55	−06 20 40.0	17.1 T	327
C/1997 L1	1997 06 04.69367	15 31 21.18	−06 20 35.2		327
C/1997 L1	1997 06 04.70343	15 31 20.81	−06 20 29.3		327
C/1997 L1	1997 06 08.36119	15 29 21.84	−05 46 40.9	16.5 T	658
C/1997 L1	1997 06 08.36435	15 29 21.77	−05 46 39.0	16.6 T	658
C/1997 L1	1997 06 08.37000	15 29 21.56	−05 46 35.8	16.5 T	658
C/1997 L1	1997 06 08.85532	15 29 06.37	−05 42 14.4		589
C/1997 L1	1997 06 08.86677	15 29 06.00	−05 42 08.6		589
C/1997 L1	1997 06 08.87861	15 29 05.66	−05 42 02.6		589
C/1997 L1	1997 06 08.88558	15 29 05.39	−05 41 58.1	17.8 T	046
C/1997 L1	1997 06 08.88730	15 29 05.34	−05 41 55.9		046
C/1997 L1	1997 06 08.88953	15 29 05.29	−05 41 54.6		046
C/1997 L1	1997 06 08.89203	15 29 05.18	−05 41 53.7		046
C/1997 L1	1997 06 08.89414	15 29 05.13	−05 41 52.1		046
C/1997 L1	1997 06 08.89819	15 29 05.02	−05 41 52.1		589
C/1997 L1	1997 06 09.14554	15 28 57.31	−05 39 37.2	17.4 T	709
C/1997 L1	1997 06 09.15183	15 28 57.13	−05 39 33.9	17.3 T	709
C/1997 L1	1997 06 09.15880	15 28 56.90	−05 39 30.2	17.3 T	709
C/1997 L1	1997 06 09.16568	15 28 56.68	−05 39 26.3	17.4 T	709
C/1997 L1	1997 06 09.31219	15 28 52.01	−05 38 07.6		658
C/1997 L1	1997 06 09.31685	15 28 51.86	−05 38 05.0		658
C/1997 L1	1997 06 09.32030	15 28 51.73	−05 38 03.5		658
C/1997 L1	1997 06 09.60095	15 28 43.13	−05 35 32.4		327
C/1997 L1	1997 06 09.60572	15 28 42.95	−05 35 30.3		327
C/1997 L1	1997 06 09.61061	15 28 42.81	−05 35 27.7	18.6 T	327
C/1997 L1	1997 06 09.87328	15 28 34.69	−05 33 07.5		046
C/1997 L1	1997 06 09.87613	15 28 34.57	−05 33 05.9		046
C/1997 L1	1997 06 09.88035	15 28 34.47	−05 33 03.5		046
C/1997 L1	1997 06 09.92223	15 28 33.18	−05 32 42.9	17.9 T	540
C/1997 L1	1997 06 09.92876	15 28 32.86	−05 32 38.5		540
C/1997 L1	1997 06 09.96630	15 28 31.82	−05 32 18.4	6	118
C/1997 L1	1997 06 09.97752	15 28 31.45	−05 32 12.2	17.8 T 6	118
C/1997 L1	1997 06 10.30668	15 28 21.32	−05 29 17.7		658
C/1997 L1	1997 06 10.30803	15 28 21.27	−05 29 16.9		658

C/1997 L1	1997 06 10.31272	15 28 21.15	−05 29 14.3			658
C/1997 L1	1997 06 10.86976	15 28 04.30	−05 24 20.6	17.4	T	046
C/1997 L1	1997 06 10.87374	15 28 04.16	−05 24 18.4			046
C/1997 L1	1997 06 10.87656	15 28 04.07	−05 24 16.6			046
C/1997 L1	1997 06 10.97365	15 28 01.05	−05 23 25.5			118
C/1997 L1	1997 06 10.98362	15 28 00.75	−05 23 19.7	18.2	T	118
C/1997 L1	1997 06 11.05745	15 27 58.67	−05 22 40.9	17.8	T	861
C/1997 L1	1997 06 11.08251	15 27 57.89	−05 22 28.7	17.6	T	861
C/1997 L1	1997 06 11.10657	15 27 57.07	−05 22 17.0	17.8	T	861
C/1997 L1	1997 06 11.13797	15 27 56.20	−05 21 59.6	17.2	T	709
C/1997 L1	1997 06 11.14487	15 27 56.01	−05 21 56.0	17.2	T	709
C/1997 L1	1997 06 11.14841	15 27 55.89	−05 21 54.1	17.3	T	709
C/1997 L1	1997 06 11.15245	15 27 55.77	−05 21 52.0	17.2	T	709
C/1997 L1	1997 06 11.15734	15 27 55.63	−05 21 49.1	17.3	T	709
C/1997 L1	1997 06 11.59254	15 27 42.55	−05 18 01.7	17.9	T	367
C/1997 L1	1997 06 11.59670	15 27 42.36	−05 17 59.8			367
C/1997 L1	1997 06 11.60087	15 27 42.25	−05 17 59.2			367
C/1997 L1	1997 06 11.65384	15 27 40.65	−05 17 30.2	17.4	T	867
C/1997 L1	1997 06 11.66056	15 27 40.46	−05 17 26.4			867
C/1997 L1	1997 06 11.66704	15 27 40.25	−05 17 22.9			867
C/1997 L1	1997 06 12.35713	15 27 19.73	−05 11 24.9	17.3	T	696
C/1997 L1	1997 06 12.36117	15 27 19.61	−05 11 23.0	17.4	T	696
C/1997 L1	1997 06 12.36506	15 27 19.51	−05 11 21.3			696
C/1997 L1	1997 06 12.48909	15 27 16.02	−05 10 18.9			402
C/1997 L1	1997 06 12.49117	15 27 15.98	−05 10 17.2			402
C/1997 L1	1997 06 12.49325	15 27 15.88	−05 10 15.0			402
C/1997 L1	1997 06 12.55993	15 27 13.83	−05 09 40.1	17.5	T	900
C/1997 L1	1997 06 12.57699	15 27 13.40	−05 09 32.3			900
C/1997 L1	1997 06 12.59757	15 27 12.76	−05 09 21.5	17.1	T	360
C/1997 L1	1997 06 12.60278	15 27 12.61	−05 09 18.9			360
C/1997 L1	1997 06 12.60799	15 27 12.47	−05 09 15.9			360
C/1997 L1	1997 06 12.63185	15 27 11.76	−05 09 05.1	17.5	T	402
C/1997 L1	1997 06 12.63532	15 27 11.62	−05 09 03.3			402
C/1997 L1	1997 06 12.63880	15 27 11.52	−05 09 00.8			402
C/1997 L1	1997 06 13.16867	15 26 56.22	−05 04 28.5	17.4	T	861
C/1997 L1	1997 06 13.19205	15 26 55.25	−05 04 16.6	17.0	T	861
C/1997 L1	1997 06 13.49140	15 26 46.91	−05 01 46.8	17.6	T	402
C/1997 L1	1997 06 13.49696	15 26 46.72	−05 01 42.6			402
C/1997 L1	1997 06 13.60986	15 26 43.39	−05 00 44.5	16.8	T	867
C/1997 L1	1997 06 13.61669	15 26 43.18	−05 00 41.2			867
C/1997 L1	1997 06 13.62329	15 26 43.03	−05 00 38.3			867
C/1997 L1	1997 06 13.91360	15 26 34.76	−04 58 12.9	17.6	T	620
C/1997 L1	1997 06 13.92534	15 26 34.41	−04 58 05.6			118
C/1997 L1	1997 06 13.93021	15 26 34.29	−04 58 04.6			620
C/1997 L1	1997 06 13.93359	15 26 34.17	−04 58 01.6	17.5	T	118
C/1997 L1	1997 06 13.94404	15 26 33.89	−04 57 57.6	17.7	T	620
C/1997 L1	1997 06 13.95590	15 26 33.55	−04 57 51.7	17.7	T	620
C/1997 L1	1997 06 14.26111	15 26 24.84	−04 55 18.4			658
C/1997 L1	1997 06 14.26457	15 26 24.72	−04 55 15.2			658
C/1997 L1	1997 06 14.26675	15 26 24.70	−04 55 13.8			658
C/1997 L1	1997 06 15.34212	15 25 54.53	−04 46 18.0			658
C/1997 L1	1997 06 15.34830	15 25 54.37	−04 46 15.1			658
C/1997 L1	1997 06 15.35344	15 25 54.27	−04 46 12.3			658

2P/Encke

2P	1997 06 04.34155	06 08 40.32	+15 36 24.3			422
2P	1997 06 04.34209	06 08 40.55	+15 36 21.7			422
2P	1997 06 05.33884	06 11 06.50	+14 48 40.9			422
2P	1997 06 05.33993	06 11 06.72	+14 48 37.5			422
2P	1997 06 08.34933	06 17 48.85	+12 12 23.2			422

19P/Borrelly

19P	1997 06 11.04404	15 35 15.98	−07 05 44.8	21.6	T	954
19P	1997 06 11.08271	15 35 14.71	−07 05 46.6	21.6	T	954

29P/Schwassmann-Wachmann 1

29P	1997 01 06.84936	12 13 05.81	−08 57 31.0	14.1	T	897
29P	1997 01 10.84058	12 13 21.02	−09 05 57.0			897
29P	1997 01 10.84273	12 13 21.09	−09 05 57.7	14.6	T	897
29P	1997 01 13.75543	12 13 26.08	−09 11 29.2	14.7	T	897
29P	1997 05 18.99477	11 38 05.84	−06 37 07.1			954
29P	1997 05 19.01013	11 38 05.79	−06 37 06.0			954
29P	1997 05 25.51545	11 37 58.51	−06 30 33.5	12.8	T	360
29P	1997 05 25.51823	11 37 58.51	−06 30 33.1			360
29P	1997 05 25.92884	11 37 58.82	−06 30 12.2			954
29P	1997 05 25.94179	11 37 58.81	−06 30 11.5			954
29P	1997 05 25.95475	11 37 58.84	−06 30 11.0			954
29P	1997 05 25.96772	11 37 58.82	−06 30 10.2			954
29P	1997 05 31.16907	11 38 12.01	−06 26 47.9	19.9	N	691
29P	1997 05 31.51896	11 38 13.65	−06 26 36.7			353
29P	1997 05 31.52183	11 38 13.66	−06 26 37.1			353
29P	1997 05 31.52339	11 38 13.68	−06 26 37.9			353
29P	1997 06 01.18571	11 38 16.41	−06 26 19.4	18.9	N	691
29P	1997 06 02.17801	11 38 21.32	−06 25 55.3	18.9	N	691
29P	1997 06 03.17325	11 38 26.76	−06 25 34.9	16.1	N	691
29P	1997 06 10.88120	11 39 28.15	−06 25 00.2			118
29P	1997 06 10.88853	11 39 28.22	−06 25 00.2	14.6	T	118

32P/Comas Solá

32P	1997 05 31.19896	13 28 23.91	−01 02 55.9	21.4	N	691
32P	1997 05 31.21019	13 28 23.69	−01 02 57.5	18.4	T	691
32P	1997 05 31.22083	13 28 23.56	−01 02 59.4	18.1	T	691
32P	1997 06 01.91958	13 27 59.48	−01 08 09.1		3	118
32P	1997 06 01.93900	13 27 59.22	−01 08 13.6	17.8	T 3	118

46P/Wirtanen

46P	1997 04 26.94444	05 38 34.27	+29 18 04.9			861
46P	1997 04 27.94234	05 43 18.14	+29 26 34.9			861
46P	1997 04 27.95439	05 43 21.40	+29 26 42.2			861
46P	1997 05 19.83978	07 22 31.74	+29 57 13.7	15.7	T	118
46P	1997 05 19.84207	07 22 32.41	+29 57 12.7			118
46P	1997 05 19.84409	07 22 32.86	+29 57 12.5			118
46P	1997 05 25.47049	07 45 47.95	+29 24 26.9	13.4	T	360
46P	1997 05 25.47344	07 45 48.67	+29 24 25.8			360
46P	1997 05 25.83681	07 47 16.57	+29 21 50.9			118
46P	1997 05 25.84516	07 47 18.61	+29 21 46.8			118

46P	1997 06 09.85388	08 43 31.58	+26 58 11.7		7	118
46P	1997 06 09.85591	08 43 32.05	+26 58 09.8	16.5 T	7	118

48P/Johnson

48P	1997 05 31.67001	19 42 50.95	−14 35 35.3	17.7 T		402
48P	1997 05 31.67696	19 42 50.93	−14 35 36.7			402
48P	1997 05 31.68390	19 42 50.92	−14 35 37.8			402
48P	1997 05 31.70677	19 42 51.03	−14 35 42.7	16.9 T		360
48P	1997 05 31.71215	19 42 51.04	−14 35 43.6			360
48P	1997 06 01.00354	19 42 51.72	−14 36 39.7			118
48P	1997 06 01.02882	19 42 51.73	−14 36 44.9	17.7 T		118
48P	1997 06 03.40173	19 42 52.51	−14 44 50.1	20.4 N		691
48P	1997 06 07.74620	19 42 32.12	−15 01 57.2	17.8 T		867
48P	1997 06 07.75176	19 42 32.07	−15 01 58.7			867
48P	1997 06 10.01265	19 42 10.45	−15 12 05.6	18.0 T		046
48P	1997 06 10.01708	19 42 10.41	−15 12 06.7			046
48P	1997 06 10.01978	19 42 10.37	−15 12 07.7			046
48P	1997 06 10.99406	19 41 58.73	−15 16 44.1			118
48P	1997 06 11.00562	19 41 58.54	−15 16 47.5	17.6 T		118
48P	1997 06 12.68733	19 41 35.16	−15 25 05.7	16.3 T		360
48P	1997 06 12.70017	19 41 34.93	−15 25 09.5			360
48P	1997 06 13.68047	19 41 19.41	−15 30 12.8	17.4 T		402
48P	1997 06 13.68395	19 41 19.34	−15 30 14.3			402
48P	1997 06 13.68742	19 41 19.29	−15 30 15.3			402

67P/Churyumov-Gerasimenko

67P	1997 05 31.19352	12 55 07.53	−01 52 57.5	21.6 T	691
67P	1997 05 31.20418	12 55 07.40	−01 52 57.4	22.0 T	691
67P	1997 05 31.21604	12 55 07.13	−01 52 56.6	21.9 T	691

68P/Klemola

68P	1997 05 15.24231	14 31 35.45	−03 18 11.4	19.8 T	696
68P	1997 05 15.25218	14 31 35.01	−03 18 08.8	19.8 T	696
68P	1997 05 15.26394	14 31 34.49	−03 18 05.8		696
68P	1997 06 14.18888	14 14 51.33	−01 58 28.8	20.6 T	691
68P	1997 06 14.19282	14 14 51.27	−01 58 27.7	20.7 T	691
68P	1997 06 14.19856	14 14 51.15	−01 58 27.4	20.5 T	691

81P/Wild 2

81P	1997 01 15.64654	08 11 37.12	+17 54 32.2			897
81P	1997 01 15.65613	08 11 36.69	+17 54 34.9			897
81P	1997 04 28.02338	09 06 32.26	+19 24 05.5	11.5 T		861
81P	1997 04 28.02813	09 06 33.06	+19 24 04.6	11.7 T		861
81P	1997 05 04.03632	09 20 24.02	+18 31 18.9	11.8 T		861
81P	1997 05 04.04667	09 20 25.44	+18 31 11.6	11.8 T		861
81P	1997 05 18.86529	09 56 27.72	+15 49 56.6			954
81P	1997 05 18.87598	09 56 29.29	+15 49 48.7			954
81P	1997 05 18.88521	09 56 30.64	+15 49 41.7			954
81P	1997 05 20.87558	10 01 29.16	+15 25 00.1			954
81P	1997 05 20.88341	10 01 30.30	+15 24 54.1			954
81P	1997 05 20.89252	10 01 31.65	+15 24 46.9			954
81P	1997 05 21.89404	10 04 02.28	+15 12 05.7			954
81P	1997 05 21.92836	10 04 07.35	+15 11 39.2			954
81P	1997 05 24.46362	10 10 29.92	+14 38 53.9			422
81P	1997 05 24.46526	10 10 30.18	+14 38 52.4			422
81P	1997 05 24.46638	10 10 30.32	+14 38 51.5			422
81P	1997 05 28.47350	10 20 37.65	+13 44 47.7			900
81P	1997 05 28.48094	10 20 38.81	+13 44 41.4			900
81P	1997 05 30.18323	10 24 57.51	+13 21 04.2	17.2 N		691
81P	1997 05 30.20922	10 25 01.40	+13 20 42.3	13.0 T		691
81P	1997 05 31.53285	10 28 22.90	+13 02 02.8			353
81P	1997 05 31.53429	10 28 23.12	+13 02 02.3			353
81P	1997 05 31.53657	10 28 23.44	+13 02 00.4			353
81P	1997 06 07.52656	10 46 09.30	+11 19 55.8	12.4 T		900
81P	1997 06 07.53593	10 46 10.78	+11 19 46.6			900
81P	1997 06 11.83634	10 57 06.78	+10 14 18.6			118
81P	1997 06 11.84351	10 57 07.86	+10 14 11.9			118
81P	1997 06 11.84703	10 57 08.38	+10 14 08.7	13.4 T		118

91P/Russell 3

91P	1997 05 31.16370	11 19 25.68	−10 16 01.1	22.5 N	691
91P	1997 05 31.17509	11 19 26.14	−10 15 59.2	19.1 T	691
91P	1997 05 31.17990	11 19 26.39	−10 15 58.4	19.0 T	691

94P/Russell 4

94P	1997 01 13.70941	12 17 37.72	+07 06 50.3		897
94P	1997 01 13.72477	12 17 38.49	+07 06 48.1	16.9 T	897
94P	1997 05 22.05103	12 01 28.39	+06 59 36.4		954
94P	1997 05 22.06481	12 01 28.80	+06 59 29.7		954
94P	1997 05 22.07237	12 01 28.07	+06 59 41.4		954
94P	1997 05 26.55260	12 03 52.15	+06 23 53.0	17.1 T	360
94P	1997 05 26.55712	12 03 52.33	+06 23 50.7		360
94P	1997 06 01.16170	12 07 24.95	+05 36 38.9	19.7 N	691
94P	1997 06 01.19115	12 07 26.09	+05 36 23.6	17.7 T	691

100P/Hartley 1

100P	1997 05 21.99758	12 38 45.35	−00 35 23.9		954
100P	1997 05 22.01569	12 38 45.08	−00 35 51.7		954
100P	1997 05 22.03242	12 38 44.84	−00 36 15.4		954
100P	1997 05 26.56250	12 38 00.66	−02 26 17.9	15.9 T	360
100P	1997 05 26.56528	12 38 00.66	−02 26 22.0		360
100P	1997 06 02.18426	12 38 24.63	−05 04 09.5	19.9 N	691
100P	1997 06 02.19011	12 38 24.70	−05 04 17.6	16.3 T	691
100P	1997 06 02.19753	12 38 24.76	−05 04 28.3	16.3 T	691
100P	1997 06 10.89918	12 41 26.34	−08 25 07.1		118
100P	1997 06 10.90904	12 41 26.64	−08 25 20.1	17.2 T	118

103P/Hartley 2

103P	1997 05 15.39803	19 56 21.90	−05 24 51.2	19.8 T		696
103P	1997 05 15.40192	19 56 21.96	−05 24 49.3	19.5 T		696
103P	1997 05 15.40580	19 56 22.02	−05 24 47.0	19.7 T		696
103P	1997 05 31.70612	19 58 08.87	−03 05 08.4	19.6 T		402
103P	1997 05 31.70959	19 58 08.87	−03 05 06.9			402
103P	1997 05 31.71307	19 58 08.84	−03 05 04.3			402
103P	1997 05 31.71858	19 58 08.84	−03 05 01.1	18.7 T		360
103P	1997 05 31.72361	19 58 08.81	−03 04 58.5			360
103P	1997 06 02.05469	19 58 00.31	−02 53 31.4	19.2 T	8	557
103P	1997 06 06.66674	19 57 09.03	−02 14 00.6	19.2 T		402

103P	1997 06 06.67090	19 57 08.98	−02 13 58.3			402
103P	1997 06 06.67507	19 57 08.93	−02 13 56.1			402
103P	1997 06 07.76461	19 56 51.50	−02 04 41.4			867
103P	1997 06 07.77051	19 56 51.37	−02 04 38.0	19.5	T	867
103P	1997 06 10.00324	19 56 09.79	−01 45 48.3			118
103P	1997 06 10.01042	19 56 09.67	−01 45 44.2	18.3	T	118
103P	1997 06 10.02446	19 56 09.37	−01 45 38.4	19.4	T	046
103P	1997 06 10.02681	19 56 09.35	−01 45 36.3			046
103P	1997 06 10.02887	19 56 09.29	−01 45 35.3			046
103P	1997 06 10.99059	19 55 48.73	−01 37 31.5			557
103P	1997 06 11.08993	19 55 46.49	−01 36 40.7			954
103P	1997 06 11.11315	19 55 45.92	−01 36 29.0			954
103P	1997 06 11.13797	19 55 45.32	−01 36 16.6			954
103P	1997 06 11.99504	19 55 25.47	−01 29 10.5		7	118
103P	1997 06 12.01782	19 55 24.95	−01 28 58.3	19.1	T 7	118

104P/Kowal 2

104P	1997 05 14.46748	22 25 09.75	+05 35 00.3	19.3	T	696
104P	1997 05 14.47147	22 25 09.93	+05 35 03.1	18.9	T	696
104P	1997 05 14.47574	22 25 10.12	+05 35 05.3	19.0	T	696
104P	1997 05 15.41521	22 26 01.90	+05 44 32.3	18.9	T	696
104P	1997 05 15.42299	22 26 02.31	+05 44 36.7	19.2	T	696
104P	1997 05 15.42688	22 26 02.51	+05 44 39.2	19.4	T	696
104P	1997 05 31.72664	22 39 51.52	+08 32 12.8	18.5	T	402
104P	1997 05 31.73150	22 39 51.73	+08 32 15.8			402
104P	1997 05 31.73637	22 39 51.86	+08 32 20.4			402
104P	1997 06 07.71833	22 45 01.12	+09 45 14.4	18.6	T	402
104P	1997 06 07.75685	22 45 02.67	+09 45 38.4			402
104P	1997 06 07.75983	22 45 02.82	+09 45 40.4			402
104P	1997 06 12.72006	22 48 22.25	+10 37 34.2	17.8	T	402
104P	1997 06 12.72353	22 48 22.33	+10 37 36.2			402
104P	1997 06 12.72700	22 48 22.44	+10 37 39.0			402

116P/Wild 4

116P	1997 05 31.73090	20 01 26.65	−25 44 17.4	14.2	T	360
116P	1997 05 31.73403	20 01 26.59	−25 44 17.9			360
116P	1997 06 07.65926	19 58 41.26	−26 02 14.8	15.2	T	402
116P	1997 06 07.66204	19 58 41.17	−26 02 15.3			402
116P	1997 06 07.66481	19 58 41.08	−26 02 15.7			402
116P	1997 06 07.73592	19 58 38.89	−26 02 27.3	15.9	T	900
116P	1997 06 07.75569	19 58 38.26	−26 02 30.7			900
116P	1997 06 13.71877	19 55 16.28	−26 19 17.2			867
116P	1997 06 13.72502	19 55 16.04	−26 19 17.8			867

117P/Helin-Roman-Alu 1

117P	1997 05 15.44128	21 02 18.56	−24 29 08.4	18.0	T	696
117P	1997 05 15.44906	21 02 18.77	−24 29 09.1	18.0	T	696
117P	1997 05 15.45295	21 02 18.88	−24 29 09.4	17.8	T	696
117P	1997 06 07.69273	21 08 13.56	−25 22 17.7	17.4	T	402
117P	1997 06 07.69690	21 08 13.60	−25 22 18.6			402
117P	1997 06 07.70106	21 08 13.56	−25 22 20.7			402

121P/Shoemaker-Holt 2

121P	1997 01 10.84949	10 55 31.01	+24 39 42.0	14.9	T	897
121P	1997 01 10.85648	10 55 31.03	+24 39 45.6			897
121P	1997 05 26.51840	10 38 14.22	+27 16 20.2	16.4	T	360
121P	1997 05 26.52292	10 38 14.43	+27 16 18.0			360
121P	1997 06 15.89780	10 57 01.52	+24 19 41.0		9	118
121P	1997 06 15.90545	10 57 01.97	+24 19 36.3	17.8	T 9	118

126P/IRAS

126P	1997 01 08.46924	22 55 52.97	+17 26 43.5	14.0	T	897
126P	1997 01 08.47271	22 55 53.32	+17 26 47.0			897

130P/McNaught-Hughes

130P	1997 05 28.30030	14 50 45.48	−09 10 54.2	20.0	T	691
130P	1997 05 28.30610	14 50 45.21	−09 10 54.0	20.0	T	691
130P	1997 05 28.31591	14 50 44.76	−09 10 53.9	20.0	T	691
130P	1997 05 31.54991	14 48 25.02	−09 09 49.2	19.6	T	360
130P	1997 05 31.55955	14 48 24.59	−09 09 49.6			360
130P	1997 06 03.18516	14 46 37.95	−09 09 49.4	20.2	T	691
130P	1997 06 03.20191	14 46 37.28	−09 09 49.8	20.1	T	691
130P	1997 06 03.21440	14 46 36.76	−09 09 49.7	19.9	T	691

Note 1: involved with flaw. 2: very faint image. 3: faint image. 4: measurement difficult. 5: poor sky. 6: poor distribution of reference stars. 7: poor image. 8: weak image. 9: right ascension uncertain.

OBSERVATIONS OF MINOR PLANETS

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

A earlier approximate position inferior
a sense of motion ambiguous
B black or dark plate
b bad seeing
C correction to earlier position
c crowded star field
D declination uncertain
d diffuse image
E at or near edge of plate
F faint image
f involved with emulsion or plate flaw
G poor guiding
g no guiding
I involved with star
i inkdot measured
J J2000.0 rereduction of previously-reported position
M measurement difficult
N near edge of plate, measurement uncertain
O image out of focus
o plate measured in one direction only
P position uncertain
p poor image
R right ascension uncertain

r poor distribution of reference stars
S poor sky
s streaked image
T time uncertain
t trailed image
U uncertain image
u unconfirmed image
V very faint image
W weak image
w weak solution

Object		Date	UT	α_{2000}	δ_{2000}	Mag.		N Obs.

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

4896 P-L		1993 10 15.95625	00 20 42.27	−02 09 57.5	18.6	010
4896 P-L		1993 10 15.96667	00 20 41.90	−02 09 58.9		010
4896 P-L		1993 10 15.97743	00 20 41.37	−02 10 02.4		010

012 Uccle

T. Pauwels, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [Thierry.Pauwels@.oma.be]
0.85-m $f/2.5$ Schmidt + CCD
GSC 1.2

1996 CR_7		1997 06 09.95843	16 36 44.81	+02 27 52.5	16.8	V	012
1996 CR_7		1997 06 09.97096	16 36 44.15	+02 27 51.0	17.2	V	012
1996 CR_7		1997 06 10.00843	16 36 42.11	+02 27 48.3	17.4	V	012
1996 GE_{19}		1997 06 04.97273	16 38 20.01	+02 10 28.4	17.4	V	012
1996 GE_{19}		1997 06 04.99490	16 38 19.31	+02 10 33.4	17.1	V	012
1996 GE_{19}		1997 06 05.01571	16 38 18.65	+02 10 37.8	17.2	V	012
1996 GE_{19}		1997 06 09.95843	16 35 44.64	+02 26 40.1	16.9	V	012
1996 GE_{19}		1997 06 09.97096	16 35 44.22	+02 26 42.3	17.0	V	012
1996 GE_{19}		1997 06 10.00843	16 35 43.03	+02 26 48.7	17.3	V	012
1997 AP_{24}	*	1997 01 13.78716	04 40 42.88	+27 04 32.7	19.3	V	012
1997 AP_{24}		1997 01 13.81969	04 40 42.57	+27 04 26.1	19.0	V	012
1997 AP_{24}		1997 01 13.84329	04 40 42.39	+27 04 21.7			012
1997 AP_{24}		1997 01 14.83012	04 40 36.85	+27 01 00.6	19.5	V	012
1997 AP_{24}		1997 01 14.86045	04 40 36.65	+27 00 54.0	19.5	V	012
1997 AP_{24}		1997 01 14.89507	04 40 36.42	+27 00 46.6	19.5	V	012
1997 AQ_{24}	*	1997 01 13.78716	04 40 43.99	+27 02 18.1			012
1997 AQ_{24}		1997 01 13.81969	04 40 43.26	+27 02 21.6	19.3	V	012
1997 AQ_{24}		1997 01 13.84329	04 40 42.66	+27 02 24.8	18.9	V	012
1997 AQ_{24}		1997 01 14.83012	04 40 21.33	+27 04 34.5	19.1	V	012
1997 AQ_{24}		1997 01 14.85135	04 40 20.91	+27 04 37.8	19.0	V	012
1997 AQ_{24}		1997 01 14.86045	04 40 20.65	+27 04 39.9	18.5	V	012
1997 AQ_{24}		1997 01 14.87779	04 40 20.34	+27 04 41.3	19.3	V	012
1997 AQ_{24}		1997 01 14.89507	04 40 19.89	+27 04 43.6	19.2	V	012
1997 AQ_{24}		1997 01 14.91502	04 40 19.46	+27 04 46.4	19.8	V	012
1997 AR_{24}	*	1997 01 13.79667	04 42 32.53	+26 51 45.6	19.2	V	012
1997 AR_{24}		1997 01 14.84206	04 42 11.65	+26 52 20.8	18.7	V	012
1997 AR_{24}		1997 01 14.86841	04 42 11.12	+26 52 22.4	18.8	V	012
1997 AS_{24}	*	1997 01 13.78716	04 41 11.29	+27 17 28.4	20.0	V	012
1997 AS_{24}		1997 01 13.84329	04 41 09.76	+27 17 14.1			012
1997 AS_{24}		1997 01 14.83012	04 40 45.77	+27 12 43.8	18.9	V	012
1997 AS_{24}		1997 01 14.86045	04 40 44.94	+27 12 35.9	20.2	V	012
1997 AS_{24}		1997 01 14.89507	04 40 44.12	+27 12 26.4	19.0	V	012

033 Tautenburg

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

1993 SK_3		1995 01 06.11250	10 14 17.25	+10 38 29.7		033
1993 SK_3		1995 03 04.87639	09 35 14.97	+13 11 42.9		033
1993 SK_3		1995 03 04.91528	09 35 13.36	+13 11 49.3	17.5	033
1993 SK_3		1995 03 23.85347	09 26 59.59	+13 43 08.4		033
1993 SK_3		1995 03 29.92118	09 26 09.53	+13 45 18.9		033
1995 BQ_3		1995 03 04.87639	09 36 56.78	+14 02 34.3		033
1995 BQ_3		1995 03 04.91528	09 36 55.12	+14 02 51.2	18.5	033
1995 DE_2		1995 03 04.87639	09 36 30.44	+13 42 37.2		033
1995 DE_2		1995 03 04.91528	09 36 28.55	+13 42 43.6	18.0	033
(1898)		1995 03 04.87639	09 41 04.23	+13 29 43.8		033
(1898)		1995 03 04.91528	09 41 02.58	+13 29 52.5	17.6	033
(2927)		1995 03 04.87639	09 36 52.20	+13 33 24.6		033
(2927)		1995 03 04.91528	09 36 50.41	+13 33 44.3	17.3	033
(2949)		1995 03 04.87639	09 33 28.16	+12 37 30.9		033
(2949)		1995 03 04.91528	09 33 26.07	+12 37 46.1	17.7	033
(6244)		1995 03 04.87639	09 40 44.76	+13 53 46.7		033
(6244)		1995 03 04.91528	09 40 42.41	+13 53 52.4	17.8	033
(7668)		1995 03 04.87639	09 36 06.19	+13 10 00.7		033
(7668)		1995 03 04.91528	09 36 04.09	+13 10 13.4	18.3	033

046 Kleť

J. Tichá, Hvězdárna Kleť, Zátkovo nábřeží 4, CZ-37001 České Budějovice, Czech Republic [klet@klet.cz]
Observers J. Tichá, M. Tichý, Z. Moravec
Measurer M. Tichý
0.57-m reflector + CCD
GSC

1977 QQ_5	1997 06 08.03582	22 48 59.51	−00 22 06.0	17.9	V	046
1977 QQ_5	1997 06 08.03726	22 48 59.78	−00 22 07.0			046
1977 QQ_5	1997 06 08.03872	22 48 59.96	−00 22 06.9			046
1977 QQ_5	1997 06 08.04483	22 49 00.87	−00 22 06.1			046
1982 CE	1997 06 05.02914	20 08 33.38	−15 48 33.4	18.4	V	046
1982 CE	1997 06 05.03906	20 08 33.15	−15 48 33.7			046
1982 CE	1997 06 06.03664	20 08 17.18	−15 48 47.7	18.5	V	046
1982 CE	1997 06 06.04326	20 08 17.08	−15 48 47.2			046
1982 CE	1997 06 06.04771	20 08 17.04	−15 48 47.8			046
1982 CE	1997 06 06.05073	20 08 16.84	−15 48 47.6			046
1982 UM_2	1997 06 05.95815	17 59 34.70	−20 03 35.8	17.4	V	046
1982 UM_2	1997 06 05.96091	17 59 34.57	−20 03 36.1			046

1982 UM_2	1997 06 05.96433	17 59 34.35	−20 03 36.3			046
1982 UM_2	1997 06 08.01115	17 57 41.78	−20 03 09.8	17.6	V I	046
1982 WE	1997 06 07.93397	14 32 31.47	−13 41 57.4	18.4	V	046
1982 WE	1997 06 07.93814	14 32 31.33	−13 41 57.5			046
1982 WE	1997 06 07.94319	14 32 31.15	−13 41 57.6			046
1983 SF	1997 06 02.86279	11 09 51.79	−06 39 32.9	18.1	V	046
1983 SF	1997 06 02.86525	11 09 51.82	−06 39 32.4			046
1983 SF	1997 06 02.86896	11 09 51.87	−06 39 32.6			046
1983 SF	1997 06 04.86481	11 10 44.66	−06 39 38.9	17.9	V	046
1983 SF	1997 06 04.86676	11 10 44.72	−06 39 38.5			046
1983 SF	1997 06 04.86939	11 10 44.84	−06 39 38.4			046
1984 WA_1	1997 06 05.92902	14 34 21.99	−13 37 25.1	18.6	V	046
1984 WA_1	1997 06 05.93304	14 34 21.73	−13 37 26.4			046
1984 WA_1	1997 06 05.93573	14 34 21.60	−13 37 27.2			046
1984 WA_1	1997 06 07.93814	14 32 32.29	−13 45 21.9	18.5	V	046
1984 WA_1	1997 06 07.94020	14 32 32.19	−13 45 22.8			046
1984 WA_1	1997 06 07.94319	14 32 32.05	−13 45 23.0			046
1985 US	1997 06 02.94328	15 44 40.59	−14 06 30.5	18.3	V	046
1985 US	1997 06 02.94730	15 44 40.33	−14 06 30.2			046
1985 US	1997 06 02.95012	15 44 40.21	−14 06 30.2			046
1985 US	1997 06 04.94726	15 43 02.87	−14 03 31.2	18.3	V	046
1985 US	1997 06 04.94936	15 43 02.75	−14 03 31.3			046
1985 US	1997 06 04.96052	15 43 02.20	−14 03 30.1			046
1988 XB	1997 05 31.96075	16 14 13.95	−20 06 36.8	17.0	V	046
1988 XB	1997 05 31.96220	16 14 13.65	−20 06 37.0			046
1988 XB	1997 05 31.96356	16 14 13.42	−20 06 36.8			046
1989 BV_1	1997 06 05.94215	14 44 26.52	−19 14 03.3	18.1	V	046
1989 BV_1	1997 06 05.94640	14 44 26.39	−19 14 02.3			046
1989 BV_1	1997 06 05.95080	14 44 26.25	−19 14 01.2			046
1989 BV_1	1997 06 07.97605	14 43 27.83	−19 08 02.0	18.4	V	046
1989 BV_1	1997 06 07.98894	14 43 27.59	−19 08 00.7			046
1989 CB_4	1997 06 05.91774	14 23 06.95	−06 13 28.5	18.4	V	046
1989 CB_4	1997 06 05.92045	14 23 06.86	−06 13 28.4			046
1989 CB_4	1997 06 05.92250	14 23 06.79	−06 13 28.1			046
1989 CB_4	1997 06 07.91510	14 22 19.71	−06 12 22.2	18.6	V	046
1989 CB_4	1997 06 07.92212	14 22 19.52	−06 12 22.1			046
1989 CB_4	1997 06 07.92836	14 22 19.37	−06 12 21.4			046
1991 FH_2	1997 06 09.89932	16 09 13.65	−21 36 26.4	18.7	V	046
1991 FH_2	1997 06 09.90159	16 09 13.52	−21 36 26.4			046
1991 FH_2	1997 06 09.90359	16 09 13.43	−21 36 25.8			046
1991 FH_2	1997 06 09.90556	16 09 13.32	−21 36 25.6			046
1991 FH_2	1997 06 09.90829	16 09 13.21	−21 36 25.0			046
1991 FH_2	1997 06 10.91617	16 08 26.29	−21 34 06.1	18.7	V	046
1991 FH_2	1997 06 10.91836	16 08 26.19	−21 34 06.5			046
1991 FH_2	1997 06 10.92039	16 08 26.08	−21 34 05.8			046
1991 FH_2	1997 06 10.92273	16 08 26.00	−21 34 05.3			046
1991 VH	1997 05 25.89465	11 34 47.67	+33 43 49.7	17.5	V	046
1991 VH	1997 05 25.89738	11 34 47.88	+33 43 47.4			046
1991 VH	1997 05 25.89937	11 34 48.04	+33 43 44.9			046
1991 VH	1997 05 25.90142	11 34 48.22	+33 43 42.4			046
1991 VH	1997 06 07.85696	11 56 31.98	+29 31 59.0	17.5	V	046
1991 VH	1997 06 07.85900	11 56 32.24	+29 31 55.9			046
1991 VH	1997 06 07.86111	11 56 32.38	+29 31 53.3			046
1992 LR	1997 06 01.02694	21 06 10.76	−12 07 19.4	17.5	V	046
1992 LR	1997 06 01.03568	21 06 13.64	−12 07 01.6			046
1992 LR	1997 06 01.03698	21 06 14.07	−12 06 59.0			046
1994 XF	1997 05 31.95034	15 06 52.21	−15 20 18.6	19.0	V	046
1994 XF	1997 05 31.95238	15 06 52.12	−15 20 18.5			046
1994 XF	1997 05 31.95449	15 06 52.06	−15 20 18.2			046
1994 XF	1997 06 02.93269	15 05 29.91	−15 18 51.0	18.8	V	046
1994 XF	1997 06 02.93543	15 05 29.78	−15 18 51.2			046
1994 XF	1997 06 02.93856	15 05 29.62	−15 18 50.8			046
1996 AE	1997 06 02.91683	13 52 34.49	−13 33 30.1	18.9	V	046
1996 AE	1997 06 02.92079	13 52 34.38	−13 33 28.6			046
1996 AE	1997 06 02.92280	13 52 34.32	−13 33 28.2			046
1996 AE	1997 06 04.93111	13 51 54.57	−13 25 21.4			046
1996 AE	1997 06 04.93860	13 51 54.49	−13 25 19.5	18.9	V	046
1996 AE	1997 06 04.94291	13 51 54.41	−13 25 18.3			046
1996 BG	1997 05 31.99102	17 14 00.34	−16 38 06.7			046
1996 BG	1997 05 31.99801	17 13 59.92	−16 38 07.8			046
1996 BG	1997 06 01.00367	17 13 59.59	−16 38 08.4			046
1996 BG	1997 06 02.96699	17 12 04.76	−16 43 08.1	18.0	V	046
1996 BG	1997 06 02.96919	17 12 04.61	−16 43 08.3			046
1996 BG	1997 06 02.97484	17 12 04.29	−16 43 09.1			046
1996 DW_1	1997 06 02.98247	17 26 24.08	−26 13 21.0	16.9	V	046
1996 DW_1	1997 06 02.98480	17 26 23.92	−26 13 21.8			046
1996 DW_1	1997 06 02.98942	17 26 23.60	−26 13 21.8			046
1996 DW_1	1997 06 04.98900	17 24 11.84	−26 15 38.6			046
1997 GH_3	1997 05 25.91817	12 24 16.87	+02 37 16.0			046
1997 GH_3	1997 06 01.87906	12 46 53.37	+00 15 01.8	18.0	V	046
1997 GH_3	1997 06 01.88133	12 46 53.77	+00 14 59.0			046
1997 GH_3	1997 06 01.88365	12 46 54.18	+00 14 56.8			046
1997 GH_3	1997 06 07.90560	13 04 24.55	−01 37 12.9	18.4	V	046
1997 GH_3	1997 06 07.90688	13 04 24.77	−01 37 14.7			046
1997 GH_3	1997 06 07.90824	13 04 24.97	−01 37 15.8			046
1997 JA	1997 05 03.86727	14 35 41.61	−12 43 07.7	17.5	V	046
1997 JA	1997 05 03.87119	14 35 41.45	−12 43 06.4			046
1997 JA	1997 05 03.87389	14 35 41.35	−12 43 05.2			046
1997 JA	1997 05 04.89515	14 34 53.02	−12 39 52.0	17.5	V	046
1997 JA	1997 05 04.89701	14 34 52.92	−12 39 51.8			046
1997 JA	1997 05 04.89888	14 34 52.84	−12 39 51.6			046
1997 JA	1997 05 05.99095	14 34 01.28	−12 36 26.1	17.6	V	046
1997 JA	1997 05 05.99597	14 34 01.01	−12 36 25.2			046
1997 JA	1997 05 05.99765	14 34 01.00	−12 36 25.0			046
1997 JA	1997 05 09.89330	14 31 00.66	−12 24 31.1	17.8	V	046
1997 JA	1997 05 09.89563	14 31 00.56	−12 24 30.6			046
1997 JA	1997 05 09.89772	14 31 00.47	−12 24 30.2			046
1997 JA	1997 05 16.95051	14 25 53.01	−12 04 51.6	17.8	V	046
1997 JA	1997 05 16.95219	14 25 52.91	−12 04 51.4			046
1997 JA	1997 05 16.95722	14 25 52.75	−12 04 50.8			046
1997 JA	1997 05 16.96058	14 25 52.58	−12 04 50.3			046
1997 JA	1997 05 31.93012	14 17 18.12	−11 35 38.6	18.2	V	046
1997 JA	1997 05 31.93623	14 17 17.98	−11 35 38.5			046
1997 JA	1997 05 31.94097	14 17 17.84	−11 35 38.2			046

1997 JA		1997 06 01.89209	14 16 53.18	−11 34 30.2	18.3	V	046
1997 JA		1997 06 01.89413	14 16 53.14	−11 34 29.3			046
1997 JA		1997 06 01.90086	14 16 52.94	−11 34 28.1			046
1997 JA		1997 06 10.88418	14 13 54.73	−11 28 27.1	17.9	V	046
1997 JA		1997 06 10.88803	14 13 54.63	−11 28 27.0			046
1997 JA		1997 06 10.89666	14 13 54.49	−11 28 26.8			046
1997 LR		1997 06 05.86407	15 50 40.68	−07 14 51.4	18.7	V	046
1997 LR		1997 06 05.86862	15 50 40.40	−07 14 53.7			046
1997 LR		1997 06 05.87083	15 50 40.24	−07 14 53.1			046
1997 LR		1997 06 05.87566	15 50 39.96	−07 14 52.7			046
1997 LF_1	*	1997 06 05.97267	16 13 45.86	−21 34 35.2	19.0	V	046
1997 LF_1		1997 06 05.97466	16 13 45.70	−21 34 34.9			046
1997 LF_1		1997 06 05.97698	16 13 45.53	−21 34 35.5			046
1997 LF_1		1997 06 05.97951	16 13 45.35	−21 34 35.9			046
1997 LF_1		1997 06 05.98172	16 13 45.26	−21 34 35.7			046
1997 LF_1		1997 06 07.99796	16 11 36.77	−21 34 40.4	19.0	V	046
1997 LF_1		1997 06 08.00017	16 11 36.63	−21 34 39.9			046
1997 LF_1		1997 06 08.00245	16 11 36.51	−21 34 39.9			046
1997 LF_1		1997 06 08.00456	16 11 36.32	−21 34 40.4			046
1997 LY_4		1997 06 11.93227	19 39 39.95	−12 44 29.8	16.5	V	046
1997 LY_4		1997 06 11.93431	19 39 40.05	−12 44 26.3			046
1997 LY_4		1997 06 11.93567	19 39 40.05	−12 44 24.5			046
1997 LY_4		1997 06 11.93758	19 39 40.13	−12 44 21.1			046
1997 LY_4		1997 06 11.93891	19 39 40.15	−12 44 18.5			046
(2060)		1997 06 04.96536	13 36 51.11	−09 50 34.1	16.8	V	046
(2060)		1997 06 04.96771	13 36 51.10	−09 50 33.8			046
(2060)		1997 06 04.96965	13 36 51.09	−09 50 33.8			046
(3276)		1997 06 10.98580	16 51 11.41	−22 47 21.3	18.5	V	046
(3276)		1997 06 10.99001	16 51 11.22	−22 47 21.4			046
(3276)		1997 06 10.99644	16 51 10.90	−22 47 20.8			046
(3278)		1997 06 10.94453	16 14 53.33	−18 55 49.2	17.0	V	046
(3278)		1997 06 10.95000	16 14 53.06	−18 55 49.4			046
(3278)		1997 06 10.95534	16 14 52.81	−18 55 49.6			046
(3981)		1997 06 05.98630	16 17 13.94	−20 39 52.6	17.9	V	046
(3981)		1997 06 05.98825	16 17 13.86	−20 39 52.5			046
(3981)		1997 06 05.99029	16 17 13.74	−20 39 52.3			046
(3981)		1997 06 09.98963	16 14 10.26	−20 34 09.7	18.3	V	046
(3981)		1997 06 09.99219	16 14 10.13	−20 34 09.7			046
(3981)		1997 06 09.99479	16 14 10.03	−20 34 09.4			046
(4190)		1997 06 05.99664	16 30 02.12	−04 03 43.5	16.7	V	046
(4190)		1997 06 06.00089	16 30 01.89	−04 03 42.2			046
(4190)		1997 06 06.00309	16 30 01.78	−04 03 41.5			046
(4190)		1997 06 09.97677	16 26 40.28	−03 44 12.1	16.8	V	046
(4190)		1997 06 09.98117	16 26 40.06	−03 44 10.9			046
(4190)		1997 06 09.98417	16 26 39.91	−03 44 10.2			046
(4341)		1997 06 10.97310	16 00 44.35	−03 07 56.0	18.3	V	046
(4341)		1997 06 10.97510	16 00 44.16	−03 07 58.0			046
(4341)		1997 06 10.97815	16 00 43.87	−03 08 01.0			046
(4610)		1997 06 10.96142	16 48 43.00	−18 17 35.6	17.0	V	046
(4610)		1997 06 10.96339	16 48 42.87	−18 17 35.6			046
(4610)		1997 06 10.96956	16 48 42.50	−18 17 35.5			046
(5202)		1997 06 06.02392	20 08 04.25	−12 58 31.2	17.9	V	046
(5202)		1997 06 06.02845	20 08 04.15	−12 58 29.5			046
(5202)		1997 06 06.03134	20 08 04.06	−12 58 28.7			046
(5202)		1997 06 10.03576	20 06 31.08	−12 38 47.2	18.1	V	046
(5202)		1997 06 10.03969	20 06 30.98	−12 38 45.8			046
(5202)		1997 06 10.04242	20 06 30.89	−12 38 44.9			046
(5332)		1997 06 11.02102	16 15 26.83	+15 22 34.3	19.6	V F	046
(5332)		1997 06 11.03352	16 15 26.08	+15 22 32.2		F	046
(5757)		1997 06 10.93294	13 53 49.68	−15 40 31.9	16.8	V	046
(5757)		1997 06 10.93661	13 53 49.62	−15 40 32.7			046
(5757)		1997 06 10.93917	13 53 49.58	−15 40 33.3			046
(5757)		1997 06 11.86450	13 53 35.60	−15 43 11.4	16.4	V	046
(5757)		1997 06 11.86655	13 53 35.57	−15 43 11.1			046
(5946)		1997 06 05.97698	16 13 29.95	−21 28 50.0	18.1	V	046
(5946)		1997 06 05.97951	16 13 29.77	−21 28 49.6			046
(5946)		1997 06 05.98172	16 13 29.61	−21 28 48.4			046
(5946)		1997 06 09.88981	16 09 41.95	−21 14 48.0	18.5	V	046
(5946)		1997 06 09.91278	16 09 40.63	−21 14 43.5			046
(6064)		1997 06 11.00333	16 53 09.70	−10 53 07.1	16.9	V	046
(6064)		1997 06 11.00755	16 53 09.47	−10 53 07.1			046
(6064)		1997 06 11.00980	16 53 09.33	−10 53 07.1			046
(6064)		1997 06 11.01380	16 53 09.10	−10 53 07.1			046
(6189)		1997 06 05.95815	17 59 13.94	−20 03 16.7	16.0	V	046
(6189)		1997 06 05.96091	17 59 13.78	−20 03 16.0			046
(6189)		1997 06 05.96743	17 59 13.41	−20 03 14.0			046
(6765)		1997 06 06.00701	17 20 48.31	−17 12 01.6	18.6	V	046
(6765)		1997 06 06.00899	17 20 48.18	−17 12 01.7			046
(6765)		1997 06 06.01097	17 20 48.06	−17 12 02.0			046
(6765)		1997 06 10.00131	17 16 35.72	−17 09 37.5	18.4	V	046
(6765)		1997 06 10.00559	17 16 35.47	−17 09 37.2			046
(6765)		1997 06 10.00789	17 16 35.30	−17 09 37.3			046

098 Asiago Observatory, Cima Ekar

U. Munari, Osservatorio Astronomico di Padova, Sede di Asiago, I-36012 Asiago (VI), Italy [munari@astras.pd.astro.it]
Observer U. Munari
Measurers M. Tombelli, G. Forti
0.67-m $f/3.2$ Schmidt

1996 AD_4	1997 05 30.01671	17 49 56.39	−16 54 18.0		098
1996 AD_4	1997 05 30.03407	17 49 55.58	−16 54 12.4		098
1996 CV_7	1997 05 06.89537	15 53 04.53	−03 15 00.1		098
1996 CV_7	1997 05 06.91273	15 53 03.67	−03 14 58.7		098
1996 CV_7	1997 05 08.91712	15 51 34.73	−03 07 09.2		098
1996 CV_7	1997 05 08.93506	15 51 34.05	−03 07 09.2	17.5 V	098

104 San Marcello Pistoiese

L. Tesi, Osservatorio di Pian dei Termini, Viale Panoramico 45, I-51028 San Marcello Pistoiese (PT), Italy [iau@arcetri.astro.it]
Observers L. Tesi, G. Cattani, A. Boattini
Measurers L. Tesi, G. Forti, A. Boattini
0.40-m $f/5$ reflector + CCD
GSC

1994 QC	1997 05 28.86736	17 14 01.94	+43 45 51.2		104
1994 QC	1997 05 28.87188	17 14 01.92	+43 45 53.0		104

1994 QC	1997 05 28.87674	17 14 01.89	+43 45 55.1		104
1996 GG_2	1997 05 28.97188	16 17 21.78	−22 30 13.3	18.3 V	104
1996 GG_2	1997 05 28.97674	16 17 21.52	−22 30 12.5		104
1996 GG_2	1997 05 28.99079	16 17 20.69	−22 30 10.6		104
1997 GR_5	1997 05 28.83750	11 56 54.31	+08 24 47.5		104
1997 GR_5	1997 05 28.84306	11 56 54.56	+08 24 44.4		104
1997 GR_5	1997 05 28.84734	11 56 54.73	+08 24 42.4		104
1997 GR_5	1997 05 29.89213	11 57 44.10	+08 15 43.5		104
1997 GR_5	1997 05 29.89792	11 57 44.35	+08 15 40.6		104
1997 GR_5	1997 05 29.90313	11 57 44.61	+08 15 38.1		104
1997 JR_9	1997 06 15.00313	15 59 41.03	−00 43 33.4	19.2 V	104
1997 JR_9	1997 06 15.01354	15 59 40.65	−00 43 36.7	19.1 V	104
1997 KU_2	1997 06 14.98611	16 00 17.66	−00 47 46.5	18.2 V	104
1997 KU_2	1997 06 14.99514	16 00 17.26	−00 47 49.1	18.1 V	104
1997 LG_6	1997 06 15.05177	23 13 45.56	+08 04 18.1	17.8 V	104
1997 LG_6	1997 06 15.05625	23 13 45.95	+08 04 21.8	17.8 V	104

108 Montelupo

M. Tombelli, Via Bozzeto 26, I-50056 Montelupo (Fi), Italy
[iau@arcetri.astro.it]

Observers M. Tombelli, G. Forti
0.30-m $f/5.7$ Schmidt-Cassegrain + CCD
GSC

1994 QC	1997 05 30.96733	17 13 54.53	+43 58 56.1		108
1994 QC	1997 05 30.98475	17 13 54.29	+43 59 02.6		108
1994 QC	1997 05 30.99918	17 13 53.78	+43 59 07.0	18.5 V	108
1996 AD_4	1997 05 31.03229	17 49 09.31	−16 49 18.9		108
1996 AD_4	1997 05 31.05569	17 49 08.20	−16 49 09.9	16.0 V	108
1996 CR_7	1997 05 27.93669	16 48 19.53	+02 24 43.6		108
1996 CR_7	1997 05 27.98001	16 48 17.21	+02 24 48.5	16.8 V	108
1996 CR_7	1997 05 30.89894	16 45 43.00	+02 29 05.0		108
1996 CR_7	1997 05 30.92089	16 45 41.85	+02 29 07.4	17.0 V	108
1996 CV_7	1997 05 27.89072	15 36 46.84	−02 19 25.1		108
1996 CV_7	1997 05 27.89974	15 36 46.34	−02 19 22.9		108
1996 CV_7	1997 05 27.91485	15 36 45.72	−02 19 24.4	17.5 V	108
1996 CV_7	1997 05 27.92627	15 36 45.14	−02 19 22.4		108
1996 CX_7	1997 05 31.02940	17 48 29.75	−14 44 17.8		108
1996 CX_7	1997 05 31.04230	17 48 28.89	−14 44 18.7		108
1996 CX_7	1997 05 31.04815	17 48 28.71	−14 44 19.1	16.8 V	108
1996 CS_8	1997 05 30.90760	16 28 07.85	−13 20 44.6		108
1996 CS_8	1997 05 30.92888	16 28 06.59	−13 20 44.1		108
1996 CS_8	1997 05 30.94688	16 28 05.84	−13 20 44.1	16.5 V	108
(4036)	1997 05 02.88274	15 04 35.22	−10 17 28.9		108
(4036)	1997 05 02.88830	15 04 34.83	−10 17 28.0		108
(4036)	1997 05 02.89594	15 04 34.37	−10 17 26.1	17.0 V	108
(4575)	1997 05 27.89072	15 36 17.56	−02 21 19.4		108
(4575)	1997 05 27.89974	15 36 17.20	−02 21 19.1		108
(4575)	1997 05 27.91485	15 36 16.56	−02 21 18.3		108
(4575)	1997 05 27.92627	15 36 15.97	−02 21 16.9	16.5 V	108
(6876)	1997 05 31.02456	17 48 07.69	−17 47 22.7		108
(6876)	1997 05 31.03553	17 48 07.05	−17 47 20.6	16.3 V	108

115 Zelenchukskaya

Yu. N. Gnedin, Pulkovo Observatory, Russian Academy of Sciences, 196140 St. Petersburg, Russia [gnedin@pulkovo.spb.su]

Observers N. A. Tikhonov, K. L. Maslennikov, S. V. Zharikov
Measurers K. L. Maslennikov, O. P. Bykov
6-m reflector + CCD
APM

1993 SC	1996 07 13.94056	00 19 52.54	+03 05 19.4	23.0 V	115
1993 SC	1996 07 14.01441	00 19 52.50	+03 05 19.3		115
1993 SC	1996 07 14.95207	00 19 51.81	+03 05 18.2		115
1993 SC	1996 07 14.96080	00 19 51.79	+03 05 18.2		115
1993 SC	1996 07 14.96898	00 19 51.79	+03 05 18.2		115
1993 SC	1996 07 14.97710	00 19 51.78	+03 05 18.0		115

118 Modra

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

Observers Š. Gajdoš, A. Galád, D. Kalmančok, P. Kolény, L. Kornoš, A. Pravda
Measurers A. Galád, A. Pravda
0.6-m $f/5.5$ reflector + CCD
GSC

1988 XB	1997 06 05.00199	16 00 34.78	−20 10 42.6			118
1988 XB	1997 06 05.01153	16 00 32.56	−20 10 42.5			118
1988 XB	1997 06 05.01624	16 00 31.47	−20 10 42.6			118
1988 XB	1997 06 15.86438	15 07 50.37	−20 01 15.8	16.7 R		118
1988 XB	1997 06 15.86897	15 07 48.62	−20 01 15.1			118
1988 XB	1997 06 15.87140	15 07 47.69	−20 01 14.2			118
1994 QC	1997 06 15.93154	17 11 39.52	+43 08 53.0			118
1994 QC	1997 06 15.93493	17 11 39.40	+43 08 50.4	17.2 R		118
1994 WP_3	1997 06 05.03262	17 07 20.15	−17 20 15.4			118
1994 WP_3	1997 06 05.03554	17 07 19.93	−17 20 15.6	18.8 R		118
1994 WP_3	1997 06 05.03844	17 07 19.73	−17 20 16.2			118
1994 WP_3	1997 06 08.04051	17 03 56.69	−17 27 23.0	18.3 R		118
1994 WP_3	1997 06 08.04238	17 03 56.51	−17 27 23.8			118
1994 WP_3	1997 06 08.04546	17 03 56.33	−17 27 23.9			118
1994 YR	1997 05 20.01220	16 11 21.42	−16 26 34.9			118
1994 YR	1997 05 20.01583	16 11 21.22	−16 26 33.8			118
1994 YR	1997 05 20.02044	16 11 20.92	−16 26 34.3			118
1994 YR	1997 06 04.95872	15 55 16.32	−16 01 47.1	18.3 R		118
1994 YR	1997 06 04.96997	15 55 15.65	−16 01 46.3			118
1994 YR	1997 06 04.97633	15 55 15.24	−16 01 46.0			118
1995 YV	1997 06 04.98301	15 59 22.65	−14 26 56.6			118
1995 YV	1997 06 04.98738	15 59 22.41	−14 26 58.2	19.3 R		118
1995 YV	1997 06 04.99087	15 59 22.11	−14 26 57.5			118
1995 YV	1997 06 09.93513	15 54 38.21	−14 26 05.0		p	118
1995 YV	1997 06 09.93826	15 54 38.01	−14 26 05.0	19.4 R	p	118
1995 YV	1997 06 10.92561	15 53 44.15	−14 26 09.1	19.5 R	p	118
1995 YV	1997 06 10.92880	15 53 43.97	−14 26 09.4		p	118
1996 DV	1997 05 31.98204	16 59 38.60	−05 14 31.6		r	118
1996 DV	1997 05 31.98513	16 59 38.44	−05 14 30.7		r	118
1996 DV	1997 05 31.99198	16 59 38.16	−05 14 30.0		r	118
1996 DV	1997 06 01.95523	16 58 53.88	−05 13 24.6			118

1996 DV	1997 06 01.96258	16 58 53.51	−05 13 23.9				118
1996 DV	1997 06 01.96692	16 58 53.33	−05 13 23.8	18.7	R		118
1996 DV	1997 06 08.00630	16 54 13.83	−05 09 19.9	18.6	R		118
1996 DV	1997 06 08.01647	16 54 13.38	−05 09 19.7				118
1996 DV	1997 06 08.02075	16 54 13.15	−05 09 19.6				118
1996 DD_1	1997 06 01.89565	15 19 06.57	+12 51 34.2				118
1996 DD_1	1997 06 01.90628	15 19 06.05	+12 51 31.0	19.1	R		118
1996 ER_2	1997 06 13.96887	19 17 27.40	−20 44 30.0			I	118
1996 ER_2	1997 06 13.97054	19 17 27.36	−20 44 30.2			I	118
1996 ER_2	1997 06 16.00530	19 15 50.58	−20 44 48.0			c	118
1996 ER_2	1997 06 16.00744	19 15 50.52	−20 44 49.0			c	118
1996 ER_2	1997 06 16.00951	19 15 50.36	−20 44 48.6	18.6	R	c	118
1997 BR	1997 05 19.94713	09 10 27.65	+75 01 15.7				118
1997 BR	1997 05 19.95213	09 10 27.81	+75 01 19.5				118
1997 BR	1997 05 25.87447	09 11 53.98	+76 26 47.2				118
1997 BR	1997 05 25.87795	09 11 53.84	+76 26 49.9				118
1997 BR	1997 05 25.88090	09 11 53.66	+76 26 52.6				118
1997 FG_1	1997 05 27.84376	11 29 57.91	+13 56 23.8				118
1997 FG_1	1997 05 27.84632	11 29 58.07	+13 56 21.8	17.7	R		118
1997 FG_1	1997 06 01.84088	11 35 18.34	+13 11 31.4				118
1997 FG_1	1997 06 01.84728	11 35 18.78	+13 11 28.2	18.3	R		118
1997 FG_1	1997 06 10.86678	11 45 54.50	+11 43 44.2			r	118
1997 FG_1	1997 06 10.87230	11 45 54.88	+11 43 40.7	18.3	R	r	118
1997 FG_1	1997 06 10.87506	11 45 55.11	+11 43 38.7			r	118
1997 GH_3	1997 05 27.91473	12 31 03.86	+01 55 00.1				118
1997 GH_3	1997 05 27.91742	12 31 04.34	+01 54 56.5	18.0	R		118
1997 GH_3	1997 05 27.94961	12 31 10.73	+01 54 16.1				118
1997 GH_3	1997 06 09.86763	13 09 46.82	−02 11 45.3				118
1997 GH_3	1997 06 09.87549	13 09 48.07	−02 11 53.8	18.4	R		118
1997 GC_{32}	1997 05 20.06770	20 56 26.41	+19 08 50.0	17.0	R		118
1997 GC_{32}	1997 05 20.06874	20 56 27.41	+19 08 56.1				118
1997 GC_{32}	1997 05 20.06956	20 56 28.22	+19 09 01.2				118
1997 HA_1	1997 05 27.86557	13 25 27.21	−02 42 24.4			R	118
1997 HA_1	1997 05 27.89076	13 25 26.58	−02 42 35.2			R	118
1997 HA_1	1997 06 01.86240	13 24 02.30	−03 18 03.4				118
1997 HA_1	1997 06 01.87221	13 24 02.18	−03 18 08.3	19.0	R		118
1997 HA_1	1997 06 09.90269	13 23 13.40	−04 20 04.0			F	118
1997 HA_1	1997 06 09.92247	13 23 13.41	−04 20 13.0	19.5	R	F	118
(1627)	1997 05 19.88939	08 35 51.78	+20 47 15.4				118
(1627)	1997 05 19.89457	08 35 52.14	+20 47 13.9				118
(1866)	1997 06 04.86241	11 31 44.57	+45 57 21.5				118
(1866)	1997 06 04.87060	11 31 44.78	+45 57 13.5				118
(3671)	1997 06 07.93293	12 47 33.38	+16 13 45.0			r	118
(3671)	1997 06 07.94495	12 47 31.68	+16 13 07.4			r	118
(5332)	1997 06 07.98290	16 18 27.81	+15 33 11.0				118
(5332)	1997 06 07.98953	16 18 27.50	+15 33 10.0				118

121 Kharkov University, Chuguevskaya Station

Yu. N. Krugly, Astronomical Observatory of the Kharkov State University, Sumskaya Str. 35, UA-310022 Kharkov, Ukraine [krugly@astron.kharkov.ua]

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

(1980)	1997 06 12.95866	19 00 21.79	+09 24 09.3				121
(1980)	1997 06 12.96149	19 00 21.63	+09 24 18.6				121
(4341)	1997 05 16.88850	17 04 33.64	+04 47 26.0				121
(4341)	1997 05 16.89844	17 04 31.44	+04 47 13.8				121
(4341)	1997 05 16.94999	17 04 20.22	+04 46 12.5				121
(4341)	1997 05 16.95508	17 04 19.09	+04 46 05.9				121
(4341)	1997 05 16.96499	17 04 16.95	+04 45 54.2				121
(4341)	1997 06 01.83792	16 17 56.60	−00 26 38.1				121
(4341)	1997 06 01.89218	16 17 49.08	−00 27 38.5				121
(4341)	1997 06 01.89567	16 17 48.59	−00 27 42.5				121
(7482)	1997 06 10.99166	20 06 07.86	+28 27 36.7				121
(7482)	1997 06 10.99498	20 06 07.40	+28 27 29.3				121

124 Castres

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

0.20-m $f/6.15$ reflector + CCD
GSC

1991 VE_5		1997 05 29.01913	16 52 09.26	−17 47 46.7	18.0			124
1991 VE_5		1997 05 29.02347	16 52 08.95	−17 47 46.1	17.9			124
1991 VE_5		1997 05 29.02778	16 52 08.66	−17 47 45.9	17.9			124
1991 VE_5		1997 05 29.03209	16 52 08.41	−17 47 44.9	17.9			124
1994 QW		1997 06 08.91497	17 03 42.28	−09 50 12.6	18.1			124
1994 QW		1997 06 08.92792	17 03 41.45	−09 50 12.7	18.2			124
1994 QW		1997 06 08.93654	17 03 40.91	−09 50 12.5	17.9			124
1994 YR		1997 05 28.96902	16 02 19.02	−16 11 38.2	18.4			124
1994 YR		1997 05 28.98196	16 02 18.34	−16 11 35.5	18.2			124
1995 YD_1		1997 05 30.91454	15 38 17.79	−07 14 05.1	17.8		F	124
1995 YD_1		1997 05 30.92316	15 38 17.21	−07 14 04.3	17.3			124
1997 LG_1	*	1997 06 07.96648	16 15 02.31	−02 03 39.0	18.4			124
1997 LG_1		1997 06 07.98278	16 15 01.47	−02 03 41.6	17.7			124
1997 LG_1		1997 06 08.02473	16 14 58.95	−02 03 45.7	18.3			124
1997 LG_1		1997 06 08.04199	16 14 57.91	−02 03 47.6	18.4			124
1997 LG_1		1997 06 08.88478	16 14 10.03	−02 05 22.4	18.7			124
1997 LG_1		1997 06 08.88909	16 14 09.73	−02 05 22.6	18.4			124
1997 LG_1		1997 06 08.89772	16 14 09.36	−02 05 24.3	18.7			124
(3116)		1997 05 30.86872	13 07 43.70	−01 12 10.0	17.1			124
(3116)		1997 05 30.88427	13 07 43.47	−01 12 12.0	17.3			124

127 Bornheim

N. Ehring, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehring@t-online.de]

0.19-m $f/4$ FFC + CCD
GSC

1981 RC_5	1997 05 24.98806	16 33 08.73	+01 06 04.1	127
1981 RC_5	1997 05 24.99705	16 33 08.25	+01 06 07.0	127
1986 JA	1997 05 12.97135	15 50 29.87	+03 16 11.0	127
1986 JA	1997 05 12.97483	15 50 29.70	+03 16 12.6	127
1986 JA	1997 05 23.93900	15 41 32.37	+04 12 05.3	127
1986 JA	1997 05 23.95098	15 41 31.74	+04 12 07.9	127
1986 JA	1997 05 24.97598	15 40 41.97	+04 15 13.2	127
1986 JA	1997 05 24.98328	15 40 41.59	+04 15 14.2	127
1986 JA	1997 05 28.96191	15 37 34.17	+04 23 36.4	127

1986 JA		1997 05 28.96941	15 37 33.82	+04 23 36.9			127
1991 AN_2		1997 05 24.99942	16 13 14.50	+09 08 36.4			127
1991 AN_2		1997 05 25.00654	16 13 14.11	+09 08 37.3			127
1991 AN_2		1997 05 28.98506	16 09 40.21	+09 15 04.5			127
1991 AN_2		1997 05 28.99030	16 09 39.91	+09 15 04.9			127
1992 AN		1997 05 12.95613	15 14 16.97	+18 05 19.9			127
1992 AN		1997 05 12.96111	15 14 16.67	+18 05 20.2			127
1997 KC	*	1997 05 24.94405	14 59 28.41	+04 15 45.0	16.6		127
1997 KC		1997 05 24.94757	14 59 28.16	+04 15 43.3	16.5		127
1997 KC		1997 05 24.95110	14 59 28.03	+04 15 42.2	16.2		127
1997 KC		1997 05 28.90948	14 56 21.05	+03 38 35.0	16.5		127
1997 KC		1997 05 28.94537	14 56 19.33	+03 38 13.9	16.6		127
1997 KC		1997 05 29.91055	14 55 36.94	+03 28 26.7	16.6	R	127
1997 KC		1997 05 29.91427	14 55 36.66	+03 28 24.0	16.5	R	127
1997 KC		1997 05 29.91895	14 55 36.55	+03 28 21.4	16.2	R	127
1997 KC		1997 05 29.92241	14 55 36.39	+03 28 19.7	16.3	R	127
1997 KC		1997 05 29.92597	14 55 36.30	+03 28 16.8	16.8	R	127
1997 KC		1997 05 29.93795	14 55 35.70	+03 28 09.8	16.9	R	127
1997 KC		1997 05 29.94455	14 55 35.19	+03 28 06.8	16.8	R	127
1997 KC		1997 05 31.91280	14 54 13.94	+03 07 25.1	16.5	R	127
1997 KC		1997 05 31.92089	14 54 13.47	+03 07 20.7			127
1997 KC		1997 05 31.92756	14 54 13.15	+03 07 15.9			127
1997 KC		1997 05 31.93108	14 54 12.98	+03 07 14.4			127
1997 KC		1997 05 31.93530	14 54 12.90	+03 07 11.5			127
1997 KC		1997 05 31.93947	14 54 12.65	+03 07 08.7			127
1997 KC		1997 05 31.94421	14 54 12.42	+03 07 06.1			127
1997 KC		1997 05 31.94855	14 54 12.29	+03 07 02.9			127
1997 KC		1997 05 31.95222	14 54 12.07	+03 06 59.7			127
1997 KC		1997 05 31.95926	14 54 11.87	+03 06 55.3			127
1997 KC		1997 06 01.90483	14 53 34.93	+02 56 37.3	16.8	R	127
1997 KC		1997 06 01.91244	14 53 34.72	+02 56 31.9			127
1997 KC		1997 06 01.92081	14 53 34.24	+02 56 26.3			127
1997 KC		1997 06 01.92442	14 53 34.20	+02 56 24.4			127
1997 KC		1997 06 01.93704	14 53 33.68	+02 56 14.6			127
1997 KC		1997 06 01.94421	14 53 33.37	+02 56 11.1			127
1997 KC		1997 06 01.94780	14 53 33.19	+02 56 08.1			127
1997 KC		1997 06 03.89874	14 52 21.96	+02 34 07.2	17.2	R	127
1997 KC		1997 06 03.90278	14 52 21.69	+02 34 03.3			127
1997 KC		1997 06 03.90928	14 52 21.38	+02 33 57.7			127
1997 KC		1997 06 03.91547	14 52 21.35	+02 33 54.6			127
1997 KC		1997 06 03.92707	14 52 20.92	+02 33 46.4			127
1997 KC		1997 06 03.93021	14 52 20.79	+02 33 45.2			127
1997 KC		1997 06 03.93565	14 52 20.71	+02 33 43.3			127
1997 KC		1997 06 05.93756	14 51 14.42	+02 10 06.0	16.4	R	127
1997 KC		1997 06 05.94164	14 51 14.34	+02 10 03.7			127
1997 KC		1997 06 05.94531	14 51 14.18	+02 10 02.8			127
1997 KC		1997 06 05.94959	14 51 14.04	+02 09 58.7			127
(1127)		1997 05 12.91941	15 10 39.52	+03 59 02.1			127
(1127)		1997 05 12.92303	15 10 39.33	+03 59 02.5			127
(1127)		1997 05 23.89970	15 01 34.47	+04 14 28.5			127
(1127)		1997 05 23.91383	15 01 33.78	+04 14 29.1			127
(1127)		1997 05 24.94405	15 00 45.71	+04 14 52.5			127
(1127)		1997 05 24.95110	15 00 45.36	+04 14 52.5			127
(1127)		1997 05 28.91234	14 57 46.48	+04 14 32.9			127
(1127)		1997 05 28.91774	14 57 46.25	+04 14 32.9			127
(3642)		1997 05 12.91941	15 10 21.33	+04 04 31.2			127
(3642)		1997 05 12.92303	15 10 21.14	+04 04 31.6			127
(3642)		1997 05 12.92647	15 10 20.97	+04 04 31.9			127
(3642)		1997 05 23.89970	15 01 41.46	+04 11 20.1			127
(3642)		1997 05 23.90909	15 01 41.04	+04 11 19.6			127
(3642)		1997 05 24.94405	15 00 55.73	+04 10 40.2			127
(3642)		1997 05 24.95110	15 00 55.44	+04 10 39.8			127
(3642)		1997 05 28.91234	14 58 10.61	+04 05 47.1			127
(3642)		1997 05 28.91939	14 58 10.32	+04 05 46.6			127

130 Lumezzane
S. Foglia, F. Bisleri 11, I-20418 Milan, Italy [md3576@mclink.it]
Observers W. Marinello, G. Pizzetti
Measurer S. Foglia
0.40-m $f/6.5$ reflector + CCD
GSC

(2060)	1997 05 03.00174	13 43 33.76	−10 41 24.3			130

132 Bedoin
A. Klotz, 82 Rue Maroulet, F-81100 Castres, France [klotz@irsamc1.ups-tlse.fr]
Observer P. Antonini
0.16-m $f/3.3$ reflector + CCD
GSC

1997 LG_1	1997 06 09.94778	16 13 09.98	−02 07 38.6	18.2		132
1997 LG_1	1997 06 09.98361	16 13 07.92	−02 07 45.4	17.9		132
1997 LG_1	1997 06 11.90644	16 11 22.08	−02 12 44.7	18.4		132
1997 LG_1	1997 06 11.94908	16 11 19.79	−02 12 50.1	18.6		132
1997 LG_1	1997 06 11.99414	16 11 17.26	−02 12 58.5	18.4		132

133 Les Tardieux
M. Boeuf, Les Tardieux, St Julien, F-13500 Martigues, France [Michel.Boeuf@wanadoo.fr]
0.20-m $f/6.3$ reflector + CCD
GSC

1997 FR_1	1997 05 26.85459	12 05 48.25	+13 23 46.2	17.1		133
1997 FR_1	1997 05 26.87825	12 05 48.98	+13 23 30.7	17.1		133

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

1997 GL_{34}	1997 05 07.09860	12 47 48.07	−03 26 42.0	17.6		292
1997 GL_{34}	1997 05 07.11946	12 47 47.55	−03 26 40.9			292
1997 GL_{34}	1997 05 07.14027	12 47 46.96	−03 26 40.8			292
1997 JO_{18}	* 1997 05 08.20940	15 18 45.83	−11 41 36.2			292
1997 JO_{18}	1997 05 08.22603	15 18 44.99	−11 41 39.7	17.8		292
1997 JO_{18}	1997 05 11.28958	15 15 43.68	−11 52 06.7	17.9		292
1997 JO_{18}	1997 05 11.31213	15 15 42.34	−11 52 11.1			292
1997 JO_{18}	1997 05 11.32882	15 15 41.33	−11 52 14.3			292
1997 JO_{18}	1997 05 17.13264	15 09 58.32	−12 13 22.4			292

1997 JO_{18}	1997 05 17.14931	15 09 57.35	−12 13 25.4		292
1997 JO_{18}	1997 05 17.16597	15 09 56.35	−12 13 28.3	17.6	292
1997 JO_{18}	1997 05 28.14582	14 59 44.37	−12 58 22.8	18.1	292
1997 JO_{18}	1997 05 28.18403	14 59 42.36	−12 58 33.5		292

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 H. J. Yan, Z. Y. Zheng, L. C. Deng, X. Zhou, J. Zhu, L. J. Ma, Y. J. Chen, X. Y. Li, C. M. Ma, R. Chen, H. J. Chen
Measurers C. M. Ma, Y. J. Chen, X. Y. Li, J. Zhu
0.60-m Schmidt + CCD

1974 XW	1997 05 03.59418	11 38 16.03	+09 22 31.1		327
1974 XW	1997 05 03.61802	11 38 15.98	+09 22 26.3		327
1974 XW	1997 05 03.63244	11 38 15.91	+09 22 24.0	18.0	327
1989 SZ_4	1997 04 28.52078	08 56 47.99	+21 36 36.0	18.3	327
1989 SZ_4	1997 04 28.53171	08 56 48.81	+21 36 30.7		327
1989 SZ_4	1997 04 28.54240	08 56 49.58	+21 36 26.1		327
1990 OK_3	1996 01 18.77326	09 49 06.77	+13 51 54.2	19.2 V	327
1990 OK_3	1996 01 18.78193	09 49 06.36	+13 51 56.6		327
1990 OK_3	1996 01 18.79064	09 49 05.93	+13 51 59.0		327
1992 DY_7	1997 05 08.61664	14 30 11.95	−11 56 28.8		327
1992 DY_7	1997 05 08.62671	14 30 11.39	−11 56 27.2	17.8	327
1992 DY_7	1997 05 08.63720	14 30 10.85	−11 56 25.8		327
1994 PX	1997 05 03.58932	11 41 45.77	+11 23 34.9		327
1994 PX	1997 05 03.61316	11 41 45.39	+11 23 37.0	19.0	327
1994 PX	1997 05 03.62780	11 41 45.28	+11 23 38.5		327
1994 XS	1997 05 18.72917	15 42 52.81	−08 13 00.1		327
1994 XS	1997 05 18.73881	15 42 52.32	−08 12 59.8		327
1994 XS	1997 05 18.74843	15 42 51.93	−08 12 57.9	17.9	327
1995 VA_2	1997 05 20.57198	10 55 44.98	+17 41 18.1		327
1995 VA_2	1997 05 20.57657	10 55 45.28	+17 41 14.9		327
1995 VA_2	1997 05 20.58124	10 55 45.50	+17 41 12.7	18.4	327
1995 VA_2	1997 05 20.58595	10 55 45.60	+17 41 09.4		327
1995 VU_{18}	1997 05 21.57505	14 34 55.53	+00 56 33.3		327
1995 VU_{18}	1997 05 21.58492	14 34 55.14	+00 56 33.1		327
1995 VU_{18}	1997 05 21.59244	14 34 54.82	+00 56 33.1	17.0	327
1995 VU_{18}	1997 05 22.72868	14 34 09.78	+00 56 12.2		327
1995 VU_{18}	1997 05 22.73338	14 34 09.59	+00 56 12.1	15.9	327
1995 VU_{18}	1997 05 22.73813	14 34 09.39	+00 56 12.4		327
1995 XB_2	1997 05 29.53565	09 29 12.87	+16 47 40.2		327
1995 XB_2	1997 05 29.54572	09 29 13.48	+16 47 35.5	19.9	327
1995 XB_2	1997 05 29.55074	09 29 14.08	+16 47 32.3		327
1996 AN_{15}	1997 05 28.76876	19 42 17.69	−14 30 21.1	19.9	327
1996 AN_{15}	1997 05 28.77312	19 42 17.66	−14 30 21.4		327
1996 AN_{15}	1997 05 28.77748	19 42 17.64	−14 30 22.0		327
1996 AN_{15}	1997 05 29.76840	19 42 07.53	−14 31 07.3		327
1996 AN_{15}	1997 05 29.77274	19 42 07.40	−14 31 07.3	18.9	327
1996 AN_{15}	1997 05 29.78139	19 42 07.32	−14 31 07.4		327
1996 AN_{15}	1997 05 29.78573	19 42 07.29	−14 31 07.4		327
1996 AJ_{20}	* 1996 01 03.74178	08 27 41.15	+11 19 51.9		327
1996 AJ_{20}	1996 01 03.75574	08 27 40.59	+11 19 52.9		327
1996 AJ_{20}	1996 01 03.77066	08 27 39.98	+11 19 53.0	18.4 V	327
1996 CC	1997 03 14.53133	09 38 34.72	+42 51 18.1	18.4	327
1996 CC	1997 03 14.54287	09 38 34.19	+42 51 15.4		327
1996 CC	1997 03 26.57941	09 32 44.83	+41 45 44.4		327
1996 CC	1997 03 26.58407	09 32 44.69	+41 45 42.8		327
1996 CC	1997 03 26.58891	09 32 44.67	+41 45 41.0		327
1996 CC	1997 03 26.59361	09 32 44.54	+41 45 39.2	18.6	327
1996 CC	1997 04 30.50319	09 39 22.08	+36 43 41.0		327
1996 CC	1997 04 30.50812	09 39 22.31	+36 43 38.4		327
1996 CC	1997 04 30.51247	09 39 22.51	+36 43 34.9	19.0	327
1996 CC	1997 04 30.51686	09 39 22.64	+36 43 32.8		327
1996 CC	1997 05 03.54068	09 41 17.77	+36 13 12.2		327
1996 CC	1997 05 03.54502	09 41 17.90	+36 13 09.0		327
1996 CC	1997 05 03.54942	09 41 18.09	+36 13 07.2	18.7	327
1996 CC	1997 05 03.55383	09 41 18.20	+36 13 05.4		327
1996 CL	1997 05 18.76288	17 46 37.48	−20 17 40.2		327
1996 CL	1997 05 18.77520	17 46 36.95	−20 17 40.4		327
1996 CL	1997 05 18.78514	17 46 36.53	−20 17 41.0		327
1996 CL	1997 05 18.79444	17 46 36.08	−20 17 41.7	17.7	327
1996 CL	1997 05 19.73422	17 45 55.91	−20 18 19.5		327
1996 CL	1997 05 19.73885	17 45 55.82	−20 18 19.6	17.5	327
1996 CL	1997 05 19.74355	17 45 55.60	−20 18 19.3		327
1996 CL	1997 05 28.71707	17 38 37.58	−20 24 55.0	17.1 V	327
1996 CL	1997 05 28.72668	17 38 37.06	−20 24 55.5		327
1996 CL	1997 05 29.75902	17 37 41.08	−20 25 43.0		327
1996 CL	1997 05 29.76334	17 37 40.84	−20 25 43.0	18.3	327
1996 EW_2	1997 06 14.79959	23 05 02.18	−07 29 32.9	17.3	327
1996 EW_2	1997 06 14.80392	23 05 02.45	−07 29 30.8		327
1996 EW_2	1997 06 14.80838	23 05 02.76	−07 29 28.4		327
1996 EW_2	1997 06 14.81271	23 05 03.04	−07 29 26.7		327
1996 FO_5	1997 06 01.79424	20 46 44.87	−30 36 13.4	19.3	327
1996 FO_5	1997 06 01.80725	20 46 44.88	−30 36 16.7		327
1996 FO_5	1997 06 08.78162	20 46 04.89	−31 08 08.3		327
1996 FO_5	1997 06 08.78602	20 46 04.87	−31 08 09.3		327
1996 FO_5	1997 06 08.79076	20 46 04.76	−31 08 09.7		327
1996 FO_5	1997 06 08.79609	20 46 04.63	−31 08 11.0	19.0	327
1996 YU_1	1997 04 28.51531	08 13 30.84	+26 51 32.7		327
1996 YU_1	1997 04 28.52626	08 13 31.50	+26 51 31.1	18.4	327
1996 YU_1	1997 04 28.53714	08 13 32.13	+26 51 29.3		327
1996 YU_1	1997 05 02.51177	08 17 37.44	+26 41 28.3		327
1996 YU_1	1997 05 02.51610	08 17 37.72	+26 41 27.2	19.6	327
1996 YU_1	1997 05 02.52478	08 17 38.19	+26 41 26.5		327
1997 AU_6	1997 05 29.53565	09 30 16.26	+16 31 12.2		327
1997 AU_6	1997 05 29.54067	09 30 16.57	+16 31 11.4		327
1997 AU_6	1997 05 29.54572	09 30 16.93	+16 31 09.7	19.2	327
1997 AU_6	1997 05 29.55074	09 30 17.22	+16 31 07.6		327
1997 AM_{22}	1997 05 29.54067	09 28 40.52	+16 43 05.1	18.4	327
1997 AM_{22}	1997 05 29.54572	09 28 40.88	+16 43 03.0		327
1997 AM_{22}	1997 05 29.55074	09 28 41.51	+16 43 01.0		327
1997 BR	1997 05 31.80112	09 03 24.40	+78 03 14.2	19.2 F	327
1997 BR	1997 05 31.80547	09 03 23.89	+78 03 17.7	F	327
1997 BR	1997 06 03.77964	08 52 33.20	+78 55 11.8		327

1997 BR	1997 06 03.78404	08 52 31.89	+78 55 18.0			327
1997 BR	1997 06 03.78848	08 52 31.04	+78 55 21.3	19.7		327
1997 BR	1997 06 03.79281	08 52 30.42	+78 55 25.9			327
1997 BR	1997 06 14.79029	06 49 13.72	+81 15 16.3			327
1997 BR	1997 06 14.79428	06 49 09.41	+81 15 16.9	19.9		327
1997 EE_{23}	1997 05 20.63156	12 52 40.95	+06 08 58.4	17.9		327
1997 EE_{23}	1997 05 20.64130	12 52 40.84	+06 08 56.0			327
1997 EE_{23}	1997 05 20.65115	12 52 40.73	+06 08 54.3			327
1997 EW_{45}	1997 05 20.62618	12 59 52.49	+05 02 59.7	17.8		327
1997 EW_{45}	1997 05 20.63649	12 59 52.48	+05 02 56.2			327
1997 EW_{45}	1997 05 20.64625	12 59 52.48	+05 02 52.8			327
1997 EY_{45}	1997 05 20.60606	12 27 57.74	+01 17 27.9	18.3		327
1997 EY_{45}	1997 05 20.61080	12 27 57.75	+01 17 26.6			327
1997 EY_{45}	1997 05 20.61626	12 27 57.75	+01 17 25.0			327
1997 FN	1997 05 23.57007	13 05 23.03	+03 18 32.6			327
1997 FN	1997 05 23.57997	13 05 22.81	+03 18 31.8	17.9		327
1997 FN	1997 05 23.58985	13 05 22.58	+03 18 30.4			327
1997 FO	1997 06 01.52876	11 41 01.63	+08 25 35.8	18.3		327
1997 FO	1997 06 01.53310	11 41 01.74	+08 25 33.5			327
1997 FO	1997 06 01.53745	11 41 01.84	+08 25 32.0			327
1997 FO	1997 06 01.54178	11 41 01.93	+08 25 30.2			327
1997 FO	1997 06 14.53155	11 47 27.47	+06 52 14.3			327
1997 FO	1997 06 14.53588	11 47 27.63	+06 52 11.5			327
1997 FO	1997 06 14.54022	11 47 27.72	+06 52 09.3	17.7		327
1997 FZ_1	1996 01 23.43160	02 44 21.19	+16 13 59.7	18.9	V	327
1997 FZ_1	1996 01 23.44553	02 44 21.67	+16 14 02.4			327
1997 FZ_1	1996 01 23.45878	02 44 22.15	+16 14 04.2			327
1997 GB_8	1997 05 04.68390	14 31 28.56	−13 10 12.7	18.4		327
1997 GB_8	1997 05 04.69525	14 31 28.00	−13 10 08.6			327
1997 GB_8	1997 05 04.70069	14 31 27.72	−13 10 08.1			327
1997 GP_{21}	1997 05 08.71175	14 25 42.17	−13 05 46.7			327
1997 GP_{21}	1997 05 08.72213	14 25 41.64	−13 05 39.7	18.7		327
1997 GP_{21}	1997 05 08.73297	14 25 41.13	−13 05 32.5			327
1997 GQ_{21}	1997 05 04.68390	14 32 31.32	−13 17 06.6	18.8		327
1997 GQ_{21}	1997 05 04.68936	14 32 31.11	−13 17 04.4			327
1997 GQ_{21}	1997 05 04.70069	14 32 30.57	−13 17 00.2			327
1997 GW_{22}	1997 05 08.61664	14 29 38.79	−11 53 06.1			327
1997 GW_{22}	1997 05 08.62671	14 29 38.22	−11 53 04.1	18.4		327
1997 GW_{22}	1997 05 08.63720	14 29 37.66	−11 53 02.2			327
1997 GZ_{31}	1997 06 09.58705	14 05 06.16	+00 13 10.0	17.6		327
1997 GZ_{31}	1997 06 09.59139	14 05 06.14	+00 13 07.8			327
1997 GZ_{31}	1997 06 09.59581	14 05 06.11	+00 13 05.6			327
1997 HH_3	1997 05 08.62178	14 28 42.42	−13 10 24.3			327
1997 HH_3	1997 05 08.63190	14 28 41.48	−13 10 30.0			327
1997 HH_3	1997 05 08.64233	14 28 40.36	−13 10 36.4	17.6		327
1997 HV_8	1997 05 04.68390	14 29 43.08	−13 34 34.7			327
1997 HV_8	1997 05 04.68936	14 29 42.70	−13 34 34.5			327
1997 HV_8	1997 05 04.69525	14 29 42.44	−13 34 33.4	18.6		327
1997 HV_8	1997 05 04.70069	14 29 42.13	−13 34 32.0			327
1997 HT_9	1997 05 08.71175	14 26 57.07	−12 17 33.4	17.6		327
1997 HT_9	1997 05 08.72213	14 26 56.42	−12 17 28.4			327
1997 HT_9	1997 05 08.73297	14 26 55.63	−12 17 23.4			327
1997 HX_9	1997 05 08.71175	14 27 36.47	−12 31 29.2			327
1997 HX_9	1997 05 08.72213	14 27 35.78	−12 31 26.9	18.2		327
1997 HX_9	1997 05 08.73297	14 27 35.03	−12 31 25.8			327
1997 HG_{10}	1997 05 04.68390	14 33 03.77	−13 28 17.4			327
1997 HG_{10}	1997 05 04.68936	14 33 03.41	−13 28 17.9			327
1997 HG_{10}	1997 05 04.70069	14 33 02.68	−13 28 13.8	19.0		327
1997 HJ_{10}	1997 05 03.66027	14 34 55.32	−13 17 27.5			327
1997 HJ_{10}	1997 05 03.66459	14 34 55.08	−13 17 27.3	19.1		327
1997 HJ_{10}	1997 05 03.66894	14 34 54.76	−13 17 26.0			327
1997 HJ_{10}	1997 05 03.67328	14 34 54.45	−13 17 25.6			327
1997 HK_{10}	1997 05 02.64500	14 36 27.36	−13 26 31.6			327
1997 HK_{10}	1997 05 02.65002	14 36 27.07	−13 26 29.2			327
1997 HK_{10}	1997 05 02.65506	14 36 26.80	−13 26 27.5	19.1		327
1997 HL_{10}	1997 05 02.64500	14 36 51.10	−13 20 51.5			327
1997 HL_{10}	1997 05 02.65002	14 36 50.84	−13 20 50.8			327
1997 HL_{10}	1997 05 02.65506	14 36 50.55	−13 20 48.7	19.2		327
1997 HZ_{13}	1997 05 02.64500	14 35 57.97	−13 27 55.2			327
1997 HZ_{13}	1997 05 02.65002	14 35 57.65	−13 27 53.4	19.1		327
1997 HZ_{13}	1997 05 02.65506	14 35 57.29	−13 27 53.2			327
1997 JV_7	1997 05 31.67116	15 32 55.37	−07 51 36.4	17.9		327
1997 JV_7	1997 05 31.67549	15 32 55.12	−07 51 35.8			327
1997 JV_7	1997 05 31.67983	15 32 54.88	−07 51 35.0			327
1997 JV_7	1997 06 02.66216	15 31 15.65	−07 47 16.3	18.7		327
1997 JV_7	1997 06 02.67191	15 31 15.17	−07 47 15.6			327
1997 JV_7	1997 06 02.68148	15 31 14.68	−07 47 15.1			327
1997 JV_7	1997 06 04.66367	15 29 39.91	−07 43 39.5			327
1997 JV_7	1997 06 04.66836	15 29 39.70	−07 43 38.2			327
1997 JV_7	1997 06 04.67304	15 29 39.43	−07 43 38.1			327
1997 JV_7	1997 06 04.67766	15 29 39.25	−07 43 37.2	19.1		327
1997 JX_7	1997 06 03.53663	12 55 33.44	+07 45 46.0			327
1997 JX_7	1997 06 03.54132	12 55 33.57	+07 45 46.1			327
1997 JX_7	1997 06 03.54616	12 55 33.65	+07 45 46.2			327
1997 JX_7	1997 06 03.55071	12 55 33.74	+07 45 46.4	18.1		327
1997 JX_7	1997 06 06.59818	12 56 32.67	+07 45 02.0			327
1997 JX_7	1997 06 06.60251	12 56 32.80	+07 45 01.2			327
1997 JX_7	1997 06 06.60691	12 56 32.87	+07 45 01.8	17.1		327
1997 JX_7	1997 06 06.61124	12 56 32.94	+07 45 01.8			327
1997 JZ_7	1997 05 20.73169	15 44 49.58	−07 44 28.2	16.6		327
1997 JZ_7	1997 05 20.74583	15 44 48.90	−07 44 21.4			327
1997 JZ_7	1997 05 20.76002	15 44 48.16	−07 44 13.0			327
1997 JC_{14}	1997 06 03.67351	15 30 21.18	−07 24 01.4			327
1997 JC_{14}	1997 06 03.68338	15 30 20.67	−07 23 58.9			327
1997 JC_{14}	1997 06 03.69281	15 30 20.20	−07 23 56.6	17.4		327
1997 JC_{14}	1997 06 04.66367	15 29 33.58	−07 19 53.1	19.0		327
1997 JC_{14}	1997 06 04.66836	15 29 33.34	−07 19 51.7			327
1997 JC_{14}	1997 06 04.67304	15 29 33.16	−07 19 50.7			327
1997 JC_{14}	1997 06 04.67766	15 29 32.92	−07 19 49.6			327
1997 JD_{14}	1997 06 04.68358	15 31 05.82	−06 39 51.9	17.3		327
1997 JD_{14}	1997 06 04.69367	15 31 05.38	−06 39 48.4			327
1997 JD_{14}	1997 06 04.70343	15 31 04.93	−06 39 45.4			327
1997 JD_{14}	1997 06 06.68388	15 29 41.42	−06 29 26.6	17.6		327
1997 JD_{14}	1997 06 06.69361	15 29 41.01	−06 29 23.6			327

1997 JD_{14}		1997 06 06.69866	15 29 40.79	−06 29 21.9		327
1997 JE_{14}		1997 05 21.68006	14 09 42.57	+01 17 32.2		327
1997 JE_{14}		1997 05 21.68478	14 09 42.15	+01 17 26.8	16.3	327
1997 JE_{14}		1997 05 22.65594	14 08 39.77	+00 57 54.3	16.9	327
1997 JE_{14}		1997 05 22.66583	14 08 39.02	+00 57 41.8		327
1997 JE_{14}		1997 05 22.67564	14 08 38.46	+00 57 30.9		327
1997 JE_{14}		1997 05 23.65054	14 07 37.86	+00 37 47.2		327
1997 JE_{14}		1997 05 23.66076	14 07 37.19	+00 37 34.5		327
1997 JE_{14}		1997 05 23.67089	14 07 36.51	+00 37 22.2	17.1	327
1997 JS_{16}		1997 04 16.65903	12 43 09.93	−00 28 15.7	17.7	327
1997 JS_{16}		1997 04 16.70043	12 43 07.45	−00 28 07.8		327
1997 JS_{16}		1997 04 16.71054	12 43 06.85	−00 28 06.7		327
1997 JT_{16}		1997 04 17.71105	16 08 01.48	−10 06 26.4		327
1997 JT_{16}		1997 04 17.72573	16 08 00.99	−10 06 25.8	18.7	327
1997 JT_{16}		1997 04 17.74024	16 08 00.59	−10 06 24.1		327
1997 JT_{16}	*	1997 05 03.72906	15 58 21.13	−09 37 17.5	18.5	327
1997 JT_{16}		1997 05 03.73900	15 58 20.70	−09 37 16.5		327
1997 JT_{16}		1997 05 03.74863	15 58 20.26	−09 37 15.3		327
1997 JT_{16}		1997 05 08.74983	15 54 36.20	−09 29 33.0		327
1997 JT_{16}		1997 05 08.76008	15 54 35.71	−09 29 32.4		327
1997 JT_{16}		1997 05 08.76984	15 54 35.22	−09 29 31.1		327
1997 JT_{16}		1997 05 08.77951	15 54 34.80	−09 29 30.3	18.5	327
1997 JT_{16}		1997 05 31.68431	15 36 12.41	−09 12 54.7	18.3	327
1997 JT_{16}		1997 05 31.68866	15 36 12.21	−09 12 54.8		327
1997 JT_{16}		1997 05 31.69299	15 36 12.00	−09 12 54.5		327
1997 JN_{18}	*	1997 05 03.67963	14 23 10.35	+03 12 20.1	18.1	327
1997 JN_{18}		1997 05 03.68396	14 23 10.11	+03 12 21.5		327
1997 JN_{18}		1997 05 03.69263	14 23 09.72	+03 12 21.1		327
1997 JN_{18}		1997 05 11.65434	14 16 42.34	+03 23 53.5		327
1997 JN_{18}		1997 05 11.66922	14 16 41.61	+03 23 53.3	18.0	327
1997 JN_{18}		1997 05 11.68432	14 16 40.90	+03 23 53.8		327
1997 KA	*	1997 05 20.72450	19 43 11.21	−14 48 11.8		327
1997 KA		1997 05 20.73862	19 43 11.38	−14 48 05.7	17.6	327
1997 KA		1997 05 20.75293	19 43 11.45	−14 47 59.0		327
1997 KA		1997 05 22.74875	19 43 27.59	−14 31 23.8	16.9	327
1997 KA		1997 05 22.77449	19 43 27.71	−14 31 11.2		327
1997 KA		1997 05 22.78914	19 43 27.77	−14 31 03.8		327
1997 KA		1997 05 22.80381	19 43 27.85	−14 30 56.7		327
1997 KA		1997 05 31.77358	19 43 11.89	−13 17 11.4		327
1997 KA		1997 05 31.78228	19 43 11.82	−13 17 06.6	17.1	327
1997 KA		1997 05 31.79096	19 43 11.72	−13 17 03.1		327
1997 KA		1997 06 01.77689	19 43 01.04	−13 09 04.4		327
1997 KA		1997 06 01.78122	19 43 01.00	−13 09 01.8		327
1997 KA		1997 06 01.78557	19 43 00.90	−13 09 00.3	17.3	327
1997 KA		1997 06 01.78991	19 43 00.88	−13 08 57.8		327
1997 KB	*	1997 05 22.65594	14 09 44.76	+00 43 27.7	17.1	327
1997 KB		1997 05 22.66583	14 09 44.42	+00 43 27.5		327
1997 KB		1997 05 22.67564	14 09 44.10	+00 43 27.9		327
1997 KB		1997 05 23.65054	14 09 15.59	+00 43 01.3	17.4	327
1997 KB		1997 05 23.66076	14 09 15.28	+00 43 01.5		327
1997 KB		1997 05 23.67089	14 09 14.99	+00 43 00.7		327
1997 KS	*	1997 05 31.76924	19 44 00.95	−13 54 34.5	17.9	327
1997 KS		1997 05 31.77795	19 44 00.90	−13 54 31.9		327
1997 KS		1997 05 31.78663	19 44 00.86	−13 54 29.3		327
1997 KS		1997 06 01.77689	19 43 57.08	−13 49 50.9		327
1997 KS		1997 06 01.78122	19 43 57.04	−13 49 49.5	18.4	327
1997 KS		1997 06 01.78557	19 43 57.01	−13 49 48.9		327
1997 KS		1997 06 01.78991	19 43 57.02	−13 49 47.6		327
1997 KT	*	1997 05 31.77358	19 42 51.74	−13 23 39.6		327
1997 KT		1997 05 31.78228	19 42 51.57	−13 23 38.6		327
1997 KT		1997 05 31.79096	19 42 51.34	−13 23 37.9	19.9	327
1997 KT		1997 06 01.77689	19 42 32.23	−13 22 26.3		327
1997 KT		1997 06 01.78122	19 42 32.08	−13 22 26.4	19.7	327
1997 KT		1997 06 01.78557	19 42 31.97	−13 22 26.4		327
1997 KT		1997 06 01.78991	19 42 31.89	−13 22 25.8		327
1997 KU	*	1997 05 31.77358	19 43 00.45	−13 17 51.0	21.2	327
1997 KU		1997 05 31.78228	19 43 00.32	−13 17 54.3		327
1997 KU		1997 05 31.79096	19 43 00.27	−13 17 54.5		327
1997 KU		1997 06 01.77689	19 42 50.36	−13 21 38.3		327
1997 KU		1997 06 01.78122	19 42 50.40	−13 21 40.5		327
1997 KU		1997 06 01.78557	19 42 50.30	−13 21 41.7	20.5	327
1997 KU		1997 06 01.78991	19 42 50.27	−13 21 41.6		327
1997 KV	*	1997 05 31.77358	19 43 10.74	−13 06 06.0		327
1997 KV		1997 05 31.78228	19 43 10.59	−13 06 06.8		327
1997 KV		1997 05 31.79096	19 43 10.38	−13 06 09.1	19.8	327
1997 KV		1997 06 01.77689	19 42 51.27	−13 08 13.5		327
1997 KV		1997 06 01.78122	19 42 51.22	−13 08 13.7	22.0	327
1997 KV		1997 06 01.78557	19 42 51.09	−13 08 13.8		327
1997 KV		1997 06 01.78991	19 42 51.01	−13 08 15.2		327
1997 KW	*	1997 05 31.67116	15 33 16.52	−08 16 29.4	18.9	327
1997 KW		1997 05 31.67549	15 33 16.23	−08 16 28.3		327
1997 KW		1997 05 31.67983	15 33 15.96	−08 16 28.5		327
1997 KW		1997 06 02.66216	15 31 14.00	−08 14 25.9		327
1997 KW		1997 06 02.67191	15 31 13.45	−08 14 26.1		327
1997 KW		1997 06 02.68148	15 31 12.80	−08 14 25.4	18.4	327
1997 KW		1997 06 10.60231	15 23 49.42	−08 13 20.9		327
1997 KW		1997 06 10.61197	15 23 48.91	−08 13 20.9	17.8	327
1997 KW		1997 06 10.62161	15 23 48.39	−08 13 21.4		327
1997 KW		1997 06 14.54606	15 20 41.90	−08 17 08.7		327
1997 KW		1997 06 14.55564	15 20 41.43	−08 17 09.3	18.1	327
1997 KW		1997 06 14.56528	15 20 41.03	−08 17 10.2		327
1997 KX		1997 05 16.59925	15 47 13.05	−07 15 07.9		327
1997 KX		1997 05 16.60888	15 47 12.53	−07 15 10.1	17.8	327
1997 KX		1997 05 16.61843	15 47 11.96	−07 15 11.9		327
1997 KX	*	1997 05 31.67116	15 33 30.43	−08 16 37.9	18.7	327
1997 KX		1997 05 31.67549	15 33 30.18	−08 16 38.5		327
1997 KX		1997 05 31.67983	15 33 29.96	−08 16 40.0		327
1997 KX		1997 06 02.66216	15 31 50.15	−08 26 30.8		327
1997 KX		1997 06 02.67191	15 31 49.65	−08 26 33.6		327
1997 KX		1997 06 02.68148	15 31 49.11	−08 26 36.3	19.3	327
1997 KX		1997 06 10.60706	15 25 46.85	−09 09 48.5	18.5	327
1997 KX		1997 06 10.61676	15 25 46.43	−09 09 51.7		327
1997 KX		1997 06 10.62603	15 25 46.03	−09 09 55.4		327
1997 KX		1997 06 14.55076	15 23 13.04	−09 33 24.5		327

1997 KX		1997 06 14.56041	15 23 12.64	−09 33 27.7		327
1997 KX		1997 06 14.57013	15 23 12.25	−09 33 31.8	19.8	327
1997 KG_2	*	1997 05 31.68431	15 37 51.77	−09 47 36.5	18.2	327
1997 KG_2		1997 05 31.68866	15 37 51.52	−09 47 36.6		327
1997 KG_2		1997 05 31.69299	15 37 51.27	−09 47 36.1		327
1997 KG_2		1997 06 03.67834	15 35 10.13	−09 48 38.5	19.9	327
1997 KG_2		1997 06 03.68801	15 35 09.69	−09 48 37.7		327
1997 KG_2		1997 06 03.69758	15 35 09.15	−09 48 39.0		327
1997 LL	*	1997 06 03.67351	15 31 58.56	−07 00 13.6		327
1997 LL		1997 06 03.68338	15 31 58.07	−07 00 12.1	18.6	327
1997 LL		1997 06 03.69281	15 31 57.51	−07 00 10.4		327
1997 LL		1997 06 04.66367	15 31 08.20	−06 57 36.4	20.2	327
1997 LL		1997 06 04.66836	15 31 07.97	−06 57 36.1		327
1997 LL		1997 06 04.67304	15 31 07.76	−06 57 35.7		327
1997 LL		1997 06 04.67766	15 31 07.58	−06 57 34.2		327
1997 LM	*	1997 06 03.67351	15 32 58.85	−07 23 42.7		327
1997 LM		1997 06 03.68338	15 32 58.30	−07 23 45.8		327
1997 LM		1997 06 03.69281	15 32 57.73	−07 23 49.6	18.1	327
1997 LM		1997 06 04.66367	15 32 03.74	−07 29 18.4		327
1997 LM		1997 06 04.66836	15 32 03.20	−07 29 21.1	19.4	327
1997 LM		1997 06 04.67304	15 32 02.97	−07 29 22.5		327
1997 LM		1997 06 04.67766	15 32 02.70	−07 29 23.4		327
1997 LN	*	1997 06 03.67834	15 33 23.07	−09 59 58.6	18.9	327
1997 LN		1997 06 03.68801	15 33 22.65	−09 59 57.5		327
1997 LN		1997 06 03.69758	15 33 22.19	−09 59 56.0		327
1997 LN		1997 06 04.68877	15 32 38.33	−09 57 59.5		327
1997 LN		1997 06 04.69851	15 32 37.88	−09 57 59.2		327
1997 LN		1997 06 04.70810	15 32 37.44	−09 57 58.0	19.5	327
1997 LO	*	1997 06 03.67834	15 34 50.09	−10 10 08.9		327
1997 LO		1997 06 03.68801	15 34 49.53	−10 10 08.7		327
1997 LO		1997 06 03.69758	15 34 49.05	−10 10 08.7	19.3	327
1997 LO		1997 06 04.68877	15 33 59.43	−10 09 58.4	20.5	327
1997 LO		1997 06 04.69851	15 33 58.90	−10 09 57.7		327
1997 LO		1997 06 04.70810	15 33 58.38	−10 09 57.3		327
1997 LR		1997 06 06.70373	15 49 46.91	−07 15 35.6		327
1997 LR		1997 06 06.70917	15 49 46.58	−07 15 35.7		327
1997 LR		1997 06 06.71392	15 49 46.22	−07 15 36.7	18.7	327
1997 LF_4	*	1997 06 09.77943	19 42 07.62	−13 01 53.3		327
1997 LF_4		1997 06 09.78421	19 42 07.46	−13 01 50.7	18.4	327
1997 LF_4		1997 06 09.78878	19 42 07.32	−13 01 48.4		327
1997 LF_4		1997 06 10.77384	19 41 40.19	−12 53 46.7		327
1997 LF_4		1997 06 10.77852	19 41 40.04	−12 53 44.2		327
1997 LF_4		1997 06 10.78329	19 41 39.88	−12 53 41.5	19.1	327
1997 LY_4	*	1997 06 10.77384	19 38 55.77	−13 15 03.5	16.4	327
1997 LY_4		1997 06 10.77852	19 38 55.90	−13 14 56.4		327
1997 LY_4		1997 06 10.78329	19 38 56.04	−13 14 48.7		327
1997 LY_4		1997 06 11.65311	19 39 29.79	−12 51 51.8		327
1997 LY_4		1997 06 11.65786	19 39 29.94	−12 51 44.9		327
1997 LY_4		1997 06 11.66258	19 39 30.14	−12 51 37.2	16.3	327
1997 LY_4		1997 06 13.73848	19 40 40.81	−11 56 07.2	16.4	327
1997 LY_4		1997 06 13.74282	19 40 40.91	−11 56 00.3		327
1997 LC_6	*	1997 06 10.60706	15 25 21.23	−09 10 31.4		327
1997 LC_6		1997 06 10.61676	15 25 20.82	−09 10 30.4	18.3	327
1997 LC_6		1997 06 10.62603	15 25 20.43	−09 10 29.7		327
1997 LC_6		1997 06 14.55076	15 22 54.20	−09 05 03.3		327
1997 LC_6		1997 06 14.56041	15 22 53.85	−09 05 02.7	18.0	327
1997 LC_6		1997 06 14.57013	15 22 53.48	−09 05 01.7		327
1997 LD_6	*	1997 06 10.60706	15 26 04.04	−09 08 06.0	17.8	327
1997 LD_6		1997 06 10.61676	15 26 03.67	−09 08 05.8		327
1997 LD_6		1997 06 10.62603	15 26 03.35	−09 08 05.2		327
1997 LD_6		1997 06 14.55076	15 23 53.80	−09 06 40.7		327
1997 LD_6		1997 06 14.56041	15 23 53.40	−09 06 40.6	18.9	327
1997 LD_6		1997 06 14.57013	15 23 53.12	−09 06 40.8		327
1997 LE_6	*	1997 06 10.60706	15 26 17.17	−09 28 45.7		327
1997 LE_6		1997 06 10.61676	15 26 16.75	−09 28 45.0		327
1997 LE_6		1997 06 10.62603	15 26 16.34	−09 28 45.2	18.7	327
1997 LE_6		1997 06 14.55076	15 23 46.40	−09 28 06.1		327
1997 LE_6		1997 06 14.56041	15 23 46.03	−09 28 06.5	18.4	327
1997 LE_6		1997 06 14.57013	15 23 45.68	−09 28 06.2		327
(1501)		1997 05 03.59906	11 30 15.59	+05 13 07.0	17.0	327
(1501)		1997 05 03.62272	11 30 15.22	+05 13 05.8		327
(1501)		1997 05 03.63729	11 30 14.99	+05 13 04.9		327
(3317)		1997 05 09.76352	17 36 19.74	+06 53 20.3	15.4	327
(3317)		1997 05 09.77870	17 36 19.39	+06 53 22.7		327
(3317)		1997 05 09.79392	17 36 19.04	+06 53 25.1		327
(5038)		1997 05 20.62618	12 58 14.94	+04 38 11.9	16.8 V	327
(5038)		1997 05 20.63649	12 58 14.61	+04 38 06.6		327
(5038)		1997 05 20.64625	12 58 14.33	+04 38 02.2		327
(6425)		1997 05 20.67253	15 44 31.25	−08 15 45.5		327
(6425)		1997 05 20.67729	15 44 31.01	−08 15 43.7	16.0	327
(6425)		1997 05 20.68205	15 44 30.73	−08 15 41.4		327
(6425)		1997 05 20.68697	15 44 30.46	−08 15 38.5		327
(6425)		1997 05 23.71933	15 41 45.93	−07 50 08.4	15.6	327
(6425)		1997 05 23.72895	15 41 45.39	−07 50 03.7		327
(6425)		1997 05 23.73870	15 41 44.84	−07 49 58.5		327
(6425)		1997 06 06.68388	15 29 57.94	−06 09 19.2	16.3	327
(6425)		1997 06 06.68881	15 29 57.71	−06 09 17.3		327
(6425)		1997 06 06.69361	15 29 57.47	−06 09 15.7		327
(6425)		1997 06 06.69866	15 29 57.26	−06 09 13.9		327
(6624)		1997 04 28.51531	08 11 54.56	+26 24 53.6	18.1	327
(6624)		1997 04 28.52626	08 11 55.26	+26 24 50.0		327
(6624)		1997 04 28.53714	08 11 55.97	+26 24 45.6		327
(6828)		1997 05 15.72789	14 17 26.63	+02 56 56.7		327
(6828)		1997 05 15.73223	14 17 26.45	+02 56 57.2	17.8	327
(6828)		1997 05 15.73657	14 17 26.28	+02 56 57.3		327
(6828)		1997 05 15.74090	14 17 26.07	+02 56 57.7		327
(7624)		1997 05 29.53565	09 29 34.55	+16 57 04.9		327
(7624)		1997 05 29.54067	09 29 34.89	+16 57 02.7	18.9	327
(7624)		1997 05 29.54572	09 29 35.13	+16 57 01.1		327
(7624)		1997 05 29.55074	09 29 35.44	+16 56 58.3		327
(7681)		1997 04 26.54388	08 55 46.21	+22 09 51.4		327
(7681)		1997 04 26.54837	08 55 46.57	+22 09 47.7	17.9	327
(7681)		1997 04 26.55275	08 55 46.91	+22 09 45.7		327
(7681)		1997 04 26.55756	08 55 47.28	+22 09 43.0		327

(7683)	1997 04 17.58222	13 02 15.81	+06 03 23.2		327
(7683)	1997 04 17.59691	13 02 14.94	+06 03 26.0	16.8	327
(7683)	1997 04 17.61198	13 02 14.09	+06 03 28.6		327
(7683)	1997 05 03.64218	12 49 43.74	+06 22 38.3		327
(7683)	1997 05 03.64688	12 49 43.56	+06 22 38.6	17.6	327
(7683)	1997 05 03.65123	12 49 43.41	+06 22 38.2		327
(7683)	1997 05 03.65559	12 49 43.24	+06 22 38.6		327
(7683)	1997 05 08.64828	12 47 02.65	+06 16 44.4		327
(7683)	1997 05 08.66306	12 47 02.25	+06 16 42.8		327
(7683)	1997 05 08.67787	12 47 01.78	+06 16 41.5	17.8	327

353 Nishi Kobe

K. Ito, 4-13-7, Sakuragaoka Higashi Mati, Nishi-Ku, Kobe, 651-22 Japan
[kazuito@tau.bekkoame.or.jp]

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

1997 LY_4	1997 06 12.61359	19 40 04.07	−12 26 17.7	16.5 V	353
1997 LY_4	1997 06 12.61574	19 40 04.13	−12 26 14.0		353

355 Hadano

A. Asami, 28-1 Nishitawara, Hadano, Kanagawa-Ken, 257 Japan
[asami@st.rim.or.jp]

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

1988 XB	1997 05 28.60462	16 23 35.85	−20 02 13.9	16.7 V	355
1988 XB	1997 05 28.60671	16 23 35.46	−20 02 14.1		355
1988 XB	1997 05 28.62337	16 23 32.73	−20 02 15.2		355
1988 XB	1997 06 05.55813	15 58 29.95	−20 11 03.4		355
1988 XB	1997 06 05.56634	15 58 27.83	−20 11 03.7		355
1988 XB	1997 06 06.60191	15 54 23.46	−20 11 38.9		355
1988 XB	1997 06 06.60537	15 54 22.52	−20 11 38.7	16.6 V	355
1988 XB	1997 06 06.60703	15 54 22.14	−20 11 39.1		355
1988 XB	1997 06 06.60994	15 54 21.39	−20 11 38.7		355
1997 AR_{16}	1997 05 25.47343	11 15 07.93	−01 11 13.9		355
1997 AR_{16}	1997 05 25.47961	11 15 08.14	−01 11 15.7		355
1997 GA_{26}	1997 05 25.49155	13 12 34.60	−05 03 39.0		355
1997 GA_{26}	1997 05 25.49833	13 12 34.49	−05 03 42.1		355
1997 GA_{26}	1997 05 28.51970	13 12 15.08	−05 21 50.5		355
1997 GA_{26}	1997 05 28.52344	13 12 15.07	−05 21 51.6		355
1997 JE_{10}	1997 05 28.58553	15 28 52.91	−13 30 38.2		355
1997 JE_{10}	1997 05 28.58971	15 28 52.71	−13 30 38.2		355
1997 JE_{10}	1997 05 28.59632	15 28 52.36	−13 30 38.1		355
1997 JE_{10}	1997 06 07.58679	15 21 09.19	−13 42 27.4		355
1997 JE_{10}	1997 06 07.58841	15 21 09.20	−13 42 27.4		355
1997 LY_4	1997 06 13.69470	19 40 39.33	−11 57 16.2		355
1997 LY_4	1997 06 13.69631	19 40 39.36	−11 57 13.9	16.5 V	355
1997 LY_4	1997 06 13.71681	19 40 39.87	−11 56 40.6		355
1997 LY_4	1997 06 13.71892	19 40 39.89	−11 56 37.4		355

358 Nanyou

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

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

1997 GB_{26}	1997 05 01.56019	14 14 20.52	−11 32 30.2	17.7 V	358
1997 GB_{26}	1997 05 01.56721	14 14 20.17	−11 32 31.6		358
1997 GB_{26}	1997 05 01.59221	14 14 18.29	−11 32 34.0		358
1997 GB_{26}	1997 05 05.54869	14 09 58.80	−11 40 17.2	17.7 V	358
1997 GB_{26}	1997 05 05.58485	14 09 56.37	−11 40 21.4		358
1997 GO_{28}	1997 05 11.59728	14 09 26.14	−08 22 15.3	17.8 V	358
1997 GO_{28}	1997 05 11.63064	14 09 24.33	−08 22 12.3		358
1997 GO_{28}	1997 05 11.63340	14 09 24.19	−08 22 11.8		358
1997 GO_{28}	1997 05 27.57148	13 58 57.33	−08 12 30.2	17.3 V	358
1997 GO_{28}	1997 05 27.57396	13 58 57.41	−08 12 30.5		358
1997 GO_{28}	1997 05 27.61001	13 58 56.07	−08 12 34.8		358

360 Kuma Kogen Astronomical Observatory

A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken, 791-12 Japan [a-nakamu@mx2.nisiq.net]

0.60-m f/6.0 Ritchey-Chrétien + CCD
GSC, USNO-SA1.0

1977 QQ_5	1997 05 31.77691	22 30 39.77	−00 32 08.3		360
1977 QQ_5	1997 05 31.77969	22 30 40.18	−00 32 07.9		360
1977 QQ_5	1997 05 31.78281	22 30 40.65	−00 32 07.2		360
1980 RG_1	1997 05 31.67448	16 54 35.25	−20 32 14.3	19.5 V	360
1980 RG_1	1997 05 31.68021	16 54 34.87	−20 32 13.2		360
1980 RG_1	1997 06 12.62969	16 40 40.09	−19 32 37.0	19.2 V	360
1980 RG_1	1997 06 12.63524	16 40 39.64	−19 32 35.4		360
1980 RG_1	1997 06 12.64045	16 40 39.27	−19 32 33.7		360
1988 XB	1997 05 27.62778	16 26 01.03	−20 00 54.1	16.3 V	360
1988 XB	1997 05 27.63281	16 26 00.26	−20 00 54.7		360
1988 XB	1997 05 27.63681	16 25 59.64	−20 00 54.9		360
1988 XB	1997 06 04.62188	16 01 59.51	−20 10 20.8		360
1988 XB	1997 06 04.62465	16 01 58.85	−20 10 20.7		360
1988 XB	1997 06 04.62778	16 01 58.12	−20 10 20.8		360
1988 XB	1997 06 12.58785	15 26 35.55	−20 09 18.7	16.0 V	360
1988 XB	1997 06 12.59028	15 26 34.74	−20 09 18.4		360
1988 XB	1997 06 12.59236	15 26 34.04	−20 09 18.1		360
1992 LR	1997 05 31.74948	21 04 37.51	−12 16 47.8	17.4 V	360
1992 LR	1997 05 31.75226	21 04 38.42	−12 16 42.1		360
1992 LR	1997 05 31.75799	21 04 40.27	−12 16 30.3		360
1992 LR	1997 06 12.75920	22 12 22.83	−04 40 23.5		360
1992 LR	1997 06 12.76198	22 12 23.73	−04 40 17.0		360
1992 LR	1997 06 12.76476	22 12 24.63	−04 40 10.1		360
1994 QC	1997 06 12.64826	17 12 06.21	+43 40 57.8	18.1 V	360
1994 QC	1997 06 12.65313	17 12 06.10	+43 40 55.2		360
1994 QC	1997 06 12.65764	17 12 06.00	+43 40 53.2		360
1994 XS	1997 05 31.62083	15 32 36.18	−07 54 51.4	18.6 V	360
1994 XS	1997 05 31.62795	15 32 35.85	−07 54 50.8		360
1994 XS	1997 05 31.63819	15 32 35.37	−07 54 50.5		360
1994 XS	1997 06 04.60226	15 29 40.60	−07 52 51.1		360
1994 XS	1997 06 04.60833	15 29 40.33	−07 52 51.1		360
1996 DA_3	1997 05 27.61615	16 02 52.79	−12 24 29.9	17.9 V	360
1996 DA_3	1997 05 27.62118	16 02 52.44	−12 24 28.3		360
1996 DA_3	1997 05 31.64705	15 58 53.93	−12 07 20.6	17.8 V	360
1996 DA_3	1997 05 31.65139	15 58 53.67	−12 07 19.4		360
1996 XW_1	1997 05 26.57205	14 22 38.33	−33 11 43.5	18.6 V	360

1996 XW_1	1997 05 26.57604	14 22 38.61	−33 11 21.0		360
1996 XW_1	1997 05 26.58125	14 22 39.03	−33 10 51.1		360
1996 XW_1	1997 05 27.57083	14 24 09.18	−31 39 53.3	18.9 V	360
1996 XW_1	1997 05 27.58108	14 24 10.02	−31 38 56.9		360
1996 XW_1	1997 05 27.58542	14 24 10.35	−31 38 34.3		360
1997 CU_{26}	1997 05 26.49583	08 28 35.39	+15 14 37.0	18.5 V	360
1997 CU_{26}	1997 05 26.50069	08 28 35.46	+15 14 36.5		360
1997 FQ_1	1997 06 04.51372	12 47 58.40	−10 51 12.5		360
1997 FQ_1	1997 06 04.53038	12 47 58.78	−10 51 12.9		360
1997 FQ_1	1997 06 04.53646	12 47 58.91	−10 51 12.7		360
1997 GH_3	1997 05 25.52334	12 22 54.78	+02 45 49.5	17.8 V	360
1997 GH_3	1997 05 25.52622	12 22 55.34	+02 45 45.9		360
1997 GH_3	1997 05 25.52899	12 22 55.91	+02 45 42.4		360
1997 GH_3	1997 06 04.52014	12 54 46.45	−00 35 17.1		360
1997 GH_3	1997 06 04.52274	12 54 46.88	−00 35 20.5		360
1997 GH_3	1997 06 04.52587	12 54 47.43	−00 35 23.9		360
1997 GH_3	1997 06 12.50521	13 16 46.51	−02 56 43.7	18.2 V	360
1997 GH_3	1997 06 12.50833	13 16 46.99	−02 56 47.1		360
1997 GH_3	1997 06 12.51146	13 16 47.43	−02 56 50.1		360
1997 GR_{24}	1997 05 27.59167	14 52 11.74	−04 31 12.0	17.6 V	360
1997 GR_{24}	1997 05 27.59688	14 52 11.51	−04 31 10.1		360
1997 GR_{24}	1997 05 31.53681	14 49 34.84	−04 11 46.5	17.7 V	360
1997 GR_{24}	1997 05 31.54115	14 49 34.67	−04 11 45.3		360
1997 GR_{24}	1997 06 04.59080	14 47 11.23	−03 54 57.8		360
1997 GR_{24}	1997 06 04.59514	14 47 11.09	−03 54 57.0		360
1997 JV_7	1997 05 31.62083	15 32 57.94	−07 51 42.6	17.8 V	360
1997 JV_7	1997 05 31.62795	15 32 57.58	−07 51 41.6		360
1997 JV_7	1997 05 31.63819	15 32 57.02	−07 51 40.6		360
1997 LY_4	1997 06 12.66493	19 40 05.56	−12 24 55.7		360
1997 LY_4	1997 06 12.66944	19 40 05.68	−12 24 48.5		360
1997 LY_4	1997 06 12.67639	19 40 05.85	−12 24 37.8		360
(3671)	1997 05 25.53906	13 16 25.70	+24 14 24.3	15.7 V	360
(3671)	1997 05 25.54167	13 16 25.34	+24 14 20.8		360
(3671)	1997 06 12.49757	12 37 00.56	+11 47 05.4	15.5 V	360
(3671)	1997 06 12.50035	12 37 00.11	+11 46 54.3		360
(4341)	1997 05 27.64115	16 30 47.98	+01 12 30.7	16.5 V	360
(4341)	1997 05 27.64462	16 30 47.39	+01 12 26.7		360
(5332)	1997 05 31.69497	16 26 05.63	+15 47 57.6	19.6 V	360
(5332)	1997 05 31.69983	16 26 05.30	+15 47 57.6		360

367 Yatsuka

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

0.26-m $f/6.0$ reflector + CCD

GSC

1989 CH_4	1997 05 31.57290	15 32 30.89	−23 06 20.3	17.0 V	367
1989 CH_4	1997 05 31.57778	15 32 30.62	−23 06 19.1		367
1991 UE_3	1997 05 31.54271	14 28 55.80	−08 57 40.9	16.4 V	367
1991 UE_3	1997 05 31.54757	14 28 55.61	−08 57 41.7		367
1992 AR_1	1997 05 31.55208	14 36 19.71	−24 39 13.1	17.1 V	367
1992 AR_1	1997 05 31.55694	14 36 19.52	−24 39 11.1		367
1992 FS	1997 05 31.58197	16 20 50.50	−26 54 59.2	16.0 V	367
1992 FS	1997 05 31.58682	16 20 50.23	−26 54 58.9		367
1993 BS_3	1997 05 31.56181	14 41 03.65	−26 21 47.0	17.0 V	367
1993 BS_3	1997 05 31.56665	14 41 03.49	−26 21 45.6		367
1993 GO	1997 05 26.55394	14 00 13.69	−07 05 04.4	17.0 V	367
1993 GO	1997 05 26.55810	14 00 13.55	−07 05 06.2		367
1993 GO	1997 05 31.53333	13 57 52.09	−07 44 40.2	17.2 V	367
1993 GO	1997 05 31.53819	13 57 51.99	−07 44 42.7		367
1997 GA_{26}	1997 05 26.55012	13 12 25.43	−05 09 50.2	17.6 V	367
1997 GA_{26}	1997 05 26.56898	13 12 25.24	−05 09 56.8		367
1997 LY_4	1997 06 11.58038	19 39 27.37	−12 53 45.5	16.7 V	367
1997 LY_4	1997 06 11.58385	19 39 27.41	−12 53 40.5		367
1997 LY_4	1997 06 11.58733	19 39 27.54	−12 53 35.3		367

381 Kiso

D. J. Asher, Communications Research Laboratory, Hirai 893-1, Kashima, Ibaraki-Ken, 314 Japan [david@crl.go.jp]

Observers M. Saito, D. J. Asher, T. Minezaki

Measurers D. J. Asher, M. Saito

1.05-m $f/3.1$ Schmidt + CCD

GSC

1977 QQ_5	1997 05 17.76710	21 57 46.52	−01 15 20.0		381
1977 QQ_5	1997 05 17.76959	21 57 46.88	−01 15 19.0		381
1988 XB	1997 05 17.67787	16 44 08.74	−19 48 03.0		381
1988 XB	1997 05 17.67950	16 44 08.58	−19 48 03.3		381
1988 XB	1997 05 17.68219	16 44 08.36	−19 48 03.4		381
1991 CS	1997 05 17.62810	12 01 44.07	+60 41 37.3		381
1991 CS	1997 05 17.63059	12 01 44.23	+60 41 35.0		381
1991 VH	1997 05 17.57742	11 22 46.58	+36 04 53.0		381
1991 VH	1997 05 17.57964	11 22 46.74	+36 04 50.9		381
1992 CC_1	1997 05 17.54123	10 03 50.62	−07 01 37.2	F	381
1992 CC_1	1997 05 17.55001	10 03 50.81	−07 01 41.2	F	381
1992 LR	1997 05 17.78101	19 50 46.76	−18 45 28.1		381
1992 LR	1997 05 17.78251	19 50 47.22	−18 45 26.8		381
1994 QC	1997 05 18.63655	17 12 51.48	+41 39 34.4		381
1994 QC	1997 05 18.63866	17 12 51.50	+41 39 36.5		381
1994 QC	1997 05 18.64199	17 12 51.52	+41 39 40.1		381
1996 SK	1997 05 17.73113	18 16 10.80	−20 22 07.5	F	381
1996 SK	1997 05 17.73377	18 16 10.44	−20 22 07.8	F	381
1997 GF_3	1997 05 17.71448	13 15 26.03	+21 47 21.3	F	381
1997 GF_3	1997 05 17.71860	13 15 26.09	+21 47 25.1	F	381
1997 GO_{27}	1997 05 17.64863	14 00 52.99	+20 18 19.6		381
1997 GO_{27}	1997 05 17.65109	14 00 52.89	+20 18 21.2		381
1997 GO_{27}	1997 05 18.57155	14 00 23.97	+20 30 48.4		381
1997 GO_{27}	1997 05 18.57944	14 00 23.68	+20 30 54.5		381
(1388)	1997 05 17.79278	19 31 26.25	−31 17 52.3		381
(1388)	1997 05 17.79436	19 31 26.26	−31 17 52.8		381
(1627)	1997 05 17.49231	08 32 54.27	+20 55 16.9		381
(1627)	1997 05 17.49593	08 32 54.51	+20 55 15.9		381
(1627)	1997 05 17.49885	08 32 54.72	+20 55 15.3		381
(1627)	1997 05 17.50161	08 32 54.96	+20 55 15.5		381
(1866)	1997 05 17.60456	11 28 44.73	+50 58 22.4		381
(1866)	1997 05 17.60682	11 28 44.73	+50 58 20.0		381
(1980)	1997 05 17.78682	19 06 49.46	−10 37 18.8		381
(1980)	1997 05 17.78798	19 06 49.49	−10 37 16.2		381
(1980)	1997 05 18.64748	19 07 07.48	−10 06 46.3		381

(1980)	1997 05 18.64878	19 07 07.51	−10 06 43.2			381
(2063)	1997 05 17.50605	08 43 08.70	+22 43 18.9		F	381
(2063)	1997 05 17.50827	08 43 09.42	+22 43 15.1		F	381
(3103)	1997 05 17.56822	10 11 42.41	+31 13 33.0			381
(3103)	1997 05 17.57032	10 11 42.58	+31 13 32.0			381
(3671)	1997 05 18.55227	13 30 57.08	+26 13 53.9			381
(3671)	1997 05 18.55392	13 30 56.86	+26 13 52.6			381
(3671)	1997 05 18.55556	13 30 56.64	+26 13 51.5			381
(4341)	1997 05 18.61885	16 58 30.60	+04 12 36.3			381
(4341)	1997 05 18.62021	16 58 30.32	+04 12 34.6			381
(5332)	1997 05 17.66580	16 41 14.92	+15 31 47.9			381
(5332)	1997 05 17.66799	16 41 14.80	+15 31 47.2			381
(5332)	1997 05 17.67126	16 41 14.57	+15 31 48.3			381
(6050)	1997 05 17.63643	14 54 03.34	−09 55 05.4			381
(6050)	1997 05 17.63983	14 54 03.08	−09 55 04.1			381
(6569)	1997 05 17.61790	11 52 18.25	+43 13 32.3			381
(6569)	1997 05 17.62185	11 52 18.55	+43 13 26.8			381
(7482)	1997 05 18.65587	20 34 52.09	+37 32 15.9			381
(7482)	1997 05 18.65789	20 34 52.02	+37 32 14.0			381
(7482)	1997 05 18.66153	20 34 51.84	+37 32 10.4			381

385 Nihondaira Observatory
T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken, 424 Japan
0.31-m $f/4.7$ reflector + CCD
GSC, USNO-A1.0

1987 TA	1997 06 07.61080	16 27 21.60	−29 51 07.2		I	385
1987 TA	1997 06 07.62020	16 27 20.93	−29 51 05.6	17.4 V		385
1988 XB	1997 05 25.53751	16 30 47.27	−19 58 02.0	17.5 V		385
1988 XB	1997 05 25.54472	16 30 46.21	−19 58 03.9			385
1988 XB	1997 05 25.54784	16 30 45.81	−19 58 03.2			385
1988 XB	1997 06 05.50800	15 58 42.03	−20 11 00.4	16.5 V		385
1988 XB	1997 06 05.50964	15 58 41.66	−20 11 00.0			385
1988 XB	1997 06 05.51128	15 58 41.36	−20 11 00.7			385
1988 XB	1997 06 07.58889	15 50 19.64	−20 12 00.3	16.1 V		385
1988 XB	1997 06 07.59352	15 50 18.41	−20 12 00.2			385
1988 XB	1997 06 07.59532	15 50 17.91	−20 12 00.1			385
1988 XB	1997 06 07.59714	15 50 17.44	−20 12 00.2			385
1988 XB	1997 06 07.59894	15 50 16.95	−20 12 00.3			385
1990 UK	1997 05 25.48641	14 19 22.62	−11 45 42.9	18.7 V		385
1990 UK	1997 05 25.50910	14 19 21.60	−11 45 45.0			385
1991 AB	1997 06 07.63120	16 46 09.99	−07 10 31.8	18.3 V		385
1991 AB	1997 06 07.64597	16 46 09.18	−07 10 32.3			385
1991 YC	1997 06 07.63674	16 54 29.81	−08 52 51.5	17.8 V		385
1991 YC	1997 06 07.65056	16 54 28.92	−08 52 54.4			385
1993 FQ	1997 06 07.62564	16 34 33.14	−14 22 47.8	17.0 V		385
1993 FQ	1997 06 07.64140	16 34 32.23	−14 22 42.9			385
1994 NS	1997 05 25.47628	13 38 12.89	−05 03 42.0	17.5 V		385
1994 NS	1997 05 25.50260	13 38 12.41	−05 03 32.9			385
1994 NS	1997 06 05.46965	13 37 45.92	−04 21 15.8	18.2 V		385
1994 NS	1997 06 05.52438	13 37 46.24	−04 21 08.1			385
1994 QW	1997 06 07.66233	17 04 59.52	−09 49 33.8	17.3 V		385
1994 QW	1997 06 07.66655	17 04 59.24	−09 49 33.7			385
1994 QW	1997 06 07.67343	17 04 58.80	−09 49 34.0			385
1994 RN_1	1997 06 07.62564	16 34 18.23	−14 21 29.9	17.4 V		385
1994 RN_1	1997 06 07.64140	16 34 17.20	−14 21 30.3		I	385
1994 TS_3	1997 06 05.45987	13 34 29.49	−12 31 03.0	18.4 V		385
1994 TS_3	1997 06 05.49713	13 34 28.58	−12 31 04.4			385
1994 UB_1	1997 06 07.56976	15 41 33.00	−27 41 53.5	16.5 V	I	385
1994 UE_1	1997 06 07.60515	15 47 39.31	−19 29 56.9	18.1 V		385
1994 UE_1	1997 06 07.61554	15 47 38.78	−19 29 53.6			385
1994 WQ_3	1997 05 25.48154	13 43 52.64	−01 28 26.0	17.5 V		385
1994 WQ_3	1997 05 25.50578	13 43 51.93	−01 28 21.8			385
1995 WZ_3	1997 06 07.65597	17 24 12.34	−27 31 52.1	15.4 V		385
1995 WZ_3	1997 06 07.65792	17 24 12.23	−27 31 52.4			385
1995 WZ_3	1997 06 07.67001	17 24 11.31	−27 31 55.3			385
1996 AL_2	1997 05 25.49940	15 04 57.42	+03 10 51.8	16.2 V		385
1996 AL_2	1997 05 25.51556	15 04 56.60	+03 10 47.8			385

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

1994 UK_1	1997 03 28.49554	10 57 34.82	+09 27 18.8	17.6 V	400
1994 UK_1	1997 03 28.52295	10 57 33.63	+09 27 22.1		400
1997 DT	1997 03 28.47516	10 38 13.93	+13 00 55.1	17.6 V	400
1997 DT	1997 03 28.50378	10 38 12.87	+13 01 01.8		400
1997 ER_{17}	1997 03 28.48990	10 28 00.89	+05 55 06.2	17.9 V	400
1997 ER_{17}	1997 03 28.51744	10 27 59.76	+05 55 12.0		400
1997 ES_{17}	1997 03 28.49271	10 29 08.68	+04 32 22.7	17.8 V	400
1997 ES_{17}	1997 03 28.52021	10 29 07.44	+04 32 28.3		400
1997 ET_{17}	1997 03 28.48159	10 33 20.81	+06 50 04.2	18.0 V	400
1997 ET_{17}	1997 03 28.50924	10 33 19.77	+06 50 12.5		400
1997 EU_{17}	1997 03 28.48436	10 35 38.92	+04 15 51.3	17.2 V	400
1997 EU_{17}	1997 03 28.51198	10 35 37.79	+04 15 53.1		400
1997 EV_{17}	1997 03 28.48713	10 31 50.41	+02 43 33.3	17.6 V	400
1997 EV_{17}	1997 03 28.51471	10 31 49.39	+02 43 39.2		400
1997 GU_3	1997 04 15.53052	13 05 14.54	−04 10 23.2	17.8 V	400
1997 GU_3	1997 04 15.54926	13 05 13.58	−04 10 21.4		400
1997 GV_3	1997 04 15.53257	13 02 20.52	−05 07 26.0	17.4 V	400
1997 GV_3	1997 04 15.55130	13 02 19.29	−05 07 24.0		400
1997 GV_3	1997 05 03.49461	12 46 32.98	−04 58 55.5	18.2 V	400
1997 GV_3	1997 05 03.52903	12 46 31.78	−04 58 58.6		400
1997 GX_{24}	1997 04 15.54287	13 48 26.16	−06 42 15.8	17.3 V	400
1997 GX_{24}	1997 04 15.56150	13 48 25.29	−06 42 12.0		400
1997 GX_{24}	1997 05 03.51377	13 35 28.55	−05 32 29.6	17.4 V	400
1997 GX_{24}	1997 05 03.54133	13 35 27.41	−05 32 24.2		400
1997 GR_{25}	1997 04 15.54493	13 41 03.43	−05 37 22.0	17.4 V	400
1997 GR_{25}	1997 04 15.56353	13 41 02.36	−05 37 16.7		400

402 Dynic Astronomical Observatory
A. Sugie, Dynic Astronomical Observatory, Taga 283-1, Taga, Inukami-Gun, Shiga-Ken 522-03, Japan [hhf00201@niftyserve.or.jp]
0.60-m $f/5.0$ reflector + CCD
GSC

1988 XB	1997 05 28.63179	16 23 31.43	−20 02 16.1	17.9 V		402
1988 XB	1997 05 28.63338	16 23 31.18	−20 02 16.1			402
1988 XB	1997 05 28.63497	16 23 30.91	−20 02 16.4			402
1988 XB	1997 05 31.65303	16 15 09.31	−20 06 10.7	17.4 V		402
1988 XB	1997 05 31.65512	16 15 08.88	−20 06 10.6			402
1988 XB	1997 05 31.65720	16 15 08.53	−20 06 10.7			402
1988 XB	1997 06 06.62656	15 54 17.26	−20 11 38.9	16.7 V		402
1988 XB	1997 06 06.62865	15 54 16.72	−20 11 38.9			402
1988 XB	1997 06 06.63073	15 54 16.20	−20 11 38.9			402
1988 XB	1997 06 07.61366	15 50 13.08	−20 12 00.3	16.6 V		402
1988 XB	1997 06 07.61505	15 50 12.72	−20 12 00.4			402
1988 XB	1997 06 07.61644	15 50 12.34	−20 12 00.4			402
1988 XB	1997 06 12.56863	15 26 41.85	−20 09 21.3	16.3 V		402
1988 XB	1997 06 12.57002	15 26 41.39	−20 09 21.2			402
1988 XB	1997 06 12.57141	15 26 40.92	−20 09 21.0			402
1988 XB	1997 06 13.50527	15 21 38.19	−20 07 41.9	16.7 V		402
1988 XB	1997 06 13.50665	15 21 37.72	−20 07 41.7			402
1988 XB	1997 06 13.50804	15 21 37.19	−20 07 41.6			402
1994 QC	1997 06 13.66020	17 11 56.91	+43 32 17.1	17.9 V		402
1994 QC	1997 06 13.66367	17 11 56.83	+43 32 15.2			402
1994 QC	1997 06 13.66714	17 11 56.76	+43 32 13.3			402
1997 AR_{16}	1997 05 28.53015	11 16 35.43	−01 33 40.8	17.8 V		402
1997 AR_{16}	1997 05 28.53293	11 16 35.56	−01 33 42.2			402
1997 AR_{16}	1997 05 28.53571	11 16 35.63	−01 33 43.4			402
1997 GH_3	1997 06 12.50385	13 16 46.21	−02 56 42.8	18.9 V		402
1997 GH_3	1997 06 12.50594	13 16 46.54	−02 56 45.8			402
1997 GH_3	1997 06 12.50802	13 16 46.91	−02 56 47.5			402
1997 GA_{26}	1997 05 28.55568	13 12 14.87	−05 22 03.7	17.7 V		402
1997 GA_{26}	1997 05 28.55846	13 12 14.85	−05 22 04.7			402
1997 GA_{26}	1997 05 28.56124	13 12 14.83	−05 22 05.8			402
1997 GA_{26}	1997 05 31.58735	13 12 15.49	−05 41 45.1	17.9 V		402
1997 GA_{26}	1997 05 31.58943	13 12 15.48	−05 41 45.7			402
1997 GA_{26}	1997 05 31.59152	13 12 15.48	−05 41 47.0			402
1997 GA_{26}	1997 06 07.59234	13 13 32.08	−06 32 30.7	17.8 V		402
1997 GA_{26}	1997 06 07.59512	13 13 32.14	−06 32 31.5			402
1997 GA_{26}	1997 06 07.59789	13 13 32.23	−06 32 33.4			402
1997 LR	1997 06 05.60777	15 50 56.96	−07 14 39.6		I	402
1997 LR	1997 06 05.60985	15 50 56.77	−07 14 40.0	19.4 V	I	402
1997 LR	1997 06 06.60870	15 49 53.05	−07 15 29.8	19.0 V		402
1997 LR	1997 06 06.61079	15 49 52.89	−07 15 30.6	19.1 V		402
1997 LR	1997 06 06.61622	15 49 52.55	−07 15 30.7	19.2 V		402
1997 LY_4	1997 06 12.61648	19 40 04.15	−12 26 13.2	16.9 V		402
1997 LY_4	1997 06 12.61926	19 40 04.23	−12 26 08.7			402
1997 LY_4	1997 06 12.62204	19 40 04.31	−12 26 04.1			402
(1980)	1997 06 13.62487	18 59 44.76	+10 01 12.7	15.0 V		402
(1980)	1997 06 13.62591	18 59 44.71	+10 01 16.2			402
(1980)	1997 06 13.62696	18 59 44.64	+10 01 19.4			402
(5332)	1997 06 07.62666	16 18 49.49	+15 34 16.6	19.6 V		402
(5332)	1997 06 07.62943	16 18 49.39	+15 34 16.8			402

413 Siding Spring

C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@laban.uu.se]

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

1994 RU	1993 04 16.52653	12 07 59.55	+02 11 02.6	17.9	413
1996 DA_3	1993 04 18.43884	12 51 06.38	−04 24 28.5	17.2	413
1997 GE_8	1993 04 21.61042	12 18 43.54	−02 39 52.1	19.1	413
1997 GL_8	1993 04 16.57641	12 56 34.59	−05 21 02.3	16.8	413

422 Loomberah

G. J. Garradd, P.O. Box 157, Tamworth, NSW 2340, Australia [gjg@mpx.com.au]
0.25-m f/4.1 reflector + CCD
GSC

1986 PU_1	1997 06 08.74577	19 40 30.05	−24 38 38.8	18.8 R	422
1986 PU_1	1997 06 08.74801	19 40 30.02	−24 38 39.2	18.7 R	422
1986 PU_1	1997 06 08.75024	19 40 29.93	−24 38 39.3	18.8 R	422
1997 LR	1997 06 07.54134	15 48 54.44	−07 16 19.3	18.9 R	422
1997 LR	1997 06 07.55401	15 48 53.55	−07 16 20.2	18.8 R	422
1997 LR	1997 06 07.56191	15 48 53.08	−07 16 20.6	19.1 R	422
(15)	1997 05 24.74963	18 05 59.49	−32 38 09.5	9.4 R	422
(15)	1997 05 24.75042	18 05 59.46	−32 38 09.4	9.3 R	422
(15)	1997 05 24.75122	18 05 59.42	−32 38 09.3	9.3 R	422
(15)	1997 06 02.75260	17 58 14.26	−32 26 50.9	9.0 R	422
(15)	1997 06 02.75341	17 58 14.20	−32 26 50.7	9.0 R	422
(15)	1997 06 02.75423	17 58 14.16	−32 26 50.6	9.0 R	422
(46)	1997 05 24.47907	16 06 58.02	−17 29 35.5	12.7 R	422
(46)	1997 05 24.47991	16 06 57.98	−17 29 35.4	12.7 R	422
(46)	1997 05 24.48076	16 06 57.92	−17 29 35.2	12.7 R	422
(46)	1997 06 02.74035	15 57 58.39	−17 00 42.9	12.9 R	422
(46)	1997 06 02.74116	15 57 58.36	−17 00 42.5	12.8 R	422
(46)	1997 06 02.74195	15 57 58.30	−17 00 42.3	12.8 R	422
(69)	1997 06 02.76970	22 05 17.23	−03 56 31.7	13.8 R	422
(69)	1997 06 02.77049	22 05 17.24	−03 56 31.5	13.9 R	422
(69)	1997 06 02.77129	22 05 17.26	−03 56 31.3	13.8 R	422
(126)	1997 05 24.77239	19 11 02.09	−26 36 39.9	12.2 R	422
(126)	1997 05 24.77326	19 11 02.08	−26 36 40.1	12.3 R	422
(126)	1997 05 24.77413	19 11 02.07	−26 36 40.2	12.3 R	422
(126)	1997 06 08.72013	19 04 21.15	−27 14 40.3	12.8 R	422
(126)	1997 06 08.72095	19 04 21.12	−27 14 40.3	12.6 R	422
(126)	1997 06 08.72177	19 04 21.08	−27 14 40.4	12.7 R	422
(170)	1997 05 24.78472	21 12 44.19	−18 31 33.8	14.5 R	422
(170)	1997 05 24.78559	21 12 44.21	−18 31 33.6	14.5 R	422
(170)	1997 05 24.78647	21 12 44.23	−18 31 33.4	14.5 R	422
(170)	1997 06 02.76094	21 14 53.37	−17 51 02.3	14.1 R	422
(170)	1997 06 02.76342	21 14 53.39	−17 51 01.6	14.1 R	422
(170)	1997 06 02.76425	21 14 53.40	−17 51 01.5	14.2 R	422
(170)	1997 06 08.76524	21 15 11.53	−17 26 47.6	13.3 R	422
(170)	1997 06 08.76980	21 15 11.53	−17 26 46.5	14.5 R	422
(183)	1997 05 24.76290	18 48 43.52	+05 04 47.3	15.0 R	422
(183)	1997 05 24.76377	18 48 43.51	+05 04 47.3	15.0 R	422
(183)	1997 05 24.76465	18 48 43.48	+05 04 47.3	15.1 R	422
(183)	1997 06 08.71054	18 39 46.06	+05 27 05.3	15.1 R	422
(183)	1997 06 08.71153	18 39 46.01	+05 27 05.3	14.9 R	422

(183)	1997 06 08.71249	18 39 45.95	+05 27 05.3	15.2	R	422
(253)	1997 05 24.81241	00 48 53.54	+06 13 19.4	14.8	R	422
(253)	1997 05 24.81317	00 48 53.64	+06 13 20.2	14.8	R	422
(253)	1997 05 24.81394	00 48 53.73	+06 13 20.9	14.8	R	422
(253)	1997 05 24.81469	00 48 53.82	+06 13 21.6	14.7	R	422
(253)	1997 06 02.79551	01 07 26.92	+07 47 52.2	14.6	R	422
(253)	1997 06 02.79717	01 07 27.13	+07 47 53.2	14.5	R	422
(253)	1997 06 02.79800	01 07 27.25	+07 47 53.8	14.6	R	422
(253)	1997 06 08.81133	01 19 41.36	+08 47 25.7	15.1	R	422
(253)	1997 06 08.81296	01 19 41.56	+08 47 26.7	15.0	R	422
(253)	1997 06 08.81461	01 19 41.75	+08 47 28.0	15.1	R	422
(313)	1997 06 08.78893	22 10 40.25	−01 06 45.5	14.9	R	422
(313)	1997 06 08.78976	22 10 40.26	−01 06 45.3	14.9	R	422
(313)	1997 06 08.79057	22 10 40.30	−01 06 45.2	15.0	R	422

423 North Ryde

S. McAndrew, 2/32 Twin Rd, North Ryde, NSW 2113, Australia
[mcandrew@trinity.nsw.edu.au]

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

1970 OB	1997 05 17.57438	16 24 11.85	−17 52 36.4	15.8	V	423
1970 OB	1997 05 25.53046	16 16 24.66	−18 02 01.6	15.9	V	423
1970 OB	1997 05 25.57093	16 16 21.98	−18 02 04.7	16.1	V	423
1970 OB	1997 05 25.59678	16 16 20.32	−18 02 06.1	16.3	V	423
1970 OB	1997 05 25.61656	16 16 19.00	−18 02 08.3	16.5	V	423
1988 XB	1997 05 29.52086	16 21 12.81	−20 02 53.7	18.0	V	423
1988 XB	1997 05 29.54059	16 21 09.44	−20 02 56.2	17.7	V	423
1988 XB	1997 05 29.55277	16 21 07.38	−20 02 57.1	17.4	V	423
1988 XB	1997 05 30.51723	16 18 28.51	−20 04 11.1	16.8	V	423
1988 XB	1997 05 30.54457	16 18 23.58	−20 04 13.5	16.8	V	423
1988 XB	1997 05 30.55029	16 18 22.52	−20 04 14.0	16.9	V	423
1988 XB	1997 05 30.55620	16 18 21.50	−20 04 14.2	16.8	V	423
1988 XB	1997 05 30.56175	16 18 20.45	−20 04 15.1	17.0	V	423
1988 XB	1997 05 30.56808	16 18 19.29	−20 04 15.1	16.6	V	423
1988 XB	1997 05 30.58023	16 18 17.14	−20 04 16.4	16.5	V	423
1988 XB	1997 05 30.58554	16 18 16.18	−20 04 16.4	16.7	V	423
1988 XB	1997 05 30.59257	16 18 14.90	−20 04 17.0	16.9	V	423
1988 XB	1997 05 30.59889	16 18 13.73	−20 04 17.2	17.2	V	423
1988 XB	1997 05 30.64912	16 18 04.61	−20 04 20.7	16.6	V	423
1988 XB	1997 05 31.56977	16 15 24.72	−20 05 29.9	16.9	V	423
1988 XB	1997 05 31.57463	16 15 23.78	−20 05 30.5	16.6	V	423
1988 XB	1997 05 31.59773	16 15 19.34	−20 05 31.8	16.7	V	423
1988 XB	1997 05 31.61382	16 15 16.29	−20 05 32.9	16.8	V	423
1988 XB	1997 05 31.62595	16 15 14.00	−20 05 33.6	17.1	V	423
1988 XB	1997 06 02.57464	16 09 06.79	−20 07 47.6	16.5	V	423
1988 XB	1997 06 02.58848	16 09 03.83	−20 07 48.0	16.5	V	423
1988 XB	1997 06 02.60166	16 09 01.05	−20 07 48.5	16.7	V	423
1997 LY_4	1997 06 14.57345	19 41 06.99	−11 33 01.5	16.5	V	423
1997 LY_4	1997 06 14.57910	19 41 07.10	−11 32 52.5	16.3	V	423
1997 LY_4	1997 06 14.58611	19 41 07.25	−11 32 40.9	16.5	V	423
1997 LY_4	1997 06 14.64022	19 41 08.46	−11 31 12.7	16.6	V	423
1997 LY_4	1997 06 14.64785	19 41 08.61	−11 30 59.7	16.5	V	423
1997 LY_4	1997 06 14.65367	19 41 08.83	−11 30 51.7	16.6	V	423
1997 LY_4	1997 06 14.69676	19 41 09.75	−11 29 41.0	16.7	V	423
1997 LY_4	1997 06 14.70389	19 41 09.77	−11 29 27.3	16.5	V	423
1997 LY_4	1997 06 14.70918	19 41 09.85	−11 29 20.0	16.3	V	423
1997 LY_4	1997 06 14.71573	19 41 10.14	−11 29 09.3	16.9	V	423
(1388)	1997 06 07.72804	19 27 14.74	−33 24 53.8	15.8	V	423
(1388)	1997 06 07.74155	19 27 14.27	−33 24 59.0	15.5	V	423
(1388)	1997 06 08.51858	19 26 51.15	−33 29 55.0	16.0	V	423
(1388)	1997 06 08.53089	19 26 50.80	−33 29 59.4	15.8	V	423
(1388)	1997 06 08.57581	19 26 49.32	−33 30 18.0	15.7	V	423
(1388)	1997 06 08.58900	19 26 48.88	−33 30 22.7	15.7	V	423
(1388)	1997 06 08.60147	19 26 48.46	−33 30 27.4			423
(1406)	1997 06 05.56757	18 37 03.67	−39 50 50.4	16.0	V	423
(1406)	1997 06 07.55752	18 35 12.87	−39 54 14.6			423

552 San Vittore

E. Colombini, Via S. Vittore 44, I-40136 Bologna, Italy
[astrofil@astbo1.bo.cnr.it]
Observers C. Vacchi, G. Sassi, E. Colombini, R. Di Luca

0.45-m $f/3.3$ reflector + CCD
GSC

1982 WA	1997 05 30.89421	16 03 03.18	−23 20 46.1	18.5	V	552
1982 WA	1997 05 30.93333	16 03 01.04	−23 20 32.5			552
1982 WA	1997 06 06.86216	15 56 48.65	−22 40 29.7	19.0	V	552
1982 WA	1997 06 06.88229	15 56 47.82	−22 40 22.3			552
1997 JQ	1997 05 28.86206	13 24 43.65	−00 16 20.3	19.3	V	552
1997 JQ	1997 05 28.91117	13 24 42.81	−00 16 31.9			552
1997 JR	1997 05 28.85669	13 22 01.10	−00 15 14.0	18.4	V	552
1997 JR	1997 05 28.90398	13 21 59.67	−00 15 24.3			552
1997 JX	1997 05 28.87426	13 26 33.39	+00 17 04.8	19.5	V	552
1997 JX	1997 05 28.91949	13 26 32.63	+00 16 57.4			552
1997 JC_1	1997 05 28.84899	13 21 42.38	−02 43 19.9	18.4	V	552
1997 JC_1	1997 05 28.88641	13 21 41.81	−02 43 40.9			552

557 Ondřejov

P. Pravec, Astronomical Institute, Czech Academy of Sciences, CZ-25165 Ondřejov, Czech Republic [ppravec@asu.cas.cz]
Observers P. Pravec, L. Šarounová, J. Mánek

0.65-m $f/3.6$ reflector + CCD
GSC, USNO-SA1.0

1991 CS	1997 06 11.02543	12 39 22.70	+54 17 10.9		W	557
1996 FR_1	1997 05 31.03174	17 50 16.34	−13 17 52.5			557
1996 FR_1	1997 05 31.03306	17 50 16.29	−13 17 52.2			557
1996 FR_1	1997 06 01.99767	17 48 51.51	−13 10 07.4	17.9	V	557
1996 FR_1	1997 06 02.01873	17 48 50.57	−13 10 02.9	18.0	V	557
1996 FR_1	1997 06 02.02353	17 48 50.34	−13 10 02.1	18.0	V	557
1996 FR_1	1997 06 10.99291	17 41 50.27	−12 37 48.2	17.8	V	557
1997 BR	1997 05 30.95580	09 05 28.28	+77 49 01.6			557
1997 BR	1997 05 30.96153	09 05 27.58	+77 49 06.8			557
1997 BR	1997 05 30.96453	09 05 27.23	+77 49 09.4			557
1997 BR	1997 05 30.96766	09 05 26.86	+77 49 12.2			557
1997 BR	1997 06 10.03637	08 03 27.31	+80 38 46.7			557
1997 BR	1997 06 10.04227	08 03 23.47	+80 38 51.1			557
1997 EL_{11}	1997 06 01.94847	11 50 50.52	+14 11 06.3	18.8	V	557

1997 EL_{11}	1997 06 01.95086	11 50 50.60	+14 11 05.5	18.9	V	557
1997 GH_3	1997 06 10.87605	13 12 29.02	−02 29 10.9			557
1997 GH_3	1997 06 10.87837	13 12 29.34	−02 29 12.5	18.9	V	557
1997 JD	1997 06 01.88638	11 49 14.28	−04 21 57.9		r	557
1997 JD	1997 06 01.89751	11 49 14.75	−04 21 58.1		r	557
1997 JD	1997 06 01.89987	11 49 14.70	−04 21 57.6		r	557
1997 JD	1997 06 01.90219	11 49 14.69	−04 21 59.2		r	557
1997 JO	1997 06 01.87691	11 53 32.29	−08 02 07.3			557
1997 JO	1997 06 01.87890	11 53 32.35	−08 02 07.3			557
1997 JO	1997 06 01.88287	11 53 32.56	−08 02 09.3			557
1997 LR	1997 06 05.88693	15 50 39.15	−07 14 53.6	18.6	V	557
1997 LR	1997 06 05.89278	15 50 38.81	−07 14 54.1			557
1997 LR	1997 06 05.89561	15 50 38.62	−07 14 54.0			557
1997 LY_4	1997 06 11.97134	19 39 41.12	−12 43 28.2			557
1997 LY_4	1997 06 11.97503	19 39 41.26	−12 43 22.4			557
1997 LY_4	1997 06 11.97720	19 39 41.32	−12 43 19.0			557
1997 LY_4	1997 06 12.04728	19 39 43.44	−12 41 27.4			557
1997 LY_4	1997 06 12.04959	19 39 43.50	−12 41 23.8			557
1997 LY_4	1997 06 12.05209	19 39 43.57	−12 41 20.1			557
(1627)	1997 02 02.90309	08 27 06.84	+17 55 53.3	15.8	V	557
(1627)	1997 02 02.95177	08 27 03.05	+17 56 14.4			557
(1627)	1997 02 02.99884	08 26 59.39	+17 56 34.8			557
(1627)	1997 02 03.05233	08 26 55.23	+17 56 57.6			557
(1627)	1997 02 03.10925	08 26 50.84	+17 57 21.9			557
(3671)	1997 06 03.91302	12 56 25.38	+19 19 47.3	15.6	V	557
(3671)	1997 06 03.95866	12 56 19.10	+19 17 52.5	15.5	V	557
(3671)	1997 06 03.98091	12 56 16.07	+19 16 56.2	15.6	V	557
(3671)	1997 06 03.99552	12 56 14.11	+19 16 19.1	15.6	V	557
(3671)	1997 06 04.00178	12 56 13.27	+19 16 03.1	15.5	V	557
(3671)	1997 06 06.87859	12 49 55.16	+17 06 38.7	15.5	V	557
(3671)	1997 06 06.90410	12 49 51.50	+17 05 23.2	15.6	V	557
(3671)	1997 06 06.93080	12 49 47.74	+17 04 03.9	15.6	V	557
(3671)	1997 06 06.95881	12 49 43.84	+17 02 40.4	15.5	V	557
(3671)	1997 06 06.98542	12 49 40.15	+17 01 21.0	15.5	V	557
(3671)	1997 06 09.89348	12 43 06.79	+14 27 04.4	15.5	V	557
(3671)	1997 06 09.91949	12 43 02.98	+14 25 33.8	15.4	V	557
(3671)	1997 06 09.92794	12 43 01.75	+14 25 04.6	15.4	V	557
(3671)	1997 06 09.94317	12 42 59.55	+14 24 11.4	15.4	V	557
(3671)	1997 06 10.88818	12 40 48.61	+13 28 28.0	15.4	V	557
(3671)	1997 06 10.93394	12 40 41.83	+13 25 40.2	15.4	V	557
(3671)	1997 06 10.97314	12 40 36.13	+13 23 16.0	15.5	V	557
(4341)	1997 05 17.89454	17 01 01.18	+04 27 09.9			557
(4341)	1997 05 17.96338	17 00 46.50	+04 25 46.7			557
(4341)	1997 05 18.00762	17 00 37.04	+04 24 53.2			557
(4341)	1997 05 18.06081	17 00 25.68	+04 23 48.8			557
(7482)	1997 06 07.90493	20 11 53.31	+30 11 41.7	17.5	V	557
(7482)	1997 06 07.93590	20 11 49.95	+30 10 43.5			557
(7482)	1997 06 07.94664	20 11 48.80	+30 10 23.4			557
(7482)	1997 06 07.98229	20 11 44.86	+30 09 16.4			557

560 Madonna di Dossobuono

L. Lai, Via Mantovana 130e, I-37062 Dossobuono (Verona), Italy
[astrofil@astbo1.bo.cnr.it]

Observers L. Lai, I. Rocchetti, G. Vesentini
0.40-m $f/3.5$ reflector + CCD
GSC

1997 GL_1	1997 05 04.86336	11 14 00.48	+04 31 50.8	17.8 V	560
1997 GL_1	1997 05 04.87808	11 14 00.51	+04 31 52.5		560
1997 GL_1	1997 05 04.88914	11 14 00.59	+04 31 54.4		560
1997 GL_1	1997 05 10.83969	11 14 29.01	+04 44 42.0	17.8 V	560
1997 GL_1	1997 05 10.85452	11 14 29.08	+04 44 43.5		560
1997 GL_1	1997 05 10.87428	11 14 29.25	+04 44 44.7		560
1997 GL_1	1997 05 28.81819	11 20 08.22	+04 51 33.2	18.0 V	560
1997 GL_1	1997 05 28.83000	11 20 08.46	+04 51 31.7		560
1997 GL_1	1997 05 28.84015	11 20 08.76	+04 51 31.3		560
1997 GL_1	1997 05 30.81675	11 21 07.32	+04 49 33.5	18.0 V	560
1997 GL_1	1997 05 30.82378	11 21 07.56	+04 49 33.8		560
1997 GL_1	1997 05 30.83599	11 21 07.82	+04 49 32.8		560

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. Bambery, S. Levin, J. Lorre, S. Shaklan, R. Byrd, A. Esquibel, C. Cotton, D. Bascon
1-m $f/2.2$ Ritchey-Chrétien + CCD

1978 RD_{10}	1997 06 04.42066	15 54 30.84	−17 19 18.3	19.2 V	566
1978 RD_{10}	1997 06 04.42920	15 54 30.44	−17 19 16.9	18.8 V	566
1978 RD_{10}	1997 06 04.43761	15 54 30.02	−17 19 15.6	18.6 V	566
1981 EY_{17}	1997 06 03.50523	15 00 28.74	−13 53 33.5	19.6 V	566
1981 EY_{17}	1997 06 03.51362	15 00 28.35	−13 53 32.2	19.8 V	566
1981 EY_{17}	1997 06 03.52396	15 00 27.88	−13 53 30.9	19.9 V	566
1989 GL_4	1997 06 04.24787	11 42 08.27	+00 56 25.0	19.7 V	566
1989 GL_4	1997 06 04.25640	11 42 08.77	+00 56 25.0	19.4 V	566
1989 GL_4	1997 06 04.26484	11 42 09.22	+00 56 25.3	19.5 V	566
1990 SL	1997 06 01.44947	16 18 19.46	−12 13 16.7	15.6 V	566
1990 SL	1997 06 01.46068	16 18 18.39	−12 13 29.3	15.4 V	566
1990 SL	1997 06 01.46908	16 18 17.61	−12 13 39.4	15.4 V	566
1991 AD	1997 06 03.50935	15 40 05.65	−23 22 00.7	17.8 V	566
1991 AD	1997 06 03.51861	15 40 05.20	−23 21 57.7	17.9 V	566
1991 AD	1997 06 03.53212	15 40 04.43	−23 21 53.7	17.9 V	566
1991 VM_4	1997 06 03.50935	15 40 41.39	−22 22 17.1	19.2 V	566
1991 VM_4	1997 06 03.51861	15 40 40.92	−22 22 15.6	19.4 V	566
1991 VM_4	1997 06 03.53212	15 40 40.06	−22 22 13.5	19.2 V	566
1993 FC_{22}	1995 12 19.54041	08 20 25.94	+17 23 43.8	18.0 V	566
1993 FC_{22}	1995 12 19.56122	08 20 25.20	+17 23 45.2	18.3 V	566
1993 FC_{22}	1995 12 19.58200	08 20 24.36	+17 23 47.8	18.5 V	566
1994 PS_{11}	1997 06 04.41863	15 53 00.68	−19 24 19.9	18.2 V	566
1994 PS_{11}	1997 06 04.42707	15 53 00.20	−19 24 18.1	18.3 V	566
1994 PS_{11}	1997 06 04.43545	15 52 59.75	−19 24 16.4	18.2 V	566
1997 EW_{25}	1997 06 02.26812	11 54 57.66	−01 25 17.1	19.7 V	566
1997 EW_{25}	1997 06 02.27656	11 54 57.99	−01 25 20.7	19.3 V	566
1997 EW_{25}	1997 06 02.28501	11 54 58.40	−01 25 24.5	19.5 V	566
1997 GH_3	1997 06 01.29067	12 45 05.38	+00 26 36.2	19.4 V	566
1997 GH_3	1997 06 01.29918	12 45 06.95	+00 26 26.6	19.1 V	566

1997 GH_3	1997 06 01.30824	12 45 08.56	+00 26 15.9	18.8	V	566
1997 GQ_7	1996 04 18.27560	09 24 12.82	+34 07 17.1	19.5	V	566
1997 GQ_7	1996 04 18.29947	09 24 13.34	+34 07 03.4	19.1	V	566
1997 GQ_7	1996 04 18.32785	09 24 14.04	+34 06 48.1	18.8	V	566
1997 GK_{25}	1997 06 03.38218	11 58 37.60	+00 55 46.1	19.0	V	566
1997 GK_{25}	1997 06 03.39061	11 58 38.04	+00 55 44.0	19.5	V	566
1997 GK_{25}	1997 06 03.39900	11 58 38.43	+00 55 41.6	19.2	V	566
1997 JB_8	1997 06 03.50523	15 02 32.52	−13 27 39.8	18.7	V	566
1997 JB_8	1997 06 03.51362	15 02 32.09	−13 27 36.6	18.8	V	566
1997 JB_8	1997 06 03.52396	15 02 31.59	−13 27 32.8	18.6	V	566
1997 JP_{14}	1997 05 07.51242	15 17 37.83	−16 15 13.0	18.8	V	566
1997 JP_{14}	1997 05 07.52337	15 17 37.13	−16 15 11.4	19.2	V	566
1997 JP_{14}	1997 05 07.53180	15 17 36.66	−16 15 10.9	19.3	V	566
1997 JQ_{14}	1997 05 07.51461	15 18 16.89	−14 41 16.5	18.7	V	566
1997 JQ_{14}	1997 05 07.52541	15 18 16.24	−14 41 12.8	18.2	V	566
1997 JQ_{14}	1997 05 07.53397	15 18 15.86	−14 41 10.1	18.8	V	566
1997 JS_{14}	1997 05 07.51461	15 18 40.65	−14 53 10.2	19.1	V	566
1997 JS_{14}	1997 05 07.52541	15 18 39.99	−14 53 07.7	18.6	V	566
1997 JS_{14}	1997 05 07.53397	15 18 39.52	−14 53 05.1	19.0	V	566
1997 JT_{14}	1997 05 07.51461	15 18 02.94	−14 42 31.9	17.8	V	566
1997 JT_{14}	1997 05 07.52541	15 18 02.13	−14 42 31.9	17.8	V	566
1997 JT_{14}	1997 05 07.53397	15 18 01.58	−14 42 31.7	18.0	V	566
1997 JE_{15}	1997 05 07.52939	15 24 20.55	−14 13 20.1	19.1	V	566
1997 JE_{15}	1997 05 07.53777	15 24 20.14	−14 13 18.7	18.8	V	566
1997 JE_{15}	1997 05 07.54618	15 24 19.63	−14 13 16.9	19.7	V	566
1997 JR_{16}	1997 05 07.44305	14 28 37.60	−15 48 55.6	20.1	V	566
1997 JR_{16}	1997 05 07.45155	14 28 37.12	−15 48 54.1	19.2	V	566
1997 JR_{16}	1997 05 07.46010	14 28 36.70	−15 48 52.9	19.7	V	566
1997 JS_{16}	1997 05 07.33610	12 27 01.46	+00 03 08.7	19.5	V	566
1997 JS_{16}	1997 05 07.34453	12 27 01.20	+00 03 08.4	19.8	V	566
1997 JS_{16}	1997 05 07.35306	12 27 00.87	+00 03 08.2	19.3	V	566
1997 LD	* 1997 06 01.58311	23 01 40.66	−01 57 58.5	18.4	V	566
1997 LD	1997 06 01.59164	23 01 41.53	−01 57 53.0	18.2	V	566
1997 LD	1997 06 01.60261	23 01 42.63	−01 57 46.0	18.1	V	566
1997 LD	1997 06 02.58175	23 03 23.39	−01 47 32.4	18.6	V	566
1997 LD	1997 06 02.59050	23 03 24.37	−01 47 27.1	18.9	V	566
1997 LD	1997 06 02.59907	23 03 25.13	−01 47 21.7	18.3	V	566
9058 P-L	1997 05 31.42213	15 12 55.25	−20 14 26.0	19.5	V	566
9058 P-L	1997 05 31.43056	15 12 54.82	−20 14 24.2	19.7	V	566
9058 P-L	1997 05 31.43902	15 12 54.48	−20 14 22.3	19.3	V	566
(2899)	1997 06 03.28199	11 51 25.51	+00 47 15.8	18.8	V	566
(2899)	1997 06 03.35606	11 51 27.46	+00 46 56.7	19.0	V	566
(2899)	1997 06 03.36928	11 51 27.85	+00 46 53.8	18.8	V	566
(3149)	1997 06 02.59669	16 28 04.27	−11 29 25.1	18.1	V	566
(3149)	1997 06 02.60524	16 28 03.76	−11 29 23.5	17.9	V	566
(3149)	1997 06 02.61367	16 28 03.24	−11 29 21.8	18.2	V	566
(3289)	1997 06 01.42361	15 24 33.91	−19 18 54.3	19.5	V	566
(3289)	1997 06 01.43204	15 24 33.58	−19 18 52.8	18.8	V	566
(3289)	1997 06 01.44049	15 24 33.07	−19 18 51.2	18.5	V	566
(7643)	1997 06 03.43032	14 13 26.08	−14 21 08.5	19.3	V	566
(7643)	1997 06 03.44000	14 13 25.72	−14 21 08.1	19.4	V	566
(7643)	1997 06 03.44843	14 13 25.46	−14 21 07.6	19.5	V	566

568 Mauna Kea

D. J. Tholen, Institute for Astronomy, 2680 Woodlawn Drive, Honolulu, HI 96822, U.S.A. [tholen@hale.ifa.hawaii.edu]

C. Veillet, Canada-France-Hawaii Telescope Corporation, P.O. Box 1597, Kamuela, HI 96743, U.S.A. [veillet@cfht.hawaii.edu]

Observers C. Veillet, R. J. Whiteley

Measurers D. J. Tholen, C. Veillet

2.24-m telescope + CCD, 3.6-m telescope + CCD

USNO-A1.0

1989 AE	1997 06 05.31380	11 30 58.99	−00 04 01.2			568
1989 AE	1997 06 05.35373	11 31 00.40	−00 04 09.0			568
1991 JW	1997 05 28.26147	07 16 24.42	+28 07 51.0			568
1991 JW	1997 05 28.27091	07 16 26.62	+28 07 46.4			568
1991 TH_3	1997 06 08.28294	11 29 40.02	+00 04 46.8			568
1991 TH_3	1997 06 08.31647	11 29 41.25	+00 04 43.6			568
1994 JR_1	1997 05 28.54142	16 33 02.00	−18 06 04.8			568
1994 JR_1	1997 05 28.58255	16 33 01.75	−18 06 04.6			568
1996 XW_1	1997 05 30.36525	14 28 07.53	−27 40 34.1	18.8		568
1996 XW_1	1997 05 30.36757	14 28 07.68	−27 40 23.4			568
1996 XW_1	1997 05 31.36235	14 29 27.84	−26 21 29.5			568
1996 XW_1	1997 05 31.36582	14 29 28.07	−26 21 14.1			568
1997 LT	* 1997 06 05.29384	11 30 32.73	+00 11 30.7			568
1997 LT	1997 06 05.33380	11 30 34.05	+00 11 23.4			568
1997 LT	1997 06 05.35373	11 30 34.68	+00 11 19.3			568
1997 LT	1997 06 06.26884	11 31 06.78	+00 08 40.3			568
1997 LT	1997 06 06.28852	11 31 07.48	+00 08 36.5			568
1997 LT	1997 06 06.30844	11 31 08.20	+00 08 32.6			568
1997 LT	1997 06 06.32855	11 31 08.87	+00 08 28.9			568
1997 LU	* 1997 06 05.29384	11 30 46.17	+00 12 38.7			568
1997 LU	1997 06 05.31380	11 30 46.95	+00 12 39.7			568
1997 LU	1997 06 05.33380	11 30 47.75	+00 12 40.3			568
1997 LU	1997 06 05.35373	11 30 48.52	+00 12 41.7			568
1997 LU	1997 06 06.26884	11 31 26.23	+00 13 31.0			568
1997 LU	1997 06 06.28852	11 31 27.06	+00 13 31.7			568
1997 LV	* 1997 06 05.31380	11 30 19.29	+00 04 48.5			568
1997 LV	1997 06 05.33380	11 30 20.01	+00 04 45.8			568
1997 LV	1997 06 05.35373	11 30 20.75	+00 04 43.6			568
1997 LV	1997 06 06.26884	11 30 57.53	+00 02 48.5			568
1997 LV	1997 06 06.28852	11 30 58.30	+00 02 45.9			568
1997 LV	1997 06 06.30844	11 30 59.09	+00 02 43.5			568
1997 LW	* 1997 06 05.31380	11 30 19.77	+00 01 56.7			568
1997 LW	1997 06 05.33380	11 30 20.57	+00 01 55.4			568
1997 LW	1997 06 05.35373	11 30 21.46	+00 01 54.2			568
1997 LW	1997 06 06.26884	11 31 02.86	+00 00 59.8			568
1997 LW	1997 06 06.28852	11 31 03.68	+00 00 58.5			568
1997 LW	1997 06 06.30844	11 31 04.62	+00 00 57.2			568
1997 LX	* 1997 06 05.31380	11 30 24.28	+00 13 09.7			568
1997 LX	1997 06 05.33380	11 30 24.86	+00 13 04.3			568
1997 LX	1997 06 06.28852	11 30 53.98	+00 08 10.9			568
1997 LX	1997 06 06.32855	11 30 55.16	+00 07 58.7			568
1997 LX	1997 06 07.28970	11 31 25.55	+00 02 59.5			568
1997 LX	1997 06 07.32346	11 31 26.55	+00 02 49.2			568

1997 LR_2	*	1997 06 06.26884	11 30 21.42	+00 01 15.6			568
1997 LR_2		1997 06 06.28852	11 30 21.94	+00 01 09.9			568
1997 LR_2		1997 06 06.30844	11 30 22.38	+00 01 05.1			568
1997 LR_2		1997 06 07.28970	11 30 49.63	−00 03 17.5			568
1997 LR_2		1997 06 07.32346	11 30 50.51	−00 03 26.3			568
1997 LS_2	*	1997 06 06.51857	22 17 33.97	+00 12 48.5			568
1997 LS_2		1997 06 06.53870	22 17 35.29	+00 12 54.3			568
1997 LS_2		1997 06 06.56044	22 17 36.69	+00 13 01.1			568
1997 LS_2		1997 06 07.52400	22 18 39.78	+00 18 00.8			568
1997 LS_2		1997 06 07.54381	22 18 41.03	+00 18 06.4			568
1997 LS_2		1997 06 07.56353	22 18 42.29	+00 18 12.2			568
1997 LS_2		1997 06 07.58306	22 18 43.52	+00 18 18.5			568
1997 LS_2		1997 06 07.60272	22 18 44.79	+00 18 24.3			568
1997 LT_2	*	1997 06 07.28970	11 30 04.97	+00 14 47.2			568
1997 LT_2		1997 06 08.31647	11 30 30.74	+00 05 32.9			568
1997 LU_2	*	1997 06 07.28970	11 30 12.47	−00 01 18.8			568
1997 LU_2		1997 06 07.32346	11 30 13.64	−00 01 20.9			568
1997 LU_2		1997 06 08.28294	11 30 49.55	−00 02 18.4			568
1997 LU_2		1997 06 08.31647	11 30 50.58	−00 02 19.6			568
(253)		1997 05 30.62191	01 00 55.78	+07 15 08.2	15.3		568
(253)		1997 05 30.62433	01 00 56.07	+07 15 09.8	15.3		568
(253)		1997 05 30.62628	01 00 56.31	+07 15 10.9	15.3		568
(1160)		1997 06 05.31380	11 31 17.70	−00 12 58.4			568
(1160)		1997 06 05.35373	11 31 18.64	−00 13 10.4			568
(1692)		1997 05 30.62191	01 00 45.67	+07 17 59.6	16.7		568
(1692)		1997 05 30.62433	01 00 45.89	+07 18 01.0	16.7		568
(1692)		1997 05 30.62628	01 00 46.06	+07 18 02.1	16.7		568
(7066)		1997 05 28.55211	16 43 25.73	−33 49 47.4			568
(7066)		1997 05 28.59267	16 43 25.11	−33 49 47.4			568

587 Sormano

P. Sicoli, Via Valli 9, I-22040 Garbagnate Monastero (Lecco), Italy
[sormano@icil64.cilea.it]

Observers P. Sicoli, F. Manca, M. Cavagna, A. Testa, V. Giuliani, P. Chiavenna
0.5-m reflector + CCD
GSC

1996 XW_1	1997 06 06.88895	14 37 33.63	−19 01 40.5		V	587
1996 XW_1	1997 06 06.89247	14 37 33.93	−19 01 29.8		V	587
1997 BR	1997 05 14.87139	09 05 04.68	+73 57 01.2			587
1997 BR	1997 05 14.88872	09 05 05.60	+73 57 11.2			587
1997 BR	1997 05 27.92399	09 10 25.03	+76 58 59.5		F	587
1997 BR	1997 05 30.91314	09 05 32.93	+77 48 25.9			587
1997 BR	1997 05 30.92008	09 05 32.20	+77 48 32.4			587
1997 CU_{26}	1997 05 28.85780	08 29 04.39	+15 12 19.2		b	587
1997 FN_1	1997 05 27.91880	12 07 39.09	−03 13 11.7			587
1997 FN_1	1997 05 27.93366	12 07 39.72	−03 13 12.8			587
1997 GH_3	1997 05 30.88028	12 40 41.28	+00 54 26.0			587
1997 GH_3	1997 05 30.88305	12 40 41.79	+00 54 23.0			587
1997 JP	1997 05 14.88344	14 09 28.41	+04 06 31.2			587
1997 JP	1997 05 14.90156	14 09 27.77	+04 06 33.2			587
1997 JP	1997 05 27.84431	14 02 42.39	+04 05 23.7			587
1997 JP	1997 05 27.87039	14 02 41.67	+04 05 21.1			587
1997 JP	1997 05 27.94308	14 02 39.83	+04 05 16.2			587
1997 JP	1997 05 28.91614	14 02 16.61	+04 03 50.8			587
1997 JP	1997 05 28.92749	14 02 16.37	+04 03 49.6			587
1997 JP	1997 05 28.93530	14 02 16.14	+04 03 48.8			587
1997 JP	1997 05 28.94850	14 02 15.81	+04 03 47.7			587
1997 JP	1997 05 30.86646	14 01 33.45	+04 00 28.6			587
1997 JP	1997 05 30.90236	14 01 32.65	+04 00 24.4			587
1997 KD	* 1997 05 27.87039	14 02 20.26	+04 09 13.3	18.0	V	587
1997 KD	1997 05 27.94308	14 02 18.03	+04 08 44.5			587
1997 KD	1997 05 28.91614	14 01 50.35	+04 02 52.7			587
1997 KD	1997 05 28.93530	14 01 49.84	+04 02 45.4			587
1997 KD	1997 05 28.94850	14 01 49.50	+04 02 41.1			587
1997 KD	1997 05 30.86340	14 00 59.27	+03 50 40.7			587
1997 KD	1997 05 30.89439	14 00 58.45	+03 50 28.5			587
1997 KD	1997 06 06.87696	13 58 42.66	+03 02 10.3			587
1997 KD	1997 06 06.89872	13 58 42.29	+03 02 00.1			587
(3432)	1997 05 27.88684	09 56 58.32	+19 08 32.0			587
(3432)	1997 05 27.89686	09 56 58.84	+19 08 27.4			587
(4318)	1997 05 27.88252	09 56 53.54	+20 07 19.5			587
(4318)	1997 05 27.89273	09 56 54.14	+20 07 14.3			587

589 Santa Lucia Stroncone

A. Vagnozzi, Via Santa Lucia 68, I-05039 Stroncone (Terni), Italy
[vagnozzi@freenet.hut.fi]

Observers A. Vagnozzi, G. Bernabei, V. Risoldi, E. Gregori, F. Lombardi
0.50-m $f/2.8$ Ritchey-Chrétien + CCD
GSC

1987 RL_1	1997 05 10.86163	14 18 22.63	−11 25 32.6	19.5	V	589
1987 RL_1	1997 05 10.88944	14 18 20.99	−11 25 24.3			589
1987 RL_1	1997 05 12.83339	14 16 26.14	−11 16 00.6	19.7	V	589
1987 RL_1	1997 05 12.84025	14 16 25.76	−11 16 00.3			589
1987 RL_1	1997 05 12.84712	14 16 25.44	−11 16 00.4			589
1995 YM_2	1997 05 30.93209	16 22 45.41	−21 12 54.3	19.5	V	589
1995 YM_2	1997 05 30.94618	16 22 44.54	−21 12 51.5			589
1996 CC_1	1997 05 10.92270	16 42 35.75	−21 41 16.9	18.0	V	589
1996 CC_1	1997 05 10.93311	16 42 35.38	−21 41 14.4			589
1996 CC_1	1997 05 30.93209	16 22 56.45	−21 17 08.3	18.0	V	589
1996 CC_1	1997 05 30.94618	16 22 55.54	−21 17 07.4			589
1996 CC_1	1997 06 09.92060	16 12 17.29	−21 00 52.1	18.9	V	589
1996 CC_1	1997 06 09.92744	16 12 16.83	−21 00 50.9			589
1996 CC_1	1997 06 09.93411	16 12 16.45	−21 00 50.2			589
1996 CC_1	1997 06 11.91680	16 10 17.85	−20 57 41.3	18.7	V	589
1996 CC_1	1997 06 11.92437	16 10 17.37	−20 57 39.4			589
1996 CC_1	1997 06 11.93554	16 10 16.77	−20 57 37.9			589
1996 CC_1	1997 06 11.95016	16 10 15.74	−20 57 35.8			589
(7680)	1997 05 10.86163	14 17 49.22	−11 31 18.8	18.5	V	589
(7680)	1997 05 10.88944	14 17 47.87	−11 31 08.0			589
(7680)	1997 05 12.83339	14 16 19.54	−11 19 59.9	18.8	V	589
(7680)	1997 05 12.84025	14 16 19.24	−11 19 57.6			589
(7680)	1997 05 12.85399	14 16 18.58	−11 19 53.1			589

595 Farra d'Isonzo

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

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

1993 WA	1997 05 28.89124	17 01 28.92	−00 40 18.4		595
1993 WA	1997 05 28.90676	17 01 28.18	−00 40 13.2	18.5 V	595
1993 WA	1997 05 30.94083	16 59 57.50	−00 28 28.5		595
1993 WA	1997 05 30.96071	16 59 56.63	−00 28 22.2		595

596 Colleverde di Guidonia
V. S. Casulli, Via M. Rosa 1, I-00010 Colleverde di Guidonia (RM), Italy [casulli@astrom.astro.it]
0.40-m $f/2.95$ reflector + CCD
GSC

1979 KQ	1997 05 30.84847	15 44 59.74	−11 57 38.1	18.5 V	596
1979 KQ	1997 05 30.86248	15 44 59.06	−11 57 35.3		596
1997 JB_{10}	1997 05 13.85336	15 06 54.01	−12 19 19.2	17.4 V	596
1997 JB_{10}	1997 05 13.88161	15 06 52.30	−12 19 14.6		596
1997 JB_{10}	1997 05 13.88869	15 06 51.80	−12 19 13.3		596
1997 JB_{10}	1997 05 26.82466	14 55 04.77	−11 48 29.0	17.5 V	596
1997 JB_{10}	1997 05 26.84679	14 55 03.74	−11 48 27.3		596
6130 P-L	1997 05 29.87332	16 30 25.16	−16 04 15.5	18.6 V	596
6130 P-L	1997 05 29.88362	16 30 24.69	−16 04 14.4		596
6130 P-L	1997 05 29.90755	16 30 23.11	−16 04 11.5		596
4298 T-1	1997 05 29.87332	16 30 25.64	−15 56 02.1	18.3 V	596
4298 T-1	1997 05 29.89391	16 30 24.41	−15 56 00.4		596
4298 T-1	1997 05 29.90755	16 30 23.66	−15 55 59.6		596
4046 T-3	1997 05 30.84847	15 45 40.60	−11 50 50.8	17.6 V	596
4046 T-3	1997 05 30.86248	15 45 39.79	−11 50 51.1		596
4046 T-3	1997 05 30.87301	15 45 39.15	−11 50 51.5		596
(7312)	1997 05 26.82466	14 55 31.43	−11 53 29.8	17.5 V	596
(7312)	1997 05 26.84679	14 55 30.51	−11 53 24.9		596

599 Campo Imperatore-CINEOS
A. Carusi, Istituto Astrofisica Spaziale–Planetogia, Viale Universitá 11, I-00185 Rome, Italy [carusi@saturn.ias.fra.cnr.it]
Observers A. Boattini, V. D'Ambrosio
Measurers A. Boattini, V. D'Ambrosio, G. Forti
0.60-m $f/3$ Schmidt + CCD

1997 JR_9	1997 06 12.89095	16 01 06.27	−00 34 04.3	19.3 V	599
1997 JR_9	1997 06 12.89627	16 01 06.03	−00 34 06.0		599
1997 JR_9	1997 06 12.90162	16 01 05.80	−00 34 07.2		599
1997 KU_2	1997 06 12.89095	16 01 48.95	−00 39 00.1	18.5 V	599
1997 KU_2	1997 06 12.89627	16 01 48.69	−00 39 01.6		599
1997 KU_2	1997 06 12.90162	16 01 48.44	−00 39 02.5		599
1997 LG_6	* 1997 06 13.07471	23 10 44.39	+07 36 15.0	17.8 V	599
1997 LG_6	1997 06 13.07859	23 10 44.73	+07 36 17.9		599
1997 LG_6	1997 06 13.08264	23 10 45.12	+07 36 21.2		599
1997 LG_6	1997 06 13.08669	23 10 45.49	+07 36 24.4		599

608 Haleakala-AMOS
P. Kervin, Air Force Maui Optical Station, 535 Lipoa Parkway, Suite 200, Kihei, Maui, HI 96753, U.S.A. [paul@ulua.mhpcc.af.mil]
E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@temblor.jpl.nasa.gov]
Observers A. Alday, K. Moore, M. Tranilla, T. Goggia, A. Sylva
Measurers D. O'Connell, P. Kervin, B. Kraszewski, V. Soo Hoo, B. Africano, J. Africano, P. Sydney, D. Nishimoto, A. Angara, B. McCartney
1.2-m reflector + CCD

1988 XB	1997 05 20.40324	16 40 15.42	−19 51 14.9	18.5 R	608
1991 VH	1997 05 20.35670	11 26 35.61	+35 19 44.2	16.6 R	608
1991 VH	1997 05 20.38608	11 26 37.96	+35 19 14.6	16.8 R	608
1993 RR_2	1997 05 20.38293	13 46 47.36	+07 31 12.8	18.5 R	608
1993 RR_2	1997 05 20.42623	13 46 45.21	+07 31 21.6	18.7 R	608
1993 RR_2	1997 06 03.42384	13 38 24.87	+07 48 08.5	18.9 R	608
1993 RR_2	1997 06 03.46972	13 38 23.71	+07 48 05.9	19.2 R	608
1994 QC	1997 05 21.43906	17 13 29.49	+42 24 36.1	18.0 R	608
1994 QC	1997 05 21.50094	17 13 29.24	+42 25 31.5	18.0 R	608
1994 QC	1997 06 03.44036	17 13 32.79	+44 10 50.6	17.9 R	608
1994 QC	1997 06 03.48247	17 13 31.82	+44 10 53.9	17.8 R	608
1997 GF_3	1997 05 27.33966	13 18 54.70	+23 50 29.3	19.3 R	608
1997 GF_3	1997 05 27.38662	13 18 55.99	+23 50 55.8	19.5 R	608
1997 GH_3	1997 05 21.37902	12 07 49.40	+04 17 55.9	17.5 R	608
1997 GH_3	1997 05 21.39870	12 07 53.78	+04 17 28.8	17.4 R	608
1997 GH_3	1997 05 27.32951	12 29 06.15	+02 07 22.7	17.1 R	608
1997 GH_3	1997 05 27.35962	12 29 12.04	+02 06 43.6	16.8 R	608
(1980)	1997 05 21.45371	19 07 51.99	−08 22 58.1	14.8 R	608
(1980)	1997 05 21.51199	19 07 52.46	−08 20 45.8	15.0 R	608
(3015)	1997 05 20.39589	15 05 12.08	−23 59 06.5	17.0 R	608
(3015)	1997 05 20.43029	15 05 10.20	−23 59 06.7	16.5 R	608
(3015)	1997 06 03.43068	14 53 49.12	−23 56 34.5	16.6 R	608
(3015)	1997 06 03.47602	14 53 47.11	−23 56 33.1	17.1 R	608
(3671)	1997 05 21.40655	13 25 03.11	+25 34 08.6	15.3 R	608
(3671)	1997 05 21.44469	13 24 57.93	+25 33 30.4	15.2 R	608
(4341)	1997 05 20.41328	16 52 28.58	+03 36 27.8	15.7 R	608
(4341)	1997 05 20.43632	16 52 23.88	+03 36 00.0	15.7 R	608
(4341)	1997 05 21.43674	16 49 08.63	+03 15 50.3	15.9 R	608
(4341)	1997 05 21.46331	16 49 03.30	+03 15 18.6	15.8 R	608
(5324)	1997 05 20.36428	12 14 53.36	−29 08 19.5	18.5 R	608
(5324)	1997 05 20.39252	12 14 51.41	−29 08 13.5	18.4 R	608
(5332)	1997 05 27.33564	16 30 49.16	+15 49 15.8	19.5 R	608
(5332)	1997 05 27.39572	16 30 45.16	+15 49 17.2	19.8 R	608
(5332)	1997 06 03.43441	16 23 10.40	+15 44 16.5	19.3 R	608
(5332)	1997 06 03.47920	16 23 07.49	+15 44 12.0	19.2 R	608
(5530)	1997 05 20.39754	15 07 41.98	−26 24 42.6	18.1 R	608
(5530)	1997 05 20.43197	15 07 39.58	−26 24 38.7	18.2 R	608

610 Pianoro
V. Goretti, Via Resistenza 93, I-40065 Pianoro (BO), Italy [astrofil@astbo1.bo.cnr.it]
0.25-m $f/4$ Schmidt-Cassegrain + CCD
GSC

1970 OB	1997 05 30.91184	16 10 48.49	−18 09 50.7	14.8 V	610
1970 OB	1997 05 30.93016	16 10 47.42	−18 09 53.5		610
1970 OB	1997 05 30.95472	16 10 46.00	−18 09 57.1		610

1981 WS_1	1997 05 30.86508	15 04 17.20	−15 43 14.2	16.0	V	610	(3015)	1997 05 10.95939	15 13 34.66	−23 56 35.4			610
1981 WS_1	1997 05 30.87581	15 04 16.59	−15 43 14.5			610	(3015)	1997 05 10.96635	15 13 34.29	−23 56 35.6			610
1981 WS_1	1997 05 30.88685	15 04 15.96	−15 43 14.8			610	(3028)	1997 05 30.89698	15 52 52.48	−08 41 50.7	15.0	V	610
1984 MP	1997 05 28.84509	15 30 13.98	−13 21 31.6	14.9	V	610	(3028)	1997 05 30.91895	15 52 51.45	−08 41 46.0			610
1984 MP	1997 05 28.89294	15 30 11.76	−13 21 06.1			610	(3028)	1997 05 30.94359	15 52 50.29	−08 41 40.7			610
1984 MP	1997 05 28.90683	15 30 11.11	−13 20 58.7			610	(3035)	1997 05 28.85734	14 24 08.61	−10 48 47.9	15.7	V	610
1991 UE_3	1997 05 27.85169	14 31 37.72	−08 45 14.8	15.3	V	610	(3035)	1997 05 28.87350	14 24 08.07	−10 48 45.7			610
1991 UE_3	1997 05 27.86003	14 31 37.30	−08 45 16.4			610	(3035)	1997 05 28.88537	14 24 07.67	−10 48 44.1			610
1991 UE_3	1997 05 27.86836	14 31 36.89	−08 45 18.1			610	(3165)	1997 05 28.90322	15 30 54.34	−15 27 23.6	15.3	V	610
1991 UE_3	1997 05 28.84902	14 30 51.56	−08 48 23.0	15.3	V	610	(3165)	1997 05 28.91525	15 30 53.59	−15 27 22.3			610
1991 UE_3	1997 05 28.86189	14 30 50.95	−08 48 25.2			610	(3165)	1997 05 28.93006	15 30 52.67	−15 27 20.7			610
1991 UE_3	1997 05 28.87961	14 30 50.12	−08 48 28.1			610	(3451)	1997 05 28.94243	16 41 20.50	+06 53 01.8	14.7	V	610
1994 PL	1997 05 30.90834	16 10 16.90	−01 19 21.6	16.4	V	610	(3451)	1997 05 28.94836	16 41 20.32	+06 53 02.1			610
1994 PL	1997 05 30.92728	16 10 15.71	−01 19 02.4			610	(3451)	1997 05 28.95701	16 41 20.07	+06 53 02.5			610
1994 PL	1997 05 30.95193	16 10 14.17	−01 18 37.5			610	(3569)	1997 05 15.90766	16 07 43.21	+00 52 37.1	16.8	V	610
1997 GD	1997 05 08.84348	11 49 25.99	+03 14 42.0	17.8	V	610	(3569)	1997 05 15.92271	16 07 42.47	+00 52 41.1			610
1997 GD	1997 05 08.85463	11 49 26.16	+03 14 29.3			610	(3569)	1997 05 15.93729	16 07 41.75	+00 52 45.0			610
1997 GD	1997 05 08.86575	11 49 26.37	+03 14 17.3			610	(3642)	1997 05 15.84683	15 07 57.48	+04 08 53.2	15.2	V	610
1997 GD	1997 05 10.83438	11 50 10.17	+02 38 38.5			610	(3642)	1997 05 15.86435	15 07 56.61	+04 08 54.7			610
1997 GD	1997 05 10.84552	11 50 10.45	+02 38 26.1			610	(3642)	1997 05 15.88381	15 07 55.65	+04 08 56.4			610
1997 GD	1997 05 10.85664	11 50 10.67	+02 38 13.7			610	(3671)	1997 05 24.86098	13 17 51.56	+24 29 17.4	15.6	V	610
(216)	1997 05 08.90760	13 45 52.92	−11 26 13.4	12.4	V	610	(3671)	1997 05 24.87185	13 17 50.07	+24 29 03.3			610
(216)	1997 05 08.92844	13 45 52.07	−11 26 05.5			610	(3671)	1997 05 24.87741	13 17 49.31	+24 28 56.1			610
(216)	1997 05 08.94927	13 45 51.23	−11 25 57.5			610	(3911)	1997 05 28.85516	14 19 00.10	−09 46 58.3	16.3	V	610
(281)	1997 05 30.85859	14 50 40.06	−20 04 38.0	15.4	V	610	(3911)	1997 05 28.86968	14 18 59.67	−09 46 54.4			610
(281)	1997 05 30.87166	14 50 39.37	−20 04 35.9			610	(3911)	1997 05 28.88348	14 18 59.26	−09 46 50.7			610
(281)	1997 05 30.88269	14 50 38.80	−20 04 34.1			610	(3979)	1997 05 30.85444	14 45 09.78	−20 12 57.4	16.5	V	610
(345)	1997 05 28.85122	14 23 47.00	−09 37 19.8	12.3	V	610	(3979)	1997 05 30.86749	14 45 09.18	−20 12 55.2			610
(345)	1997 05 28.86405	14 23 46.55	−09 37 15.6			610	(3979)	1997 05 30.88269	14 45 08.48	−20 12 52.7			610
(345)	1997 05 28.88157	14 23 45.94	−09 37 09.7			610	(4036)	1997 05 10.93038	14 57 46.63	−09 43 37.2	16.3	V	610
(1127)	1997 05 15.84683	15 08 10.39	+04 05 11.0	15.9	V	610	(4036)	1997 05 10.93594	14 57 46.33	−09 43 35.5			610
(1127)	1997 05 15.86435	15 08 09.45	+04 05 13.5			610	(4036)	1997 05 10.94152	14 57 46.02	−09 43 33.8			610
(1127)	1997 05 15.88381	15 08 08.41	+04 05 16.3			610	(4036)	1997 05 13.90319	14 55 18.90	−09 32 19.3	16.4	V	610
(1633)	1997 05 28.85933	14 33 43.19	−11 16 19.6	14.9	V	610	(4036)	1997 05 13.91013	14 55 18.56	−09 32 18.1			610
(1633)	1997 05 28.87626	14 33 42.65	−11 16 17.8			610	(4036)	1997 05 13.91706	14 55 18.22	−09 32 17.0			610
(1633)	1997 05 28.88742	14 33 42.29	−11 16 16.5			610	(4107)	1997 05 27.87465	14 36 30.81	+11 05 47.5	16.1	V	610
(2070)	1997 05 30.85652	14 46 47.98	−20 02 30.9	17.1	V	610	(4107)	1997 05 27.88369	14 36 30.46	+11 05 45.4			610
(2070)	1997 05 30.86957	14 46 47.27	−20 02 29.3			610	(4107)	1997 05 27.89272	14 36 30.10	+11 05 43.4			610
(2070)	1997 05 30.88060	14 46 46.66	−20 02 27.9			610	(4188)	1997 05 30.89433	15 52 42.50	−10 09 58.0	16.0	V	610
(2595)	1997 05 15.86061	15 04 24.18	−02 39 30.6	16.9	V	610	(4188)	1997 05 30.91617	15 52 41.17	−10 09 55.8			610
(2595)	1997 05 15.87824	15 04 23.31	−02 39 26.8			610	(4188)	1997 05 30.94080	15 52 39.67	−10 09 53.3			610
(2595)	1997 05 15.89491	15 04 22.49	−02 39 23.2			610	(4341)	1997 05 28.93756	16 27 23.02	+00 47 21.1	16.1	V	610
(2690)	1997 05 15.85516	15 07 04.13	−00 44 20.1	16.1	V	610	(4341)	1997 05 28.94522	16 27 21.81	+00 47 12.7			610
(2690)	1997 05 15.87269	15 07 03.35	−00 44 17.6			610	(4341)	1997 05 28.95373	16 27 20.47	+00 47 03.4			610
(2690)	1997 05 15.89213	15 07 02.48	−00 44 14.8			610	(4431)	1997 05 28.89576	15 27 18.15	−14 57 59.9	16.1	V	610
(2879)	1997 05 15.91044	15 57 10.24	−02 25 08.6	15.2	V	610	(4431)	1997 05 28.90970	15 27 17.50	−14 57 56.4			610
(2879)	1997 05 15.92549	15 57 09.49	−02 25 05.5			610	(4431)	1997 05 28.92126	15 27 16.96	−14 57 53.4			610
(2879)	1997 05 15.94007	15 57 08.77	−02 25 02.5			610	(5173)	1997 05 15.91322	15 52 08.09	−03 06 30.1	16.3	V	610
(2881)	1997 05 13.94003	15 28 13.36	−11 20 25.3	15.9	V	610	(5173)	1997 05 15.92826	15 52 07.25	−03 06 25.4			610
(2881)	1997 05 13.95366	15 28 12.57	−11 20 21.7			610	(5173)	1997 05 15.94285	15 52 06.44	−03 06 20.9			610
(2881)	1997 05 13.97148	15 28 11.54	−11 20 17.1			610	(5281)	1997 05 15.85782	15 01 35.76	−01 18 09.2	15.6	V	610
(3015)	1997 05 10.95142	15 13 35.09	−23 56 35.2	16.0	V	610	(5281)	1997 05 15.87547	15 01 34.87	−01 18 06.9			610

(5281)	1997 05 15.89492	15 01 33.89	−01 18 04.4		610
(5286)	1997 05 28.89894	15 29 05.50	−14 53 32.7	16.5 V	610
(5286)	1997 05 28.91235	15 29 04.84	−14 53 30.9		610
(5286)	1997 05 28.92615	15 29 04.16	−14 53 29.2		610
(5294)	1997 05 15.90488	16 11 36.54	+03 31 09.9	16.2 V	610
(5294)	1997 05 15.91993	16 11 35.84	+03 31 12.1		610
(5294)	1997 05 15.93450	16 11 35.17	+03 31 14.2		610
(5368)	1997 05 13.92892	15 28 17.65	−10 35 38.8	16.5 V	610
(5368)	1997 05 13.94250	15 28 17.14	−10 35 37.6		610
(5368)	1997 05 13.96031	15 28 16.48	−10 35 36.0		610
(5530)	1997 05 10.97757	15 18 41.06	−26 38 42.4	16.6 V	610
(5530)	1997 05 10.98316	15 18 40.73	−26 38 42.5		610
(5530)	1997 05 10.98874	15 18 40.41	−26 38 42.6		610
(6045)	1997 05 28.89576	15 27 16.67	−14 55 08.2	15.6 V	610
(6045)	1997 05 28.90970	15 27 15.82	−14 55 04.1		610
(6045)	1997 05 28.92126	15 27 15.12	−14 55 00.8		610
(6823)	1997 05 30.90116	15 52 45.52	−09 02 36.9	16.5 V	610
(6823)	1997 05 30.92172	15 52 44.30	−09 02 39.4		610
(6823)	1997 05 30.94637	15 52 42.83	−09 02 42.4		610
(6898)	1997 05 15.91600	16 07 05.10	−04 49 39.9	15.6 V	610
(6898)	1997 05 15.93104	16 07 04.26	−04 49 41.4		610
(6898)	1997 05 15.94829	16 07 03.30	−04 49 43.2		610
(6898)	1997 05 30.90428	15 52 46.11	−05 39 48.5	15.7 V	610
(6898)	1997 05 30.92449	15 52 44.92	−05 39 54.0		610
(6898)	1997 05 30.94914	15 52 43.47	−05 40 00.7		610

611 Starkenburg Sternwarte, Heppenheim
M. Busch, Giessener Strasse 4, D-64646 Heppenheim, Germany [mab@iez.com]
Observers M. Busch, F. Hormuth, L. Kurtze, K. Sonnenberg
Measurer M. Busch
0.45m $f/4.4$ reflector + CCD
GSC

1997 GB	1997 05 31.90069	12 15 35.37	−01 37 18.9	19.2 R	611
1997 GB	1997 05 31.91875	12 15 35.75	−01 37 26.2	18.6 R	611

619 Sabadell
F. Casarramona, P.O. Box 50, E-8200 Sabadell (BCN), Spain [astrosab@redestb.es]
Observers M. Ribell, X. Puig, F. Casarramona, J. Presa, J. M. Ginabreda, M. S. Troncoso
Measurers X. Puig, M. Ribell, F. Casarramona
0.51-m $f/3.9$ reflector + CCD
GSC

1984 MP	1997 05 28.90137	15 30 11.29	−13 21 00.5		619
1984 MP	1997 05 28.91740	15 30 10.61	−13 20 52.1		619
1984 MP	1997 05 28.95491	15 30 08.80	−13 20 31.8		619
1984 MP	1997 05 28.96278	15 30 08.42	−13 20 27.7		619
1984 MP	1997 06 03.87091	15 26 02.63	−12 29 26.5		619
1984 MP	1997 06 03.87594	15 26 02.43	−12 29 24.3		619
1984 MP	1997 06 03.89033	15 26 01.86	−12 29 17.6		619
1984 MP	1997 06 03.90327	15 26 01.31	−12 29 11.0		619
1984 MP	1997 06 07.96120	15 23 34.92	−11 57 25.4		619
1984 MP	1997 06 08.00411	15 23 33.38	−11 57 06.0		619
1984 MP	1997 06 08.01360	15 23 33.06	−11 57 01.5		619
1984 MP	1997 06 08.86983	15 23 05.28	−11 50 43.2		619
1984 MP	1997 06 08.87384	15 23 05.16	−11 50 41.0		619
1984 MP	1997 06 08.88315	15 23 04.83	−11 50 36.8		619
1984 MP	1997 06 08.89433	15 23 04.46	−11 50 32.1		619

620 Observatorio Astronómico de Mallorca
M. Blasco, Afueras s/n, E-07144 Costitx, Baleares, Spain [astroam@dinky.bitel.es]
Observer R. Pacheco
Measurers A. Lopez, R. Pacheco
0.30-m $f/3.3$ Schmidt-Cassegrain + CCD

1988 XB	1997 06 03.92865	16 04 29.79	−20 09 45.8		620
1988 XB	1997 06 03.93669	16 04 27.98	−20 09 46.2		620
1988 XB	1997 06 03.94763	16 04 25.51	−20 09 46.9		620
1988 XB	1997 06 03.96256	16 04 22.14	−20 09 47.8		620
1988 XB	1997 06 06.88611	15 53 15.63	−20 11 47.2		620
1988 XB	1997 06 06.89566	15 53 13.16	−20 11 47.6		620
1988 XB	1997 06 06.90353	15 53 11.13	−20 11 47.9		620
1988 XB	1997 06 06.91838	15 53 07.30	−20 11 48.4		620
1988 XB	1997 06 06.93875	15 53 02.04	−20 11 49.2		620

621 Bergisch Gladbach
W. Bickel, Schau ins Land 21, D-51429 Bergisch Gladbach, Germany [0220455671-0001@t-online.de]
0.60-m $f/5$ reflector + CCD
GSC, PPM

1997 GJ_{38}	*	1997 04 07.99621	12 28 48.95	+02 00 47.4	19.8	621
1997 GJ_{38}		1997 04 08.02935	12 28 47.37	+02 00 59.6	19.9	621
1997 GJ_{38}		1997 04 08.03315	12 28 47.16	+02 01 01.1	20.1	621
1997 GJ_{38}		1997 04 08.03695	12 28 46.98	+02 01 02.7	20.1	621
1997 GJ_{38}		1997 04 08.93750	12 28 05.31	+02 06 25.3	20.3	621
1997 GJ_{38}		1997 04 08.94120	12 28 05.19	+02 06 26.6	20.0	621
1997 GJ_{38}		1997 04 08.96706	12 28 03.87	+02 06 35.8	20.3	621
1997 GJ_{38}		1997 04 08.97076	12 28 03.70	+02 06 36.7	20.0	621
1997 GJ_{38}		1997 04 09.92810	12 27 20.00	+02 12 13.0	20.8	621
1997 GJ_{38}		1997 04 09.93190	12 27 19.85	+02 12 13.9	20.2	621
1997 GJ_{38}		1997 04 09.93570	12 27 19.69	+02 12 15.6	20.3	621
1997 GJ_{38}		1997 04 09.94330	12 27 19.35	+02 12 18.3	20.2	621
1997 GJ_{38}		1997 04 30.92451	12 15 10.46	+03 37 17.9	21.0	621
1997 GJ_{38}		1997 04 30.92820	12 15 10.31	+03 37 18.8	21.1	621
1997 GJ_{38}		1997 04 30.93188	12 15 10.19	+03 37 19.7	21.1	621
1997 GJ_{38}		1997 04 30.93558	12 15 10.03	+03 37 19.0	20.7	621
1997 GJ_{38}		1997 05 01.92048	12 14 49.65	+03 39 19.5	20.2	621
1997 GJ_{38}		1997 05 01.92417	12 14 49.53	+03 39 19.9	20.0	621
1997 GJ_{38}		1997 05 01.92786	12 14 49.41	+03 39 20.8	20.2	621
1997 GJ_{38}		1997 05 01.93155	12 14 49.36	+03 39 21.6	20.4	621
1997 GJ_{38}		1997 05 02.95908	12 14 29.45	+03 41 13.2	20.9	621
1997 GJ_{38}		1997 05 02.96278	12 14 29.37	+03 41 13.4	21.5	621
1997 GJ_{38}		1997 05 02.96648	12 14 29.33	+03 41 13.8		621
1997 GJ_{38}		1997 05 02.97018	12 14 29.21	+03 41 14.3	21.1	621
1997 HF_{17}	*	1997 04 30.92451	12 15 10.95	+03 35 19.9	20.4	621
1997 HF_{17}		1997 04 30.92820	12 15 10.74	+03 35 21.4	20.4	621

1997 HF_{17}		1997 04 30.93188	12 15 10.75	+03 35 22.3	20.5	621
1997 HF_{17}		1997 04 30.93558	12 15 10.61	+03 35 23.2	20.3	621
1997 HF_{17}		1997 05 01.92048	12 14 52.92	+03 39 39.8	20.6	621
1997 HF_{17}		1997 05 01.92417	12 14 52.86	+03 39 40.2	20.2	621
1997 HF_{17}		1997 05 01.92786	12 14 52.84	+03 39 41.9	20.1	621
1997 HF_{17}		1997 05 01.93155	12 14 52.72	+03 39 42.0	20.5	621
1997 HF_{17}		1997 05 02.95908	12 14 35.44	+03 43 57.0	20.4	621
1997 HF_{17}		1997 05 02.96278	12 14 35.38	+03 43 58.3	20.2	621
1997 HF_{17}		1997 05 02.96648	12 14 35.32	+03 43 58.7	20.4	621
1997 HF_{17}		1997 05 02.97018	12 14 35.30	+03 43 59.7	20.8	621
1997 KM_4	*	1997 05 28.92680	15 21 53.28	+05 01 07.0	20.0	621
1997 KM_4		1997 05 28.93049	15 21 53.14	+05 01 07.1	19.7	621
1997 KM_4		1997 05 28.93418	15 21 53.01	+05 01 07.4	20.0	621
1997 KM_4		1997 05 29.98852	15 21 12.09	+05 01 51.8	19.6	621
1997 KM_4		1997 05 29.99221	15 21 11.96	+05 01 53.4	19.6	621
1997 KM_4		1997 05 29.99591	15 21 11.75	+05 01 53.3	19.8	621
1997 KM_4		1997 05 30.96207	15 20 35.07	+05 02 21.8	20.2	621
1997 KM_4		1997 05 30.96577	15 20 34.92	+05 02 22.5	20.1	621
1997 KM_4		1997 05 30.96946	15 20 34.73	+05 02 22.2	19.8	621
(6782)		1997 05 01.88150	09 32 35.96	+11 22 37.7	18.0	621
(6782)		1997 05 01.88519	09 32 36.10	+11 22 37.0	17.9	621
(6782)		1997 05 01.88888	09 32 36.22	+11 22 36.6	18.0	621
(6782)		1997 05 01.89257	09 32 36.35	+11 22 35.9	18.0	621

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

1997 FR_1	1997 05 28.86176	12 06 55.12	+13 02 02.9	17.0	627
(1966)	1997 05 30.88796	13 31 35.56	−05 25 20.2	18.5	627
(1966)	1997 05 30.90464	13 31 35.42	−05 25 21.2	18.2	627

628 Mülheim-Ruhr

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

0.2-m Schmidt-Cassegrain + CCD
GSC

(1026)	1997 05 17.97343	14 58 30.25	−08 25 46.9	15.7	V	628
(1026)	1997 05 18.03315	14 58 26.44	−08 25 39.6	15.8	V	628
(2017)	1997 05 28.90120	13 07 54.82	−01 18 38.7	16.3	V	628
(2017)	1997 05 28.92690	13 07 54.58	−01 18 37.8	16.1	V	628
(2017)	1997 05 28.95329	13 07 54.45	−01 18 34.8	16.3	V	628
(2017)	1997 05 30.88870	13 07 45.53	−01 18 18.5	16.2	V	628
(2017)	1997 05 30.91162	13 07 45.44	−01 18 18.5	16.2	V	628
(2017)	1997 05 30.94426	13 07 45.30	−01 18 18.7	16.5	V	628
(3116)	1997 05 24.89079	13 09 36.47	−01 03 21.0	16.7	V	628
(3116)	1997 05 24.91579	13 09 35.84	−01 03 22.4	16.8	V	628
(3116)	1997 05 24.95329	13 09 34.88	−01 03 24.0	16.7	V	628
(3116)	1997 05 28.90120	13 08 14.24	−01 08 34.6	16.9	V	628
(3116)	1997 05 28.91440	13 08 14.23	−01 08 34.7	16.1	V	628
(3116)	1997 05 28.92690	13 08 13.78	−01 08 37.1	16.1	V	628
(3116)	1997 05 28.95329	13 08 13.31	−01 08 39.9	16.7	V	628
(3116)	1997 05 30.88870	13 07 43.34	−01 12 12.4	16.7	V	628
(3116)	1997 05 30.91162	13 07 42.97	−01 12 15.7	16.8	V	628
(3116)	1997 05 30.94426	13 07 42.51	−01 12 19.8	17.0	V	628
(3225)	1997 05 15.87898	14 26 24.06	+15 51 43.4	15.9	V	628
(3225)	1997 05 15.89843	14 26 23.07	+15 51 57.7	15.5	V	628
(3225)	1997 05 15.91995	14 26 22.21	+15 52 14.0	15.5	V	628
(3225)	1997 05 17.90398	14 24 49.30	+16 16 04.2	15.5	V	628
(3225)	1997 05 17.91926	14 24 48.44	+16 16 14.0	15.1	V	628
(3225)	1997 05 17.94495	14 24 47.40	+16 16 32.0	15.5	V	628
(3225)	1997 05 28.97482	14 18 04.51	+17 46 50.6	15.6	V	628
(3225)	1997 05 28.99218	14 18 04.03	+17 46 55.9	15.6	V	628
(3225)	1997 05 29.00884	14 18 03.54	+17 47 00.9	15.6	V	628
(3225)	1997 05 29.02759	14 18 02.99	+17 47 06.3	15.5	V	628
(3671)	1997 05 23.91899	13 19 49.44	+24 48 42.8	15.3	V	628
(3671)	1997 05 23.93288	13 19 47.57	+24 48 26.1	15.2	V	628
(3671)	1997 05 23.95233	13 19 44.96	+24 48 02.1	15.2	V	628
(3671)	1997 05 23.96274	13 19 43.57	+24 47 49.1	15.0	V	628
(4116)	1997 05 25.04009	19 54 16.74	+16 58 31.3	16.9	V	628
(4116)	1997 05 25.05606	19 54 16.86	+16 58 46.3	16.6	V	628
(4116)	1997 05 25.07134	19 54 16.97	+16 58 59.9	17.4	V	628
(4150)	1997 05 30.98219	16 37 20.22	−16 59 26.4	16.4	V	628
(4150)	1997 05 30.99260	16 37 19.53	−16 59 26.2	16.4	V	628
(4150)	1997 05 31.01344	16 37 18.13	−16 59 24.1	16.1	V	628

631 Hamburg-Georgswerder

M. Buck, Niedergeorgswerder Deich 96a, D-21109 Hamburg, Germany [th.buck@hamburg.netsurf.de]

0.15-m $f/8$ refractor + CCD
GSC

(747)	1997 05 25.90544	14 25 08.15	+10 05 45.3	14.1	R	631
(747)	1997 05 25.94215	14 25 06.87	+10 05 44.0	14.0	R	631
(1592)	1997 05 25.89875	16 50 30.55	−05 40 51.0	15.2	R	631
(1592)	1997 05 25.93451	16 50 28.74	−05 41 00.3	15.1	R	631
(1592)	1997 06 02.90541	16 43 36.09	−06 23 56.7	15.0	R	631
(3671)	1997 05 25.88756	13 15 41.81	+24 06 15.2	15.2	R	631
(3671)	1997 05 25.92561	13 15 36.61	+24 05 20.4	15.2	R	631
(3671)	1997 06 02.89301	12 58 38.42	+20 00 38.1	15.7	R	631
(3671)	1997 06 02.95766	12 58 29.49	+19 58 04.9	15.5	R	631

658 Dominion Astrophysical Observatory, Victoria

J. B. Tatum, Dept. of Physics, University of Victoria, P.O. Box 3055, Victoria, BC V8W 3P6, Canada [universe@uvvm.uvic.ca]

Observers D. D. Balam, G. C. L. Aikman, M. Tran, Y. Yuan
Measurers D. D. Balam, G. C. L. Aikman
1.82-m Plaskett telescope + CCD
GSC, USNO-A1.0, USNO-SA1.0

1984 BC	1997 05 19.25263	11 56 56.27	+34 30 15.1	658
1984 BC	1997 05 19.25602	11 56 56.63	+34 30 12.0	658
1984 BC	1997 05 19.26406	11 56 57.42	+34 30 02.7	658
1991 CS	1997 06 10.28831	12 38 05.30	+54 30 48.3	658
1991 CS	1997 06 10.29146	12 38 05.62	+54 30 44.8	658

1991 VH	1997 05 19.23566	11 25 02.06	+35 38 07.1		658
1991 VH	1997 05 19.23705	11 25 02.13	+35 38 05.7		658
1991 VH	1997 05 19.23843	11 25 02.22	+35 38 04.2		658
1991 VH	1997 06 10.25944	12 00 53.74	+28 41 17.3		658
1991 VH	1997 06 10.26242	12 00 54.00	+28 41 13.6		658
1991 VH	1997 06 10.26484	12 00 54.29	+28 41 10.6		658
1994 ND	1997 06 10.34395	14 13 58.36	+25 51 16.1		658
1994 ND	1997 06 10.35057	14 13 57.91	+25 51 09.4		658
1994 QC	1997 05 19.39956	17 13 02.81	+41 52 28.1		658
1994 QC	1997 05 19.40233	17 13 02.81	+41 52 30.8		658
1994 QC	1997 05 19.40509	17 13 02.83	+41 52 33.7		658
1994 QC	1997 06 10.36066	17 12 28.04	+43 56 29.8		658
1994 QC	1997 06 10.36289	17 12 27.98	+43 56 29.0		658
1994 TL_3	1997 06 10.42846	21 44 42.15	−00 28 14.1		658
1994 TL_3	1997 06 10.43079	21 44 42.20	−00 28 13.0		658
1994 TL_3	1997 06 10.43270	21 44 42.33	−00 28 11.9		658
1994 TL_3	1997 06 10.43767	21 44 42.44	−00 28 09.5		658
1994 TL_3	1997 06 14.43247	21 46 34.32	+00 05 35.1		658
1994 TL_3	1997 06 14.43789	21 46 34.44	+00 05 37.6		658
1994 TL_3	1997 06 14.44130	21 46 34.54	+00 05 39.2		658
1997 AW	1997 06 10.24341	10 12 19.38	+10 51 58.2		658
1997 AW	1997 06 10.24642	10 12 19.83	+10 51 56.5		658
1997 AW	1997 06 10.25002	10 12 20.33	+10 51 51.7		658
1997 GH_3	1997 05 19.24664	11 59 33.25	+05 07 10.9		658
1997 GH_3	1997 05 19.24733	11 59 33.44	+05 07 10.0		658
1997 GH_3	1997 05 19.24802	11 59 33.50	+05 07 08.8		658
1997 GH_3	1997 05 19.24870	11 59 33.69	+05 07 07.8		658
1997 GO_{27}	1997 05 17.30601	14 01 04.82	+20 13 26.7		658
1997 GO_{27}	1997 05 17.30878	14 01 04.67	+20 13 29.7		658
1997 GO_{27}	1997 05 17.31156	14 01 04.53	+20 13 31.5		658
1997 GO_{27}	1997 06 10.32612	13 59 47.78	+22 03 04.3		658
1997 GO_{27}	1997 06 10.33306	13 59 47.99	+22 03 03.1		658
1997 GO_{27}	1997 06 10.33797	13 59 48.10	+22 03 02.8		658
1997 GO_{27}	1997 06 13.31753	14 01 21.33	+21 50 37.5		658
1997 GO_{27}	1997 06 13.32068	14 01 21.42	+21 50 34.4		658
1997 GO_{27}	1997 06 13.33753	14 01 21.99	+21 50 30.1		658
1997 GX_{27}	1997 06 10.27144	11 59 43.82	−03 36 45.1		658
1997 GX_{27}	1997 06 10.27503	11 59 44.04	−03 36 50.5		658
1997 JV	1997 05 17.27382	13 27 23.82	+00 09 18.0		658
1997 JV	1997 05 17.27729	13 27 23.68	+00 09 16.9		658
1997 JV	1997 05 17.28075	13 27 23.49	+00 09 18.0		658
1997 JR_9	1997 06 14.33105	16 00 07.63	−00 40 27.6		658
1997 JR_9	1997 06 14.33694	16 00 07.40	−00 40 29.1		658
1997 JR_9	1997 06 14.34171	16 00 07.18	−00 40 30.2		658
1997 JV_9	1997 05 16.43154	15 34 18.95	−03 01 34.3	19.5 R	658
1997 JV_9	1997 05 16.43779	15 34 18.55	−03 01 32.4	19.5 R	658
1997 JV_9	1997 05 16.44403	15 34 18.29	−03 01 31.8	19.5 R	658
1997 JV_9	1997 05 17.31648	15 33 34.15	−02 58 41.8		658
1997 JV_9	1997 05 17.32273	15 33 33.89	−02 58 41.3		658
1997 JV_9	1997 05 17.32898	15 33 33.61	−02 58 40.0		658
1997 JV_9	1997 05 18.36700	15 32 40.96	−02 55 27.1		658
1997 JV_9	1997 05 18.37013	15 32 40.81	−02 55 26.0		658
1997 JV_9	1997 05 18.37325	15 32 40.65	−02 55 26.6		658
1997 JW_9	1997 05 16.45079	15 35 22.74	−02 57 43.4	19.8 R	658
1997 JW_9	1997 05 16.45704	15 35 22.38	−02 57 43.4	19.7 R	658
1997 JW_9	1997 05 16.46326	15 35 22.05	−02 57 42.2	19.7 R	658
1997 JW_9	1997 05 17.35499	15 34 40.38	−02 55 37.1		658
1997 JW_9	1997 05 17.36123	15 34 40.05	−02 55 36.3		658
1997 JW_9	1997 05 17.36748	15 34 39.72	−02 55 35.4		658
1997 JW_9	1997 05 18.41828	15 33 50.39	−02 53 15.6		658
1997 JW_9	1997 05 18.42140	15 33 50.31	−02 53 16.1		658
1997 JW_9	1997 05 18.42453	15 33 50.24	−02 53 15.6		658
1997 JW_9	1997 05 18.42765	15 33 50.03	−02 53 15.2		658
1997 JW_9	1997 05 18.43078	15 33 49.86	−02 53 15.2		658
1997 JY_9	1997 05 16.39773	15 35 13.21	−02 45 19.9	19.5 R	658
1997 JY_9	1997 05 16.40084	15 35 13.04	−02 45 19.0	19.6 R	658
1997 JY_9	1997 05 16.40397	15 35 12.87	−02 45 18.1	19.6 R	658
1997 JY_9	1997 05 18.38683	15 33 23.93	−02 36 34.1		658
1997 JY_9	1997 05 18.38994	15 33 23.76	−02 36 32.9		658
1997 JY_9	1997 05 18.39306	15 33 23.58	−02 36 32.6		658
1997 JA_{10}	1997 05 16.41294	15 34 08.79	−03 59 00.6	20.6 R	658
1997 JA_{10}	1997 05 16.41606	15 34 08.50	−03 59 00.1	20.6 R	658
1997 JA_{10}	1997 05 16.41918	15 34 08.34	−03 59 02.9	20.7 R	658
1997 JA_{10}	1997 05 16.42229	15 34 08.04	−03 59 04.7	20.6 R	658
1997 KU_2	1997 06 14.34573	16 00 45.01	−00 45 00.3		658
1997 KU_2	1997 06 14.34944	16 00 44.83	−00 45 01.5		658
1997 KU_2	1997 06 14.35567	16 00 44.57	−00 45 03.0		658
1997 LL	1997 06 08.37365	15 28 08.43	−06 49 20.6	18.3 R	658
1997 LL	1997 06 08.38631	15 28 07.88	−06 49 18.4		658
1997 LL	1997 06 09.32333	15 27 24.99	−06 47 37.2		658
1997 LL	1997 06 09.33106	15 27 24.64	−06 47 36.5		658
1997 LL	1997 06 09.33616	15 27 24.34	−06 47 36.0		658
1997 LM	1997 06 08.39003	15 28 43.67	−07 51 36.9	17.8 R	658
1997 LM	1997 06 08.39575	15 28 43.35	−07 51 39.2		658
1997 LM	1997 06 08.39764	15 28 43.25	−07 51 39.5		658
1997 LM	1997 06 09.33900	15 27 55.27	−07 57 36.1		658
1997 LM	1997 06 09.34351	15 27 55.03	−07 57 38.0		658
1997 LM	1997 06 09.34789	15 27 54.78	−07 57 39.6		658
1997 LN	1997 06 09.35128	15 29 23.30	−09 50 25.4		658
1997 LN	1997 06 09.35569	15 29 23.10	−09 50 24.9		658
1997 LN	1997 06 09.36031	15 29 22.96	−09 50 24.6		658
1997 LN	1997 06 15.30001	15 25 46.03	−09 44 29.7		658
1997 LN	1997 06 15.30470	15 25 45.88	−09 44 29.7		658
1997 LN	1997 06 15.30958	15 25 45.70	−09 44 29.5		658
1997 LO	1997 06 09.36293	15 30 20.60	−10 11 01.8		658
1997 LO	1997 06 09.36718	15 30 20.38	−10 11 01.9		658
1997 LO	1997 06 09.37137	15 30 20.17	−10 11 02.1		658
1997 LR	1997 06 08.41095	15 48 00.23	−07 17 37.3		658
1997 LR	1997 06 08.41561	15 47 59.96	−07 17 37.7		658
1997 LR	1997 06 08.41878	15 47 59.78	−07 17 37.6		658
1997 LR	1997 06 09.37536	15 47 01.56	−07 19 03.2		658
1997 LR	1997 06 09.38094	15 47 01.21	−07 19 03.8		658
1997 LR	1997 06 09.38491	15 47 00.96	−07 19 04.3		658
1997 LB_1	1997 06 14.28481	15 50 50.91	−07 48 41.5		658

1997 LB_1	1997 06 14.28756	15 50 50.84	−07 48 41.5			658
1997 LB_1	1997 06 14.29031	15 50 50.65	−07 48 41.5			658
1997 LG_1	1997 06 14.29481	16 09 15.72	−02 20 23.8			658
1997 LG_1	1997 06 14.29851	16 09 15.51	−02 20 24.5			658
1997 LG_1	1997 06 14.30215	16 09 15.32	−02 20 25.5			658
1997 LJ_1	1997 06 14.31594	15 58 32.56	−07 06 39.1			658
1997 LJ_1	1997 06 14.32274	15 58 32.24	−07 06 38.6			658
1997 LP_1	1997 06 14.36412	16 01 58.70	−07 09 46.5			658
1997 LP_1	1997 06 14.36968	16 01 58.41	−07 09 47.2			658
1997 LP_1	1997 06 14.37429	16 01 58.18	−07 09 47.5			658
1997 LP_1	1997 06 15.37638	16 01 12.73	−07 11 43.9			658
1997 LP_1	1997 06 15.38028	16 01 12.47	−07 11 44.0			658
1997 LP_1	1997 06 15.38552	16 01 12.29	−07 11 44.7			658
1997 LU_1	1997 06 15.39304	15 57 21.93	−06 08 50.9			658
1997 LU_1	1997 06 15.39441	15 57 21.88	−06 08 51.0			658
1997 LU_1	1997 06 15.39853	15 57 21.72	−06 08 50.5			658
1997 LG_6	1997 06 15.43321	23 14 20.10	+08 09 40.6			658
1997 LG_6	1997 06 15.43485	23 14 20.23	+08 09 42.0			658
1997 LG_6	1997 06 15.43634	23 14 20.36	+08 09 43.3			658
(3671)	1997 06 10.31596	12 42 07.98	+14 02 32.3			658
(3671)	1997 06 10.31757	12 42 07.72	+14 02 26.7			658
(3671)	1997 06 10.31885	12 42 07.55	+14 02 22.0			658
(3671)	1997 06 13.27113	12 35 07.69	+10 54 52.2			658
(3671)	1997 06 13.27225	12 35 07.51	+10 54 47.9			658
(3671)	1997 06 13.27564	12 35 07.01	+10 54 33.8			658
(3671)	1997 06 13.27716	12 35 06.77	+10 54 27.0			658

675 Palomar

E. F. Helin, MS 183-501, Jet Propulsion Laboratory, Pasadena, CA 91109, U.S.A. [efh@alps.jpl.nasa.gov] (2)
C. S. Shoemaker, P.O. Box 984, Flagstaff, AZ 86002, U.S.A. [gshoemaker@iflag2.wr.usgs.gov] (3)
C. J. van Houten, Sterrewacht Leiden, Postbus 9513, NL-2300 RA Leiden, The Netherlands [vanhouten@rulhl1.leidenuniv.nl] (4)
E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu] (6)

9 = 6 + 3

Observers T. Gehrels (4, L), E. F. Helin (2, S), K. Lawrence (2, S), D. H. Levy (3, S), C. S. Shoemaker (3, S)

Measurers K. J. Lawrence (2), B. A. Skiff (6), C. J. van Houten (4), I. van Houten-Groeneveld (4), A. Wisse (4)

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

1991 VE_5	1990 04 01.38733	12 42 26.91	+02 04 54.9	17.8	9	675
1991 VE_5	1990 04 01.41215	12 42 25.30	+02 05 04.5		9	675
1993 FN_{16}	1990 09 28.35312	01 13 06.42	+00 08 18.5	18.0	9	675
1993 FH_{25}	1987 11 26.39184	03 40 17.87	+14 33 16.9	16.8	9	675
1993 FH_{25}	1987 11 26.42361	03 40 15.97	+14 33 07.3		9	675
1994 RJ_{29}	* 1994 09 02.34080	23 06 58.75	−00 00 46.8	16.5	2	675
1994 RJ_{29}	1994 09 02.36267	23 06 57.63	−00 01 10.4		2	675
1994 RJ_{29}	1994 09 30.21024	22 45 45.24	−09 45 46.9	18.2	9	675
1994 RJ_{29}	1994 09 30.24271	22 45 44.00	−09 46 25.5		9	675
1995 YD_1	1990 05 25.31024	15 33 40.65	−06 18 30.2		9	675
1995 YD_1	1990 05 25.34010	15 33 38.73	−06 18 29.3		9	675
1997 AU_6	1990 09 28.35312	01 12 10.47	+02 48 22.4	17.0	9	675
1997 EP_{30}	1950 04 22.32153	13 56 45.05	+04 44 35.9	17.8	6	675
1997 EP_{30}	1950 04 22.35035	13 56 43.56	+04 44 39.3		6	675
4200 P-L	* 1960 09 24.37573	00 21 54.62	+04 25 29.8	18.0	4	675
4200 P-L	1960 09 25.42780	00 21 05.11	+04 14 57.5		4	675
4200 P-L	1960 09 26.30558	00 20 24.44	+04 06 11.2		4	675
4200 P-L	1960 09 26.31530	00 20 23.97	+04 06 04.8		4	675
4200 P-L	1960 09 27.40836	00 19 32.52	+03 55 07.8		4	675
4200 P-L	1960 09 28.39725	00 18 46.54	+03 45 13.0		4	675
4200 P-L	1960 10 25.25350	00 03 58.67	+00 03 25.2		4	675
4200 P-L	1960 10 26.31531	00 03 46.36	−00 02 06.1		4	675
4643 P-L	* 1960 09 24.41183	00 22 24.00	+01 31 35.8	18.9	4	675
4643 P-L	1960 09 26.31530	00 21 07.41	+01 14 55.0		4	675
4643 P-L	1960 09 27.40836	00 20 23.21	+01 05 24.0		4	675
4643 P-L	1960 09 28.39725	00 19 43.37	+00 56 45.4		4	675
4643 P-L	1960 10 17.28198	00 08 00.70	−01 37 06.3		4	675
4643 P-L	1960 10 22.23406	00 05 31.08	−02 11 38.6		4	675
4643 P-L	1960 10 26.31531	00 03 43.41	−02 37 37.8		4	675
6871 P-L	* 1960 09 24.32431	23 57 25.84	−03 19 01.4	20.1	4	675
6871 P-L	1960 09 24.35002	23 57 24.29	−03 19 12.4		4	675
6871 P-L	1960 09 26.26528	23 55 36.99	−03 31 36.1		4	675
6871 P-L	1960 09 26.28543	23 55 35.91	−03 31 43.8		4	675
6871 P-L	1960 09 27.30972	23 54 39.00	−03 38 13.7		4	675
6871 P-L	1960 09 27.34237	23 54 37.12	−03 38 24.6		4	675
6871 P-L	1960 09 28.31736	23 53 43.48	−03 44 31.4		4	675
6871 P-L	1960 09 28.33822	23 53 42.42	−03 44 39.4		4	675
3180 T-2	1973 09 19.21250	00 21 11.78	−02 40 30.2		4	675
3180 T-2	1973 09 19.26354	00 21 09.49	−02 40 48.3		4	675
3180 T-2	1973 09 20.27795	00 20 24.20	−02 46 19.9		4	675
3180 T-2	1973 09 24.37431	00 17 18.08	−03 08 28.7		4	675
3180 T-2	1973 09 24.44167	00 17 14.90	−03 08 50.2		4	675
3180 T-2	1973 09 25.26875	00 16 37.28	−03 13 15.6		4	675
3180 T-2	1973 09 25.33299	00 16 34.24	−03 13 35.8		4	675
3180 T-2	1973 09 29.27986	00 13 33.86	−03 34 09.2		4	675
3180 T-2	1973 09 29.34375	00 13 30.77	−03 34 28.7		4	675
3180 T-2	1973 09 30.23524	00 12 50.43	−03 38 59.3		4	675
3180 T-2	* 1973 09 30.30174	00 12 47.30	−03 39 20.7	18.5	4	675
3180 T-2	1973 10 04.31493	00 09 47.63	−03 58 54.0		4	675
3180 T-2	1973 10 04.37674	00 09 44.76	−03 59 13.5		4	675
3180 T-2	1973 10 05.34167	00 09 02.43	−04 03 42.8		4	675
3180 T-2	1973 10 05.40347	00 08 59.82	−04 03 59.4		4	675
3340 T-3	1977 10 07.27031	01 20 40.16	+06 16 00.1		4	675
3340 T-3	1977 10 11.28819	01 17 15.13	+05 52 18.3		4	675
3340 T-3	1977 10 11.35642	01 17 11.43	+05 51 53.6		4	675
3340 T-3	1977 10 12.28681	01 16 24.08	+05 46 20.9		4	675
3340 T-3	1977 10 12.35347	01 16 20.56	+05 45 56.3		4	675
3340 T-3	* 1977 10 16.27309	01 13 00.45	+05 23 06.1	20.0	4	675
3340 T-3	1977 10 16.33872	01 12 57.08	+05 22 43.2		4	675
3340 T-3	1977 10 17.27552	01 12 09.73	+05 17 20.4		4	675
3340 T-3	1977 10 17.34236	01 12 06.26	+05 16 56.9		4	675
3495 T-3	1977 10 07.27031	01 15 13.31	+05 54 47.7		4	675
3495 T-3	1977 10 11.28819	01 11 24.35	+05 39 59.5		4	675

3495 T-3		1977 10 11.35642	01 11 20.17	+05 39 44.7			4	675
3495 T-3		1977 10 12.28681	01 10 27.72	+05 36 23.1			4	675
3495 T-3		1977 10 12.35347	01 10 23.84	+05 36 07.0			4	675
3495 T-3	*	1977 10 16.27309	01 06 45.91	+05 22 21.4	18.8		4	675
3495 T-3		1977 10 16.33872	01 06 42.18	+05 22 08.3			4	675
3495 T-3		1977 10 17.27552	01 05 51.64	+05 18 59.7			4	675
3495 T-3		1977 10 17.34236	01 05 47.82	+05 18 46.9			4	675
3495 T-3		1977 10 21.39792	01 02 16.98	+05 06 05.3			4	675
3495 T-3		1977 10 21.45799	01 02 13.93	+05 05 55.0			4	675
5078 T-3		1977 10 11.31111	01 36 00.41	−02 39 45.2			4	675
5078 T-3		1977 10 11.37865	01 35 57.09	−02 39 57.7			4	675
5078 T-3		1977 10 12.30885	01 35 12.24	−02 42 34.5			4	675
5078 T-3		1977 10 12.37500	01 35 08.92	−02 42 45.6			4	675
5078 T-3	*	1977 10 16.29444	01 31 58.47	−02 52 55.8	17.8		4	675
5078 T-3		1977 10 16.36024	01 31 55.15	−02 53 05.6			4	675
5078 T-3		1977 10 17.29688	01 31 09.55	−02 55 17.5			4	675
5078 T-3		1977 10 17.36372	01 31 06.23	−02 55 27.2			4	675
5078 T-3		1977 10 21.37622	01 27 51.71	−03 03 44.9			4	675
5078 T-3		1977 10 21.43611	01 27 48.66	−03 03 51.3			4	675
5078 T-3		1977 10 22.37274	01 27 03.87	−03 05 29.7			4	675
5078 T-3		1977 10 22.43872	01 27 00.69	−03 05 38.6			4	675

683 Goodricke-Pigott Observatory, Tucson
R. A. Tucker, 5500 West Nebraska Street, Tucson, AZ 85746, U.S.A.
[tucker@mail.hvs.com]
0.36-m $f/11$ Schmidt-Cassegrain + CCD
GSC

1997 LQ_2	*	1997 06 09.22179	16 10 12.22	−19 35 43.0	18.0	R		683
1997 LQ_2		1997 06 09.30494	16 10 06.47	−19 34 15.4	17.4	R		683
1997 LQ_2		1997 06 09.40844	16 09 59.34	−19 32 25.5	17.6	R		683
1997 LQ_2		1997 06 10.20205	16 09 07.75	−19 18 29.2	18.0	R		683
1997 LQ_2		1997 06 10.21711	16 09 06.71	−19 18 13.3	17.5	R		683

684 Prescott
P. G. Comba, 1411 Galaxy Lane, Prescott, AZ 86303, U.S.A.
[comba@northlink.com]
0.46-m $f/4.5$ reflector + CCD
GSC

1990 MR		1997 06 13.32847	16 39 33.21	−19 47 11.9	15.8	R	E	684
1993 FU_7		1997 06 09.22375	14 00 28.69	−08 05 18.5	18.9	R	E	684
1993 FU_7		1997 06 09.23124	14 00 28.51	−08 05 18.9			E	684
1993 FU_7		1997 06 09.23801	14 00 28.39	−08 05 19.1			E	684
1996 GS		1997 05 30.32065	17 32 59.35	−10 12 29.7				684
1996 GS		1997 05 30.32617	17 32 59.11	−10 12 28.5				684
1996 GS		1997 05 30.33172	17 32 58.84	−10 12 27.5				684
1996 GS		1997 06 10.27962	17 23 45.58	−09 41 47.4	17.6	R		684
1996 GS		1997 06 10.28535	17 23 45.29	−09 41 46.5				684
1997 FH_1		1997 05 30.24141	09 58 36.11	+13 17 45.5			F	684
1997 FH_1		1997 06 05.15819	10 03 19.58	+12 37 03.1				684
1997 FH_1		1997 06 05.16568	10 03 19.95	+12 37 00.1				684
1997 FH_1		1997 06 05.21108	10 03 22.14	+12 36 40.8	19.2	R		684
1997 GL_{28}		1997 05 28.26932	14 03 21.65	−09 09 29.9	18.2	R		684
1997 GL_{28}		1997 05 28.27509	14 03 21.52	−09 09 28.5				684
1997 GL_{28}		1997 06 09.22375	14 01 00.39	−08 09 11.3	18.6	R		684
1997 GL_{28}		1997 06 09.23124	14 01 00.35	−08 09 09.7				684
1997 GL_{28}		1997 06 09.23801	14 01 00.30	−08 09 08.0				684
1997 HO_2		1997 05 28.28265	15 03 30.51	−15 07 41.0				684
1997 HO_2		1997 05 28.28691	15 03 30.35	−15 07 40.0				684
1997 HO_2		1997 05 28.29072	15 03 30.12	−15 07 39.8	17.6	R		684
1997 HO_2		1997 06 09.24683	14 55 52.56	−14 35 49.0	18.5	R		684
1997 HO_2		1997 06 09.25297	14 55 52.35	−14 35 48.1				684
1997 HO_2		1997 06 09.27174	14 55 51.70	−14 35 45.7				684
1997 HP_2		1997 05 28.29615	15 00 33.82	−15 11 11.5				684
1997 HP_2		1997 05 28.29996	15 00 33.62	−15 11 10.7				684
1997 HP_2		1997 05 28.30314	15 00 33.48	−15 11 10.1	17.6	R		684
1997 HP_2		1997 05 29.25399	14 59 51.48	−15 08 11.3	17.8	R		684
1997 HP_2		1997 05 29.25779	14 59 51.30	−15 08 10.5				684
1997 JU_3		1997 05 29.26689	15 04 42.53	−17 18 28.7				684
1997 JU_3		1997 05 29.27090	15 04 42.33	−17 18 29.3				684
1997 JU_3		1997 05 29.27536	15 04 42.11	−17 18 29.6	18.3	R		684
1997 JU_3		1997 06 09.28473	14 57 15.08	−17 34 57.9	18.6	R		684
1997 JU_3		1997 06 09.29034	14 57 14.91	−17 34 57.9				684
1997 JU_3		1997 06 09.29578	14 57 14.71	−17 34 59.1				684
1997 JB_8		1997 05 29.28340	15 06 51.42	−14 01 03.6	17.7	R		684
1997 JB_8		1997 05 29.29230	15 06 50.93	−14 00 59.9				684
1997 JB_8		1997 05 29.29576	15 06 50.68	−14 00 58.3				684
1997 JB_8		1997 06 07.24635	14 59 54.01	−13 06 28.5				684
1997 JB_8		1997 06 07.25851	14 59 53.49	−13 06 24.6	18.0	R		684
1997 JH_{10}		1997 05 29.30152	15 10 14.79	−15 14 23.9				684
1997 JH_{10}		1997 05 29.31472	15 10 14.13	−15 14 21.1				684
1997 JH_{10}		1997 06 07.27039	15 03 58.25	−14 44 07.7				684
1997 JH_{10}		1997 06 07.27500	15 03 58.13	−14 44 07.2				684
1997 JH_{10}		1997 06 07.27966	15 03 57.97	−14 44 06.5	19.0	R		684
1997 JH_{10}		1997 06 09.30201	15 02 50.55	−14 38 45.9	18.4	R		684
1997 JH_{10}		1997 06 09.30765	15 02 50.38	−14 38 44.9				684
1997 JH_{10}		1997 06 09.31206	15 02 50.22	−14 38 44.1				684
1997 KG	*	1997 05 30.27941	16 05 30.93	−18 14 46.7	18.2	R		684
1997 KG		1997 05 30.29041	16 05 30.35	−18 14 45.8				684
1997 KG		1997 06 01.29714	16 03 46.18	−18 11 46.3				684
1997 KG		1997 06 01.30111	16 03 46.00	−18 11 45.6	17.9	R		684
1997 KG		1997 06 01.30519	16 03 45.74	−18 11 46.2				684
1997 KG		1997 06 02.35970	16 02 51.46	−18 10 13.6				684
1997 KG		1997 06 02.36363	16 02 51.21	−18 10 13.7				684
1997 KG		1997 06 02.36745	16 02 51.01	−18 10 13.2				684
1997 KG		1997 06 05.27979	16 00 23.79	−18 06 07.0	18.2	R		684
1997 KG		1997 06 05.28345	16 00 23.60	−18 06 06.6				684
1997 KG		1997 06 05.28729	16 00 23.40	−18 06 06.4				684
1997 KG		1997 06 10.24090	15 56 24.11	−17 59 43.9				684
1997 KG		1997 06 10.24656	15 56 23.84	−17 59 43.3	18.3	R		684
1997 KG		1997 06 10.25203	15 56 23.64	−17 59 43.5				684
1997 KG		1997 06 11.26622	15 55 36.72	−17 58 31.4				684
1997 KG		1997 06 11.27247	15 55 36.44	−17 58 30.8				684
1997 KG		1997 06 11.27835	15 55 36.16	−17 58 30.4	18.3	R		684
1997 KG		1997 06 12.29944	15 54 49.82	−17 57 21.4			E	684
1997 KG		1997 06 12.31030	15 54 49.31	−17 57 20.3			E	684

1997 KH	*	1997 05 30.27941	16 06 03.46	−18 12 28.8	17.6	R		684
1997 KH		1997 05 30.29041	16 06 02.83	−18 12 27.1				684
1997 KH		1997 06 01.29714	16 04 12.16	−18 06 24.5				684
1997 KH		1997 06 01.30111	16 04 11.95	−18 06 24.0	17.6	R		684
1997 KH		1997 06 01.30519	16 04 11.69	−18 06 23.1				684
1997 KH		1997 06 02.35970	16 03 14.04	−18 03 15.4				684
1997 KH		1997 06 02.36363	16 03 13.84	−18 03 14.5				684
1997 KH		1997 06 02.36745	16 03 13.63	−18 03 14.1				684
1997 KH		1997 06 05.26787	16 00 38.68	−17 54 51.0	17.7	R		684
1997 KH		1997 06 05.27159	16 00 38.48	−17 54 50.3				684
1997 KH		1997 06 05.27481	16 00 38.29	−17 54 49.6				684
1997 KH		1997 06 10.22661	15 56 27.87	−17 41 26.2	18.1	R		684
1997 KH		1997 06 10.23262	15 56 27.57	−17 41 25.4				684
1997 KH		1997 06 10.23545	15 56 27.44	−17 41 24.7				684
1997 KJ	*	1997 05 30.30435	16 54 42.46	−20 11 37.0	18.3	R		684
1997 KJ		1997 05 30.31384	16 54 41.77	−20 11 36.9				684
1997 KJ		1997 06 02.37493	16 51 11.27	−20 11 41.0			I	684
1997 KJ		1997 06 02.38064	16 51 10.74	−20 11 42.9				684
1997 KJ		1997 06 02.38597	16 51 10.39	−20 11 42.4			I	684
1997 LA	*	1997 06 01.27691	15 04 05.73	−16 51 31.5	19.1	R		684
1997 LA		1997 06 01.28611	15 04 05.23	−16 51 32.1				684
1997 LA		1997 06 01.29014	15 04 05.02	−16 51 32.2				684
1997 LA		1997 06 02.26985	15 03 15.22	−16 52 25.4			F	684
1997 LA		1997 06 02.27647	15 03 14.95	−16 52 25.7			F	684
1997 LA		1997 06 02.28866	15 03 14.31	−16 52 26.1			F	684
1997 LB	*	1997 06 01.32244	16 06 07.92	−18 01 06.5			E	684
1997 LB		1997 06 01.33789	16 06 07.13	−18 01 04.9	18.6	R	E	684
1997 LB		1997 06 02.41248	16 05 12.78	−17 58 31.8				684
1997 LB		1997 06 02.41810	16 05 12.49	−17 58 31.1				684
1997 LB		1997 06 02.42374	16 05 12.21	−17 58 30.0				684
1997 LC	*	1997 06 01.35051	16 56 01.94	−20 06 08.4	18.0	R	E	684
1997 LC		1997 06 01.36177	16 56 01.32	−20 06 07.4			E	684
1997 LC		1997 06 02.39705	16 55 06.24	−20 04 20.2			I	684
1997 LC		1997 06 02.40088	16 55 06.01	−20 04 20.1			I	684
1997 LC		1997 06 02.40472	16 55 05.77	−20 04 19.5				684
1997 LC		1997 06 05.33126	16 52 29.17	−19 59 16.8				684
1997 LC		1997 06 05.33559	16 52 28.92	−19 59 16.3				684
1997 LC		1997 06 05.33980	16 52 28.68	−19 59 15.9	18.2	R		684
1997 LC		1997 06 09.32223	16 48 55.41	−19 52 27.9	17.9	R		684
1997 LC		1997 06 09.32784	16 48 55.05	−19 52 27.0				684
1997 LC		1997 06 09.33434	16 48 54.65	−19 52 27.5				684
1997 LP	*	1997 06 04.25683	16 21 04.45	−16 33 23.4				684
1997 LP		1997 06 04.26164	16 21 04.13	−16 33 23.5				684
1997 LP		1997 06 05.29348	16 20 04.88	−16 31 35.9	18.5	R		684
1997 LP		1997 06 05.29954	16 20 04.53	−16 31 35.5				684
1997 LP		1997 06 05.30589	16 20 04.14	−16 31 34.7				684
1997 LQ	*	1997 06 04.28834	16 21 25.79	−17 21 19.4	18.5	R	E	684
1997 LQ		1997 06 04.29978	16 21 25.21	−17 21 18.0			E	684
1997 LQ		1997 06 05.31595	16 20 35.81	−17 19 12.7				684
1997 LQ		1997 06 05.32031	16 20 35.60	−17 19 12.2				684
1997 LQ		1997 06 05.32431	16 20 35.38	−17 19 11.7	18.6	R		684
1997 LC_1	*	1997 06 05.29348	16 19 47.00	−16 27 46.7				684
1997 LC_1		1997 06 05.30589	16 19 46.38	−16 27 43.4				684
1997 LC_1		1997 06 07.29381	16 18 00.48	−16 18 27.6			I	684
1997 LC_1		1997 06 07.31164	16 17 59.39	−16 18 23.1				684
1997 LC_1		1997 06 07.31933	16 17 59.01	−16 18 20.5	18.9	R		684
1997 LD_1	*	1997 06 05.29348	16 20 01.70	−16 26 40.7	19.2	R		684
1997 LD_1		1997 06 05.29954	16 20 01.36	−16 26 40.9				684
1997 LD_1		1997 06 05.30589	16 20 01.02	−16 26 41.0				684
1997 LD_1		1997 06 07.29381	16 18 12.24	−16 28 19.2				684
1997 LD_1		1997 06 07.31164	16 18 11.22	−16 28 17.2				684
1997 LD_1		1997 06 07.31933	16 18 10.76	−16 28 16.8	18.8	R		684
1997 LE_1	*	1997 06 05.29348	16 20 21.48	−16 31 37.5			I	684
1997 LE_1		1997 06 05.29954	16 20 21.21	−16 31 35.5				684
1997 LE_1		1997 06 05.30589	16 20 20.89	−16 31 33.9	18.7	R		684
1997 LE_1		1997 06 07.29381	16 18 46.11	−16 23 21.4				684
1997 LE_1		1997 06 07.31164	16 18 45.19	−16 23 15.8				684
1997 LE_1		1997 06 07.31933	16 18 44.88	−16 23 13.6	18.7	R		684
1997 LP_2	*	1997 06 07.27039	15 03 31.59	−14 42 30.5	18.0	R		684
1997 LP_2		1997 06 07.27500	15 03 31.43	−14 42 31.1				684
1997 LP_2		1997 06 07.27966	15 03 31.32	−14 42 30.9				684
1997 LP_2		1997 06 09.30201	15 02 28.86	−14 43 49.6	18.3	R		684
1997 LP_2		1997 06 09.30765	15 02 28.70	−14 43 49.6				684
1997 LP_2		1997 06 09.31206	15 02 28.52	−14 43 49.6				684
1997 LC_4		1997 06 10.26111	16 43 44.32	−19 59 41.1	17.0	R		684
1997 LC_4		1997 06 10.26653	16 43 43.78	−19 59 45.5				684
1997 LC_4		1997 06 10.27186	16 43 43.21	−19 59 49.3				684
1997 LC_4		1997 06 11.30990	16 42 04.74	−20 13 23.5	16.7	R		684
1997 LC_4		1997 06 11.31626	16 42 04.11	−20 13 29.1				684
1997 LC_4		1997 06 13.33639	16 38 54.74	−20 39 41.1	17.0	R		684
1997 LC_4		1997 06 13.34325	16 38 54.08	−20 39 46.2				684
1997 LD_4		1997 06 07.33038	16 05 46.94	−23 04 41.8				684
1997 LE_4	*	1997 06 09.28473	14 56 12.80	−17 40 07.6	18.1	R	E	684
1997 LE_4		1997 06 09.29034	14 56 12.65	−17 40 05.0			E	684
1997 LE_4		1997 06 09.29578	14 56 12.47	−17 40 02.6			E	684
1997 LE_4		1997 06 10.21229	14 55 46.92	−17 33 22.9	17.8	R		684
1997 LE_4		1997 06 10.21651	14 55 46.78	−17 33 21.0				684
1997 LE_4		1997 06 10.22093	14 55 46.65	−17 33 19.2				684
1997 LE_4		1997 06 11.24902	14 55 18.92	−17 25 56.5	18.0	R		684
1997 LE_4		1997 06 11.25431	14 55 18.80	−17 25 54.4				684
1997 LE_4		1997 06 11.25852	14 55 18.68	−17 25 52.5				684
1997 LW_4	*	1997 06 10.24090	15 56 24.36	−18 00 05.2				684
1997 LW_4		1997 06 10.24656	15 56 24.06	−18 00 04.9	18.6	R		684
1997 LW_4		1997 06 10.25203	15 56 23.76	−18 00 05.6				684
1997 LW_4		1997 06 11.26622	15 55 38.19	−18 00 40.1			I	684
1997 LW_4		1997 06 11.27247	15 55 37.89	−18 00 40.2			I	684
1997 LW_4		1997 06 11.27835	15 55 37.56	−18 00 40.4	18.5	R		684
1997 LX_4	*	1997 06 10.26111	16 43 01.53	−19 59 24.8	17.5	R		684
1997 LX_4		1997 06 10.26653	16 43 01.24	−19 59 23.4				684
1997 LX_4		1997 06 10.27186	16 43 00.94	−19 59 21.3				684
1997 LX_4		1997 06 11.28618	16 42 05.76	−19 54 10.1	17.0	R		684
1997 LX_4		1997 06 11.30237	16 42 04.86	−19 54 05.6				684
1997 LX_4		1997 06 12.31840	16 41 10.23	−19 48 56.9	18.1	R		684
1997 LX_4		1997 06 12.32442	16 41 09.89	−19 48 55.3				684

1997 LX_4		1997 06 12.33044	16 41 09.56	−19 48 53.3				684
1997 LX_4		1997 06 13.31634	16 40 17.19	−19 43 55.5				684
1997 LX_4		1997 06 13.32250	16 40 16.85	−19 43 53.0				684
1997 LX_4		1997 06 13.32847	16 40 16.51	−19 43 51.2	17.7	R		684
1997 LZ_4	*	1997 06 11.26622	15 56 22.21	−18 00 15.6			E	684
1997 LZ_4		1997 06 11.27247	15 56 21.90	−18 00 14.6			E	684
1997 LZ_4		1997 06 11.27835	15 56 21.60	−18 00 13.2	18.3	R	E	684
1997 LZ_4		1997 06 12.29944	15 55 32.69	−17 56 42.5				684
1997 LZ_4		1997 06 12.30493	15 55 32.45	−17 56 41.4				684
1997 LZ_4		1997 06 12.31030	15 55 32.17	−17 56 40.4	18.3	R		684
1997 LA_5	*	1997 06 11.36189	20 08 25.04	−17 41 29.6			E	684
1997 LA_5		1997 06 11.37623	20 08 24.86	−17 41 36.1	18.7	R	E	684
1997 LA_5		1997 06 12.34167	20 08 13.50	−17 48 48.7	18.7	R		684
1997 LA_5		1997 06 12.34891	20 08 13.38	−17 48 52.1				684
1997 LA_5		1997 06 12.35447	20 08 13.31	−17 48 54.5				684
1997 LA_5		1997 06 13.35734	20 07 59.68	−17 56 35.8	18.6	R		684
1997 LA_5		1997 06 13.36346	20 07 59.59	−17 56 38.8				684
1997 LA_5		1997 06 13.38228	20 07 59.25	−17 56 47.4				684
1997 LA_5		1997 06 14.36294	20 07 44.25	−18 04 29.7			I	684
1997 LA_5		1997 06 14.37380	20 07 44.05	−18 04 34.9				684
1997 LA_5		1997 06 14.38113	20 07 43.89	−18 04 38.5	18.3	R		684
1997 LX_5	*	1997 06 13.35734	20 08 40.58	−18 01 55.8	18.6	R		684
1997 LX_5		1997 06 13.36346	20 08 40.48	−18 01 56.3				684
1997 LX_5		1997 06 13.38228	20 08 40.10	−18 01 58.0				684
1997 LX_5		1997 06 14.37380	20 08 22.99	−18 03 12.9			I	684
1997 LX_5		1997 06 14.38113	20 08 22.85	−18 03 13.4	18.4	R		684
(2916)		1997 06 05.17889	10 48 47.04	+03 42 14.6				684
(2916)		1997 06 05.19520	10 48 48.38	+03 42 06.8				684
(4305)		1997 06 09.32223	16 48 38.19	−19 46 54.9	16.8	R		684
(4305)		1997 06 09.32784	16 48 37.89	−19 46 54.3				684
(6273)		1997 05 30.30435	16 54 41.17	−20 09 59.0	18.3	R		684
(6273)		1997 05 30.31384	16 54 40.58	−20 09 58.3				684
(6273)		1997 06 11.28618	16 42 52.18	−19 50 54.5	18.3	R		684
(6273)		1997 06 11.29226	16 42 51.78	−19 50 53.6				684
(6273)		1997 06 12.31840	16 41 52.21	−19 49 17.3	18.2	R		684
(6273)		1997 06 12.32442	16 41 51.95	−19 49 17.0			I	684
(6918)		1997 05 30.27432	16 05 32.90	−17 52 13.6	16.0	R		684
(6918)		1997 05 30.28478	16 05 32.26	−17 52 11.8				684

688 Lowell Observatory, Anderson Mesa Station
M. W. Buie, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff AZ 86001, U.S.A. [buie@lowell.edu]
Observers M. W. Buie, B. A. Skiff, J. Hilbert, J. Stansberry
Measurer M. W. Buie
1.07-m Hall reflector + CCD, 1.8-m Perkins telescope + CCD
USNO-A1.0

1973 QO_1	1997 05 14.18560	11 20 19.72	−03 43 17.6	19.2	R		688
1973 QO_1	1997 05 14.18741	11 20 19.73	−03 43 17.4	19.2	R		688
1973 QO_1	1997 05 14.20398	11 20 19.60	−03 43 15.5	20.0	R		688
1973 QO_1	1997 05 14.20543	11 20 19.64	−03 43 16.1	19.5	R		688
1978 SD_7	1997 05 08.21620	11 03 53.12	+03 16 10.7	18.3	R		688
1978 SD_7	1997 05 08.22008	11 03 53.16	+03 16 11.1	18.3	R		688
1978 SD_7	1997 05 08.26296	11 03 53.45	+03 16 14.1	18.7	R		688
1978 SD_7	1997 05 08.26685	11 03 53.47	+03 16 14.4	18.5	R		688
1978 SD_7	1997 05 14.17794	11 05 09.47	+03 21 08.2	18.8	R		688
1978 SD_7	1997 05 14.17973	11 05 09.53	+03 21 08.1	18.7	R		688
1978 SD_7	1997 05 14.19712	11 05 09.78	+03 21 08.5	18.5	R		688
1978 SD_7	1997 05 14.19891	11 05 09.83	+03 21 08.2	18.8	R		688
1978 UY_4	1997 05 13.22927	12 56 05.43	−07 10 42.2	19.9	R		688
1978 UY_4	1997 05 13.23152	12 56 05.35	−07 10 41.6	20.0	R		688
1978 UY_4	1997 05 13.24417	12 56 04.96	−07 10 38.1	19.9	R		688
1978 UY_4	1997 05 13.24641	12 56 04.89	−07 10 37.2	20.1	R		688
1981 EP_{16}	1997 05 13.20553	11 23 56.99	−01 20 03.4	19.0	R		688
1981 EP_{16}	1997 05 13.20779	11 23 56.98	−01 20 03.4	19.2	R		688
1981 EP_{16}	1997 05 13.21975	11 23 57.06	−01 20 01.9	19.2	R		688
1981 EP_{16}	1997 05 13.22199	11 23 57.07	−01 20 01.4	19.1	R		688
1982 ST_7	1997 05 14.28171	13 11 41.51	−12 38 46.6	19.5	R		688
1982 ST_7	1997 05 14.28421	13 11 41.43	−12 38 45.7	19.7	R		688
1982 ST_7	1997 05 14.29711	13 11 40.92	−12 38 42.0	20.2	R		688
1982 ST_7	1997 05 14.29959	13 11 40.90	−12 38 42.0	20.5	R		688
1984 SZ_5	1997 05 13.16700	09 58 45.74	+16 10 56.4	19.0	R		688
1984 SZ_5	1997 05 13.16925	09 58 45.82	+16 10 55.4	18.6	R		688
1986 GZ	1997 05 08.37303	15 18 51.06	+01 50 44.9	18.1	R		688
1986 GZ	1997 05 08.37691	15 18 50.79	+01 50 48.9	18.1	R		688
1986 GZ	1997 05 08.38933	15 18 50.08	+01 51 00.7	18.0	R		688
1986 GZ	1997 05 08.39321	15 18 49.83	+01 51 04.5	18.0	R		688
1989 EX	1997 03 07.28214	11 23 30.79	+15 33 26.2	15.7	R		688
1989 EX	1997 03 07.29170	11 23 30.31	+15 33 32.6	15.7	R		688
1990 FH	1997 05 13.23436	13 01 31.86	+10 27 54.5	16.5	R		688
1990 FH	1997 05 13.23661	13 01 31.75	+10 27 51.2	16.5	R		688
1990 FH	1997 05 13.24895	13 01 31.17	+10 27 32.9	16.5	R		688
1990 FH	1997 05 13.25119	13 01 31.07	+10 27 29.6	16.5	R		688
1991 RD_{16}	1997 05 13.32071	16 13 23.17	−13 07 03.7	18.7	R		688
1991 RD_{16}	1997 05 13.32295	16 13 23.02	−13 07 03.2	18.8	R		688
1991 RD_{16}	1997 05 13.33992	16 13 21.97	−13 06 58.9	18.8	R		688
1991 RD_{16}	1997 05 13.34216	16 13 21.85	−13 06 58.7	19.0	R		688
1992 BU_4	1997 05 13.32910	17 07 41.89	−13 15 16.4	20.0	R		688
1992 BU_4	1997 05 13.33134	17 07 41.78	−13 15 15.9	20.2	R		688
1992 BU_4	1997 05 13.34478	17 07 41.14	−13 15 12.7	19.7	R		688
1992 BU_4	1997 05 13.34703	17 07 41.03	−13 15 12.4	19.7	R		688
1993 QP	1993 09 11.25265	23 24 14.69	+28 31 58.0	17.3	R		688
1993 QP	1993 09 11.26043	23 24 15.03	+28 32 08.6	17.3	R		688
1993 QP	1993 09 11.27995	23 24 15.91	+28 32 35.5	17.4	R		688
1993 QP	1993 09 11.29339	23 24 16.50	+28 32 53.5	17.4	R		688
1993 QP	1993 09 11.32164	23 24 17.78	+28 33 32.1	17.2	R		688
1993 QP	1993 09 11.34766	23 24 18.94	+28 34 06.5	17.0	R		688
1993 QP	1993 09 11.36291	23 24 19.63	+28 34 26.6	17.1	R		688
1993 QP	1993 09 11.39685	23 24 21.17	+28 35 10.8	17.0	R		688
1993 QP	1993 09 11.40979	23 24 21.75	+28 35 27.5	17.0	R		688
1993 QP	1993 09 16.14392	23 28 55.08	+30 07 30.3	17.3	R		688
1993 QP	1993 09 16.14890	23 28 55.32	+30 07 35.8	17.3	R		688
1993 QP	1993 09 16.16637	23 28 56.18	+30 07 54.5	17.3	R		688
1993 QP	1993 09 16.19521	23 28 57.52	+30 08 24.8	17.3	R		688
1993 QP	1993 09 16.29988	23 29 02.14	+30 10 11.3	17.2	R		688
1993 QP	1993 09 16.37367	23 29 05.35	+30 11 22.4	17.5	R		688

1993 QP	1993 09 16.42718	23 29 07.80	+30 12 12.0	17.5	R	688
1993 QP	1993 09 17.12836	23 29 50.86	+30 23 17.4	17.4	R	688
1993 QP	1993 09 17.14022	23 29 51.46	+30 23 29.4	17.5	R	688
1993 QP	1993 09 17.17250	23 29 53.00	+30 24 01.5	17.5	R	688
1993 QP	1993 09 17.20138	23 29 54.34	+30 24 29.7	17.5	R	688
1993 QP	1993 09 17.21447	23 29 54.95	+30 24 42.4	17.5	R	688
1993 QP	1993 09 17.27756	23 29 57.71	+30 25 42.2	17.5	R	688
1993 QP	1993 09 17.32609	23 29 59.82	+30 26 26.5	17.5	R	688
1993 QP	1993 09 17.43731	23 30 04.85	+30 28 03.1	17.5	R	688
1993 QP	1993 11 04.17535	00 24 43.87	+27 44 07.3	18.1	R	688
1993 QP	1993 11 04.18329	00 24 44.48	+27 44 01.9	18.1	R	688
1993 QP	1993 11 04.19082	00 24 45.08	+27 43 56.9	18.1	R	688
1993 QP	1993 11 05.13042	00 26 06.72	+27 33 20.9	18.2	R	688
1993 QP	1993 11 05.14034	00 26 07.51	+27 33 14.4	18.2	R	688
1993 QP	1993 11 05.14972	00 26 08.25	+27 33 08.5	18.3	R	688
1993 QP	1993 11 05.15916	00 26 08.99	+27 33 01.9	18.3	R	688
1993 QP	1993 11 05.16994	00 26 09.86	+27 32 55.1	18.2	R	688
1993 QP	1993 11 05.19078	00 26 11.52	+27 32 41.1	18.3	R	688
1993 QP	1993 11 05.36553	00 26 25.59	+27 30 40.0	18.2	R	688
1993 QP	1993 11 05.37525	00 26 26.40	+27 30 33.1	18.1	R	688
1993 QP	1993 11 05.38939	00 26 27.57	+27 30 22.9	18.3	R	688
1993 QP	1993 11 05.39888	00 26 28.38	+27 30 16.0	18.2	R	688
1993 QP	1993 11 05.40836	00 26 29.21	+27 30 09.3	18.0	R	688
1993 QP	1993 11 06.14197	00 27 34.73	+27 22 02.2	18.3	R	688
1993 QP	1993 11 06.15146	00 27 35.47	+27 21 55.9	18.3	R	688
1993 QP	1993 11 06.16093	00 27 36.25	+27 21 49.9	18.3	R	688
1993 QP	1993 11 06.17041	00 27 36.99	+27 21 43.5	18.3	R	688
1993 QP	1993 11 06.17975	00 27 37.76	+27 21 37.3	18.3	R	688
1993 QP	1993 11 06.18916	00 27 38.48	+27 21 31.1	18.1	R	688
1993 QP	1993 11 07.22852	00 29 09.45	+27 09 59.7	18.4	R	688
1993 QP	1993 11 07.23834	00 29 10.24	+27 09 53.3	18.3	R	688
1993 QP	1993 11 07.24772	00 29 11.02	+27 09 47.0	18.5	R	688
1993 QP	1993 11 07.25713	00 29 11.79	+27 09 40.5	18.4	R	688
1993 QP	1993 11 07.26649	00 29 12.56	+27 09 34.1	18.5	R	688
1993 QP	1993 11 07.27594	00 29 13.30	+27 09 27.9	18.5	R	688
1993 QP	1993 11 07.28531	00 29 14.09	+27 09 21.3	18.4	R	688
1993 UC	1994 05 07.32604	14 05 00.35	+47 00 57.6	16.1	R	688
1993 UC	1994 05 07.32869	14 05 00.34	+47 00 52.3	16.1	R	688
1993 UC	1994 05 07.33111	14 05 00.34	+47 00 47.5	16.1	R	688
1993 UC	1994 05 07.33353	14 05 00.39	+47 00 42.7	16.2	R	688
1993 UC	1994 05 07.33596	14 05 00.38	+47 00 38.1	16.1	R	688
1993 UC	1994 05 07.33839	14 05 00.41	+47 00 33.4	16.1	R	688
1993 UC	1994 05 07.34083	14 05 00.43	+47 00 29.2	16.2	R	688
1993 UC	1994 05 07.34325	14 05 00.44	+47 00 24.4	16.1	R	688
1993 UC	1994 05 07.34567	14 05 00.46	+47 00 19.7	16.1	R	688
1993 UC	1994 05 07.34809	14 05 00.50	+47 00 15.2	16.1	R	688
1993 UC	1994 05 07.35051	14 05 00.49	+47 00 10.5	16.1	R	688
1993 UC	1994 05 07.35560	14 05 00.52	+47 00 00.7	16.1	R	688
1993 UC	1994 05 07.36189	14 05 00.59	+46 59 48.8	16.1	R	688
1993 UC	1994 05 07.36863	14 05 00.65	+46 59 35.9	16.1	R	688
1993 UC	1994 05 07.37833	14 05 00.70	+46 59 17.2	16.1	R	688
1993 UC	1994 05 10.24920	14 05 43.26	+45 30 32.2	16.3	R	688
1993 UC	1994 05 10.25163	14 05 43.30	+45 30 28.1	16.2	R	688
1993 UC	1994 05 10.25404	14 05 43.31	+45 30 23.7	16.2	R	688
1993 UC	1994 05 10.25646	14 05 43.32	+45 30 19.0	16.2	R	688
1993 UC	1994 05 10.25888	14 05 43.34	+45 30 14.8	16.2	R	688
1993 UC	1994 05 10.26131	14 05 43.37	+45 30 10.3	16.3	R	688
1993 UC	1994 05 10.26373	14 05 43.38	+45 30 06.0	16.3	R	688
1993 UC	1994 05 10.26615	14 05 43.40	+45 30 01.5	16.3	R	688
1993 UC	1994 05 10.26856	14 05 43.45	+45 29 56.9	16.2	R	688
1993 UC	1994 05 10.27098	14 05 43.46	+45 29 52.4	16.2	R	688
1993 UC	1994 05 10.27877	14 05 43.52	+45 29 38.3	16.1	R	688
1993 UC	1994 05 10.29087	14 05 43.60	+45 29 16.3	16.2	R	688
1993 UC	1994 05 10.30315	14 05 43.71	+45 28 53.4	16.2	R	688
1993 UC	1994 05 10.35304	14 05 44.15	+45 27 21.4	15.9	R	688
1993 UC	1994 05 10.36272	14 05 44.27	+45 27 03.3	15.8	R	688
1993 UC	1994 05 10.37730	14 05 44.38	+45 26 36.3	15.9	R	688
1993 UC	1994 05 10.38699	14 05 44.51	+45 26 18.3	15.9	R	688
1993 UC	1994 05 10.39909	14 05 44.65	+45 25 55.6	15.9	R	688
1993 UC	1994 05 13.27867	14 06 32.17	+43 59 39.9	15.7	R	688
1993 UC	1994 05 13.28155	14 06 32.19	+43 59 34.6	15.7	R	688
1993 UC	1994 05 13.28443	14 06 32.20	+43 59 30.3	15.7	R	688
1993 UC	1994 05 13.28731	14 06 32.22	+43 59 24.8	15.7	R	688
1993 UC	1994 05 13.29020	14 06 32.25	+43 59 19.4	15.7	R	688
1993 UC	1994 05 13.29307	14 06 32.30	+43 59 14.1	15.7	R	688
1993 UC	1994 05 13.29596	14 06 32.32	+43 59 09.4	15.6	R	688
1993 UC	1994 05 13.29885	14 06 32.36	+43 59 04.0	15.6	R	688
1993 UC	1994 05 13.32488	14 06 32.64	+43 58 17.1	15.7	R	688
1993 UC	1994 05 13.32777	14 06 32.68	+43 58 12.5	15.6	R	688
1993 UC	1994 05 13.35375	14 06 32.94	+43 57 25.1	15.7	R	688
1993 UC	1994 05 13.35663	14 06 32.98	+43 57 20.1	15.6	R	688
1993 UC	1994 06 08.17336	14 18 27.02	+32 22 55.8	17.5	R	688
1993 UC	1994 06 08.18929	14 18 27.57	+32 22 32.5	17.5	R	688
1993 UC	1994 06 08.20729	14 18 28.18	+32 22 05.9	17.6	R	688
1993 UC	1994 06 08.22564	14 18 28.83	+32 21 38.8	17.6	R	688
1993 UC	1994 06 08.24363	14 18 29.47	+32 21 11.5	17.6	R	688
1993 UC	1994 06 08.26181	14 18 30.08	+32 20 45.0	17.8	R	688
1993 UC	1994 06 08.28340	14 18 30.85	+32 20 12.7	17.9	R	688
1993 UC	1994 06 08.35623	14 18 33.41	+32 18 23.7	17.9	R	688
1993 UC	1994 06 09.26699	14 19 08.79	+31 55 58.4	17.7	R	688
1993 UC	1994 06 09.27855	14 19 09.23	+31 55 41.4	17.7	R	688
1993 UC	1994 06 09.29655	14 19 09.87	+31 55 14.8	17.7	R	688
1993 UC	1994 06 09.31495	14 19 10.52	+31 54 47.9	17.6	R	688
1993 UC	1994 06 09.33295	14 19 11.20	+31 54 20.4	17.6	R	688
1993 UC	1994 06 09.35157	14 19 11.89	+31 53 52.8	17.6	R	688
1993 UC	1994 06 09.36958	14 19 12.57	+31 53 25.9	17.5	R	688
1993 UC	1994 06 10.26089	14 19 47.91	+31 31 38.7	17.6	R	688
1993 UC	1994 06 10.28395	14 19 48.76	+31 31 04.6	17.5	R	688
1993 UC	1994 06 10.30463	14 19 49.52	+31 30 34.3	17.6	R	688
1993 UC	1994 06 10.31183	14 19 49.80	+31 30 23.7	17.5	R	688
1993 UC	1994 06 10.33086	14 19 50.50	+31 29 55.1	17.6	R	688
1993 UC	1994 06 10.34166	14 19 50.92	+31 29 38.9	17.5	R	688
1993 UC	1994 06 10.35965	14 19 51.65	+31 29 12.3	17.5	R	688
1993 UC	1994 06 10.37424	14 19 52.20	+31 28 51.0	17.3	R	688

1993 WD	1993 12 22.08469	21 30 58.53	+36 06 59.7	17.7	R	688
1993 WD	1993 12 22.09582	21 30 57.04	+36 06 58.9	17.6	R	688
1993 WD	1993 12 22.11385	21 30 54.60	+36 06 57.5	17.6	R	688
1993 WD	1993 12 22.15035	21 30 49.67	+36 06 54.3	17.7	R	688
1993 WD	1993 12 22.16865	21 30 47.31	+36 06 52.6	17.4	R	688
1993 WD	1993 12 22.18668	21 30 44.93	+36 06 50.9	17.7	R	688
1994 JR_1	1997 06 11.33266	16 31 41.32	−18 03 22.5	22.6	R	688
1994 JR_1	1997 06 11.34510	16 31 41.24	−18 03 22.7	23.0	R	688
1994 JR_1	1997 06 11.35692	16 31 41.22	−18 03 22.7	23.9	R	688
1994 JR_1	1997 06 11.36766	16 31 41.13	−18 03 22.6	22.5	R	688
1994 JR_1	1997 06 11.37833	16 31 41.01	−18 03 22.0	22.8	R	688
1994 JR_1	1997 06 11.39075	16 31 40.98	−18 03 22.5	22.1	R	688
1994 PA_{39}	1997 05 14.27251	12 58 39.88	−06 32 59.4	18.0	R	688
1994 PA_{39}	1997 05 14.27432	12 58 39.84	−06 32 58.9	18.1	R	688
1994 PA_{39}	1997 05 14.28683	12 58 39.60	−06 32 56.1	18.2	R	688
1994 PA_{39}	1997 05 14.28932	12 58 39.54	−06 32 55.5	18.1	R	688
1994 RC	1994 09 09.15100	23 16 20.65	−04 27 52.8	16.8	R	688
1994 RC	1994 09 09.15421	23 16 20.37	−04 27 50.7	16.7	R	688
1994 RC	1994 09 09.17941	23 16 18.23	−04 27 34.4	16.8	R	688
1994 RC	1994 09 09.19757	23 16 16.68	−04 27 22.6	16.6	R	688
1994 RC	1994 09 09.21558	23 16 15.15	−04 27 11.3	16.5	R	688
1994 RC	1994 09 09.23372	23 16 13.57	−04 26 58.9	16.6	R	688
1994 RC	1994 09 09.25171	23 16 11.99	−04 26 47.2	16.4	R	688
1994 RC	1994 09 09.26992	23 16 10.40	−04 26 35.2	16.5	R	688
1994 TT_3	1997 05 13.29478	15 16 47.57	−02 47 27.2	17.3	R	688
1994 TT_3	1997 05 13.29703	15 16 47.44	−02 47 25.3	17.3	R	688
1994 TT_3	1997 05 13.30985	15 16 46.69	−02 47 14.9	17.2	R	688
1994 TT_3	1997 05 13.31209	15 16 46.56	−02 47 13.2	17.3	R	688
1995 SS	1997 05 14.32505	15 41 19.13	−09 40 46.4	15.5	R	688
1995 SS	1997 05 14.32755	15 41 18.95	−09 40 41.8	15.5	R	688
1995 SS	1997 05 14.34669	15 41 17.65	−09 40 06.2	15.5	R	688
1995 SS	1997 05 14.34919	15 41 17.48	−09 40 01.3	15.5	R	688
1995 SZ_3	1997 05 08.20726	10 49 35.76	+04 22 38.2	19.1	R	688
1995 SZ_3	1997 05 08.21112	10 49 35.78	+04 22 39.0	19.2	R	688
1995 SZ_3	1997 05 08.25417	10 49 36.25	+04 22 41.9	19.5	R	688
1995 SZ_3	1997 05 08.25804	10 49 36.27	+04 22 42.5	19.3	R	688
1995 SS_{53}	1997 05 13.28483	14 07 53.34	−14 05 21.6	19.2	R	688
1995 SS_{53}	1997 05 13.28708	14 07 53.23	−14 05 21.2	19.2	R	688
1995 SS_{53}	1997 05 13.29993	14 07 52.52	−14 05 18.4	19.0	R	688
1995 SS_{53}	1997 05 13.30218	14 07 52.38	−14 05 17.8	19.0	R	688
1995 YH_3	1997 05 13.25891	13 53 23.45	+02 09 33.9	19.1	R	688
1995 YH_3	1997 05 13.26116	13 53 23.34	+02 09 34.4	19.1	R	688
1995 YH_3	1997 05 13.27454	13 53 22.68	+02 09 35.5	19.2	R	688
1995 YH_3	1997 05 13.27678	13 53 22.55	+02 09 35.6	19.1	R	688
1997 AL_5	1997 03 07.28464	08 37 06.54	+20 08 08.0	15.9	R	688
1997 BR_1	1997 03 07.25697	09 24 53.93	+22 03 27.7	15.9	R	688
1997 BR_1	1997 03 07.28690	09 24 52.98	+22 03 38.7	15.9	R	688
1997 CW	1997 03 07.25949	10 19 50.71	+17 53 22.8	16.7	R	688
1997 CW	1997 03 07.28941	10 19 48.94	+17 53 27.9	17.0	R	688
1997 EO_{17}	1997 05 14.21877	11 48 16.11	+09 40 38.6	18.6	R	688
1997 EO_{17}	1997 05 14.22057	11 48 16.11	+09 40 38.2	18.6	R	688
1997 EO_{17}	1997 05 14.25359	11 48 15.96	+09 40 30.1	18.9	R	688
1997 EO_{17}	1997 05 14.25536	11 48 15.94	+09 40 29.6	18.9	R	688
1997 ER_{40}	1997 05 14.21486	12 19 20.59	+05 10 40.2	19.0	R	688
1997 ER_{40}	1997 05 14.21667	12 19 20.60	+05 10 40.4	19.2	R	688
1997 EZ_{47}	1997 05 14.22663	11 45 33.31	+10 56 08.4	19.5	R	688
1997 EZ_{47}	1997 05 14.22843	11 45 33.30	+10 56 08.2	19.5	R	688
1997 EZ_{47}	1997 05 14.26110	11 45 33.22	+10 56 03.5	19.7	R	688
1997 EZ_{47}	1997 05 14.26289	11 45 33.21	+10 56 03.1	19.9	R	688
1997 FF	1997 05 08.36455	14 47 38.10	−10 03 25.0	17.2	R	688
1997 FF	1997 05 08.36843	14 47 37.73	−10 03 28.6	17.2	R	688
1997 FF	1997 05 08.38096	14 47 36.48	−10 03 40.6	16.8	R	688
1997 FF	1997 05 08.38484	14 47 36.09	−10 03 43.8	16.9	R	688
1997 FZ_1	1997 05 14.27251	12 58 51.01	−06 32 17.2	17.9	R	688
1997 FZ_1	1997 05 14.27432	12 58 50.99	−06 32 16.9	18.0	R	688
1997 FZ_1	1997 05 14.28683	12 58 50.77	−06 32 15.9	17.8	R	688
1997 FZ_1	1997 05 14.28932	12 58 50.74	−06 32 15.8	17.7	R	688
1997 GU	1997 05 08.29705	12 39 19.69	−05 11 59.0	18.7	R	688
1997 GU	1997 05 08.30093	12 39 19.62	−05 11 59.2	18.7	R	688
1997 GU	1997 05 08.32153	12 39 19.13	−05 11 56.7	18.2	R	688
1997 GU	1997 05 08.32541	12 39 19.10	−05 11 57.3	18.1	R	688
1997 GF_3	1997 05 13.26388	13 14 39.42	+20 26 27.5	19.1	R	688
1997 GF_3	1997 05 13.26612	13 14 39.45	+20 26 30.2	19.1	R	688
1997 GF_3	1997 05 13.27985	13 14 39.49	+20 26 46.7	19.0	R	688
1997 GF_3	1997 05 13.28209	13 14 39.52	+20 26 49.4	19.1	R	688
1997 GX_{25}	1997 05 08.33079	13 08 08.50	−09 55 07.5	18.5	R	688
1997 GX_{25}	1997 05 08.33468	13 08 08.23	−09 55 10.4	18.5	R	688
1997 GX_{25}	1997 05 08.34765	13 08 07.33	−09 55 20.8	18.2	R	688
1997 GX_{25}	1997 05 08.35154	13 08 07.03	−09 55 22.9	18.4	R	688
4200 P-L	1997 05 08.33909	13 18 28.27	−05 36 36.5	18.6	R	688
4200 P-L	1997 05 08.34297	13 18 28.07	−05 36 34.6	18.6	R	688
4200 P-L	1997 05 08.35571	13 18 27.45	−05 36 29.5	18.6	R	688
4200 P-L	1997 05 08.35958	13 18 27.28	−05 36 27.9	18.4	R	688
2084 T-2	1997 05 14.35376	16 17 02.39	+11 51 43.5	17.0	R	688
2084 T-2	1997 05 14.35625	16 17 02.24	+11 51 45.6	17.0	R	688
2084 T-2	1997 05 14.36584	16 17 01.66	+11 51 53.8	17.0	R	688
2084 T-2	1997 05 14.36834	16 17 01.50	+11 51 56.0	17.0	R	688
2288 T-3	1997 05 14.27663	13 05 33.88	−12 20 12.1	18.6	R	688
2288 T-3	1997 05 14.27912	13 05 33.78	−12 20 11.5	18.6	R	688
2288 T-3	1997 05 14.29200	13 05 33.29	−12 20 08.5	18.7	R	688
2288 T-3	1997 05 14.29450	13 05 33.18	−12 20 08.3	18.6	R	688
(1597)	1997 05 14.22663	11 46 11.43	+11 01 16.7	15.4	R	688
(1597)	1997 05 14.22843	11 46 11.45	+11 01 16.7	15.4	R	688
(1597)	1997 05 14.26110	11 46 11.80	+11 01 14.8	15.9	R	688
(1597)	1997 05 14.26289	11 46 11.82	+11 01 14.8	15.9	R	688
(3643)	1993 11 04.37934	05 00 39.14	+24 20 04.4	15.5	R	688
(3643)	1993 11 04.38132	05 00 39.06	+24 20 05.8	15.7	R	688
(3643)	1993 11 04.38285	05 00 38.99	+24 20 06.4	15.7	R	688
(3643)	1993 11 04.38640	05 00 38.85	+24 20 08.4	15.6	R	688

691 Kitt Peak, Steward Observatory

T. Gehrels, Space Sciences Building, University of Arizona, Tucson, AZ 85721, U.S.A. [tgehrels@lpl.arizona.edu]

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

0.91-m Spacewatch telescope + CCD
GSC

1973 SP_1	1992 04 30.28978	14 37 05.04	−10 30 23.0	19.2	V	691
1973 SP_1	1992 04 30.31232	14 37 04.36	−10 30 19.9			691
1973 SP_1	1992 04 30.33339	14 37 03.75	−10 30 16.2			691
1978 NN_1	1997 06 02.34609	15 56 35.57	−06 43 26.8	16.6	V	691
1978 NN_1	1997 06 02.36750	15 56 34.40	−06 43 27.0	16.8	V	691
1978 NN_1	1997 06 02.38961	15 56 33.21	−06 43 25.3	16.8	V	691
1978 NN_1	1997 06 08.24920	15 51 39.70	−06 39 39.8	17.0	V	691
1978 NN_1	1997 06 08.27028	15 51 38.68	−06 39 40.3	16.6	V	691
1978 NN_1	1997 06 08.29560	15 51 37.40	−06 39 40.0	16.6	V	691
1978 NN_1	1997 06 13.16386	15 47 55.28	−06 41 16.5	16.7	V	691
1978 NN_1	1997 06 13.18504	15 47 54.29	−06 41 17.0	16.6	V	691
1978 NN_1	1997 06 13.20669	15 47 53.35	−06 41 18.2	16.6	V	691
1984 MP	1997 05 30.24626	15 29 12.19	−13 08 56.5	15.9	V	691
1984 MP	1997 05 30.26791	15 29 11.21	−13 08 45.1	15.5	V	691
1984 MP	1997 05 30.28976	15 29 10.19	−13 08 33.0	15.3	V	691
1984 SC_6	1994 02 15.43212	11 11 47.00	+10 00 43.7	18.2	V	691
1984 SC_6	1994 02 15.46466	11 11 45.41	+10 00 56.0			691
1984 SC_6	1994 02 15.51708	11 11 42.82	+10 01 15.6			691
1985 US	1997 06 10.17194	15 39 03.50	−13 57 06.7	18.1	V	691
1985 US	1997 06 10.19358	15 39 02.46	−13 57 05.8	18.4	V	691
1985 US	1997 06 10.21552	15 39 01.49	−13 57 04.5	18.4	V	691
1987 SU_{17}	1997 06 05.15959	15 31 17.04	−13 43 35.5	17.0	V	691
1987 SU_{17}	1997 06 05.18176	15 31 15.88	−13 43 28.6	17.0	V	691
1987 SU_{17}	1997 06 10.23099	15 27 19.19	−13 19 29.5	17.0	V	691
1987 SU_{17}	1997 06 10.25323	15 27 18.17	−13 19 23.7	17.1	V	691
1987 SU_{17}	1997 06 10.27549	15 27 17.14	−13 19 18.1	17.1	V	691
1988 RN_{10}	1997 05 29.27485	16 24 34.46	−00 39 56.3	19.1	V	691
1988 RN_{10}	1997 05 29.29603	16 24 33.79	−00 39 55.1	19.3	V	691
1988 RN_{10}	1997 05 29.31726	16 24 33.13	−00 39 53.6	19.2	V	691
1989 WC_3	1994 04 19.28661	13 03 23.21	−10 00 52.5	17.0	V	691
1989 WC_3	1994 04 19.29454	13 03 22.74	−10 00 48.9			691
1989 WC_3	1994 04 19.30274	13 03 22.26	−10 00 45.4			691
1990 OK_3	1992 01 02.36062	08 18 34.52	+18 34 31.5	20.6	V	691
1990 OK_3	1992 01 02.38191	08 18 33.33	+18 34 37.0			691
1990 OK_3	1992 01 02.40307	08 18 32.14	+18 34 41.0			691
1990 OK_3	1992 02 01.10864	07 48 19.02	+20 31 27.3			691
1990 OK_3	1992 02 01.13360	07 48 17.57	+20 31 32.3	19.6	V	691
1990 OK_3	1992 02 01.15499	07 48 16.28	+20 31 37.1			691
1990 UO_1	1997 05 31.24786	15 47 26.77	−12 35 11.6	18.5	V	691
1990 UO_1	1997 05 31.27149	15 47 25.45	−12 35 09.6	18.3	V	691
1990 UO_1	1997 06 07.27388	15 41 22.23	−12 25 13.0	18.6	V	691
1990 UO_1	1997 06 07.29549	15 41 21.14	−12 25 11.3	18.7	V	691
1990 UO_1	1997 06 07.31701	15 41 20.04	−12 25 09.6	18.5	V	691
1990 UO_1	1997 06 11.23955	15 38 13.89	−12 21 30.3	18.5	V	691
1990 UO_1	1997 06 11.26185	15 38 12.85	−12 21 29.1	18.4	V	691
1990 UO_1	1997 06 11.28348	15 38 11.82	−12 21 28.2	18.4	V	691
1990 UA_2	1997 05 29.19464	15 29 14.38	−13 31 26.9	20.0	V	691
1990 UA_2	1997 05 29.21952	15 29 13.00	−13 31 23.7	20.4	V	691
1990 UA_2	1997 05 29.24144	15 29 11.86	−13 31 20.7	20.3	V	691
1990 UA_2	1997 05 30.24564	15 28 18.87	−13 29 10.6	21.0	V	691
1990 UA_2	1997 05 30.26729	15 28 17.69	−13 29 07.7	20.6	V	691
1990 UA_2	1997 05 30.28914	15 28 16.50	−13 29 04.7	20.1	V	691
1990 UG_5	1993 04 24.42213	15 19 43.41	−09 48 01.0	20.6	V	691
1990 UG_5	1993 04 24.44227	15 19 42.50	−09 47 54.4			691
1991 CE_1	1994 10 27.37978	02 19 33.23	+14 04 28.6	16.7	V	691
1991 CE_1	1994 10 27.40210	02 19 32.20	+14 04 21.9			691
1991 CE_1	1994 10 27.42419	02 19 31.20	+14 04 15.0			691
1991 UO_2	1997 06 05.16684	15 41 44.70	−13 49 38.5	17.7	V	691
1991 UO_2	1997 06 05.18900	15 41 43.45	−13 49 37.5	17.9	V	691
1991 UO_2	1997 06 05.21092	15 41 42.16	−13 49 35.7	17.9	V	691
1991 UO_2	1997 06 10.17070	15 37 16.73	−13 43 37.7	17.6	V	691
1991 UO_2	1997 06 10.19235	15 37 15.64	−13 43 37.1	17.8	V	691
1991 UO_2	1997 06 10.21428	15 37 14.41	−13 43 35.2	17.8	V	691
1992 EB_7	1997 06 05.16076	15 32 58.58	−13 42 21.6	17.3	V	691
1992 EB_7	1997 06 05.18293	15 32 57.46	−13 42 22.5	17.3	V	691
1992 EB_7	1997 06 05.20485	15 32 56.36	−13 42 23.0	17.3	V	691
1992 EB_7	1997 06 10.16509	15 29 10.64	−13 46 17.6	17.5	V	691
1992 EB_7	1997 06 10.18674	15 29 09.68	−13 46 18.8	17.3	V	691
1992 EB_7	1997 06 10.20868	15 29 08.71	−13 46 20.5	17.3	V	691
1992 EQ_{14}	1994 10 08.11128	23 11 26.75	−02 10 33.2	17.6	V	691
1992 EQ_{14}	1994 10 08.13593	23 11 25.88	−02 10 39.8			691
1992 EQ_{14}	1994 10 08.15993	23 11 25.02	−02 10 46.9			691
1992 YT_5	* 1992 12 25.49741	08 29 38.68	+15 02 57.2	19.3	V	691
1992 YT_5	1992 12 25.51862	08 29 37.75	+15 02 58.7			691
1992 YT_5	1992 12 25.53974	08 29 36.86	+15 03 01.1			691
1993 FY_{34}	1994 09 11.35754	23 33 35.78	−02 36 17.7			691
1993 FY_{34}	1994 09 11.38139	23 33 34.51	−02 36 30.3	18.3	V	691
1993 NV	1994 10 11.46819	02 11 17.73	+13 57 49.9	17.9	V	691
1993 NV	1994 10 11.47944	02 11 17.20	+13 57 47.2			691
1993 NV	1994 10 11.49084	02 11 16.68	+13 57 44.3			691
1993 OR_8	1995 02 03.10071	03 24 29.91	+15 36 23.3			691
1993 OR_8	1995 02 03.12317	03 24 31.19	+15 36 26.8	18.5	V	691
1993 OR_8	1995 02 03.14557	03 24 32.45	+15 36 34.0			691
1993 PG_9	* 1993 08 15.33747	21 10 06.79	−09 42 58.9	19.1	V	691
1993 PG_9	1993 08 15.34498	21 10 06.48	−09 43 00.9			691
1993 PG_9	1993 08 15.35812	21 10 05.87	−09 43 04.2			691
1993 QD_3	1997 06 13.18032	16 11 47.08	−06 38 28.1	18.2	V	691
1993 QD_3	1997 06 13.20147	16 11 46.16	−06 38 27.8	18.3	V	691
1993 QD_3	1997 06 13.22315	16 11 45.23	−06 38 28.0	18.1	V	691
1994 JS_9	* 1994 05 08.31742	16 01 46.14	−10 01 53.4	18.4	V	691
1994 JS_9	1994 05 08.37707	16 01 42.71	−10 01 43.1			691
1994 JS_9	1994 05 08.44316	16 01 38.93	−10 01 30.8			691
1994 PB_{30}	1991 12 28.16664	04 55 33.18	+17 59 05.3	19.5	V	691
1994 PB_{30}	1991 12 28.18814	04 55 31.99	+17 59 02.1			691
1994 RU	1996 01 12.22727	08 29 11.76	+23 30 11.4			691
1994 RU	1996 01 12.24988	08 29 10.37	+23 30 17.6	19.0	V	691
1994 RU	1996 01 12.27252	08 29 08.96	+23 30 23.3			691
1994 TP	1992 05 07.31404	14 46 48.66	−12 04 28.4			691
1994 TP	1992 05 07.33954	14 46 47.50	−12 04 21.1	18.7	V	691
1994 TP	1992 05 07.36452	14 46 46.38	−12 04 14.1			691
1994 TM_{14}	1997 06 14.30948	21 05 32.55	−07 41 02.0	17.8	V	691
1994 TM_{14}	1997 06 14.35041	21 05 32.36	−07 40 56.2	18.3	V	691

1994 TM_{14}		1997 06 14.37186	21 05 32.17	−07 40 53.9	18.1	V		691
1994 UJ_{11}		1996 02 10.12410	08 39 53.57	+23 36 34.3	17.4	V		691
1994 UJ_{11}		1996 02 10.14664	08 39 52.38	+23 36 39.3				691
1994 UJ_{11}		1996 02 10.16934	08 39 51.11	+23 36 44.2				691
1994 UD_{13}	*	1994 10 29.13564	01 23 30.01	+08 19 30.6				691
1994 UD_{13}		1994 10 29.15723	01 23 29.03	+08 19 23.4	18.2	V		691
1994 UD_{13}		1994 10 29.17890	01 23 28.11	+08 19 16.1				691
1995 TD		1992 11 19.45201	04 55 57.95	+12 47 25.4	18.1	V		691
1995 TD		1992 11 19.47800	04 55 56.30	+12 47 18.4				691
1995 TD		1992 11 19.50446	04 55 54.63	+12 47 10.8				691
1995 XP_4		1997 05 29.20571	15 45 12.52	−13 30 46.7	17.2	V		691
1995 XP_4		1997 05 29.23058	15 45 11.07	−13 30 40.4	17.3	V		691
1995 XP_4		1997 05 29.25250	15 45 09.80	−13 30 34.9	17.4	V		691
1995 XP_4		1997 05 30.25667	15 44 14.36	−13 26 14.0	17.4	V		691
1995 XP_4		1997 05 30.27832	15 44 13.12	−13 26 08.4	17.4	V		691
1995 XP_4		1997 05 30.30017	15 44 11.86	−13 26 02.5	17.4	V		691
1995 XP_4		1997 06 11.17146	15 34 43.41	−12 45 14.6	17.4	V		691
1995 XP_4		1997 06 11.19307	15 34 42.48	−12 45 11.4	17.5	V		691
1995 XP_4		1997 06 11.21450	15 34 41.53	−12 45 08.9	17.2	V		691
1995 YE		1991 11 08.33179	02 52 37.72	+12 06 09.4	16.8	V		691
1995 YE		1991 11 08.35700	02 52 36.28	+12 06 01.5				691
1995 YE		1991 11 08.37360	02 52 35.33	+12 05 56.5				691
1995 YE		1993 04 18.23680	13 07 54.11	−04 37 39.2				691
1995 YE		1993 04 18.26967	13 07 52.34	−04 37 27.7				691
1995 YE		1993 04 18.30135	13 07 50.64	−04 37 17.0	18.8	V		691
1996 AC		1997 05 27.34395	16 24 50.36	−01 54 52.4	18.0	V		691
1996 AC		1997 05 27.36558	16 24 49.28	−01 54 54.3	18.3	V		691
1996 AC		1997 05 27.38653	16 24 48.21	−01 54 55.2	18.6	V		691
1996 DA_3		1993 04 18.22529	12 51 16.71	−04 26 08.7	18.0	V		691
1996 DA_3		1993 04 18.25816	12 51 15.04	−04 25 54.0				691
1996 DA_3		1993 04 18.28984	12 51 13.44	−04 25 39.4				691
1996 HV_{24}		1997 05 30.39353	20 59 10.08	−07 30 18.1	19.1	V		691
1996 HV_{24}		1997 05 30.41505	20 59 10.28	−07 30 13.0	19.1	V		691
1996 HV_{24}		1997 05 30.43621	20 59 10.46	−07 30 08.1	19.1	V		691
1996 HV_{24}		1997 06 06.40498	20 59 49.66	−07 04 46.0	19.2	V	9	691
1996 HV_{24}		1997 06 06.42677	20 59 49.65	−07 04 41.7	19.1	V	9	691
1996 HV_{24}		1997 06 06.44774	20 59 49.65	−07 04 37.1	19.1	V	9	691
1996 JS_1		1996 05 14.29476	15 13 25.61	−01 57 20.9	15.5	V		691
1996 JS_1		1996 05 14.31583	15 13 24.63	−01 57 16.5				691
1996 JS_1		1996 05 14.33674	15 13 23.67	−01 57 12.1				691
1997 ES_2		1991 11 29.35625	03 46 52.41	+15 39 12.8				691
1997 ES_2		1991 11 29.37702	03 46 51.07	+15 39 09.3	18.9	V		691
1997 ES_2		1991 11 29.39776	03 46 49.77	+15 39 06.6				691
1997 EA_{36}		1991 10 05.40636	00 59 41.53	+02 36 30.4	19.3	V		691
1997 EA_{36}		1991 10 05.42755	00 59 40.44	+02 36 23.1				691
1997 EA_{36}		1991 10 05.44843	00 59 39.31	+02 36 15.8				691
1997 EB_{42}		1995 11 17.18607	01 59 53.46	+15 39 37.0	19.5	V		691
1997 EB_{42}		1995 11 17.20768	01 59 52.35	+15 39 30.1				691
1997 EB_{42}		1995 11 17.22936	01 59 51.22	+15 39 23.0				691
1997 EZ_{47}	*	1997 03 02.44308	12 34 39.22	+05 58 16.9	20.0	V		691
1997 EZ_{47}		1997 03 02.46431	12 34 38.32	+05 58 26.7	20.2	V		691
1997 EZ_{47}		1997 03 02.48553	12 34 37.44	+05 58 36.1	19.7	V		691
1997 FZ_1		1991 10 10.39857	01 19 02.08	+08 26 26.3	18.7	V		691
1997 FZ_1		1991 10 10.41963	01 19 00.85	+08 26 19.3				691
1997 FZ_1		1991 10 10.44175	01 18 59.58	+08 26 11.8				691
1997 GB_8		1995 11 27.22598	03 49 19.48	+18 21 24.7	20.0	V		691
1997 GB_8		1995 11 27.24781	03 49 18.09	+18 21 20.6				691
1997 GB_8		1995 11 27.26964	03 49 16.70	+18 21 16.9				691
1997 GE_8		1993 04 17.27956	12 21 30.90	−02 59 08.6				691
1997 GE_8		1993 04 17.29258	12 21 30.32	−02 59 04.7	18.5	V		691
1997 GE_8		1993 04 17.30557	12 21 29.74	−02 59 01.3				691
1997 GX_{18}		1995 11 16.13161	02 04 24.15	+14 39 04.1	18.9	V		691
1997 GX_{18}		1995 11 16.15335	02 04 23.07	+14 38 57.5				691
1997 GX_{18}		1995 11 16.17491	02 04 21.98	+14 38 51.0				691
1997 GT_{32}		1992 04 28.14398	12 30 14.31	−04 11 51.9	18.9	V		691
1997 GT_{32}		1992 04 28.16443	12 30 13.58	−04 11 47.4				691
1997 GT_{32}		1992 04 28.18566	12 30 12.83	−04 11 43.3				691
1997 GT_{36}		1992 04 29.22108	13 57 46.94	−09 53 23.8	18.5	V		691
1997 GT_{36}		1992 04 29.24153	13 57 45.96	−09 53 18.0				691
1997 GT_{36}		1992 04 29.26335	13 57 44.89	−09 53 11.4				691
1997 GT_{36}		1993 06 22.34099	20 09 57.63	−17 20 29.9	19.1	V		691
1997 GT_{36}		1993 06 22.35900	20 09 56.99	−17 20 31.9				691
1997 GT_{36}		1993 06 22.37456	20 09 56.41	−17 20 33.0				691
1997 GT_{36}		1994 10 10.30234	02 10 20.32	+11 13 11.2				691
1997 GT_{36}		1994 10 10.33115	02 10 19.02	+11 13 03.2	17.3	V		691
1997 GT_{36}		1994 10 10.35289	02 10 18.03	+11 12 57.4				691
1997 GT_{36}		1995 11 29.47074	09 29 54.35	+12 42 36.8				691
1997 GT_{36}		1995 11 29.49911	09 29 55.03	+12 42 31.9	20.4	V		691
1997 GT_{36}		1995 11 29.52749	09 29 55.78	+12 42 27.9				691
1997 GT_{36}		1995 12 26.43309	09 33 14.12	+12 18 22.8	19.0	V		691
1997 GT_{36}		1995 12 26.45449	09 33 13.81	+12 18 23.8				691
1997 GT_{36}		1995 12 26.47907	09 33 13.46	+12 18 25.0				691
1997 JU		1997 02 02.52065	13 51 03.69	−10 51 43.0	19.5	V		691
1997 JU		1997 02 02.53215	13 51 04.24	−10 51 42.4	19.5	V		691
1997 JU		1997 02 02.54545	13 51 04.92	−10 51 41.9	19.5	V		691
1997 JV_9		1997 04 09.41619	15 58 58.11	−06 01 57.1	19.9	V		691
1997 JV_9		1997 04 09.43754	15 58 57.66	−06 01 50.0	20.0	V		691
1997 JV_9		1997 04 09.45897	15 58 57.19	−06 01 42.9	20.2	V		691
1997 JE_{10}		1997 06 05.15423	15 22 54.18	−13 38 59.2	17.1	V		691
1997 JE_{10}		1997 06 05.17640	15 22 53.15	−13 39 00.4	16.9	V		691
1997 JE_{10}		1997 06 05.19832	15 22 52.15	−13 39 02.0	16.9	V		691
1997 JJ_{10}		1997 05 27.33226	16 07 57.40	−01 52 01.9	19.1	V		691
1997 JJ_{10}		1997 05 27.35389	16 07 56.73	−01 52 03.0	19.3	V		691
1997 JJ_{10}		1997 05 27.37484	16 07 56.06	−01 52 03.9	19.6	V		691
1997 JJ_{10}		1997 06 02.20391	16 04 54.12	−01 56 27.7	19.0	V		691
1997 JJ_{10}		1997 06 02.22582	16 04 53.42	−01 56 29.3	19.4	V		691
1997 JJ_{10}		1997 06 02.24864	16 04 52.72	−01 56 28.7	19.4	V		691
1997 JY_{10}		1997 05 28.33731	16 11 49.18	−01 13 13.3	20.5	V		691
1997 JY_{10}		1997 05 28.35904	16 11 48.44	−01 13 13.6	20.1	V		691
1997 JY_{10}		1997 05 28.38000	16 11 47.78	−01 13 13.8	20.2	V		691
1997 JC_{11}		1997 05 28.34386	16 21 16.53	−01 08 38.8	20.4	V		691
1997 JC_{11}		1997 05 28.36559	16 21 15.79	−01 08 40.9	20.4	V		691
1997 JC_{11}		1997 05 28.38655	16 21 15.06	−01 08 42.4	20.4	V		691
1997 JC_{11}		1997 06 02.27916	16 18 28.35	−01 16 33.4	20.1	V		691

1997 JC_{11}		1997 06 02.30079	16 18 27.63	−01 16 35.2	19.9	V	691
1997 JC_{11}		1997 06 02.32468	16 18 26.79	−01 16 38.0	20.2	V	691
1997 JC_{11}		1997 06 09.20310	16 14 37.25	−01 30 49.7	20.5	V	691
1997 JC_{11}		1997 06 09.22448	16 14 36.62	−01 30 53.1	20.7	V	691
1997 JC_{11}		1997 06 09.24601	16 14 35.91	−01 30 56.4	20.5	V	691
1997 JD_{16}		1997 05 05.33843	15 34 34.06	−13 50 58.1	17.7	V	691
1997 JD_{16}		1997 05 05.36066	15 34 32.86	−13 50 55.8	18.4	V	691
1997 JD_{16}		1997 05 05.38306	15 34 31.67	−13 50 53.5	17.9	V	691
1997 JX_{16}		1997 05 30.24490	15 27 14.97	−13 18 43.6	17.5	V	691
1997 JX_{16}		1997 05 30.26655	15 27 13.77	−13 18 37.2	17.5	V	691
1997 JX_{16}		1997 05 30.28840	15 27 12.55	−13 18 29.8	17.4	V	691
1997 JJ_{17}		1997 06 05.15481	15 24 23.28	−13 33 39.9	17.2	V	691
1997 JJ_{17}		1997 06 05.17698	15 24 22.05	−13 33 34.4	17.6	V	691
1997 JJ_{17}		1997 06 05.19890	15 24 20.82	−13 33 28.6	17.6	V	691
1997 JJ_{18}		1997 05 31.24483	15 43 03.87	−12 35 05.9	17.3	V	691
1997 JJ_{18}		1997 05 31.26846	15 43 02.46	−12 35 08.2	17.0	V	691
1997 JJ_{18}		1997 05 31.28992	15 43 01.43	−12 35 09.6	16.3	V	691
1997 JJ_{18}		1997 06 07.20581	15 36 58.27	−12 43 23.7	17.1	V	691
1997 JJ_{18}		1997 06 07.22712	15 36 57.20	−12 43 26.4	17.1	V	691
1997 JJ_{18}		1997 06 07.24849	15 36 56.10	−12 43 28.0	17.1	V	691
1997 JJ_{18}		1997 06 11.17083	15 33 48.89	−12 50 01.4	17.4	V	691
1997 JJ_{18}		1997 06 11.19244	15 33 47.85	−12 50 03.8	17.4	V	691
1997 JJ_{18}		1997 06 11.21386	15 33 46.81	−12 50 07.1	17.3	V	691
1997 KE	*	1997 05 29.26853	16 15 27.25	−00 28 10.2	19.5	V	691
1997 KE		1997 05 29.28970	16 15 26.09	−00 28 08.7	19.5	V	691
1997 KE		1997 05 29.31093	16 15 24.89	−00 28 07.1	19.4	V	691
1997 KE		1997 05 30.32015	16 14 30.24	−00 26 56.9	19.2	V	691
1997 KE		1997 05 30.34146	16 14 29.04	−00 26 55.3	19.3	V	691
1997 KE		1997 05 30.36608	16 14 27.67	−00 26 53.8	19.3	V	691
1997 KK	*	1997 05 30.24515	15 27 35.90	−13 03 04.0	18.5	V	691
1997 KK		1997 05 30.26680	15 27 34.94	−13 02 57.5	17.9	V	691
1997 KK		1997 05 30.28865	15 27 33.99	−13 02 51.2	17.9	V	691
1997 KK		1997 05 31.23364	15 26 54.45	−12 58 29.6	18.0	V	691
1997 KK		1997 05 31.25727	15 26 53.40	−12 58 22.7	18.0	V	691
1997 KK		1997 05 31.27874	15 26 52.46	−12 58 16.6	17.9	V	691
1997 KL	*	1997 05 30.39841	21 06 12.66	−07 32 22.1	19.8	V	691
1997 KL		1997 05 30.41994	21 06 13.58	−07 32 13.0	19.7	V	691
1997 KL		1997 05 30.44110	21 06 14.48	−07 32 03.9	19.8	V	691
1997 KL		1997 05 31.38465	21 06 55.80	−07 25 11.1	20.0	V	691
1997 KL		1997 05 31.41267	21 06 56.98	−07 24 59.5	19.6	V	691
1997 KL		1997 05 31.43984	21 06 58.05	−07 24 48.1	19.6	V	691
1997 KM	*	1997 05 30.41530	20 59 31.72	−07 30 50.2	20.6	V	691
1997 KM		1997 05 30.43646	20 59 32.21	−07 30 42.8	20.6	V	691
1997 KM		1997 05 31.37978	20 59 54.12	−07 25 14.9	21.4	V	691
1997 KM		1997 05 31.40780	20 59 54.78	−07 25 05.5	20.9	V	691
1997 KM		1997 05 31.43496	20 59 55.34	−07 24 55.9	20.9	V	691
1997 KQ	*	1997 05 31.37458	20 52 23.31	−07 02 56.6	20.0	V	691
1997 KQ		1997 05 31.40260	20 52 24.00	−07 02 46.0	19.9	V	691
1997 KQ		1997 05 31.42976	20 52 24.61	−07 02 35.9	20.2	V	691
1997 KQ		1997 06 01.38262	20 52 46.11	−06 56 35.7	20.0	V	691
1997 KQ		1997 06 01.40397	20 52 46.70	−06 56 27.6	19.8	V	691
1997 KQ		1997 06 01.42547	20 52 47.01	−06 56 20.2	19.8	V	691
1997 KR	*	1997 05 31.38437	21 06 31.39	−07 00 35.8	20.0	V	691
1997 KR		1997 05 31.41238	21 06 31.89	−07 00 31.8	20.3	V	691
1997 KR		1997 05 31.43954	21 06 32.26	−07 00 27.6	20.3	V	691
1997 KR		1997 06 01.39231	21 06 46.08	−06 57 57.4	20.6	V	691
1997 KR		1997 06 01.41366	21 06 46.42	−06 57 54.0	20.2	V	691
1997 KR		1997 06 01.43517	21 06 46.62	−06 57 51.2	20.3	V	691
1997 KS_1	*	1997 05 27.33848	16 16 56.14	−01 45 57.2	18.6	V	691
1997 KS_1		1997 05 27.36011	16 16 54.99	−01 45 54.5	18.5	V	691
1997 KS_1		1997 05 27.38105	16 16 53.88	−01 45 52.0	18.4	V	691
1997 KS_1		1997 06 02.20840	16 11 58.31	−01 36 44.5	18.6	V	691
1997 KS_1		1997 06 02.23030	16 11 57.18	−01 36 43.6	18.6	V	691
1997 KS_1		1997 06 02.25311	16 11 56.01	−01 36 41.3	18.6	V	691
1997 KT_1	*	1997 05 27.34065	16 20 04.11	−01 52 53.0	20.3	V	691
1997 KT_1		1997 05 27.36228	16 20 03.11	−01 52 50.8	20.1	V	691
1997 KT_1		1997 05 27.38323	16 20 02.14	−01 52 47.9	20.2	V	691
1997 KT_1		1997 06 02.21102	16 15 45.25	−01 44 33.7	20.5	V	691
1997 KT_1		1997 06 02.23292	16 15 44.26	−01 44 32.9	20.1	V	691
1997 KT_1		1997 06 02.25574	16 15 43.20	−01 44 31.3	20.3	V	691
1997 KU_1	*	1997 05 27.34852	16 31 25.87	−01 53 49.5	19.9	V	691
1997 KU_1		1997 05 27.37015	16 31 24.71	−01 53 43.0	19.7	V	691
1997 KU_1		1997 05 27.39109	16 31 23.60	−01 53 37.1	19.7	V	691
1997 KU_1		1997 06 02.21841	16 26 25.50	−01 30 36.0	19.9	V	691
1997 KU_1		1997 06 02.24031	16 26 24.38	−01 30 31.0	19.7	V	691
1997 KU_1		1997 06 02.26312	16 26 23.17	−01 30 27.7	19.7	V	691
1997 KV_1	*	1997 05 28.34001	16 15 43.26	−01 24 57.0	19.8	V	691
1997 KV_1		1997 05 28.38269	16 15 40.88	−01 24 49.3	19.4	V	691
1997 KV_1		1997 06 02.27419	16 11 17.75	−01 11 45.8	19.4	V	691
1997 KV_1		1997 06 02.31970	16 11 15.29	−01 11 39.7	19.6	V	691
1997 KW_1	*	1997 05 28.34244	16 19 13.45	−01 18 07.7	19.8	V	691
1997 KW_1		1997 05 28.36416	16 19 12.40	−01 18 04.0	19.5	V	691
1997 KW_1		1997 05 28.38512	16 19 11.38	−01 18 00.4	19.6	V	691
1997 KW_1		1997 06 02.27701	16 15 21.76	−01 06 16.6	19.3	V	691
1997 KW_1		1997 06 02.29864	16 15 20.73	−01 06 14.2	19.6	V	691
1997 KW_1		1997 06 02.32252	16 15 19.59	−01 06 11.4	19.4	V	691
1997 KW_1		1997 06 09.32981	16 10 02.87	−00 56 49.8	20.2	V	691
1997 KW_1		1997 06 09.35101	16 10 01.91	−00 56 48.7	20.3	V	691
1997 KW_1		1997 06 09.37222	16 10 00.97	−00 56 47.8	20.2	V	691
1997 KX_1	*	1997 05 28.34386	16 21 16.54	−01 27 03.6	19.7	V	691
1997 KX_1		1997 05 28.36558	16 21 15.25	−01 27 06.5	19.5	V	691
1997 KX_1		1997 05 28.38654	16 21 14.02	−01 27 08.7	19.5	V	691
1997 KX_1		1997 06 02.21163	16 16 38.34	−01 39 10.5	19.9	V	691
1997 KX_1		1997 06 02.23353	16 16 37.09	−01 39 14.8	20.0	V	691
1997 KX_1		1997 06 02.25634	16 16 35.73	−01 39 18.4	19.8	V	691
1997 KY_1	*	1997 05 28.34748	16 26 30.69	−01 14 27.2	19.2	V	691
1997 KY_1		1997 05 28.36921	16 26 29.47	−01 14 33.3	19.2	V	691
1997 KY_1		1997 05 28.39017	16 26 28.28	−01 14 39.1	19.3	V	691
1997 KY_1		1997 06 02.21551	16 22 13.86	−01 41 28.9	19.4	V	691
1997 KY_1		1997 06 02.23741	16 22 12.63	−01 41 37.2	19.3	V	691
1997 KY_1		1997 06 02.26022	16 22 11.34	−01 41 46.6	19.3	V	691
1997 KZ_1	*	1997 05 28.34822	16 27 34.54	−01 00 30.4	21.1	V	691
1997 KZ_1		1997 05 28.36995	16 27 33.25	−01 00 31.5	20.8	V	691
1997 KZ_1		1997 05 28.39090	16 27 31.98	−01 00 33.5	21.3	V	691

1997 KZ_1		1997 06 02.28216	16 22 48.57	−01 08 44.9	20.7	V	691
1997 KZ_1		1997 06 02.30379	16 22 47.36	−01 08 46.9	21.4	V	691
1997 KZ_1		1997 06 02.32767	16 22 45.86	−01 08 50.9	21.0	V	691
1997 KA_2	*	1997 05 28.34915	16 28 55.21	−01 22 03.2	20.8	V	691
1997 KA_2		1997 05 28.37088	16 28 54.01	−01 22 05.6	21.0	V	691
1997 KA_2		1997 05 28.39184	16 28 52.89	−01 22 07.7	21.0	V	691
1997 KA_2		1997 06 02.21720	16 24 40.85	−01 31 48.0	21.9	V	691
1997 KA_2		1997 06 02.26192	16 24 38.43	−01 31 53.0	20.3	V	691
1997 KA_2		1997 06 09.20602	16 18 50.30	−01 52 13.3	21.0	V	691
1997 KA_2		1997 06 09.22740	16 18 49.30	−01 52 17.4	21.1	V	691
1997 KA_2		1997 06 09.24893	16 18 48.22	−01 52 21.7	21.2	V	691
1997 KB_2	*	1997 05 28.29986	14 50 07.57	−09 20 37.7	21.0	V	691
1997 KB_2		1997 05 28.30566	14 50 07.33	−09 20 37.0	20.9	V	691
1997 KB_2		1997 05 28.31547	14 50 06.94	−09 20 36.0	21.5	V	691
1997 KB_2		1997 06 03.18533	14 46 52.84	−09 01 54.2	20.2	V	691
1997 KB_2		1997 06 03.20208	14 46 52.25	−09 01 51.7	20.2	V	691
1997 KB_2		1997 06 03.21458	14 46 51.81	−09 01 49.9	20.0	V	691
1997 KC_2	*	1997 05 28.33970	16 15 16.39	−01 04 58.0	19.7	V	691
1997 KC_2		1997 05 28.36143	16 15 15.20	−01 04 54.2	19.4	V	691
1997 KC_2		1997 05 28.38238	16 15 14.06	−01 04 51.0	19.5	V	691
1997 KC_2		1997 06 03.30181	16 10 05.01	−00 51 05.3	20.6	V	691
1997 KC_2		1997 06 03.32289	16 10 03.84	−00 51 02.8	20.7	V	691
1997 KC_2		1997 06 03.37517	16 10 01.12	−00 50 58.1	21.0	V	691
1997 KD_2	*	1997 05 28.34178	16 18 16.56	−01 06 25.3	20.9	V	691
1997 KD_2		1997 05 28.36351	16 18 15.50	−01 06 19.0	20.5	V	691
1997 KD_2		1997 05 28.38447	16 18 14.48	−01 06 12.8	20.5	V	691
1997 KD_2		1997 06 03.30424	16 13 34.74	−00 40 02.5	21.5	V	691
1997 KD_2		1997 06 03.32532	16 13 33.72	−00 39 56.9	21.1	V	691
1997 KD_2		1997 06 03.35585	16 13 32.29	−00 39 50.0	21.6	V	691
1997 KE_2	*	1997 05 29.26686	16 13 02.67	−00 51 14.1	20.1	V	691
1997 KE_2		1997 05 29.30926	16 13 00.47	−00 51 03.7	20.4	V	691
1997 KE_2		1997 06 03.30096	16 08 50.71	−00 33 08.6	21.1	V	691
1997 KE_2		1997 06 03.32204	16 08 49.59	−00 33 05.6	20.5	V	691
1997 KE_2		1997 06 03.35257	16 08 48.09	−00 32 58.5	20.7	V	691
1997 KE_2		1997 06 03.37432	16 08 46.95	−00 32 55.3	21.0	V	691
1997 KF_2	*	1997 05 30.33313	16 33 14.56	−00 25 45.1	19.5	V	691
1997 KF_2		1997 05 30.35444	16 33 13.45	−00 25 48.2	19.5	V	691
1997 KF_2		1997 05 30.37906	16 33 12.15	−00 25 51.5	19.5	V	691
1997 KF_2		1997 06 03.31555	16 29 55.14	−00 36 32.2	20.2	V	691
1997 KF_2		1997 06 03.33663	16 29 54.04	−00 36 36.3	20.1	V	691
1997 KF_2		1997 06 03.38892	16 29 51.36	−00 36 45.9	20.6	V	691
1997 KH_2	*	1997 05 29.19496	15 29 41.57	−13 48 14.0	20.8	V	691
1997 KH_2		1997 05 29.21983	15 29 40.43	−13 48 11.9	20.8	V	691
1997 KH_2		1997 05 29.24176	15 29 39.47	−13 48 09.9	20.4	V	691
1997 KH_2		1997 06 05.15510	15 24 47.78	−13 40 58.0	20.8	V	691
1997 KH_2		1997 06 05.17727	15 24 46.85	−13 40 56.2	20.9	V	691
1997 KH_2		1997 06 05.19919	15 24 45.96	−13 40 55.3	21.1	V	691
1997 KJ_2	*	1997 05 29.19588	15 31 01.02	−13 48 45.8	19.3	V	691
1997 KJ_2		1997 05 29.22075	15 30 59.47	−13 48 44.4	19.1	V	691
1997 KJ_2		1997 05 29.24267	15 30 58.08	−13 48 42.9	19.0	V	691
1997 KJ_2		1997 06 05.15477	15 24 19.04	−13 43 42.1	18.6	V	691
1997 KJ_2		1997 06 05.17693	15 24 17.70	−13 43 40.8	19.3	V	691
1997 KJ_2		1997 06 05.19885	15 24 16.46	−13 43 40.3	19.3	V	691
1997 KK_2	*	1997 05 29.19669	15 32 11.80	−13 55 12.9	19.7	V	691
1997 KK_2		1997 05 29.22157	15 32 10.41	−13 55 08.4	20.2	V	691
1997 KK_2		1997 05 29.24349	15 32 09.20	−13 55 04.8	20.0	V	691
1997 KK_2		1997 06 05.15621	15 26 23.81	−13 40 57.1	20.1	V	691
1997 KK_2		1997 06 05.17837	15 26 22.76	−13 40 54.6	20.4	V	691
1997 KK_2		1997 06 05.20029	15 26 21.69	−13 40 52.5	20.6	V	691
1997 KL_2	*	1997 05 29.19804	15 34 08.59	−13 47 16.0	20.8	V	691
1997 KL_2		1997 05 29.22292	15 34 07.34	−13 47 08.2	20.9	V	691
1997 KL_2		1997 05 29.24484	15 34 06.24	−13 47 00.4	20.9	V	691
1997 KL_2		1997 06 05.22659	15 28 46.55	−13 09 43.7	20.6	V	691
1997 KL_2		1997 06 05.24824	15 28 45.59	−13 09 37.2	21.3	V	691
1997 KL_2		1997 06 05.27104	15 28 44.56	−13 09 30.1	20.9	V	691
1997 KM_2	*	1997 05 29.19950	15 36 15.21	−13 46 46.1	20.1	V	691
1997 KM_2		1997 05 29.22438	15 36 14.08	−13 46 35.6	20.3	V	691
1997 KM_2		1997 05 29.24630	15 36 13.04	−13 46 26.9	20.0	V	691
1997 KM_2		1997 06 05.22838	15 31 21.59	−13 01 14.2	20.8	V	691
1997 KM_2		1997 06 05.25003	15 31 20.69	−13 01 06.4	20.8	V	691
1997 KM_2		1997 06 07.20106	15 30 06.82	−12 49 27.7	21.1	V	691
1997 KM_2		1997 06 07.22238	15 30 05.98	−12 49 20.5	20.8	V	691
1997 KM_2		1997 06 07.24375	15 30 05.10	−12 49 12.4	20.2	V	691
1997 KN_2	*	1997 05 29.19986	15 36 46.04	−13 35 05.9	20.5	V	691
1997 KN_2		1997 05 29.22473	15 36 44.84	−13 35 01.5	20.7	V	691
1997 KN_2		1997 05 29.24666	15 36 43.61	−13 34 58.9	20.5	V	691
1997 KN_2		1997 06 05.22842	15 31 24.95	−13 16 45.3	20.7	V	691
1997 KN_2		1997 06 05.25007	15 31 23.98	−13 16 41.8	20.6	V	691
1997 KN_2		1997 06 05.27287	15 31 23.01	−13 16 38.9	20.9	V	691
1997 KN_2		1997 06 10.23155	15 28 07.90	−13 07 10.5	20.5	V	691
1997 KN_2		1997 06 10.25379	15 28 07.06	−13 07 08.3	20.8	V	691
1997 KN_2		1997 06 10.27605	15 28 06.15	−13 07 06.1	20.4	V	691
1997 KO_2	*	1997 05 29.20152	15 39 10.08	−13 59 24.8	18.4	V	691
1997 KO_2		1997 05 29.22639	15 39 08.52	−13 59 23.9	18.4	V	691
1997 KO_2		1997 05 29.24831	15 39 07.13	−13 59 22.9	18.5	V	691
1997 KO_2		1997 06 05.16034	15 32 21.90	−13 55 48.9	18.3	V	691
1997 KO_2		1997 06 05.18251	15 32 20.63	−13 55 48.7	18.5	V	691
1997 KO_2		1997 06 05.20442	15 32 19.36	−13 55 48.2	18.6	V	691
1997 KP_2	*	1997 05 29.20267	15 40 49.86	−13 38 12.3	17.9	V	691
1997 KP_2		1997 05 29.22755	15 40 48.53	−13 38 08.2	17.9	V	691
1997 KP_2		1997 05 29.24947	15 40 47.36	−13 38 05.1	17.9	V	691
1997 KP_2		1997 06 05.23107	15 35 14.40	−13 21 50.0	18.2	V	691
1997 KP_2		1997 06 05.25272	15 35 13.38	−13 21 47.7	18.2	V	691
1997 KP_2		1997 06 05.27552	15 35 12.33	−13 21 44.6	18.0	V	691
1997 KQ_2	*	1997 05 29.20418	15 43 00.56	−14 00 04.7	20.3	V	691
1997 KQ_2		1997 05 29.22906	15 42 59.22	−14 00 01.9	20.8	V	691
1997 KQ_2		1997 05 29.25098	15 42 58.04	−13 59 59.3	20.7	V	691
1997 KQ_2		1997 06 05.16369	15 37 12.41	−13 46 58.5	20.6	V	691
1997 KQ_2		1997 06 05.18586	15 37 11.32	−13 46 56.8	20.9	V	691
1997 KQ_2		1997 06 05.20778	15 37 10.24	−13 46 54.0	20.7	V	691
1997 KR_2	*	1997 05 29.20506	15 44 16.43	−13 40 53.1	20.7	V	691
1997 KR_2		1997 05 29.22993	15 44 14.96	−13 40 50.6	20.1	V	691
1997 KR_2		1997 05 29.25185	15 44 13.61	−13 40 46.4	20.8	V	691
1997 KR_2		1997 06 05.23287	15 37 50.37	−13 25 29.3	20.8	V	691

1997 KR_2		1997 06 05.25452	15 37 49.22	−13 25 26.7	20.8	V	691
1997 KR_2		1997 06 05.27732	15 37 48.00	−13 25 23.9	21.0	V	691
1997 KS_2	*	1997 05 29.26759	16 14 05.13	−00 29 55.4	18.5	V	691
1997 KS_2		1997 05 29.28876	16 14 04.15	−00 29 53.4	18.4	V	691
1997 KS_2		1997 05 29.30999	16 14 03.04	−00 29 49.8	17.9	V	691
1997 KS_2		1997 06 05.29678	16 08 49.74	−00 21 43.1	18.5	V	691
1997 KS_2		1997 06 05.31787	16 08 48.78	−00 21 42.2	18.6	V	691
1997 KS_2		1997 06 05.33888	16 08 47.83	−00 21 40.9	18.6	V	691
1997 KT_2	*	1997 05 29.27674	16 27 18.13	−00 38 16.4	20.0	V	691
1997 KT_2		1997 05 29.29791	16 27 17.15	−00 38 09.9	20.4	V	691
1997 KT_2		1997 05 29.31914	16 27 16.16	−00 38 03.5	20.0	V	691
1997 KT_2		1997 06 05.30590	16 21 59.66	−00 06 23.7	20.3	V	691
1997 KT_2		1997 06 05.32699	16 21 58.75	−00 06 18.5	20.2	V	691
1997 KT_2		1997 06 05.34800	16 21 57.70	−00 06 13.2	20.0	V	691
1997 KU_2		1997 05 10.41580	16 30 50.48	−00 20 15.3	17.4	V	691
1997 KU_2		1997 05 10.43919	16 30 49.31	−00 20 10.8	17.5	V	691
1997 KU_2		1997 05 10.46200	16 30 48.18	−00 20 07.2	17.6	V	691
1997 KU_2	*	1997 05 30.31925	16 13 11.88	−00 03 24.1	17.4	V	691
1997 KU_2		1997 05 30.34055	16 13 10.74	−00 03 25.4	17.2	V	691
1997 KU_2		1997 05 30.36518	16 13 09.30	−00 03 27.6	17.3	V	691
1997 KU_2		1997 06 05.29623	16 07 55.11	−00 14 22.2	17.4	V	691
1997 KU_2		1997 06 05.31732	16 07 53.99	−00 14 25.5	17.5	V	691
1997 KU_2		1997 06 05.33833	16 07 52.88	−00 14 28.5	17.6	V	691
1997 KV_2	*	1997 05 30.32590	16 22 47.97	−00 01 02.0	19.1	V	691
1997 KV_2		1997 05 30.34720	16 22 46.56	−00 01 05.5	19.0	V	691
1997 KV_2		1997 05 30.37182	16 22 44.94	−00 01 09.0	18.8	V	691
1997 KV_2		1997 06 05.30202	16 16 23.83	−00 20 13.1	19.4	V	691
1997 KV_2		1997 06 05.32310	16 16 22.45	−00 20 17.9	19.2	V	691
1997 KV_2		1997 06 05.34411	16 16 21.09	−00 20 22.3	19.3	V	691
1997 KV_2		1997 06 09.33129	16 12 11.21	−00 36 47.8	19.2	V	691
1997 KV_2		1997 06 09.37369	16 12 08.54	−00 36 58.9	19.3	V	691
1997 KW_2	*	1997 05 30.32948	16 27 58.26	−00 06 58.9	19.3	V	691
1997 KW_2		1997 05 30.35079	16 27 57.07	−00 07 00.7	19.3	V	691
1997 KW_2		1997 05 30.37541	16 27 55.70	−00 07 02.9	19.5	V	691
1997 KW_2		1997 06 05.30634	16 22 37.91	−00 19 39.9	19.6	V	691
1997 KW_2		1997 06 05.32743	16 22 36.77	−00 19 43.1	19.6	V	691
1997 KW_2		1997 06 05.34844	16 22 35.65	−00 19 46.5	19.4	V	691
1997 KX_2	*	1997 05 30.33286	16 32 51.28	−00 01 20.3	19.4	V	691
1997 KX_2		1997 05 30.35417	16 32 50.07	−00 01 21.4	19.4	V	691
1997 KX_2		1997 05 30.37879	16 32 48.68	−00 01 22.8	19.4	V	691
1997 KX_2		1997 06 05.30968	16 27 26.88	−00 11 00.3	19.4	V	691
1997 KX_2		1997 06 05.33076	16 27 25.79	−00 11 03.0	19.5	V	691
1997 KX_2		1997 06 05.35177	16 27 24.63	−00 11 05.8	19.6	V	691
1997 KY_2	*	1997 05 30.38614	20 48 30.12	−07 54 40.0	18.9	V	691
1997 KY_2		1997 05 30.40766	20 48 30.23	−07 54 34.8	19.0	V	691
1997 KY_2		1997 05 30.42882	20 48 30.33	−07 54 30.0	18.8	V	691
1997 KY_2		1997 06 05.40286	20 48 43.42	−07 34 09.9	19.3	V	691
1997 KY_2		1997 06 05.42414	20 48 43.32	−07 34 05.8	19.6	V	691
1997 KY_2		1997 06 05.44925	20 48 43.22	−07 34 00.2	19.1	V	691
1997 KY_2		1997 06 15.36639	20 47 15.13	−07 08 56.9	18.6	V	691
1997 KY_2		1997 06 15.38796	20 47 14.77	−07 08 54.3	18.5	V	691
1997 KY_2		1997 06 15.40935	20 47 14.41	−07 08 51.5	18.6	V	691
1997 KZ_2	*	1997 05 31.24398	15 41 50.17	−12 42 30.4	20.1	V	691
1997 KZ_2		1997 05 31.26761	15 41 48.80	−12 42 37.9	20.2	V	691
1997 KZ_2		1997 05 31.28907	15 41 47.60	−12 42 43.4	20.4	V	691
1997 KZ_2		1997 06 05.23263	15 37 29.93	−13 05 20.8	20.3	V	691
1997 KZ_2		1997 06 05.25428	15 37 28.80	−13 05 27.1	20.6	V	691
1997 KZ_2		1997 06 05.27708	15 37 27.60	−13 05 33.8	20.3	V	691
1997 KA_3	*	1997 05 30.38645	20 48 57.15	−07 33 33.3	20.1	V	691
1997 KA_3		1997 05 30.40798	20 48 57.44	−07 33 26.9	20.4	V	691
1997 KA_3		1997 05 30.42913	20 48 57.70	−07 33 20.8	20.2	V	691
1997 KA_3		1997 05 31.40038	20 49 11.78	−07 28 53.5	20.0	V	691
1997 KA_3		1997 05 31.42754	20 49 12.10	−07 28 46.3	20.4	V	691
1997 KA_3		1997 06 06.39822	20 50 04.37	−07 03 44.3	20.4	V	691
1997 KA_3		1997 06 06.42002	20 50 04.44	−07 03 39.8	20.3	V	691
1997 KA_3		1997 06 06.44098	20 50 04.48	−07 03 34.1	20.4	V	691
1997 KB_3	*	1997 05 30.38689	20 49 35.32	−07 56 09.6	20.4	V	691
1997 KB_3		1997 05 30.40843	20 49 36.19	−07 55 59.8	20.6	V	691
1997 KB_3		1997 05 30.42959	20 49 37.05	−07 55 50.4	20.6	V	691
1997 KB_3		1997 06 06.40088	20 53 54.81	−07 06 47.1	20.5	V	691
1997 KB_3		1997 06 06.42269	20 53 55.51	−07 06 39.5	20.5	V	691
1997 KB_3		1997 06 06.44366	20 53 56.11	−07 06 30.0	20.8	V	691
1997 KB_3		1997 06 09.39960	20 55 21.57	−06 47 09.4	19.5	V	691
1997 KB_3		1997 06 09.41574	20 55 21.86	−06 47 01.6	20.2	V	691
1997 KB_3		1997 06 09.43141	20 55 22.25	−06 46 55.6	20.2	V	691
1997 KC_3	*	1997 05 31.38206	21 03 11.09	−07 19 12.7	20.6	V	691
1997 KC_3		1997 05 31.43725	21 03 13.79	−07 19 06.3	20.5	V	691
1997 KC_3		1997 06 06.41045	21 07 43.60	−07 09 15.3	20.6	V	691
1997 KC_3		1997 06 06.43226	21 07 44.46	−07 09 13.1	20.4	V	691
1997 KC_3		1997 06 06.45323	21 07 45.28	−07 09 11.9	20.3	V	691
1997 KD_3	*	1997 05 30.24942	15 33 46.15	−13 01 42.2	19.8	V	691
1997 KD_3		1997 05 30.27106	15 33 44.79	−13 01 39.5	19.7	V	691
1997 KD_3		1997 05 30.29291	15 33 43.45	−13 01 36.9	19.0	V	691
1997 KD_3		1997 06 07.19849	15 26 24.32	−12 49 16.7	19.2	V	691
1997 KD_3		1997 06 07.21980	15 26 23.15	−12 49 15.7	19.3	V	691
1997 KD_3		1997 06 07.24117	15 26 21.99	−12 49 13.1	19.8	V	691
1997 KE_3	*	1997 05 30.25040	15 35 11.32	−13 07 29.5	20.2	V	691
1997 KE_3		1997 05 30.27205	15 35 10.17	−13 07 21.5	20.0	V	691
1997 KE_3		1997 05 30.29390	15 35 09.07	−13 07 12.6	19.8	V	691
1997 KE_3		1997 06 07.26522	15 28 51.94	−12 22 27.6	20.2	V	691
1997 KE_3		1997 06 07.28683	15 28 50.96	−12 22 21.3	21.0	V	691
1997 KE_3		1997 06 07.30835	15 28 49.98	−12 22 14.4	20.2	V	691
1997 KE_3		1997 06 11.23114	15 26 04.55	−12 02 35.8	19.7	V	691
1997 KE_3		1997 06 11.25343	15 26 03.65	−12 02 30.1	20.1	V	691
1997 KE_3		1997 06 11.27507	15 26 02.74	−12 02 23.4	19.9	V	691
1997 KF_3	*	1997 05 30.25896	15 47 32.63	−13 13 42.1	18.9	V	691
1997 KF_3		1997 05 30.28061	15 47 31.41	−13 13 37.8	18.9	V	691
1997 KF_3		1997 05 30.30246	15 47 30.19	−13 13 33.3	18.7	V	691
1997 KF_3		1997 06 07.20837	15 40 40.13	−12 49 55.0	19.1	V	691
1997 KF_3		1997 06 07.22968	15 40 39.06	−12 49 51.4	19.2	V	691
1997 KF_3		1997 06 07.25105	15 40 37.97	−12 49 48.2	19.2	V	691
1997 KG_3	*	1997 05 31.23939	15 35 12.53	−12 51 56.2	20.2	V	691
1997 KG_3		1997 05 31.26302	15 35 11.26	−12 51 54.7	20.1	V	691
1997 KG_3		1997 05 31.28448	15 35 10.12	−12 51 54.4	20.2	V	691

1997 KG_3		1997 06 07.20073	15 29 37.84	−12 49 54.4	20.5	V	691
1997 KG_3		1997 06 07.22204	15 29 36.81	−12 49 54.8	20.5	V	691
1997 KG_3		1997 06 07.24341	15 29 35.82	−12 49 54.3	20.7	V	691
1997 KH_3	*	1997 05 31.24039	15 36 39.34	−12 37 48.0	19.6	V	691
1997 KH_3		1997 05 31.26402	15 36 38.20	−12 37 39.0	19.4	V	691
1997 KH_3		1997 05 31.28549	15 36 37.16	−12 37 30.7	19.6	V	691
1997 KH_3		1997 06 07.26725	15 31 48.09	−11 56 37.1	19.9	V	691
1997 KH_3		1997 06 07.28887	15 31 47.21	−11 56 30.6	20.6	V	691
1997 KH_3		1997 06 07.31039	15 31 46.37	−11 56 24.0	20.8	V	691
1997 KJ_3	*	1997 05 31.24159	15 38 23.90	−12 53 14.9	19.3	V	691
1997 KJ_3		1997 05 31.26523	15 38 22.85	−12 53 13.3	19.5	V	691
1997 KJ_3		1997 05 31.28670	15 38 21.85	−12 53 11.2	19.5	V	691
1997 KJ_3		1997 06 07.20330	15 33 20.63	−12 43 51.5	19.4	V	691
1997 KJ_3		1997 06 07.22461	15 33 19.73	−12 43 50.4	19.6	V	691
1997 KJ_3		1997 06 07.24598	15 33 18.82	−12 43 48.9	19.5	V	691
1997 KK_3	*	1997 05 31.24189	15 38 49.76	−12 49 59.0	19.5	V	691
1997 KK_3		1997 05 31.26552	15 38 48.12	−12 49 57.6	19.4	V	691
1997 KK_3		1997 06 07.20207	15 31 33.82	−12 42 30.7	19.8	V	691
1997 KK_3		1997 06 07.22337	15 31 32.53	−12 42 30.0	19.6	V	691
1997 KK_3		1997 06 07.24474	15 31 31.21	−12 42 29.0	19.7	V	691
1997 KL_3	*	1997 05 31.24416	15 42 05.83	−12 47 23.9	19.8	V	691
1997 KL_3		1997 05 31.26779	15 42 04.69	−12 47 23.5	19.9	V	691
1997 KL_3		1997 05 31.28926	15 42 03.65	−12 47 23.0	20.1	V	691
1997 KL_3		1997 06 07.20582	15 36 59.20	−12 46 14.3	20.1	V	691
1997 KL_3		1997 06 07.22714	15 36 58.30	−12 46 14.8	19.9	V	691
1997 KL_3		1997 06 07.24851	15 36 57.38	−12 46 14.7	20.0	V	691
1997 KN_3	*	1997 05 31.26401	15 36 37.17	−12 58 54.5	19.3	V	691
1997 KN_3		1997 05 31.28548	15 36 36.18	−12 58 48.6	19.4	V	691
1997 KN_3		1997 06 07.20233	15 31 56.53	−12 32 50.7	20.7	V	691
1997 KN_3		1997 06 07.22364	15 31 55.66	−12 32 46.6	20.5	V	691
1997 KN_3		1997 06 07.24502	15 31 54.88	−12 32 42.6	20.9	V	691
1997 KO_3	*	1997 05 31.30797	15 37 14.78	−11 59 40.5	19.8	V	691
1997 KO_3		1997 05 31.32941	15 37 13.72	−11 59 40.4	20.1	V	691
1997 KO_3		1997 05 31.35075	15 37 12.63	−11 59 40.4	20.0	V	691
1997 KO_3		1997 06 07.26735	15 31 56.64	−12 02 19.6	20.1	V	691
1997 KO_3		1997 06 07.28896	15 31 55.65	−12 02 19.8	20.0	V	691
1997 KO_3		1997 06 07.31049	15 31 54.72	−12 02 21.0	20.0	V	691
1997 KO_3		1997 06 11.23332	15 29 14.13	−12 05 35.3	19.7	V	691
1997 KO_3		1997 06 11.25562	15 29 13.16	−12 05 37.2	20.5	V	691
1997 KO_3		1997 06 11.27725	15 29 12.31	−12 05 37.8	20.2	V	691
1997 KP_3	*	1997 05 31.30812	15 37 28.19	−12 10 18.6	18.7	V	691
1997 KP_3		1997 05 31.32957	15 37 27.06	−12 10 20.1	19.0	V	691
1997 KP_3		1997 05 31.35090	15 37 25.96	−12 10 22.6	18.9	V	691
1997 KP_3		1997 06 07.26758	15 32 16.31	−12 25 46.0	19.5	V	691
1997 KP_3		1997 06 07.28919	15 32 15.37	−12 25 49.6	19.5	V	691
1997 KP_3		1997 06 07.31071	15 32 14.43	−12 25 53.3	18.9	V	691
1997 KQ_3	*	1997 05 31.31502	15 47 25.24	−12 03 13.3	19.3	V	691
1997 KQ_3		1997 05 31.33646	15 47 24.10	−12 03 12.7	19.2	V	691
1997 KQ_3		1997 05 31.35779	15 47 22.91	−12 03 10.0	18.8	V	691
1997 KQ_3		1997 06 07.27413	15 41 44.21	−12 00 35.2	19.4	V	691
1997 KQ_3		1997 06 07.29575	15 41 43.18	−12 00 34.6	19.4	V	691
1997 KQ_3		1997 06 07.31727	15 41 42.14	−12 00 34.7	19.2	V	691
1997 KQ_3		1997 06 11.23996	15 38 48.78	−12 01 10.0	19.3	V	691
1997 KQ_3		1997 06 11.26225	15 38 47.80	−12 01 10.3	19.2	V	691
1997 KQ_3		1997 06 11.28389	15 38 46.85	−12 01 11.3	19.1	V	691
1997 KR_3	*	1997 05 31.31611	15 49 00.03	−12 20 24.6	18.4	V	691
1997 KR_3		1997 05 31.33755	15 48 59.04	−12 20 22.9	18.5	V	691
1997 KR_3		1997 05 31.35889	15 48 58.04	−12 20 21.2	18.1	V	691
1997 KR_3		1997 06 07.27562	15 43 52.85	−12 13 59.2	18.5	V	691
1997 KR_3		1997 06 07.29723	15 43 51.90	−12 13 58.3	18.9	V	691
1997 KR_3		1997 06 07.31875	15 43 50.97	−12 13 57.4	18.2	V	691
1997 KR_3		1997 06 11.24158	15 41 09.61	−12 11 43.0	18.1	V	691
1997 KR_3		1997 06 11.26388	15 41 08.67	−12 11 41.8	18.4	V	691
1997 KR_3		1997 06 11.28551	15 41 07.79	−12 11 41.8	18.2	V	691
1997 KS_3	*	1997 05 27.34039	16 19 42.13	−01 40 54.1	19.8	V	691
1997 KS_3		1997 05 27.36202	16 19 41.11	−01 40 53.8	19.9	V	691
1997 KS_3		1997 05 27.38297	16 19 40.05	−01 40 52.2	19.2	V	691
1997 KS_3		1997 06 09.20021	16 10 26.98	−01 55 21.9	19.9	V	691
1997 KS_3		1997 06 09.22159	16 10 26.03	−01 55 25.5	20.0	V	691
1997 KS_3		1997 06 09.24312	16 10 25.12	−01 55 28.7	20.2	V	691
1997 KT_3	*	1997 05 28.34114	16 17 20.92	−01 01 42.1	19.9	V	691
1997 KT_3		1997 05 28.36287	16 17 19.87	−01 01 40.3	19.6	V	691
1997 KT_3		1997 05 28.38382	16 17 18.86	−01 01 38.6	19.5	V	691
1997 KT_3		1997 06 09.32849	16 08 08.40	−00 55 14.6	19.9	V	691
1997 KT_3		1997 06 09.34968	16 08 07.43	−00 55 14.8	20.0	V	691
1997 KT_3		1997 06 09.37089	16 08 06.47	−00 55 15.0	20.2	V	691
1997 KU_3	*	1997 05 28.35017	16 30 23.88	−01 09 55.8	20.3	V	691
1997 KU_3		1997 05 28.37191	16 30 23.16	−01 09 56.1	20.1	V	691
1997 KU_3		1997 05 28.39287	16 30 22.50	−01 09 55.3	20.7	V	691
1997 KU_3		1997 06 09.27307	16 24 12.33	−01 13 36.6	20.8	V	691
1997 KU_3		1997 06 09.29415	16 24 11.67	−01 13 37.7	20.7	V	691
1997 KU_3		1997 06 09.31507	16 24 11.01	−01 13 38.8	20.6	V	691
1997 KV_3	*	1997 05 29.27715	16 27 53.62	−00 41 24.3	19.5	V	691
1997 KV_3		1997 05 29.29832	16 27 52.34	−00 41 28.2	19.7	V	691
1997 KV_3		1997 05 29.31954	16 27 51.09	−00 41 32.6	19.4	V	691
1997 KV_3		1997 06 09.20520	16 17 38.49	−01 29 51.8	19.6	V	691
1997 KV_3		1997 06 09.22657	16 17 37.34	−01 29 58.6	19.8	V	691
1997 KV_3		1997 06 09.24810	16 17 36.17	−01 30 06.2	19.6	V	691
1997 KW_3	*	1997 05 30.25774	15 45 46.64	−13 07 22.4	20.8	V	691
1997 KW_3		1997 05 30.27938	15 45 45.25	−13 07 20.0	20.4	V	691
1997 KW_3		1997 05 30.30123	15 45 43.83	−13 07 17.2	20.5	V	691
1997 KW_3		1997 06 09.17667	15 36 07.18	−12 54 07.8	20.2	V	691
1997 KW_3		1997 06 09.18238	15 36 06.85	−12 54 07.3	20.6	V	691
1997 KW_3		1997 06 09.19236	15 36 06.26	−12 54 06.9	20.6	V	691
1997 KW_3		1997 06 11.17122	15 34 22.66	−12 52 45.7	20.6	V	691
1997 KW_3		1997 06 11.19283	15 34 21.55	−12 52 45.2	20.8	V	691
1997 KW_3		1997 06 11.21425	15 34 20.42	−12 52 45.1	20.5	V	691
1997 KX_3	*	1997 05 30.39651	21 03 28.26	−07 49 45.3	20.6	V	691
1997 KX_3		1997 05 30.41804	21 03 28.66	−07 49 36.9	20.9	V	691
1997 KX_3		1997 05 30.43919	21 03 29.08	−07 49 28.1	20.9	V	691
1997 KX_3		1997 06 09.40685	21 05 49.47	−06 45 52.6	20.5	V	691
1997 KX_3		1997 06 09.42299	21 05 49.52	−06 45 47.0	20.6	V	691
1997 KX_3		1997 06 09.43865	21 05 49.59	−06 45 41.7	20.5	V	691
1997 KY_3	*	1997 05 31.37931	20 59 13.09	−07 23 55.4	19.5	V	691

1997 KY_3		1997 05 31.40732	20 59 13.34	−07 23 45.8	19.5	V	691
1997 KY_3		1997 05 31.43448	20 59 13.48	−07 23 36.6	19.5	V	691
1997 KY_3		1997 06 09.40236	20 59 20.70	−06 35 34.8	19.4	V	691
1997 KY_3		1997 06 09.41850	20 59 20.59	−06 35 30.2	19.3	V	691
1997 KY_3		1997 06 09.43416	20 59 20.49	−06 35 25.6	19.2	V	691
1997 KZ_3	*	1997 05 29.19711	15 32 48.06	−13 54 32.9	18.6	V	691
1997 KZ_3		1997 05 29.22199	15 32 47.26	−13 54 32.3	18.6	V	691
1997 KZ_3		1997 05 29.24392	15 32 46.58	−13 54 31.1	18.6	V	691
1997 KZ_3		1997 06 10.16363	15 27 04.31	−13 49 46.6	18.7	V	691
1997 KZ_3		1997 06 10.18529	15 27 03.70	−13 49 45.9	18.6	V	691
1997 KZ_3		1997 06 10.20723	15 27 03.12	−13 49 46.1	18.5	V	691
1997 KA_4	*	1997 05 29.20273	15 40 55.00	−13 58 49.4	20.1	V	691
1997 KA_4		1997 05 29.22760	15 40 53.41	−13 58 44.7	20.1	V	691
1997 KA_4		1997 05 29.24952	15 40 52.03	−13 58 41.2	20.3	V	691
1997 KA_4		1997 06 10.16547	15 29 43.46	−13 31 05.4	20.6	V	691
1997 KA_4		1997 06 10.18712	15 29 42.31	−13 31 03.2	20.3	V	691
1997 KA_4		1997 06 10.20905	15 29 41.21	−13 31 01.5	20.6	V	691
1997 KB_4	*	1997 05 30.24894	15 33 04.56	−13 13 46.3	20.6	V	691
1997 KB_4		1997 05 30.27059	15 33 03.39	−13 13 43.6	20.8	V	691
1997 KB_4		1997 05 30.29244	15 33 02.23	−13 13 41.0	20.0	V	691
1997 KB_4		1997 06 10.22945	15 25 06.20	−12 59 59.6	20.4	V	691
1997 KB_4		1997 06 10.25170	15 25 05.33	−12 59 59.1	20.8	V	691
1997 KB_4		1997 06 10.27396	15 25 04.50	−12 59 58.8	20.2	V	691
1997 KC_4	*	1997 05 30.25776	15 45 48.60	−13 02 04.8	20.2	V	691
1997 KC_4		1997 05 30.27941	15 45 47.36	−13 02 07.9	20.4	V	691
1997 KC_4		1997 05 30.30125	15 45 46.06	−13 02 10.2	20.2	V	691
1997 KC_4		1997 06 10.23724	15 36 20.99	−13 29 49.7	20.0	V	691
1997 KC_4		1997 06 10.25948	15 36 19.89	−13 29 54.5	20.2	V	691
1997 KC_4		1997 06 10.28174	15 36 18.80	−13 29 57.9	20.2	V	691
1997 KD_4	*	1997 05 30.25780	15 45 52.15	−13 20 59.1	20.3	V	691
1997 KD_4		1997 05 30.27945	15 45 51.17	−13 20 53.8	20.2	V	691
1997 KD_4		1997 05 30.30130	15 45 50.17	−13 20 47.7	20.2	V	691
1997 KD_4		1997 06 11.17362	15 37 50.27	−12 33 41.9	20.4	V	691
1997 KD_4		1997 06 11.19523	15 37 49.45	−12 33 37.2	20.6	V	691
1997 KD_4		1997 06 11.21666	15 37 48.66	−12 33 33.2	20.3	V	691
1997 KE_4	*	1997 05 30.39136	20 56 02.28	−07 32 56.2	18.9	V	691
1997 KE_4		1997 05 30.41289	20 56 03.22	−07 32 45.5	19.0	V	691
1997 KE_4		1997 05 30.43405	20 56 04.12	−07 32 35.5	19.0	V	691
1997 KE_4		1997 06 11.42187	21 03 12.52	−06 02 37.6	18.6	V	691
1997 KE_4		1997 06 11.44031	21 03 12.94	−06 02 30.2	18.6	V	691
1997 KE_4		1997 06 11.45830	21 03 13.38	−06 02 22.7	18.4	V	691
1997 KF_4	*	1997 05 31.24190	15 38 50.68	−12 33 50.3	19.8	V	691
1997 KF_4		1997 05 31.26554	15 38 49.35	−12 33 45.8	19.8	V	691
1997 KF_4		1997 05 31.28700	15 38 47.99	−12 33 41.9	19.3	V	691
1997 KF_4		1997 06 11.23356	15 29 34.23	−11 58 56.8	19.7	V	691
1997 KF_4		1997 06 11.25585	15 29 33.17	−11 58 53.5	19.8	V	691
1997 KF_4		1997 06 11.27748	15 29 32.18	−11 58 49.7	19.6	V	691
1997 KG_4	*	1997 05 31.31552	15 48 09.27	−12 08 40.2	20.6	V	691
1997 KG_4		1997 05 31.33697	15 48 08.22	−12 08 39.6	20.4	V	691
1997 KG_4		1997 05 31.35830	15 48 07.26	−12 08 38.5	20.5	V	691
1997 KG_4		1997 06 11.24131	15 40 45.84	−12 09 15.3	20.4	V	691
1997 KG_4		1997 06 11.26360	15 40 44.98	−12 09 15.4	20.1	V	691
1997 KG_4		1997 06 11.28524	15 40 44.19	−12 09 16.9	20.5	V	691
1997 KH_4	*	1997 05 31.31599	15 48 49.13	−12 17 44.6	17.0	V	691
1997 KH_4		1997 05 31.33742	15 48 47.81	−12 17 45.6	16.9	V	691
1997 KH_4		1997 06 11.17455	15 39 11.25	−12 32 54.3	17.2	V	691
1997 KH_4		1997 06 11.19616	15 39 10.20	−12 32 57.4	17.2	V	691
1997 KH_4		1997 06 11.21759	15 39 09.17	−12 33 00.0	17.2	V	691
1997 KJ_4	*	1997 05 31.31690	15 50 07.97	−12 09 50.7	20.5	V	691
1997 KJ_4		1997 05 31.33834	15 50 06.85	−12 09 51.0	20.7	V	691
1997 KJ_4		1997 05 31.35967	15 50 05.73	−12 09 51.5	20.8	V	691
1997 KJ_4		1997 06 11.24189	15 41 36.01	−12 17 52.5	20.7	V	691
1997 KJ_4		1997 06 11.26418	15 41 35.01	−12 17 53.9	21.1	V	691
1997 KJ_4		1997 06 11.28582	15 41 34.05	−12 17 55.8	20.6	V	691
1997 KK_4	*	1997 05 31.38018	21 00 28.78	−07 08 20.7	20.5	V	691
1997 KK_4		1997 05 31.40820	21 00 29.09	−07 08 12.0	20.4	V	691
1997 KK_4		1997 05 31.43535	21 00 29.29	−07 08 03.0	20.5	V	691
1997 KK_4		1997 06 11.42024	21 00 51.45	−06 13 04.5	20.2	V	691
1997 KK_4		1997 06 11.43867	21 00 51.31	−06 12 59.4	20.3	V	691
1997 KK_4		1997 06 11.45665	21 00 51.20	−06 12 54.6	19.9	V	691
1997 KL_4	*	1997 05 31.40881	21 01 21.92	−07 08 37.9	19.2	V	691
1997 KL_4		1997 05 31.43597	21 01 22.86	−07 08 26.2	19.3	V	691
1997 KL_4		1997 06 11.42407	21 06 23.29	−05 55 37.8	18.9	V	691
1997 KL_4		1997 06 11.44251	21 06 23.60	−05 55 31.3	18.8	V	691
1997 KL_4		1997 06 11.46050	21 06 23.87	−05 55 24.7	18.8	V	691
1997 LE	*	1997 06 02.34292	15 52 01.06	−06 28 43.4	20.0	V	691
1997 LE		1997 06 02.36433	15 52 00.03	−06 28 41.3	19.9	V	691
1997 LE		1997 06 02.38645	15 51 59.04	−06 28 38.2	20.5	V	691
1997 LE		1997 06 03.22893	15 51 21.27	−06 27 15.3	20.7	V	691
1997 LE		1997 06 03.25021	15 51 20.31	−06 27 12.6	20.1	V	691
1997 LE		1997 06 03.27131	15 51 19.32	−06 27 11.2	20.2	V	691
1997 LF	*	1997 06 01.22238	15 56 42.05	−07 38 01.0	19.3	V	691
1997 LF		1997 06 01.24440	15 56 40.69	−07 37 57.0	19.3	V	691
1997 LF		1997 06 01.26619	15 56 39.30	−07 37 52.8	19.5	V	691
1997 LF		1997 06 04.26409	15 53 41.79	−07 29 50.0	21.9	V	691
1997 LF		1997 06 04.26989	15 53 41.47	−07 29 48.3	20.4	V	691
1997 LF		1997 06 04.27698	15 53 41.04	−07 29 47.4	21.2	V	691
1997 LF		1997 06 08.17967	15 50 01.17	−07 22 05.5	20.3	V	691
1997 LF		1997 06 08.20086	15 49 59.99	−07 22 04.0	20.3	V	691
1997 LF		1997 06 08.22202	15 49 58.77	−07 22 01.5	20.1	V	691
1997 LG	*	1997 06 01.31424	15 56 33.54	−07 14 53.8	20.0	V	691
1997 LG		1997 06 01.33535	15 56 32.21	−07 14 50.4	20.2	V	691
1997 LG		1997 06 01.36105	15 56 30.57	−07 14 47.3	20.4	V	691
1997 LG		1997 06 04.22921	15 53 40.71	−07 09 21.4	20.2	V	691
1997 LG		1997 06 04.23468	15 53 40.38	−07 09 21.2	21.2	V	691
1997 LG		1997 06 04.24725	15 53 39.64	−07 09 20.0	20.5	V	691
1997 LG		1997 06 08.17962	15 49 56.90	−07 04 23.1	20.2	V	691
1997 LG		1997 06 08.20081	15 49 55.73	−07 04 22.6	20.2	V	691
1997 LG		1997 06 08.22198	15 49 54.56	−07 04 20.6	20.5	V	691
1997 LH	*	1997 06 01.31459	15 57 03.43	−07 10 50.2	20.0	V	691
1997 LH		1997 06 01.33569	15 57 02.24	−07 10 54.8	19.9	V	691
1997 LH		1997 06 01.36140	15 57 00.76	−07 10 59.8	19.9	V	691
1997 LH		1997 06 04.22973	15 54 26.25	−07 21 16.6	20.0	V	691
1997 LH		1997 06 04.23521	15 54 25.95	−07 21 18.3	20.8	V	691

1997 LH		1997 06 04.24777	15 54 25.27	−07 21 21.0	20.6	V	691
1997 LJ	*	1997 06 01.31554	15 58 25.96	−07 02 28.5	18.9	V	691
1997 LJ		1997 06 01.33665	15 58 24.68	−07 02 30.2	19.0	V	691
1997 LJ		1997 06 01.36235	15 58 23.12	−07 02 32.2	18.9	V	691
1997 LJ		1997 06 04.23047	15 55 30.02	−07 06 24.8	18.7	V	691
1997 LJ		1997 06 04.23594	15 55 29.74	−07 06 25.9	19.7	V	691
1997 LJ		1997 06 04.24851	15 55 29.09	−07 06 28.7	19.2	V	691
1997 LR	*	1997 06 01.31362	15 55 39.13	−07 13 36.9	18.6	V	691
1997 LR		1997 06 01.33472	15 55 37.67	−07 13 36.5	18.6	V	691
1997 LR		1997 06 01.36042	15 55 35.83	−07 13 36.4	18.6	V	691
1997 LR		1997 06 04.22835	15 52 26.39	−07 13 51.9	18.6	V	691
1997 LR		1997 06 04.23382	15 52 26.03	−07 13 52.0	19.2	V	691
1997 LR		1997 06 04.24639	15 52 25.17	−07 13 52.3	19.0	V	691
1997 LR		1997 06 05.37560	15 51 11.50	−07 14 28.9	19.0	V	691
1997 LR		1997 06 05.38275	15 51 11.01	−07 14 29.4	19.3	V	691
1997 LR		1997 06 05.39009	15 51 10.54	−07 14 29.9	19.3	V	691
1997 LR		1997 06 08.17845	15 48 15.05	−07 17 16.3	18.8	V	691
1997 LR		1997 06 08.19964	15 48 13.69	−07 17 18.1	18.6	V	691
1997 LR		1997 06 08.22080	15 48 12.30	−07 17 19.3	18.8	V	691
1997 LY	*	1997 06 01.21980	15 52 58.41	−07 55 28.9	20.0	V	691
1997 LY		1997 06 01.24182	15 52 57.36	−07 55 24.1	20.5	V	691
1997 LY		1997 06 01.26362	15 52 56.27	−07 55 19.7	20.5	V	691
1997 LY		1997 06 07.32828	15 48 14.85	−07 36 38.1	19.1	V	691
1997 LY		1997 06 07.34984	15 48 13.71	−07 36 35.8	19.9	V	691
1997 LY		1997 06 07.39045	15 48 12.08	−07 36 29.3	20.3	V	691
1997 LZ	*	1997 06 01.22118	15 54 57.79	−07 36 20.7	21.1	V	691
1997 LZ		1997 06 01.24320	15 54 57.06	−07 36 22.5	20.2	V	691
1997 LZ		1997 06 01.26500	15 54 56.30	−07 36 23.9	20.4	V	691
1997 LZ		1997 06 07.33061	15 51 36.04	−07 45 17.5	20.9	V	691
1997 LZ		1997 06 07.35216	15 51 35.34	−07 45 19.4	21.0	V	691
1997 LA_1	*	1997 06 01.22447	15 59 42.61	−07 50 55.2	19.9	V	691
1997 LA_1		1997 06 01.24649	15 59 41.44	−07 50 55.0	20.1	V	691
1997 LA_1		1997 06 01.26828	15 59 40.27	−07 50 54.3	20.1	V	691
1997 LA_1		1997 06 07.33286	15 54 50.96	−07 52 30.2	21.0	V	691
1997 LA_1		1997 06 07.35441	15 54 49.94	−07 52 32.0	20.9	V	691
1997 LA_1		1997 06 07.39503	15 54 48.15	−07 52 34.7	20.5	V	691
1997 LB_1	*	1997 06 01.31717	16 00 47.17	−07 25 52.9	19.4	V	691
1997 LB_1		1997 06 01.33828	16 00 46.13	−07 25 54.7	19.1	V	691
1997 LB_1		1997 06 01.36398	16 00 44.82	−07 25 56.1	19.1	V	691
1997 LB_1		1997 06 07.33364	15 55 58.48	−07 34 28.4	19.5	V	691
1997 LB_1		1997 06 07.35519	15 55 57.48	−07 34 31.2	19.6	V	691
1997 LB_1		1997 06 12.16535	15 52 21.21	−07 43 51.6	19.5	V	691
1997 LB_1		1997 06 12.18674	15 52 20.25	−07 43 54.5	19.6	V	691
1997 LB_1		1997 06 12.20780	15 52 19.31	−07 43 57.3	19.4	V	691
1997 LH_1	*	1997 06 01.22074	15 54 19.45	−07 35 28.0	20.0	V	691
1997 LH_1		1997 06 01.24275	15 54 18.22	−07 35 25.3	20.4	V	691
1997 LH_1		1997 06 01.26455	15 54 17.04	−07 35 22.3	20.3	V	691
1997 LH_1		1997 06 08.17864	15 48 31.61	−07 24 04.8	20.4	V	691
1997 LH_1		1997 06 08.19983	15 48 30.61	−07 24 03.9	20.4	V	691
1997 LH_1		1997 06 08.22099	15 48 29.57	−07 24 01.7	20.5	V	691
1997 LJ_1	*	1997 06 01.22993	16 07 35.52	−07 42 45.2	19.5	V	691
1997 LJ_1		1997 06 01.25195	16 07 34.45	−07 42 39.5	19.4	V	691
1997 LJ_1		1997 06 01.27374	16 07 33.41	−07 42 34.9	19.6	V	691
1997 LJ_1		1997 06 08.18831	16 02 29.76	−07 19 43.2	19.6	V	691
1997 LJ_1		1997 06 08.20951	16 02 28.85	−07 19 39.1	19.3	V	691
1997 LJ_1		1997 06 08.23067	16 02 27.90	−07 19 36.8	19.7	V	691
1997 LK_1	*	1997 06 01.23262	16 11 28.42	−07 33 50.8	19.5	V	691
1997 LK_1		1997 06 01.25463	16 11 27.17	−07 33 48.4	19.6	V	691
1997 LK_1		1997 06 01.27643	16 11 25.93	−07 33 46.0	19.7	V	691
1997 LK_1		1997 06 08.19026	16 05 18.88	−07 25 09.2	19.9	V	691
1997 LK_1		1997 06 08.21146	16 05 17.76	−07 25 07.9	19.7	V	691
1997 LK_1		1997 06 08.23262	16 05 16.63	−07 25 07.0	19.8	V	691
1997 LK_1		1997 06 12.23666	16 01 58.21	−07 23 40.3	19.7	V	691
1997 LK_1		1997 06 12.25795	16 01 57.05	−07 23 42.0	19.4	V	691
1997 LK_1		1997 06 12.27953	16 01 56.09	−07 23 40.2	19.7	V	691
1997 LL_1	*	1997 06 01.31494	15 57 33.79	−07 21 05.1	20.5	V	691
1997 LL_1		1997 06 01.33605	15 57 32.71	−07 20 59.4	20.6	V	691
1997 LL_1		1997 06 01.36175	15 57 31.39	−07 20 52.6	20.4	V	691
1997 LL_1		1997 06 08.24947	15 52 02.54	−06 53 35.1	20.8	V	691
1997 LL_1		1997 06 08.27054	15 52 01.58	−06 53 31.8	21.1	V	691
1997 LL_1		1997 06 08.29586	15 52 00.38	−06 53 26.0	20.7	V	691
1997 LM_1	*	1997 06 01.31846	16 02 38.94	−07 07 34.7	20.6	V	691
1997 LM_1		1997 06 01.33957	16 02 37.74	−07 07 29.3	20.6	V	691
1997 LM_1		1997 06 01.36527	16 02 36.25	−07 07 23.6	20.4	V	691
1997 LM_1		1997 06 08.25264	15 56 37.52	−06 46 17.0	20.3	V	691
1997 LM_1		1997 06 08.27371	15 56 36.40	−06 46 14.4	20.8	V	691
1997 LM_1		1997 06 08.29903	15 56 35.11	−06 46 11.1	20.6	V	691
1997 LN_1	*	1997 06 01.31980	16 04 34.72	−07 30 05.9	20.5	V	691
1997 LN_1		1997 06 01.34091	16 04 33.76	−07 30 04.4	20.5	V	691
1997 LN_1		1997 06 01.36661	16 04 32.58	−07 30 03.2	20.5	V	691
1997 LN_1		1997 06 08.18628	15 59 33.64	−07 26 36.6	20.7	V	691
1997 LN_1		1997 06 08.20748	15 59 32.70	−07 26 36.4	20.7	V	691
1997 LN_1		1997 06 08.22864	15 59 31.79	−07 26 36.0	20.8	V	691
1997 LO_1	*	1997 06 01.32192	16 07 38.03	−07 14 23.7	20.1	V	691
1997 LO_1		1997 06 01.34302	16 07 36.99	−07 14 24.8	20.1	V	691
1997 LO_1		1997 06 01.36873	16 07 35.72	−07 14 25.7	20.1	V	691
1997 LO_1		1997 06 08.18820	16 02 19.73	−07 20 36.2	20.2	V	691
1997 LO_1		1997 06 08.20939	16 02 18.74	−07 20 37.6	20.2	V	691
1997 LO_1		1997 06 08.23056	16 02 17.77	−07 20 40.6	20.0	V	691
1997 LP_1	*	1997 06 01.32602	16 13 33.66	−07 04 52.9	17.5	V	691
1997 LP_1		1997 06 01.34713	16 13 32.45	−07 04 52.9	18.0	V	691
1997 LP_1		1997 06 01.37283	16 13 30.89	−07 04 51.2	18.1	V	691
1997 LP_1		1997 06 08.19153	16 07 08.08	−07 02 45.0	18.4	V	691
1997 LP_1		1997 06 08.21272	16 07 06.90	−07 02 45.6	18.3	V	691
1997 LP_1		1997 06 08.23388	16 07 05.71	−07 02 47.0	18.4	V	691
1997 LP_1		1997 06 12.23784	16 03 39.98	−07 06 23.0	18.1	V	691
1997 LP_1		1997 06 12.25913	16 03 38.88	−07 06 24.7	18.2	V	691
1997 LP_1		1997 06 12.28071	16 03 37.76	−07 06 26.5	18.1	V	691
1997 LQ_1	*	1997 06 01.34479	16 10 10.26	−07 15 33.8	20.3	V	691
1997 LQ_1		1997 06 01.37049	16 10 08.85	−07 15 35.4	20.5	V	691
1997 LQ_1		1997 06 08.18942	16 04 05.75	−07 25 55.5	20.5	V	691
1997 LQ_1		1997 06 08.21061	16 04 04.63	−07 25 58.1	20.0	V	691
1997 LQ_1		1997 06 08.23178	16 04 03.50	−07 26 00.4	20.3	V	691
1997 LQ_1		1997 06 12.17117	16 00 45.93	−07 34 18.4	20.7	V	691

1997 LQ_1		1997 06 12.19256	16 00 44.89	−07 34 21.5	20.6	V	691
1997 LQ_1		1997 06 12.21362	16 00 43.82	−07 34 24.3	20.5	V	691
1997 LR_1	*	1997 06 02.34413	15 53 45.10	−06 50 42.0	20.6	V	691
1997 LR_1		1997 06 02.36553	15 53 44.10	−06 50 41.6	20.6	V	691
1997 LR_1		1997 06 02.38765	15 53 43.05	−06 50 41.0	20.9	V	691
1997 LR_1		1997 06 08.24759	15 49 19.90	−06 51 58.6	20.6	V	691
1997 LR_1		1997 06 08.26866	15 49 18.88	−06 52 00.1	20.3	V	691
1997 LR_1		1997 06 08.29398	15 49 17.80	−06 52 00.4	20.0	V	691
1997 LS_1	*	1997 06 02.34656	15 57 15.76	−06 39 11.8	19.6	V	691
1997 LS_1		1997 06 02.36796	15 57 14.47	−06 39 15.3	19.8	V	691
1997 LS_1		1997 06 02.39007	15 57 13.17	−06 39 17.7	19.8	V	691
1997 LS_1		1997 06 08.24939	15 51 55.66	−06 54 52.8	20.0	V	691
1997 LS_1		1997 06 08.27046	15 51 54.55	−06 54 57.4	19.7	V	691
1997 LS_1		1997 06 08.29578	15 51 53.20	−06 55 02.1	19.9	V	691
1997 LS_1		1997 06 12.22747	15 48 41.73	−07 08 45.7	19.6	V	691
1997 LS_1		1997 06 12.24876	15 48 40.70	−07 08 50.9	19.9	V	691
1997 LS_1		1997 06 12.27034	15 48 39.63	−07 08 55.8	19.9	V	691
1997 LT_1	*	1997 06 02.35089	16 03 31.25	−06 41 08.3	20.5	V	691
1997 LT_1		1997 06 02.37230	16 03 30.16	−06 41 03.0	20.2	V	691
1997 LT_1		1997 06 02.39441	16 03 29.05	−06 40 57.8	21.0	V	691
1997 LT_1		1997 06 08.33984	15 58 44.26	−06 20 37.2	20.3	V	691
1997 LT_1		1997 06 08.36264	15 58 43.17	−06 20 33.4	20.8	V	691
1997 LT_1		1997 06 08.38377	15 58 42.20	−06 20 29.6	20.8	V	691
1997 LU_1	*	1997 06 02.35281	16 06 17.47	−06 48 11.7	17.6	V	691
1997 LU_1		1997 06 02.37422	16 06 16.48	−06 48 06.4	17.6	V	691
1997 LU_1		1997 06 02.39633	16 06 15.49	−06 48 01.0	17.6	V	691
1997 LU_1		1997 06 08.34206	16 01 56.40	−06 26 58.0	17.9	V	691
1997 LU_1		1997 06 08.38600	16 01 54.54	−06 26 49.8	17.8	V	691
1997 LU_1		1997 06 13.23660	15 58 41.46	−06 13 34.1	17.8	V	691
1997 LU_1		1997 06 13.25777	15 58 40.65	−06 13 31.3	17.8	V	691
1997 LU_1		1997 06 13.28097	15 58 39.72	−06 13 28.0	18.0	V	691
1997 LU_1		1997 06 14.21379	15 58 04.95	−06 11 20.8	17.9	V	691
1997 LU_1		1997 06 14.23736	15 58 04.05	−06 11 16.9	17.9	V	691
1997 LU_1		1997 06 14.25982	15 58 03.15	−06 11 14.0	17.8	V	691
1997 LV_1	*	1997 06 03.23713	16 03 11.33	−06 13 22.4	22.4	V	691
1997 LV_1		1997 06 03.25840	16 03 10.26	−06 13 23.9	20.8	V	691
1997 LV_1		1997 06 03.27950	16 03 09.20	−06 13 25.8	21.0	V	691
1997 LV_1		1997 06 08.34011	15 59 08.08	−06 21 58.1	21.0	V	691
1997 LV_1		1997 06 08.36291	15 59 06.93	−06 22 00.5	21.3	V	691
1997 LV_1		1997 06 08.38405	15 59 05.99	−06 22 02.9	21.4	V	691
1997 LW_1	*	1997 06 03.24577	16 15 39.73	−06 07 26.1	19.7	V	691
1997 LW_1		1997 06 03.26704	16 15 38.45	−06 07 32.5	19.6	V	691
1997 LW_1		1997 06 03.28814	16 15 37.17	−06 07 38.5	19.6	V	691
1997 LW_1		1997 06 08.26251	16 10 52.63	−06 32 45.3	19.7	V	691
1997 LW_1		1997 06 08.28359	16 10 51.41	−06 32 51.4	19.8	V	691
1997 LW_1		1997 06 08.30890	16 10 49.95	−06 33 00.2	19.5	V	691
1997 LX_1	*	1997 06 02.20775	16 11 02.02	−01 55 56.9	19.5	V	691
1997 LX_1		1997 06 02.22965	16 11 00.88	−01 55 53.8	19.4	V	691
1997 LX_1		1997 06 02.25246	16 10 59.74	−01 55 50.4	18.9	V	691
1997 LX_1		1997 06 09.19701	16 05 27.73	−01 41 13.3	19.3	V	691
1997 LX_1		1997 06 09.21835	16 05 26.66	−01 41 11.5	19.3	V	691
1997 LX_1		1997 06 09.23989	16 05 25.63	−01 41 09.9	19.4	V	691
1997 LY_1	*	1997 06 02.21041	16 14 52.64	−01 57 07.8	19.5	V	691
1997 LY_1		1997 06 02.23232	16 14 51.59	−01 57 06.5	19.5	V	691
1997 LY_1		1997 06 02.25513	16 14 50.51	−01 57 04.0	19.7	V	691
1997 LY_1		1997 06 09.19967	16 09 40.13	−01 51 41.3	19.9	V	691
1997 LY_1		1997 06 09.22104	16 09 39.13	−01 51 41.3	19.6	V	691
1997 LY_1		1997 06 09.24258	16 09 38.17	−01 51 40.8	19.6	V	691
1997 LZ_1	*	1997 06 02.21658	16 23 46.54	−01 48 04.1	20.5	V	691
1997 LZ_1		1997 06 02.23848	16 23 45.44	−01 47 59.6	20.8	V	691
1997 LZ_1		1997 06 02.26129	16 23 44.27	−01 47 56.4	20.5	V	691
1997 LZ_1		1997 06 09.20564	16 18 16.52	−01 30 50.5	20.8	V	691
1997 LZ_1		1997 06 09.22701	16 18 15.57	−01 30 48.2	20.9	V	691
1997 LZ_1		1997 06 09.24854	16 18 14.56	−01 30 46.0	20.7	V	691
1997 LA_2	*	1997 06 02.21813	16 26 00.91	−01 58 56.8	20.1	V	691
1997 LA_2		1997 06 02.24003	16 25 59.87	−01 58 53.6	19.9	V	691
1997 LA_2		1997 06 02.26284	16 25 58.76	−01 58 51.8	19.9	V	691
1997 LA_2		1997 06 09.20727	16 20 38.57	−01 48 30.1	20.6	V	691
1997 LA_2		1997 06 09.22865	16 20 37.59	−01 48 29.1	20.3	V	691
1997 LA_2		1997 06 09.25018	16 20 36.62	−01 48 27.9	20.5	V	691
1997 LB_2	*	1997 06 02.22004	16 28 46.69	−01 53 50.4	20.0	V	691
1997 LB_2		1997 06 02.24194	16 28 45.69	−01 53 46.6	19.9	V	691
1997 LB_2		1997 06 02.26476	16 28 44.63	−01 53 44.5	19.6	V	691
1997 LB_2		1997 06 09.20937	16 23 40.41	−01 40 54.4	20.4	V	691
1997 LB_2		1997 06 09.23075	16 23 39.48	−01 40 52.3	20.2	V	691
1997 LB_2		1997 06 09.25228	16 23 38.52	−01 40 51.1	20.3	V	691
1997 LC_2	*	1997 06 02.28321	16 24 19.50	−01 07 19.3	20.2	V	691
1997 LC_2		1997 06 02.32873	16 24 17.33	−01 07 16.9	20.2	V	691
1997 LC_2		1997 06 09.26946	16 18 59.58	−01 04 17.4	20.7	V	691
1997 LC_2		1997 06 09.29053	16 18 58.61	−01 04 18.1	20.5	V	691
1997 LC_2		1997 06 09.31146	16 18 57.64	−01 04 18.0	20.5	V	691
1997 LD_2	*	1997 06 03.30519	16 14 57.11	−00 42 35.7	20.6	V	691
1997 LD_2		1997 06 03.32627	16 14 55.99	−00 42 35.2	20.4	V	691
1997 LD_2		1997 06 03.35680	16 14 54.35	−00 42 35.5	20.5	V	691
1997 LD_2		1997 06 09.32974	16 09 57.10	−00 46 18.3	20.1	V	691
1997 LD_2		1997 06 09.35094	16 09 56.06	−00 46 19.6	20.2	V	691
1997 LD_2		1997 06 09.37215	16 09 55.00	−00 46 20.9	20.3	V	691
1997 LE_2	*	1997 06 03.30881	16 20 10.56	−00 46 50.1	18.8	V	691
1997 LE_2		1997 06 03.32988	16 20 09.34	−00 46 50.7	18.9	V	691
1997 LE_2		1997 06 03.38216	16 20 06.28	−00 46 53.2	19.3	V	691
1997 LE_2		1997 06 09.33298	16 14 37.94	−00 55 45.5	18.7	V	691
1997 LE_2		1997 06 09.35418	16 14 36.76	−00 55 48.0	18.8	V	691
1997 LE_2		1997 06 09.37539	16 14 35.64	−00 55 50.8	18.4	V	691
1997 LF_2	*	1997 06 03.33709	16 30 33.84	−00 51 56.4	19.0	V	691
1997 LF_2		1997 06 03.38938	16 30 31.42	−00 51 47.0	19.4	V	691
1997 LF_2		1997 06 09.34091	16 26 04.63	−00 36 47.7	18.8	V	691
1997 LF_2		1997 06 09.36211	16 26 03.68	−00 36 45.6	18.8	V	691
1997 LF_2		1997 06 09.38332	16 26 02.71	−00 36 43.2	18.8	V	691
1997 LG_2		1997 05 05.34949	15 50 31.80	−13 46 16.0	20.5	V	691
1997 LG_2		1997 05 05.37172	15 50 31.13	−13 46 13.9	20.6	V	691
1997 LG_2		1997 05 05.39413	15 50 30.46	−13 46 12.1	20.4	V	691
1997 LG_2	*	1997 06 05.23103	15 35 11.32	−13 10 52.7	20.5	V	691
1997 LG_2		1997 06 05.25269	15 35 10.69	−13 10 51.8	20.7	V	691
1997 LG_2		1997 06 05.27549	15 35 10.06	−13 10 50.3	20.5	V	691

1997 LG_2		1997 06 09.17480	15 33 25.20	−13 08 18.9	20.0	V	691
1997 LG_2		1997 06 09.18051	15 33 25.03	−13 08 18.5	19.7	V	691
1997 LG_2		1997 06 09.19050	15 33 24.73	−13 08 18.8	19.8	V	691
1997 LG_2		1997 06 10.23489	15 32 57.71	−13 07 44.3	20.4	V	691
1997 LG_2		1997 06 10.25714	15 32 57.09	−13 07 43.4	20.1	V	691
1997 LG_2		1997 06 10.27941	15 32 56.53	−13 07 42.6	20.5	V	691
1997 LG_2		1997 06 15.17771	15 30 56.28	−13 05 38.5	20.2	V	691
1997 LG_2		1997 06 15.18168	15 30 56.16	−13 05 38.2	20.1	V	691
1997 LG_2		1997 06 15.18726	15 30 56.02	−13 05 38.1	20.2	V	691
1997 LH_2	*	1997 06 05.23205	15 36 39.70	−13 08 58.9	20.6	V	691
1997 LH_2		1997 06 05.25370	15 36 38.56	−13 08 57.2	20.9	V	691
1997 LH_2		1997 06 05.27650	15 36 37.45	−13 08 58.9	20.7	V	691
1997 LH_2		1997 06 09.17493	15 33 36.45	−13 09 14.7	20.4	V	691
1997 LH_2		1997 06 09.18064	15 33 36.15	−13 09 15.3	20.3	V	691
1997 LH_2		1997 06 09.19062	15 33 35.72	−13 09 15.6	20.2	V	691
1997 LH_2		1997 06 10.23480	15 32 49.72	−13 09 33.6	20.8	V	691
1997 LH_2		1997 06 10.25704	15 32 48.68	−13 09 33.8	20.6	V	691
1997 LH_2		1997 06 10.27930	15 32 47.70	−13 09 34.0	20.7	V	691
1997 LJ_2	*	1997 06 05.23330	15 38 28.25	−13 16 49.2	19.7	V	691
1997 LJ_2		1997 06 05.25495	15 38 27.11	−13 16 48.2	19.6	V	691
1997 LJ_2		1997 06 05.27775	15 38 25.84	−13 16 47.8	19.4	V	691
1997 LJ_2		1997 06 09.17597	15 35 06.79	−13 15 44.8	19.4	V	691
1997 LJ_2		1997 06 09.18168	15 35 06.50	−13 15 44.8	19.5	V	691
1997 LJ_2		1997 06 09.19167	15 35 05.99	−13 15 44.9	19.6	V	691
1997 LJ_2		1997 06 10.23579	15 34 15.24	−13 15 44.6	19.5	V	691
1997 LJ_2		1997 06 10.25803	15 34 14.14	−13 15 44.3	19.6	V	691
1997 LJ_2		1997 06 10.28029	15 34 13.03	−13 15 44.4	19.6	V	691
1997 LK_2	*	1997 06 05.23348	15 38 43.49	−13 06 08.9	21.1	V	691
1997 LK_2		1997 06 05.25513	15 38 42.38	−13 06 06.3	21.2	V	691
1997 LK_2		1997 06 05.27793	15 38 41.26	−13 06 04.0	20.5	V	691
1997 LK_2		1997 06 09.17626	15 35 32.34	−12 59 51.2	20.7	V	691
1997 LK_2		1997 06 09.18197	15 35 32.06	−12 59 50.4	20.8	V	691
1997 LK_2		1997 06 09.19196	15 35 31.56	−12 59 49.6	20.9	V	691
1997 LL_2	*	1997 06 05.23413	15 39 39.92	−13 20 48.2	18.4	V	691
1997 LL_2		1997 06 05.25578	15 39 38.71	−13 20 42.0	18.4	V	691
1997 LL_2		1997 06 05.27858	15 39 37.43	−13 20 35.4	18.4	V	691
1997 LL_2		1997 06 09.17678	15 36 17.37	−13 03 02.8	18.4	V	691
1997 LL_2		1997 06 09.18249	15 36 17.08	−13 03 01.2	18.5	V	691
1997 LL_2		1997 06 09.19248	15 36 16.57	−13 02 59.1	18.5	V	691
1997 LM_2	*	1997 06 05.30329	16 18 13.80	−00 15 40.7	20.0	V	691
1997 LM_2		1997 06 05.32437	16 18 12.54	−00 15 46.5	20.1	V	691
1997 LM_2		1997 06 05.34538	16 18 11.29	−00 15 51.9	20.1	V	691
1997 LM_2		1997 06 09.33280	16 14 22.07	−00 35 02.2	19.9	V	691
1997 LM_2		1997 06 09.35400	16 14 20.83	−00 35 08.6	20.3	V	691
1997 LM_2		1997 06 09.37520	16 14 19.61	−00 35 15.0	20.1	V	691
1997 LN_2	*	1997 06 05.31207	16 30 54.48	−00 25 21.6	19.5	V	691
1997 LN_2		1997 06 05.35417	16 30 52.55	−00 25 22.4	19.6	V	691
1997 LN_2		1997 06 09.34221	16 27 57.07	−00 27 56.2	19.6	V	691
1997 LN_2		1997 06 09.36341	16 27 56.14	−00 27 57.8	19.6	V	691
1997 LN_2		1997 06 09.38462	16 27 55.20	−00 27 59.1	19.6	V	691
1997 LO_2	*	1997 06 06.40967	21 06 36.04	−07 00 37.3	18.9	V	691
1997 LO_2		1997 06 06.43147	21 06 36.08	−07 00 30.3	18.8	V	691
1997 LO_2		1997 06 06.45243	21 06 36.09	−07 00 24.8	19.0	V	691
1997 LO_2		1997 06 09.40742	21 06 38.83	−06 46 47.7	18.9	V	691
1997 LO_2		1997 06 09.42356	21 06 38.78	−06 46 43.6	18.7	V	691
1997 LO_2		1997 06 09.43922	21 06 38.73	−06 46 39.3	18.8	V	691
1997 LV_2	*	1997 06 05.15781	15 28 43.10	−13 50 41.2	19.4	V	691
1997 LV_2		1997 06 05.17998	15 28 42.05	−13 50 35.4	19.5	V	691
1997 LV_2		1997 06 05.20190	15 28 41.03	−13 50 29.6	19.8	V	691
1997 LV_2		1997 06 10.16234	15 25 11.88	−13 30 24.8	19.9	V	691
1997 LV_2		1997 06 10.18398	15 25 10.97	−13 30 19.5	20.1	V	691
1997 LV_2		1997 06 10.20592	15 25 10.11	−13 30 14.5	19.6	V	691
1997 LW_2	*	1997 06 05.15918	15 30 41.14	−13 38 57.4	20.8	V	691
1997 LW_2		1997 06 05.18134	15 30 39.87	−13 39 00.3	20.9	V	691
1997 LW_2		1997 06 05.20326	15 30 38.62	−13 39 02.9	21.2	V	691
1997 LW_2		1997 06 10.16314	15 26 21.37	−13 49 36.0	20.9	V	691
1997 LW_2		1997 06 10.18478	15 26 20.23	−13 49 37.7	20.9	V	691
1997 LW_2		1997 06 10.20672	15 26 19.02	−13 49 41.8	20.7	V	691
1997 LX_2	*	1997 06 05.15941	15 31 01.43	−13 36 20.0	18.7	V	691
1997 LX_2		1997 06 05.18158	15 31 00.32	−13 36 21.6	19.0	V	691
1997 LX_2		1997 06 05.20350	15 30 59.26	−13 36 22.1	19.1	V	691
1997 LX_2		1997 06 10.16394	15 27 30.76	−13 42 35.8	19.1	V	691
1997 LX_2		1997 06 10.18559	15 27 29.86	−13 42 37.7	19.2	V	691
1997 LX_2		1997 06 10.20753	15 27 28.97	−13 42 40.1	19.0	V	691
1997 LY_2	*	1997 06 05.15953	15 31 11.55	−13 40 25.1	19.4	V	691
1997 LY_2		1997 06 05.18170	15 31 10.64	−13 40 20.8	19.6	V	691
1997 LY_2		1997 06 05.20362	15 31 09.72	−13 40 16.7	19.6	V	691
1997 LY_2		1997 06 10.23143	15 27 57.68	−13 25 51.2	19.5	V	691
1997 LY_2		1997 06 10.25368	15 27 56.82	−13 25 47.8	19.6	V	691
1997 LY_2		1997 06 10.27594	15 27 55.99	−13 25 44.1	19.4	V	691
1997 LZ_2	*	1997 06 05.15956	15 31 14.26	−13 51 09.9	20.0	V	691
1997 LZ_2		1997 06 05.18172	15 31 12.92	−13 50 59.9	20.3	V	691
1997 LZ_2		1997 06 05.20364	15 31 11.56	−13 50 50.2	19.8	V	691
1997 LZ_2		1997 06 10.23044	15 26 32.23	−13 13 53.3	20.4	V	691
1997 LZ_2		1997 06 10.25269	15 26 31.07	−13 13 44.6	20.0	V	691
1997 LZ_2		1997 06 10.27494	15 26 29.77	−13 13 35.2	19.9	V	691
1997 LA_3	*	1997 06 05.15974	15 31 29.77	−13 43 17.0	19.0	V	691
1997 LA_3		1997 06 05.18190	15 31 28.53	−13 43 19.9	19.0	V	691
1997 LA_3		1997 06 05.20382	15 31 27.28	−13 43 22.9	18.9	V	691
1997 LA_3		1997 06 10.16365	15 27 05.50	−13 55 11.4	19.0	V	691
1997 LA_3		1997 06 10.18529	15 27 04.38	−13 55 14.2	18.8	V	691
1997 LA_3		1997 06 10.20723	15 27 03.19	−13 55 17.9	18.7	V	691
1997 LB_3	*	1997 06 05.16040	15 32 27.45	−13 54 47.2	19.9	V	691
1997 LB_3		1997 06 05.18257	15 32 26.41	−13 54 44.6	19.9	V	691
1997 LB_3		1997 06 05.20449	15 32 25.39	−13 54 41.7	20.1	V	691
1997 LB_3		1997 06 10.16490	15 28 54.17	−13 45 46.6	20.0	V	691
1997 LB_3		1997 06 10.18655	15 28 53.29	−13 45 43.5	19.8	V	691
1997 LB_3		1997 06 10.20849	15 28 52.38	−13 45 42.3	19.9	V	691
1997 LC_3	*	1997 06 05.16150	15 34 02.76	−13 55 42.3	20.3	V	691
1997 LC_3		1997 06 05.18367	15 34 01.75	−13 55 37.2	20.6	V	691
1997 LC_3		1997 06 05.20559	15 34 00.75	−13 55 32.0	20.7	V	691
1997 LC_3		1997 06 10.16605	15 30 33.75	−13 36 47.6	20.4	V	691
1997 LC_3		1997 06 10.18770	15 30 32.82	−13 36 43.1	20.7	V	691
1997 LC_3		1997 06 10.20964	15 30 31.96	−13 36 39.0	20.3	V	691

1997 LD_3	*	1997 06 05.16237	15 35 17.70	−14 00 09.0	19.4	V	691
1997 LD_3		1997 06 05.18454	15 35 16.78	−14 00 03.0	19.7	V	691
1997 LD_3		1997 06 05.20646	15 35 15.87	−13 59 57.3	19.7	V	691
1997 LD_3		1997 06 10.16716	15 32 09.73	−13 39 14.2	19.6	V	691
1997 LD_3		1997 06 10.18881	15 32 08.91	−13 39 07.6	19.3	V	691
1997 LD_3		1997 06 10.21075	15 32 08.14	−13 39 04.1	19.7	V	691
1997 LE_3	*	1997 06 05.16273	15 35 49.09	−13 50 47.7	19.7	V	691
1997 LE_3		1997 06 05.18490	15 35 48.04	−13 50 40.7	19.9	V	691
1997 LE_3		1997 06 05.20682	15 35 46.98	−13 50 34.3	20.1	V	691
1997 LE_3		1997 06 10.23434	15 32 09.53	−13 26 00.3	19.9	V	691
1997 LE_3		1997 06 10.25658	15 32 08.56	−13 25 54.1	19.7	V	691
1997 LE_3		1997 06 10.27884	15 32 07.64	−13 25 47.6	19.9	V	691
1997 LF_3	*	1997 06 05.16299	15 36 11.70	−13 39 44.4	21.1	V	691
1997 LF_3		1997 06 05.20708	15 36 09.57	−13 39 32.9	21.2	V	691
1997 LF_3		1997 06 10.23474	15 32 44.50	−13 19 51.8	21.3	V	691
1997 LF_3		1997 06 10.25699	15 32 43.64	−13 19 46.2	21.5	V	691
1997 LF_3		1997 06 10.27925	15 32 42.72	−13 19 41.6	21.1	V	691
1997 LG_3	*	1997 06 05.16414	15 37 50.86	−13 59 02.2	18.5	V	691
1997 LG_3		1997 06 05.18631	15 37 49.80	−13 58 59.8	18.7	V	691
1997 LG_3		1997 06 05.20822	15 37 48.78	−13 58 57.4	18.7	V	691
1997 LG_3		1997 06 10.16873	15 34 25.94	−13 51 37.2	18.8	V	691
1997 LG_3		1997 06 10.19038	15 34 25.11	−13 51 35.6	18.7	V	691
1997 LG_3		1997 06 10.21232	15 34 24.22	−13 51 34.9	18.8	V	691
1997 LH_3	*	1997 06 05.16896	15 44 48.39	−13 44 11.7	20.3	V	691
1997 LH_3		1997 06 05.19113	15 44 47.26	−13 44 09.1	20.5	V	691
1997 LH_3		1997 06 05.21304	15 44 46.19	−13 44 07.7	20.3	V	691
1997 LH_3		1997 06 10.17331	15 41 02.16	−13 36 41.9	20.1	V	691
1997 LH_3		1997 06 10.19495	15 41 01.16	−13 36 40.3	19.9	V	691
1997 LH_3		1997 06 10.21689	15 41 00.20	−13 36 38.9	20.2	V	691
1997 LJ_3	*	1997 06 05.16947	15 45 32.49	−14 01 24.0	18.1	V	691
1997 LJ_3		1997 06 05.19163	15 45 31.41	−14 01 21.8	18.1	V	691
1997 LJ_3		1997 06 05.21355	15 45 30.32	−14 01 20.1	18.2	V	691
1997 LJ_3		1997 06 10.17381	15 41 45.40	−13 53 58.1	18.4	V	691
1997 LJ_3		1997 06 10.19545	15 41 44.44	−13 53 56.8	18.4	V	691
1997 LJ_3		1997 06 10.21739	15 41 43.45	−13 53 54.9	18.3	V	691
1997 LK_3	*	1997 06 05.17042	15 46 54.98	−14 00 32.4	18.6	V	691
1997 LK_3		1997 06 05.19259	15 46 53.81	−14 00 27.7	18.7	V	691
1997 LK_3		1997 06 05.21450	15 46 52.65	−14 00 23.3	18.7	V	691
1997 LK_3		1997 06 10.17465	15 42 58.81	−13 44 18.6	18.8	V	691
1997 LK_3		1997 06 10.19630	15 42 57.81	−13 44 15.1	18.8	V	691
1997 LK_3		1997 06 10.21824	15 42 56.78	−13 44 11.0	18.7	V	691
1997 LL_3	*	1997 06 05.17086	15 47 33.43	−13 35 21.0	20.2	V	691
1997 LL_3		1997 06 05.19303	15 47 32.29	−13 35 20.2	20.2	V	691
1997 LL_3		1997 06 05.21495	15 47 31.14	−13 35 18.8	20.2	V	691
1997 LL_3		1997 06 10.17499	15 43 28.28	−13 31 32.9	19.9	V	691
1997 LL_3		1997 06 10.19664	15 43 27.23	−13 31 32.4	20.0	V	691
1997 LL_3		1997 06 10.21858	15 43 26.16	−13 31 31.5	19.8	V	691
1997 LM_3	*	1997 06 05.17253	15 49 57.48	−13 35 26.2	19.8	V	691
1997 LM_3		1997 06 05.19469	15 49 56.32	−13 35 21.9	19.7	V	691
1997 LM_3		1997 06 05.21661	15 49 55.23	−13 35 18.0	19.7	V	691
1997 LM_3		1997 06 10.24408	15 46 13.48	−13 21 15.1	19.7	V	691
1997 LM_3		1997 06 10.26632	15 46 12.50	−13 21 12.1	20.0	V	691
1997 LM_3		1997 06 10.28858	15 46 11.52	−13 21 08.7	19.6	V	691
1997 LN_3	*	1997 06 05.22829	15 31 13.69	−13 01 28.1	19.0	V	691
1997 LN_3		1997 06 05.24993	15 31 12.23	−13 01 36.4	18.7	V	691
1997 LN_3		1997 06 05.27273	15 31 10.73	−13 01 44.7	18.7	V	691
1997 LN_3		1997 06 10.16306	15 26 14.81	−13 34 05.4	18.9	V	691
1997 LN_3		1997 06 10.18471	15 26 13.49	−13 34 14.1	18.7	V	691
1997 LN_3		1997 06 10.20664	15 26 12.17	−13 34 23.4	18.7	V	691
1997 LO_3	*	1997 06 05.23079	15 34 50.12	−13 15 18.9	17.0	V	691
1997 LO_3		1997 06 05.25244	15 34 49.19	−13 15 18.6	17.0	V	691
1997 LO_3		1997 06 05.27524	15 34 48.25	−13 15 17.7	17.0	V	691
1997 LO_3		1997 06 10.23421	15 31 58.78	−13 15 57.8	17.1	V	691
1997 LO_3		1997 06 10.25646	15 31 58.03	−13 15 58.2	17.2	V	691
1997 LO_3		1997 06 10.27872	15 31 57.30	−13 15 58.7	17.1	V	691
1997 LP_3	*	1997 06 05.23385	15 39 15.91	−13 19 03.0	19.2	V	691
1997 LP_3		1997 06 05.25550	15 39 14.79	−13 19 02.7	19.4	V	691
1997 LP_3		1997 06 05.27831	15 39 13.61	−13 19 02.5	19.5	V	691
1997 LP_3		1997 06 10.23647	15 35 14.05	−13 18 39.8	19.6	V	691
1997 LP_3		1997 06 10.25871	15 35 12.95	−13 18 41.0	19.5	V	691
1997 LP_3		1997 06 10.28097	15 35 11.93	−13 18 39.9	19.4	V	691
1997 LQ_3	*	1997 06 05.23885	15 46 28.89	−13 15 19.3	19.0	V	691
1997 LQ_3		1997 06 05.26050	15 46 27.83	−13 15 17.8	18.8	V	691
1997 LQ_3		1997 06 05.28331	15 46 26.69	−13 15 16.9	18.6	V	691
1997 LQ_3		1997 06 10.24160	15 42 39.00	−13 10 46.5	18.7	V	691
1997 LQ_3		1997 06 10.26385	15 42 37.98	−13 10 46.0	18.6	V	691
1997 LQ_3		1997 06 10.28611	15 42 36.99	−13 10 44.9	18.4	V	691
1997 LR_3	*	1997 06 05.26135	15 47 41.52	−13 06 02.4	19.7	V	691
1997 LR_3		1997 06 05.28416	15 47 40.39	−13 06 09.9	19.8	V	691
1997 LR_3		1997 06 10.17549	15 44 11.62	−13 31 19.1	20.1	V	691
1997 LR_3		1997 06 10.19714	15 44 10.74	−13 31 26.6	19.8	V	691
1997 LR_3		1997 06 10.21908	15 44 09.81	−13 31 33.8	19.8	V	691
1997 LS_3	*	1997 06 05.30279	16 17 30.61	−00 14 50.6	20.5	V	691
1997 LS_3		1997 06 05.32388	16 17 29.64	−00 14 49.2	20.4	V	691
1997 LS_3		1997 06 05.34489	16 17 28.67	−00 14 46.8	20.4	V	691
1997 LS_3		1997 06 10.30175	16 13 53.42	−00 09 50.1	20.3	V	691
1997 LS_3		1997 06 10.33670	16 13 51.93	−00 09 48.9	20.1	V	691
1997 LS_3		1997 06 10.35843	16 13 50.98	−00 09 48.5	20.2	V	691
1997 LT_3	*	1997 06 05.30896	16 26 24.96	+00 02 33.2	20.6	V	691
1997 LT_3		1997 06 05.35106	16 26 23.04	+00 02 33.1	20.4	V	691
1997 LT_3		1997 06 10.30798	16 22 53.52	−00 00 41.9	20.8	V	691
1997 LT_3		1997 06 10.34294	16 22 52.02	−00 00 43.9	21.1	V	691
1997 LT_3		1997 06 10.36467	16 22 51.03	−00 00 44.5	19.6	V	691
1997 LU_3	*	1997 06 05.31105	16 29 25.90	−00 14 20.2	18.9	V	691
1997 LU_3		1997 06 05.33214	16 29 24.76	−00 14 21.2	19.1	V	691
1997 LU_3		1997 06 05.35315	16 29 23.65	−00 14 22.2	19.0	V	691
1997 LU_3		1997 06 10.30955	16 25 09.56	−00 20 18.7	19.2	V	691
1997 LU_3		1997 06 10.34451	16 25 07.80	−00 20 20.7	18.7	V	691
1997 LU_3		1997 06 10.36623	16 25 06.71	−00 20 22.9	18.8	V	691
1997 LV_3	*	1997 06 05.31305	16 32 19.38	−00 06 28.4	18.3	V	691
1997 LV_3		1997 06 05.35515	16 32 17.08	−00 06 26.3	18.6	V	691
1997 LV_3		1997 06 10.31161	16 28 07.91	−00 05 09.7	18.4	V	691
1997 LV_3		1997 06 10.34657	16 28 06.16	−00 05 10.3	18.4	V	691
1997 LV_3		1997 06 10.36829	16 28 05.02	−00 05 10.3	18.2	V	691

1997 LW_3	*	1997 06 05.32677	16 21 39.71	−00 25 22.9	20.3	V	691
1997 LW_3		1997 06 05.34778	16 21 38.59	−00 25 19.6	20.4	V	691
1997 LW_3		1997 06 10.30418	16 17 23.77	−00 14 12.1	20.5	V	691
1997 LW_3		1997 06 10.33913	16 17 21.93	−00 14 08.5	20.2	V	691
1997 LW_3		1997 06 10.36086	16 17 20.86	−00 14 05.8	20.7	V	691
1997 LX_3	*	1997 06 09.17503	15 33 45.66	−13 01 36.3	19.8	V	691
1997 LX_3		1997 06 09.18074	15 33 45.45	−13 01 36.1	19.8	V	691
1997 LX_3		1997 06 09.19073	15 33 44.98	−13 01 35.0	20.4	V	691
1997 LX_3		1997 06 10.23491	15 32 59.11	−12 59 45.5	20.1	V	691
1997 LX_3		1997 06 10.25715	15 32 58.09	−12 59 43.2	20.2	V	691
1997 LX_3		1997 06 10.27941	15 32 57.12	−12 59 40.7	20.4	V	691
1997 LY_3	*	1997 06 09.17602	15 35 10.84	−13 09 55.9	20.6	V	691
1997 LY_3		1997 06 09.18173	15 35 10.48	−13 09 57.0	20.7	V	691
1997 LY_3		1997 06 09.19171	15 35 09.88	−13 09 58.5	20.7	V	691
1997 LY_3		1997 06 10.23573	15 34 10.21	−13 12 35.4	20.8	V	691
1997 LY_3		1997 06 10.25797	15 34 08.89	−13 12 38.6	20.6	V	691
1997 LY_3		1997 06 10.28023	15 34 07.65	−13 12 42.0	20.6	V	691
1997 LZ_3	*	1997 06 09.44341	22 33 09.34	−08 21 51.8	19.3	V	691
1997 LZ_3		1997 06 09.45058	22 33 09.70	−08 21 50.0	19.3	V	691
1997 LZ_3		1997 06 09.45765	22 33 10.03	−08 21 47.9	19.2	V	691
1997 LZ_3		1997 06 10.43978	22 33 59.33	−08 17 32.6	19.3	V	691
1997 LZ_3		1997 06 10.44715	22 33 59.65	−08 17 30.9	19.2	V	691
1997 LZ_3		1997 06 10.45539	22 34 00.02	−08 17 28.2	19.3	V	691
1997 LA_4	*	1997 06 09.44411	22 34 50.88	−08 27 32.4	20.8	V	691
1997 LA_4		1997 06 09.45130	22 34 51.12	−08 27 29.9	20.6	V	691
1997 LA_4		1997 06 09.45835	22 34 51.35	−08 27 27.5	20.8	V	691
1997 LA_4		1997 06 10.44041	22 35 25.86	−08 22 18.8	21.5	V	691
1997 LA_4		1997 06 10.44779	22 35 26.07	−08 22 16.2	21.4	V	691
1997 LA_4		1997 06 10.45603	22 35 26.36	−08 22 13.6	21.0	V	691
1997 LB_4	*	1997 06 09.44700	22 39 01.80	−08 34 16.0	19.3	V	691
1997 LB_4		1997 06 09.45420	22 39 02.27	−08 34 12.7	19.1	V	691
1997 LB_4		1997 06 09.46125	22 39 02.74	−08 34 09.6	19.1	V	691
1997 LB_4		1997 06 10.44369	22 40 09.74	−08 26 48.1	19.1	V	691
1997 LB_4		1997 06 10.45107	22 40 10.23	−08 26 44.5	19.3	V	691
1997 LB_4		1997 06 10.45931	22 40 10.77	−08 26 41.0	19.2	V	691
1997 LJ_4	*	1997 06 06.40420	20 58 42.32	−07 07 45.1	20.4	V	691
1997 LJ_4		1997 06 06.42600	20 58 42.77	−07 07 32.1	19.9	V	691
1997 LJ_4		1997 06 06.44697	20 58 43.15	−07 07 21.3	19.9	V	691
1997 LJ_4		1997 06 11.43819	21 00 08.98	−06 21 50.2	19.4	V	691
1997 LJ_4		1997 06 11.45617	21 00 09.16	−06 21 40.8	19.5	V	691
1997 LK_4	*	1997 06 07.19945	15 27 47.05	−12 29 16.7	19.4	V	691
1997 LK_4		1997 06 07.22076	15 27 46.00	−12 29 18.7	19.4	V	691
1997 LK_4		1997 06 07.24213	15 27 44.97	−12 29 20.4	19.4	V	691
1997 LK_4		1997 06 11.16469	15 24 57.13	−12 36 14.4	19.3	V	691
1997 LK_4		1997 06 11.18630	15 24 56.23	−12 36 17.3	19.1	V	691
1997 LK_4		1997 06 11.20773	15 24 55.35	−12 36 20.2	19.3	V	691
1997 LL_4	*	1997 06 07.20226	15 31 50.49	−12 45 01.4	19.3	V	691
1997 LL_4		1997 06 07.22357	15 31 49.27	−12 44 58.1	19.2	V	691
1997 LL_4		1997 06 07.24494	15 31 48.00	−12 44 54.4	19.3	V	691
1997 LL_4		1997 06 11.16704	15 28 20.74	−12 35 53.2	19.3	V	691
1997 LL_4		1997 06 11.18865	15 28 19.61	−12 35 50.6	19.4	V	691
1997 LL_4		1997 06 11.21007	15 28 18.48	−12 35 48.1	19.3	V	691
1997 LM_4	*	1997 06 07.20368	15 33 53.27	−12 37 07.4	20.6	V	691
1997 LM_4		1997 06 07.22499	15 33 52.13	−12 37 07.9	20.6	V	691
1997 LM_4		1997 06 07.24636	15 33 50.97	−12 37 08.1	20.7	V	691
1997 LM_4		1997 06 11.16866	15 30 40.60	−12 38 11.3	20.2	V	691
1997 LM_4		1997 06 11.19026	15 30 39.55	−12 38 11.7	20.4	V	691
1997 LM_4		1997 06 11.21169	15 30 38.57	−12 38 13.1	20.5	V	691
1997 LN_4	*	1997 06 07.20393	15 34 14.98	−12 43 34.9	18.9	V	691
1997 LN_4		1997 06 07.22524	15 34 14.10	−12 43 33.0	19.1	V	691
1997 LN_4		1997 06 07.24661	15 34 13.18	−12 43 30.7	19.0	V	691
1997 LN_4		1997 06 11.16941	15 31 45.88	−12 37 26.2	18.7	V	691
1997 LN_4		1997 06 11.19102	15 31 45.06	−12 37 24.1	19.1	V	691
1997 LN_4		1997 06 11.21245	15 31 44.28	−12 37 23.2	18.8	V	691
1997 LO_4	*	1997 06 07.20457	15 35 11.03	−12 52 35.5	17.3	V	691
1997 LO_4		1997 06 07.22589	15 35 10.33	−12 52 26.0	17.0	V	691
1997 LO_4		1997 06 07.24726	15 35 09.61	−12 52 16.1	17.1	V	691
1997 LO_4		1997 06 11.23623	15 33 26.01	−12 23 16.8	17.1	V	691
1997 LO_4		1997 06 11.25853	15 33 25.43	−12 23 08.2	17.1	V	691
1997 LO_4		1997 06 11.28017	15 33 24.85	−12 22 59.3	17.3	V	691
1997 LP_4	*	1997 06 07.20627	15 37 38.37	−12 33 47.3	20.5	V	691
1997 LP_4		1997 06 07.22758	15 37 37.25	−12 33 43.6	20.8	V	691
1997 LP_4		1997 06 07.24895	15 37 36.03	−12 33 39.7	20.1	V	691
1997 LP_4		1997 06 11.23690	15 34 23.56	−12 25 08.9	20.3	V	691
1997 LP_4		1997 06 11.25919	15 34 22.51	−12 25 06.6	20.4	V	691
1997 LP_4		1997 06 11.28082	15 34 21.48	−12 25 04.2	20.4	V	691
1997 LQ_4	*	1997 06 07.20811	15 40 16.97	−12 32 27.5	20.1	V	691
1997 LQ_4		1997 06 07.22942	15 40 16.12	−12 32 23.0	20.1	V	691
1997 LQ_4		1997 06 07.25079	15 40 15.30	−12 32 17.8	20.3	V	691
1997 LQ_4		1997 06 11.23946	15 38 05.29	−12 19 44.0	20.0	V	691
1997 LQ_4		1997 06 11.26175	15 38 04.56	−12 19 40.0	20.1	V	691
1997 LQ_4		1997 06 11.28339	15 38 03.88	−12 19 36.9	19.9	V	691
1997 LR_4	*	1997 06 07.21448	15 49 29.14	−12 53 07.4	18.9	V	691
1997 LR_4		1997 06 07.25716	15 49 27.13	−12 53 05.4	19.4	V	691
1997 LR_4		1997 06 11.17968	15 46 35.27	−12 50 16.3	19.4	V	691
1997 LR_4		1997 06 11.20129	15 46 34.35	−12 50 15.3	19.5	V	691
1997 LR_4		1997 06 11.22271	15 46 33.38	−12 50 14.7	19.3	V	691
1997 LS_4	*	1997 06 07.26907	15 34 25.91	−12 22 53.2	20.3	V	691
1997 LS_4		1997 06 07.29069	15 34 24.96	−12 22 50.9	20.5	V	691
1997 LS_4		1997 06 07.31221	15 34 24.08	−12 22 49.1	20.1	V	691
1997 LS_4		1997 06 11.23517	15 31 54.33	−12 18 17.0	20.7	V	691
1997 LS_4		1997 06 11.25747	15 31 53.48	−12 18 16.2	20.1	V	691
1997 LS_4		1997 06 11.27911	15 31 52.70	−12 18 14.7	20.0	V	691
1997 LT_4	*	1997 06 07.27549	15 43 41.87	−12 09 03.5	19.8	V	691
1997 LT_4		1997 06 07.29710	15 43 40.80	−12 09 03.3	20.5	V	691
1997 LT_4		1997 06 11.24126	15 40 41.76	−12 08 31.4	20.1	V	691
1997 LT_4		1997 06 11.26355	15 40 40.76	−12 08 31.4	19.8	V	691
1997 LT_4		1997 06 11.28519	15 40 39.78	−12 08 32.0	19.7	V	691
1997 LU_4	*	1997 06 07.27680	15 45 34.95	−12 19 53.4	20.7	V	691
1997 LU_4		1997 06 07.29841	15 45 33.78	−12 19 50.0	20.9	V	691
1997 LU_4		1997 06 07.31993	15 45 32.64	−12 19 46.2	20.4	V	691
1997 LU_4		1997 06 11.24237	15 42 18.16	−12 11 29.4	20.7	V	691
1997 LU_4		1997 06 11.26467	15 42 17.03	−12 11 27.1	20.5	V	691
1997 LU_4		1997 06 11.28630	15 42 15.99	−12 11 24.3	20.4	V	691

1997 LV_4	*	1997 06 10.24051	15 41 04.63	−13 05 56.6	16.5	V	691
1997 LV_4		1997 06 10.26276	15 41 03.84	−13 05 42.5	16.5	V	691
1997 LV_4		1997 06 10.28502	15 41 03.02	−13 05 28.5	16.5	V	691
1997 LV_4		1997 06 11.17552	15 40 34.82	−12 56 14.1	16.5	V	691
1997 LV_4		1997 06 11.19713	15 40 34.08	−12 56 01.1	16.5	V	691
1997 LV_4		1997 06 11.21856	15 40 33.37	−12 55 47.9	16.5	V	691
1997 LB_5	*	1997 06 01.22249	15 56 51.32	−07 50 11.0	20.8	V	691
1997 LB_5		1997 06 01.24451	15 56 50.32	−07 50 05.4	20.7	V	691
1997 LB_5		1997 06 01.26631	15 56 49.31	−07 50 00.1	20.4	V	691
1997 LB_5		1997 06 12.22784	15 49 14.48	−07 12 43.4	21.5	V	691
1997 LB_5		1997 06 12.24914	15 49 13.64	−07 12 40.4	21.2	V	691
1997 LB_5		1997 06 12.27072	15 49 12.81	−07 12 37.0	20.8	V	691
1997 LC_5	*	1997 06 01.22694	16 03 16.29	−07 58 31.7	19.3	V	691
1997 LC_5		1997 06 01.24895	16 03 15.25	−07 58 27.4	19.6	V	691
1997 LC_5		1997 06 01.27075	16 03 14.20	−07 58 22.9	19.6	V	691
1997 LC_5		1997 06 12.23207	15 55 20.90	−07 27 41.9	19.7	V	691
1997 LC_5		1997 06 12.25337	15 55 20.04	−07 27 39.5	19.7	V	691
1997 LC_5		1997 06 12.27495	15 55 19.16	−07 27 36.8	19.3	V	691
1997 LD_5	*	1997 06 01.23319	16 12 18.10	−07 44 42.1	19.8	V	691
1997 LD_5		1997 06 01.25521	16 12 17.03	−07 44 41.4	20.0	V	691
1997 LD_5		1997 06 01.27700	16 12 15.98	−07 44 41.1	20.1	V	691
1997 LD_5		1997 06 12.17350	16 04 07.56	−07 50 00.8	20.3	V	691
1997 LD_5		1997 06 12.19489	16 04 06.63	−07 50 02.1	20.3	V	691
1997 LD_5		1997 06 12.21595	16 04 05.67	−07 50 03.1	20.1	V	691
1997 LE_5	*	1997 06 01.24524	15 57 53.74	−07 49 28.4	20.4	V	691
1997 LE_5		1997 06 01.26704	15 57 52.64	−07 49 22.4	20.6	V	691
1997 LE_5		1997 06 12.22831	15 49 54.58	−07 10 30.0	20.9	V	691
1997 LE_5		1997 06 12.24960	15 49 53.74	−07 10 26.5	21.2	V	691
1997 LE_5		1997 06 12.27118	15 49 52.85	−07 10 22.9	21.1	V	691
1997 LF_5	*	1997 06 01.32472	16 11 40.52	−06 59 52.4	20.4	V	691
1997 LF_5		1997 06 01.34582	16 11 39.47	−06 59 52.0	20.2	V	691
1997 LF_5		1997 06 01.37153	16 11 38.23	−06 59 51.1	20.3	V	691
1997 LF_5		1997 06 12.23767	16 03 25.68	−07 00 35.5	20.4	V	691
1997 LF_5		1997 06 12.25897	16 03 24.76	−07 00 35.6	20.4	V	691
1997 LF_5		1997 06 12.28055	16 03 23.82	−07 00 37.0	20.6	V	691
1997 LG_5	*	1997 06 01.32575	16 13 10.14	−07 17 25.9	20.1	V	691
1997 LG_5		1997 06 01.37256	16 13 07.85	−07 17 31.1	19.7	V	691
1997 LG_5		1997 06 12.17406	16 04 56.00	−07 45 51.3	20.3	V	691
1997 LG_5		1997 06 12.19545	16 04 55.16	−07 45 55.6	20.1	V	691
1997 LG_5		1997 06 12.21651	16 04 54.18	−07 46 00.3	20.5	V	691
1997 LH_5	*	1997 06 02.34368	15 53 06.47	−06 57 59.2	20.2	V	691
1997 LH_5		1997 06 02.36509	15 53 05.79	−06 57 59.2	20.2	V	691
1997 LH_5		1997 06 02.38721	15 53 05.12	−06 57 58.1	20.5	V	691
1997 LH_5		1997 06 12.22720	15 48 19.10	−06 58 48.5	20.1	V	691
1997 LH_5		1997 06 12.24850	15 48 18.51	−06 58 49.2	20.5	V	691
1997 LH_5		1997 06 12.27009	15 48 17.88	−06 58 49.9	20.1	V	691
1997 LJ_5	*	1997 06 07.33118	15 52 26.09	−07 53 28.0	20.6	V	691
1997 LJ_5		1997 06 07.35273	15 52 24.85	−07 53 24.7	20.3	V	691
1997 LJ_5		1997 06 12.16247	15 48 12.03	−07 44 41.4	20.3	V	691
1997 LJ_5		1997 06 12.18386	15 48 10.90	−07 44 39.5	20.3	V	691
1997 LJ_5		1997 06 12.20492	15 48 09.80	−07 44 38.1	20.6	V	691
1997 LK_5	*	1997 06 08.18114	15 52 08.63	−07 17 18.3	19.4	V	691
1997 LK_5		1997 06 08.20234	15 52 07.47	−07 17 22.1	19.1	V	691
1997 LK_5		1997 06 08.22350	15 52 06.33	−07 17 25.8	19.2	V	691
1997 LK_5		1997 06 12.16294	15 48 52.71	−07 30 50.4	19.3	V	691
1997 LK_5		1997 06 12.18433	15 48 51.64	−07 30 54.9	18.9	V	691
1997 LK_5		1997 06 12.20539	15 48 50.64	−07 30 59.9	19.1	V	691
1997 LL_5	*	1997 06 08.19052	16 05 40.82	−07 01 22.3	20.9	V	691
1997 LL_5		1997 06 08.21171	16 05 39.85	−07 01 23.1	20.7	V	691
1997 LL_5		1997 06 08.23288	16 05 38.86	−07 01 24.8	20.7	V	691
1997 LL_5		1997 06 12.23716	16 02 41.69	−07 05 30.4	20.5	V	691
1997 LL_5		1997 06 12.25846	16 02 40.75	−07 05 32.1	21.0	V	691
1997 LL_5		1997 06 12.28004	16 02 39.80	−07 05 33.6	20.9	V	691
1997 LM_5	*	1997 06 08.19550	16 12 51.95	−07 00 20.9	20.5	V	691
1997 LM_5		1997 06 08.21669	16 12 50.91	−07 00 21.7	20.7	V	691
1997 LM_5		1997 06 08.23785	16 12 49.88	−07 00 22.7	20.8	V	691
1997 LM_5		1997 06 12.24208	16 09 47.23	−07 04 12.4	20.6	V	691
1997 LM_5		1997 06 12.26337	16 09 46.25	−07 04 13.7	21.0	V	691
1997 LM_5		1997 06 12.28495	16 09 45.24	−07 04 14.9	20.7	V	691
1997 LN_5	*	1997 06 08.26133	16 09 10.49	−06 47 27.5	19.3	V	691
1997 LN_5		1997 06 08.28241	16 09 09.24	−06 47 36.1	18.8	V	691
1997 LN_5		1997 06 08.30772	16 09 07.70	−06 47 47.8	18.9	V	691
1997 LN_5		1997 06 12.23907	16 05 26.91	−07 18 06.6	18.8	V	691
1997 LN_5		1997 06 12.26036	16 05 25.73	−07 18 16.9	18.8	V	691
1997 LN_5		1997 06 12.28194	16 05 24.48	−07 18 27.4	18.8	V	691
1997 LO_5	*	1997 06 01.31796	16 01 55.30	−07 09 32.3	20.8	V	691
1997 LO_5		1997 06 01.33907	16 01 54.66	−07 09 30.0	20.8	V	691
1997 LO_5		1997 06 01.36478	16 01 53.86	−07 09 27.3	20.6	V	691
1997 LO_5		1997 06 13.16961	15 56 19.37	−06 52 35.5	20.8	V	691
1997 LO_5		1997 06 13.19077	15 56 18.77	−06 52 33.9	20.7	V	691
1997 LO_5		1997 06 13.21244	15 56 18.13	−06 52 32.8	20.4	V	691
1997 LP_5	*	1997 06 08.26407	16 13 08.05	−06 31 13.3	19.7	V	691
1997 LP_5		1997 06 08.28515	16 13 07.04	−06 31 14.9	19.5	V	691
1997 LP_5		1997 06 08.31047	16 13 05.86	−06 31 17.4	19.5	V	691
1997 LP_5		1997 06 13.17874	16 09 30.10	−06 40 27.8	19.9	V	691
1997 LP_5		1997 06 13.19989	16 09 29.17	−06 40 31.2	19.9	V	691
1997 LP_5		1997 06 13.22156	16 09 28.23	−06 40 33.7	19.9	V	691
1997 LQ_5	*	1997 06 08.26424	16 13 22.77	−06 29 18.7	18.9	V	691
1997 LQ_5		1997 06 08.28532	16 13 21.80	−06 29 17.8	18.6	V	691
1997 LQ_5		1997 06 08.31064	16 13 20.64	−06 29 18.4	18.9	V	691
1997 LQ_5		1997 06 13.17900	16 09 52.11	−06 31 07.6	19.1	V	691
1997 LQ_5		1997 06 13.20015	16 09 51.20	−06 31 09.1	18.9	V	691
1997 LQ_5		1997 06 13.22182	16 09 50.29	−06 31 10.1	19.0	V	691
1997 LR_5	*	1997 06 08.33938	15 58 04.35	−06 04 49.5	19.7	V	691
1997 LR_5		1997 06 08.36218	15 58 03.14	−06 04 52.9	19.8	V	691
1997 LR_5		1997 06 08.38331	15 58 02.06	−06 04 56.2	19.8	V	691
1997 LR_5		1997 06 13.23342	15 54 06.62	−06 19 00.5	19.6	V	691
1997 LR_5		1997 06 13.25459	15 54 05.56	−06 19 04.5	19.8	V	691
1997 LR_5		1997 06 13.27779	15 54 04.44	−06 19 08.9	19.9	V	691
1997 LS_5	*	1997 06 08.34070	15 59 58.46	−06 24 21.3	21.1	V	691
1997 LS_5		1997 06 08.36350	15 59 57.11	−06 24 30.1	21.4	V	691
1997 LS_5		1997 06 08.38463	15 59 55.84	−06 24 38.0	21.0	V	691
1997 LS_5		1997 06 13.16905	15 55 30.71	−06 56 11.6	20.2	V	691
1997 LS_5		1997 06 13.19020	15 55 29.50	−06 56 20.5	20.9	V	691

1997 LS_5		1997 06 13.21187	15 55 28.34	−06 56 29.0	20.6	V	691
1997 LT_5	*	1997 06 12.24268	16 10 39.32	−07 00 38.7	19.0	V	691
1997 LT_5		1997 06 12.26397	16 10 38.23	−07 00 34.6	19.4	V	691
1997 LT_5		1997 06 12.28555	16 10 37.14	−07 00 31.2	19.5	V	691
1997 LT_5		1997 06 13.17901	16 09 53.23	−06 58 23.1	19.6	V	691
1997 LT_5		1997 06 13.20016	16 09 52.17	−06 58 21.5	19.7	V	691
1997 LT_5		1997 06 13.22183	16 09 51.11	−06 58 18.8	19.4	V	691
1997 LU_5	*	1997 06 12.24359	16 11 58.45	−07 05 50.0	20.2	V	691
1997 LU_5		1997 06 12.26489	16 11 57.44	−07 05 37.4	20.3	V	691
1997 LU_5		1997 06 12.28646	16 11 56.40	−07 05 24.0	20.2	V	691
1997 LU_5		1997 06 13.17998	16 11 16.93	−06 56 37.3	20.2	V	691
1997 LU_5		1997 06 13.20112	16 11 15.94	−06 56 25.6	20.6	V	691
1997 LU_5		1997 06 13.22280	16 11 14.96	−06 56 13.5	20.2	V	691
1997 LY_5	*	1997 06 01.32310	16 09 20.78	−07 19 17.2	19.2	V	691
1997 LY_5		1997 06 01.34421	16 09 19.79	−07 19 07.2	19.1	V	691
1997 LY_5		1997 06 01.36991	16 09 18.56	−07 18 54.4	18.9	V	691
1997 LY_5		1997 06 14.21604	16 01 19.38	−06 01 41.4	19.3	V	691
1997 LY_5		1997 06 14.23961	16 01 18.64	−06 01 34.7	19.2	V	691
1997 LY_5		1997 06 14.26206	16 01 17.92	−06 01 29.8	19.5	V	691
1997 LZ_5	*	1997 06 08.26238	16 10 40.94	−06 37 12.2	19.2	V	691
1997 LZ_5		1997 06 08.28345	16 10 39.92	−06 37 05.9	19.2	V	691
1997 LZ_5		1997 06 08.30877	16 10 38.65	−06 36 58.5	19.8	V	691
1997 LZ_5		1997 06 14.21957	16 06 25.17	−06 10 55.3	20.0	V	691
1997 LZ_5		1997 06 14.24314	16 06 24.17	−06 10 49.9	20.0	V	691
1997 LZ_5		1997 06 14.26559	16 06 23.11	−06 10 44.9	19.4	V	691
1997 LA_6	*	1997 06 13.23807	16 00 48.73	−06 00 49.2	19.2	V	691
1997 LA_6		1997 06 13.25924	16 00 47.73	−06 00 52.9	19.1	V	691
1997 LA_6		1997 06 13.28244	16 00 46.58	−06 00 56.6	19.4	V	691
1997 LA_6		1997 06 14.21515	16 00 03.06	−06 03 36.9	19.2	V	691
1997 LA_6		1997 06 14.23872	16 00 01.94	−06 03 40.9	19.0	V	691
1997 LA_6		1997 06 14.26117	16 00 00.86	−06 03 44.5	19.4	V	691
1997 LB_6	*	1997 06 13.24834	16 15 38.44	−05 57 19.0	18.6	V	691
1997 LB_6		1997 06 13.26951	16 15 37.48	−05 57 21.3	18.8	V	691
1997 LB_6		1997 06 13.29271	16 15 36.43	−05 57 21.8	18.9	V	691
1997 LB_6		1997 06 14.22546	16 14 55.84	−05 58 08.4	18.9	V	691
1997 LB_6		1997 06 14.24903	16 14 54.80	−05 58 10.3	18.8	V	691
1997 LB_6		1997 06 14.27148	16 14 53.78	−05 58 11.1	18.7	V	691
1997 LH_6	*	1997 06 05.41671	21 08 43.02	−07 51 24.5	19.4	V	691
1997 LH_6		1997 06 05.43799	21 08 43.20	−07 51 19.1	20.5	V	691
1997 LH_6		1997 06 05.46310	21 08 43.36	−07 51 11.7	19.9	V	691
1997 LH_6		1997 06 15.38117	21 09 03.16	−07 07 03.6	19.0	V	691
1997 LH_6		1997 06 15.40273	21 09 03.03	−07 06 58.4	18.9	V	691
1997 LH_6		1997 06 15.42413	21 09 02.90	−07 06 53.4	19.0	V	691
1997 LJ_6	*	1997 06 10.44103	22 36 19.08	−08 35 32.7	21.3	V	691
1997 LJ_6		1997 06 10.44840	22 36 19.36	−08 35 30.4	20.9	V	691
1997 LJ_6		1997 06 10.45664	22 36 19.70	−08 35 28.5	21.0	V	691
1997 LJ_6		1997 06 15.43568	22 39 38.09	−08 15 58.5	21.4	V	691
1997 LJ_6		1997 06 15.44771	22 39 38.39	−08 15 57.1	22.2	V	691
1997 LJ_6		1997 06 15.45582	22 39 38.83	−08 15 54.1	21.2	V	691
1997 LK_6	*	1997 06 10.44225	22 38 05.36	−08 40 14.8	20.3	V	691
1997 LK_6		1997 06 10.44963	22 38 05.59	−08 40 13.8	20.4	V	691
1997 LK_6		1997 06 10.45787	22 38 05.88	−08 40 12.0	20.3	V	691
1997 LK_6		1997 06 15.43652	22 40 50.42	−08 28 09.8	20.5	V	691
1997 LK_6		1997 06 15.44854	22 40 50.76	−08 28 08.7	20.6	V	691
1997 LK_6		1997 06 15.45666	22 40 50.99	−08 28 07.7	20.6	V	691
2600 P-L		1992 01 09.17549	07 33 38.99	+19 40 57.8	19.7	V	691
4624 P-L		1997 05 29.20082	15 38 09.60	−13 40 50.4	19.4	V	691
4624 P-L		1997 05 29.22570	15 38 08.49	−13 40 46.7	19.6	V	691
4624 P-L		1997 05 29.24762	15 38 07.51	−13 40 43.9	19.9	V	691
4624 P-L		1997 06 05.22968	15 33 13.86	−13 27 16.4	20.0	V	691
4624 P-L		1997 06 05.25133	15 33 12.94	−13 27 14.3	19.8	V	691
4624 P-L		1997 06 05.27413	15 33 12.02	−13 27 11.8	19.9	V	691
4624 P-L		1997 06 10.23286	15 30 01.77	−13 19 26.2	19.8	V	691
4624 P-L		1997 06 10.25511	15 30 00.97	−13 19 24.1	19.9	V	691
4624 P-L		1997 06 10.27737	15 30 00.13	−13 19 22.3	19.8	V	691
6583 P-L		1997 05 30.26066	15 49 59.47	−13 26 03.6	18.0	V	691
6583 P-L		1997 05 30.28230	15 49 58.15	−13 25 59.4	18.0	V	691
6583 P-L		1997 05 30.30415	15 49 56.81	−13 25 55.3	18.0	V	691
4178 T-1		1991 11 05.24636	02 49 05.25	+14 48 42.3	19.8	V	691
4178 T-1		1991 11 05.27060	02 49 03.76	+14 48 38.4			691
4178 T-1		1991 11 05.29140	02 49 02.40	+14 48 34.0			691
2240 T-2		1995 11 24.38609	02 53 15.06	+23 53 13.3			691
2240 T-2		1995 11 24.40843	02 53 13.62	+23 53 09.3	17.4	V	691
2240 T-2		1995 11 24.43081	02 53 12.19	+23 53 05.4			691
3268 T-3		1997 06 10.24421	15 46 24.43	−12 59 18.8	18.9	V	691
3268 T-3		1997 06 10.26645	15 46 23.38	−12 59 14.4	19.4	V	691
3268 T-3		1997 06 10.28871	15 46 22.27	−12 59 09.2	19.8	V	691
3268 T-3		1997 06 11.17907	15 45 42.40	−12 56 11.6	19.6	V	691
3268 T-3		1997 06 11.20067	15 45 41.37	−12 56 07.4	18.9	V	691
3268 T-3		1997 06 11.22210	15 45 40.41	−12 56 03.5	18.8	V	691
3424 T-3		1994 10 06.29740	00 34 58.39	+01 16 08.7	18.0	V	691
3424 T-3		1994 10 06.32080	00 34 57.20	+01 16 00.4			691
3424 T-3		1994 10 06.34417	00 34 56.02	+01 15 51.4			691
4046 T-3		1997 06 07.27231	15 39 05.83	−11 57 20.0	17.0	V	691
4046 T-3		1997 06 07.29392	15 39 04.71	−11 57 21.7	17.4	V	691
4046 T-3		1997 06 07.31544	15 39 03.60	−11 57 23.6	17.0	V	691
4046 T-3		1997 06 11.23806	15 36 04.45	−12 04 16.6	17.1	V	691
4046 T-3		1997 06 11.26035	15 36 03.44	−12 04 19.3	16.9	V	691
4046 T-3		1997 06 11.28199	15 36 02.44	−12 04 22.3	16.9	V	691
(1108)		1997 06 12.22734	15 48 30.66	−07 18 22.0	14.3	V	691
(1108)		1997 06 12.24863	15 48 29.62	−07 17 59.8	14.3	V	691
(1108)		1997 06 12.27021	15 48 28.54	−07 17 37.1	14.4	V	691
(1201)		1997 05 31.41145	21 05 10.83	−07 23 30.7	16.0	V	691
(1201)		1997 05 31.43861	21 05 11.30	−07 23 23.6	16.0	V	691
(1201)		1997 06 06.40967	21 06 36.63	−06 58 32.2	16.2	V	691
(1201)		1997 06 06.43147	21 06 36.83	−06 58 26.5	16.2	V	691
(1201)		1997 06 06.45244	21 06 37.01	−06 58 21.6	16.3	V	691
(2550)		1997 06 02.35615	16 11 07.11	−06 38 09.2	17.0	V	691
(2550)		1997 06 02.37756	16 11 06.14	−06 38 07.6	16.9	V	691
(2550)		1997 06 02.39968	16 11 05.16	−06 38 05.5	17.1	V	691
(2550)		1997 06 13.19582	16 03 36.58	−06 27 36.8	17.3	V	691
(2550)		1997 06 13.21749	16 03 35.71	−06 27 36.3	17.2	V	691
(2887)		1997 05 31.31396	15 45 53.41	−12 15 24.7	14.7	V	691
(2887)		1997 05 31.33540	15 45 52.16	−12 15 24.4	14.7	V	691

(2887)	1997 05 31.35673	15 45 50.94	−12 15 24.4	14.7 V	691
(2887)	1997 06 07.27290	15 39 57.10	−12 18 23.3	14.8 V	691
(2887)	1997 06 07.29451	15 39 56.03	−12 18 24.4	15.1 V	691
(2887)	1997 06 07.31603	15 39 54.93	−12 18 25.8	14.8 V	691
(2887)	1997 06 11.23874	15 37 03.46	−12 23 27.8	15.3 V	691
(2887)	1997 06 11.26103	15 37 02.49	−12 23 29.6	15.4 V	691
(2887)	1997 06 11.28267	15 37 01.54	−12 23 32.3	15.3 V	691
(3331)	1997 06 05.16524	15 39 25.97	−13 48 02.2	17.1 V	691
(3331)	1997 06 05.18740	15 39 24.83	−13 47 59.3	17.2 V	691
(3331)	1997 06 05.20932	15 39 23.67	−13 47 56.2	17.2 V	691
(4144)	1997 05 31.38590	21 08 43.72	−07 12 02.7	17.4 V	691
(4144)	1997 05 31.41391	21 08 44.12	−07 11 59.0	17.2 V	691
(4455)	1997 05 31.38331	21 04 59.56	−06 58 13.2	17.6 V	691
(4455)	1997 05 31.41132	21 04 59.84	−06 58 05.6	17.7 V	691
(4455)	1997 05 31.43848	21 05 00.02	−06 57 58.1	17.2 V	691
(4556)	1997 06 10.17737	15 46 54.06	−13 46 57.2	16.5 V	691
(4556)	1997 06 10.19901	15 46 52.86	−13 46 57.2	16.5 V	691
(4556)	1997 06 10.22095	15 46 51.67	−13 46 57.3	16.4 V	691
(5016)	1997 06 05.17166	15 48 42.72	−13 49 39.2	16.0 V	691
(5016)	1997 06 05.19383	15 48 41.52	−13 49 35.1	16.2 V	691
(5016)	1997 06 05.21575	15 48 40.35	−13 49 31.0	16.0 V	691
(5016)	1997 06 10.17585	15 44 42.35	−13 35 01.4	16.2 V	691
(5016)	1997 06 10.19749	15 44 41.33	−13 34 58.7	16.1 V	691
(5016)	1997 06 10.21943	15 44 40.31	−13 34 55.1	16.0 V	691
(5053)	1997 06 14.30440	20 58 12.47	−07 55 01.6	17.8 V	691
(5053)	1997 06 14.34533	20 58 11.97	−07 55 04.1	17.6 V	691
(5053)	1997 06 14.36678	20 58 11.82	−07 55 05.2	17.8 V	691
(5367)	1997 06 15.36684	20 48 21.61	−07 01 50.1	17.4 V	691
(5367)	1997 06 15.38840	20 48 21.30	−07 01 44.6	17.4 V	691
(5734)	1997 05 31.31570	15 48 24.82	−12 26 00.3	17.4 V	691
(5734)	1997 05 31.33714	15 48 23.48	−12 26 00.8	17.4 V	691
(5734)	1997 05 31.35847	15 48 22.16	−12 26 00.4	17.5 V	691
(5734)	1997 06 11.17417	15 38 37.93	−12 35 28.6	17.7 V	691
(5734)	1997 06 11.19577	15 38 36.86	−12 35 31.0	17.7 V	691
(5734)	1997 06 11.21720	15 38 35.78	−12 35 32.6	17.7 V	691
(6374)	1997 05 30.40189	21 11 14.14	−07 40 02.5	17.4 V	691
(6374)	1997 05 30.42341	21 11 14.47	−07 40 00.4	17.4 V	691
(6374)	1997 05 30.44457	21 11 14.83	−07 39 58.0	17.4 V	691
(6997)	1997 06 09.21066	16 25 31.72	−01 58 04.1	17.2 V	691
(6997)	1997 06 09.25357	16 25 30.39	−01 57 59.3	17.2 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]
L. Macri, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [lmacri@cfa.harvard.edu]

Observers C. W. Hergenrother, L. Macri
Measurers C. W. Hergenrother, T. B. Spahr, G. V. Williams
1.2-m $f/8$ reflector + CCD
USNO-A1.0

1981 EC_{13}	1997 05 29.40316	19 25 34.71	−27 25 03.1		696
1981 EC_{13}	1997 05 29.40525	19 25 34.68	−27 25 03.4		696
1981 EC_{13}	1997 05 29.41053	19 25 34.56	−27 25 03.8		696
1988 RT_{12}	1997 05 14.32346	14 48 16.37	−12 19 05.9	19.1 R	696
1988 RT_{12}	1997 05 14.32553	14 48 16.30	−12 19 05.6		696
1988 RT_{12}	1997 05 14.32803	14 48 16.24	−12 19 05.2	19.2 R	696
1988 RT_{12}	1997 05 30.18970	14 41 08.20	−11 40 37.4		696
1988 RT_{12}	1997 05 30.21385	14 41 07.62	−11 40 34.4		696
1990 MF	1997 05 31.45800	22 56 23.77	−02 21 00.4		696
1990 MF	1997 05 31.45981	22 56 24.42	−02 20 56.1		696
1990 MF	1997 05 31.46174	22 56 25.10	−02 20 51.5	19.4 R	696
1990 MF	1997 06 01.43587	23 02 20.86	−01 42 22.4		696
1990 MF	1997 06 01.43716	23 02 21.31	−01 42 19.1		696
1990 MF	1997 06 01.43845	23 02 21.78	−01 42 16.3		696
1990 MF	1997 06 11.42435	00 02 04.79	+04 45 10.0		696
1990 MF	1997 06 11.42512	00 02 05.06	+04 45 11.5		696
1990 MF	1997 06 11.42613	00 02 05.44	+04 45 13.8		696
1990 TX_8	1997 05 30.22788	12 23 07.52	−02 38 56.8		696
1990 TX_8	1997 05 31.27622	12 23 06.52	−02 39 28.6		696
1991 PO_{13}	1997 05 29.19799	11 28 29.96	+00 20 23.1		696
1991 PO_{13}	1997 05 29.20017	11 28 30.00	+00 20 22.7		696
1991 PO_{13}	1997 05 29.20225	11 28 30.06	+00 20 22.2		696
1991 PO_{13}	1997 06 01.25918	11 29 56.49	+00 10 01.1		696
1991 PO_{13}	1997 06 01.26098	11 29 56.54	+00 10 00.7		696
1991 PO_{13}	1997 06 01.26278	11 29 56.59	+00 10 00.4		696
1991 RW	1997 05 29.19082	11 12 42.38	+15 09 47.9		696
1991 RW	1997 05 29.19318	11 12 42.47	+15 09 47.6		696
1991 RW	1997 05 29.19562	11 12 42.57	+15 09 47.4		696
1993 HM_1	1997 05 15.13560	11 07 49.96	+22 55 55.6		w 696
1993 HM_1	1997 05 15.13799	11 07 50.06	+22 55 55.0		w 696
1993 HM_1	1997 05 15.14196	11 07 50.19	+22 55 53.4		w 696
1993 HM_1	1997 05 30.13964	11 20 05.27	+21 04 27.4		696
1993 HM_1	1997 05 30.14392	11 20 05.51	+21 04 25.2		696
1993 HM_1	1997 05 30.14645	11 20 05.65	+21 04 24.0		696
1993 MC	1997 05 29.39671	18 18 06.55	−06 55 06.6		696
1993 MC	1997 05 29.39898	18 18 06.48	−06 55 05.0		696
1993 MC	1997 05 29.40156	18 18 06.40	−06 55 03.2		696
1993 MC	1997 05 30.37140	18 17 37.97	−06 43 40.3		696
1993 MC	1997 05 30.37250	18 17 37.94	−06 43 39.7		696
1993 MC	1997 05 30.37347	18 17 37.91	−06 43 39.0		696
1994 CY	1997 05 29.30442	14 14 54.82	−24 38 01.1		696
1994 CY	1997 05 29.30642	14 14 54.74	−24 38 00.7		696
1994 CY	1997 05 29.30848	14 14 54.68	−24 37 59.5		696
1994 CY	1997 05 30.23568	14 14 24.08	−24 32 20.8		696
1994 CY	1997 05 30.23801	14 14 24.02	−24 32 20.2		696
1994 CY	1997 05 30.24006	14 14 23.88	−24 32 19.5		696
1994 JD	1997 05 30.37580	19 21 24.25	−17 58 06.7		696
1994 JD	1997 05 30.37729	19 21 24.20	−17 58 07.9		696
1994 JD	1997 05 30.37876	19 21 24.16	−17 58 09.0		696
1994 JS	1997 05 31.26456	15 56 03.32	−21 47 23.0	23.1 R	696
1994 JS	1997 05 31.32733	15 56 03.00	−21 47 21.3		696
1994 JQ_1	1997 05 31.24160	14 00 26.30	−12 48 45.4	23.5 R	696
1994 JQ_1	1997 05 31.30419	14 00 26.04	−12 48 43.7		696
1994 JQ_1	1997 06 01.31049	14 00 22.71	−12 48 25.4		696
1994 JR_1	1997 05 30.34590	16 32 51.43	−18 05 42.6	22.6 R	696

1994 JR_1	1997 05 30.39380	16 32 51.08	−18 05 42.7		696
1994 JR_1	1997 05 30.41681	16 32 50.95	−18 05 41.9		696
1994 PL	1997 05 29.34156	16 11 51.65	−01 45 53.8		696
1994 PL	1997 05 29.34413	16 11 51.37	−01 45 52.0		696
1994 PL	1997 05 29.34615	16 11 51.27	−01 45 50.1		696
1994 PL	1997 05 30.36840	16 10 49.13	−01 28 23.7		696
1994 PL	1997 05 30.36962	16 10 49.06	−01 28 22.4		696
1994 PL	1997 05 30.37079	16 10 48.98	−01 28 21.2		696
1995 SL	1997 05 29.13902	10 23 53.93	+05 25 03.5		696
1995 SL	1997 05 29.14132	10 23 54.05	+05 25 02.8		696
1995 SL	1997 05 29.14337	10 23 54.15	+05 25 02.4		696
1995 SL	1997 05 30.14832	10 24 47.06	+05 20 15.7		696
1995 SL	1997 05 30.15089	10 24 47.19	+05 20 14.9		696
1995 SL	1997 05 30.15316	10 24 47.31	+05 20 14.2		696
1995 SS	1997 05 29.33620	15 26 05.70	−02 28 39.9		696
1995 SS	1997 05 29.33839	15 26 05.58	−02 28 36.6		696
1995 SS	1997 05 29.34025	15 26 05.47	−02 28 33.9		696
1995 SS	1997 05 30.29355	15 25 15.30	−02 04 32.5		696
1995 SS	1997 05 30.29535	15 25 15.13	−02 04 29.4		696
1995 SS	1997 05 30.29719	15 25 15.10	−02 04 27.0		696
1995 UK_6	1997 06 11.19544	11 18 18.73	+03 27 33.1		696
1995 UK_6	1997 06 11.19757	11 18 18.82	+03 27 32.3		696
1995 UK_6	1997 06 11.19980	11 18 18.88	+03 27 31.7		696
1995 YE	1997 06 11.29505	13 48 24.21	−08 08 14.4		696
1995 YE	1997 06 11.30082	13 48 24.15	−08 08 14.4		696
1995 YM	1997 05 15.15358	14 00 50.93	+14 01 10.9		696
1995 YM	1997 05 15.16131	14 00 50.64	+14 01 08.6		696
1995 YM	1997 05 15.16957	14 00 50.32	+14 01 06.2		696
1995 YU_9	1997 06 11.21365	12 21 34.24	−14 10 34.4		696
1995 YU_9	1997 06 11.21580	12 21 34.29	−14 10 34.1		696
1995 YU_9	1997 06 11.21791	12 21 34.32	−14 10 33.9		696
1996 BW_4	1997 05 29.35090	17 28 24.28	−23 42 34.4		696
1996 BW_4	1997 05 29.35301	17 28 24.12	−23 42 34.4		696
1996 BW_4	1997 05 29.35564	17 28 23.98	−23 42 34.8		696
1996 BW_4	1997 05 30.35817	17 27 21.24	−23 43 15.6	w	696
1996 BW_4	1997 05 30.36021	17 27 21.12	−23 43 15.7	w	696
1996 BW_4	1997 05 30.36203	17 27 20.99	−23 43 15.9	w	696
1996 LH	1997 06 02.46859	23 38 07.12	−06 29 52.8		696
1996 LH	1997 06 02.47111	23 38 07.30	−06 29 51.8		696
1996 LH	1997 06 02.47360	23 38 07.50	−06 29 50.4		696
1996 LH	1997 06 03.46729	23 39 12.83	−06 22 13.6		696
1996 LH	1997 06 03.47117	23 39 13.12	−06 22 11.9		696
1997 EQ_{11}	1997 05 29.28073	15 10 18.69	+14 04 59.3		696
1997 EQ_{11}	1997 05 29.28308	15 10 18.61	+14 04 59.7		696
1997 EQ_{11}	1997 05 29.28502	15 10 18.54	+14 05 00.0		696
1997 EQ_{11}	1997 05 30.24291	15 09 46.66	+14 07 31.1		696
1997 EQ_{11}	1997 05 30.24535	15 09 46.57	+14 07 31.5		696
1997 EQ_{11}	1997 05 30.24743	15 09 46.51	+14 07 31.8		696
1997 GB_2	1997 06 11.20281	12 12 13.12	−14 57 50.2		696
1997 GB_2	1997 06 11.20688	12 12 13.41	−14 57 53.4		696
1997 GB_2	1997 06 11.21075	12 12 13.68	−14 57 56.2		696
1997 GF_3	1997 06 11.23264	13 28 40.26	+25 11 52.0		696
1997 GF_3	1997 06 11.23524	13 28 40.41	+25 11 52.1		696
1997 GF_3	1997 06 11.23773	13 28 40.53	+25 11 52.7		696
1997 GO_{27}	1997 05 15.18919	14 02 21.97	+19 41 10.2		696
1997 GO_{27}	1997 05 15.19279	14 02 21.83	+19 41 13.6		696
1997 GO_{27}	1997 05 15.19458	14 02 21.75	+19 41 15.4		696
1997 GO_{27}	1997 06 11.30265	14 00 15.76	+21 59 32.8		696
1997 GO_{27}	1997 06 11.30534	14 00 15.85	+21 59 32.1		696
1997 GO_{27}	1997 06 11.30714	14 00 15.89	+21 59 31.8		696
1997 GX_{27}	1997 05 29.18493	11 49 13.23	+04 15 46.9		696
1997 GX_{27}	1997 05 29.18638	11 49 13.30	+04 15 43.1		696
1997 GX_{27}	1997 05 29.18792	11 49 13.34	+04 15 39.5		696
1997 KN	* 1997 05 29.31032	14 41 28.79	−11 39 32.3	19.3 R	696
1997 KN	1997 05 29.31289	14 41 28.68	−11 39 32.2		696
1997 KN	1997 05 29.31774	14 41 28.48	−11 39 32.0		696
1997 KN	1997 05 30.21800	14 40 52.05	−11 38 52.2		696
1997 KN	1997 05 30.22269	14 40 51.90	−11 38 51.9		696
1997 KN	1997 05 31.28921	14 40 09.76	−11 38 10.6		696
1997 KN	1997 05 31.29101	14 40 09.81	−11 38 10.4		696
1997 KO	* 1997 05 29.31032	14 41 34.40	−11 41 20.8	19.0 R	696
1997 KO	1997 05 29.31774	14 41 34.14	−11 41 19.0		696
1997 KO	1997 05 30.21800	14 41 03.65	−11 37 37.7		696
1997 KO	1997 05 30.22269	14 41 03.49	−11 37 36.5		696
1997 KO	1997 05 31.28921	14 40 28.60	−11 33 22.6		696
1997 KO	1997 05 31.29101	14 40 28.66	−11 33 23.1		696
1997 KP	* 1997 05 30.43082	16 33 05.51	−18 05 25.0		696
1997 KP	1997 05 30.43606	16 33 05.16	−18 05 27.0		696
1997 KP	1997 05 31.37635	16 32 05.04	−18 11 01.1		696
1997 KP	1997 05 31.38024	16 32 04.79	−18 11 02.6		696
1997 LC_4	1997 06 11.34684	16 42 01.04	−20 13 51.6	16.3 R	696
1997 LC_4	1997 06 11.34833	16 42 00.89	−20 13 52.7		696
1997 LC_4	1997 06 11.34979	16 42 00.76	−20 13 53.8		696
1997 LY_4	1997 06 12.31231	19 39 53.54	−12 34 18.9	16.4 R	696
1997 LY_4	1997 06 12.31376	19 39 53.60	−12 34 16.7		696
1997 LY_4	1997 06 12.31497	19 39 53.62	−12 34 14.7		696
(1160)	1997 05 29.19799	11 28 44.68	+00 22 22.7	16.8 R	696
(1160)	1997 05 29.20017	11 28 44.72	+00 22 22.1		696
(1160)	1997 05 29.20225	11 28 44.76	+00 22 21.6		696
(1160)	1997 06 01.25918	11 29 43.18	+00 07 43.4		696
(1160)	1997 06 01.26098	11 29 43.22	+00 07 42.8		696
(1160)	1997 06 01.26278	11 29 43.24	+00 07 42.2		696

704 Lincoln Laboratory Experimental Test System, New Mexico

H. Viggh, MIT Lincoln Laboratory, 244 Wood Street, Lexington, MA 02173, U.S.A. [viggh@ll.mit.edu]
Observers M. Blythe, F. Shelly, M. Bezpalko
Measurers J. Stuart, H. Viggh, J. Sharma

1.0-m $f/2.15$ reflector + CCD
GSC, USNO-SA1.0

1981 UD_2	1997 05 07.19561	14 45 58.07	−17 40 35.6	17.9	704
1981 UD_2	1997 05 07.21645	14 45 57.01	−17 40 26.5		704
1981 UD_2	1997 05 07.23728	14 45 55.94	−17 40 18.6		704
1981 UD_2	1997 05 07.25811	14 45 54.84	−17 40 08.8		704
1981 UD_2	1997 05 07.27895	14 45 53.77	−17 40 00.9	17.9	704

1982 WE	1997 05 07.30694	14 59 28.72	−13 26 13.9		704
1982 WE	1997 05 07.32236	14 59 27.74	−13 26 13.8		704
1982 WE	1997 05 07.33972	14 59 26.67	−13 26 14.1		704
1982 WE	1997 05 07.35709	14 59 25.59	−13 26 13.5		704
1982 WE	1997 05 07.37444	14 59 24.50	−13 26 13.1		704
1984 WA_1	1997 05 07.31545	15 09 13.04	−12 04 47.9	18.4	704
1984 WA_1	1997 05 07.33278	15 09 11.71	−12 04 50.6		704
1984 WA_1	1997 05 07.35014	15 09 10.30	−12 04 52.8		704
1984 WA_1	1997 05 07.36750	15 09 08.98	−12 04 55.6		704
1985 UG_2	1997 05 07.20537	14 52 17.98	−13 12 11.6	18.4	704
1985 UG_2	1997 05 07.24703	14 52 15.27	−13 11 59.6	18.2	704
1985 UG_2	1997 05 07.26787	14 52 13.91	−13 11 53.8	18.5	704
1985 UG_2	1997 05 07.28870	14 52 12.57	−13 11 48.0	18.2	704
1986 QQ_1	1997 05 07.19561	14 46 36.75	−17 22 54.2	19.1	704
1986 QQ_1	1997 05 07.21645	14 46 35.60	−17 22 51.6	19.1	704
1986 QQ_1	1997 05 07.23728	14 46 34.38	−17 22 45.9	19.5	704
1986 QQ_1	1997 05 07.27895	14 46 31.92	−17 22 37.4		704
1987 RL_1	1997 05 07.18787	14 22 06.37	−11 43 56.0	18.7	704
1987 RL_1	1997 05 07.20869	14 22 05.02	−11 43 48.7		704
1987 RL_1	1997 05 07.25036	14 22 02.38	−11 43 36.9		704
1987 RL_1	1997 05 07.27119	14 22 01.05	−11 43 30.2	18.9	704
1988 JD	1997 05 07.20448	14 52 27.70	−10 51 32.4	18.1	704
1988 JD	1997 05 07.24615	14 52 25.48	−10 51 23.8		704
1988 JD	1997 05 07.26698	14 52 24.32	−10 51 19.8		704
1988 JD	1997 05 07.28781	14 52 23.21	−10 51 15.5		704
1990 SR_6	1997 05 07.19983	14 47 30.45	−14 42 41.3	17.9	704
1990 SR_6	1997 05 07.22066	14 47 29.23	−14 42 36.3		704
1990 SR_6	1997 05 07.24150	14 47 28.07	−14 42 32.5		704
1990 SR_6	1997 05 07.26233	14 47 26.86	−14 42 27.6		704
1990 SR_6	1997 05 07.28316	14 47 25.62	−14 42 23.3	17.9	704
1991 GM_9	1997 05 07.30709	14 57 59.93	−13 35 08.8		704
1991 GM_9	1997 05 07.32255	14 57 59.16	−13 35 05.7		704
1991 GM_9	1997 05 07.33991	14 57 58.33	−13 35 01.9		704
1991 GM_9	1997 05 07.35728	14 57 57.47	−13 34 58.7		704
1991 GM_9	1997 05 07.37464	14 57 56.62	−13 34 55.1		704
1991 RU_7	1997 05 07.30584	14 58 09.81	−08 51 55.2	19.8	704
1991 RU_7	1997 05 07.32101	14 58 08.80	−08 51 50.2		704
1991 RU_7	1997 05 07.33837	14 58 07.81	−08 51 44.3		704
1991 RU_7	1997 05 07.35573	14 58 06.77	−08 51 39.1	19.8	704
1991 RU_7	1997 05 07.37311	14 58 05.69	−08 51 32.2	20.2	704
1991 TP_1	1997 05 07.18963	14 40 18.40	−16 51 43.0		704
1991 TP_1	1997 05 07.21046	14 40 17.00	−16 51 33.8		704
1991 TP_1	1997 05 07.23130	14 40 15.63	−16 51 24.8		704
1991 TP_1	1997 05 07.25213	14 40 14.27	−16 51 16.1		704
1991 TP_1	1997 05 07.27296	14 40 12.88	−16 51 06.5		704
1993 BO_3	1997 05 07.31118	15 03 47.86	−12 25 53.7		704
1993 BO_3	1997 05 07.32757	15 03 46.78	−12 25 50.9		704
1993 BO_3	1997 05 07.34493	15 03 45.66	−12 25 47.8		704
1993 BO_3	1997 05 07.36229	15 03 44.55	−12 25 44.6		704
1993 BO_3	1997 05 07.38003	15 03 43.38	−12 25 41.4		704
1993 EJ	1997 05 07.31754	14 57 33.34	−16 10 11.5	17.8	704
1993 EJ	1997 05 07.33490	14 57 32.21	−16 10 11.0		704
1993 EJ	1997 05 07.35226	14 57 31.05	−16 10 10.6		704
1993 EJ	1997 05 07.36962	14 57 29.94	−16 10 10.3		704
1993 FR_3	1997 05 07.30819	15 01 56.93	−13 49 52.9		704
1993 FR_3	1997 05 07.32390	15 01 56.08	−13 49 46.0		704
1993 FR_3	1997 05 07.34138	15 01 55.03	−13 49 38.5		704
1993 FR_3	1997 05 07.35862	15 01 54.10	−13 49 31.0		704
1993 FR_3	1997 05 07.37598	15 01 53.15	−13 49 23.4		704
1993 FM_{10}	1997 05 07.30803	15 01 20.55	−14 45 46.5	18.7	704
1993 FM_{10}	1997 05 07.32371	15 01 19.62	−14 45 43.6	18.8	704
1993 FM_{10}	1997 05 07.34122	15 01 18.55	−14 45 41.5	19.1	704
1993 FM_{10}	1997 05 07.37579	15 01 16.49	−14 45 35.3		704
1993 FR_{13}	1997 05 07.19052	14 40 49.52	−14 22 57.2	19.4	704
1993 FR_{13}	1997 05 07.21135	14 40 48.25	−14 22 56.0	19.7	704
1993 FR_{13}	1997 05 07.23218	14 40 46.88	−14 22 52.2		704
1993 FR_{13}	1997 05 07.25302	14 40 45.61	−14 22 47.6		704
1993 FR_{13}	1997 05 07.27385	14 40 44.20	−14 22 48.1	19.1	704
1993 FC_{22}	1997 05 07.19074	14 40 06.83	−13 58 11.2	18.3	704
1993 FC_{22}	1997 05 07.21157	14 40 05.60	−13 58 04.6	18.3	704
1993 FC_{22}	1997 05 07.25324	14 40 03.13	−13 57 52.3		704
1993 FC_{22}	1997 05 07.27407	14 40 01.87	−13 57 45.9		704
1993 FZ_{36}	1997 05 07.19583	14 46 50.08	−16 34 41.7	18.6	704
1993 FZ_{36}	1997 05 07.21667	14 46 48.77	−16 34 38.4		704
1993 FZ_{36}	1997 05 07.23750	14 46 47.46	−16 34 33.3		704
1993 FZ_{36}	1997 05 07.27917	14 46 44.81	−16 34 24.0		704
1993 QF_3	1997 05 07.30114	14 56 38.81	−13 37 56.4		704
1993 QF_3	1997 05 07.31850	14 56 37.97	−13 37 52.4		704
1993 QF_3	1997 05 07.33586	14 56 37.14	−13 37 48.7		704
1993 QF_3	1997 05 07.35322	14 56 36.30	−13 37 45.4		704
1993 QF_3	1997 05 07.37059	14 56 35.45	−13 37 41.5		704
1993 TP_{15}	1997 05 07.30133	14 56 13.17	−13 10 07.3	18.2	704
1993 TP_{15}	1997 05 07.31869	14 56 12.29	−13 10 03.6	18.5	704
1993 TP_{15}	1997 05 07.33605	14 56 11.42	−13 10 00.2	18.3	704
1993 TP_{15}	1997 05 07.35342	14 56 10.56	−13 09 54.8		704
1993 TP_{15}	1997 05 07.37078	14 56 09.63	−13 09 53.4	18.3	704
1994 PQ_{32}	1997 05 07.30457	14 55 10.61	−11 01 09.0	19.5	704
1994 PQ_{32}	1997 05 07.31947	14 55 09.67	−11 01 02.7	19.8	704
1994 PQ_{32}	1997 05 07.33683	14 55 08.70	−11 00 55.4	19.7	704
1994 PQ_{32}	1997 05 07.35419	14 55 07.81	−11 00 48.4	19.4	704
1994 PQ_{32}	1997 05 07.37183	14 55 06.55	−11 00 42.0		704
1994 UT_1	1997 05 07.19384	14 42 51.46	−15 27 34.8	18.4	704
1994 UT_1	1997 05 07.21468	14 42 50.21	−15 27 33.8		704
1994 UT_1	1997 05 07.23551	14 42 48.96	−15 27 33.5		704
1994 UT_1	1997 05 07.27718	14 42 46.38	−15 27 31.4	18.3	704
1994 UJ_{11}	1997 05 07.19761	14 45 04.21	−11 47 22.3		704
1994 UJ_{11}	1997 05 07.21844	14 45 03.05	−11 47 19.2		704
1994 UJ_{11}	1997 05 07.23928	14 45 01.85	−11 47 16.1		704
1994 UJ_{11}	1997 05 07.26011	14 45 00.67	−11 47 12.6		704
1994 UJ_{11}	1997 05 07.28094	14 44 59.50	−11 47 09.1		704
1995 WZ_4	1997 05 07.30647	14 58 43.07	−11 32 14.6	18.4	704
1995 WZ_4	1997 05 07.32178	14 58 42.13	−11 32 11.4	18.5	704
1995 WZ_4	1997 05 07.33914	14 58 41.07	−11 32 08.2	18.7	704
1995 WZ_4	1997 05 07.35650	14 58 39.91	−11 32 05.1		704

1995 WH_7	1997 05 07.19207	14 43 27.28	−10 41 54.8			704
1995 WH_7	1997 05 07.21290	14 43 26.07	−10 41 49.3			704
1995 WH_7	1997 05 07.23373	14 43 24.87	−10 41 43.2			704
1995 WH_7	1997 05 07.27540	14 43 22.42	−10 41 33.3			704
1997 EM_{47}	1997 04 11.18400	13 10 38.30	−11 10 28.2	19.1		704
1997 EM_{47}	1997 04 11.24078	13 10 34.83	−11 10 23.4			704
1997 GQ_6	1996 05 21.17987	09 12 22.50	+19 36 28.5	20	V	704
1997 GQ_6	1996 05 21.20077	09 12 23.63	+19 36 20.4	20	V	704
1997 GQ_6	1996 05 21.22166	09 12 24.82	+19 36 13.0	20	V	704
1997 GQ_6	1996 05 21.24255	09 12 25.87	+19 36 07.5	20	V	704
1997 GD_7	1997 05 07.18830	14 29 51.73	−12 59 26.0	18.7		704
1997 GD_7	1997 05 07.20913	14 29 50.73	−12 59 21.3			704
1997 GD_7	1997 05 07.25080	14 29 48.68	−12 59 13.2			704
1997 GD_7	1997 05 07.27163	14 29 47.71	−12 59 10.4			704
1997 GQ_7	1997 05 07.18787	14 24 04.91	−11 41 50.7	18.2		704
1997 GQ_7	1997 05 07.20869	14 24 03.73	−11 41 49.8			704
1997 GQ_7	1997 05 07.22952	14 24 02.52	−11 41 50.3			704
1997 GQ_7	1997 05 07.25036	14 24 01.36	−11 41 49.2	18.6		704
1997 GQ_7	1997 05 07.27119	14 24 00.16	−11 41 48.7	18.2		704
1997 GL_8	1997 05 07.18808	14 26 32.05	−17 19 49.3			704
1997 GL_8	1997 05 07.20891	14 26 30.74	−17 19 46.6			704
1997 GL_8	1997 05 07.25058	14 26 28.08	−17 19 40.9			704
1997 GL_8	1997 05 07.27141	14 26 26.72	−17 19 37.0			704
1997 GG_{22}	1997 05 07.18830	14 31 25.89	−12 44 53.3	18.6		704
1997 GG_{22}	1997 05 07.20913	14 31 24.72	−12 44 43.3			704
1997 GG_{22}	1997 05 07.22997	14 31 23.42	−12 44 32.7			704
1997 GG_{22}	1997 05 07.25080	14 31 22.34	−12 44 21.2			704
1997 GG_{22}	1997 05 07.27163	14 31 21.26	−12 44 09.7			704
1997 GZ_{23}	1997 05 07.19583	14 47 13.50	−17 03 52.0	18.5		704
1997 GZ_{23}	1997 05 07.20049	14 47 13.24	−17 03 51.9			704
1997 GZ_{23}	1997 05 07.21667	14 47 12.38	−17 03 50.9			704
1997 GZ_{23}	1997 05 07.23750	14 47 11.39	−17 03 50.4			704
1997 GZ_{23}	1997 05 07.24215	14 47 11.02	−17 03 48.9			704
1997 GZ_{23}	1997 05 07.25833	14 47 10.21	−17 03 50.1	18.8		704
1997 GZ_{23}	1997 05 07.26299	14 47 09.92	−17 03 48.1			704
1997 GZ_{23}	1997 05 07.27917	14 47 09.09	−17 03 48.0	18.3		704
1997 GZ_{23}	1997 05 07.28382	14 47 08.79	−17 03 46.4			704
1997 GO_{24}	1997 05 07.18985	14 41 59.93	−16 28 11.9	18.7		704
1997 GO_{24}	1997 05 07.21068	14 41 59.28	−16 28 07.2	19.0		704
1997 GO_{24}	1997 05 07.25235	14 41 58.01	−16 27 57.3			704
1997 GO_{24}	1997 05 07.27318	14 41 57.35	−16 27 53.0	19.2		704
1997 GZ_{25}	1997 05 07.31402	15 05 59.96	−08 00 22.0			704
1997 GZ_{25}	1997 05 07.33104	15 05 58.94	−08 00 16.7			704
1997 GZ_{25}	1997 05 07.34840	15 05 57.93	−08 00 11.9			704
1997 GZ_{25}	1997 05 07.36576	15 05 56.87	−08 00 06.6			704
1997 GP_{35}	1997 05 07.19295	14 42 50.82	−13 04 15.0	19.0		704
1997 GP_{35}	1997 05 07.21378	14 42 49.81	−13 04 08.5	19.1		704
1997 GP_{35}	1997 05 07.23462	14 42 48.84	−13 04 03.2			704
1997 GP_{35}	1997 05 07.27628	14 42 46.90	−13 03 51.0	18.7		704
1997 GS_{35}	1997 05 07.19652	14 45 03.81	−15 02 46.7	18.3		704
1997 GS_{35}	1997 05 07.21733	14 45 02.75	−15 02 37.3			704
1997 GS_{35}	1997 05 07.23817	14 45 01.69	−15 02 26.6			704
1997 GS_{35}	1997 05 07.27983	14 44 59.68	−15 02 05.3	18.1		704
1997 GF_{36}	1997 05 07.19583	14 46 12.50	−16 45 36.7			704
1997 GF_{36}	1997 05 07.21667	14 46 11.23	−16 45 35.1			704
1997 GF_{36}	1997 05 07.23750	14 46 09.92	−16 45 32.9			704
1997 GF_{36}	1997 05 07.25833	14 46 08.69	−16 45 30.9			704
1997 GF_{36}	1997 05 07.27917	14 46 07.35	−16 45 29.3			704
1997 GH_{36}	1997 05 01.22686	14 46 26.77	−18 22 21.4	18.1		704
1997 GH_{36}	1997 05 01.24932	14 46 25.31	−18 22 23.2	18.5		704
1997 GH_{36}	1997 05 01.27175	14 46 23.84	−18 22 24.0	18.2		704
1997 GH_{36}	1997 05 01.29425	14 46 22.38	−18 22 25.4	18.2		704
1997 GH_{36}	1997 05 01.31695	14 46 20.90	−18 22 27.0	18.2		704
1997 GH_{36}	1997 05 07.18897	14 40 07.79	−18 26 51.1			704
1997 GH_{36}	1997 05 07.20980	14 40 06.40	−18 26 52.0			704
1997 GH_{36}	1997 05 07.25147	14 40 03.68	−18 26 53.6			704
1997 GH_{36}	1997 05 07.27230	14 40 02.33	−18 26 54.2			704
1997 GM_{36}	1997 05 07.20226	14 49 39.75	−16 04 50.0	18.9		704
1997 GM_{36}	1997 05 07.24393	14 49 37.37	−16 04 33.7			704
1997 GM_{36}	1997 05 07.26476	14 49 36.21	−16 04 26.3			704
1997 GM_{36}	1997 05 07.28560	14 49 34.96	−16 04 18.9	19.4		704
1997 GP_{36}	1997 05 07.20359	14 51 20.58	−12 36 11.5			704
1997 GP_{36}	1997 05 07.22443	14 51 19.54	−12 35 57.0			704
1997 GP_{36}	1997 05 07.24526	14 51 18.53	−12 35 44.5			704
1997 GP_{36}	1997 05 07.26609	14 51 17.57	−12 35 32.3			704
1997 GP_{36}	1997 05 07.28693	14 51 16.49	−12 35 16.8			704
1997 GR_{36}	1997 04 30.22246	14 45 08.56	−11 10 02.4	18.5		704
1997 GR_{36}	1997 04 30.24475	14 45 07.30	−11 09 57.9	19.2		704
1997 GR_{36}	1997 04 30.26732	14 45 06.00	−11 09 54.3	19.1		704
1997 GR_{36}	1997 04 30.28977	14 45 04.71	−11 09 50.7	19.5		704
1997 GR_{36}	1997 04 30.31260	14 45 03.39	−11 09 46.0	18.9		704
1997 GT_{36}	1997 05 07.19938	14 48 52.63	−13 41 22.1	18.7		704
1997 GT_{36}	1997 05 07.22021	14 48 51.58	−13 41 16.2			704
1997 GT_{36}	1997 05 07.24105	14 48 50.51	−13 41 11.8	18.5		704
1997 GT_{36}	1997 05 07.28271	14 48 48.34	−13 41 01.7			704
1997 HH_3	1997 05 07.18830	14 31 04.27	−12 56 36.0			704
1997 HH_3	1997 05 07.20913	14 31 02.16	−12 56 48.4			704
1997 HH_3	1997 05 07.25080	14 30 57.86	−12 57 12.7			704
1997 HH_3	1997 05 07.27163	14 30 55.73	−12 57 24.1			704
1997 HX_6	1997 04 02.41237	14 47 15.78	−12 42 16.2	18.4		704
1997 HX_6	1997 04 02.45403	14 47 14.38	−12 42 09.1			704
1997 HY_6	1997 04 02.41288	14 47 01.08	−10 58 08.5	18.9		704
1997 HY_6	1997 04 02.45455	14 46 59.61	−10 58 05.7			704
1997 HZ_7	1997 04 08.34816	14 47 39.46	−16 59 38.6			704
1997 HZ_7	1997 04 08.42340	14 47 36.41	−16 59 20.8			704
1997 HX_9	1997 04 06.32358	14 58 58.21	−13 03 07.1	20.1		704
1997 HX_9	1997 04 06.41803	14 58 54.29	−13 03 05.3			704
1997 HL_{10}	1997 04 08.37961	14 56 03.76	−15 08 43.4			704
1997 HL_{10}	1997 04 08.43063	14 56 01.81	−15 08 32.5			704
1997 HB_{13}	1997 05 07.18985	14 41 46.00	−16 20 46.7	18.7		704
1997 HB_{13}	1997 05 07.21068	14 41 45.08	−16 20 38.8	18.8		704
1997 HB_{13}	1997 05 07.25235	14 41 43.09	−16 20 20.1			704
1997 HB_{13}	1997 05 07.27318	14 41 42.21	−16 20 11.1	18.7		704
1997 HD_{13}	1997 04 06.33064	15 07 03.32	−18 06 49.8	19.2		704

1997 HD_{13}	1997 04 06.42522	15 06 59.94	−18 06 39.0		704
1997 HD_{13}	1997 04 11.35367	15 03 48.25	−17 55 24.6	19.3	704
1997 HD_{13}	1997 04 11.41162	15 03 45.57	−17 55 14.9		704
1997 HD_{13}	1997 05 07.18985	14 39 58.23	−16 17 54.4	18.4	704
1997 HD_{13}	1997 05 07.21068	14 39 56.95	−16 17 49.7		704
1997 HD_{13}	1997 05 07.25235	14 39 54.40	−16 17 37.6		704
1997 HD_{13}	1997 05 07.27318	14 39 53.10	−16 17 32.3		704
1997 HG_{13}	1997 05 07.19052	14 40 47.74	−14 12 53.5	18.4	704
1997 HG_{13}	1997 05 07.21135	14 40 46.57	−14 12 47.2		704
1997 HG_{13}	1997 05 07.25302	14 40 44.20	−14 12 32.4		704
1997 HG_{13}	1997 05 07.27385	14 40 43.09	−14 12 25.9	18.8	704
1997 HO_{13}	1997 05 07.19163	14 40 17.41	−11 25 34.8	18.7	704
1997 HO_{13}	1997 05 07.21246	14 40 16.09	−11 25 34.2		704
1997 HO_{13}	1997 05 07.23329	14 40 14.71	−11 25 34.3		704
1997 HO_{13}	1997 05 07.27496	14 40 11.99	−11 25 34.1	18.7	704
1997 HS_{13}	1997 04 06.32939	15 04 04.40	−15 07 56.3	19.8	704
1997 HS_{13}	1997 04 06.42397	15 04 01.74	−15 07 23.1		704
1997 HS_{13}	1997 04 11.35036	15 01 33.31	−14 37 50.1	19.6	704
1997 HS_{13}	1997 04 11.40858	15 01 31.38	−14 37 29.2		704
1997 HS_{13}	1997 05 07.19229	14 43 21.85	−11 35 34.4	18.7	704
1997 HS_{13}	1997 05 07.21312	14 43 20.82	−11 35 25.1		704
1997 HS_{13}	1997 05 07.25479	14 43 18.78	−11 35 03.7		704
1997 HS_{13}	1997 05 07.27562	14 43 17.79	−11 34 58.0	19.2	704
1997 HE_{17}	* 1997 04 30.22148	14 45 43.87	−15 08 31.5	19.2	704
1997 HE_{17}	1997 04 30.24378	14 45 42.74	−15 08 26.7	19.1	704
1997 HE_{17}	1997 04 30.26637	14 45 41.62	−15 08 24.1	19.5	704
1997 HE_{17}	1997 04 30.28880	14 45 40.46	−15 08 17.8	19.6	704
1997 HE_{17}	1997 04 30.31133	14 45 39.28	−15 08 16.0	19.2	704
1997 HE_{17}	1997 05 07.19030	14 39 58.65	−14 48 23.9	19.0	704
1997 HE_{17}	1997 05 07.21113	14 39 57.58	−14 48 20.5		704
1997 HE_{17}	1997 05 07.25280	14 39 55.48	−14 48 12.7		704
1997 HE_{17}	1997 05 07.27363	14 39 54.31	−14 48 09.6		704
1997 HG_{17}	* 1997 04 30.20434	14 28 59.33	−11 39 09.9	19.7	704
1997 HG_{17}	1997 04 30.22662	14 28 57.96	−11 39 06.2	20.3	704
1997 HG_{17}	1997 04 30.24903	14 28 56.71	−11 39 01.0	20.1	704
1997 HG_{17}	1997 04 30.27149	14 28 55.33	−11 38 57.9	20.3	704
1997 HG_{17}	1997 05 01.21046	14 28 01.90	−11 36 07.4	19.8	704
1997 HG_{17}	1997 05 01.23281	14 28 00.66	−11 36 03.4	20.5	704
1997 HG_{17}	1997 05 01.27770	14 27 58.04	−11 35 57.0	20.0	704
1997 HG_{17}	1997 05 01.30022	14 27 56.67	−11 35 52.2	19.8	704
1997 JJ_{11}	1997 05 07.19652	14 46 32.99	−14 45 31.3		704
1997 JJ_{11}	1997 05 07.21733	14 46 31.52	−14 45 32.9		704
1997 JJ_{11}	1997 05 07.23817	14 46 30.08	−14 45 34.8		704
1997 JJ_{11}	1997 05 07.25900	14 46 28.63	−14 45 37.0		704
1997 JJ_{11}	1997 05 07.27983	14 46 27.20	−14 45 38.9		704
1997 JK_{11}	1997 04 11.35463	15 06 24.30	−16 27 21.2	19.5	704
1997 JK_{11}	1997 04 11.41259	15 06 22.61	−16 26 58.6		704
1997 JK_{11}	1997 05 07.19916	14 48 31.04	−13 10 06.2	18.1	704
1997 JK_{11}	1997 05 07.21999	14 48 29.87	−13 09 55.3		704
1997 JK_{11}	1997 05 07.24083	14 48 28.90	−13 09 45.9	18.3	704
1997 JK_{11}	1997 05 07.26166	14 48 27.83	−13 09 36.9	18.1	704
1997 JK_{11}	1997 05 07.28249	14 48 26.75	−13 09 26.0		704
1997 JL_{11}	1997 05 07.20027	14 48 00.18	−16 23 04.9	18.6	704
1997 JL_{11}	1997 05 07.24193	14 47 57.61	−16 23 06.1		704
1997 JL_{11}	1997 05 07.26277	14 47 56.27	−16 23 06.5		704
1997 JL_{11}	1997 05 07.28360	14 47 54.98	−16 23 06.7	18.9	704
1997 JN_{11}	1997 05 07.20005	14 49 02.57	−15 28 17.1	19.2	704
1997 JN_{11}	1997 05 07.24171	14 49 00.34	−15 28 03.9		704
1997 JN_{11}	1997 05 07.26255	14 48 59.34	−15 27 56.9		704
1997 JN_{11}	1997 05 07.28338	14 48 58.13	−15 27 51.1		704
1997 JP_{11}	1997 05 07.19960	14 49 15.61	−14 23 02.8	18.9	704
1997 JP_{11}	1997 05 07.24127	14 49 13.41	−14 22 56.2		704
1997 JP_{11}	1997 05 07.26210	14 49 12.29	−14 22 53.7	19.0	704
1997 JP_{11}	1997 05 07.28293	14 49 11.18	−14 22 50.4	18.9	704
1997 JT_{11}	1997 04 11.35479	15 07 58.98	−15 41 57.6	18.8	704
1997 JT_{11}	1997 04 11.41275	15 07 57.10	−15 41 48.3		704
1997 JT_{11}	1997 05 07.20293	14 50 03.79	−14 12 55.9		704
1997 JT_{11}	1997 05 07.24460	14 50 01.76	−14 12 45.9		704
1997 JT_{11}	1997 05 07.26543	14 50 00.75	−14 12 41.6		704
1997 JT_{11}	1997 05 07.28626	14 49 59.74	−14 12 36.6		704
1997 JU_{11}	1997 05 07.20270	14 50 11.50	−14 59 46.9	18.5	704
1997 JU_{11}	1997 05 07.24437	14 50 09.32	−14 59 39.4		704
1997 JU_{11}	1997 05 07.26520	14 50 08.25	−14 59 36.3	18.9	704
1997 JU_{11}	1997 05 07.28604	14 50 07.16	−14 59 32.2	18.9	704
1997 JV_{11}	1997 05 07.20337	14 50 32.27	−13 00 39.0		704
1997 JV_{11}	1997 05 07.22420	14 50 31.19	−13 00 36.1		704
1997 JV_{11}	1997 05 07.24504	14 50 30.14	−13 00 33.3		704
1997 JV_{11}	1997 05 07.26587	14 50 29.07	−13 00 30.8		704
1997 JV_{11}	1997 05 07.28670	14 50 27.99	−13 00 28.0		704
1997 JX_{11}	1997 05 07.20337	14 50 32.33	−13 07 49.4		704
1997 JX_{11}	1997 05 07.22420	14 50 30.96	−13 07 49.7		704
1997 JX_{11}	1997 05 07.24504	14 50 29.61	−13 07 49.2		704
1997 JX_{11}	1997 05 07.26587	14 50 28.24	−13 07 49.2		704
1997 JX_{11}	1997 05 07.28670	14 50 26.85	−13 07 49.0		704
1997 JA_{12}	1997 05 07.20293	14 52 10.53	−14 05 39.9	19.2	704
1997 JA_{12}	1997 05 07.20581	14 52 10.39	−14 05 40.3	18.7	704
1997 JA_{12}	1997 05 07.24460	14 52 08.35	−14 05 33.5	19.7	704
1997 JA_{12}	1997 05 07.24748	14 52 08.20	−14 05 33.2	19.1	704
1997 JA_{12}	1997 05 07.26543	14 52 07.25	−14 05 30.3	19.3	704
1997 JA_{12}	1997 05 07.26831	14 52 07.09	−14 05 30.4		704
1997 JA_{12}	1997 05 07.28626	14 52 06.16	−14 05 27.4	19.1	704
1997 JA_{12}	1997 05 07.28915	14 52 06.02	−14 05 26.2	19.2	704
1997 JC_{12}	1997 05 07.20559	14 52 22.60	−13 40 58.4	19.0	704
1997 JC_{12}	1997 05 07.24725	14 52 20.24	−13 40 56.3		704
1997 JC_{12}	1997 05 07.26809	14 52 19.18	−13 40 54.8	19.3	704
1997 JC_{12}	1997 05 07.28892	14 52 17.99	−13 40 53.3	19.4	704
1997 JD_{12}	1997 04 11.36260	15 14 40.15	−18 11 25.0	19.5	704
1997 JD_{12}	1997 04 11.40617	15 14 38.23	−18 11 12.8		704
1997 JD_{12}	1997 05 07.20625	14 52 17.01	−15 27 52.9	18.8	704
1997 JD_{12}	1997 05 07.24792	14 52 14.43	−15 27 34.4	18.6	704
1997 JD_{12}	1997 05 07.26875	14 52 13.20	−15 27 25.7	19.0	704
1997 JD_{12}	1997 05 07.28958	14 52 11.67	−15 27 16.6		704
1997 JF_{12}	1997 04 11.35877	15 11 27.69	−17 12 48.0	19.5	704
1997 JF_{12}	1997 04 11.41673	15 11 25.71	−17 12 39.9		704

1997 JF_{12}	1997 05 07.20625	14 53 03.35	−15 42 58.1	19.2	704
1997 JF_{12}	1997 05 07.24792	14 53 01.21	−15 42 48.2	19.2	704
1997 JF_{12}	1997 05 07.26875	14 53 00.23	−15 42 44.4	19.0	704
1997 JF_{12}	1997 05 07.28958	14 52 59.02	−15 42 38.8	19.5	704
1997 JG_{12}	1997 05 07.20603	14 53 19.85	−14 50 22.5	19.0	704
1997 JG_{12}	1997 05 07.24770	14 53 17.70	−14 50 19.7		704
1997 JG_{12}	1997 05 07.26853	14 53 16.64	−14 50 17.2		704
1997 JG_{12}	1997 05 07.28936	14 53 15.56	−14 50 14.9		704
1997 JK_{12}	1997 05 07.20515	14 54 18.08	−12 46 50.8	18.7	704
1997 JK_{12}	1997 05 07.24681	14 54 15.85	−12 46 37.1	18.5	704
1997 JK_{12}	1997 05 07.26765	14 54 14.74	−12 46 30.2		704
1997 JK_{12}	1997 05 07.28848	14 54 13.60	−12 46 23.3		704
1997 JL_{12}	1997 05 07.20581	14 54 08.94	−14 34 21.8	19.3	704
1997 JL_{12}	1997 05 07.24748	14 54 06.40	−14 34 16.4	19.5	704
1997 JL_{12}	1997 05 07.26831	14 54 05.15	−14 34 14.7	19.4	704
1997 JL_{12}	1997 05 07.28915	14 54 03.81	−14 34 13.6	19.2	704
1997 JM_{12}	1997 05 07.30056	14 54 59.10	−15 45 03.8		704
1997 JM_{12}	1997 05 07.31792	14 54 58.11	−15 45 00.7		704
1997 JM_{12}	1997 05 07.33528	14 54 57.06	−15 44 57.0		704
1997 JM_{12}	1997 05 07.35264	14 54 56.04	−15 44 53.7		704
1997 JM_{12}	1997 05 07.37001	14 54 55.01	−15 44 50.7		704
1997 JN_{12}	1997 05 07.30114	14 55 51.03	−13 46 22.9		704
1997 JN_{12}	1997 05 07.31850	14 55 50.08	−13 46 22.2		704
1997 JN_{12}	1997 05 07.33586	14 55 49.12	−13 46 21.9		704
1997 JN_{12}	1997 05 07.35322	14 55 48.15	−13 46 21.6		704
1997 JN_{12}	1997 05 07.37059	14 55 47.22	−13 46 21.2		704
1997 JQ_{12}	1997 05 07.30741	14 57 14.00	−14 59 05.9	19.0	704
1997 JQ_{12}	1997 05 07.34030	14 57 12.22	−14 58 58.9	19.2	704
1997 JQ_{12}	1997 05 07.35766	14 57 11.20	−14 58 55.7	19.4	704
1997 JQ_{12}	1997 05 07.37502	14 57 10.11	−14 58 52.1		704
1997 JR_{12}	1997 05 07.30741	14 57 43.45	−15 07 35.5		704
1997 JR_{12}	1997 05 07.32294	14 57 42.60	−15 07 32.4		704
1997 JR_{12}	1997 05 07.34030	14 57 41.64	−15 07 28.8		704
1997 JR_{12}	1997 05 07.35766	14 57 40.66	−15 07 25.3		704
1997 JR_{12}	1997 05 07.37502	14 57 39.74	−15 07 21.6		704
1997 JS_{12}	1997 05 07.30757	14 58 15.72	−15 55 53.5	18.9	704
1997 JS_{12}	1997 05 07.32313	14 58 14.96	−15 55 51.0	19.2	704
1997 JS_{12}	1997 05 07.34049	14 58 14.07	−15 55 47.3		704
1997 JS_{12}	1997 05 07.35785	14 58 13.20	−15 55 43.2		704
1997 JS_{12}	1997 05 07.37522	14 58 12.27	−15 55 39.2	19.3	704
1997 JT_{12}	1997 05 07.30741	14 57 33.43	−15 00 13.5	18.5	704
1997 JT_{12}	1997 05 07.32294	14 57 32.46	−15 00 08.5		704
1997 JT_{12}	1997 05 07.34030	14 57 31.40	−15 00 02.9	19.0	704
1997 JT_{12}	1997 05 07.35766	14 57 30.27	−14 59 57.9		704
1997 JT_{12}	1997 05 07.37502	14 57 29.19	−14 59 52.6		704
1997 JU_{12}	1997 05 07.30757	14 58 22.77	−15 46 58.4		704
1997 JU_{12}	1997 05 07.32313	14 58 21.94	−15 46 55.8		704
1997 JU_{12}	1997 05 07.34049	14 58 21.00	−15 46 53.1		704
1997 JU_{12}	1997 05 07.35785	14 58 20.07	−15 46 50.4		704
1997 JW_{12}	1997 05 07.30725	14 58 47.32	−14 36 35.7		704
1997 JW_{12}	1997 05 07.32274	14 58 46.53	−14 36 11.9		704
1997 JW_{12}	1997 05 07.34011	14 58 45.65	−14 35 45.2		704
1997 JW_{12}	1997 05 07.35747	14 58 44.79	−14 35 18.4		704
1997 JW_{12}	1997 05 07.37483	14 58 43.95	−14 34 51.9		704
1997 JX_{12}	1997 05 07.30741	14 57 35.99	−14 51 45.5	18.3	704
1997 JX_{12}	1997 05 07.32294	14 57 34.97	−14 51 40.4		704
1997 JX_{12}	1997 05 07.34030	14 57 33.81	−14 51 33.4		704
1997 JX_{12}	1997 05 07.35766	14 57 32.68	−14 51 26.9		704
1997 JX_{12}	1997 05 07.37502	14 57 31.52	−14 51 22.0		704
1997 JY_{12}	1997 05 07.30757	14 57 53.07	−15 47 53.8		704
1997 JY_{12}	1997 05 07.32313	14 57 52.05	−15 47 55.2		704
1997 JY_{12}	1997 05 07.34049	14 57 50.90	−15 47 56.8		704
1997 JY_{12}	1997 05 07.35785	14 57 49.82	−15 47 57.5		704
1997 JY_{12}	1997 05 07.37522	14 57 48.60	−15 47 59.4		704
1997 JA_{13}	1997 05 07.30663	14 58 36.56	−12 06 23.7	18.9	704
1997 JA_{13}	1997 05 07.32197	14 58 35.59	−12 06 19.4		704
1997 JA_{13}	1997 05 07.33934	14 58 34.59	−12 06 14.5	19.2	704
1997 JA_{13}	1997 05 07.35670	14 58 33.46	−12 06 08.9		704
1997 JA_{13}	1997 05 07.37406	14 58 32.52	−12 06 03.9		704
1997 JB_{13}	1997 05 07.30757	14 59 31.62	−15 30 46.4	19.0	704
1997 JB_{13}	1997 05 07.32313	14 59 30.87	−15 30 43.2		704
1997 JB_{13}	1997 05 07.34049	14 59 29.98	−15 30 39.3	19.0	704
1997 JB_{13}	1997 05 07.35785	14 59 29.22	−15 30 36.5		704
1997 JC_{13}	1997 05 07.30757	14 59 09.75	−15 25 51.0	18.6	704
1997 JC_{13}	1997 05 07.32313	14 59 08.82	−15 25 48.2	19.0	704
1997 JC_{13}	1997 05 07.34049	14 59 07.80	−15 25 47.9	18.6	704
1997 JC_{13}	1997 05 07.35785	14 59 06.78	−15 25 46.3		704
1997 JC_{13}	1997 05 07.37522	14 59 05.70	−15 25 43.9		704
1997 JD_{13}	1997 05 07.30725	14 59 26.68	−14 24 33.6	19.3	704
1997 JD_{13}	1997 05 07.32274	14 59 25.76	−14 24 31.4	19.5	704
1997 JD_{13}	1997 05 07.34011	14 59 24.74	−14 24 31.0	19.0	704
1997 JD_{13}	1997 05 07.37483	14 59 22.48	−14 24 27.9		704
1997 JG_{13}	1997 05 07.31735	15 00 24.62	−16 30 22.6	18.1	704
1997 JG_{13}	1997 05 07.33470	15 00 23.38	−16 30 21.9	18.2	704
1997 JG_{13}	1997 05 07.35207	15 00 22.14	−16 30 21.1		704
1997 JG_{13}	1997 05 07.36943	15 00 20.91	−16 30 19.8	18.1	704
1997 JH_{13}	1997 05 07.30772	15 01 13.37	−16 01 25.6	18.3	704
1997 JH_{13}	1997 05 07.31735	15 01 12.81	−16 01 26.1	18.1	704
1997 JH_{13}	1997 05 07.32332	15 01 12.40	−16 01 25.9	18.6	704
1997 JH_{13}	1997 05 07.33470	15 01 11.73	−16 01 25.3	18.0	704
1997 JH_{13}	1997 05 07.34068	15 01 11.37	−16 01 25.6	18.8	704
1997 JH_{13}	1997 05 07.35207	15 01 10.67	−16 01 25.5		704
1997 JH_{13}	1997 05 07.35805	15 01 10.31	−16 01 25.2		704
1997 JH_{13}	1997 05 07.36943	15 01 09.61	−16 01 25.5	18.1	704
1997 JH_{13}	1997 05 07.37540	15 01 09.26	−16 01 25.2		704
1997 JJ_{13}	1997 05 07.30834	15 01 05.20	−13 04 14.4		704
1997 JJ_{13}	1997 05 07.32410	15 01 04.19	−13 04 12.1		704
1997 JJ_{13}	1997 05 07.34153	15 01 03.07	−13 04 09.8		704
1997 JJ_{13}	1997 05 07.35882	15 01 01.95	−13 04 06.7		704
1997 JJ_{13}	1997 05 07.37618	15 01 00.84	−13 04 04.4		704
1997 JK_{13}	1997 05 07.30788	15 01 51.03	−14 48 39.4	19.2	704
1997 JK_{13}	1997 05 07.32352	15 01 50.17	−14 48 39.4	19.6	704
1997 JK_{13}	1997 05 07.34088	15 01 49.23	−14 48 38.8	19.6	704
1997 JK_{13}	1997 05 07.35824	15 01 48.27	−14 48 37.5		704

1997 JK_{13}	1997 05 07.37560	15 01 47.16	−14 48 36.5		704
1997 JL_{13}	1997 05 07.31149	15 02 12.86	−13 46 55.0		704
1997 JL_{13}	1997 05 07.32795	15 02 11.95	−13 46 49.2		704
1997 JL_{13}	1997 05 07.34531	15 02 11.00	−13 46 43.0		704
1997 JL_{13}	1997 05 07.36267	15 02 10.04	−13 46 37.0		704
1997 JL_{13}	1997 05 07.38035	15 02 09.08	−13 46 30.5		704
1997 JM_{13}	1997 05 07.30788	15 01 56.42	−15 11 38.7	18.8	704
1997 JM_{13}	1997 05 07.32352	15 01 55.52	−15 11 35.1	19.1	704
1997 JM_{13}	1997 05 07.34088	15 01 54.50	−15 11 31.3	19.1	704
1997 JM_{13}	1997 05 07.35824	15 01 53.46	−15 11 27.8		704
1997 JM_{13}	1997 05 07.37560	15 01 52.10	−15 11 23.7		704
1997 JN_{13}	1997 05 07.31118	15 02 31.94	−12 29 44.7		704
1997 JN_{13}	1997 05 07.32757	15 02 30.99	−12 29 40.2		704
1997 JN_{13}	1997 05 07.34493	15 02 29.97	−12 29 36.2		704
1997 JN_{13}	1997 05 07.36229	15 02 29.02	−12 29 31.6		704
1997 JN_{13}	1997 05 07.38003	15 02 27.94	−12 29 26.8		704
1997 JO_{13}	1997 05 07.31118	15 02 13.63	−12 29 06.5	18.8	704
1997 JO_{13}	1997 05 07.32757	15 02 12.52	−12 29 08.1	19.2	704
1997 JO_{13}	1997 05 07.34493	15 02 11.43	−12 29 10.5	19.3	704
1997 JO_{13}	1997 05 07.36229	15 02 10.28	−12 29 12.3	19.2	704
1997 JO_{13}	1997 05 07.38003	15 02 09.12	−12 29 14.0	19.0	704
1997 JP_{13}	1997 05 07.31149	15 03 33.30	−13 38 32.0	18.4	704
1997 JP_{13}	1997 05 07.32795	15 03 32.50	−13 38 25.5	18.7	704
1997 JP_{13}	1997 05 07.34531	15 03 31.69	−13 38 18.6		704
1997 JP_{13}	1997 05 07.36267	15 03 30.83	−13 38 13.1		704
1997 JP_{13}	1997 05 07.38035	15 03 29.97	−13 38 05.0	18.8	704
1997 JQ_{13}	1997 05 07.31165	15 03 25.52	−14 20 34.6	18.3	704
1997 JQ_{13}	1997 05 07.32815	15 03 24.62	−14 20 33.9		704
1997 JQ_{13}	1997 05 07.34551	15 03 23.70	−14 20 33.5	18.7	704
1997 JQ_{13}	1997 05 07.38051	15 03 21.84	−14 20 32.4	18.7	704
1997 JR_{13}	1997 05 07.31103	15 04 05.63	−11 55 58.2	18.6	704
1997 JR_{13}	1997 05 07.32737	15 04 04.90	−11 55 52.0	18.8	704
1997 JR_{13}	1997 05 07.34473	15 04 04.13	−11 55 46.4	18.8	704
1997 JR_{13}	1997 05 07.36209	15 04 03.34	−11 55 41.1		704
1997 JR_{13}	1997 05 07.37987	15 04 02.53	−11 55 34.9		704
1997 JS_{13}	1997 05 07.31134	15 04 06.90	−13 18 05.6	18.9	704
1997 JS_{13}	1997 05 07.32776	15 04 05.86	−13 18 01.6	18.9	704
1997 JS_{13}	1997 05 07.34512	15 04 04.84	−13 17 58.2	19.1	704
1997 JS_{13}	1997 05 07.36248	15 04 03.80	−13 17 53.5		704
1997 JS_{13}	1997 05 07.38019	15 04 02.68	−13 17 49.3	19.1	704
1997 JT_{13}	1997 05 07.31134	15 04 09.07	−13 25 05.8		704
1997 JT_{13}	1997 05 07.32776	15 04 08.03	−13 25 02.8		704
1997 JT_{13}	1997 05 07.34512	15 04 06.93	−13 24 59.9		704
1997 JT_{13}	1997 05 07.36248	15 04 05.82	−13 24 56.8		704
1997 JT_{13}	1997 05 07.38019	15 04 04.70	−13 24 53.5		704
1997 JU_{13}	1997 05 07.31696	15 05 22.65	−16 31 43.1	18.3	704
1997 JU_{13}	1997 05 07.33432	15 05 21.73	−16 31 40.1	18.4	704
1997 JU_{13}	1997 05 07.35168	15 05 20.76	−16 31 37.4		704
1997 JU_{13}	1997 05 07.36904	15 05 19.85	−16 31 33.9	18.6	704
1997 JV_{13}	1997 05 07.31259	15 05 45.85	−13 54 37.9		704
1997 JV_{13}	1997 05 07.32931	15 05 45.04	−13 54 35.0		704
1997 JV_{13}	1997 05 07.34678	15 05 44.18	−13 54 32.0		704
1997 JV_{13}	1997 05 07.36403	15 05 43.38	−13 54 28.7		704
1997 JV_{13}	1997 05 07.38148	15 05 42.53	−13 54 25.6		704
1997 JW_{13}	1997 05 07.31243	15 05 05.67	−14 29 21.9	18.2	704
1997 JW_{13}	1997 05 07.32911	15 05 04.62	−14 29 20.1		704
1997 JW_{13}	1997 05 07.34662	15 05 03.55	−14 29 18.0	18.4	704
1997 JW_{13}	1997 05 07.36383	15 05 02.49	−14 29 16.2		704
1997 JW_{13}	1997 05 07.38131	15 05 01.48	−14 29 14.1		704
1997 JX_{13}	1997 05 07.31259	15 05 02.15	−13 52 45.2		704
1997 JX_{13}	1997 05 07.32931	15 05 01.05	−13 52 42.5		704
1997 JX_{13}	1997 05 07.34678	15 04 59.89	−13 52 39.9		704
1997 JX_{13}	1997 05 07.36403	15 04 58.78	−13 52 37.1		704
1997 JX_{13}	1997 05 07.38148	15 04 57.64	−13 52 34.0		704
1997 JY_{13}	1997 05 07.31227	15 05 37.91	−15 01 12.9	18.2	704
1997 JY_{13}	1997 05 07.32892	15 05 36.87	−15 01 09.5		704
1997 JY_{13}	1997 05 07.34628	15 05 35.78	−15 01 04.7	18.0	704
1997 JY_{13}	1997 05 07.36364	15 05 34.72	−15 01 00.7		704
1997 JY_{13}	1997 05 07.38115	15 05 33.62	−15 00 55.8	18.3	704
1997 JZ_{13}	1997 05 07.31243	15 06 34.39	−14 38 26.7	18.4	704
1997 JZ_{13}	1997 05 07.32911	15 06 33.43	−14 38 18.5	18.9	704
1997 JZ_{13}	1997 05 07.34662	15 06 32.39	−14 38 10.0	18.5	704
1997 JZ_{13}	1997 05 07.36383	15 06 31.51	−14 38 01.4		704
1997 JZ_{13}	1997 05 07.38131	15 06 30.39	−14 37 52.9	18.7	704
1997 JA_{14}	1997 05 07.31243	15 06 59.80	−14 14 24.2	18.1	704
1997 JA_{14}	1997 05 07.31619	15 06 59.61	−14 14 23.1		704
1997 JA_{14}	1997 05 07.32911	15 06 58.94	−14 14 17.8	18.6	704
1997 JA_{14}	1997 05 07.33369	15 06 58.72	−14 14 16.1		704
1997 JA_{14}	1997 05 07.34662	15 06 58.02	−14 14 11.3		704
1997 JA_{14}	1997 05 07.35091	15 06 57.79	−14 14 09.5		704
1997 JA_{14}	1997 05 07.36383	15 06 57.07	−14 14 04.8		704
1997 JA_{14}	1997 05 07.36827	15 06 56.88	−14 14 02.2		704
1997 JA_{14}	1997 05 07.38131	15 06 56.16	−14 13 58.1		704
1997 JB_{14}	1997 05 07.31599	15 07 22.34	−13 49 03.5		704
1997 JB_{14}	1997 05 07.33335	15 07 21.38	−13 49 03.1		704
1997 JB_{14}	1997 05 07.35072	15 07 20.44	−13 49 02.4		704
1997 JB_{14}	1997 05 07.36808	15 07 19.47	−13 49 02.1		704
1997 JF_{14}	* 1997 05 01.22671	14 46 48.46	−18 55 45.0		704
1997 JF_{14}	1997 05 01.24916	14 46 47.47	−18 55 31.5		704
1997 JF_{14}	1997 05 01.27159	14 46 46.47	−18 55 18.0		704
1997 JF_{14}	1997 05 01.29409	14 46 45.47	−18 55 04.4		704
1997 JF_{14}	1997 05 01.31679	14 46 44.45	−18 54 50.7		704
1997 JF_{14}	1997 05 07.19473	14 42 32.56	−17 54 34.9		704
1997 JF_{14}	1997 05 07.21556	14 42 31.65	−17 54 22.0		704
1997 JF_{14}	1997 05 07.23639	14 42 30.73	−17 54 08.7		704
1997 JF_{14}	1997 05 07.25723	14 42 29.81	−17 53 56.0		704
1997 JF_{14}	1997 05 07.27806	14 42 28.81	−17 53 42.6		704
1997 JG_{14}	* 1997 05 01.22671	14 46 53.61	−18 56 59.6	19.2	704
1997 JG_{14}	1997 05 01.24916	14 46 52.18	−18 56 58.1	19.9	704
1997 JG_{14}	1997 05 01.29409	14 46 49.62	−18 56 52.6	19.4	704
1997 JG_{14}	1997 05 01.31679	14 46 48.33	−18 56 49.9	19.6	704
1997 JG_{14}	1997 05 07.18897	14 41 18.15	−18 45 07.9	18.9	704
1997 JG_{14}	1997 05 07.20980	14 41 16.87	−18 45 05.5		704
1997 JG_{14}	1997 05 07.25147	14 41 14.38	−18 45 00.4		704

1997 JG_{14}		1997 05 07.27230	14 41 13.27	−18 44 57.5	19.2	704	6612 P-L	1997 05 07.37987	15 03 25.67	−11 42 09.8		704
1997 JH_{14}	*	1997 05 01.22671	14 47 06.43	−18 54 58.2		704	4178 T-1	1997 05 07.20270	14 51 51.48	−14 50 51.5		704
1997 JH_{14}		1997 05 01.24916	14 47 05.00	−18 54 56.5	18.4	704	4178 T-1	1997 05 07.24437	14 51 49.00	−14 50 47.3		704
1997 JH_{14}		1997 05 01.27159	14 47 03.60	−18 54 55.0	18.2	704	4178 T-1	1997 05 07.26520	14 51 47.67	−14 50 46.3		704
1997 JH_{14}		1997 05 01.29409	14 47 02.11	−18 54 53.4	18.7	704	4178 T-1	1997 05 07.28604	14 51 46.44	−14 50 44.2		704
1997 JH_{14}		1997 05 01.31679	14 47 00.68	−18 54 51.6	18.2	704	1041 T-2	1997 05 07.19318	14 44 11.88	−13 30 13.3	18.4	704
1997 JH_{14}		1997 05 07.18897	14 41 01.07	−18 45 36.5		704	1041 T-2	1997 05 07.21401	14 44 10.86	−13 30 08.5		704
1997 JH_{14}		1997 05 07.20980	14 40 59.72	−18 45 34.3		704	1041 T-2	1997 05 07.23484	14 44 09.79	−13 30 02.8		704
1997 JH_{14}		1997 05 07.25147	14 40 57.01	−18 45 30.0		704	1041 T-2	1997 05 07.27651	14 44 07.67	−13 29 51.2	18.7	704
1997 JH_{14}		1997 05 07.27230	14 40 55.64	−18 45 28.1		704	1102 T-2	1997 05 07.30772	15 00 22.13	−15 51 23.4	19.2	704
1997 JJ_{14}		1997 04 11.35240	15 04 42.18	−13 25 45.5	20.3	704	1102 T-2	1997 05 07.32332	15 00 21.33	−15 51 20.0	19.0	704
1997 JJ_{14}		1997 04 11.41034	15 04 40.18	−13 25 32.0		704	1102 T-2	1997 05 07.34068	15 00 20.38	−15 51 14.5	19.4	704
1997 JJ_{14}	*	1997 05 01.25172	14 49 41.75	−11 51 09.5	19.5	704	1102 T-2	1997 05 07.35805	15 00 19.60	−15 51 12.3	19.4	704
1997 JJ_{14}		1997 05 01.27414	14 49 40.50	−11 51 01.0	19.3	704	4197 T-3	1997 05 07.20337	14 51 45.82	−13 16 49.8	19.4	704
1997 JJ_{14}		1997 05 01.29666	14 49 39.23	−11 50 54.2	19.9	704	4197 T-3	1997 05 07.24504	14 51 43.42	−13 16 42.7	19.2	704
1997 JJ_{14}		1997 05 01.32014	14 49 37.76	−11 50 47.7	19.4	704	4197 T-3	1997 05 07.26587	14 51 42.14	−13 16 39.9		704
1997 JJ_{14}		1997 05 07.19229	14 44 10.66	−11 21 21.8	19.3	704	4197 T-3	1997 05 07.28670	14 51 40.96	−13 16 35.8		704
1997 JJ_{14}		1997 05 07.21312	14 44 09.44	−11 21 16.5		704	(76)	1997 05 07.19362	14 43 53.62	−14 51 04.9		704
1997 JJ_{14}		1997 05 07.23395	14 44 08.24	−11 21 09.1		704	(76)	1997 05 07.21445	14 43 52.58	−14 51 00.1		704
1997 JJ_{14}		1997 05 07.25479	14 44 06.99	−11 21 03.7	19.7	704	(76)	1997 05 07.23528	14 43 51.77	−14 50 55.7		704
1997 JJ_{14}		1997 05 07.27562	14 44 05.72	−11 20 57.4	19.7	704	(76)	1997 05 07.25612	14 43 50.89	−14 50 49.6		704
1997 JK_{14}	*	1997 05 05.33078	14 29 12.23	−18 00 56.4		704	(76)	1997 05 07.27695	14 43 49.83	−14 50 46.2		704
1997 JK_{14}		1997 05 05.34814	14 29 11.39	−18 00 27.1	18.8	704	(302)	1997 05 07.18874	14 42 06.85	−19 12 42.7		704
1997 JK_{14}		1997 05 05.36551	14 29 10.61	−17 59 57.6	18.8	704	(302)	1997 05 07.20958	14 42 05.75	−19 12 38.2		704
1997 JK_{14}		1997 05 05.38287	14 29 09.81	−17 59 28.3	19.0	704	(302)	1997 05 07.27208	14 42 01.66	−19 12 25.1		704
1997 JK_{14}		1997 05 05.40023	14 29 08.99	−17 58 58.9	19.0	704	(345)	1997 05 07.19118	14 40 25.35	−12 18 53.9		704
1997 JK_{14}		1997 05 07.18808	14 27 54.17	−17 08 31.7	18.5	704	(345)	1997 05 07.21201	14 40 24.14	−12 18 40.1		704
1997 JK_{14}		1997 05 07.20891	14 27 53.20	−17 07 56.8	19.0	704	(345)	1997 05 07.23285	14 40 22.96	−12 18 29.5		704
1997 JK_{14}		1997 05 07.25058	14 27 51.33	−17 06 47.1		704	(345)	1997 05 07.25368	14 40 21.82	−12 18 17.3		704
1997 JK_{14}		1997 05 07.27141	14 27 50.38	−17 06 11.0		704	(345)	1997 05 07.27451	14 40 20.55	−12 18 07.9		704
1997 JR_{16}	*	1997 05 01.21599	14 33 56.96	−16 10 55.9	18.7	704	(832)	1997 05 07.18985	14 39 55.02	−16 22 18.0		704
1997 JR_{16}		1997 05 01.23842	14 33 55.71	−16 10 50.8	19.3	704	(832)	1997 05 07.21068	14 39 53.94	−16 22 13.1		704
1997 JR_{16}		1997 05 01.26085	14 33 54.58	−16 10 46.4	19.4	704	(832)	1997 05 07.23152	14 39 52.90	−16 22 08.0		704
1997 JR_{16}		1997 05 01.28333	14 33 53.35	−16 10 41.2	18.9	704	(832)	1997 05 07.25235	14 39 51.82	−16 22 02.9		704
1997 JR_{16}		1997 05 01.30585	14 33 52.15	−16 10 36.8	19.2	704	(832)	1997 05 07.27318	14 39 50.73	−16 21 57.3		704
2785 P-L		1997 05 07.20559	14 54 17.28	−13 59 18.2	19.4	704	(1633)	1997 05 07.19871	14 48 35.74	−12 08 24.8		704
2785 P-L		1997 05 07.24725	14 54 14.72	−13 59 09.7		704	(1633)	1997 05 07.21955	14 48 34.74	−12 08 20.8		704
2785 P-L		1997 05 07.26809	14 54 13.54	−13 59 04.2		704	(1633)	1997 05 07.24038	14 48 33.72	−12 08 16.9		704
2785 P-L		1997 05 07.28892	14 54 12.18	−13 58 58.6		704	(1633)	1997 05 07.26122	14 48 32.72	−12 08 13.3		704
6186 P-L		1997 05 07.30663	14 58 31.40	−11 59 46.8	18.4	704	(1633)	1997 05 07.28205	14 48 31.68	−12 08 09.1		704
6186 P-L		1997 05 07.32197	14 58 30.52	−11 59 39.6		704	(2193)	1997 05 07.20115	14 47 55.03	−19 01 46.6		704
6186 P-L		1997 05 07.33934	14 58 29.45	−11 59 30.9	18.7	704	(2193)	1997 05 07.22198	14 47 53.87	−19 01 46.3		704
6186 P-L		1997 05 07.35670	14 58 28.41	−11 59 22.7		704	(2193)	1997 05 07.24282	14 47 52.71	−19 01 46.1		704
6186 P-L		1997 05 07.37406	14 58 27.38	−11 59 13.2		704	(2193)	1997 05 07.26365	14 47 51.55	−19 01 46.0		704
6585 P-L		1997 05 07.20537	14 54 32.96	−13 06 54.6	19.5	704	(2193)	1997 05 07.28448	14 47 50.32	−19 01 46.1		704
6585 P-L		1997 05 07.24703	14 54 30.93	−13 06 45.0	19.6	704	(2263)	1997 05 07.20559	14 52 49.35	−13 43 33.4		704
6585 P-L		1997 05 07.26787	14 54 29.87	−13 06 40.7	19.4	704	(2263)	1997 05 07.22642	14 52 48.24	−13 43 32.3		704
6585 P-L		1997 05 07.28870	14 54 28.82	−13 06 34.9	19.9	704	(2263)	1997 05 07.24725	14 52 47.14	−13 43 30.8		704
6612 P-L		1997 05 07.31103	15 03 29.52	−11 42 30.5		704	(2263)	1997 05 07.26809	14 52 46.07	−13 43 29.1		704
6612 P-L		1997 05 07.32737	15 03 28.61	−11 42 25.4		704	(2263)	1997 05 07.28892	14 52 44.90	−13 43 28.1		704
6612 P-L		1997 05 07.34473	15 03 27.65	−11 42 20.3		704	(2327)	1997 05 07.19805	14 46 38.93	−10 56 38.4	18.2	704
6612 P-L		1997 05 07.36209	15 03 26.66	−11 42 15.2		704	(2327)	1997 05 07.21888	14 46 37.58	−10 56 31.6		704

(2327)	1997 05 07.23972	14 46 36.45	−10 56 24.6	17.8	704
(2327)	1997 05 07.26055	14 46 35.19	−10 56 18.9		704
(2327)	1997 05 07.28138	14 46 33.98	−10 56 11.9		704
(2757)	1997 05 07.18985	14 42 04.91	−16 16 54.7		704
(2757)	1997 05 07.21068	14 42 03.94	−16 16 50.7		704
(2757)	1997 05 07.23152	14 42 02.98	−16 16 47.2		704
(2757)	1997 05 07.25235	14 42 02.02	−16 16 41.6		704
(2757)	1997 05 07.27318	14 42 01.05	−16 16 38.8		704
(2781)	1997 05 07.30819	15 01 20.27	−13 53 37.8		704
(2781)	1997 05 07.32390	15 01 19.55	−13 53 34.3		704
(2781)	1997 05 07.34138	15 01 18.76	−13 53 31.3		704
(2781)	1997 05 07.35862	15 01 17.96	−13 53 27.7		704
(2781)	1997 05 07.37598	15 01 17.16	−13 53 24.4		704
(2859)	1997 05 07.31322	15 05 17.37	−11 20 38.4		704
(2859)	1997 05 07.33008	15 05 16.29	−11 20 33.2		704
(2859)	1997 05 07.34744	15 05 15.21	−11 20 27.6		704
(2859)	1997 05 07.36480	15 05 14.11	−11 20 22.2		704
(2859)	1997 05 07.38307	15 05 12.99	−11 20 16.3		704
(3507)	1997 05 07.30133	14 54 44.39	−13 04 14.4		704
(3507)	1997 05 07.31869	14 54 43.49	−13 04 11.2		704
(3507)	1997 05 07.33605	14 54 42.66	−13 04 08.6		704
(3507)	1997 05 07.35342	14 54 41.76	−13 04 05.4		704
(3507)	1997 05 07.37078	14 54 40.90	−13 04 02.6		704
(3804)	1997 05 07.19561	14 45 20.24	−17 21 14.3		704
(3804)	1997 05 07.21645	14 45 19.13	−17 21 10.2		704
(3804)	1997 05 07.23728	14 45 18.03	−17 21 06.4		704
(3804)	1997 05 07.25811	14 45 16.92	−17 21 02.7		704
(3804)	1997 05 07.27895	14 45 15.83	−17 20 58.6		704
(3899)	1997 05 07.31638	15 07 11.71	−15 17 45.7		704
(3899)	1997 05 07.33385	15 07 10.89	−15 17 42.9		704
(3899)	1997 05 07.35110	15 07 10.10	−15 17 40.0		704
(3899)	1997 05 07.36846	15 07 09.30	−15 17 37.2		704
(3996)	1997 05 07.31149	15 03 02.49	−13 59 46.6		704
(3996)	1997 05 07.32795	15 03 01.46	−13 59 43.4		704
(3996)	1997 05 07.34531	15 03 00.38	−13 59 40.4		704
(3996)	1997 05 07.36267	15 02 59.29	−13 59 37.1		704
(3996)	1997 05 07.38035	15 02 58.18	−13 59 33.7		704
(4036)	1997 05 07.30913	15 00 49.74	−09 58 19.7		704
(4036)	1997 05 07.32506	15 00 48.92	−09 58 15.5		704
(4036)	1997 05 07.34242	15 00 48.02	−09 58 11.3		704
(4036)	1997 05 07.35978	15 00 47.11	−09 58 06.9		704
(4036)	1997 05 07.37737	15 00 46.18	−09 58 02.4		704
(4045)	1997 05 07.18985	14 39 51.28	−15 59 28.1		704
(4045)	1997 05 07.21068	14 39 50.35	−15 59 17.3		704
(4045)	1997 05 07.23152	14 39 49.54	−15 59 06.1		704
(4045)	1997 05 07.25235	14 39 48.49	−15 58 55.2		704
(4045)	1997 05 07.27318	14 39 47.57	−15 58 44.5		704
(4136)	1997 05 07.31322	15 06 20.99	−11 10 02.3		704
(4136)	1997 05 07.33008	15 06 20.03	−11 09 57.5		704
(4136)	1997 05 07.34744	15 06 19.04	−11 09 52.7		704
(4136)	1997 05 07.36480	15 06 18.04	−11 09 47.9		704
(4136)	1997 05 07.38307	15 06 16.99	−11 09 42.7		704
(4229)	1997 05 07.30569	14 57 55.87	−08 31 24.7		704
(4229)	1997 05 07.32082	14 57 55.00	−08 31 19.6		704
(4229)	1997 05 07.33818	14 57 53.92	−08 31 14.3		704
(4229)	1997 05 07.35554	14 57 52.86	−08 31 09.4		704
(4229)	1997 05 07.37295	14 57 51.82	−08 31 03.6		704
(5678)	1997 05 07.20337	14 50 36.34	−12 55 58.1		704
(5678)	1997 05 07.22420	14 50 34.71	−12 56 01.0		704
(5678)	1997 05 07.24504	14 50 33.06	−12 56 07.6		704
(5678)	1997 05 07.26587	14 50 31.46	−12 56 12.8		704
(5678)	1997 05 07.28670	14 50 29.82	−12 56 17.3		704
(5679)	1997 05 07.31181	15 03 01.01	−14 58 03.1		704
(5679)	1997 05 07.32834	15 03 00.13	−14 57 59.2		704
(5679)	1997 05 07.34570	15 02 59.25	−14 57 55.0		704
(5679)	1997 05 07.36306	15 02 58.36	−14 57 50.3		704
(5679)	1997 05 07.38067	15 02 57.46	−14 57 46.2		704
(5694)	1997 05 07.18963	14 41 41.81	−16 54 11.8		704
(5694)	1997 05 07.21046	14 41 40.72	−16 54 00.0		704
(5694)	1997 05 07.23130	14 41 39.60	−16 53 48.0		704
(5694)	1997 05 07.25213	14 41 38.45	−16 53 35.2		704
(5694)	1997 05 07.27296	14 41 37.31	−16 53 23.9		704
(5709)	1997 05 07.30881	15 01 24.14	−11 34 04.3		704
(5709)	1997 05 07.32468	15 01 23.41	−11 34 00.9		704
(5709)	1997 05 07.34204	15 01 22.58	−11 33 57.9		704
(5709)	1997 05 07.35940	15 01 21.73	−11 33 55.3		704
(5709)	1997 05 07.37706	15 01 20.90	−11 33 51.3		704
(6050)	1997 05 07.33027	15 05 43.44	−10 31 07.7		704
(6050)	1997 05 07.34763	15 05 42.30	−10 31 03.9		704
(6050)	1997 05 07.36499	15 05 41.14	−10 30 59.9		704
(6050)	1997 05 07.38324	15 05 39.84	−10 30 55.5		704
(6070)	1997 05 07.19273	14 44 01.34	−12 34 27.4	18.1	704
(6070)	1997 05 07.21357	14 44 00.09	−12 34 22.0		704
(6070)	1997 05 07.23440	14 43 58.87	−12 34 18.7		704
(6070)	1997 05 07.25523	14 43 57.57	−12 34 14.0		704
(6070)	1997 05 07.27607	14 43 56.29	−12 34 08.7	18.3	704
(6074)	1997 05 07.18941	14 41 56.77	−17 37 29.2		704
(6074)	1997 05 07.21024	14 41 55.46	−17 37 23.0		704
(6074)	1997 05 07.23108	14 41 54.08	−17 37 16.8		704
(6074)	1997 05 07.25191	14 41 52.79	−17 37 10.2		704
(6074)	1997 05 07.27274	14 41 51.49	−17 37 04.1		704
(6111)	1997 05 07.30866	15 00 53.01	−12 15 09.3		704
(6111)	1997 05 07.32448	15 00 52.06	−12 15 05.8		704
(6111)	1997 05 07.34185	15 00 51.07	−12 15 02.3		704
(6111)	1997 05 07.35920	15 00 50.01	−12 14 59.0		704
(6111)	1997 05 07.37656	15 00 49.02	−12 14 55.2		704
(6778)	1997 05 07.19185	14 40 15.47	−10 45 12.7		704
(6778)	1997 05 07.21268	14 40 14.37	−10 45 08.1		704
(6778)	1997 05 07.23351	14 40 13.33	−10 45 03.8		704
(6778)	1997 05 07.25435	14 40 12.27	−10 45 00.1		704
(6778)	1997 05 07.27518	14 40 11.20	−10 44 55.4		704
(6881)	1997 05 07.19960	14 49 35.03	−14 11 06.4	18.0	704
(6881)	1997 05 07.24127	14 49 32.82	−14 10 58.8		704
(6881)	1997 05 07.26210	14 49 31.74	−14 10 56.2		704

(6881)	1997 05 07.28293	14 49 30.67	−14 10 52.5				704
(6958)	1997 05 07.31103	15 02 31.84	−12 06 10.7				704
(6958)	1997 05 07.32737	15 02 31.07	−12 06 04.8				704
(6958)	1997 05 07.34473	15 02 30.24	−12 05 58.1				704
(6958)	1997 05 07.36209	15 02 29.41	−12 05 51.7				704
(6958)	1997 05 07.37987	15 02 28.59	−12 05 44.8				704
(7477)	1997 05 07.20071	14 48 54.54	−17 17 50.6				704
(7477)	1997 05 07.22155	14 48 53.45	−17 17 37.4				704
(7477)	1997 05 07.24238	14 48 52.48	−17 17 22.6				704
(7477)	1997 05 07.26321	14 48 51.27	−17 17 13.3				704
(7477)	1997 05 07.28405	14 48 50.24	−17 16 58.9				704
(7601)	1997 05 07.19539	14 46 04.33	−17 52 28.8				704
(7601)	1997 05 07.21623	14 46 02.89	−17 52 31.0				704
(7601)	1997 05 07.23706	14 46 01.42	−17 52 32.7				704
(7601)	1997 05 07.25789	14 46 00.00	−17 52 35.0				704
(7601)	1997 05 07.27873	14 45 58.51	−17 52 36.2				704
(7689)	1997 05 07.20027	14 47 53.39	−16 15 55.0	18.6			704
(7689)	1997 05 07.22110	14 47 52.30	−16 15 49.1				704
(7689)	1997 05 07.24193	14 47 51.21	−16 15 44.5				704
(7689)	1997 05 07.26277	14 47 50.10	−16 15 39.7				704
(7689)	1997 05 07.28360	14 47 49.00	−16 15 34.2	18.9			704

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
USNO-SA1.0

1981 ER_{35}	1997 05 27.18523	12 59 11.22	−17 29 49.5	20.2	V	F	709
1981 ER_{35}	1997 05 27.19889	12 59 11.08	−17 29 46.2	20.0	V		709
1981 ER_{35}	1997 05 27.21027	12 59 10.91	−17 29 42.8	19.3	V		709
1981 ER_{35}	1997 05 27.22043	12 59 10.79	−17 29 40.2	19.6	V		709
1981 ER_{35}	1997 05 27.23073	12 59 10.65	−17 29 37.6	19.5	V		709
1981 ER_{35}	1997 05 27.24126	12 59 10.56	−17 29 35.2	20.0	V	F	709
1996 GE_{19}	1997 06 17.14199	16 32 09.95	+02 45 10.5	16.2	V		709
1996 GE_{19}	1997 06 17.14987	16 32 09.71	+02 45 11.6	16.2	V		709
1996 GE_{19}	1997 06 17.15665	16 32 09.51	+02 45 12.4	16.3	V		709
1996 GE_{19}	1997 06 17.16375	16 32 09.30	+02 45 13.3	16.2	V		709
1996 GE_{19}	1997 06 17.16997	16 32 09.12	+02 45 14.1	16.1	V		709
1997 LV_5	* 1997 06 12.31841	20 37 16.32	−18 33 12.5	19.6	V		709
1997 LV_5	1997 06 12.38416	20 37 16.72	−18 33 09.8	19.9	V		709
1997 LV_5	1997 06 12.40616	20 37 16.85	−18 33 08.7	20.0	V		709
1997 LV_5	1997 06 12.42862	20 37 16.99	−18 33 07.8	19.6	V		709
1997 LV_5	1997 06 13.32420	20 37 23.85	−18 32 25.9	20.1	V		709
1997 LV_5	1997 06 13.41538	20 37 24.17	−18 32 22.3	19.7	V		709
1997 LV_5	1997 06 13.43040	20 37 24.24	−18 32 21.8	19.7	V		709
1997 LV_5	1997 06 13.43742	20 37 24.25	−18 32 21.5	19.4	V		709
1997 LV_5	1997 06 13.44419	20 37 24.30	−18 32 21.3	19.3	V		709
1997 LV_5	1997 06 13.45091	20 37 24.34	−18 32 20.7	19.5	V		709
1997 LV_5	1997 06 13.45773	20 37 24.36	−18 32 20.4	19.2	V		709
1997 LV_5	1997 06 14.33618	20 37 29.43	−18 31 45.5	19.3	V		709
1997 LV_5	1997 06 14.35039	20 37 29.44	−18 31 45.1	18.9	V	I	709
1997 LV_5	1997 06 14.36472	20 37 29.42	−18 31 45.0	19.4	V	I	709
1997 LV_5	1997 06 14.37160	20 37 29.44	−18 31 44.5	19.1	V	I	709

710 Florissant
B. D. Warner, Box 818, Florissant, CO 80816, U.S.A.
[71511.515@compuserve.com]
0.25-m f/6.3 Schmidt-Cassegrain
GSC

(3310)	1997 05 31.23576	13 27 59.16	+05 38 09.4		710
(3310)	1997 06 02.14734	13 27 38.63	+05 29 32.7		710
(3310)	1997 06 02.19919	13 27 38.04	+05 29 18.3		710
(3451)	1997 05 31.23912	16 40 09.65	+06 58 09.4		710
(3451)	1997 06 02.15874	16 39 10.26	+07 01 58.6		710
(3451)	1997 06 02.20075	16 39 08.97	+07 02 02.5		710
(3668)	1997 05 31.24132	15 17 17.62	−13 37 11.1		710
(3668)	1997 06 02.16516	15 15 52.32	−13 30 13.9		710
(3668)	1997 06 02.20220	15 15 50.57	−13 30 05.9		710
(3671)	1997 05 31.24294	13 04 19.70	+21 36 10.0		710
(3671)	1997 06 02.16991	13 00 12.53	+20 28 22.2		710
(3671)	1997 06 02.20382	13 00 07.52	+20 27 06.1		710
(4107)	1997 05 31.24514	14 34 34.17	+10 58 44.2		710
(4107)	1997 06 02.17905	14 33 33.61	+10 53 29.2		710
(4107)	1997 06 02.20590	14 33 32.99	+10 53 22.8		710
(4188)	1997 05 31.24711	15 52 21.35	−10 09 21.2		710
(4188)	1997 06 02.18056	15 50 27.91	−10 06 16.2		710
(4188)	1997 06 02.20729	15 50 26.14	−10 06 15.0		710
(4190)	1997 05 31.24931	16 35 01.33	−04 37 40.2		710
(4190)	1997 06 02.18247	16 33 20.62	−04 25 31.1		710
(4190)	1997 06 02.20874	16 33 19.20	−04 25 21.9		710
(4191)	1997 05 31.25139	14 05 31.17	−13 54 42.5		710
(4191)	1997 06 02.18611	14 04 58.69	−13 39 14.6	w	710
(4191)	1997 06 02.21059	14 04 58.26	−13 39 02.6	W	710
(4514)	1997 05 03.23981	13 24 10.70	+07 17 50.3	I	710
(4514)	1997 05 03.27674	13 24 09.23	+07 17 49.3		710
(4514)	1997 05 11.18542	13 19 48.19	+06 59 44.3		710
(4548)	1997 05 03.24184	13 44 15.51	−13 23 51.6	V	710
(4548)	1997 05 03.27882	13 44 13.23	−13 23 50.0		710
(4548)	1997 05 11.18889	13 36 45.72	−13 20 44.2		710
(4556)	1997 05 31.25312	15 56 30.13	−13 50 51.0		710
(4556)	1997 06 02.18767	15 54 31.85	−13 49 18.5		710
(4556)	1997 06 02.21238	15 54 30.26	−13 49 16.4		710
(4575)	1997 05 28.14097	15 36 06.55	−02 21 00.7		710
(4575)	1997 05 28.17083	15 36 05.11	−02 20 58.8		710
(4575)	1997 05 31.20694	15 33 52.79	−02 18 07.0		710
(4612)	1997 05 03.24416	14 28 04.04	+01 27 55.9		710
(4612)	1997 05 03.28079	14 28 01.91	+01 27 58.3		710
(4612)	1997 05 11.19525	14 21 07.61	+01 32 47.8		710
(4747)	1997 05 03.28287	14 29 45.46	−07 32 42.5		710
(4747)	1997 05 11.19850	14 23 17.48	−07 23 46.9		710
(5016)	1997 05 31.25729	15 53 05.05	−14 07 16.6	V	710
(5016)	1997 06 02.18947	15 51 19.51	−14 00 00.4		710
(5016)	1997 06 02.21435	15 51 18.10	−13 59 56.2		710
(5064)	1997 05 03.24873	12 59 12.10	+03 39 37.8		710
(5064)	1997 05 03.28495	12 59 10.66	+03 39 47.8		710
(5064)	1997 05 11.17986	12 55 11.89	+04 06 35.0		710

(5182)	1997 05 28.14410	16 22 37.65	+05 56 27.3		710
(5182)	1997 05 28.17257	16 22 36.10	+05 56 27.8		710
(5182)	1997 05 31.17610	16 19 57.36	+05 55 30.9		710
(5182)	1997 05 31.20961	16 19 55.55	+05 55 28.9		710
(5232)	1997 05 31.25995	16 57 38.81	−01 48 24.3		710
(5232)	1997 06 02.19103	16 56 07.17	−01 43 42.3		710
(5232)	1997 06 02.21829	16 56 05.86	−01 43 38.9		710
(5262)	1997 05 02.11887	13 03 40.49	+18 15 00.0		710
(5262)	1997 05 02.14682	13 03 39.45	+18 14 55.9		710
(5262)	1997 05 03.16858	13 03 04.88	+18 10 16.9		710
(5262)	1997 05 03.20243	13 03 03.74	+18 10 07.1		710
(5263)	1997 05 03.25642	13 19 56.35	−15 08 19.3		710
(5263)	1997 05 03.28692	13 19 55.31	−15 08 04.6		710
(5263)	1997 05 11.18333	13 15 54.66	−14 04 47.3		710
(5281)	1997 05 28.14902	14 52 46.95	−01 06 27.4		710
(5281)	1997 05 28.17465	14 52 45.91	−01 06 27.8		710
(5281)	1997 05 31.17899	14 50 50.86	−01 06 46.0		710
(5281)	1997 05 31.21111	14 50 49.76	−01 06 45.7	V	710
(5295)	1997 05 02.12622	12 32 58.93	+05 25 27.4	W	710
(5295)	1997 05 02.14977	12 32 58.20	+05 25 28.3	W	710
(5295)	1997 05 03.17078	12 32 32.04	+05 25 09.4		710
(5295)	1997 05 03.20422	12 32 31.16	+05 25 08.2		710
(5296)	1997 05 28.15347	13 37 41.69	−06 20 28.7		710
(5296)	1997 05 28.17656	13 37 41.20	−06 20 29.8		710
(5296)	1997 05 31.18999	13 36 55.70	−06 20 34.1	V	710
(5296)	1997 05 31.21302	13 36 55.37	−06 20 32.8		710
(5392)	1997 05 03.25891	14 08 14.88	+05 58 41.2		710
(5392)	1997 05 03.28889	14 08 12.26	+05 58 06.1		710
(5392)	1997 05 11.19340	13 57 58.41	+03 20 40.8		710
(5480)	1997 05 03.26088	12 27 52.65	+06 34 35.6		710
(5480)	1997 05 03.29097	12 27 51.86	+06 34 37.1		710
(5480)	1997 05 11.17419	12 25 11.82	+06 37 55.3		710
(5517)	1997 04 28.14288	12 11 13.51	+22 41 40.3		710
(5517)	1997 04 28.16453	12 11 12.92	+22 41 32.7		710
(5517)	1997 05 02.12870	12 09 51.16	+22 14 09.2		710
(5517)	1997 05 02.15179	12 09 50.62	+22 13 58.6		710
(5517)	1997 05 03.17477	12 09 33.76	+22 06 15.6		710
(5517)	1997 05 03.20642	12 09 33.25	+22 06 01.2		710
(5559)	1997 04 28.15110	12 53 20.77	+15 04 25.6		710
(5559)	1997 04 28.16927	12 53 19.89	+15 04 23.5		710
(5559)	1997 05 02.13177	12 50 24.11	+14 53 39.6		710
(5559)	1997 05 02.15376	12 50 23.16	+14 53 35.0		710
(5559)	1997 05 03.17743	12 49 41.55	+14 49 55.5		710
(5559)	1997 05 03.20833	12 49 40.23	+14 49 48.6		710
(5574)	1997 05 02.13426	12 27 08.19	+15 00 50.0		710
(5574)	1997 05 02.15550	12 27 07.65	+15 00 50.7		710
(5574)	1997 05 03.17998	12 26 49.16	+15 01 09.4		710
(5574)	1997 05 03.21024	12 26 48.63	+15 01 09.6		710
(5757)	1997 05 28.15573	14 00 05.82	−15 09 57.2		710
(5757)	1997 05 28.17865	14 00 04.90	−15 09 59.2		710
(5757)	1997 05 31.19207	13 58 17.02	−15 15 25.4		710
(5757)	1997 05 31.21580	13 58 16.22	−15 15 28.1		710
(6018)	1997 05 03.18212	12 33 50.03	+07 09 18.2		710
(6018)	1997 05 03.21233	12 33 49.28	+07 09 20.5		710
(6018)	1997 05 11.17569	12 31 58.04	+07 06 32.4		710
(6129)	1997 04 28.14815	11 17 13.26	−05 44 13.0		710
(6129)	1997 04 28.16667	11 17 13.07	−05 44 10.1		710
(6129)	1997 05 02.14022	11 17 00.80	−05 33 09.4		710
(6129)	1997 05 02.15966	11 17 00.65	−05 33 06.7		710
(6129)	1997 05 03.18438	11 17 01.79	−05 30 36.1		710
(6129)	1997 05 03.21453	11 17 01.73	−05 30 32.0		710
(6136)	1997 05 03.26372	12 08 23.42	+12 34 09.3		710
(6136)	1997 05 03.29340	12 08 23.00	+12 34 08.6		710
(6136)	1997 05 11.17049	12 06 53.00	+12 29 11.5		710
(6142)	1997 05 03.26655	13 57 44.52	−09 13 10.0		710
(6142)	1997 05 03.29554	13 57 43.07	−09 12 59.9		710
(6142)	1997 05 11.19080	13 51 56.62	−08 30 36.1	I	710
(6142)	1997 05 28.15747	13 44 25.75	−07 34 58.4	V	710
(6142)	1997 05 28.18056	13 44 25.57	−07 34 57.3		710
(6142)	1997 05 31.19392	13 43 56.57	−07 31 03.8	V	710
(6142)	1997 05 31.22002	13 43 56.52	−07 31 00.8		710
(6146)	1997 05 02.14213	12 18 05.94	+00 28 07.6		710
(6146)	1997 05 02.16204	12 18 05.49	+00 28 09.0	W	710
(6146)	1997 05 03.18681	12 17 27.55	+00 29 42.7		710
(6146)	1997 05 03.21667	12 17 26.51	+00 29 44.7		710
(6231)	1997 05 03.26921	14 56 07.15	−00 59 39.4		710
(6231)	1997 05 03.29769	14 56 05.67	−00 59 27.6		710
(6231)	1997 05 11.20023	14 49 37.68	−00 13 08.7		710
(6425)	1997 05 28.16007	15 37 49.06	−07 14 49.3		710
(6425)	1997 05 28.18247	15 37 47.85	−07 14 38.9		710
(6425)	1997 05 31.19687	15 35 11.96	−06 52 16.8	V	710
(6425)	1997 05 31.22442	15 35 10.34	−06 52 04.8		710
(6664)	1997 05 11.18692	13 30 49.09	−08 47 56.0		710
(6713)	1997 05 03.27431	14 16 24.53	−07 55 08.0		710
(6713)	1997 05 03.29983	14 16 23.27	−07 54 42.5	E	710
(6713)	1997 05 11.20174	14 10 26.83	−05 54 42.6		710
(6724)	1997 05 02.14514	13 21 22.63	+06 28 13.7		710
(6724)	1997 05 02.16389	13 21 21.86	+06 28 15.0		710
(6724)	1997 05 03.18877	13 20 43.21	+06 28 46.7		710
(6724)	1997 05 03.21840	13 20 42.11	+06 28 47.0		710
(6759)	1997 05 28.16233	15 04 58.62	−03 05 24.8		710
(6759)	1997 05 28.18438	15 04 57.74	−03 05 25.1		710
(6759)	1997 05 31.19965	15 03 11.06	−03 07 09.4		710
(6759)	1997 05 31.22639	15 03 09.98	−03 07 12.2	V	710
(6764)	1997 05 02.16672	11 28 45.85	+04 33 49.2		710
(6764)	1997 05 02.18472	11 28 45.45	+04 33 41.3		710
(6764)	1997 05 03.19068	11 28 36.74	+04 30 01.5		710
(6764)	1997 05 03.22049	11 28 36.45	+04 29 54.3		710
(6779)	1997 05 03.19271	12 19 49.52	−05 27 29.3		710
(6779)	1997 05 03.22234	12 19 48.76	−05 27 26.9		710
(6823)	1997 05 28.16493	15 55 26.12	−08 57 02.7		710
(6823)	1997 05 28.18646	15 55 24.88	−08 57 04.9		710
(6823)	1997 05 31.20150	15 52 28.00	−09 03 16.2		710
(6823)	1997 05 31.22899	15 52 26.37	−09 03 20.0		710

(6833)	1997 05 03.19549	11 16 30.12	−02 36 10.2		710
(6833)	1997 05 03.22465	11 16 30.38	−02 35 57.5		710
(6833)	1997 05 11.16516	11 18 58.78	−01 46 01.9		710
(6898)	1997 05 28.16719	15 55 20.47	−05 27 48.1		710
(6898)	1997 05 28.18854	15 55 19.23	−05 27 53.5		710
(6898)	1997 05 31.20347	15 52 29.37	−05 41 11.6		710
(6898)	1997 05 31.23090	15 52 27.77	−05 41 19.6		710
(6905)	1997 05 03.19757	13 18 54.22	−00 11 27.5		710
(6905)	1997 05 03.22674	13 18 52.70	−00 11 26.6		710
(6905)	1997 05 11.18166	13 12 48.96	−00 12 40.5		710
(6937)	1997 05 03.19988	12 35 34.60	−04 33 49.2		710
(6937)	1997 05 03.22882	12 35 34.02	−04 33 38.9		710
(6937)	1997 05 11.17760	12 33 19.81	−03 51 03.4		710

711 McDonald Observatory
A. L. Cochran, McDonald Observatory, University of Texas, Austin, TX 78712, U.S.A. [anita@zinfandel.as.utexas.edu]
Observer A. L. Cochran
2.7-m Harlan Smith Telescope + Imaging Grism Instrument + CCD
GSC 1.1 + DSS

1993 FW	1997 06 03.19959	12 44 24.88	−04 00 55.7		711
1993 FW	1997 06 03.21584	12 44 24.83	−04 00 56.1		711
1993 FW	1997 06 03.22380	12 44 24.83	−04 00 56.0		711
1993 FW	1997 06 03.26639	12 44 24.71	−04 00 55.7		711
1993 FW	1997 06 04.18217	12 44 23.24	−04 00 44.9		711
1993 FW	1997 06 04.25277	12 44 23.10	−04 00 43.9		711
1994 EV_3	1997 06 03.23343	13 18 18.54	−08 21 07.7		711
1994 EV_3	1997 06 03.24113	13 18 18.69	−08 21 09.7		711
1994 EV_3	1997 06 04.21633	13 18 16.24	−08 20 53.3		711
1994 EV_3	1997 06 04.23987	13 18 16.23	−08 20 52.8		711
1994 EV_3	1997 06 04.28622	13 18 16.18	−08 20 53.4		711
1994 EV_3	1997 06 04.29476	13 18 16.04	−08 20 52.4		711
1994 JS	1997 06 03.31442	15 55 45.56	−21 46 43.7		711
1994 JS	1997 06 03.32236	15 55 45.44	−21 46 44.4		711
1994 JS	1997 06 04.30804	15 55 39.86	−21 46 30.6		711

732 Oaxaca
J. Roe, Apdo. No. 221, MX-68000 Oaxaca, Mexico [jamesroe@antequera.com]
0.20-m $f/7.4$ reflector + CCD
GSC

(1388)	1997 06 13.26997	19 24 06.95	−34 00 05.7	16.0	R	732
(1388)	1997 06 13.27524	19 24 06.77	−34 00 07.5	16.0	R	732
(1388)	1997 06 13.27988	19 24 06.65	−34 00 09.7	16.2	R	732
(1388)	1997 06 14.22274	19 23 30.13	−34 06 03.0	15.9	R	732
(1388)	1997 06 14.22975	19 23 29.83	−34 06 05.5	16.0	R	732
(1388)	1997 06 14.23648	19 23 29.56	−34 06 08.2	15.7	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]
Observers W. G. Dillon, R. Pepper, F. Smith, P. Comba, J. Sutton
Measurers W. G. Dillon, K. Rivich, P. Comba
0.46-m reflector + CCD
GSC

1997 GY_3	1997 04 29.13935	12 58 43.47	−12 00 36.0		V	735
1997 GY_3	1997 04 29.17535	12 58 41.76	−12 00 33.0	20.4 R	V	735
1997 LD_4	* 1997 06 04.13403	16 10 21.28	−22 26 04.6	18.9 R		735
1997 LD_4	1997 06 04.15833	16 10 19.20	−22 26 24.4	19.3 R		735
1997 LD_4	1997 06 10.18333	16 01 53.96	−23 37 50.0	19.9 R		735
1997 LD_4	1997 06 10.19653	16 01 52.71	−23 37 58.7	19.8 R		735
(4036)	1997 05 04.28889	15 03 23.52	−10 11 15.8	17.9 R		735
(4036)	1997 05 04.30000	15 03 22.92	−10 11 12.9	17.9 R		735
(4036)	1997 05 04.31250	15 03 22.25	−10 11 09.4	18.0 R		735
(5324)	1997 04 30.14271	12 44 50.80	−29 55 11.1	18.4 R		735
(5324)	1997 04 30.15764	12 44 49.35	−29 55 10.9	18.3 R		735
(5324)	1997 04 30.16840	12 44 48.15	−29 55 10.8	18.3 R		735
(5324)	1997 05 04.24583	12 37 46.85	−29 51 21.3	18.6 R		735
(5324)	1997 05 04.25972	12 37 45.39	−29 51 20.0	18.7 R		735
(5324)	1997 05 04.26944	12 37 44.38	−29 51 19.2	18.6 R		735

784 Alfred University Observatory
D. R. DeGraff, Physics and Astronomy, Alfred University, Alfred, NY 14803, U.S.A. [david@merlin.alfred.edu]
0.81-m $f/4$ reflector + CCD
GSC

1997 GL_3	1997 04 30.09879	13 11 17.04	+00 02 58.3	18.4	784
1997 GL_3	1997 04 30.19566	13 11 13.75	+00 03 07.5	18.3	784
1997 GL_3	1997 04 30.20035	13 11 13.59	+00 03 08.0	18.4	784
1997 GL_3	1997 05 05.09133	13 09 46.92	+00 05 08.4	18.8	784
1997 GL_3	1997 05 05.09566	13 09 46.86	+00 05 08.3	19.1	784
1997 GL_3	1997 05 05.20208	13 09 45.21	+00 05 04.7	19.4	784

801 Oak Ridge
J. Zajac, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [jzajac@cfa.harvard.edu]
Observers J. Degnan, J. Zajac
1.5-m reflector + CCD
GSC

1981 RC_5	1997 05 08.24362	16 45 29.82	−00 59 40.0		801
1981 RC_5	1997 05 08.26211	16 45 29.14	−00 59 30.4		801
1987 RC_1	1997 04 08.18337	12 38 42.74	−03 22 47.2		801
1987 RC_1	1997 04 08.20543	12 38 41.73	−03 22 41.4		801
1989 SW_2	1997 04 09.23412	14 14 03.44	−05 00 02.7		801
1989 SW_2	1997 04 09.25355	14 14 02.54	−04 59 59.2		801
1990 VE_1	1997 05 08.14032	13 58 55.80	+09 27 15.4		801
1990 VE_1	1997 05 08.15593	13 58 55.03	+09 27 14.9		801
1991 EJ_4	1997 04 08.23481	13 41 12.89	−16 47 35.8		801
1991 EJ_4	1997 04 08.25939	13 41 11.61	−16 47 31.5		801
1992 AN	1997 05 08.21189	15 19 12.80	+17 57 53.5		801
1992 AN	1997 05 08.22865	15 19 11.76	+17 57 55.9		801

807 Cerro Tololo
S. Hughes Pack, 206 Main Street, Northfield, MA 01360-1050 [hughes_pack@nmh.northfield.ma.us]

B. E. A. Mueller, Kitt Peak National Observatory, P.O. Box 26732, Tucson, AZ 85726-6732, U.S.A. [muller@noao.edu]
Observers M. J. S. Belton, B. E. A. Mueller, S. Deustua, P. Nugent, A. Kim, R. Knop
Measurers B. E. A. Mueller, W. E. Dane, S. H. Pack, D. R. Trainor, J. Lee, B. Underwood, S. Deustua, C. Pennypacker, T. Llosa-Sandor
Blanco 4-m at Prime Focus + CCD
APM

1996 XD_{37}	*	1996 12 14.25744	07 36 45.11	+09 56 58.8	23.1	R	807
1996 XD_{37}		1996 12 14.27010	07 36 44.57	+09 57 00.0	23.6	R	807
1996 XD_{37}		1996 12 15.29968	07 35 59.65	+09 57 48.5	23.3	R	807
1997 AT_{24}	*	1997 01 05.34153	10 54 09.00	−03 14 50.3	21.4	R	807
1997 AT_{24}		1997 01 05.34908	10 54 08.97	−03 14 51.4	21.6	R	807
1997 AT_{24}		1997 01 06.27354	10 54 06.43	−03 17 46.0	21.5		807
1997 AT_{24}		1997 01 06.34758	10 54 06.12	−03 18 00.0	21.4	R	807
1997 AT_{24}		1997 01 10.34787	10 53 42.21	−03 29 11.7	21.7		807
1997 AT_{24}		1997 01 10.36863	10 53 42.03	−03 29 14.9	21.7		807
1997 AU_{24}	*	1997 01 05.34153	10 54 30.10	−03 22 47.7	19.6	R	807
1997 AU_{24}		1997 01 05.34908	10 54 30.07	−03 22 48.3	19.8	R	807
1997 AU_{24}		1997 01 06.27354	10 54 25.25	−03 24 11.7	19.8	R	807
1997 AU_{24}		1997 01 06.34758	10 54 24.72	−03 24 17.8	20.0	R	807
1997 AU_{24}		1997 01 10.34787	10 53 52.88	−03 29 02.2	20.1		807
1997 AU_{24}		1997 01 10.36863	10 53 52.66	−03 29 03.3	19.9		807
(3498)		1996 08 10.99277	15 44 28.20	−15 20 51.0			807
(3498)		1996 08 10.99517	15 44 28.30	−15 20 51.4			807
(3498)		1996 08 10.99956	15 44 28.47	−15 20 52.1			807
(3498)		1996 08 11.00176	15 44 28.57	−15 20 52.3			807
(3498)		1996 08 11.00397	15 44 28.66	−15 20 52.7			807
(3498)		1996 08 11.00617	15 44 28.74	−15 20 53.0			807
(3498)		1996 08 11.00838	15 44 28.84	−15 20 53.3			807
(3498)		1996 08 11.01058	15 44 28.93	−15 20 53.6			807
(3498)		1996 08 11.01279	15 44 29.02	−15 20 54.0			807
(3498)		1996 08 11.01499	15 44 29.11	−15 20 54.3			807
(3498)		1996 08 11.02514	15 44 29.53	−15 20 55.8			807
(3498)		1996 08 11.02735	15 44 29.62	−15 20 56.1			807
(3498)		1996 08 11.02955	15 44 29.71	−15 20 56.4			807
(3498)		1996 08 11.03177	15 44 29.80	−15 20 56.8			807
(3498)		1996 08 11.03398	15 44 29.89	−15 20 57.0			807
(3498)		1996 08 11.03620	15 44 29.98	−15 20 57.4			807
(3498)		1996 08 11.08986	15 44 32.20	−15 21 05.1			807
(3498)		1996 08 11.09206	15 44 32.29	−15 21 05.5			807
(3498)		1996 08 11.09427	15 44 32.38	−15 21 05.8			807
(3498)		1996 08 11.09649	15 44 32.47	−15 21 06.1			807
(3498)		1996 08 11.09869	15 44 32.56	−15 21 06.4			807
(3498)		1996 08 11.10088	15 44 32.65	−15 21 06.7			807
(3498)		1996 08 11.10309	15 44 32.74	−15 21 07.0			807
(3498)		1996 08 11.10529	15 44 32.84	−15 21 07.4			807
(3498)		1996 08 11.10749	15 44 32.93	−15 21 07.6			807
(3498)		1996 08 11.10971	15 44 33.02	−15 21 08.0			807

809 European Southern Observatory
E. W. Elst, Observatoire Royal de Belgique, Avenue Circulaire 3, B-1180 Brussels, Belgium [elst@atmos.oma.be] (4)
C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@astro.uu.se] (8)
G. Hahn, DLR Institute of Planetary Exploration, Rudower Chaussee 5, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de] (9)
Observers U. Carsenty, E. Elst, G. Hahn, C.-I. Lagerkvist, S. Mottola, G. Pizarro, O. Pizarro, M. Lindgren
Measurers E. W. Elst, O. Hernius, C.-I. Lagerkvist, G. Hahn
1.0-m Schmidt, 0.60-m Bochum $f/15$ reflector + CCD

1953 TD_1	1997 05 03.14931	15 20 13.15	−14 23 53.5	18.5	4	809
1953 TD_1	1997 05 03.16250	15 20 12.26	−14 23 49.1		4	809
1953 TD_1	1997 05 03.17569	15 20 11.51	−14 23 45.1		4	809
1969 TT_1	1995 08 26.29062	23 29 20.47	−06 49 34.1	16.4 V	8	809
1969 TT_1	1995 08 27.18785	23 28 42.71	−06 53 03.9	16.4 V	8	809
1969 TT_1	1995 08 29.23646	23 27 11.75	−07 01 16.3	16.8 V	8	809
1969 TT_1	1995 08 30.22986	23 26 26.04	−07 05 20.9	16.4 V	8	809
1978 SE_1	1997 04 07.23958	14 28 00.94	−05 01 22.0	18.4	4	809
1978 SE_1	1997 04 07.25278	14 28 00.32	−05 01 18.3		4	809
1978 SE_1	1997 04 07.26597	14 27 59.67	−05 01 15.5		4	809
1978 SE_1	1997 04 08.22639	14 27 14.87	−04 57 18.0		4	809
1978 SE_1	1997 04 08.23958	14 27 14.22	−04 57 13.9		4	809
1978 SE_1	1997 04 08.25278	14 27 13.64	−04 57 10.8		4	809
1978 TH_7	1997 04 07.23958	14 39 03.69	−02 44 44.5	18.5	4	809
1978 TH_7	1997 04 07.25278	14 39 03.25	−02 44 40.0		4	809
1978 TH_7	1997 04 07.26597	14 39 02.72	−02 44 36.1		4	809
1978 TH_7	1997 04 08.22639	14 38 28.03	−02 39 22.8		4	809
1978 TH_7	1997 04 08.23958	14 38 27.48	−02 39 19.2		4	809
1978 TH_7	1997 04 08.25278	14 38 26.99	−02 39 14.3		4	809
1979 KQ	1997 05 03.27222	16 08 11.41	−13 46 33.5		4	809
1979 KQ	1997 05 03.28542	16 08 10.70	−13 46 29.9		4	809
1979 KQ	1997 05 03.29861	16 08 10.13	−13 46 26.3		4	809
1979 KQ	1997 05 04.25278	16 07 29.41	−13 42 16.8	18.5	4	809
1979 KQ	1997 05 04.26597	16 07 28.80	−13 42 13.8		4	809
1979 KQ	1997 05 04.27917	16 07 28.20	−13 42 10.0		4	809
1981 EG_1	1995 09 19.20694	23 50 49.42	−03 47 11.9	16.6 V	8	809
1981 EG_1	1995 09 20.18264	23 49 57.45	−03 51 27.4	16.0 V	8	809
1981 EB_{25}	1997 04 07.23958	14 25 18.06	−05 05 37.9	18.4	4	809
1981 EB_{25}	1997 04 07.25278	14 25 17.59	−05 05 33.2		4	809
1981 EB_{25}	1997 04 07.26597	14 25 17.06	−05 05 27.6		4	809
1981 EB_{25}	1997 04 08.22639	14 24 41.60	−04 58 14.3		4	809
1981 EB_{25}	1997 04 08.23958	14 24 41.05	−04 58 07.4		4	809
1981 EB_{25}	1997 04 08.25278	14 24 40.58	−04 58 01.8		4	809
1981 EH_{25}	1995 09 20.25556	23 22 07.20	−03 38 11.2	20.1 V	8	809
1981 EZ_{25}	1995 08 27.28646	23 44 17.54	−07 05 54.9	16.9 V	8	809
1981 EZ_{25}	1995 08 31.22708	23 40 44.82	−06 57 56.2	17.3 V	8	809
1981 EZ_{25}	1995 09 20.25556	23 20 23.04	−06 14 03.6	16.3 V	8	809
1981 EZ_{25}	1995 09 22.17986	23 18 24.91	−06 09 03.1	17.0 V	8	809
1981 EZ_{25}	1995 09 29.21528	23 11 31.68	−05 48 48.7	0.0 V	8	809
1981 EQ_{31}	1995 08 19.20035	23 44 23.52	−01 20 02.1	20.4 V	8	809
1981 EQ_{31}	1995 08 20.22326	23 43 56.01	−01 24 50.4	20.0 V	8	809
1981 EQ_{31}	1995 08 22.33264	23 42 56.12	−01 35 05.6	20.6 V	8	809
1981 EQ_{31}	1995 09 18.14306	23 25 59.51	−04 16 13.0	19.1 V	8	809
1981 EQ_{31}	1995 09 18.23611	23 25 55.47	−04 16 49.5	18.6 V	8	809

1981 EQ_{31}	1995 09 19.14167	23 25 17.85	−04 22 37.6	18.3 V	8	809
1981 EQ_{31}	1995 09 20.25556	23 24 31.28	−04 29 43.7	19.4 V	8	809
1981 EQ_{31}	1995 09 22.17986	23 23 11.96	−04 41 56.2	19.3 V	8	809
1981 EQ_{31}	1995 09 22.24861	23 23 09.06	−04 42 22.4	19.5 V	8	809
1981 EQ_{31}	1995 09 24.15451	23 21 51.62	−04 54 17.1	18.4 V	8	809
1981 WS_1	1997 05 03.14931	15 32 59.21	−15 21 47.6		4	809
1981 WS_1	1997 05 03.16250	15 32 58.45	−15 21 48.0		4	809
1981 WS_1	1997 05 03.17569	15 32 57.68	−15 21 49.1		4	809
1981 WS_1	1997 05 04.16250	15 32 00.73	−15 22 10.0	18.0	4	809
1981 WS_1	1997 05 04.17569	15 31 59.97	−15 22 11.0		4	809
1981 WS_1	1997 05 04.18889	15 31 59.15	−15 22 11.1		4	809
1982 FX_3	1995 08 26.29062	23 34 17.84	−06 32 35.9	17.3 V	8	809
1982 FX_3	1995 08 27.18785	23 33 41.37	−06 35 41.8	17.3 V	8	809
1982 FX_3	1995 08 29.23646	23 32 15.92	−06 42 51.5	17.0 V	8	809
1982 FX_3	1995 08 30.22986	23 31 33.66	−06 46 23.2	17.0 V	8	809
1982 FX_3	1995 09 20.25556	23 15 43.27	−07 59 21.3	16.6 V	8	809
1985 JG_2	1997 04 11.22153	14 27 08.02	−13 01 32.2	18.0	4	809
1985 JG_2	1997 04 11.23472	14 27 07.38	−13 01 30.7		4	809
1985 JG_2	1997 04 11.24792	14 27 06.71	−13 01 30.3		4	809
1985 JG_2	1997 04 12.22639	14 26 19.80	−13 00 26.3		4	809
1985 JG_2	1997 04 12.23958	14 26 19.15	−13 00 25.7		4	809
1985 JG_2	1997 04 12.25278	14 26 18.44	−13 00 24.8		4	809
1987 SU_{17}	1997 05 03.27222	16 01 45.16	−17 02 27.2		4	809
1987 SU_{17}	1997 05 03.28542	16 01 44.44	−17 02 22.1		4	809
1987 SU_{17}	1997 05 03.29861	16 01 43.78	−17 02 18.3		4	809
1987 SU_{17}	1997 05 04.25278	16 00 57.95	−16 56 32.6	18.2	4	809
1987 SU_{17}	1997 05 04.26597	16 00 57.31	−16 56 28.0		4	809
1987 SU_{17}	1997 05 04.27917	16 00 56.58	−16 56 23.4		4	809
1988 AX_4	1997 04 07.28403	15 08 34.51	−11 17 59.3	18.4	4	809
1988 AX_4	1997 04 07.29722	15 08 34.12	−11 17 55.1		4	809
1988 AX_4	1997 04 07.31042	15 08 33.63	−11 17 51.0		4	809
1988 AX_4	1997 04 08.27014	15 08 02.09	−11 12 26.2		4	809
1988 AX_4	1997 04 08.28333	15 08 01.62	−11 12 21.9		4	809
1988 AX_4	1997 04 08.29653	15 08 01.15	−11 12 17.8		4	809
1988 QY	1997 05 03.14931	15 33 49.38	−12 28 09.4		4	809
1988 QY	1997 05 03.16250	15 33 49.04	−12 28 05.5		4	809
1988 QY	1997 05 03.17569	15 33 48.59	−12 28 01.1		4	809
1988 QY	1997 05 04.16250	15 33 18.80	−12 22 37.6	18.0	4	809
1988 QY	1997 05 04.17569	15 33 18.42	−12 22 33.3		4	809
1988 QY	1997 05 04.18889	15 33 17.98	−12 22 29.6		4	809
1988 RX_{12}	1997 04 11.22153	14 38 54.55	−10 22 42.8	18.4	4	809
1988 RX_{12}	1997 04 11.23472	14 38 54.05	−10 22 38.0		4	809
1988 RX_{12}	1997 04 11.24792	14 38 53.46	−10 22 32.8		4	809
1988 RX_{12}	1997 04 12.22639	14 38 16.41	−10 16 45.6		4	809
1988 RX_{12}	1997 04 12.23958	14 38 15.90	−10 16 40.6		4	809
1988 RX_{12}	1997 04 12.25278	14 38 15.34	−10 16 35.8		4	809
1988 VS_1	1997 04 07.28403	14 52 54.47	−11 28 44.5	18.4	4	809
1988 VS_1	1997 04 07.29722	14 52 53.86	−11 28 40.9		4	809
1988 VS_1	1997 04 07.31042	14 52 53.29	−11 28 38.0		4	809
1988 VS_1	1997 04 08.27014	14 52 12.06	−11 24 45.7		4	809
1988 VS_1	1997 04 08.28333	14 52 11.50	−11 24 42.2		4	809
1988 VS_1	1997 04 08.29653	14 52 10.90	−11 24 39.6		4	809
1988 VY_2	1997 04 07.23958	14 29 23.99	−04 33 31.0	18.2	4	809
1988 VY_2	1997 04 07.25278	14 29 23.43	−04 33 29.0		4	809
1988 VY_2	1997 04 07.26597	14 29 22.86	−04 33 27.2		4	809
1988 VY_2	1997 04 08.22639	14 28 43.43	−04 31 13.1		4	809
1988 VY_2	1997 04 08.23958	14 28 42.85	−04 31 11.5		4	809
1988 VY_2	1997 04 08.25278	14 28 42.27	−04 31 09.7		4	809
1989 AS_6	1997 04 07.28403	15 08 56.70	−12 00 51.7	18.6	4	809
1989 AS_6	1997 04 07.29722	15 08 56.19	−12 00 48.0		4	809
1989 AS_6	1997 04 07.31042	15 08 55.65	−12 00 46.0		4	809
1989 WB_3	1997 04 07.23958	14 30 46.64	−05 07 26.2	18.4	4	809
1989 WB_3	1997 04 07.25278	14 30 46.03	−05 07 23.8		4	809
1989 WB_3	1997 04 07.26597	14 30 45.45	−05 07 22.9		4	809
1989 WB_3	1997 04 08.22639	14 30 04.88	−05 04 56.2		4	809
1989 WB_3	1997 04 08.23958	14 30 04.32	−05 04 54.8		4	809
1989 WB_3	1997 04 08.25278	14 30 03.75	−05 04 53.1		4	809
1990 QE_9	1995 08 25.23229	23 56 39.88	−00 32 20.7	18.3 V	8	809
1990 QE_9	1995 08 25.30035	23 56 37.30	−00 32 35.6	17.1 V	8	809
1990 QE_9	1995 08 26.22674	23 56 05.75	−00 35 26.9	17.9 V	8	809
1990 QE_9	1995 09 01.29514	23 52 15.19	−00 56 37.7	17.6 V	8	809
1990 QE_9	1995 09 18.23611	23 39 19.85	−02 09 14.9	16.2 V	8	809
1990 QE_9	1995 09 19.14167	23 38 36.32	−02 13 21.7	17.6 V	8	809
1990 QE_9	1995 09 19.20694	23 38 32.99	−02 13 39.0	16.7 V	8	809
1990 QE_9	1995 09 20.18264	23 37 45.88	−02 18 04.9	17.0 V	8	809
1990 UK	1997 04 07.28403	15 04 06.12	−11 32 22.9	18.4	4	809
1990 UK	1997 04 07.29722	15 04 05.51	−11 32 23.6		4	809
1990 UK	1997 04 07.31042	15 04 04.99	−11 32 23.9		4	809
1990 UK	1997 04 08.27014	15 03 23.23	−11 32 37.7		4	809
1990 UK	1997 04 08.28333	15 03 22.65	−11 32 38.9		4	809
1990 UK	1997 04 08.29653	15 03 22.10	−11 32 38.4		4	809
1990 UB_4	1997 04 09.25972	14 29 04.39	−07 48 58.3	18.5	4	809
1990 UB_4	1997 04 09.27292	14 29 03.77	−07 48 51.7		4	809
1990 UB_4	1997 04 09.28611	14 29 03.15	−07 48 47.2		4	809
1990 UB_4	1997 04 10.20139	14 28 25.23	−07 42 18.1		4	809
1990 UB_4	1997 04 10.21458	14 28 24.56	−07 42 13.3		4	809
1990 UB_4	1997 04 10.22778	14 28 23.94	−07 42 07.5		4	809
1990 UG_5	1992 03 03.13333	10 17 14.53	+04 20 30.5		8	809
1990 VS_4	1997 04 07.28403	15 07 59.23	−14 03 39.3	18.4	4	809
1990 VS_4	1997 04 07.29722	15 07 58.78	−14 03 33.2		4	809
1990 VS_4	1997 04 07.31042	15 07 58.41	−14 03 29.3		4	809
1990 VS_4	1997 04 08.27014	15 07 28.22	−13 57 01.2		4	809
1990 VS_4	1997 04 08.28333	15 07 27.77	−13 56 55.7		4	809
1990 VS_4	1997 04 08.29653	15 07 27.26	−13 56 49.8		4	809
1991 GQ	1997 05 03.27222	15 50 39.83	−14 18 58.4		4	809
1991 GQ	1997 05 03.28542	15 50 39.26	−14 18 52.6		4	809
1991 GQ	1997 05 03.29861	15 50 38.68	−14 18 47.1		4	809
1991 GQ	1997 05 04.25278	15 49 59.38	−14 12 07.2	18.2	4	809
1991 GQ	1997 05 04.26597	15 49 58.81	−14 12 02.4		4	809
1991 GQ	1997 05 04.27917	15 49 58.21	−14 11 56.7		4	809
1991 GE_9	1997 04 07.28403	14 57 58.30	−13 54 20.2	18.5	4	809
1991 GE_9	1997 04 07.29722	14 57 57.80	−13 54 17.8		4	809
1991 GE_9	1997 04 07.31042	14 57 57.29	−13 54 16.1		4	809
1991 GE_9	1997 04 08.27014	14 57 23.96	−13 51 29.4		4	809

1991 GE_9	1997 04 08.28333	14 57 23.40	−13 51 26.8		4	809
1991 GE_9	1997 04 08.29653	14 57 22.94	−13 51 26.0		4	809
1991 NS_1	1995 09 19.20694	23 48 13.91	−01 59 49.0	15.1 V	8	809
1991 NS_1	1995 09 20.18264	23 47 27.53	−02 09 18.3	15.7 V	8	809
1991 PK	1997 05 04.16250	15 28 13.56	−14 21 21.0	19.0	4	809
1991 PK	1997 05 04.17569	15 28 12.76	−14 21 18.7		4	809
1991 PK	1997 05 04.18889	15 28 11.91	−14 21 14.5		4	809
1991 RH_{25}	1997 04 07.23958	14 27 03.95	−07 01 46.4	18.3	4	809
1991 RH_{25}	1997 04 07.25278	14 27 03.22	−07 01 43.4		4	809
1991 RH_{25}	1997 04 07.26597	14 27 02.51	−07 01 41.4		4	809
1991 RH_{25}	1997 04 08.22639	14 26 13.24	−06 58 11.7		4	809
1991 RH_{25}	1997 04 08.23958	14 26 12.53	−06 58 08.7		4	809
1991 RH_{25}	1997 04 08.25278	14 26 11.76	−06 58 06.0		4	809
1991 VJ_1	1995 08 27.28646	23 52 31.10	−05 25 45.5	16.9 V	8	809
1991 VJ_1	1995 08 28.22812	23 52 13.05	−05 30 21.2	16.7 V	8	809
1991 VJ_1	1995 08 28.29062	23 52 11.52	−05 30 40.7	17.1 V	8	809
1991 VJ_1	1995 08 29.29965	23 51 50.24	−05 35 44.8	17.1 V	8	809
1991 VJ_1	1995 08 30.30000	23 51 27.55	−05 40 54.1	16.7 V	8	809
1991 VJ_1	1995 08 31.22708	23 51 05.43	−05 45 47.3	16.8 V	8	809
1991 VJ_1	1995 08 31.29444	23 51 03.47	−05 46 09.5	16.8 V	8	809
1991 VJ_1	1995 09 01.22361	23 50 39.88	−05 51 09.9	16.8 V	8	809
1991 VJ_1	1995 09 22.24861	23 37 53.53	−07 51 58.5	16.0 V	8	809
1991 VJ_1	1995 09 23.16528	23 37 16.76	−07 56 43.0	15.8 V	8	809
1991 VJ_1	1995 09 24.15451	23 36 37.13	−08 01 41.2	15.6 V	8	809
1992 DY_7	1997 04 07.28403	14 55 28.65	−13 30 51.1	18.5	4	809
1992 DY_7	1997 04 07.29722	14 55 28.09	−13 30 48.2		4	809
1992 DY_7	1997 04 07.31042	14 55 27.62	−13 30 46.4		4	809
1992 DY_7	1997 04 08.27014	14 54 52.92	−13 28 24.3		4	809
1992 DY_7	1997 04 08.28333	14 54 52.35	−13 28 22.1		4	809
1992 DY_7	1997 04 08.29653	14 54 51.75	−13 28 19.9		4	809
1992 EB_7	1997 05 03.27222	16 02 18.99	−13 58 21.6		4	809
1992 EB_7	1997 05 03.28542	16 02 18.41	−13 58 20.6		4	809
1992 EB_7	1997 05 03.29861	16 02 17.74	−13 58 20.8		4	809
1992 EB_7	1997 05 04.25278	16 01 32.27	−13 57 19.4	18.4	4	809
1992 EB_7	1997 05 04.26597	16 01 31.62	−13 57 18.8		4	809
1992 EB_7	1997 05 04.27917	16 01 30.97	−13 57 17.1		4	809
1992 EX_9	1997 05 04.16250	15 27 47.49	−14 35 43.2	19.5	4	809
1992 EX_9	1997 05 04.17569	15 27 46.78	−14 35 40.6		4	809
1992 EX_9	1997 05 04.18889	15 27 46.02	−14 35 36.7		4	809
1992 EZ_9	1997 05 03.14931	15 30 26.26	−13 25 26.3		4	809
1992 EZ_9	1997 05 03.16250	15 30 25.60	−13 25 22.7		4	809
1992 EZ_9	1997 05 03.17569	15 30 24.93	−13 25 18.6		4	809
1992 EZ_9	1997 05 04.16250	15 29 35.85	−13 20 45.9	18.4	4	809
1992 EZ_9	1997 05 04.17569	15 29 35.13	−13 20 41.9		4	809
1992 EZ_9	1997 05 04.18889	15 29 34.46	−13 20 39.1		4	809
1992 FA_2	1997 05 03.14931	15 33 50.94	−15 13 00.3		4	809
1992 FA_2	1997 05 03.16250	15 33 50.25	−15 12 59.2		4	809
1992 FA_2	1997 05 03.17569	15 33 49.59	−15 12 58.2		4	809
1992 FA_2	1997 05 04.16250	15 32 58.26	−15 11 25.2	18.2	4	809
1992 FA_2	1997 05 04.17569	15 32 57.53	−15 11 23.7		4	809
1992 FA_2	1997 05 04.18889	15 32 56.84	−15 11 23.5		4	809
1992 JB_5	* 1992 05 03.28611	16 28 52.15	−17 40 49.5	18.5	4	809
1992 JB_5	1992 05 03.29931	16 28 52.09	−17 40 47.8		4	809
1992 JB_5	1992 05 03.31250	16 28 51.60	−17 40 46.6		4	809
1993 CO_1	1997 05 03.14931	15 25 30.34	−17 07 38.0		4	809
1993 CO_1	1997 05 03.16250	15 25 29.55	−17 07 33.4		4	809
1993 CO_1	1997 05 03.17569	15 25 28.74	−17 07 30.5		4	809
1993 CO_1	1997 05 04.16250	15 24 31.70	−17 01 51.3	18.4	4	809
1993 CO_1	1997 05 04.17569	15 24 30.83	−17 01 47.8		4	809
1993 CO_1	1997 05 04.18889	15 24 30.08	−17 01 43.1		4	809
1993 FV_{31}	1997 04 07.28403	15 01 00.22	−11 44 51.8	18.4	4	809
1993 FV_{31}	1997 04 07.29722	15 00 59.65	−11 44 49.4		4	809
1993 FV_{31}	1997 04 07.31042	15 00 59.18	−11 44 46.5		4	809
1993 FV_{31}	1997 04 08.27014	15 00 23.22	−11 41 27.9		4	809
1993 FV_{31}	1997 04 08.28333	15 00 22.67	−11 41 25.3		4	809
1993 FV_{31}	1997 04 08.29653	15 00 22.16	−11 41 22.2		4	809
1993 FR_{58}	1995 08 22.33264	23 41 56.32	−00 22 40.5	18.8 V	8	809
1993 FR_{58}	1995 08 24.33646	23 40 46.63	−00 29 50.9	18.4 V	8	809
1993 FR_{58}	1995 08 25.30035	23 40 11.62	−00 33 28.8	18.0 V	8	809
1993 FR_{58}	1995 09 01.29514	23 35 31.90	−01 02 54.5	18.2 V	8	809
1993 FR_{58}	1995 09 17.17569	23 23 16.96	−02 22 52.9	17.9 V	8	809
1993 FR_{58}	1995 09 18.14306	23 22 31.09	−02 27 59.4	17.8 V	8	809
1993 FR_{58}	1995 09 18.23611	23 22 26.52	−02 28 29.9	16.9 V	8	809
1993 FR_{58}	1995 09 19.14167	23 21 43.87	−02 33 16.0	17.5 V	8	809
1993 FK_{81}	1995 09 19.20694	23 42 01.83	−02 43 17.3	17.1 V	8	809
1993 FK_{81}	1995 09 20.18264	23 41 21.54	−02 50 21.9	16.9 V	8	809
1993 FK_{81}	1995 09 22.24861	23 39 56.14	−03 05 21.9	17.1 V	8	809
1993 FK_{81}	1995 09 23.16528	23 39 18.82	−03 11 54.9	17.0 V	8	809
1993 FK_{81}	1995 09 24.15451	23 38 38.49	−03 18 58.0	17.6 V	8	809
1994 GF_9	1995 08 25.23229	23 57 40.77	−03 00 53.5	17.3 V	8	809
1994 GF_9	1995 08 26.22674	23 56 57.31	−03 05 15.5	17.5 V	8	809
1994 GF_9	1995 08 28.22812	23 55 26.14	−03 14 19.9	17.6 V	8	809
1994 GF_9	1995 08 28.29062	23 55 23.19	−03 14 36.5	17.4 V	8	809
1994 GF_9	1995 08 29.29965	23 54 35.53	−03 19 18.7	16.7 V	8	809
1994 GF_9	1995 09 01.29514	23 52 08.02	−03 33 45.3	17.2 V	8	809
1994 GF_9	1995 09 18.23611	23 36 32.54	−05 00 58.0	17.2 V	8	809
1994 GF_9	1995 09 19.14167	23 35 41.34	−05 05 31.5	16.9 V	8	809
1994 GF_9	1995 09 19.20694	23 35 37.52	−05 05 50.6	17.0 V	8	809
1994 GF_9	1995 09 20.18264	23 34 42.35	−05 10 42.1	17.3 V	8	809
1994 GF_9	1995 09 22.24861	23 32 46.57	−05 20 46.0	17.0 V	8	809
1994 GF_9	1995 09 23.16528	23 31 55.91	−05 25 08.9	17.3 V	8	809
1994 GF_9	1995 09 24.15451	23 31 01.58	−05 29 47.3	18.2 V	8	809
1994 JS_1	1995 09 17.17569	23 23 21.35	−05 02 58.3	19.1 V	8	809
1994 PH_{18}	1997 04 07.28403	14 50 53.12	−12 52 37.9	18.4	4	809
1994 PH_{18}	1997 04 07.29722	14 50 52.75	−12 52 35.2		4	809
1994 PH_{18}	1997 04 07.31042	14 50 52.34	−12 52 31.5		4	809
1994 PH_{18}	1997 04 08.27014	14 50 25.75	−12 48 07.9		4	809
1994 PH_{18}	1997 04 08.28333	14 50 25.33	−12 48 04.1		4	809
1994 PH_{18}	1997 04 08.29653	14 50 24.88	−12 48 01.2		4	809
1994 UJ_{11}	1992 03 09.22986	11 06 16.48	+12 50 38.3	16.4	8	809
1994 UJ_{11}	1997 04 07.28403	15 08 30.87	−13 06 08.4	18.3	4	809
1994 UJ_{11}	1997 04 07.29722	15 08 30.43	−13 06 06.9		4	809
1994 UJ_{11}	1997 04 07.31042	15 08 29.96	−13 06 05.8		4	809
1994 UJ_{11}	1997 04 08.27014	15 07 59.00	−13 04 04.0		4	809

1994 UJ_{11}	1997 04 08.28333	15 07 58.50	−13 04 01.8		4	809
1994 UJ_{11}	1997 04 08.29653	15 07 58.05	−13 04 01.0		4	809
1994 VT_6	1997 04 07.28403	14 58 25.66	−14 17 46.8	18.5	4	809
1994 VT_6	1997 04 07.29722	14 58 25.17	−14 17 45.2		4	809
1994 VT_6	1997 04 07.31042	14 58 24.65	−14 17 42.4		4	809
1994 VT_6	1997 04 08.27014	14 57 50.40	−14 15 21.3		4	809
1994 VT_6	1997 04 08.28333	14 57 49.86	−14 15 19.0		4	809
1994 VT_6	1997 04 08.29653	14 57 49.31	−14 15 17.5		4	809
1994 XF	1997 05 03.14931	15 29 24.53	−15 51 28.7		4	809
1994 XF	1997 05 03.16250	15 29 23.82	−15 51 28.1		4	809
1994 XF	1997 05 03.17569	15 29 23.27	−15 51 26.8		4	809
1994 XF	1997 05 04.16250	15 28 36.78	−15 50 17.8	18.6	4	809
1994 XF	1997 05 04.17569	15 28 36.17	−15 50 16.0		4	809
1994 XF	1997 05 04.18889	15 28 35.46	−15 50 15.7		4	809
1995 SD	1995 08 29.29965	00 02 09.40	−06 57 31.3	18.3 V	8	809
1995 SD	1995 08 31.29444	00 00 54.29	−07 05 26.9	18.4 V	8	809
1995 SD	1995 09 01.22361	00 00 17.55	−07 09 11.4	19.7 V	8	809
1995 SE	1995 08 29.29965	00 02 12.73	−06 17 52.6	19.9 V	8	809
1995 SE	1995 08 31.29444	00 01 00.40	−06 28 55.8	20.6 V	8	809
1995 SE	1995 09 01.22361	00 00 24.69	−06 34 13.1	19.8 V	8	809
1995 SS	1997 05 03.27222	15 52 28.48	−15 22 22.2		4	809
1995 SS	1997 05 03.28542	15 52 27.71	−15 21 59.7		4	809
1995 SS	1997 05 03.29861	15 52 26.88	−15 21 35.1		4	809
1995 SS	1997 05 04.25278	15 51 34.56	−14 52 39.8	17.0	4	809
1995 SS	1997 05 04.26597	15 51 33.72	−14 52 14.9		4	809
1995 SS	1997 05 04.27917	15 51 32.91	−14 51 51.4		4	809
1995 SY	1995 08 29.23646	23 44 49.27	−05 52 51.0	19.6 V	8	809
1995 SY	1995 08 30.22986	23 44 04.26	−06 00 47.8	19.8 V	8	809
1995 SY	1995 08 31.22708	23 43 18.03	−06 08 52.2	19.7 V	8	809
1995 SS_2	1995 09 19.20694	23 44 56.76	−04 05 38.9	15.8 V	8	809
1995 SS_2	1995 09 20.18264	23 43 55.14	−04 05 45.2	15.9 V	8	809
1995 SS_2	1995 09 22.24861	23 41 44.25	−04 05 51.2	16.3 V	8	809
1995 SS_2	1995 09 23.16528	23 40 46.73	−04 05 49.4	16.2 V	8	809
1995 SS_2	1995 09 24.15451	23 39 44.66	−04 05 45.2	16.0 V	8	809
1995 ST_2	1995 09 19.20694	23 46 22.73	−04 36 34.9	17.3 V	8	809
1995 ST_2	1995 09 20.18264	23 45 12.38	−04 33 24.7	17.8 V	8	809
1995 ST_2	1995 09 23.16528	23 41 37.78	−04 23 23.2	16.8 V	8	809
1995 ST_2	1995 09 24.15451	23 40 27.18	−04 19 58.2	16.9 V	8	809
1995 SU_2	1995 09 19.20694	23 48 31.11	−03 24 04.1	15.6 V	8	809
1995 SU_2	1995 09 20.18264	23 47 38.49	−03 32 45.2	15.7 V	8	809
1995 SN_6	1995 08 24.33646	23 52 19.52	−03 07 07.7	19.2 V	8	809
1995 SN_6	1995 08 25.23229	23 51 35.53	−03 07 37.5	17.9 V	8	809
1995 SN_6	1995 08 25.30035	23 51 32.01	−03 07 40.2	17.8 V	8	809
1995 SN_6	1995 08 26.22674	23 50 44.89	−03 08 18.2	17.5 V	8	809
1995 SN_6	1995 08 27.28646	23 49 48.82	−03 09 09.7	18.1 V	8	809
1995 SN_6	1995 08 28.22812	23 48 58.03	−03 10 01.0	18.4 V	8	809
1995 SN_6	1995 08 28.29062	23 48 54.38	−03 10 05.2	18.0 V	8	809
1995 SN_6	1995 08 29.29965	23 47 58.12	−03 11 07.7	17.8 V	8	809
1995 SN_6	1995 09 01.29514	23 45 03.52	−03 14 48.1	19.0 V	8	809
1995 SN_6	1995 09 17.17569	23 28 01.73	−03 41 44.5	17.7 V	8	809
1995 SN_6	1995 09 18.23611	23 26 53.60	−03 43 33.4	17.7 V	8	809
1995 SN_6	1995 09 19.14167	23 25 56.44	−03 45 04.5	17.4 V	8	809
1995 SN_6	1995 09 20.25556	23 24 46.25	−03 46 51.3	17.7 V	8	809
1995 SN_6	1995 09 22.24861	23 22 44.07	−03 49 55.8	17.9 V	8	809
1995 SN_6	1995 09 23.16528	23 21 49.53	−03 51 14.6	17.9 V	8	809
1995 SN_6	1995 09 24.15451	23 20 51.42	−03 52 35.1	18.3 V	8	809
1995 SY_7	1995 09 17.17569	23 26 44.49	−03 04 25.3	19.4 V	8	809
1995 SY_7	1995 09 18.14306	23 25 56.27	−03 07 23.9	19.6 V	8	809
1995 SY_7	1995 09 18.23611	23 25 51.38	−03 07 42.0	19.6 V	8	809
1995 SA_9	1995 09 20.18264	23 32 27.63	−03 11 43.7	20.1 V	8	809
1995 SR_9	1995 08 25.23229	23 56 33.03	−02 26 01.8	20.0 V	8	809
1995 SR_9	1995 08 26.22674	23 55 54.61	−02 26 59.8	19.7 V	8	809
1995 SR_9	1995 09 18.23611	23 37 54.30	−03 01 54.8	18.8 V	8	809
1995 SR_9	1995 09 19.14167	23 37 08.18	−03 03 28.3	19.0 V	8	809
1995 SR_9	1995 09 19.20694	23 37 04.69	−03 03 35.1	18.6 V	8	809
1995 SR_9	1995 09 20.18264	23 36 14.85	−03 05 15.8	18.3 V	8	809
1995 SR_9	1995 09 22.24861	23 34 29.52	−03 08 46.3	19.3 V	8	809
1995 SR_9	1995 09 23.16528	23 33 43.16	−03 10 17.1	18.1 V	8	809
1995 SR_9	1995 09 24.15451	23 32 53.23	−03 11 53.5	18.6 V	8	809
1995 SA_{12}	1995 09 17.17569	23 26 13.50	−02 47 41.2	19.3 V	8	809
1995 SA_{12}	1995 09 18.14306	23 25 24.64	−02 53 22.8	19.3 V	8	809
1995 SA_{12}	1995 09 18.23611	23 25 19.61	−02 53 55.9	19.2 V	8	809
1995 SC_{12}	1995 09 17.17569	23 26 42.37	−02 20 32.2	19.3 V	8	809
1995 SU_{12}	1995 09 18.23611	23 30 53.41	−02 48 28.4	19.5 V	8	809
1995 SX_{12}	1995 09 18.23611	23 32 02.97	−02 45 45.8	19.1 V	8	809
1995 SX_{12}	1995 09 19.14167	23 31 22.94	−02 50 09.2	18.4 V	8	809
1995 SX_{12}	1995 09 19.20694	23 31 19.91	−02 50 28.6	18.9 V	8	809
1995 SX_{12}	1995 09 20.18264	23 30 36.82	−02 55 11.0	18.2 V	8	809
1995 SX_{12}	1995 09 22.17986	23 29 09.01	−03 04 47.7	18.7 V	8	809
1995 SX_{12}	1995 09 22.24861	23 29 06.12	−03 05 05.3	18.2 V	8	809
1995 SX_{12}	1995 09 23.16528	23 28 26.39	−03 09 26.1	19.0 V	8	809
1995 SX_{12}	1995 09 24.15451	23 27 43.81	−03 14 03.5	18.4 V	8	809
1995 SZ_{12}	1995 08 24.33646	23 53 11.71	−02 28 52.7	20.0 V	8	809
1995 SC_{13}	1995 09 19.20694	23 32 57.68	−02 52 53.2	19.2 V	8	809
1995 SC_{13}	1995 09 20.18264	23 32 12.00	−02 58 51.5	19.8 V	8	809
1995 SH_{13}	1995 09 18.23611	23 34 54.40	−02 35 32.2	19.4 V	8	809
1995 SH_{13}	1995 09 19.14167	23 34 09.07	−02 38 39.4	19.2 V	8	809
1995 SH_{13}	1995 09 19.20694	23 34 05.57	−02 38 53.2	18.9 V	8	809
1995 SN_{13}	1995 09 19.14167	23 35 55.18	−02 37 50.8	18.4 V	8	809
1995 SN_{13}	1995 09 19.20694	23 35 51.81	−02 38 06.7	17.7 V	8	809
1995 SN_{13}	1995 09 20.18264	23 35 04.96	−02 42 01.6	18.2 V	8	809
1995 SN_{13}	1995 09 24.15451	23 31 57.19	−02 57 36.7	18.5 V	8	809
1995 ST_{13}	1995 09 18.23611	23 38 19.25	−02 29 16.5	19.1 V	8	809
1995 ST_{13}	1995 09 24.15451	23 33 03.85	−03 15 55.2	20.2 V	8	809
1995 SA_{14}	1995 09 19.20694	23 40 04.27	−02 49 01.1	19.2 V	8	809
1995 SA_{14}	1995 09 20.18264	23 39 17.10	−02 53 25.1	18.2 V	8	809
1995 SA_{14}	1995 09 24.15451	23 36 06.92	−03 11 05.0	19.5 V	8	809
1995 SS_{14}	1995 09 17.17569	23 23 52.47	−01 39 27.6	18.9 V	8	809
1995 SY_{14}	1995 09 01.29514	23 39 26.52	−00 47 23.3	20.4 V	8	809
1995 SB_{15}	1995 09 17.17569	23 27 04.89	−01 49 26.9	18.6 V	8	809
1995 SB_{15}	1995 09 18.23611	23 26 09.68	−01 53 02.7	17.8 V	8	809
1995 SM_{15}	1995 08 24.33646	23 50 58.49	−01 49 28.5	18.4 V	8	809
1995 SM_{15}	1995 08 25.23229	23 50 19.43	−01 49 50.7	18.1 V	8	809
1995 SM_{15}	1995 08 25.30035	23 50 16.30	−01 49 52.5	17.3 V	8	809

1995 SM_{15}	1995 08 26.22674	23 49 34.74	−01 50 21.1	17.7 V	8	809
1995 SM_{15}	1995 09 01.29514	23 44 35.86	−01 55 25.6	17.4 V	8	809
1995 SM_{15}	1995 09 17.17569	23 29 26.39	−02 19 20.5	17.8 V	8	809
1995 SM_{15}	1995 09 18.23611	23 28 23.61	−02 21 08.9	17.8 V	8	809
1995 SM_{15}	1995 09 19.14167	23 27 30.50	−02 22 41.3	17.5 V	8	809
1995 SO_{15}	1995 08 25.23229	23 46 55.21	−00 30 20.8	19.9 V	8	809
1995 SO_{15}	1995 08 25.30035	23 46 52.72	−00 30 31.4	20.3 V	8	809
1995 SO_{15}	1995 08 26.22674	23 46 22.44	−00 33 07.2	19.7 V	8	809
1995 SO_{15}	1995 09 01.29514	23 42 29.62	−00 53 32.2	19.4 V	8	809
1995 SO_{15}	1995 09 18.23611	23 28 30.76	−02 12 54.3	18.5 V	8	809
1995 SO_{15}	1995 09 19.14167	23 27 43.26	−02 17 34.3	18.7 V	8	809
1995 SX_{15}	1995 09 01.29514	23 42 57.71	−00 20 15.2	18.2 V	8	809
1995 SX_{15}	1995 09 17.17569	23 31 35.54	−02 02 52.4	17.9 V	8	809
1995 SG_{16}	1995 09 20.18264	23 32 44.05	−02 08 00.9	20.0 V	8	809
1995 SO_{16}	1995 09 18.23611	23 37 10.09	−01 58 18.7	17.7 V	8	809
1995 SO_{16}	1995 09 19.14167	23 36 25.80	−02 02 58.6	19.1 V	8	809
1995 SO_{16}	1995 09 19.20694	23 36 22.27	−02 03 19.4	19.1 V	8	809
1995 SE_{17}	1995 09 19.20694	23 42 13.01	−02 18 47.3	19.2 V	8	809
1995 SC_{53}	1995 09 18.23611	23 35 11.19	−01 14 31.6	18.6 V	8	809
1995 SC_{53}	1995 09 19.14167	23 34 36.37	−01 25 47.6	18.7 V	8	809
1995 SC_{53}	1995 09 19.20694	23 34 33.65	−01 26 37.5	18.0 V	8	809
1995 SC_{53}	1995 09 20.18264	23 33 56.03	−01 38 47.9	18.6 V	8	809
1995 SD_{53}	1995 09 18.23611	23 36 53.03	−01 36 13.6	16.6 V	8	809
1995 SD_{53}	1995 09 19.14167	23 36 10.95	−01 44 29.4	16.7 V	8	809
1995 SD_{53}	1995 09 19.20694	23 36 07.66	−01 45 05.1	17.3 V	8	809
1995 SD_{53}	1995 09 20.18264	23 35 22.18	−01 53 59.5	17.8 V	8	809
1995 SF_{53}	1995 09 19.20694	23 38 07.73	−02 05 24.7	19.1 V	8	809
1995 TB_1	1995 08 27.28646	23 47 26.34	−06 17 34.7	15.8 V	8	809
1995 TB_1	1995 08 28.29062	23 46 57.73	−06 25 06.9	0.0 V	8	809
1995 TB_1	1995 08 29.29965	23 46 27.60	−06 32 47.1	15.6 V	8	809
1995 TB_1	1995 08 30.30000	23 45 56.29	−06 40 31.8	16.3 V	8	809
1995 TB_1	1995 08 31.22708	23 45 26.37	−06 47 47.3	16.4 V	8	809
1995 TB_1	1995 08 31.29444	23 45 23.89	−06 48 19.7	15.7 V	8	809
1995 TB_1	1995 09 29.21528	23 25 20.01	−10 31 54.7	0.0 V	8	809
1995 WF_3	1997 05 03.14931	15 37 38.85	−17 16 19.2		4	809
1995 WF_3	1997 05 03.16250	15 37 38.03	−17 16 22.4		4	809
1995 WF_3	1997 05 03.17569	15 37 37.39	−17 16 23.6		4	809
1995 WF_3	1997 05 04.16250	15 36 37.22	−17 17 02.3	18.6	4	809
1995 WF_3	1997 05 04.17569	15 36 36.43	−17 17 05.2		4	809
1995 WF_3	1997 05 04.18889	15 36 35.60	−17 17 05.1		4	809
1995 WH_7	1997 04 07.28403	15 09 04.35	−12 55 19.2	18.4	4	809
1995 WH_7	1997 04 07.29722	15 09 03.85	−12 55 15.5		4	809
1995 WH_7	1997 04 07.31042	15 09 03.32	−12 55 12.6		4	809
1995 WH_7	1997 04 08.27014	15 08 26.61	−12 51 25.0		4	809
1995 WH_7	1997 04 08.28333	15 08 26.04	−12 51 20.9		4	809
1995 WH_7	1997 04 08.29653	15 08 25.46	−12 51 18.2		4	809
1995 XP_4	1997 05 03.27222	16 09 38.82	−15 47 52.6		4	809
1995 XP_4	1997 05 03.28542	16 09 38.14	−15 47 48.5		4	809
1995 XP_4	1997 05 03.29861	16 09 37.43	−15 47 44.9		4	809
1995 XP_4	1997 05 04.25278	16 08 51.24	−15 42 24.6	18.3	4	809
1995 XP_4	1997 05 04.26597	16 08 50.53	−15 42 20.1		4	809
1995 XP_4	1997 05 04.27917	16 08 49.83	−15 42 16.2		4	809
1995 YG	1993 01 28.16181	08 46 58.03	+13 48 02.8	18.7	4	809
1995 YG	1993 01 28.17500	08 46 57.00	+13 48 03.8		4	809
1995 YG	1993 01 28.18819	08 46 55.99	+13 48 05.7		4	809
1996 AB_1	1997 04 09.25972	14 29 57.15	−09 40 07.7	18.4	4	809
1996 AB_1	1997 04 09.27292	14 29 56.53	−09 40 05.0		4	809
1996 AB_1	1997 04 09.28611	14 29 55.93	−09 40 01.9		4	809
1996 AB_1	1997 04 10.20139	14 29 17.29	−09 36 15.5		4	809
1996 AB_1	1997 04 10.21458	14 29 16.67	−09 36 13.0		4	809
1996 AB_1	1997 04 10.22778	14 29 16.10	−09 36 09.7		4	809
1996 AB_1	1997 04 11.22153	14 28 33.29	−09 32 02.5		4	809
1996 AB_1	1997 04 11.23472	14 28 32.68	−09 31 58.0		4	809
1996 AB_1	1997 04 11.24792	14 28 32.04	−09 31 55.8		4	809
1996 AB_1	1997 04 12.22639	14 27 49.21	−09 27 51.3		4	809
1996 AB_1	1997 04 12.23958	14 27 48.62	−09 27 47.5		4	809
1996 AB_1	1997 04 12.25278	14 27 47.96	−09 27 44.5		4	809
1996 AO_1	1997 04 07.28403	14 57 00.31	−13 30 34.8	18.6	4	809
1996 AO_1	1997 04 07.29722	14 56 59.72	−13 30 31.9		4	809
1996 AO_1	1997 04 07.31042	14 56 59.18	−13 30 30.3		4	809
1996 AO_1	1997 04 08.27014	14 56 17.95	−13 27 45.9		4	809
1996 AO_1	1997 04 08.28333	14 56 17.44	−13 27 44.4		4	809
1996 AO_1	1997 04 08.29653	14 56 16.76	−13 27 42.3		4	809
1996 AF_4	1997 05 04.16250	15 31 47.86	−16 36 52.7	19.5	4	809
1996 AF_4	1997 05 04.17569	15 31 47.28	−16 36 48.7		4	809
1996 AF_4	1997 05 04.18889	15 31 46.73	−16 36 44.4		4	809
1996 DA_3	1993 03 22.29549	13 14 41.08	−07 55 46.0	18.7	8	809
1996 DA_3	1993 03 26.32604	13 11 23.76	−07 26 05.6	17.9	8	809
1996 DA_3	1993 03 27.25452	13 10 36.76	−07 19 04.7	17.9	8	809
1997 BF_7	1992 04 06.11007	10 24 42.11	+09 43 50.7	17.8	8	809
1997 GS_7	1997 04 07.28403	14 51 56.45	−12 20 13.7	18.6	4	809
1997 GS_7	1997 04 07.29722	14 51 55.90	−12 20 09.1		4	809
1997 GS_7	1997 04 07.31042	14 51 55.38	−12 20 04.4		4	809
1997 GS_7	1997 04 08.27014	14 51 17.26	−12 14 32.4		4	809
1997 GS_7	1997 04 08.28333	14 51 16.73	−12 14 28.6		4	809
1997 GS_7	1997 04 08.29653	14 51 16.19	−12 14 24.1		4	809
1997 GT_7	1997 04 07.28403	14 52 54.83	−12 04 00.9	18.5	4	809
1997 GT_7	1997 04 07.29722	14 52 54.31	−12 03 56.5		4	809
1997 GT_7	1997 04 07.31042	14 52 53.77	−12 03 52.6		4	809
1997 GT_7	1997 04 08.27014	14 52 15.75	−11 58 36.7		4	809
1997 GT_7	1997 04 08.28333	14 52 15.14	−11 58 31.7		4	809
1997 GT_7	1997 04 08.29653	14 52 14.57	−11 58 28.0		4	809
1997 GV_7	1997 04 07.28403	14 51 58.35	−13 09 35.5	18.6	4	809
1997 GV_7	1997 04 07.29722	14 51 57.71	−13 09 35.4		4	809
1997 GV_7	1997 04 07.31042	14 51 57.06	−13 09 34.0		4	809
1997 GV_7	1997 04 08.27014	14 51 12.07	−13 08 26.8		4	809
1997 GV_7	1997 04 08.28333	14 51 11.57	−13 08 24.8		4	809
1997 GV_7	1997 04 08.29653	14 51 10.79	−13 08 25.0		4	809
1997 GW_7	1997 04 07.28403	14 52 08.70	−13 08 48.4	18.6	4	809
1997 GW_7	1997 04 07.29722	14 52 08.16	−13 08 45.8		4	809
1997 GW_7	1997 04 07.31042	14 52 07.58	−13 08 43.8		4	809
1997 GW_7	1997 04 08.27014	14 51 24.84	−13 05 56.5		4	809
1997 GW_7	1997 04 08.28333	14 51 24.19	−13 05 55.4		4	809
1997 GW_7	1997 04 08.29653	14 51 23.62	−13 05 52.1		4	809

1997 GX_7	1997 04 07.28403	14 53 30.29	−13 34 25.3	18.5	4 809	1997 GY_{21}	1997 04 08.28333	14 54 12.36	−12 29 50.1		4 809
1997 GX_7	1997 04 07.29722	14 53 29.66	−13 34 22.6		4 809	1997 GY_{21}	1997 04 08.29653	14 54 12.00	−12 29 42.8		4 809
1997 GX_7	1997 04 07.31042	14 53 29.30	−13 34 21.4		4 809	1997 GA_{22}	1997 04 07.28403	14 55 13.65	−12 27 59.5	18.5	4 809
1997 GX_7	1997 04 08.27014	14 52 55.56	−13 31 37.2		4 809	1997 GA_{22}	1997 04 07.29722	14 55 13.23	−12 27 55.7		4 809
1997 GX_7	1997 04 08.28333	14 52 55.06	−13 31 36.6		4 809	1997 GA_{22}	1997 04 07.31042	14 55 12.85	−12 27 52.3		4 809
1997 GX_7	1997 04 08.29653	14 52 54.57	−13 31 33.5		4 809	1997 GA_{22}	1997 04 08.27014	14 54 44.12	−12 22 50.1		4 809
1997 GY_7	1997 04 07.28403	14 51 18.38	−14 11 03.6	18.4	4 809	1997 GA_{22}	1997 04 08.28333	14 54 43.66	−12 22 46.3		4 809
1997 GY_7	1997 04 07.29722	14 51 17.82	−14 11 01.4		4 809	1997 GA_{22}	1997 04 08.29653	14 54 43.23	−12 22 42.7		4 809
1997 GY_7	1997 04 07.31042	14 51 17.28	−14 10 59.4		4 809	1997 GD_{22}	1997 04 07.28403	14 55 03.05	−14 33 15.8	19.0	4 809
1997 GY_7	1997 04 08.27014	14 50 38.89	−14 07 56.3		4 809	1997 GD_{22}	1997 04 07.29722	14 55 02.39	−14 33 14.3		4 809
1997 GY_7	1997 04 08.28333	14 50 38.35	−14 07 54.2		4 809	1997 GD_{22}	1997 04 07.31042	14 55 01.83	−14 33 12.2		4 809
1997 GY_7	1997 04 08.29653	14 50 37.79	−14 07 51.2		4 809	1997 GD_{22}	1997 04 08.27014	14 54 25.52	−14 31 50.7		4 809
1997 GZ_7	1997 04 07.28403	14 51 18.20	−14 38 57.6	18.5	4 809	1997 GD_{22}	1997 04 08.28333	14 54 24.92	−14 31 49.9		4 809
1997 GZ_7	1997 04 07.29722	14 51 17.75	−14 38 57.6		4 809	1997 GD_{22}	1997 04 08.29653	14 54 24.36	−14 31 49.2		4 809
1997 GZ_7	1997 04 07.31042	14 51 17.20	−14 38 57.9		4 809	1997 GV_{22}	1997 04 07.28403	14 56 05.12	−13 46 33.3	18.0	4 809
1997 GZ_7	1997 04 08.27014	14 50 39.14	−14 39 17.0		4 809	1997 GV_{22}	1997 04 07.29722	14 56 04.64	−13 46 24.2		4 809
1997 GZ_7	1997 04 08.28333	14 50 38.56	−14 39 17.6		4 809	1997 GV_{22}	1997 04 07.31042	14 56 04.17	−13 46 15.9		4 809
1997 GZ_7	1997 04 08.29653	14 50 37.98	−14 39 19.1		4 809	1997 GV_{22}	1997 04 08.27014	14 55 30.48	−13 35 12.5		4 809
1997 GB_8	1997 04 07.28403	14 53 25.23	−15 06 41.5	19.0	4 809	1997 GV_{22}	1997 04 08.28333	14 55 29.92	−13 35 03.6		4 809
1997 GB_8	1997 04 07.29722	14 53 24.71	−15 06 39.7		4 809	1997 GV_{22}	1997 04 08.29653	14 55 29.47	−13 34 55.0		4 809
1997 GB_8	1997 04 07.31042	14 53 24.26	−15 06 36.7		4 809	1997 GW_{22}	1997 04 07.28403	14 57 01.03	−13 37 17.1	18.4	4 809
1997 GB_8	1997 04 08.27014	14 52 50.70	−15 03 21.4		4 809	1997 GW_{22}	1997 04 07.29722	14 57 00.38	−13 37 14.0		4 809
1997 GB_8	1997 04 08.28333	14 52 50.20	−15 03 17.8		4 809	1997 GW_{22}	1997 04 07.31042	14 56 59.82	−13 37 12.6		4 809
1997 GB_8	1997 04 08.29653	14 52 49.58	−15 03 15.9		4 809	1997 GW_{22}	1997 04 08.27014	14 56 20.93	−13 34 34.3		4 809
1997 GE_8	1993 03 21.21493	12 44 42.52	−05 31 20.2	17.9	8 809	1997 GW_{22}	1997 04 08.28333	14 56 20.26	−13 34 33.0		4 809
1997 GE_8	1993 03 22.20660	12 43 50.28	−05 25 48.2	18.3	8 809	1997 GW_{22}	1997 04 08.29653	14 56 19.70	−13 34 30.0		4 809
1997 GE_8	1993 03 24.19965	12 42 03.66	−05 14 26.9	17.6	8 809	1997 GX_{22}	1997 04 07.28403	14 57 26.50	−13 59 39.2	18.4	4 809
1997 GK_{21}	1997 04 07.28403	14 50 38.24	−14 45 52.9	18.4	4 809	1997 GX_{22}	1997 04 07.29722	14 57 26.05	−13 59 36.6		4 809
1997 GK_{21}	1997 04 07.29722	14 50 37.75	−14 45 49.5		4 809	1997 GX_{22}	1997 04 07.31042	14 57 25.65	−13 59 34.2		4 809
1997 GK_{21}	1997 04 07.31042	14 50 37.45	−14 45 46.5		4 809	1997 GX_{22}	1997 04 08.27014	14 56 57.40	−13 56 15.3		4 809
1997 GS_{21}	1997 04 07.28403	14 51 51.68	−14 20 06.9	18.5	4 809	1997 GX_{22}	1997 04 08.28333	14 56 56.95	−13 56 12.5		4 809
1997 GS_{21}	1997 04 07.29722	14 51 51.08	−14 20 06.7		4 809	1997 GX_{22}	1997 04 08.29653	14 56 56.50	−13 56 09.7		4 809
1997 GS_{21}	1997 04 07.31042	14 51 50.54	−14 20 06.1		4 809	1997 GZ_{22}	1997 04 07.28403	14 57 46.12	−13 29 11.7	18.6	4 809
1997 GS_{21}	1997 04 08.27014	14 51 08.97	−14 19 25.5		4 809	1997 GZ_{22}	1997 04 07.29722	14 57 45.65	−13 29 09.0		4 809
1997 GS_{21}	1997 04 08.28333	14 51 08.47	−14 19 24.4		4 809	1997 GZ_{22}	1997 04 07.31042	14 57 45.20	−13 29 04.2		4 809
1997 GS_{21}	1997 04 08.29653	14 51 07.74	−14 19 24.7		4 809	1997 GZ_{22}	1997 04 08.27014	14 57 12.36	−13 24 26.8		4 809
1997 GV_{21}	1997 04 07.28403	14 55 18.49	−11 11 02.1	18.3	4 809	1997 GZ_{22}	1997 04 08.28333	14 57 11.91	−13 24 21.8		4 809
1997 GV_{21}	1997 04 07.29722	14 55 17.85	−11 11 01.5		4 809	1997 GZ_{22}	1997 04 08.29653	14 57 11.32	−13 24 17.1		4 809
1997 GV_{21}	1997 04 07.31042	14 55 17.24	−11 11 00.4		4 809	1997 GA_{23}	1997 04 08.27014	14 55 46.28	−13 08 05.8		4 809
1997 GV_{21}	1997 04 08.27014	14 54 33.93	−11 09 37.5		4 809	1997 GA_{23}	1997 04 08.28333	14 55 45.79	−13 08 01.5		4 809
1997 GV_{21}	1997 04 08.28333	14 54 33.23	−11 09 36.9		4 809	1997 GA_{23}	1997 04 08.29653	14 55 45.32	−13 07 58.9		4 809
1997 GV_{21}	1997 04 08.29653	14 54 32.60	−11 09 35.4		4 809	1997 GD_{23}	1997 04 07.28403	14 56 20.64	−10 53 10.0	19.2	4 809
1997 GX_{21}	1997 04 07.28403	14 55 03.97	−11 49 24.9	18.4	4 809	1997 GD_{23}	1997 04 07.29722	14 56 20.18	−10 53 06.6		4 809
1997 GX_{21}	1997 04 07.29722	14 55 03.47	−11 49 23.0		4 809	1997 GD_{23}	1997 04 07.31042	14 56 19.67	−10 53 05.1		4 809
1997 GX_{21}	1997 04 07.31042	14 55 02.98	−11 49 19.5		4 809	1997 GD_{23}	1997 04 08.27014	14 55 48.56	−10 50 24.0		4 809
1997 GX_{21}	1997 04 08.27014	14 54 28.99	−11 46 22.2		4 809	1997 GD_{23}	1997 04 08.28333	14 55 48.02	−10 50 21.2		4 809
1997 GX_{21}	1997 04 08.28333	14 54 28.45	−11 46 19.2		4 809	1997 GD_{23}	1997 04 08.29653	14 55 47.57	−10 50 20.0		4 809
1997 GX_{21}	1997 04 08.29653	14 54 27.99	−11 46 17.7		4 809	1997 GF_{23}	1997 04 07.28403	14 59 18.81	−12 57 52.1	18.5	4 809
1997 GY_{21}	1997 04 07.28403	14 54 37.38	−12 39 42.7	18.0	4 809	1997 GF_{23}	1997 04 07.29722	14 59 18.49	−12 57 54.0		4 809
1997 GY_{21}	1997 04 07.29722	14 54 37.00	−12 39 34.2		4 809	1997 GF_{23}	1997 04 07.31042	14 59 17.96	−12 57 55.3		4 809
1997 GY_{21}	1997 04 07.31042	14 54 36.62	−12 39 27.1		4 809	1997 GF_{23}	1997 04 08.27014	14 58 36.94	−12 59 20.6		4 809
1997 GY_{21}	1997 04 08.27014	14 54 12.75	−12 29 57.9		4 809	1997 GF_{23}	1997 04 08.28333	14 58 36.38	−12 59 22.0		4 809

1997 GF_{23}	1997 04 08.29653	14 58 35.80	−12 59 23.4		4	809
1997 GG_{23}	1997 04 07.28403	14 59 17.82	−13 19 59.1	18.4	4	809
1997 GG_{23}	1997 04 07.29722	14 59 17.17	−13 19 59.0		4	809
1997 GG_{23}	1997 04 07.31042	14 59 16.52	−13 19 58.3		4	809
1997 GG_{23}	1997 04 08.27014	14 58 30.79	−13 19 02.2		4	809
1997 GG_{23}	1997 04 08.28333	14 58 30.03	−13 19 01.6		4	809
1997 GG_{23}	1997 04 08.29653	14 58 29.42	−13 19 01.1		4	809
1997 GJ_{23}	1997 04 07.28403	14 58 41.13	−14 17 54.7	18.4	4	809
1997 GJ_{23}	1997 04 07.29722	14 58 40.52	−14 17 55.9		4	809
1997 GJ_{23}	1997 04 07.31042	14 58 39.92	−14 17 57.0		4	809
1997 GJ_{23}	1997 04 08.27014	14 57 59.63	−14 19 35.1		4	809
1997 GJ_{23}	1997 04 08.28333	14 57 59.07	−14 19 35.6		4	809
1997 GJ_{23}	1997 04 08.29653	14 57 58.47	−14 19 38.0		4	809
1997 GK_{23}	1997 04 07.28403	14 58 29.19	−14 51 46.0	18.5	4	809
1997 GK_{23}	1997 04 07.29722	14 58 28.70	−14 51 43.6		4	809
1997 GK_{23}	1997 04 07.31042	14 58 28.24	−14 51 41.1		4	809
1997 GK_{23}	1997 04 08.27014	14 57 56.69	−14 48 28.2		4	809
1997 GK_{23}	1997 04 08.28333	14 57 56.15	−14 48 25.0		4	809
1997 GK_{23}	1997 04 08.29653	14 57 55.66	−14 48 23.5		4	809
1997 GL_{23}	1997 04 07.28403	14 59 27.56	−15 07 12.2	18.5	4	809
1997 GL_{23}	1997 04 07.29722	14 59 27.05	−15 07 11.9		4	809
1997 GL_{23}	1997 04 07.31042	14 59 26.54	−15 07 10.1		4	809
1997 GL_{23}	1997 04 08.27014	14 58 51.73	−15 05 29.2		4	809
1997 GL_{23}	1997 04 08.28333	14 58 51.30	−15 05 28.1		4	809
1997 GL_{23}	1997 04 08.29653	14 58 50.79	−15 05 27.3		4	809
1997 GU_{23}	1997 04 07.28403	15 02 02.41	−12 50 00.0	18.4	4	809
1997 GU_{23}	1997 04 07.29722	15 02 02.01	−12 49 51.6		4	809
1997 GU_{23}	1997 04 07.31042	15 02 01.56	−12 49 44.6		4	809
1997 GU_{23}	1997 04 08.27014	15 01 32.81	−12 40 10.1		4	809
1997 GU_{23}	1997 04 08.28333	15 01 32.38	−12 40 02.8		4	809
1997 GU_{23}	1997 04 08.29653	15 01 31.97	−12 39 55.8		4	809
1997 GX_{23}	1997 04 07.28403	15 06 23.23	−10 48 23.5	18.5	4	809
1997 GX_{23}	1997 04 07.29722	15 06 22.69	−10 48 22.3		4	809
1997 GX_{23}	1997 04 07.31042	15 06 22.19	−10 48 22.2		4	809
1997 GX_{23}	1997 04 08.27014	15 05 46.05	−10 47 32.0		4	809
1997 GX_{23}	1997 04 08.28333	15 05 45.55	−10 47 32.7		4	809
1997 GX_{23}	1997 04 08.29653	15 05 45.05	−10 47 31.5		4	809
1997 GE_{24}	1997 04 07.28403	14 53 46.57	−10 55 39.9	18.6	4	809
1997 GE_{24}	1997 04 07.29722	14 53 46.05	−10 55 36.6		4	809
1997 GE_{24}	1997 04 07.31042	14 53 45.57	−10 55 35.6		4	809
1997 GG_{24}	1997 04 07.28403	14 56 09.15	−12 27 25.6	18.5	4	809
1997 GG_{24}	1997 04 07.29722	14 56 08.43	−12 27 28.3		4	809
1997 GG_{24}	1997 04 07.31042	14 56 07.80	−12 27 29.4		4	809
1997 GG_{24}	1997 04 08.27014	14 55 25.92	−12 29 32.8		4	809
1997 GG_{24}	1997 04 08.28333	14 55 25.27	−12 29 34.0		4	809
1997 GG_{24}	1997 04 08.29653	14 55 24.65	−12 29 35.6		4	809
1997 GP_{24}	1997 04 07.28403	14 59 46.43	−13 13 47.8	18.5	4	809
1997 GP_{24}	1997 04 07.29722	14 59 45.79	−13 13 48.2		4	809
1997 GP_{24}	1997 04 07.31042	14 59 45.41	−13 13 48.1		4	809
1997 GP_{24}	1997 04 08.27014	14 59 09.74	−13 13 30.1		4	809
1997 GP_{24}	1997 04 08.28333	14 59 09.31	−13 13 29.8		4	809
1997 GP_{24}	1997 04 08.29653	14 59 08.76	−13 13 29.7		4	809
1997 GB_{26}	1997 04 11.22153	14 36 36.96	−10 54 18.5	18.4	4	809
1997 GB_{26}	1997 04 11.23472	14 36 36.17	−10 54 20.2		4	809
1997 GB_{26}	1997 04 11.24792	14 36 35.38	−10 54 21.6		4	809
1997 GB_{26}	1997 04 12.22639	14 35 36.90	−10 56 16.6		4	809
1997 GB_{26}	1997 04 12.23958	14 35 35.99	−10 56 18.2		4	809
1997 GB_{26}	1997 04 12.25278	14 35 35.26	−10 56 20.5		4	809
1997 GE_{26}	1997 04 07.23958	14 34 25.04	−04 55 26.7	18.4	4	809
1997 GE_{26}	1997 04 07.25278	14 34 24.63	−04 55 21.8		4	809
1997 GE_{26}	1997 04 07.26597	14 34 24.15	−04 55 16.8		4	809
1997 GE_{26}	1997 04 08.22639	14 33 51.35	−04 49 32.4		4	809
1997 GE_{26}	1997 04 08.23958	14 33 50.81	−04 49 27.9		4	809
1997 GE_{26}	1997 04 08.25278	14 33 50.35	−04 49 22.8		4	809
1997 GO_{28}	1997 04 09.25972	14 37 38.56	−10 02 22.0	18.4	4	809
1997 GO_{28}	1997 04 09.27292	14 37 37.88	−10 02 19.4		4	809
1997 GO_{28}	1997 04 09.28611	14 37 37.35	−10 02 16.6		4	809
1997 GO_{28}	1997 04 10.20139	14 37 00.71	−09 59 24.1		4	809
1997 GO_{28}	1997 04 10.21458	14 37 00.18	−09 59 21.4		4	809
1997 GO_{28}	1997 04 10.22778	14 36 59.57	−09 59 19.0		4	809
1997 GO_{28}	1997 04 11.22153	14 36 18.26	−09 56 04.2		4	809
1997 GO_{28}	1997 04 11.23472	14 36 17.67	−09 56 01.4		4	809
1997 GO_{28}	1997 04 11.24792	14 36 17.08	−09 55 59.2		4	809
1997 GO_{28}	1997 04 12.22639	14 35 34.74	−09 52 45.9		4	809
1997 GO_{28}	1997 04 12.23958	14 35 34.07	−09 52 42.7		4	809
1997 GO_{28}	1997 04 12.25278	14 35 33.49	−09 52 39.3		4	809
1997 GJ_{35}	1997 04 07.28403	15 04 36.53	−11 52 16.6	18.5	4	809
1997 GJ_{35}	1997 04 07.29722	15 04 36.05	−11 52 13.8		4	809
1997 GJ_{35}	1997 04 07.31042	15 04 35.65	−11 52 11.8		4	809
1997 GJ_{35}	1997 04 08.27014	15 04 06.01	−11 48 26.5		4	809
1997 GJ_{35}	1997 04 08.28333	15 04 05.55	−11 48 23.9		4	809
1997 GJ_{35}	1997 04 08.29653	15 04 05.06	−11 48 20.5		4	809
1997 GL_{35}	1997 04 07.28403	15 05 31.97	−11 37 58.0	18.6	4	809
1997 GL_{35}	1997 04 07.29722	15 05 31.63	−11 37 54.1		4	809
1997 GL_{35}	1997 04 07.31042	15 05 31.31	−11 37 50.0		4	809
1997 GL_{35}	1997 04 08.27014	15 05 08.16	−11 33 31.2		4	809
1997 GL_{35}	1997 04 08.28333	15 05 07.79	−11 33 28.1		4	809
1997 GL_{35}	1997 04 08.29653	15 05 07.39	−11 33 23.5		4	809
1997 GO_{35}	1997 04 07.28403	15 04 49.10	−14 15 30.6	18.7	4	809
1997 GO_{35}	1997 04 07.29722	15 04 48.50	−14 15 28.5		4	809
1997 GO_{35}	1997 04 07.31042	15 04 48.08	−14 15 27.2		4	809
1997 GO_{35}	1997 04 08.27014	15 04 13.15	−14 13 49.4		4	809
1997 GO_{35}	1997 04 08.28333	15 04 12.53	−14 13 48.2		4	809
1997 GO_{35}	1997 04 08.29653	15 04 11.97	−14 13 46.6		4	809
1997 GW_{35}	1997 04 07.28403	15 07 51.93	−13 02 26.2		4	809
1997 GW_{35}	1997 04 07.29722	15 07 51.58	−13 02 21.3		4	809
1997 GW_{35}	1997 04 07.31042	15 07 51.23	−13 02 16.5		4	809
1997 GW_{35}	1997 04 08.27014	15 07 24.48	−12 56 04.0		4	809
1997 GW_{35}	1997 04 08.28333	15 07 23.97	−12 55 58.4		4	809
1997 GW_{35}	1997 04 08.29653	15 07 23.54	−12 55 55.2		4	809
1997 GX_{35}	1997 04 07.28403	15 07 08.84	−12 46 27.3	18.5	4	809
1997 GX_{35}	1997 04 07.29722	15 07 08.37	−12 46 22.6		4	809
1997 GX_{35}	1997 04 07.31042	15 07 07.94	−12 46 18.3		4	809
1997 GX_{35}	1997 04 08.27014	15 06 36.59	−12 41 13.5		4	809

1997 GX_{35}		1997 04 08.28333	15 06 36.01	−12 41 09.0		4	809
1997 GX_{35}		1997 04 08.29653	15 06 35.54	−12 41 06.5		4	809
1997 GY_{35}		1997 04 07.28403	15 06 49.45	−11 16 08.0	18.5	4	809
1997 GY_{35}		1997 04 07.29722	15 06 48.93	−11 16 05.5		4	809
1997 GY_{35}		1997 04 07.31042	15 06 48.47	−11 16 02.6		4	809
1997 GY_{35}		1997 04 08.27014	15 06 15.10	−11 12 21.6		4	809
1997 GY_{35}		1997 04 08.28333	15 06 14.58	−11 12 18.7		4	809
1997 GY_{35}		1997 04 08.29653	15 06 14.12	−11 12 15.2		4	809
1997 GZ_{35}		1997 04 07.28403	15 06 54.63	−11 38 57.3	18.6	4	809
1997 GZ_{35}		1997 04 07.29722	15 06 54.13	−11 38 58.3		4	809
1997 GZ_{35}		1997 04 07.31042	15 06 53.61	−11 38 57.2		4	809
1997 GC_{36}		1997 04 07.28403	15 09 46.66	−13 04 08.7	18.6	4	809
1997 GC_{36}		1997 04 07.29722	15 09 46.17	−13 04 05.8		4	809
1997 GC_{36}		1997 04 07.31042	15 09 45.81	−13 04 04.9		4	809
1997 GC_{36}		1997 04 08.27014	15 09 14.90	−13 01 42.5		4	809
1997 GC_{36}		1997 04 08.28333	15 09 14.39	−13 01 40.5		4	809
1997 GC_{36}		1997 04 08.29653	15 09 13.91	−13 01 38.7		4	809
1997 GR_{36}		1997 04 07.28403	15 04 25.06	−12 16 13.1	18.4	4	809
1997 GR_{36}		1997 04 07.29722	15 04 24.41	−12 16 10.9		4	809
1997 GR_{36}		1997 04 07.31042	15 04 23.87	−12 16 09.9		4	809
1997 GR_{36}		1997 04 08.27014	15 03 44.95	−12 13 39.7		4	809
1997 GR_{36}		1997 04 08.28333	15 03 44.30	−12 13 37.4		4	809
1997 GR_{36}		1997 04 08.29653	15 03 43.74	−12 13 35.7		4	809
1997 GT_{36}		1993 07 13.16736	19 54 42.15	−18 04 26.4	18.4	4	809
1997 GT_{36}		1993 07 13.18056	19 54 41.43	−18 04 29.2		4	809
1997 GT_{36}		1993 07 13.19375	19 54 40.71	−18 04 31.7		4	809
1997 GC_{38}		1997 04 07.28403	15 07 21.84	−12 59 28.5	18.5	4	809
1997 GC_{38}		1997 04 07.29722	15 07 21.30	−12 59 23.9		4	809
1997 GC_{38}		1997 04 07.31042	15 07 20.87	−12 59 19.5		4	809
1997 GC_{38}		1997 04 08.27014	15 06 47.66	−12 53 38.9		4	809
1997 GC_{38}		1997 04 08.28333	15 06 47.08	−12 53 33.4		4	809
1997 GC_{38}		1997 04 08.29653	15 06 46.58	−12 53 29.7		4	809
1997 GK_{38}	*	1997 04 07.23958	14 20 46.46	−05 13 00.9	18.5	4	809
1997 GK_{38}		1997 04 07.25278	14 20 45.77	−05 12 58.8		4	809
1997 GK_{38}		1997 04 07.26597	14 20 45.15	−05 12 56.0		4	809
1997 GK_{38}		1997 04 08.22639	14 20 01.04	−05 09 52.6		4	809
1997 GK_{38}		1997 04 08.23958	14 20 00.37	−05 09 50.6		4	809
1997 GK_{38}		1997 04 08.25278	14 19 59.68	−05 09 47.4		4	809
1997 GL_{38}	*	1997 04 07.23958	14 20 53.35	−04 55 42.5	18.3	4	809
1997 GL_{38}		1997 04 07.25278	14 20 52.87	−04 55 36.6		4	809
1997 GL_{38}		1997 04 07.26597	14 20 52.40	−04 55 31.7		4	809
1997 GL_{38}		1997 04 08.22639	14 20 16.72	−04 48 29.4		4	809
1997 GL_{38}		1997 04 08.23958	14 20 16.10	−04 48 23.7		4	809
1997 GL_{38}		1997 04 08.25278	14 20 15.61	−04 48 18.5		4	809
1997 GM_{38}	*	1997 04 07.23958	14 20 58.59	−05 13 08.1	18.3	4	809
1997 GM_{38}		1997 04 07.25278	14 20 58.01	−05 13 03.9		4	809
1997 GM_{38}		1997 04 07.26597	14 20 57.41	−05 12 59.3		4	809
1997 GM_{38}		1997 04 08.22639	14 20 17.85	−05 07 12.0		4	809
1997 GM_{38}		1997 04 08.23958	14 20 17.22	−05 07 07.0		4	809
1997 GM_{38}		1997 04 08.25278	14 20 16.65	−05 07 02.2		4	809
1997 GN_{38}	*	1997 04 07.23958	14 21 33.85	−06 00 23.6	18.5	4	809
1997 GN_{38}		1997 04 07.25278	14 21 33.25	−06 00 03.7		4	809
1997 GN_{38}		1997 04 07.26597	14 21 32.63	−05 59 44.0		4	809
1997 GN_{38}		1997 04 08.22639	14 20 53.68	−05 36 13.3		4	809
1997 GN_{38}		1997 04 08.23958	14 20 52.89	−05 35 48.0		4	809
1997 GN_{38}		1997 04 08.25278	14 20 52.31	−05 35 29.6		4	809
1997 GO_{38}	*	1997 04 07.23958	14 21 36.43	−05 14 43.5	18.5	4	809
1997 GO_{38}		1997 04 07.25278	14 21 35.83	−05 14 38.0		4	809
1997 GO_{38}		1997 04 07.26597	14 21 35.21	−05 14 31.8		4	809
1997 GO_{38}		1997 04 08.22639	14 20 54.20	−05 07 08.6		4	809
1997 GO_{38}		1997 04 08.23958	14 20 53.52	−05 07 05.2		4	809
1997 GO_{38}		1997 04 08.25278	14 20 52.93	−05 06 58.7		4	809
1997 GP_{38}	*	1997 04 07.23958	14 21 36.83	−04 46 49.7	18.5	4	809
1997 GP_{38}		1997 04 07.25278	14 21 36.13	−04 46 47.3		4	809
1997 GP_{38}		1997 04 07.26597	14 21 35.55	−04 46 44.8		4	809
1997 GP_{38}		1997 04 08.22639	14 20 51.42	−04 43 47.8		4	809
1997 GP_{38}		1997 04 08.23958	14 20 50.73	−04 43 45.4		4	809
1997 GP_{38}		1997 04 08.25278	14 20 50.10	−04 43 43.2		4	809
1997 GQ_{38}	*	1997 04 07.23958	14 21 44.95	−05 43 34.2	18.4	4	809
1997 GQ_{38}		1997 04 07.25278	14 21 44.27	−05 43 31.8		4	809
1997 GQ_{38}		1997 04 07.26597	14 21 43.46	−05 43 29.0		4	809
1997 GQ_{38}		1997 04 08.22639	14 20 49.46	−05 40 27.3		4	809
1997 GQ_{38}		1997 04 08.23958	14 20 48.61	−05 40 25.8		4	809
1997 GQ_{38}		1997 04 08.25278	14 20 47.86	−05 40 22.1		4	809
1997 GR_{38}	*	1997 04 07.23958	14 22 24.92	−04 36 15.3	18.4	4	809
1997 GR_{38}		1997 04 07.25278	14 22 24.35	−04 36 13.0		4	809
1997 GR_{38}		1997 04 07.26597	14 22 23.74	−04 36 08.7		4	809
1997 GR_{38}		1997 04 08.22639	14 21 43.98	−04 31 58.3		4	809
1997 GR_{38}		1997 04 08.23958	14 21 43.35	−04 31 55.7		4	809
1997 GR_{38}		1997 04 08.25278	14 21 42.70	−04 31 52.2		4	809
1997 GS_{38}	*	1997 04 07.23958	14 23 18.20	−05 39 51.2	18.7	4	809
1997 GS_{38}		1997 04 07.25278	14 23 17.63	−05 39 44.8		4	809
1997 GS_{38}		1997 04 07.26597	14 23 16.96	−05 39 36.9		4	809
1997 GS_{38}		1997 04 08.22639	14 22 37.78	−05 31 17.2		4	809
1997 GS_{38}		1997 04 08.23958	14 22 37.16	−05 31 10.3		4	809
1997 GS_{38}		1997 04 08.25278	14 22 36.56	−05 31 03.7		4	809
1997 GT_{38}	*	1997 04 07.23958	14 24 07.45	−07 11 22.4	18.4	4	809
1997 GT_{38}		1997 04 07.25278	14 24 06.77	−07 11 17.0		4	809
1997 GT_{38}		1997 04 07.26597	14 24 06.14	−07 11 11.1		4	809
1997 GT_{38}		1997 04 08.22639	14 23 23.17	−07 04 02.0		4	809
1997 GT_{38}		1997 04 08.23958	14 23 22.43	−07 03 56.1		4	809
1997 GT_{38}		1997 04 08.25278	14 23 21.83	−07 03 51.3		4	809
1997 GU_{38}	*	1997 04 07.23958	14 24 35.78	−05 53 12.9	18.7	4	809
1997 GU_{38}		1997 04 07.25278	14 24 34.99	−05 53 09.3		4	809
1997 GU_{38}		1997 04 07.26597	14 24 34.33	−05 53 04.7		4	809
1997 GU_{38}		1997 04 08.22639	14 23 43.87	−05 47 45.9		4	809
1997 GU_{38}		1997 04 08.23958	14 23 43.19	−05 47 41.3		4	809
1997 GU_{38}		1997 04 08.25278	14 23 42.33	−05 47 36.1		4	809
1997 GV_{38}	*	1997 04 07.23958	14 24 38.04	−06 03 56.1	18.4	4	809
1997 GV_{38}		1997 04 07.25278	14 24 37.38	−06 03 56.3		4	809
1997 GV_{38}		1997 04 07.26597	14 24 36.78	−06 03 56.1		4	809
1997 GV_{38}		1997 04 08.22639	14 23 53.05	−06 03 42.0		4	809
1997 GV_{38}		1997 04 08.23958	14 23 52.43	−06 03 41.8		4	809
1997 GV_{38}		1997 04 08.25278	14 23 51.76	−06 03 42.4		4	809

1997 GW_{38}	*	1997 04 07.23958	14 24 41.36	−03 36 01.5	18.4	4	809
1997 GW_{38}		1997 04 07.25278	14 24 40.83	−03 35 57.9		4	809
1997 GW_{38}		1997 04 07.26597	14 24 40.25	−03 35 53.9		4	809
1997 GW_{38}		1997 04 08.22639	14 24 00.51	−03 30 58.7		4	809
1997 GW_{38}		1997 04 08.23958	14 23 59.95	−03 30 53.6		4	809
1997 GW_{38}		1997 04 08.25278	14 23 59.37	−03 30 50.3		4	809
1997 GX_{38}	*	1997 04 07.23958	14 24 48.92	−02 28 05.7	18.4	4	809
1997 GX_{38}		1997 04 07.25278	14 24 48.31	−02 28 03.0		4	809
1997 GX_{38}		1997 04 07.26597	14 24 47.78	−02 28 00.0		4	809
1997 GX_{38}		1997 04 08.22639	14 24 06.57	−02 25 02.6		4	809
1997 GX_{38}		1997 04 08.23958	14 24 05.96	−02 24 59.8		4	809
1997 GX_{38}		1997 04 08.25278	14 24 05.30	−02 24 57.1		4	809
1997 GY_{38}	*	1997 04 07.23958	14 25 40.06	−06 43 13.4	18.3	4	809
1997 GY_{38}		1997 04 07.25278	14 25 39.50	−06 43 07.6		4	809
1997 GY_{38}		1997 04 07.26597	14 25 38.97	−06 43 02.1		4	809
1997 GY_{38}		1997 04 08.22639	14 25 03.69	−06 36 19.7		4	809
1997 GY_{38}		1997 04 08.23958	14 25 03.19	−06 36 14.8		4	809
1997 GY_{38}		1997 04 08.25278	14 25 02.63	−06 36 09.6		4	809
1997 GY_{38}		1997 04 09.25972	14 24 24.82	−06 29 11.6	18.2	4	809
1997 GY_{38}		1997 04 09.27292	14 24 24.25	−06 29 06.5		4	809
1997 GY_{38}		1997 04 09.28611	14 24 23.72	−06 29 01.9		4	809
1997 GY_{38}		1997 04 10.20139	14 23 48.87	−06 22 39.7		4	809
1997 GY_{38}		1997 04 10.21458	14 23 48.33	−06 22 34.6		4	809
1997 GY_{38}		1997 04 10.22778	14 23 47.78	−06 22 29.5		4	809
1997 GZ_{38}	*	1997 04 07.23958	14 26 06.86	−06 42 39.4	18.4	4	809
1997 GZ_{38}		1997 04 07.25278	14 26 06.32	−06 42 32.3		4	809
1997 GZ_{38}		1997 04 07.26597	14 26 05.75	−06 42 25.0		4	809
1997 GZ_{38}		1997 04 08.22639	14 25 27.40	−06 33 32.2		4	809
1997 GZ_{38}		1997 04 08.23958	14 25 26.84	−06 33 25.7		4	809
1997 GZ_{38}		1997 04 08.25278	14 25 26.29	−06 33 18.9		4	809
1997 GZ_{38}		1997 04 09.25972	14 24 45.07	−06 24 00.8	18.3	4	809
1997 GZ_{38}		1997 04 09.27292	14 24 44.52	−06 23 52.2		4	809
1997 GZ_{38}		1997 04 09.28611	14 24 43.92	−06 23 46.0		4	809
1997 GZ_{38}		1997 04 10.20139	14 24 05.74	−06 15 14.1		4	809
1997 GZ_{38}		1997 04 10.21458	14 24 05.18	−06 15 07.0		4	809
1997 GZ_{38}		1997 04 10.22778	14 24 04.56	−06 14 59.5		4	809
1997 GA_{39}	*	1997 04 07.23958	14 26 44.87	−06 59 22.4	18.4	4	809
1997 GA_{39}		1997 04 07.25278	14 26 44.27	−06 59 17.8		4	809
1997 GA_{39}		1997 04 07.26597	14 26 43.59	−06 59 12.3		4	809
1997 GA_{39}		1997 04 08.22639	14 25 59.77	−06 52 32.9		4	809
1997 GA_{39}		1997 04 08.23958	14 25 59.11	−06 52 27.5		4	809
1997 GA_{39}		1997 04 08.25278	14 25 58.48	−06 52 22.3		4	809
1997 GA_{39}		1997 04 09.25972	14 25 11.18	−06 45 23.4	18.3	4	809
1997 GA_{39}		1997 04 09.27292	14 25 10.48	−06 45 17.6		4	809
1997 GA_{39}		1997 04 09.28611	14 25 09.84	−06 45 12.8		4	809
1997 GA_{39}		1997 04 10.20139	14 24 25.96	−06 38 46.2		4	809
1997 GA_{39}		1997 04 10.21458	14 24 25.29	−06 38 41.8		4	809
1997 GA_{39}		1997 04 10.22778	14 24 24.62	−06 38 35.4		4	809
1997 GB_{39}	*	1997 04 07.23958	14 27 03.91	−04 01 28.3	18.3	4	809
1997 GB_{39}		1997 04 07.25278	14 27 03.58	−04 01 19.8		4	809
1997 GB_{39}		1997 04 07.26597	14 27 03.19	−04 01 10.7		4	809
1997 GB_{39}		1997 04 08.22639	14 26 34.65	−03 50 08.1		4	809
1997 GB_{39}		1997 04 08.23958	14 26 34.23	−03 49 59.6		4	809
1997 GB_{39}		1997 04 08.25278	14 26 33.79	−03 49 51.2		4	809
1997 GC_{39}	*	1997 04 07.23958	14 27 04.09	−05 02 02.0	18.8	4	809
1997 GC_{39}		1997 04 07.25278	14 27 03.60	−05 01 59.2		4	809
1997 GC_{39}		1997 04 07.26597	14 27 02.84	−05 01 55.2		4	809
1997 GC_{39}		1997 04 08.22639	14 26 19.04	−04 57 58.2		4	809
1997 GC_{39}		1997 04 08.23958	14 26 18.18	−04 57 55.8		4	809
1997 GC_{39}		1997 04 08.25278	14 26 17.55	−04 57 54.2		4	809
1997 GD_{39}	*	1997 04 07.23958	14 27 05.63	−05 56 57.2	18.5	4	809
1997 GD_{39}		1997 04 07.25278	14 27 05.05	−05 56 50.5		4	809
1997 GD_{39}		1997 04 07.26597	14 27 04.48	−05 56 44.7		4	809
1997 GD_{39}		1997 04 08.22639	14 26 23.38	−05 49 26.8		4	809
1997 GD_{39}		1997 04 08.23958	14 26 22.78	−05 49 21.6		4	809
1997 GD_{39}		1997 04 08.25278	14 26 22.07	−05 49 14.7		4	809
1997 GE_{39}	*	1997 04 07.23958	14 27 10.06	−04 28 04.8	18.0	4	809
1997 GE_{39}		1997 04 07.25278	14 27 09.64	−04 27 47.3		4	809
1997 GE_{39}		1997 04 07.26597	14 27 09.27	−04 27 29.9		4	809
1997 GE_{39}		1997 04 08.22639	14 26 42.91	−04 05 53.2		4	809
1997 GE_{39}		1997 04 08.23958	14 26 42.47	−04 05 34.3		4	809
1997 GE_{39}		1997 04 08.25278	14 26 42.05	−04 05 16.8		4	809
1997 GF_{39}	*	1997 04 07.23958	14 28 11.37	−03 43 28.9	18.6	4	809
1997 GF_{39}		1997 04 07.25278	14 28 10.74	−03 43 21.6		4	809
1997 GF_{39}		1997 04 07.26597	14 28 10.21	−03 43 17.8		4	809
1997 GF_{39}		1997 04 08.22639	14 27 31.07	−03 36 43.8		4	809
1997 GF_{39}		1997 04 08.23958	14 27 30.41	−03 36 38.1		4	809
1997 GF_{39}		1997 04 08.25278	14 27 29.86	−03 36 33.1		4	809
1997 GG_{39}	*	1997 04 07.23958	14 29 10.11	−02 30 44.1	18.5	4	809
1997 GG_{39}		1997 04 07.25278	14 29 09.56	−02 30 41.3		4	809
1997 GG_{39}		1997 04 07.26597	14 29 09.02	−02 30 38.9		4	809
1997 GG_{39}		1997 04 08.22639	14 28 29.19	−02 27 50.0		4	809
1997 GG_{39}		1997 04 08.23958	14 28 28.59	−02 27 48.9		4	809
1997 GG_{39}		1997 04 08.25278	14 28 28.08	−02 27 46.5		4	809
1997 GH_{39}	*	1997 04 07.23958	14 29 50.26	−02 48 21.4	18.0	4	809
1997 GH_{39}		1997 04 07.25278	14 29 49.63	−02 48 15.8		4	809
1997 GH_{39}		1997 04 07.26597	14 29 48.99	−02 48 10.6		4	809
1997 GH_{39}		1997 04 08.22639	14 29 06.08	−02 41 33.3		4	809
1997 GH_{39}		1997 04 08.23958	14 29 05.36	−02 41 27.3		4	809
1997 GH_{39}		1997 04 08.25278	14 29 04.71	−02 41 21.8		4	809
1997 GJ_{39}	*	1997 04 07.23958	14 30 04.08	−05 55 41.9	18.5	4	809
1997 GJ_{39}		1997 04 07.25278	14 30 03.51	−05 55 36.5		4	809
1997 GJ_{39}		1997 04 07.26597	14 30 02.94	−05 55 29.9		4	809
1997 GJ_{39}		1997 04 08.22639	14 29 24.93	−05 47 56.9		4	809
1997 GJ_{39}		1997 04 08.23958	14 29 24.44	−05 47 49.4		4	809
1997 GJ_{39}		1997 04 08.25278	14 29 23.85	−05 47 43.7		4	809
1997 GJ_{39}		1997 04 09.25972	14 28 42.55	−05 39 46.7	18.4	4	809
1997 GJ_{39}		1997 04 09.27292	14 28 41.88	−05 39 39.6		4	809
1997 GJ_{39}		1997 04 09.28611	14 28 41.31	−05 39 34.5		4	809
1997 GK_{39}	*	1997 04 07.23958	14 30 27.84	−05 23 03.8	18.5	4	809
1997 GK_{39}		1997 04 07.25278	14 30 27.21	−05 23 00.8		4	809
1997 GK_{39}		1997 04 07.26597	14 30 26.57	−05 22 58.0		4	809
1997 GK_{39}		1997 04 08.22639	14 29 43.41	−05 19 52.5		4	809
1997 GK_{39}		1997 04 08.23958	14 29 42.77	−05 19 50.7		4	809

1997 GK_{39}		1997 04 08.25278	14 29 42.10	−05 19 48.0		4	809
1997 GK_{39}		1997 04 09.25972	14 28 55.69	−05 16 31.6	18.5	4	809
1997 GK_{39}		1997 04 09.27292	14 28 54.91	−05 16 28.1		4	809
1997 GK_{39}		1997 04 09.28611	14 28 54.28	−05 16 26.3		4	809
1997 GK_{39}		1997 04 10.20139	14 28 11.40	−05 13 25.7		4	809
1997 GK_{39}		1997 04 10.21458	14 28 10.75	−05 13 22.6		4	809
1997 GK_{39}		1997 04 10.22778	14 28 10.13	−05 13 19.5		4	809
1997 GL_{39}	*	1997 04 07.23958	14 30 31.76	−04 47 55.5	18.3	4	809
1997 GL_{39}		1997 04 07.25278	14 30 31.16	−04 47 53.8		4	809
1997 GL_{39}		1997 04 07.26597	14 30 30.61	−04 47 52.4		4	809
1997 GL_{39}		1997 04 08.22639	14 29 50.90	−04 45 36.7		4	809
1997 GL_{39}		1997 04 08.23958	14 29 50.28	−04 45 35.3		4	809
1997 GL_{39}		1997 04 08.25278	14 29 49.78	−04 45 33.1		4	809
1997 GM_{39}	*	1997 04 07.23958	14 30 37.37	−03 11 39.0	18.6	4	809
1997 GM_{39}		1997 04 07.25278	14 30 36.76	−03 11 33.0		4	809
1997 GM_{39}		1997 04 07.26597	14 30 36.26	−03 11 26.7		4	809
1997 GM_{39}		1997 04 08.22639	14 29 57.96	−03 03 41.4		4	809
1997 GM_{39}		1997 04 08.23958	14 29 57.44	−03 03 35.0		4	809
1997 GM_{39}		1997 04 08.25278	14 29 56.75	−03 03 27.6		4	809
1997 GN_{39}	*	1997 04 07.23958	14 30 56.17	−04 54 05.8	18.4	4	809
1997 GN_{39}		1997 04 07.25278	14 30 55.60	−04 54 01.2		4	809
1997 GN_{39}		1997 04 07.26597	14 30 54.95	−04 53 55.7		4	809
1997 GN_{39}		1997 04 08.22639	14 30 12.56	−04 47 59.5		4	809
1997 GN_{39}		1997 04 08.23958	14 30 11.87	−04 47 54.7		4	809
1997 GN_{39}		1997 04 08.25278	14 30 11.27	−04 47 49.7		4	809
1997 GO_{39}	*	1997 04 07.23958	14 31 04.67	−06 07 46.2	18.7	4	809
1997 GO_{39}		1997 04 07.25278	14 31 04.07	−06 07 44.1		4	809
1997 GO_{39}		1997 04 07.26597	14 31 03.47	−06 07 42.2		4	809
1997 GO_{39}		1997 04 08.22639	14 30 22.64	−06 05 19.5		4	809
1997 GO_{39}		1997 04 08.23958	14 30 21.88	−06 05 17.6		4	809
1997 GO_{39}		1997 04 08.25278	14 30 21.47	−06 05 16.4		4	809
1997 GP_{39}	*	1997 04 07.23958	14 32 43.36	−06 25 53.6	19.0	4	809
1997 GP_{39}		1997 04 07.25278	14 32 42.76	−06 25 53.0		4	809
1997 GP_{39}		1997 04 07.26597	14 32 42.07	−06 25 53.4		4	809
1997 GP_{39}		1997 04 08.22639	14 32 03.98	−06 24 25.6		4	809
1997 GP_{39}		1997 04 08.23958	14 32 03.29	−06 24 26.0		4	809
1997 GP_{39}		1997 04 08.25278	14 32 02.72	−06 24 24.9		4	809
1997 GQ_{39}	*	1997 04 07.23958	14 32 59.41	−05 14 40.2	18.4	4	809
1997 GQ_{39}		1997 04 07.25278	14 32 58.96	−05 14 34.4		4	809
1997 GQ_{39}		1997 04 07.26597	14 32 58.49	−05 14 28.8		4	809
1997 GQ_{39}		1997 04 08.22639	14 32 24.34	−05 07 18.2		4	809
1997 GQ_{39}		1997 04 08.23958	14 32 23.81	−05 07 11.6		4	809
1997 GQ_{39}		1997 04 08.25278	14 32 23.31	−05 07 06.0		4	809
1997 GR_{39}	*	1997 04 07.23958	14 33 37.48	−05 36 58.1	19.0	4	809
1997 GR_{39}		1997 04 07.25278	14 33 36.85	−05 36 54.0		4	809
1997 GR_{39}		1997 04 07.26597	14 33 36.27	−05 36 49.6		4	809
1997 GR_{39}		1997 04 08.22639	14 32 56.93	−05 32 21.4		4	809
1997 GR_{39}		1997 04 08.23958	14 32 56.37	−05 32 18.2		4	809
1997 GR_{39}		1997 04 08.25278	14 32 55.66	−05 32 15.2		4	809
1997 GS_{39}	*	1997 04 07.23958	14 33 55.23	−04 12 04.0	18.2	4	809
1997 GS_{39}		1997 04 07.25278	14 33 54.74	−04 11 57.8		4	809
1997 GS_{39}		1997 04 07.26597	14 33 54.25	−04 11 51.5		4	809
1997 GS_{39}		1997 04 08.22639	14 33 19.65	−04 04 37.1		4	809
1997 GS_{39}		1997 04 08.23958	14 33 19.09	−04 04 30.9		4	809
1997 GS_{39}		1997 04 08.25278	14 33 18.52	−04 04 25.0		4	809
1997 GT_{39}	*	1997 04 07.23958	14 34 08.86	−06 20 20.1	18.1	4	809
1997 GT_{39}		1997 04 07.25278	14 34 08.19	−06 20 17.0		4	809
1997 GT_{39}		1997 04 07.26597	14 34 07.59	−06 20 13.6		4	809
1997 GT_{39}		1997 04 08.22639	14 33 25.10	−06 16 08.1		4	809
1997 GT_{39}		1997 04 08.23958	14 33 24.48	−06 16 04.8		4	809
1997 GT_{39}		1997 04 08.25278	14 33 23.77	−06 16 00.9		4	809
1997 GT_{39}		1997 04 09.25972	14 32 37.75	−06 11 35.2	18.1	4	809
1997 GT_{39}		1997 04 09.27292	14 32 37.01	−06 11 31.7		4	809
1997 GT_{39}		1997 04 09.28611	14 32 36.37	−06 11 28.9		4	809
1997 GT_{39}		1997 04 10.20139	14 31 53.22	−06 07 30.7		4	809
1997 GT_{39}		1997 04 10.21458	14 31 52.55	−06 07 27.6		4	809
1997 GT_{39}		1997 04 10.22778	14 31 51.88	−06 07 24.2		4	809
1997 GU_{39}	*	1997 04 07.23958	14 34 18.99	−04 54 10.8	18.6	4	809
1997 GU_{39}		1997 04 07.25278	14 34 18.43	−04 54 06.3		4	809
1997 GU_{39}		1997 04 07.26597	14 34 17.90	−04 54 02.4		4	809
1997 GU_{39}		1997 04 08.22639	14 33 37.35	−04 49 44.4		4	809
1997 GU_{39}		1997 04 08.23958	14 33 36.64	−04 49 37.3		4	809
1997 GU_{39}		1997 04 08.25278	14 33 36.20	−04 49 33.3		4	809
1997 GV_{39}	*	1997 04 07.23958	14 34 26.86	−04 47 36.0	18.3	4	809
1997 GV_{39}		1997 04 07.25278	14 34 26.41	−04 47 30.6		4	809
1997 GV_{39}		1997 04 07.26597	14 34 25.88	−04 47 24.2		4	809
1997 GV_{39}		1997 04 08.22639	14 33 51.76	−04 40 35.6		4	809
1997 GV_{39}		1997 04 08.23958	14 33 51.28	−04 40 30.2		4	809
1997 GV_{39}		1997 04 08.25278	14 33 50.82	−04 40 24.7		4	809
1997 GW_{39}	*	1997 04 07.23958	14 35 02.95	−06 48 17.6	18.3	4	809
1997 GW_{39}		1997 04 07.25278	14 35 02.35	−06 48 15.4		4	809
1997 GW_{39}		1997 04 07.26597	14 35 01.73	−06 48 13.2		4	809
1997 GW_{39}		1997 04 08.22639	14 34 20.15	−06 45 23.0		4	809
1997 GW_{39}		1997 04 08.23958	14 34 19.47	−06 45 20.8		4	809
1997 GW_{39}		1997 04 08.25278	14 34 18.85	−06 45 18.3		4	809
1997 GW_{39}		1997 04 09.25972	14 33 33.78	−06 42 11.1	18.3	4	809
1997 GW_{39}		1997 04 09.27292	14 33 33.16	−06 42 08.9		4	809
1997 GW_{39}		1997 04 09.28611	14 33 32.48	−06 42 06.2		4	809
1997 GW_{39}		1997 04 10.20139	14 32 50.37	−06 39 20.9		4	809
1997 GW_{39}		1997 04 10.21458	14 32 49.70	−06 39 18.8		4	809
1997 GW_{39}		1997 04 10.22778	14 32 49.07	−06 39 16.1		4	809
1997 GX_{39}	*	1997 04 07.23958	14 35 28.69	−03 18 49.8	18.5	4	809
1997 GX_{39}		1997 04 07.25278	14 35 28.16	−03 18 46.1		4	809
1997 GX_{39}		1997 04 07.26597	14 35 27.62	−03 18 42.3		4	809
1997 GX_{39}		1997 04 08.22639	14 34 50.46	−03 14 55.9		4	809
1997 GX_{39}		1997 04 08.23958	14 34 49.91	−03 14 53.5		4	809
1997 GX_{39}		1997 04 08.25278	14 34 49.35	−03 14 49.4		4	809
1997 GY_{39}	*	1997 04 07.23958	14 35 39.54	−06 18 56.5	18.6	4	809
1997 GY_{39}		1997 04 07.25278	14 35 38.83	−06 18 55.7		4	809
1997 GY_{39}		1997 04 07.26597	14 35 38.12	−06 18 55.5		4	809
1997 GY_{39}		1997 04 08.22639	14 34 49.10	−06 18 48.6		4	809
1997 GY_{39}		1997 04 08.23958	14 34 48.45	−06 18 48.2		4	809
1997 GY_{39}		1997 04 08.25278	14 34 47.69	−06 18 47.9		4	809
1997 GY_{39}		1997 04 09.25972	14 33 55.24	−06 18 31.6	18.5	4	809

1997 GY_{39}		1997 04 09.27292	14 33 54.50	−06 18 31.1		4	809
1997 GY_{39}		1997 04 09.28611	14 33 53.81	−06 18 31.4		4	809
1997 GY_{39}		1997 04 10.20139	14 33 04.94	−06 18 23.5		4	809
1997 GY_{39}		1997 04 10.21458	14 33 04.26	−06 18 23.4		4	809
1997 GY_{39}		1997 04 10.22778	14 33 03.51	−06 18 22.8		4	809
1997 GZ_{39}	*	1997 04 07.23958	14 35 56.95	−03 26 00.4	18.5	4	809
1997 GZ_{39}		1997 04 07.25278	14 35 56.40	−03 25 54.8		4	809
1997 GZ_{39}		1997 04 07.26597	14 35 55.85	−03 25 49.3		4	809
1997 GZ_{39}		1997 04 08.22639	14 35 19.17	−03 19 11.0		4	809
1997 GZ_{39}		1997 04 08.23958	14 35 18.70	−03 19 06.2		4	809
1997 GZ_{39}		1997 04 08.25278	14 35 18.15	−03 19 00.5		4	809
1997 GA_{40}	*	1997 04 07.23958	14 36 01.40	−06 44 22.3	18.3	4	809
1997 GA_{40}		1997 04 07.25278	14 36 00.94	−06 44 14.3		4	809
1997 GA_{40}		1997 04 07.26597	14 36 00.43	−06 44 06.5		4	809
1997 GA_{40}		1997 04 08.22639	14 35 27.16	−06 34 32.6		4	809
1997 GA_{40}		1997 04 08.23958	14 35 26.64	−06 34 23.0		4	809
1997 GA_{40}		1997 04 08.25278	14 35 26.14	−06 34 15.0		4	809
1997 GA_{40}		1997 04 09.25972	14 34 50.30	−06 24 03.8	18.3	4	809
1997 GA_{40}		1997 04 09.27292	14 34 49.77	−06 23 55.9		4	809
1997 GA_{40}		1997 04 09.28611	14 34 49.25	−06 23 48.0		4	809
1997 GA_{40}		1997 04 10.20139	14 34 15.51	−06 14 34.4		4	809
1997 GA_{40}		1997 04 10.21458	14 34 15.08	−06 14 26.1		4	809
1997 GA_{40}		1997 04 10.22778	14 34 14.51	−06 14 18.3		4	809
1997 GB_{40}	*	1997 04 07.23958	14 36 03.88	−05 11 04.7	18.4	4	809
1997 GB_{40}		1997 04 07.25278	14 36 03.21	−05 11 02.6		4	809
1997 GB_{40}		1997 04 07.26597	14 36 02.56	−05 11 00.5		4	809
1997 GB_{40}		1997 04 08.22639	14 35 16.86	−05 08 55.9		4	809
1997 GB_{40}		1997 04 08.23958	14 35 16.14	−05 08 55.4		4	809
1997 GB_{40}		1997 04 08.25278	14 35 15.52	−05 08 53.3		4	809
1997 GC_{40}	*	1997 04 07.23958	14 36 47.78	−05 30 31.0	18.3	4	809
1997 GC_{40}		1997 04 07.25278	14 36 47.30	−05 30 25.1		4	809
1997 GC_{40}		1997 04 07.26597	14 36 46.77	−05 30 18.0		4	809
1997 GC_{40}		1997 04 08.22639	14 36 10.70	−05 22 18.9		4	809
1997 GC_{40}		1997 04 08.23958	14 36 10.17	−05 22 11.5		4	809
1997 GC_{40}		1997 04 08.25278	14 36 09.62	−05 22 05.0		4	809
1997 GC_{40}		1997 04 09.25972	14 35 30.45	−05 13 41.7	18.3	4	809
1997 GC_{40}		1997 04 09.27292	14 35 29.92	−05 13 35.6		4	809
1997 GC_{40}		1997 04 09.28611	14 35 29.39	−05 13 28.9		4	809
1997 GD_{40}	*	1997 04 07.23958	14 37 06.54	−04 30 28.8	18.7	4	809
1997 GD_{40}		1997 04 07.25278	14 37 05.86	−04 30 18.3		4	809
1997 GD_{40}		1997 04 07.26597	14 37 05.42	−04 30 08.0		4	809
1997 GD_{40}		1997 04 08.22639	14 36 27.08	−04 17 22.6		4	809
1997 GD_{40}		1997 04 08.23958	14 36 26.46	−04 17 11.8		4	809
1997 GD_{40}		1997 04 08.25278	14 36 26.02	−04 17 03.3		4	809
1997 GE_{40}	*	1997 04 07.23958	14 37 19.07	−06 00 05.0	18.5	4	809
1997 GE_{40}		1997 04 07.25278	14 37 18.60	−05 59 57.8		4	809
1997 GE_{40}		1997 04 07.26597	14 37 18.12	−05 59 50.5		4	809
1997 GE_{40}		1997 04 08.22639	14 36 42.88	−05 51 08.0		4	809
1997 GE_{40}		1997 04 08.23958	14 36 42.41	−05 51 01.7		4	809
1997 GE_{40}		1997 04 08.25278	14 36 41.82	−05 50 53.4		4	809
1997 GF_{40}	*	1997 04 07.23958	14 37 57.83	−06 23 34.1	18.7	4	809
1997 GF_{40}		1997 04 07.25278	14 37 57.24	−06 23 29.2		4	809
1997 GF_{40}		1997 04 07.26597	14 37 56.67	−06 23 24.8		4	809
1997 GF_{40}		1997 04 08.22639	14 37 18.32	−06 17 26.5		4	809
1997 GF_{40}		1997 04 08.23958	14 37 17.61	−06 17 20.5		4	809
1997 GF_{40}		1997 04 08.25278	14 37 17.08	−06 17 15.6		4	809
1997 GG_{40}	*	1997 04 07.23958	14 38 01.50	−03 10 18.0	18.4	4	809
1997 GG_{40}		1997 04 07.25278	14 38 00.92	−03 10 12.8		4	809
1997 GG_{40}		1997 04 07.26597	14 38 00.36	−03 10 08.5		4	809
1997 GG_{40}		1997 04 08.22639	14 37 17.20	−03 04 25.5		4	809
1997 GG_{40}		1997 04 08.23958	14 37 16.51	−03 04 19.6		4	809
1997 GG_{40}		1997 04 08.25278	14 37 15.93	−03 04 15.3		4	809
1997 GH_{40}	*	1997 04 07.23958	14 38 03.55	−05 56 18.7	18.6	4	809
1997 GH_{40}		1997 04 07.25278	14 38 02.88	−05 56 14.2		4	809
1997 GH_{40}		1997 04 07.26597	14 38 02.35	−05 56 11.6		4	809
1997 GH_{40}		1997 04 08.22639	14 37 19.81	−05 51 41.8		4	809
1997 GH_{40}		1997 04 08.23958	14 37 19.13	−05 51 37.2		4	809
1997 GH_{40}		1997 04 08.25278	14 37 18.52	−05 51 33.7		4	809
1997 GJ_{40}	*	1997 04 07.23958	14 38 25.04	−02 50 21.3	18.5	4	809
1997 GJ_{40}		1997 04 07.25278	14 38 24.46	−02 50 13.2		4	809
1997 GJ_{40}		1997 04 07.26597	14 38 23.93	−02 50 07.6		4	809
1997 GJ_{40}		1997 04 08.22639	14 37 48.57	−02 42 15.3		4	809
1997 GJ_{40}		1997 04 08.23958	14 37 48.11	−02 42 08.6		4	809
1997 GJ_{40}		1997 04 08.25278	14 37 47.53	−02 42 03.1		4	809
1997 GK_{40}	*	1997 04 07.23958	14 39 23.09	−04 19 20.7	18.4	4	809
1997 GK_{40}		1997 04 07.25278	14 39 22.41	−04 19 19.7		4	809
1997 GK_{40}		1997 04 07.26597	14 39 21.72	−04 19 17.8		4	809
1997 GK_{40}		1997 04 08.22639	14 38 35.42	−04 17 51.0		4	809
1997 GK_{40}		1997 04 08.23958	14 38 34.70	−04 17 50.5		4	809
1997 GK_{40}		1997 04 08.25278	14 38 34.01	−04 17 49.5		4	809
1997 GL_{40}	*	1997 04 07.23958	14 40 48.88	−03 09 54.1	18.1	4	809
1997 GL_{40}		1997 04 07.25278	14 40 48.25	−03 09 55.6		4	809
1997 GL_{40}		1997 04 07.26597	14 40 47.53	−03 09 58.1		4	809
1997 GL_{40}		1997 04 08.22639	14 40 00.21	−03 13 01.4	18.1	4	809
1997 GL_{40}		1997 04 08.23958	14 39 59.55	−03 13 03.6		4	809
1997 GL_{40}		1997 04 08.25278	14 39 58.88	−03 13 06.0		4	809
1997 GM_{40}	*	1997 04 07.23958	14 40 58.51	−06 17 40.8	18.3	4	809
1997 GM_{40}		1997 04 07.25278	14 40 57.77	−06 17 39.2		4	809
1997 GM_{40}		1997 04 07.26597	14 40 57.05	−06 17 37.7		4	809
1997 GM_{40}		1997 04 08.22639	14 40 05.40	−06 15 38.1		4	809
1997 GM_{40}		1997 04 08.23958	14 40 04.62	−06 15 36.2		4	809
1997 GM_{40}		1997 04 08.25278	14 40 03.84	−06 15 35.0		4	809
1997 GM_{40}		1997 04 09.25972	14 39 08.34	−06 13 31.4	18.2	4	809
1997 GM_{40}		1997 04 09.27292	14 39 07.56	−06 13 29.9		4	809
1997 GM_{40}		1997 04 09.28611	14 39 06.79	−06 13 28.3		4	809
1997 GM_{40}		1997 04 10.20139	14 38 15.31	−06 11 34.2		4	809
1997 GM_{40}		1997 04 10.21458	14 38 14.57	−06 11 32.8		4	809
1997 GM_{40}		1997 04 10.22778	14 38 13.77	−06 11 30.9		4	809
1997 GN_{40}	*	1997 04 07.28403	14 54 26.06	−12 55 17.3	18.4	4	809
1997 GN_{40}		1997 04 07.29722	14 54 25.66	−12 55 17.2		4	809
1997 GN_{40}		1997 04 07.31042	14 54 25.14	−12 55 16.9		4	809
1997 GN_{40}		1997 04 08.27014	14 53 43.19	−12 54 53.1		4	809
1997 GN_{40}		1997 04 08.28333	14 53 42.51	−12 54 54.4		4	809
1997 GN_{40}		1997 04 08.29653	14 53 41.86	−12 54 53.7		4	809

1997 GO_{40}	*	1997 04 07.28403	14 54 45.51	−13 25 05.4	18.5	4	809
1997 GO_{40}		1997 04 07.29722	14 54 44.99	−13 25 05.6		4	809
1997 GO_{40}		1997 04 07.31042	14 54 44.45	−13 25 04.4		4	809
1997 GO_{40}		1997 04 08.27014	14 54 07.71	−13 23 21.6		4	809
1997 GO_{40}		1997 04 08.28333	14 54 07.00	−13 23 19.2		4	809
1997 GO_{40}		1997 04 08.29653	14 54 06.49	−13 23 18.4		4	809
1997 GP_{40}	*	1997 04 07.28403	14 55 56.48	−14 31 58.2	19.0	4	809
1997 GP_{40}		1997 04 07.29722	14 55 55.99	−14 31 56.5		4	809
1997 GP_{40}		1997 04 07.31042	14 55 55.52	−14 31 53.8		4	809
1997 GP_{40}		1997 04 08.27014	14 55 23.13	−14 28 56.9		4	809
1997 GP_{40}		1997 04 08.28333	14 55 22.66	−14 28 57.5		4	809
1997 GP_{40}		1997 04 08.29653	14 55 22.19	−14 28 54.8		4	809
1997 GQ_{40}	*	1997 04 07.28403	14 57 03.84	−14 34 24.5	19.2	4	809
1997 GQ_{40}		1997 04 07.29722	14 57 03.37	−14 34 22.7		4	809
1997 GQ_{40}		1997 04 07.31042	14 57 02.91	−14 34 19.6		4	809
1997 GQ_{40}		1997 04 08.27014	14 56 31.34	−14 31 37.8		4	809
1997 GQ_{40}		1997 04 08.28333	14 56 30.87	−14 31 35.6		4	809
1997 GQ_{40}		1997 04 08.29653	14 56 30.40	−14 31 34.0		4	809
1997 GR_{40}	*	1997 04 07.28403	14 57 09.85	−12 36 18.2	18.8	4	809
1997 GR_{40}		1997 04 07.29722	14 57 09.33	−12 36 14.8		4	809
1997 GR_{40}		1997 04 07.31042	14 57 08.88	−12 36 13.7		4	809
1997 GR_{40}		1997 04 08.27014	14 56 33.71	−12 33 07.8		4	809
1997 GR_{40}		1997 04 08.28333	14 56 33.18	−12 33 05.4		4	809
1997 GR_{40}		1997 04 08.29653	14 56 32.71	−12 33 03.2		4	809
1997 GS_{40}	*	1997 04 07.28403	14 57 32.65	−14 40 09.0	18.8	4	809
1997 GS_{40}		1997 04 07.29722	14 57 32.14	−14 40 05.0		4	809
1997 GS_{40}		1997 04 07.31042	14 57 31.64	−14 40 03.3		4	809
1997 GS_{40}		1997 04 08.27014	14 56 58.84	−14 37 05.8		4	809
1997 GS_{40}		1997 04 08.28333	14 56 58.36	−14 37 03.0		4	809
1997 GS_{40}		1997 04 08.29653	14 56 57.72	−14 37 01.3		4	809
1997 GT_{40}	*	1997 04 07.28403	14 58 14.38	−12 30 22.5	18.6	4	809
1997 GT_{40}		1997 04 07.29722	14 58 13.95	−12 30 21.1		4	809
1997 GT_{40}		1997 04 07.31042	14 58 13.46	−12 30 19.2		4	809
1997 GT_{40}		1997 04 08.27014	14 57 40.68	−12 27 31.4		4	809
1997 GT_{40}		1997 04 08.28333	14 57 40.17	−12 27 28.8		4	809
1997 GT_{40}		1997 04 08.29653	14 57 39.74	−12 27 26.9		4	809
1997 GU_{40}	*	1997 04 07.28403	14 59 34.07	−13 41 53.7	18.7	4	809
1997 GU_{40}		1997 04 07.29722	14 59 33.51	−13 41 52.9		4	809
1997 GU_{40}		1997 04 07.31042	14 59 33.00	−13 41 50.1		4	809
1997 GU_{40}		1997 04 08.27014	14 59 02.42	−13 40 22.2		4	809
1997 GU_{40}		1997 04 08.28333	14 59 01.84	−13 40 21.4		4	809
1997 GU_{40}		1997 04 08.29653	14 59 01.38	−13 40 20.6		4	809
1997 GV_{40}	*	1997 04 07.28403	15 02 10.27	−11 54 45.9	18.5	4	809
1997 GV_{40}		1997 04 07.29722	15 02 09.76	−11 54 43.0		4	809
1997 GV_{40}		1997 04 07.31042	15 02 09.28	−11 54 40.6		4	809
1997 GV_{40}		1997 04 08.27014	15 01 35.93	−11 51 33.4		4	809
1997 GV_{40}		1997 04 08.28333	15 01 35.43	−11 51 30.3		4	809
1997 GV_{40}		1997 04 08.29653	15 01 34.93	−11 51 27.4		4	809
1997 GW_{40}	*	1997 04 07.28403	15 02 45.75	−13 36 31.4	18.5	4	809
1997 GW_{40}		1997 04 07.29722	15 02 45.43	−13 36 26.0		4	809
1997 GW_{40}		1997 04 07.31042	15 02 45.05	−13 36 20.7		4	809
1997 GW_{40}		1997 04 08.27014	15 02 19.13	−13 28 43.6		4	809
1997 GW_{40}		1997 04 08.28333	15 02 18.67	−13 28 36.0		4	809
1997 GW_{40}		1997 04 08.29653	15 02 18.27	−13 28 29.4		4	809
1997 GX_{40}	*	1997 04 07.28403	15 03 07.94	−10 45 52.1	18.5	4	809
1997 GX_{40}		1997 04 07.29722	15 03 07.38	−10 45 49.4		4	809
1997 GX_{40}		1997 04 07.31042	15 03 06.97	−10 45 48.2		4	809
1997 GX_{40}		1997 04 08.27014	15 02 33.12	−10 43 29.2		4	809
1997 GX_{40}		1997 04 08.28333	15 02 32.61	−10 43 26.1		4	809
1997 GX_{40}		1997 04 08.29653	15 02 32.20	−10 43 23.9		4	809
1997 GY_{40}	*	1997 04 07.28403	15 03 37.22	−12 51 14.0	18.6	4	809
1997 GY_{40}		1997 04 07.29722	15 03 36.64	−12 51 11.0		4	809
1997 GY_{40}		1997 04 07.31042	15 03 36.23	−12 51 09.2		4	809
1997 GY_{40}		1997 04 08.27014	15 02 57.72	−12 47 53.0		4	809
1997 GY_{40}		1997 04 08.28333	15 02 57.03	−12 47 50.0		4	809
1997 GY_{40}		1997 04 08.29653	15 02 56.55	−12 47 48.8		4	809
1997 GZ_{40}	*	1997 04 07.28403	15 05 21.03	−10 36 20.4	18.4	4	809
1997 GZ_{40}		1997 04 07.29722	15 05 20.62	−10 36 16.2		4	809
1997 GZ_{40}		1997 04 07.31042	15 05 20.19	−10 36 12.8		4	809
1997 GZ_{40}		1997 04 08.27014	15 04 51.32	−10 31 31.4		4	809
1997 GZ_{40}		1997 04 08.28333	15 04 50.85	−10 31 26.3		4	809
1997 GZ_{40}		1997 04 08.29653	15 04 50.37	−10 31 22.3		4	809
1997 GA_{41}	*	1997 04 07.28403	15 05 37.78	−15 13 55.8	18.6	4	809
1997 GA_{41}		1997 04 07.29722	15 05 37.38	−15 13 55.8		4	809
1997 GA_{41}		1997 04 07.31042	15 05 36.96	−15 13 54.8		4	809
1997 GA_{41}		1997 04 08.27014	15 05 08.65	−15 12 15.4		4	809
1997 GA_{41}		1997 04 08.28333	15 05 08.27	−15 12 14.7		4	809
1997 GA_{41}		1997 04 08.29653	15 05 07.81	−15 12 13.3		4	809
1997 GB_{41}	*	1997 04 07.28403	15 05 49.85	−10 17 10.3	18.6	4	809
1997 GB_{41}		1997 04 07.29722	15 05 49.42	−10 17 10.5		4	809
1997 GB_{41}		1997 04 07.31042	15 05 49.01	−10 17 09.2		4	809
1997 GB_{41}		1997 04 08.27014	15 05 20.63	−10 16 51.4		4	809
1997 GB_{41}		1997 04 08.28333	15 05 20.20	−10 16 51.0		4	809
1997 GB_{41}		1997 04 08.29653	15 05 19.77	−10 16 50.9		4	809
1997 GC_{41}	*	1997 04 07.28403	15 06 12.32	−14 15 13.4	18.6	4	809
1997 GC_{41}		1997 04 07.29722	15 06 11.92	−14 15 10.8		4	809
1997 GC_{41}		1997 04 07.31042	15 06 11.45	−14 15 09.0		4	809
1997 GC_{41}		1997 04 08.27014	15 05 40.60	−14 12 33.7		4	809
1997 GC_{41}		1997 04 08.28333	15 05 40.05	−14 12 31.9		4	809
1997 GC_{41}		1997 04 08.29653	15 05 39.57	−14 12 30.0		4	809
1997 GD_{41}	*	1997 04 07.28403	15 07 41.38	−12 03 53.3	18.6	4	809
1997 GD_{41}		1997 04 07.29722	15 07 40.90	−12 03 53.6		4	809
1997 GD_{41}		1997 04 07.31042	15 07 40.41	−12 03 53.2		4	809
1997 GD_{41}		1997 04 08.27014	15 07 07.30	−12 02 29.7		4	809
1997 GD_{41}		1997 04 08.28333	15 07 06.72	−12 02 30.1		4	809
1997 GD_{41}		1997 04 08.29653	15 07 06.19	−12 02 29.3		4	809
1997 GE_{41}	*	1997 04 07.28403	15 11 16.91	−14 29 33.2	18.2	4	809
1997 GE_{41}		1997 04 07.29722	15 11 16.67	−14 29 28.5		4	809
1997 GE_{41}		1997 04 07.31042	15 11 16.34	−14 29 21.1		4	809
1997 GE_{41}		1997 04 08.27014	15 10 56.63	−14 20 10.9		4	809
1997 GE_{41}		1997 04 08.28333	15 10 56.26	−14 20 03.3		4	809
1997 GE_{41}		1997 04 08.29653	15 10 55.99	−14 19 56.3		4	809
1997 GF_{41}	*	1997 04 07.28403	15 11 24.46	−12 56 51.5	18.4	4	809
1997 GF_{41}		1997 04 07.29722	15 11 24.10	−12 56 50.5		4	809

1997 GF_{41}		1997 04 07.31042	15 11 23.69	−12 56 49.0		4	809
1997 GF_{41}		1997 04 08.27014	15 10 57.37	−12 54 26.2		4	809
1997 GF_{41}		1997 04 08.28333	15 10 56.98	−12 54 24.5		4	809
1997 GF_{41}		1997 04 08.29653	15 10 56.58	−12 54 22.2		4	809
1997 GG_{41}	*	1997 04 09.25972	14 21 45.28	−09 20 35.7	18.4	4	809
1997 GG_{41}		1997 04 09.27292	14 21 44.54	−09 20 32.2		4	809
1997 GG_{41}		1997 04 09.28611	14 21 43.83	−09 20 29.3		4	809
1997 GG_{41}		1997 04 10.20139	14 20 58.52	−09 16 45.3		4	809
1997 GG_{41}		1997 04 10.21458	14 20 57.79	−09 16 42.1		4	809
1997 GG_{41}		1997 04 10.22778	14 20 57.06	−09 16 37.8		4	809
1997 GH_{41}	*	1997 04 09.25972	14 21 49.80	−08 46 17.8	18.5	4	809
1997 GH_{41}		1997 04 09.27292	14 21 49.07	−08 46 13.4		4	809
1997 GH_{41}		1997 04 09.28611	14 21 48.29	−08 46 08.9		4	809
1997 GH_{41}		1997 04 10.20139	14 21 04.21	−08 41 05.9		4	809
1997 GH_{41}		1997 04 10.21458	14 21 03.49	−08 41 01.3		4	809
1997 GH_{41}		1997 04 10.22778	14 21 02.82	−08 40 57.6		4	809
1997 GJ_{41}	*	1997 04 09.25972	14 23 01.64	−09 09 20.2	18.6	4	809
1997 GJ_{41}		1997 04 09.27292	14 23 01.05	−09 09 19.8		4	809
1997 GJ_{41}		1997 04 09.28611	14 23 00.43	−09 09 17.4		4	809
1997 GJ_{41}		1997 04 10.20139	14 22 21.27	−09 07 28.6		4	809
1997 GJ_{41}		1997 04 10.21458	14 22 20.70	−09 07 27.9		4	809
1997 GJ_{41}		1997 04 10.22778	14 22 20.08	−09 07 26.5		4	809
1997 GK_{41}	*	1997 04 09.25972	14 23 10.97	−09 51 27.4	18.4	4	809
1997 GK_{41}		1997 04 09.27292	14 23 10.33	−09 51 25.8		4	809
1997 GK_{41}		1997 04 09.28611	14 23 09.78	−09 51 25.7		4	809
1997 GK_{41}		1997 04 10.20139	14 22 29.50	−09 49 39.1		4	809
1997 GK_{41}		1997 04 10.21458	14 22 28.87	−09 49 37.5		4	809
1997 GK_{41}		1997 04 10.22778	14 22 28.21	−09 49 37.4		4	809
1997 GK_{41}		1997 04 11.22153	14 21 43.69	−09 47 40.9		4	809
1997 GK_{41}		1997 04 11.23472	14 21 43.05	−09 47 39.7		4	809
1997 GK_{41}		1997 04 11.24792	14 21 42.49	−09 47 36.9		4	809
1997 GK_{41}		1997 04 12.22639	14 20 57.86	−09 45 42.9		4	809
1997 GK_{41}		1997 04 12.23958	14 20 57.25	−09 45 41.5		4	809
1997 GK_{41}		1997 04 12.25278	14 20 56.58	−09 45 39.4		4	809
1997 GL_{41}	*	1997 04 09.25972	14 23 39.40	−10 02 09.9	18.3	4	809
1997 GL_{41}		1997 04 09.27292	14 23 38.79	−10 02 07.6		4	809
1997 GL_{41}		1997 04 09.28611	14 23 38.18	−10 02 04.2		4	809
1997 GL_{41}		1997 04 10.20139	14 22 57.60	−09 58 17.3		4	809
1997 GL_{41}		1997 04 10.21458	14 22 56.94	−09 58 14.4		4	809
1997 GL_{41}		1997 04 10.22778	14 22 56.32	−09 58 11.6		4	809
1997 GL_{41}		1997 04 11.22153	14 22 10.70	−09 54 03.6		4	809
1997 GL_{41}		1997 04 11.23472	14 22 10.11	−09 54 00.9		4	809
1997 GL_{41}		1997 04 11.24792	14 22 09.40	−09 53 57.5		4	809
1997 GL_{41}		1997 04 12.22639	14 21 23.34	−09 49 49.2		4	809
1997 GL_{41}		1997 04 12.23958	14 21 22.79	−09 49 47.3		4	809
1997 GL_{41}		1997 04 12.25278	14 21 22.17	−09 49 42.8		4	809
1997 GM_{41}	*	1997 04 09.25972	14 24 03.81	−09 46 15.0	18.3	4	809
1997 GM_{41}		1997 04 09.27292	14 24 03.17	−09 46 13.9		4	809
1997 GM_{41}		1997 04 09.28611	14 24 02.57	−09 46 12.7		4	809
1997 GM_{41}		1997 04 10.20139	14 23 22.13	−09 44 55.6		4	809
1997 GM_{41}		1997 04 10.21458	14 23 21.49	−09 44 54.1		4	809
1997 GM_{41}		1997 04 10.22778	14 23 20.87	−09 44 52.8		4	809
1997 GM_{41}		1997 04 11.22153	14 22 36.26	−09 43 27.2		4	809
1997 GM_{41}		1997 04 11.23472	14 22 35.63	−09 43 25.7		4	809
1997 GM_{41}		1997 04 11.24792	14 22 35.03	−09 43 25.3		4	809
1997 GM_{41}		1997 04 12.22639	14 21 50.21	−09 42 00.7		4	809
1997 GM_{41}		1997 04 12.23958	14 21 49.64	−09 41 58.3		4	809
1997 GM_{41}		1997 04 12.25278	14 21 49.04	−09 41 57.7		4	809
1997 GN_{41}	*	1997 04 09.25972	14 24 27.02	−08 54 55.7	18.4	4	809
1997 GN_{41}		1997 04 09.27292	14 24 26.36	−08 54 53.4		4	809
1997 GN_{41}		1997 04 09.28611	14 24 25.69	−08 54 50.6		4	809
1997 GN_{41}		1997 04 10.20139	14 23 43.74	−08 51 46.6		4	809
1997 GN_{41}		1997 04 10.21458	14 23 43.05	−08 51 44.4		4	809
1997 GN_{41}		1997 04 10.22778	14 23 42.36	−08 51 41.7		4	809
1997 GN_{41}		1997 04 11.22153	14 22 55.46	−08 48 24.4		4	809
1997 GN_{41}		1997 04 11.23472	14 22 54.77	−08 48 22.3		4	809
1997 GN_{41}		1997 04 11.24792	14 22 54.14	−08 48 19.6		4	809
1997 GO_{41}	*	1997 04 09.25972	14 24 44.96	−07 06 22.1	18.4	4	809
1997 GO_{41}		1997 04 09.27292	14 24 44.32	−07 06 16.7		4	809
1997 GO_{41}		1997 04 09.28611	14 24 43.69	−07 06 10.4		4	809
1997 GO_{41}		1997 04 10.20139	14 24 03.54	−06 59 18.5		4	809
1997 GO_{41}		1997 04 10.21458	14 24 02.90	−06 59 12.6		4	809
1997 GO_{41}		1997 04 10.22778	14 24 02.21	−06 59 07.2		4	809
1997 GP_{41}	*	1997 04 09.25972	14 24 58.04	−10 15 51.5	18.5	4	809
1997 GP_{41}		1997 04 09.27292	14 24 57.49	−10 15 47.3		4	809
1997 GP_{41}		1997 04 09.28611	14 24 57.05	−10 15 43.1		4	809
1997 GP_{41}		1997 04 10.20139	14 24 24.08	−10 10 51.3		4	809
1997 GP_{41}		1997 04 10.21458	14 24 23.54	−10 10 46.7		4	809
1997 GP_{41}		1997 04 10.22778	14 24 23.06	−10 10 42.6		4	809
1997 GQ_{41}	*	1997 04 09.25972	14 25 26.34	−10 21 27.5	18.4	4	809
1997 GQ_{41}		1997 04 09.27292	14 25 25.62	−10 21 23.7		4	809
1997 GQ_{41}		1997 04 09.28611	14 25 24.89	−10 21 21.4		4	809
1997 GQ_{41}		1997 04 10.20139	14 24 36.97	−10 17 25.4		4	809
1997 GQ_{41}		1997 04 10.21458	14 24 36.24	−10 17 21.4		4	809
1997 GQ_{41}		1997 04 10.22778	14 24 35.49	−10 17 18.4		4	809
1997 GQ_{41}		1997 04 11.22153	14 23 42.08	−10 13 00.4		4	809
1997 GQ_{41}		1997 04 11.23472	14 23 41.49	−10 12 57.2		4	809
1997 GQ_{41}		1997 04 11.24792	14 23 40.58	−10 12 52.9		4	809
1997 GR_{41}	*	1997 04 09.25972	14 25 41.80	−08 50 27.8	18.8	4	809
1997 GR_{41}		1997 04 09.27292	14 25 41.11	−08 50 23.8		4	809
1997 GR_{41}		1997 04 09.28611	14 25 40.37	−08 50 20.4		4	809
1997 GR_{41}		1997 04 10.20139	14 24 56.51	−08 45 42.5		4	809
1997 GR_{41}		1997 04 10.21458	14 24 55.80	−08 45 37.4		4	809
1997 GR_{41}		1997 04 10.22778	14 24 55.00	−08 45 34.3		4	809
1997 GS_{41}	*	1997 04 09.25972	14 25 51.79	−07 45 42.9	18.5	4	809
1997 GS_{41}		1997 04 09.27292	14 25 51.24	−07 45 40.0		4	809
1997 GS_{41}		1997 04 09.28611	14 25 50.67	−07 45 37.0		4	809
1997 GS_{41}		1997 04 10.20139	14 25 14.28	−07 42 09.0		4	809
1997 GS_{41}		1997 04 10.21458	14 25 13.68	−07 42 06.9		4	809
1997 GS_{41}		1997 04 10.22778	14 25 13.06	−07 42 03.5		4	809
1997 GT_{41}	*	1997 04 09.25972	14 26 59.00	−09 21 53.5	18.5	4	809
1997 GT_{41}		1997 04 09.27292	14 26 58.29	−09 21 39.8		4	809
1997 GT_{41}		1997 04 09.28611	14 26 57.58	−09 21 24.0		4	809
1997 GT_{41}		1997 04 10.20139	14 26 13.51	−09 03 49.7		4	809

1997 GT_{41}		1997 04 10.21458	14 26 12.75	−09 03 37.6		4	809
1997 GT_{41}		1997 04 10.22778	14 26 12.03	−09 03 22.2		4	809
1997 GU_{41}	*	1997 04 09.25972	14 29 39.10	−09 05 12.4	18.3	4	809
1997 GU_{41}		1997 04 09.27292	14 29 38.52	−09 05 11.5		4	809
1997 GU_{41}		1997 04 09.28611	14 29 37.93	−09 05 09.6		4	809
1997 GU_{41}		1997 04 10.20139	14 28 58.52	−09 03 30.0		4	809
1997 GU_{41}		1997 04 10.21458	14 28 57.86	−09 03 29.4		4	809
1997 GU_{41}		1997 04 10.22778	14 28 57.35	−09 03 28.5		4	809
1997 GU_{41}		1997 04 11.22153	14 28 13.98	−09 01 34.7		4	809
1997 GU_{41}		1997 04 11.23472	14 28 13.46	−09 01 32.6		4	809
1997 GU_{41}		1997 04 11.24792	14 28 12.82	−09 01 31.0		4	809
1997 GU_{41}		1997 04 12.22639	14 27 29.49	−08 59 41.6		4	809
1997 GU_{41}		1997 04 12.23958	14 27 28.87	−08 59 39.3		4	809
1997 GU_{41}		1997 04 12.25278	14 27 28.25	−08 59 37.1		4	809
1997 GV_{41}	*	1997 04 09.25972	14 30 47.16	−08 01 20.7	18.7	4	809
1997 GV_{41}		1997 04 09.27292	14 30 46.57	−08 01 14.7		4	809
1997 GV_{41}		1997 04 09.28611	14 30 46.13	−08 01 09.1		4	809
1997 GV_{41}		1997 04 10.20139	14 30 13.37	−07 54 48.4		4	809
1997 GV_{41}		1997 04 10.21458	14 30 12.91	−07 54 43.3		4	809
1997 GV_{41}		1997 04 10.22778	14 30 12.38	−07 54 36.8		4	809
1997 GW_{41}	*	1997 04 09.25972	14 31 59.02	−08 42 39.1	18.7	4	809
1997 GW_{41}		1997 04 09.27292	14 31 58.47	−08 42 32.4		4	809
1997 GW_{41}		1997 04 09.28611	14 31 58.01	−08 42 24.7		4	809
1997 GW_{41}		1997 04 10.20139	14 31 27.29	−08 33 59.9		4	809
1997 GW_{41}		1997 04 10.21458	14 31 26.57	−08 33 51.0		4	809
1997 GW_{41}		1997 04 10.22778	14 31 26.00	−08 33 41.9		4	809
1997 GX_{41}	*	1997 04 09.25972	14 32 37.63	−07 31 01.5	18.4	4	809
1997 GX_{41}		1997 04 09.27292	14 32 37.19	−07 30 56.1		4	809
1997 GX_{41}		1997 04 09.28611	14 32 36.68	−07 30 51.3		4	809
1997 GX_{41}		1997 04 10.20139	14 32 03.27	−07 24 41.7		4	809
1997 GX_{41}		1997 04 10.21458	14 32 02.84	−07 24 36.6		4	809
1997 GX_{41}		1997 04 10.22778	14 32 02.31	−07 24 31.0		4	809
1997 GY_{41}	*	1997 04 09.25972	14 32 41.03	−08 58 57.3	18.6	4	809
1997 GY_{41}		1997 04 09.27292	14 32 40.40	−08 58 55.1		4	809
1997 GY_{41}		1997 04 09.28611	14 32 39.75	−08 58 52.2		4	809
1997 GY_{41}		1997 04 10.20139	14 31 59.26	−08 55 36.6		4	809
1997 GY_{41}		1997 04 10.21458	14 31 58.51	−08 55 33.7		4	809
1997 GY_{41}		1997 04 10.22778	14 31 57.92	−08 55 30.3		4	809
1997 GY_{41}		1997 04 11.22153	14 31 13.13	−08 51 48.2		4	809
1997 GY_{41}		1997 04 11.23472	14 31 12.38	−08 51 45.6		4	809
1997 GY_{41}		1997 04 11.24792	14 31 11.78	−08 51 42.8		4	809
1997 GZ_{41}	*	1997 04 09.25972	14 33 00.57	−10 19 21.6	18.3	4	809
1997 GZ_{41}		1997 04 09.27292	14 32 59.94	−10 19 18.9		4	809
1997 GZ_{41}		1997 04 09.28611	14 32 59.35	−10 19 15.7		4	809
1997 GZ_{41}		1997 04 10.20139	14 32 21.24	−10 15 23.8		4	809
1997 GZ_{41}		1997 04 10.21458	14 32 20.63	−10 15 21.1		4	809
1997 GZ_{41}		1997 04 10.22778	14 32 20.01	−10 15 18.0		4	809
1997 GZ_{41}		1997 04 11.22153	14 31 37.13	−10 10 54.0		4	809
1997 GZ_{41}		1997 04 11.23472	14 31 36.51	−10 10 51.1		4	809
1997 GZ_{41}		1997 04 11.24792	14 31 35.86	−10 10 48.4		4	809
1997 GZ_{41}		1997 04 12.22639	14 30 51.91	−10 06 30.4		4	809
1997 GZ_{41}		1997 04 12.23958	14 30 51.24	−10 06 25.4		4	809
1997 GZ_{41}		1997 04 12.25278	14 30 50.57	−10 06 21.1		4	809
1997 GA_{42}	*	1997 04 09.25972	14 33 22.20	−09 35 50.0	18.5	4	809
1997 GA_{42}		1997 04 09.27292	14 33 21.57	−09 35 49.1		4	809
1997 GA_{42}		1997 04 09.28611	14 33 20.94	−09 35 48.1		4	809
1997 GA_{42}		1997 04 10.20139	14 32 35.85	−09 34 35.5		4	809
1997 GA_{42}		1997 04 10.21458	14 32 35.07	−09 34 34.1		4	809
1997 GA_{42}		1997 04 10.22778	14 32 34.28	−09 34 33.4		4	809
1997 GA_{42}		1997 04 11.22153	14 31 44.46	−09 33 07.7		4	809
1997 GA_{42}		1997 04 11.23472	14 31 43.80	−09 33 06.2		4	809
1997 GA_{42}		1997 04 11.24792	14 31 43.02	−09 33 05.9		4	809
1997 GB_{42}	*	1997 04 09.25972	14 35 12.87	−08 05 06.6	18.4	4	809
1997 GB_{42}		1997 04 09.27292	14 35 12.22	−08 05 06.0		4	809
1997 GB_{42}		1997 04 09.28611	14 35 11.51	−08 05 04.7		4	809
1997 GB_{42}		1997 04 10.20139	14 34 25.89	−08 03 05.3		4	809
1997 GB_{42}		1997 04 10.21458	14 34 25.14	−08 03 03.0		4	809
1997 GB_{42}		1997 04 10.22778	14 34 24.45	−08 03 00.3		4	809
1997 GC_{42}	*	1997 04 09.25972	14 36 50.42	−09 46 06.7	18.4	4	809
1997 GC_{42}		1997 04 09.27292	14 36 49.69	−09 46 03.6		4	809
1997 GC_{42}		1997 04 09.28611	14 36 49.05	−09 46 00.9		4	809
1997 GC_{42}		1997 04 10.20139	14 36 04.87	−09 42 12.2		4	809
1997 GC_{42}		1997 04 10.21458	14 36 04.23	−09 42 08.8		4	809
1997 GC_{42}		1997 04 10.22778	14 36 03.49	−09 42 04.8		4	809
1997 GC_{42}		1997 04 11.22153	14 35 14.52	−09 37 48.9		4	809
1997 GC_{42}		1997 04 11.23472	14 35 13.90	−09 37 46.1		4	809
1997 GC_{42}		1997 04 11.24792	14 35 13.18	−09 37 43.0		4	809
1997 GC_{42}		1997 04 12.22639	14 34 24.12	−09 33 31.4		4	809
1997 GC_{42}		1997 04 12.23958	14 34 23.32	−09 33 28.2		4	809
1997 GC_{42}		1997 04 12.25278	14 34 22.68	−09 33 22.5		4	809
1997 GD_{42}	*	1997 04 09.25972	14 36 55.42	−09 24 22.7	18.3	4	809
1997 GD_{42}		1997 04 09.27292	14 36 54.84	−09 24 16.2		4	809
1997 GD_{42}		1997 04 09.28611	14 36 54.23	−09 24 10.5		4	809
1997 GD_{42}		1997 04 10.20139	14 36 16.09	−09 17 31.8		4	809
1997 GD_{42}		1997 04 10.21458	14 36 15.47	−09 17 26.7		4	809
1997 GD_{42}		1997 04 10.22778	14 36 14.91	−09 17 21.1		4	809
1997 GD_{42}		1997 04 11.22153	14 35 32.22	−09 10 00.2		4	809
1997 GD_{42}		1997 04 11.23472	14 35 31.60	−09 09 55.4		4	809
1997 GD_{42}		1997 04 11.24792	14 35 30.99	−09 09 49.0		4	809
1997 GD_{42}		1997 04 12.22639	14 34 47.86	−09 02 34.5		4	809
1997 GD_{42}		1997 04 12.23958	14 34 47.23	−09 02 28.2		4	809
1997 GD_{42}		1997 04 12.25278	14 34 46.63	−09 02 21.9		4	809
1997 GE_{42}	*	1997 04 09.25972	14 38 56.80	−09 27 25.3	18.6	4	809
1997 GE_{42}		1997 04 09.27292	14 38 56.21	−09 27 21.2		4	809
1997 GE_{42}		1997 04 09.28611	14 38 55.66	−09 27 18.7		4	809
1997 GE_{42}		1997 04 10.20139	14 38 19.31	−09 24 09.6		4	809
1997 GE_{42}		1997 04 10.21458	14 38 18.74	−09 24 06.3		4	809
1997 GE_{42}		1997 04 10.22778	14 38 18.10	−09 24 03.1		4	809
1997 GE_{42}		1997 04 11.22153	14 37 37.43	−09 20 30.7		4	809
1997 GE_{42}		1997 04 11.23472	14 37 36.90	−09 20 29.7		4	809
1997 GE_{42}		1997 04 11.24792	14 37 36.25	−09 20 27.4		4	809
1997 GF_{42}	*	1997 04 09.25972	14 39 01.83	−08 42 09.1	18.6	4	809
1997 GF_{42}		1997 04 09.27292	14 39 01.40	−08 42 06.5		4	809
1997 GF_{42}		1997 04 09.28611	14 39 00.94	−08 42 03.5		4	809

1997 GF_{42}		1997 04 10.20139	14 38 31.56	−08 38 26.4		4	809
1997 GF_{42}		1997 04 10.21458	14 38 31.11	−08 38 23.6		4	809
1997 GF_{42}		1997 04 10.22778	14 38 30.62	−08 38 20.5		4	809
1997 GF_{42}		1997 04 11.22153	14 37 57.86	−08 34 25.7		4	809
1997 GF_{42}		1997 04 11.23472	14 37 57.37	−08 34 22.6		4	809
1997 GF_{42}		1997 04 11.24792	14 37 56.90	−08 34 18.1		4	809
1997 GG_{42}	*	1997 04 09.25972	14 39 56.41	−09 09 03.3	18.7	4	809
1997 GG_{42}		1997 04 09.27292	14 39 55.75	−09 08 59.6		4	809
1997 GG_{42}		1997 04 09.28611	14 39 55.11	−09 08 58.0		4	809
1997 GG_{42}		1997 04 10.20139	14 39 15.61	−09 06 15.8		4	809
1997 GG_{42}		1997 04 10.21458	14 39 14.95	−09 06 13.7		4	809
1997 GG_{42}		1997 04 10.22778	14 39 14.42	−09 06 13.1		4	809
1997 GH_{42}	*	1997 04 09.25972	14 40 42.07	−07 35 20.6	18.6	4	809
1997 GH_{42}		1997 04 09.27292	14 40 41.47	−07 35 18.1		4	809
1997 GH_{42}		1997 04 09.28611	14 40 40.85	−07 35 16.1		4	809
1997 GH_{42}		1997 04 10.20139	14 40 02.13	−07 32 04.8		4	809
1997 GH_{42}		1997 04 10.21458	14 40 01.43	−07 32 02.3		4	809
1997 GH_{42}		1997 04 10.22778	14 40 00.86	−07 31 59.6		4	809
1997 GJ_{42}	*	1997 04 09.25972	14 41 23.39	−08 30 32.1	18.5	4	809
1997 GJ_{42}		1997 04 09.27292	14 41 22.76	−08 30 29.8		4	809
1997 GJ_{42}		1997 04 09.28611	14 41 22.10	−08 30 27.4		4	809
1997 GJ_{42}		1997 04 10.20139	14 40 39.10	−08 27 22.0		4	809
1997 GJ_{42}		1997 04 10.21458	14 40 38.48	−08 27 17.0		4	809
1997 GJ_{42}		1997 04 10.22778	14 40 37.85	−08 27 15.6		4	809
1997 GK_{42}	*	1997 04 11.22153	14 24 06.40	−12 51 41.3	18.3	4	809
1997 GK_{42}		1997 04 11.23472	14 24 05.77	−12 51 35.7		4	809
1997 GK_{42}		1997 04 11.24792	14 24 05.16	−12 51 31.3		4	809
1997 GK_{42}		1997 04 12.22639	14 23 19.82	−12 45 11.2		4	809
1997 GK_{42}		1997 04 12.23958	14 23 19.16	−12 45 06.6		4	809
1997 GK_{42}		1997 04 12.25278	14 23 18.47	−12 45 00.0		4	809
1997 GL_{42}	*	1997 04 11.22153	14 24 26.44	−11 50 08.9	18.4	4	809
1997 GL_{42}		1997 04 11.23472	14 24 25.77	−11 50 03.8		4	809
1997 GL_{42}		1997 04 11.24792	14 24 25.12	−11 50 00.2		4	809
1997 GL_{42}		1997 04 12.22639	14 23 37.95	−11 44 32.9		4	809
1997 GL_{42}		1997 04 12.23958	14 23 37.29	−11 44 27.9		4	809
1997 GL_{42}		1997 04 12.25278	14 23 36.66	−11 44 24.2		4	809
1997 GM_{42}	*	1997 04 11.22153	14 25 06.76	−09 19 52.4		4	809
1997 GM_{42}		1997 04 11.23472	14 25 06.15	−09 19 48.4		4	809
1997 GM_{42}		1997 04 11.24792	14 25 05.57	−09 19 45.5		4	809
1997 GM_{42}		1997 04 12.22639	14 24 22.29	−09 15 25.3		4	809
1997 GM_{42}		1997 04 12.23958	14 24 21.72	−09 15 23.2		4	809
1997 GM_{42}		1997 04 12.25278	14 24 20.96	−09 15 18.2		4	809
1997 GN_{42}	*	1997 04 11.22153	14 25 08.01	−11 41 37.2	18.5	4	809
1997 GN_{42}		1997 04 11.23472	14 25 07.36	−11 41 33.9		4	809
1997 GN_{42}		1997 04 11.24792	14 25 06.66	−11 41 31.9		4	809
1997 GN_{42}		1997 04 12.22639	14 24 22.91	−11 38 31.4		4	809
1997 GN_{42}		1997 04 12.23958	14 24 22.27	−11 38 27.7		4	809
1997 GN_{42}		1997 04 12.25278	14 24 21.66	−11 38 24.7		4	809
1997 GO_{42}	*	1997 04 11.22153	14 25 19.94	−13 33 43.7	18.4	4	809
1997 GO_{42}		1997 04 11.23472	14 25 19.32	−13 33 39.5		4	809
1997 GO_{42}		1997 04 11.24792	14 25 18.64	−13 33 36.3		4	809
1997 GO_{42}		1997 04 12.22639	14 24 32.84	−13 28 31.2		4	809
1997 GO_{42}		1997 04 12.23958	14 24 32.10	−13 28 27.6		4	809
1997 GO_{42}		1997 04 12.25278	14 24 31.47	−13 28 22.5		4	809
1997 GP_{42}	*	1997 04 11.22153	14 27 26.98	−12 31 10.5	18.4	4	809
1997 GP_{42}		1997 04 11.23472	14 27 26.26	−12 31 12.5		4	809
1997 GP_{42}		1997 04 11.24792	14 27 25.47	−12 31 12.7		4	809
1997 GP_{42}		1997 04 12.22639	14 26 35.98	−12 31 14.3		4	809
1997 GP_{42}		1997 04 12.23958	14 26 35.27	−12 31 13.7		4	809
1997 GP_{42}		1997 04 12.25278	14 26 34.54	−12 31 13.0		4	809
1997 GQ_{42}	*	1997 04 11.22153	14 28 42.76	−11 46 28.7	18.4	4	809
1997 GQ_{42}		1997 04 11.23472	14 28 42.13	−11 46 21.3		4	809
1997 GQ_{42}		1997 04 11.24792	14 28 41.55	−11 46 15.8		4	809
1997 GQ_{42}		1997 04 12.22639	14 27 57.98	−11 37 32.3		4	809
1997 GQ_{42}		1997 04 12.23958	14 27 57.34	−11 37 24.9		4	809
1997 GQ_{42}		1997 04 12.25278	14 27 56.75	−11 37 17.7		4	809
1997 GR_{42}	*	1997 04 11.22153	14 29 07.92	−12 25 38.5	18.5	4	809
1997 GR_{42}		1997 04 11.23472	14 29 07.29	−12 25 35.4		4	809
1997 GR_{42}		1997 04 11.24792	14 29 06.45	−12 25 30.6		4	809
1997 GR_{42}		1997 04 12.22639	14 28 12.56	−12 21 07.9		4	809
1997 GR_{42}		1997 04 12.23958	14 28 11.77	−12 21 03.6		4	809
1997 GR_{42}		1997 04 12.25278	14 28 10.96	−12 20 59.6		4	809
1997 GS_{42}	*	1997 04 11.22153	14 31 20.99	−09 56 42.6	18.5	4	809
1997 GS_{42}		1997 04 11.23472	14 31 20.28	−09 56 42.4		4	809
1997 GS_{42}		1997 04 11.24792	14 31 19.58	−09 56 41.1		4	809
1997 GS_{42}		1997 04 12.22639	14 30 28.77	−09 55 24.7		4	809
1997 GS_{42}		1997 04 12.23958	14 30 28.03	−09 55 23.8		4	809
1997 GS_{42}		1997 04 12.25278	14 30 27.32	−09 55 22.2		4	809
1997 GT_{42}	*	1997 04 11.22153	14 32 06.34	−11 03 23.6	18.5	4	809
1997 GT_{42}		1997 04 11.23472	14 32 05.78	−11 03 17.7		4	809
1997 GT_{42}		1997 04 11.24792	14 32 05.24	−11 03 12.4		4	809
1997 GT_{42}		1997 04 12.22639	14 31 25.67	−10 56 03.5		4	809
1997 GT_{42}		1997 04 12.23958	14 31 25.10	−10 55 57.7		4	809
1997 GT_{42}		1997 04 12.25278	14 31 24.60	−10 55 52.1		4	809
1997 GU_{42}	*	1997 04 11.22153	14 33 27.07	−09 51 28.5		4	809
1997 GU_{42}		1997 04 11.23472	14 33 26.53	−09 51 27.4		4	809
1997 GU_{42}		1997 04 11.24792	14 33 25.91	−09 51 24.6		4	809
1997 GU_{42}		1997 04 12.22639	14 32 41.39	−09 48 14.9		4	809
1997 GU_{42}		1997 04 12.23958	14 32 40.75	−09 48 13.3		4	809
1997 GU_{42}		1997 04 12.25278	14 32 40.14	−09 48 09.9		4	809
1997 GV_{42}	*	1997 04 11.22153	14 38 40.97	−10 33 48.8	18.5	4	809
1997 GV_{42}		1997 04 11.23472	14 38 40.40	−10 33 44.1		4	809
1997 GV_{42}		1997 04 11.24792	14 38 39.79	−10 33 39.8		4	809
1997 GV_{42}		1997 04 12.22639	14 37 55.97	−10 27 10.8		4	809
1997 GV_{42}		1997 04 12.23958	14 37 55.34	−10 27 05.6		4	809
1997 GV_{42}		1997 04 12.25278	14 37 54.76	−10 27 00.0		4	809
1997 GW_{42}	*	1997 04 11.22153	14 39 10.35	−10 06 34.5	18.3	4	809
1997 GW_{42}		1997 04 11.23472	14 39 09.74	−10 06 31.6		4	809
1997 GW_{42}		1997 04 11.24792	14 39 09.08	−10 06 28.3		4	809
1997 GW_{42}		1997 04 12.22639	14 38 24.68	−10 03 15.4		4	809
1997 GW_{42}		1997 04 12.23958	14 38 24.00	−10 03 13.3		4	809
1997 GW_{42}		1997 04 12.25278	14 38 23.36	−10 03 10.0		4	809
1997 GX_{42}	*	1997 04 11.22153	14 40 10.38	−09 58 10.4	18.5	4	809
1997 GX_{42}		1997 04 11.23472	14 40 09.91	−09 58 04.3		4	809

1997 GX_{42}	1997 04 11.24792	14 40 09.42	−09 57 57.9		4	809
1997 GX_{42}	1997 04 12.22639	14 39 34.20	−09 50 12.6		4	809
1997 GX_{42}	1997 04 12.23958	14 39 33.73	−09 50 06.3		4	809
1997 GX_{42}	1997 04 12.25278	14 39 33.23	−09 49 59.8		4	809
1997 GY_{42}	* 1997 04 11.22153	14 40 46.61	−11 11 19.8	18.4	4	809
1997 GY_{42}	1997 04 11.23472	14 40 45.94	−11 11 25.6		4	809
1997 GY_{42}	1997 04 11.24792	14 40 45.28	−11 11 28.6		4	809
1997 GY_{42}	1997 04 12.22639	14 39 54.40	−11 16 40.3		4	809
1997 GY_{42}	1997 04 12.23958	14 39 53.69	−11 16 45.4		4	809
1997 GY_{42}	1997 04 12.25278	14 39 52.99	−11 16 48.7		4	809
1997 HJ	1997 04 11.22153	14 22 11.76	−12 33 50.6	18.5	4	809
1997 HJ	1997 04 11.23472	14 22 11.03	−12 33 50.9		4	809
1997 HJ	1997 04 11.24792	14 22 10.27	−12 33 50.7		4	809
1997 HJ	1997 04 12.22639	14 21 21.03	−12 33 12.1		4	809
1997 HJ	1997 04 12.23958	14 21 20.22	−12 33 11.8		4	809
1997 HJ	1997 04 12.25278	14 21 19.58	−12 33 10.1		4	809
1997 HE_2	1997 04 11.22153	14 21 33.20	−12 18 28.9	18.5	4	809
1997 HE_2	1997 04 11.23472	14 21 32.68	−12 18 27.6		4	809
1997 HE_2	1997 04 11.24792	14 21 31.98	−12 18 26.0		4	809
1997 HE_2	1997 04 12.22639	14 20 49.32	−12 15 58.2		4	809
1997 HE_2	1997 04 12.23958	14 20 48.82	−12 15 56.5		4	809
1997 HE_2	1997 04 12.25278	14 20 48.14	−12 15 54.2		4	809
1997 HN_2	1997 05 04.16250	15 23 49.57	−16 54 51.7	18.6	4	809
1997 HN_2	1997 05 04.17569	15 23 49.06	−16 54 52.9		4	809
1997 HN_2	1997 05 04.18889	15 23 48.58	−16 54 53.0		4	809
1997 HO_2	1997 05 03.14931	15 23 43.90	−16 34 29.9		4	809
1997 HO_2	1997 05 03.16250	15 23 43.20	−16 34 27.6		4	809
1997 HO_2	1997 05 03.17569	15 23 42.56	−16 34 26.8		4	809
1997 HO_2	1997 05 04.16250	15 22 55.29	−16 30 55.4	18.4	4	809
1997 HO_2	1997 05 04.17569	15 22 54.58	−16 30 52.6		4	809
1997 HO_2	1997 05 04.18889	15 22 53.90	−16 30 50.7		4	809
1997 HP_2	1997 05 03.14931	15 22 32.09	−16 46 44.6		4	809
1997 HP_2	1997 05 03.16250	15 22 31.36	−16 46 42.1		4	809
1997 HP_2	1997 05 03.17569	15 22 30.59	−16 46 39.2		4	809
1997 HP_2	1997 05 04.16250	15 21 39.08	−16 42 47.2	18.5	4	809
1997 HP_2	1997 05 04.17569	15 21 38.32	−16 42 44.4		4	809
1997 HP_2	1997 05 04.18889	15 21 37.61	−16 42 41.9		4	809
1997 HY_9	1997 04 07.28403	14 55 41.20	−12 45 39.7	18.5	4	809
1997 HY_9	1997 04 07.29722	14 55 40.60	−12 45 39.1		4	809
1997 HY_9	1997 04 07.31042	14 55 40.06	−12 45 38.0		4	809
1997 HY_9	1997 04 08.27014	14 54 59.09	−12 44 32.6		4	809
1997 HY_9	1997 04 08.28333	14 54 58.50	−12 44 30.5		4	809
1997 HY_9	1997 04 08.29653	14 54 57.90	−12 44 30.7		4	809
1997 HE_{12}	1997 04 07.28403	15 01 20.65	−12 14 52.7	18.5	4	809
1997 HE_{12}	1997 04 07.29722	15 01 20.08	−12 14 54.8		4	809
1997 HE_{12}	1997 04 07.31042	15 01 19.50	−12 14 56.3		4	809
1997 HE_{12}	1997 04 08.27014	15 00 39.72	−12 17 08.9		4	809
1997 HE_{12}	1997 04 08.28333	15 00 39.20	−12 17 10.7		4	809
1997 HE_{12}	1997 04 08.29653	15 00 38.58	−12 17 12.4		4	809
1997 HS_{13}	1997 04 07.28403	15 03 37.85	−15 02 25.2	18.5	4	809
1997 HS_{13}	1997 04 07.29722	15 03 37.37	−15 02 20.8		4	809
1997 HS_{13}	1997 04 07.31042	15 03 36.97	−15 02 17.5		4	809
1997 HS_{13}	1997 04 08.27014	15 03 09.46	−14 56 36.4		4	809
1997 HS_{13}	1997 04 08.28333	15 03 09.04	−14 56 31.0		4	809
1997 HS_{13}	1997 04 08.29653	15 03 08.64	−14 56 26.5		4	809
1997 HC_{16}	1997 04 11.22153	14 28 54.40	−13 35 45.9	18.4	4	809
1997 HC_{16}	1997 04 11.23472	14 28 53.66	−13 35 42.0		4	809
1997 HC_{16}	1997 04 11.24792	14 28 53.03	−13 35 39.1		4	809
1997 HC_{16}	1997 04 12.22639	14 28 06.64	−13 30 40.5		4	809
1997 HC_{16}	1997 04 12.23958	14 28 05.97	−13 30 36.6		4	809
1997 HC_{16}	1997 04 12.25278	14 28 05.30	−13 30 32.5		4	809
1997 JA	1997 04 07.28403	14 54 54.89	−14 03 38.3	18.4	4	809
1997 JA	1997 04 07.29722	14 54 54.39	−14 03 36.6		4	809
1997 JA	1997 04 07.31042	14 54 53.91	−14 03 34.7		4	809
1997 JA	1997 04 08.27014	14 54 21.08	−14 01 03.0		4	809
1997 JA	1997 04 08.28333	14 54 20.61	−14 01 01.4		4	809
1997 JA	1997 04 08.29653	14 54 20.09	−14 00 59.0		4	809
1997 JQ_1	1997 04 11.22153	14 21 49.24	−12 45 27.9	18.5	4	809
1997 JQ_1	1997 04 11.23472	14 21 48.65	−12 45 22.3		4	809
1997 JQ_1	1997 04 11.24792	14 21 48.11	−12 45 15.5		4	809
1997 JQ_1	1997 04 12.22639	14 21 10.34	−12 37 36.3		4	809
1997 JQ_1	1997 04 12.23958	14 21 09.84	−12 37 30.3		4	809
1997 JQ_1	1997 04 12.25278	14 21 09.30	−12 37 24.0		4	809
1997 JT_3	1997 05 03.14931	15 28 44.53	−16 57 21.2		4	809
1997 JT_3	1997 05 03.16250	15 28 43.76	−16 57 20.5		4	809
1997 JT_3	1997 05 03.17569	15 28 42.90	−16 57 18.7		4	809
1997 JT_3	1997 05 04.16250	15 27 46.68	−16 55 01.8	18.5	4	809
1997 JT_3	1997 05 04.17569	15 27 45.87	−16 55 00.0		4	809
1997 JT_3	1997 05 04.18889	15 27 45.05	−16 54 57.6		4	809
1997 JU_3	1997 05 03.14931	15 28 43.15	−16 51 48.2		4	809
1997 JU_3	1997 05 03.16250	15 28 42.33	−16 51 50.7		4	809
1997 JU_3	1997 05 03.17569	15 28 41.58	−16 51 51.4		4	809
1997 JU_3	1997 05 04.16250	15 27 47.54	−16 52 50.1	18.5	4	809
1997 JU_3	1997 05 04.17569	15 27 46.81	−16 52 50.8		4	809
1997 JU_3	1997 05 04.18889	15 27 46.10	−16 52 51.7		4	809
1997 JU_5	1997 05 03.14931	15 39 37.76	−13 01 51.2		4	809
1997 JU_5	1997 05 03.16250	15 39 37.27	−13 01 44.4		4	809
1997 JU_5	1997 05 03.17569	15 39 36.74	−13 01 40.6		4	809
1997 JU_5	1997 05 04.16250	15 38 53.53	−12 54 53.2	18.5	4	809
1997 JU_5	1997 05 04.17569	15 38 52.94	−12 54 47.8		4	809
1997 JU_5	1997 05 04.18889	15 38 52.32	−12 54 42.5		4	809
1997 JF_6	1997 05 04.16250	15 36 58.02	−12 45 24.9	18.8	4	809
1997 JF_6	1997 05 04.17569	15 36 57.50	−12 45 19.9		4	809
1997 JF_6	1997 05 04.18889	15 36 57.01	−12 45 14.9		4	809
1997 JH_6	1997 05 03.14931	15 39 21.10	−12 35 53.5		4	809
1997 JH_6	1997 05 03.16250	15 39 20.38	−12 35 51.0		4	809
1997 JH_6	1997 05 03.17569	15 39 19.82	−12 35 49.0		4	809
1997 JH_6	1997 05 04.16250	15 38 32.96	−12 33 23.7	18.4	4	809
1997 JH_6	1997 05 04.17569	15 38 32.31	−12 33 21.8		4	809
1997 JH_6	1997 05 04.18889	15 38 31.64	−12 33 20.3		4	809
1997 JA_8	1997 05 04.16250	15 31 17.67	−17 03 51.7	19.5	4	809
1997 JA_8	1997 05 04.17569	15 31 16.84	−17 03 49.3		4	809
1997 JA_8	1997 05 04.18889	15 31 16.00	−17 03 46.3		4	809
1997 JB_8	1997 05 03.14931	15 32 25.71	−17 12 50.5		4	809

1997 JB_{8}		1997 05 03.16250	15 32 24.90	−17 12 44.0		4	809
1997 JB_{8}		1997 05 03.17569	15 32 24.22	−17 12 39.2		4	809
1997 JB_{8}		1997 05 04.16250	15 31 30.83	−17 05 43.1	18.5	4	809
1997 JB_{8}		1997 05 04.17569	15 31 29.98	−17 05 36.9		4	809
1997 JB_{8}		1997 05 04.18889	15 31 29.26	−17 05 32.8		4	809
1997 JF_{9}		1997 05 04.16250	15 39 10.40	−12 51 35.7	18.5	4	809
1997 JF_{9}		1997 05 04.17569	15 39 09.66	−12 51 35.6		4	809
1997 JF_{9}		1997 05 04.18889	15 39 08.94	−12 51 33.3		4	809
1997 JE_{10}		1997 05 03.27222	15 50 51.27	−13 22 03.7		4	809
1997 JE_{10}		1997 05 03.28542	15 50 50.66	−13 22 03.8		4	809
1997 JE_{10}		1997 05 03.29861	15 50 49.96	−13 22 03.7		4	809
1997 JE_{10}		1997 05 04.25278	15 50 03.72	−13 21 59.2	18.2	4	809
1997 JE_{10}		1997 05 04.26597	15 50 02.98	−13 21 59.1		4	809
1997 JE_{10}		1997 05 04.27917	15 50 02.33	−13 21 59.7		4	809
1997 JF_{10}		1997 05 04.16250	15 33 09.06	−17 14 54.7	19.0	4	809
1997 JF_{10}		1997 05 04.17569	15 33 08.34	−17 14 53.3		4	809
1997 JF_{10}		1997 05 04.18889	15 33 07.60	−17 14 49.7		4	809
1997 JG_{10}		1997 05 04.16250	15 32 16.58	−17 00 17.4	19.5	4	809
1997 JG_{10}		1997 05 04.17569	15 32 15.93	−17 00 16.3		4	809
1997 JG_{10}		1997 05 04.18889	15 32 15.34	−17 00 15.0		4	809
1997 JH_{10}		1997 05 04.16250	15 33 58.92	−17 11 27.0	18.5	4	809
1997 JH_{10}		1997 05 04.17569	15 33 58.10	−17 11 22.6		4	809
1997 JH_{10}		1997 05 04.18889	15 33 57.29	−17 11 18.8		4	809
1997 JJ_{14}		1997 04 07.28403	15 06 35.44	−13 41 16.4	18.6	4	809
1997 JJ_{14}		1997 04 07.29722	15 06 35.02	−13 41 13.2		4	809
1997 JJ_{14}		1997 04 07.31042	15 06 34.73	−13 41 10.8		4	809
1997 JL_{14}	*	1997 05 03.14931	15 21 20.97	−16 11 54.5		4	809
1997 JL_{14}		1997 05 03.16250	15 21 20.25	−16 11 45.3		4	809
1997 JL_{14}		1997 05 03.17569	15 21 19.56	−16 11 37.9		4	809
1997 JL_{14}		1997 05 04.16250	15 20 25.31	−16 01 58.9	18.5	4	809
1997 JL_{14}		1997 05 04.17569	15 20 24.48	−16 01 50.8		4	809
1997 JL_{14}		1997 05 04.18889	15 20 23.51	−16 01 39.7		4	809
1997 JM_{14}	*	1997 05 03.14931	15 21 23.81	−16 04 23.7		4	809
1997 JM_{14}		1997 05 03.16250	15 21 23.10	−16 04 19.7		4	809
1997 JM_{14}		1997 05 03.17569	15 21 22.23	−16 04 13.9		4	809
1997 JM_{14}		1997 05 04.16250	15 20 29.64	−15 58 22.0	18.4	4	809
1997 JM_{14}		1997 05 04.17569	15 20 28.89	−15 58 17.4		4	809
1997 JM_{14}		1997 05 04.18889	15 20 28.13	−15 58 12.8		4	809
1997 JN_{14}	*	1997 05 03.14931	15 21 34.91	−16 02 50.8		4	809
1997 JN_{14}		1997 05 03.16250	15 21 34.25	−16 02 48.2		4	809
1997 JN_{14}		1997 05 03.17569	15 21 33.63	−16 02 46.7		4	809
1997 JN_{14}		1997 05 04.16250	15 20 47.71	−15 59 55.4	18.5	4	809
1997 JN_{14}		1997 05 04.17569	15 20 46.93	−15 59 54.0		4	809
1997 JN_{14}		1997 05 04.18889	15 20 46.32	−15 59 51.1		4	809
1997 JO_{14}	*	1997 05 03.14931	15 21 39.44	−13 22 33.9		4	809
1997 JO_{14}		1997 05 03.16250	15 21 38.63	−13 22 32.2		4	809
1997 JO_{14}		1997 05 03.17569	15 21 37.92	−13 22 30.1		4	809
1997 JO_{14}		1997 05 04.16250	15 20 43.11	−13 19 31.9	18.5	4	809
1997 JO_{14}		1997 05 04.17569	15 20 42.30	−13 19 30.5		4	809
1997 JO_{14}		1997 05 04.18889	15 20 41.54	−13 19 28.1		4	809
1997 JP_{14}	*	1997 05 03.14931	15 21 52.95	−16 22 23.4		4	809
1997 JP_{14}		1997 05 03.16250	15 21 51.99	−16 22 20.5		4	809
1997 JP_{14}		1997 05 03.17569	15 21 51.26	−16 22 21.6		4	809
1997 JP_{14}		1997 05 04.16250	15 20 54.99	−16 20 42.6	18.6	4	809
1997 JP_{14}		1997 05 04.17569	15 20 54.17	−16 20 40.6		4	809
1997 JP_{14}		1997 05 04.18889	15 20 53.33	−16 20 39.3		4	809
1997 JQ_{14}	*	1997 05 03.14931	15 21 59.20	−15 05 36.7		4	809
1997 JQ_{14}		1997 05 03.16250	15 21 58.46	−15 05 31.5		4	809
1997 JQ_{14}		1997 05 03.17569	15 21 57.78	−15 05 27.4		4	809
1997 JQ_{14}		1997 05 04.16250	15 21 08.96	−14 59 59.8	18.5	4	809
1997 JQ_{14}		1997 05 04.17569	15 21 08.26	−14 59 54.8		4	809
1997 JQ_{14}		1997 05 04.18889	15 21 07.59	−14 59 50.7		4	809
1997 JR_{14}	*	1997 05 03.14931	15 22 09.02	−13 41 56.7		4	809
1997 JR_{14}		1997 05 03.16250	15 22 08.24	−13 41 50.8		4	809
1997 JR_{14}		1997 05 03.17569	15 22 07.45	−13 41 44.6		4	809
1997 JR_{14}		1997 05 04.16250	15 21 14.09	−13 34 44.8	18.3	4	809
1997 JR_{14}		1997 05 04.17569	15 21 13.35	−13 34 39.7		4	809
1997 JR_{14}		1997 05 04.18889	15 21 12.54	−13 34 34.1		4	809
1997 JS_{14}	*	1997 05 03.14931	15 22 37.51	−15 11 31.2		4	809
1997 JS_{14}		1997 05 03.16250	15 22 36.82	−15 11 27.3		4	809
1997 JS_{14}		1997 05 03.17569	15 22 36.15	−15 11 26.9		4	809
1997 JS_{14}		1997 05 04.16250	15 21 43.43	−15 07 18.3	18.5	4	809
1997 JS_{14}		1997 05 04.17569	15 21 42.66	−15 07 13.7		4	809
1997 JS_{14}		1997 05 04.18889	15 21 41.92	−15 07 11.4		4	809
1997 JT_{14}	*	1997 05 03.14931	15 22 46.43	−14 43 10.6		4	809
1997 JT_{14}		1997 05 03.16250	15 22 45.56	−14 43 12.4		4	809
1997 JT_{14}		1997 05 03.17569	15 22 44.72	−14 43 11.5		4	809
1997 JT_{14}		1997 05 04.16250	15 21 42.00	−14 43 02.8	18.2	4	809
1997 JT_{14}		1997 05 04.17569	15 21 41.14	−14 43 03.0		4	809
1997 JT_{14}		1997 05 04.18889	15 21 40.27	−14 43 03.1		4	809
1997 JU_{14}	*	1997 05 03.14931	15 23 05.85	−16 18 28.5		4	809
1997 JU_{14}		1997 05 03.16250	15 23 05.16	−16 18 25.5		4	809
1997 JU_{14}		1997 05 03.17569	15 23 04.72	−16 18 19.7		4	809
1997 JU_{14}		1997 05 04.16250	15 22 21.23	−16 12 28.8	20.0	4	809
1997 JU_{14}		1997 05 04.17569	15 22 20.50	−16 12 22.6		4	809
1997 JU_{14}		1997 05 04.18889	15 22 19.92	−16 12 18.6		4	809
1997 JV_{14}	*	1997 05 03.14931	15 23 30.83	−15 25 17.0		4	809
1997 JV_{14}		1997 05 03.16250	15 23 30.16	−15 25 14.4		4	809
1997 JV_{14}		1997 05 03.17569	15 23 29.52	−15 25 12.5		4	809
1997 JV_{14}		1997 05 04.16250	15 22 44.80	−15 22 50.6	18.5	4	809
1997 JV_{14}		1997 05 04.17569	15 22 44.20	−15 22 48.4		4	809
1997 JV_{14}		1997 05 04.18889	15 22 43.52	−15 22 46.5		4	809
1997 JW_{14}	*	1997 05 03.14931	15 23 40.97	−15 04 33.9		4	809
1997 JW_{14}		1997 05 03.16250	15 23 40.26	−15 04 32.0		4	809
1997 JW_{14}		1997 05 03.17569	15 23 39.42	−15 04 29.9		4	809
1997 JW_{14}		1997 05 04.16250	15 22 51.53	−15 01 43.6	18.7	4	809
1997 JW_{14}		1997 05 04.17569	15 22 50.93	−15 01 43.0		4	809
1997 JW_{14}		1997 05 04.18889	15 22 50.22	−15 01 39.9		4	809
1997 JX_{14}	*	1997 05 03.14931	15 24 53.42	−17 01 52.3		4	809
1997 JX_{14}		1997 05 03.16250	15 24 52.55	−17 01 52.7		4	809
1997 JX_{14}		1997 05 03.17569	15 24 51.80	−17 01 53.4		4	809
1997 JX_{14}		1997 05 04.16250	15 23 55.31	−17 02 52.2	18.7	4	809
1997 JX_{14}		1997 05 04.17569	15 23 54.48	−17 02 53.7		4	809
1997 JX_{14}		1997 05 04.18889	15 23 53.65	−17 02 53.8		4	809

1997 JY_{14}	*	1997 05 03.14931	15 24 57.61	−13 11 53.3		4	809
1997 JY_{14}		1997 05 03.16250	15 24 56.86	−13 11 51.1		4	809
1997 JY_{14}		1997 05 03.17569	15 24 56.26	−13 11 49.9		4	809
1997 JY_{14}		1997 05 04.16250	15 24 06.71	−13 09 28.0	18.4	4	809
1997 JY_{14}		1997 05 04.17569	15 24 05.94	−13 09 26.0		4	809
1997 JY_{14}		1997 05 04.18889	15 24 05.31	−13 09 23.9		4	809
1997 JZ_{14}	*	1997 05 03.14931	15 26 07.34	−17 26 53.0		4	809
1997 JZ_{14}		1997 05 03.16250	15 26 06.42	−17 26 55.1		4	809
1997 JZ_{14}		1997 05 03.17569	15 26 05.46	−17 26 56.2		4	809
1997 JZ_{14}		1997 05 04.16250	15 25 00.98	−17 28 16.9	18.2	4	809
1997 JZ_{14}		1997 05 04.17569	15 25 00.04	−17 28 18.5		4	809
1997 JZ_{14}		1997 05 04.18889	15 24 59.13	−17 28 20.2		4	809
1997 JA_{15}	*	1997 05 03.14931	15 26 14.64	−15 03 52.3		4	809
1997 JA_{15}		1997 05 03.16250	15 26 13.86	−15 03 49.8		4	809
1997 JA_{15}		1997 05 03.17569	15 26 13.04	−15 03 49.9		4	809
1997 JA_{15}		1997 05 04.16250	15 25 16.93	−15 02 09.5	18.6	4	809
1997 JA_{15}		1997 05 04.17569	15 25 16.02	−15 02 07.3		4	809
1997 JA_{15}		1997 05 04.18889	15 25 15.18	−15 02 07.7		4	809
1997 JB_{15}	*	1997 05 03.14931	15 26 16.20	−14 52 19.2		4	809
1997 JB_{15}		1997 05 03.16250	15 26 15.44	−14 52 18.8		4	809
1997 JB_{15}		1997 05 03.17569	15 26 14.56	−14 52 17.0		4	809
1997 JB_{15}		1997 05 04.16250	15 25 14.68	−14 50 18.3	17.9	4	809
1997 JB_{15}		1997 05 04.17569	15 25 13.81	−14 50 16.5		4	809
1997 JB_{15}		1997 05 04.18889	15 25 12.97	−14 50 16.4		4	809
1997 JC_{15}	*	1997 05 03.14931	15 27 05.93	−13 40 15.5		4	809
1997 JC_{15}		1997 05 03.16250	15 27 05.13	−13 40 09.9		4	809
1997 JC_{15}		1997 05 03.17569	15 27 04.50	−13 40 04.9		4	809
1997 JC_{15}		1997 05 04.16250	15 26 16.61	−13 33 10.2	18.3	4	809
1997 JC_{15}		1997 05 04.17569	15 26 15.96	−13 33 05.1		4	809
1997 JC_{15}		1997 05 04.18889	15 26 15.22	−13 32 58.8		4	809
1997 JD_{15}	*	1997 05 03.14931	15 27 15.87	−14 36 30.5		4	809
1997 JD_{15}		1997 05 03.16250	15 27 15.01	−14 36 29.8		4	809
1997 JD_{15}		1997 05 03.17569	15 27 14.16	−14 36 27.4		4	809
1997 JD_{15}		1997 05 04.16250	15 26 12.82	−14 34 10.6	18.4	4	809
1997 JD_{15}		1997 05 04.17569	15 26 11.99	−14 34 08.3		4	809
1997 JD_{15}		1997 05 04.18889	15 26 11.13	−14 34 07.1		4	809
1997 JE_{15}	*	1997 05 03.14931	15 27 53.46	−14 28 09.7		4	809
1997 JE_{15}		1997 05 03.16250	15 27 52.86	−14 28 06.4		4	809
1997 JE_{15}		1997 05 03.17569	15 27 52.17	−14 28 05.1		4	809
1997 JE_{15}		1997 05 04.16250	15 27 04.96	−14 24 42.3	18.4	4	809
1997 JE_{15}		1997 05 04.17569	15 27 04.34	−14 24 39.4		4	809
1997 JE_{15}		1997 05 04.18889	15 27 03.61	−14 24 37.9		4	809
1997 JF_{15}	*	1997 05 03.14931	15 27 56.43	−12 52 29.3		4	809
1997 JF_{15}		1997 05 03.16250	15 27 55.74	−12 52 26.0		4	809
1997 JF_{15}		1997 05 03.17569	15 27 55.02	−12 52 23.2		4	809
1997 JF_{15}		1997 05 04.16250	15 27 05.15	−12 48 50.2	17.9	4	809
1997 JF_{15}		1997 05 04.17569	15 27 04.43	−12 48 47.5		4	809
1997 JF_{15}		1997 05 04.18889	15 27 03.72	−12 48 45.1		4	809
1997 JG_{15}	*	1997 05 03.14931	15 27 59.62	−16 17 14.9		4	809
1997 JG_{15}		1997 05 03.16250	15 27 59.26	−16 17 12.5		4	809
1997 JG_{15}		1997 05 03.17569	15 27 58.91	−16 17 09.5		4	809
1997 JG_{15}		1997 05 04.16250	15 27 29.23	−16 12 14.2	18.7	4	809
1997 JG_{15}		1997 05 04.17569	15 27 28.85	−16 12 11.1		4	809
1997 JG_{15}		1997 05 04.18889	15 27 28.39	−16 12 07.6		4	809
1997 JH_{15}	*	1997 05 03.14931	15 28 24.65	−14 37 07.7		4	809
1997 JH_{15}		1997 05 03.16250	15 28 23.87	−14 37 03.9		4	809
1997 JH_{15}		1997 05 03.17569	15 28 23.29	−14 37 00.8		4	809
1997 JH_{15}		1997 05 04.16250	15 27 38.47	−14 32 02.9	18.8	4	809
1997 JH_{15}		1997 05 04.17569	15 27 37.85	−14 31 58.6		4	809
1997 JH_{15}		1997 05 04.18889	15 27 37.21	−14 31 55.1		4	809
1997 JJ_{15}	*	1997 05 03.14931	15 28 54.29	−15 48 14.9		4	809
1997 JJ_{15}		1997 05 03.16250	15 28 53.59	−15 48 08.7		4	809
1997 JJ_{15}		1997 05 03.17569	15 28 52.81	−15 48 03.3		4	809
1997 JJ_{15}		1997 05 04.16250	15 28 00.78	−15 40 58.4	18.2	4	809
1997 JJ_{15}		1997 05 04.17569	15 28 00.09	−15 40 53.4		4	809
1997 JJ_{15}		1997 05 04.18889	15 27 59.38	−15 40 47.5		4	809
1997 JK_{15}	*	1997 05 03.14931	15 29 49.40	−16 01 56.5		4	809
1997 JK_{15}		1997 05 03.16250	15 29 48.78	−16 01 52.0		4	809
1997 JK_{15}		1997 05 03.17569	15 29 48.16	−16 01 49.8		4	809
1997 JK_{15}		1997 05 04.16250	15 29 00.26	−15 56 55.4	18.5	4	809
1997 JK_{15}		1997 05 04.17569	15 28 59.62	−15 56 52.0		4	809
1997 JK_{15}		1997 05 04.18889	15 28 58.93	−15 56 47.3		4	809
1997 JL_{15}	*	1997 05 03.14931	15 29 50.41	−13 23 27.1		4	809
1997 JL_{15}		1997 05 03.16250	15 29 49.51	−13 23 22.2		4	809
1997 JL_{15}		1997 05 03.17569	15 29 48.64	−13 23 16.4		4	809
1997 JL_{15}		1997 05 04.16250	15 28 54.43	−13 17 27.8	18.5	4	809
1997 JL_{15}		1997 05 04.17569	15 28 53.69	−13 17 24.0		4	809
1997 JL_{15}		1997 05 04.18889	15 28 52.97	−13 17 18.6		4	809
1997 JM_{15}	*	1997 05 03.14931	15 30 05.58	−15 34 42.8		4	809
1997 JM_{15}		1997 05 03.16250	15 30 04.83	−15 34 39.2		4	809
1997 JM_{15}		1997 05 03.17569	15 30 04.16	−15 34 39.8		4	809
1997 JM_{15}		1997 05 04.16250	15 29 14.57	−15 32 04.6	18.7	4	809
1997 JM_{15}		1997 05 04.17569	15 29 13.80	−15 32 03.6		4	809
1997 JM_{15}		1997 05 04.18889	15 29 13.16	−15 32 01.9		4	809
1997 JN_{15}	*	1997 05 03.14931	15 30 12.08	−15 54 25.5		4	809
1997 JN_{15}		1997 05 03.16250	15 30 11.29	−15 54 23.5		4	809
1997 JN_{15}		1997 05 03.17569	15 30 10.47	−15 54 20.3		4	809
1997 JN_{15}		1997 05 04.16250	15 29 13.33	−15 51 03.7	18.4	4	809
1997 JN_{15}		1997 05 04.17569	15 29 12.49	−15 51 01.2		4	809
1997 JN_{15}		1997 05 04.18889	15 29 11.63	−15 50 58.0		4	809
1997 JO_{15}	*	1997 05 03.14931	15 31 36.87	−16 35 04.6		4	809
1997 JO_{15}		1997 05 03.16250	15 31 35.97	−16 34 54.5		4	809
1997 JO_{15}		1997 05 03.17569	15 31 34.98	−16 34 45.2		4	809
1997 JO_{15}		1997 05 04.16250	15 30 40.76	−16 22 21.8	18.4	4	809
1997 JO_{15}		1997 05 04.17569	15 30 39.88	−16 22 11.1		4	809
1997 JO_{15}		1997 05 04.18889	15 30 39.09	−16 22 02.5		4	809
1997 JP_{15}	*	1997 05 03.14931	15 31 46.12	−16 07 29.4		4	809
1997 JP_{15}		1997 05 03.16250	15 31 45.35	−16 07 27.5		4	809
1997 JP_{15}		1997 05 03.17569	15 31 44.44	−16 07 25.6		4	809
1997 JP_{15}		1997 05 04.16250	15 30 46.13	−16 03 27.8	18.5	4	809
1997 JP_{15}		1997 05 04.17569	15 30 45.36	−16 03 25.4		4	809
1997 JP_{15}		1997 05 04.18889	15 30 44.53	−16 03 23.7		4	809
1997 JQ_{15}	*	1997 05 03.14931	15 32 12.09	−12 54 03.3		4	809
1997 JQ_{15}		1997 05 03.16250	15 32 11.36	−12 53 59.5		4	809

1997 JQ_{15}		1997 05 03.17569	15 32 10.60	−12 53 52.8		4	809
1997 JQ_{15}		1997 05 04.16250	15 31 16.95	−12 47 22.9	18.4	4	809
1997 JQ_{15}		1997 05 04.17569	15 31 16.23	−12 47 17.6		4	809
1997 JQ_{15}		1997 05 04.18889	15 31 15.45	−12 47 13.1		4	809
1997 JR_{15}	*	1997 05 03.14931	15 32 15.05	−15 02 32.1		4	809
1997 JR_{15}		1997 05 03.16250	15 32 14.47	−15 02 29.0		4	809
1997 JR_{15}		1997 05 03.17569	15 32 13.85	−15 02 26.1		4	809
1997 JR_{15}		1997 05 04.16250	15 31 27.63	−14 59 40.1	18.3	4	809
1997 JR_{15}		1997 05 04.17569	15 31 27.05	−14 59 37.7		4	809
1997 JR_{15}		1997 05 04.18889	15 31 26.38	−14 59 36.0		4	809
1997 JS_{15}	*	1997 05 03.14931	15 32 42.75	−14 59 04.1		4	809
1997 JS_{15}		1997 05 03.16250	15 32 41.78	−14 59 07.0		4	809
1997 JS_{15}		1997 05 03.17569	15 32 40.95	−14 59 11.3		4	809
1997 JS_{15}		1997 05 04.16250	15 31 40.26	−15 03 27.8	18.5	4	809
1997 JS_{15}		1997 05 04.17569	15 31 39.42	−15 03 31.7		4	809
1997 JS_{15}		1997 05 04.18889	15 31 38.57	−15 03 35.2		4	809
1997 JT_{15}	*	1997 05 03.14931	15 32 48.44	−14 44 05.9		4	809
1997 JT_{15}		1997 05 03.16250	15 32 47.80	−14 44 03.2		4	809
1997 JT_{15}		1997 05 03.17569	15 32 47.13	−14 44 00.7		4	809
1997 JT_{15}		1997 05 04.16250	15 32 00.06	−14 41 14.0	18.3	4	809
1997 JT_{15}		1997 05 04.17569	15 31 59.44	−14 41 11.1		4	809
1997 JT_{15}		1997 05 04.18889	15 31 58.83	−14 41 09.4		4	809
1997 JU_{15}	*	1997 05 03.14931	15 33 29.00	−15 17 15.6		4	809
1997 JU_{15}		1997 05 03.16250	15 33 28.16	−15 17 14.7		4	809
1997 JU_{15}		1997 05 03.17569	15 33 27.43	−15 17 12.6		4	809
1997 JU_{15}		1997 05 04.16250	15 32 34.61	−15 15 30.5	18.5	4	809
1997 JU_{15}		1997 05 04.17569	15 32 33.88	−15 15 29.5		4	809
1997 JU_{15}		1997 05 04.18889	15 32 33.14	−15 15 28.9		4	809
1997 JV_{15}	*	1997 05 03.14931	15 33 35.66	−13 46 26.1		4	809
1997 JV_{15}		1997 05 03.16250	15 33 34.75	−13 46 23.8		4	809
1997 JV_{15}		1997 05 03.17569	15 33 34.05	−13 46 25.1		4	809
1997 JV_{15}		1997 05 04.16250	15 32 35.16	−13 46 29.1	18.7	4	809
1997 JV_{15}		1997 05 04.17569	15 32 34.11	−13 46 29.6		4	809
1997 JV_{15}		1997 05 04.18889	15 32 33.33	−13 46 30.1		4	809
1997 JW_{15}	*	1997 05 03.14931	15 33 49.72	−13 44 15.3		4	809
1997 JW_{15}		1997 05 03.16250	15 33 48.85	−13 44 18.6		4	809
1997 JW_{15}		1997 05 03.17569	15 33 47.97	−13 44 20.2		4	809
1997 JW_{15}		1997 05 04.16250	15 32 50.18	−13 46 30.6	18.5	4	809
1997 JW_{15}		1997 05 04.17569	15 32 49.44	−13 46 33.2		4	809
1997 JW_{15}		1997 05 04.18889	15 32 48.59	−13 46 35.0		4	809
1997 JX_{15}	*	1997 05 03.14931	15 34 45.71	−14 02 03.6		4	809
1997 JX_{15}		1997 05 03.16250	15 34 45.02	−14 02 01.2		4	809
1997 JX_{15}		1997 05 03.17569	15 34 44.18	−14 01 58.2		4	809
1997 JX_{15}		1997 05 04.16250	15 33 49.38	−13 58 07.9	18.5	4	809
1997 JX_{15}		1997 05 04.17569	15 33 48.60	−13 58 04.2		4	809
1997 JX_{15}		1997 05 04.18889	15 33 47.87	−13 58 00.9		4	809
1997 JY_{15}	*	1997 05 03.14931	15 34 52.05	−13 28 04.9		4	809
1997 JY_{15}		1997 05 03.16250	15 34 51.26	−13 28 03.2		4	809
1997 JY_{15}		1997 05 03.17569	15 34 50.58	−13 28 00.6		4	809
1997 JY_{15}		1997 05 04.16250	15 33 59.40	−13 25 05.9	18.5	4	809
1997 JY_{15}		1997 05 04.17569	15 33 58.63	−13 25 06.2		4	809
1997 JY_{15}		1997 05 04.18889	15 33 57.87	−13 25 03.6		4	809
1997 JZ_{15}	*	1997 05 03.14931	15 35 18.58	−17 10 41.4		4	809
1997 JZ_{15}		1997 05 03.16250	15 35 17.96	−17 10 35.4		4	809
1997 JZ_{15}		1997 05 03.17569	15 35 17.24	−17 10 32.7		4	809
1997 JZ_{15}		1997 05 04.16250	15 34 26.41	−17 03 41.1	18.5	4	809
1997 JZ_{15}		1997 05 04.17569	15 34 25.62	−17 03 36.4		4	809
1997 JZ_{15}		1997 05 04.18889	15 34 24.88	−17 03 31.5		4	809
1997 JA_{16}	*	1997 05 03.14931	15 35 25.42	−14 04 42.4		4	809
1997 JA_{16}		1997 05 03.16250	15 35 24.64	−14 04 38.8		4	809
1997 JA_{16}		1997 05 03.17569	15 35 23.88	−14 04 38.0		4	809
1997 JA_{16}		1997 05 04.16250	15 34 29.22	−14 00 04.0	18.4	4	809
1997 JA_{16}		1997 05 04.17569	15 34 28.46	−13 59 59.4		4	809
1997 JA_{16}		1997 05 04.18889	15 34 27.70	−13 59 57.0		4	809
1997 JB_{16}	*	1997 05 03.14931	15 35 41.13	−15 57 27.9		4	809
1997 JB_{16}		1997 05 03.16250	15 35 40.61	−15 57 24.9		4	809
1997 JB_{16}		1997 05 03.17569	15 35 40.26	−15 57 23.2		4	809
1997 JB_{16}		1997 05 04.16250	15 35 11.64	−15 54 19.5	18.4	4	809
1997 JB_{16}		1997 05 04.17569	15 35 11.25	−15 54 16.8		4	809
1997 JB_{16}		1997 05 04.18889	15 35 10.79	−15 54 15.2		4	809
1997 JC_{16}	*	1997 05 03.14931	15 35 59.05	−17 28 35.6		4	809
1997 JC_{16}		1997 05 03.16250	15 35 58.26	−17 28 38.9		4	809
1997 JC_{16}		1997 05 03.17569	15 35 57.38	−17 28 44.6		4	809
1997 JC_{16}		1997 05 04.16250	15 34 57.80	−17 32 35.4	18.5	4	809
1997 JC_{16}		1997 05 04.17569	15 34 56.88	−17 32 39.1		4	809
1997 JC_{16}		1997 05 04.18889	15 34 56.09	−17 32 43.7		4	809
1997 JD_{16}	*	1997 05 03.14931	15 36 26.11	−13 54 37.2		4	809
1997 JD_{16}		1997 05 03.16250	15 36 25.43	−13 54 37.6		4	809
1997 JD_{16}		1997 05 03.17569	15 36 24.80	−13 54 36.7		4	809
1997 JD_{16}		1997 05 04.16250	15 35 34.77	−13 52 54.6	18.4	4	809
1997 JD_{16}		1997 05 04.17569	15 35 34.01	−13 52 53.2		4	809
1997 JD_{16}		1997 05 04.18889	15 35 33.34	−13 52 51.1		4	809
1997 JE_{16}	*	1997 05 03.14931	15 36 51.53	−13 53 19.5		4	809
1997 JE_{16}		1997 05 03.16250	15 36 50.91	−13 53 14.5		4	809
1997 JE_{16}		1997 05 03.17569	15 36 50.09	−13 53 11.5		4	809
1997 JE_{16}		1997 05 04.16250	15 35 57.19	−13 46 59.9	18.0	4	809
1997 JE_{16}		1997 05 04.17569	15 35 56.41	−13 46 55.2		4	809
1997 JE_{16}		1997 05 04.18889	15 35 55.72	−13 46 50.2		4	809
1997 JF_{16}	*	1997 05 03.14931	15 38 14.22	−14 03 07.0		4	809
1997 JF_{16}		1997 05 03.16250	15 38 13.58	−14 03 00.4		4	809
1997 JF_{16}		1997 05 03.17569	15 38 12.91	−14 03 00.0		4	809
1997 JF_{16}		1997 05 04.16250	15 37 19.80	−13 57 40.4	18.5	4	809
1997 JF_{16}		1997 05 04.17569	15 37 19.05	−13 57 35.4		4	809
1997 JF_{16}		1997 05 04.18889	15 37 18.36	−13 57 32.2		4	809
1997 JG_{16}	*	1997 05 03.14931	15 38 14.81	−13 33 32.5		4	809
1997 JG_{16}		1997 05 03.16250	15 38 14.19	−13 33 33.2		4	809
1997 JG_{16}		1997 05 03.17569	15 38 13.50	−13 33 33.3		4	809
1997 JG_{16}		1997 05 04.16250	15 37 22.95	−13 33 56.6	19.0	4	809
1997 JG_{16}		1997 05 04.17569	15 37 22.29	−13 33 56.4		4	809
1997 JG_{16}		1997 05 04.18889	15 37 21.56	−13 33 56.6		4	809
1997 JH_{16}	*	1997 05 03.14931	15 38 23.17	−14 50 29.7		4	809
1997 JH_{16}		1997 05 03.16250	15 38 22.44	−14 50 23.6		4	809
1997 JH_{16}		1997 05 03.17569	15 38 21.80	−14 50 20.1		4	809
1997 JH_{16}		1997 05 04.16250	15 37 32.57	−14 43 54.1	18.1	4	809

1997 JH_{16}		1997 05 04.17569	15 37 31.86	−14 43 49.6		4	809
1997 JH_{16}		1997 05 04.18889	15 37 31.16	−14 43 43.4		4	809
1997 JJ_{16}	*	1997 05 03.14931	15 38 29.11	−15 39 39.7		4	809
1997 JJ_{16}		1997 05 03.16250	15 38 28.43	−15 39 36.8		4	809
1997 JJ_{16}		1997 05 03.17569	15 38 27.74	−15 39 33.9		4	809
1997 JJ_{16}		1997 05 04.16250	15 37 38.44	−15 35 35.4	18.2	4	809
1997 JJ_{16}		1997 05 04.17569	15 37 37.69	−15 35 32.4		4	809
1997 JJ_{16}		1997 05 04.18889	15 37 37.06	−15 35 28.3		4	809
1997 JK_{16}	*	1997 05 03.14931	15 38 39.70	−16 59 53.3		4	809
1997 JK_{16}		1997 05 03.16250	15 38 38.84	−16 59 54.1		4	809
1997 JK_{16}		1997 05 03.17569	15 38 38.07	−16 59 55.8		4	809
1997 JK_{16}		1997 05 04.16250	15 37 39.57	−17 02 03.1	17.9	4	809
1997 JK_{16}		1997 05 04.17569	15 37 38.75	−17 02 04.7		4	809
1997 JK_{16}		1997 05 04.18889	15 37 37.90	−17 02 06.1		4	809
1997 JL_{16}	*	1997 05 03.14931	15 39 11.10	−15 04 52.5		4	809
1997 JL_{16}		1997 05 03.16250	15 39 10.46	−15 04 45.1		4	809
1997 JL_{16}		1997 05 03.17569	15 39 09.78	−15 04 38.2		4	809
1997 JL_{16}		1997 05 04.16250	15 38 23.15	−14 56 08.4	17.8	4	809
1997 JL_{16}		1997 05 04.17569	15 38 22.47	−14 56 01.1		4	809
1997 JL_{16}		1997 05 04.18889	15 38 21.79	−14 55 54.1		4	809
1997 JM_{16}	*	1997 05 03.14931	15 39 18.68	−15 11 06.2		4	809
1997 JM_{16}		1997 05 03.16250	15 39 17.97	−15 11 03.0		4	809
1997 JM_{16}		1997 05 03.17569	15 39 17.31	−15 10 59.3		4	809
1997 JM_{16}		1997 05 04.16250	15 38 30.48	−15 07 01.1	18.4	4	809
1997 JM_{16}		1997 05 04.17569	15 38 29.86	−15 06 58.6		4	809
1997 JM_{16}		1997 05 04.18889	15 38 29.13	−15 06 55.6		4	809
1997 JN_{16}	*	1997 05 03.14931	15 40 05.77	−15 44 58.2		4	809
1997 JN_{16}		1997 05 03.16250	15 40 05.06	−15 44 54.2		4	809
1997 JN_{16}		1997 05 03.17569	15 40 04.44	−15 44 51.5		4	809
1997 JN_{16}		1997 05 04.16250	15 39 14.99	−15 40 22.0	18.4	4	809
1997 JN_{16}		1997 05 04.17569	15 39 14.33	−15 40 18.6		4	809
1997 JN_{16}		1997 05 04.18889	15 39 13.65	−15 40 15.5		4	809
1997 JO_{16}	*	1997 05 03.14931	15 40 45.38	−16 39 36.9		4	809
1997 JO_{16}		1997 05 03.16250	15 40 44.57	−16 39 38.7		4	809
1997 JO_{16}		1997 05 03.17569	15 40 43.91	−16 39 36.5		4	809
1997 JO_{16}		1997 05 04.16250	15 39 48.46	−16 38 02.5	18.6	4	809
1997 JO_{16}		1997 05 04.17569	15 39 47.67	−16 38 01.0		4	809
1997 JO_{16}		1997 05 04.18889	15 39 46.86	−16 37 59.2		4	809
1997 JP_{16}	*	1997 05 03.14931	15 41 22.26	−14 40 59.3		4	809
1997 JP_{16}		1997 05 03.16250	15 41 21.67	−14 40 57.3		4	809
1997 JP_{16}		1997 05 03.17569	15 41 21.00	−14 40 55.2		4	809
1997 JP_{16}		1997 05 04.16250	15 40 34.36	−14 38 21.9	18.3	4	809
1997 JP_{16}		1997 05 04.17569	15 40 33.68	−14 38 20.4		4	809
1997 JP_{16}		1997 05 04.18889	15 40 33.03	−14 38 17.9		4	809
1997 JQ_{16}	*	1997 05 03.14931	15 41 49.70	−14 58 25.1		4	809
1997 JQ_{16}		1997 05 03.16250	15 41 48.95	−14 58 23.0		4	809
1997 JQ_{16}		1997 05 03.17569	15 41 48.23	−14 58 22.8		4	809
1997 JQ_{16}		1997 05 04.16250	15 40 56.38	−14 55 17.0	18.4	4	809
1997 JQ_{16}		1997 05 04.17569	15 40 55.55	−14 55 16.7		4	809
1997 JQ_{16}		1997 05 04.18889	15 40 54.82	−14 55 14.0		4	809
1997 JV_{16}	*	1997 05 03.27222	15 49 53.28	−13 56 27.1		4	809
1997 JV_{16}		1997 05 03.28542	15 49 52.65	−13 56 25.8		4	809
1997 JV_{16}		1997 05 03.29861	15 49 52.07	−13 56 23.5		4	809
1997 JV_{16}		1997 05 04.25278	15 49 11.59	−13 54 36.1	18.5	4	809
1997 JV_{16}		1997 05 04.26597	15 49 11.05	−13 54 34.1		4	809
1997 JV_{16}		1997 05 04.27917	15 49 10.40	−13 54 32.7		4	809
1997 JW_{16}	*	1997 05 03.27222	15 50 18.11	−13 21 06.9		4	809
1997 JW_{16}		1997 05 03.28542	15 50 17.40	−13 21 03.6		4	809
1997 JW_{16}		1997 05 03.29861	15 50 16.74	−13 21 00.0		4	809
1997 JW_{16}		1997 05 04.25278	15 49 28.96	−13 16 36.7	19.4	4	809
1997 JW_{16}		1997 05 04.26597	15 49 28.29	−13 16 33.6		4	809
1997 JW_{16}		1997 05 04.27917	15 49 27.66	−13 16 29.8		4	809
1997 JX_{16}	*	1997 05 03.27222	15 52 49.45	−15 58 42.4		4	809
1997 JX_{16}		1997 05 03.28542	15 52 48.64	−15 58 37.6		4	809
1997 JX_{16}		1997 05 03.29861	15 52 47.90	−15 58 33.4		4	809
1997 JX_{16}		1997 05 04.25278	15 51 57.46	−15 52 40.2	18.2	4	809
1997 JX_{16}		1997 05 04.26597	15 51 56.73	−15 52 35.4		4	809
1997 JX_{16}		1997 05 04.27917	15 51 55.97	−15 52 29.9		4	809
1997 JY_{16}	*	1997 05 03.27222	15 53 45.60	−13 05 11.5		4	809
1997 JY_{16}		1997 05 03.28542	15 53 44.88	−13 05 07.1		4	809
1997 JY_{16}		1997 05 03.29861	15 53 44.20	−13 05 02.5		4	809
1997 JY_{16}		1997 05 04.25278	15 52 55.28	−12 59 05.6	18.3	4	809
1997 JY_{16}		1997 05 04.26597	15 52 54.57	−12 59 00.2		4	809
1997 JY_{16}		1997 05 04.27917	15 52 53.82	−12 58 55.5		4	809
1997 JZ_{16}	*	1997 05 03.27222	15 54 07.48	−16 15 35.4		4	809
1997 JZ_{16}		1997 05 03.28542	15 54 06.87	−16 15 34.3		4	809
1997 JZ_{16}		1997 05 03.29861	15 54 06.29	−16 15 32.8		4	809
1997 JZ_{16}		1997 05 04.25278	15 53 25.10	−16 13 28.5	18.4	4	809
1997 JZ_{16}		1997 05 04.26597	15 53 24.42	−16 13 25.4		4	809
1997 JZ_{16}		1997 05 04.27917	15 53 23.82	−16 13 24.4		4	809
1997 JA_{17}	*	1997 05 03.27222	15 54 30.34	−14 07 13.7		4	809
1997 JA_{17}		1997 05 03.28542	15 54 29.71	−14 07 12.4		4	809
1997 JA_{17}		1997 05 03.29861	15 54 29.02	−14 07 10.6		4	809
1997 JA_{17}		1997 05 04.25278	15 53 45.98	−14 04 48.3	18.4	4	809
1997 JA_{17}		1997 05 04.26597	15 53 45.38	−14 04 46.3		4	809
1997 JA_{17}		1997 05 04.27917	15 53 44.69	−14 04 44.7		4	809
1997 JB_{17}	*	1997 05 03.27222	15 54 37.98	−13 19 00.3		4	809
1997 JB_{17}		1997 05 03.28542	15 54 37.40	−13 18 56.2		4	809
1997 JB_{17}		1997 05 03.29861	15 54 36.70	−13 18 51.7		4	809
1997 JB_{17}		1997 05 04.25278	15 53 52.63	−13 13 05.7	18.4	4	809
1997 JB_{17}		1997 05 04.26597	15 53 52.00	−13 13 00.3		4	809
1997 JB_{17}		1997 05 04.27917	15 53 51.34	−13 12 55.6		4	809
1997 JC_{17}	*	1997 05 03.27222	15 54 49.98	−15 16 57.0		4	809
1997 JC_{17}		1997 05 03.28542	15 54 49.25	−15 16 54.5		4	809
1997 JC_{17}		1997 05 03.29861	15 54 48.45	−15 16 50.5		4	809
1997 JC_{17}		1997 05 04.25278	15 53 59.06	−15 12 30.1	18.5	4	809
1997 JC_{17}		1997 05 04.26597	15 53 58.28	−15 12 27.4		4	809
1997 JC_{17}		1997 05 04.27917	15 53 57.57	−15 12 24.6		4	809
1997 JD_{17}	*	1997 05 03.27222	15 55 31.68	−16 07 54.0		4	809
1997 JD_{17}		1997 05 03.28542	15 55 30.95	−16 07 53.6		4	809
1997 JD_{17}		1997 05 03.29861	15 55 30.20	−16 07 53.4		4	809
1997 JD_{17}		1997 05 04.25278	15 54 40.43	−16 07 12.2	18.2	4	809
1997 JD_{17}		1997 05 04.26597	15 54 39.70	−16 07 12.9		4	809
1997 JD_{17}		1997 05 04.27917	15 54 39.00	−16 07 12.8		4	809

1997 JE_{17}	*	1997 05 03.27222	15 56 01.08	−14 07 41.0		4	809
1997 JE_{17}		1997 05 03.28542	15 56 00.42	−14 07 36.1		4	809
1997 JE_{17}		1997 05 03.29861	15 55 59.73	−14 07 30.4		4	809
1997 JE_{17}		1997 05 04.25278	15 55 15.08	−14 00 54.6	18.2	4	809
1997 JE_{17}		1997 05 04.26597	15 55 14.41	−14 00 49.9		4	809
1997 JE_{17}		1997 05 04.27917	15 55 13.71	−14 00 44.3		4	809
1997 JF_{17}	*	1997 05 03.27222	15 56 17.13	−15 55 24.4		4	809
1997 JF_{17}		1997 05 03.28542	15 56 16.51	−15 55 23.3		4	809
1997 JF_{17}		1997 05 03.29861	15 56 15.85	−15 55 21.0		4	809
1997 JF_{17}		1997 05 04.25278	15 55 33.51	−15 53 14.0	18.5	4	809
1997 JF_{17}		1997 05 04.26597	15 55 32.82	−15 53 11.7		4	809
1997 JF_{17}		1997 05 04.27917	15 55 32.18	−15 53 09.6		4	809
1997 JG_{17}	*	1997 05 03.27222	15 56 45.27	−13 12 00.4		4	809
1997 JG_{17}		1997 05 03.28542	15 56 44.51	−13 12 01.5		4	809
1997 JG_{17}		1997 05 03.29861	15 56 43.80	−13 12 00.7		4	809
1997 JG_{17}		1997 05 04.25278	15 55 52.50	−13 12 06.4	18.5	4	809
1997 JG_{17}		1997 05 04.26597	15 55 51.76	−13 12 05.1		4	809
1997 JG_{17}		1997 05 04.27917	15 55 51.02	−13 12 04.8		4	809
1997 JH_{17}	*	1997 05 03.27222	15 57 20.59	−16 33 51.3		4	809
1997 JH_{17}		1997 05 03.28542	15 57 19.91	−16 33 53.7		4	809
1997 JH_{17}		1997 05 03.29861	15 57 19.14	−16 33 53.6		4	809
1997 JH_{17}		1997 05 04.25278	15 56 29.00	−16 35 17.8	18.5	4	809
1997 JH_{17}		1997 05 04.26597	15 56 28.25	−16 35 19.3		4	809
1997 JH_{17}		1997 05 04.27917	15 56 27.54	−16 35 20.5		4	809
1997 JJ_{17}	*	1997 05 03.27222	15 57 30.77	−16 32 21.8		4	809
1997 JJ_{17}		1997 05 03.28542	15 57 30.00	−16 32 18.5		4	809
1997 JJ_{17}		1997 05 03.29861	15 57 29.27	−16 32 13.9		4	809
1997 JJ_{17}		1997 05 04.25278	15 56 39.06	−16 27 08.8	18.3	4	809
1997 JJ_{17}		1997 05 04.26597	15 56 38.39	−16 27 04.7		4	809
1997 JJ_{17}		1997 05 04.27917	15 56 37.56	−16 27 00.5		4	809
1997 JK_{17}	*	1997 05 03.27222	15 57 33.17	−16 33 39.6		4	809
1997 JK_{17}		1997 05 03.28542	15 57 32.56	−16 33 37.4		4	809
1997 JK_{17}		1997 05 03.29861	15 57 31.87	−16 33 34.7		4	809
1997 JK_{17}		1997 05 04.25278	15 56 46.40	−16 29 30.2	18.4	4	809
1997 JK_{17}		1997 05 04.26597	15 56 45.74	−16 29 26.3		4	809
1997 JK_{17}		1997 05 04.27917	15 56 45.16	−16 29 23.2		4	809
1997 JL_{17}	*	1997 05 03.27222	15 58 03.25	−12 58 41.7		4	809
1997 JL_{17}		1997 05 03.28542	15 58 02.56	−12 58 42.4		4	809
1997 JL_{17}		1997 05 03.29861	15 58 01.79	−12 58 42.8		4	809
1997 JL_{17}		1997 05 04.25278	15 57 10.85	−12 58 54.6	18.4	4	809
1997 JL_{17}		1997 05 04.26597	15 57 10.09	−12 58 53.8		4	809
1997 JL_{17}		1997 05 04.27917	15 57 09.38	−12 58 54.7		4	809
1997 JM_{17}	*	1997 05 03.27222	15 58 05.47	−16 25 58.5		4	809
1997 JM_{17}		1997 05 03.28542	15 58 05.02	−16 25 56.9		4	809
1997 JM_{17}		1997 05 03.29861	15 58 04.32	−16 25 52.6		4	809
1997 JM_{17}		1997 05 04.25278	15 57 24.88	−16 22 06.1	18.5	4	809
1997 JM_{17}		1997 05 04.26597	15 57 24.22	−16 22 02.3		4	809
1997 JM_{17}		1997 05 04.27917	15 57 23.56	−16 21 58.9		4	809
1997 JN_{17}	*	1997 05 03.27222	15 58 36.98	−16 30 45.1		4	809
1997 JN_{17}		1997 05 03.28542	15 58 36.40	−16 30 42.5		4	809
1997 JN_{17}		1997 05 03.29861	15 58 35.75	−16 30 40.6		4	809
1997 JN_{17}		1997 05 04.25278	15 57 53.30	−16 27 56.2	18.5	4	809
1997 JN_{17}		1997 05 04.26597	15 57 52.64	−16 27 54.7		4	809
1997 JN_{17}		1997 05 04.27917	15 57 51.97	−16 27 53.1		4	809
1997 JO_{17}	*	1997 05 03.27222	15 58 55.88	−16 40 35.4		4	809
1997 JO_{17}		1997 05 03.28542	15 58 55.11	−16 40 35.3		4	809
1997 JO_{17}		1997 05 03.29861	15 58 54.42	−16 40 33.7		4	809
1997 JO_{17}		1997 05 04.25278	15 58 06.01	−16 37 59.8	18.3	4	809
1997 JO_{17}		1997 05 04.26597	15 58 05.30	−16 37 57.6		4	809
1997 JO_{17}		1997 05 04.27917	15 58 04.53	−16 37 56.6		4	809
1997 JP_{17}	*	1997 05 03.27222	16 00 40.97	−14 28 54.0		4	809
1997 JP_{17}		1997 05 03.28542	16 00 40.41	−14 28 51.4		4	809
1997 JP_{17}		1997 05 03.29861	16 00 39.87	−14 28 48.2		4	809
1997 JP_{17}		1997 05 04.25278	16 00 02.84	−14 25 38.1	18.1	4	809
1997 JP_{17}		1997 05 04.26597	16 00 02.19	−14 25 35.9		4	809
1997 JP_{17}		1997 05 04.27917	16 00 01.64	−14 25 33.1		4	809
1997 JQ_{17}	*	1997 05 03.27222	16 01 30.51	−13 34 18.2		4	809
1997 JQ_{17}		1997 05 03.28542	16 01 29.95	−13 34 14.8		4	809
1997 JQ_{17}		1997 05 03.29861	16 01 29.32	−13 34 10.1		4	809
1997 JQ_{17}		1997 05 04.25278	16 00 49.96	−13 29 01.4	18.3	4	809
1997 JQ_{17}		1997 05 04.26597	16 00 49.38	−13 28 57.1		4	809
1997 JQ_{17}		1997 05 04.27917	16 00 48.84	−13 28 52.8		4	809
1997 JR_{17}	*	1997 05 03.27222	16 01 58.36	−17 16 25.3		4	809
1997 JR_{17}		1997 05 03.28542	16 01 57.83	−17 16 22.6		4	809
1997 JR_{17}		1997 05 03.29861	16 01 57.22	−17 16 19.8		4	809
1997 JR_{17}		1997 05 04.25278	16 01 15.82	−17 13 39.9	18.3	4	809
1997 JR_{17}		1997 05 04.26597	16 01 15.25	−17 13 38.3		4	809
1997 JR_{17}		1997 05 04.27917	16 01 14.59	−17 13 36.3		4	809
1997 JS_{17}	*	1997 05 03.27222	16 02 00.03	−14 37 36.3		4	809
1997 JS_{17}		1997 05 03.28542	16 01 59.43	−14 37 33.8		4	809
1997 JS_{17}		1997 05 03.29861	16 01 58.89	−14 37 30.1		4	809
1997 JS_{17}		1997 05 04.25278	16 01 20.84	−14 32 49.2	18.8	4	809
1997 JS_{17}		1997 05 04.26597	16 01 20.23	−14 32 46.5		4	809
1997 JS_{17}		1997 05 04.27917	16 01 19.62	−14 32 41.7		4	809
1997 JT_{17}	*	1997 05 03.27222	16 02 27.87	−15 10 50.3		4	809
1997 JT_{17}		1997 05 03.28542	16 02 27.32	−15 10 41.6		4	809
1997 JT_{17}		1997 05 03.29861	16 02 26.74	−15 10 32.7		4	809
1997 JT_{17}		1997 05 04.25278	16 01 49.40	−15 00 35.0	18.4	4	809
1997 JT_{17}		1997 05 04.26597	16 01 48.81	−15 00 25.6		4	809
1997 JT_{17}		1997 05 04.27917	16 01 48.18	−15 00 18.7		4	809
1997 JU_{17}	*	1997 05 03.27222	16 02 56.08	−13 58 30.9		4	809
1997 JU_{17}		1997 05 03.28542	16 02 55.48	−13 58 29.0		4	809
1997 JU_{17}		1997 05 03.29861	16 02 54.79	−13 58 29.0		4	809
1997 JU_{17}		1997 05 04.25278	16 02 12.87	−13 57 35.9	18.3	4	809
1997 JU_{17}		1997 05 04.26597	16 02 12.27	−13 57 35.6		4	809
1997 JU_{17}		1997 05 04.27917	16 02 11.64	−13 57 34.9		4	809
1997 JV_{17}	*	1997 05 03.27222	16 03 00.50	−14 42 31.0		4	809
1997 JV_{17}		1997 05 03.28542	16 02 59.92	−14 42 27.8		4	809
1997 JV_{17}		1997 05 03.29861	16 02 59.23	−14 42 24.9		4	809
1997 JV_{17}		1997 05 04.25278	16 02 16.05	−14 38 25.1	18.3	4	809
1997 JV_{17}		1997 05 04.26597	16 02 15.34	−14 38 21.4		4	809
1997 JV_{17}		1997 05 04.27917	16 02 14.68	−14 38 18.3		4	809
1997 JW_{17}	*	1997 05 03.27222	16 03 13.77	−15 31 08.6		4	809
1997 JW_{17}		1997 05 03.28542	16 03 13.19	−15 31 06.6		4	809

1997 JW_{17}		1997 05 03.29861	16 03 12.51	−15 31 06.3		4	809
1997 JW_{17}		1997 05 04.25278	16 02 31.45	−15 29 31.8	18.4	4	809
1997 JW_{17}		1997 05 04.26597	16 02 30.79	−15 29 30.4		4	809
1997 JW_{17}		1997 05 04.27917	16 02 30.17	−15 29 29.7		4	809
1997 JX_{17}	*	1997 05 03.27222	16 03 21.88	−14 39 41.7		4	809
1997 JX_{17}		1997 05 03.28542	16 03 21.22	−14 39 38.4		4	809
1997 JX_{17}		1997 05 03.29861	16 03 20.55	−14 39 36.6		4	809
1997 JX_{17}		1997 05 04.25278	16 02 36.09	−14 36 01.8	18.6	4	809
1997 JX_{17}		1997 05 04.26597	16 02 35.45	−14 36 00.2		4	809
1997 JX_{17}		1997 05 04.27917	16 02 34.74	−14 35 57.6		4	809
1997 JY_{17}	*	1997 05 03.27222	16 03 32.25	−15 10 42.1		4	809
1997 JY_{17}		1997 05 03.28542	16 03 31.55	−15 10 39.2		4	809
1997 JY_{17}		1997 05 03.29861	16 03 30.92	−15 10 36.9		4	809
1997 JY_{17}		1997 05 04.25278	16 02 47.08	−15 06 52.2	18.4	4	809
1997 JY_{17}		1997 05 04.26597	16 02 46.44	−15 06 49.5		4	809
1997 JY_{17}		1997 05 04.27917	16 02 45.75	−15 06 46.1		4	809
1997 JA_{18}	*	1997 05 03.27222	16 05 25.17	−16 21 19.1		4	809
1997 JA_{18}		1997 05 03.28542	16 05 24.37	−16 21 16.1		4	809
1997 JA_{18}		1997 05 03.29861	16 05 23.63	−16 21 14.7		4	809
1997 JA_{18}		1997 05 04.25278	16 04 32.94	−16 18 28.7	18.4	4	809
1997 JA_{18}		1997 05 04.26597	16 04 32.26	−16 18 26.6		4	809
1997 JA_{18}		1997 05 04.27917	16 04 31.51	−16 18 25.3		4	809
1997 JB_{18}	*	1997 05 03.27222	16 05 43.85	−16 20 57.5		4	809
1997 JB_{18}		1997 05 03.28542	16 05 43.18	−16 20 55.0		4	809
1997 JB_{18}		1997 05 03.29861	16 05 42.51	−16 20 54.6		4	809
1997 JB_{18}		1997 05 04.25278	16 05 02.56	−16 18 54.5	18.6	4	809
1997 JB_{18}		1997 05 04.26597	16 05 01.90	−16 18 51.9		4	809
1997 JB_{18}		1997 05 04.27917	16 05 01.29	−16 18 50.7		4	809
1997 JC_{18}	*	1997 05 03.27222	16 05 43.97	−14 34 01.2		4	809
1997 JC_{18}		1997 05 03.28542	16 05 43.24	−14 34 00.5		4	809
1997 JC_{18}		1997 05 03.29861	16 05 42.54	−14 33 59.3		4	809
1997 JC_{18}		1997 05 04.25278	16 04 50.84	−14 32 24.1	18.5	4	809
1997 JC_{18}		1997 05 04.26597	16 04 50.10	−14 32 22.3		4	809
1997 JC_{18}		1997 05 04.27917	16 04 49.26	−14 32 22.5		4	809
1997 JD_{18}	*	1997 05 03.27222	16 05 54.25	−15 51 01.6		4	809
1997 JD_{18}		1997 05 03.28542	16 05 53.65	−15 51 00.3		4	809
1997 JD_{18}		1997 05 03.29861	16 05 53.04	−15 50 56.2		4	809
1997 JD_{18}		1997 05 04.25278	16 05 07.69	−15 48 01.7	18.4	4	809
1997 JD_{18}		1997 05 04.26597	16 05 07.03	−15 47 59.0		4	809
1997 JD_{18}		1997 05 04.27917	16 05 06.34	−15 47 57.0		4	809
1997 JE_{18}	*	1997 05 03.27222	16 05 58.75	−15 17 16.4		4	809
1997 JE_{18}		1997 05 03.28542	16 05 58.21	−15 17 16.1		4	809
1997 JE_{18}		1997 05 03.29861	16 05 57.64	−15 17 13.5		4	809
1997 JE_{18}		1997 05 04.25278	16 05 16.71	−15 14 52.9	18.4	4	809
1997 JE_{18}		1997 05 04.26597	16 05 16.07	−15 14 51.6		4	809
1997 JE_{18}		1997 05 04.27917	16 05 15.38	−15 14 48.8		4	809
1997 JF_{18}	*	1997 05 03.27222	16 06 11.18	−13 14 16.5		4	809
1997 JF_{18}		1997 05 03.28542	16 06 10.53	−13 14 15.9		4	809
1997 JF_{18}		1997 05 03.29861	16 06 09.86	−13 14 14.6		4	809
1997 JF_{18}		1997 05 04.25278	16 05 22.58	−13 12 15.6	18.4	4	809
1997 JF_{18}		1997 05 04.26597	16 05 21.90	−13 12 14.0		4	809
1997 JF_{18}		1997 05 04.27917	16 05 21.21	−13 12 12.8		4	809
1997 JG_{18}	*	1997 05 03.27222	16 06 51.13	−16 19 17.3		4	809
1997 JG_{18}		1997 05 03.28542	16 06 50.58	−16 19 16.2		4	809
1997 JG_{18}		1997 05 03.29861	16 06 50.05	−16 19 13.3		4	809
1997 JG_{18}		1997 05 04.25278	16 06 12.82	−16 16 42.6	18.5	4	809
1997 JG_{18}		1997 05 04.26597	16 06 12.27	−16 16 40.6		4	809
1997 JG_{18}		1997 05 04.27917	16 06 11.69	−16 16 38.8		4	809
1997 JH_{18}	*	1997 05 03.27222	16 06 54.76	−12 32 21.9		4	809
1997 JH_{18}		1997 05 03.28542	16 06 54.19	−12 32 20.0		4	809
1997 JH_{18}		1997 05 03.29861	16 06 53.57	−12 32 17.6		4	809
1997 JH_{18}		1997 05 04.25278	16 06 13.48	−12 29 36.2	18.4	4	809
1997 JH_{18}		1997 05 04.26597	16 06 12.85	−12 29 34.2		4	809
1997 JH_{18}		1997 05 04.27917	16 06 12.31	−12 29 33.6		4	809
1997 JJ_{18}	*	1997 05 03.27222	16 08 16.26	−12 34 32.8		4	809
1997 JJ_{18}		1997 05 03.28542	16 08 15.67	−12 34 32.1		4	809
1997 JJ_{18}		1997 05 03.29861	16 08 15.04	−12 34 31.8		4	809
1997 JJ_{18}		1997 05 04.25278	16 07 31.05	−12 33 57.0	18.2	4	809
1997 JJ_{18}		1997 05 04.26597	16 07 30.46	−12 33 56.4		4	809
1997 JJ_{18}		1997 05 04.27917	16 07 29.79	−12 33 55.9		4	809
1997 JK_{18}	*	1997 05 03.27222	16 09 02.34	−12 45 02.4		4	809
1997 JK_{18}		1997 05 03.28542	16 09 01.60	−12 44 56.4		4	809
1997 JK_{18}		1997 05 03.29861	16 09 00.92	−12 44 52.3		4	809
1997 JK_{18}		1997 05 04.25278	16 08 17.26	−12 39 03.9	18.4	4	809
1997 JK_{18}		1997 05 04.26597	16 08 16.59	−12 39 00.4		4	809
1997 JK_{18}		1997 05 04.27917	16 08 15.96	−12 38 54.9		4	809
1997 JL_{18}	*	1997 05 03.27222	16 10 34.29	−14 20 17.8		4	809
1997 JL_{18}		1997 05 03.28542	16 10 33.67	−14 20 11.5		4	809
1997 JL_{18}		1997 05 03.29861	16 10 33.05	−14 20 05.5		4	809
1997 JL_{18}		1997 05 04.25278	16 09 52.91	−14 12 52.0	18.0	4	809
1997 JL_{18}		1997 05 04.26597	16 09 52.29	−14 12 45.9		4	809
1997 JL_{18}		1997 05 04.27917	16 09 51.65	−14 12 39.6		4	809
1997 JM_{18}	*	1997 05 03.27222	16 10 34.75	−16 13 40.6		4	809
1997 JM_{18}		1997 05 03.28542	16 10 34.13	−16 13 37.8		4	809
1997 JM_{18}		1997 05 03.29861	16 10 33.54	−16 13 34.3		4	809
1997 JM_{18}		1997 05 04.25278	16 09 54.14	−16 10 11.0	18.4	4	809
1997 JM_{18}		1997 05 04.26597	16 09 53.54	−16 10 08.7		4	809
1997 JM_{18}		1997 05 04.27917	16 09 52.91	−16 10 06.2		4	809
1997 LS	*	1997 06 01.20295	15 58 13.12	−18 44 13.3	16.5 V	9	809
1997 LS		1997 06 01.22567	15 58 11.87	−18 44 03.4		9	809
1997 LS		1997 06 01.23716	15 58 11.23	−18 43 58.3		9	809
1997 LS		1997 06 01.24903	15 58 10.58	−18 43 53.0		9	809
1997 LS		1997 06 01.28098	15 58 08.84	−18 43 38.9		9	809
1997 LS		1997 06 01.33347	15 58 06.00	−18 43 15.4		9	809
1997 LS		1997 06 02.26160	15 57 18.01	−18 36 32.6		9	809
1997 LS		1997 06 02.27632	15 57 17.22	−18 36 26.2		9	809
1997 LS		1997 06 02.29723	15 57 16.09	−18 36 16.9		9	809
2072 P-L		1995 09 19.14167	23 39 40.72	−01 47 47.6	18.9 V	8	809
2072 P-L		1995 09 19.20694	23 39 36.50	−01 47 59.9	19.0 V	8	809
2072 P-L		1995 09 20.18264	23 38 35.09	−01 51 23.5	18.9 V	8	809
4559 P-L		1995 08 24.33646	23 45 17.23	−01 27 13.6	19.6 V	8	809
4559 P-L		1995 08 25.30035	23 44 47.12	−01 30 41.0	19.1 V	8	809
4559 P-L		1995 09 01.29514	23 40 42.99	−01 58 32.4	19.5 V	8	809
4559 P-L		1995 09 17.17569	23 29 46.99	−03 12 50.2	19.4 V	8	809

4559 P-L	1995 09 18.23611	23 29 01.55	−03 17 56.9	17.9 V	8	809
4559 P-L	1995 09 19.14167	23 28 23.08	−03 22 18.3	17.6 V	8	809
4559 P-L	1995 09 20.25556	23 27 35.52	−03 27 38.9	18.6 V	8	809
4559 P-L	1995 09 22.17986	23 26 14.82	−03 36 44.6	18.0 V	8	809
4559 P-L	1995 09 22.24861	23 26 11.91	−03 37 04.3	18.2 V	8	809
4559 P-L	1995 09 23.16528	23 25 34.01	−03 41 20.9	18.1 V	8	809
4559 P-L	1995 09 24.15451	23 24 53.31	−03 45 55.6	18.5 V	8	809
4593 P-L	1997 05 03.14931	15 30 31.59	−15 56 15.0		4	809
4593 P-L	1997 05 03.16250	15 30 30.88	−15 56 12.3		4	809
4593 P-L	1997 05 03.17569	15 30 30.26	−15 56 10.3		4	809
4593 P-L	1997 05 04.16250	15 29 42.52	−15 52 44.4	18.5	4	809
4593 P-L	1997 05 04.17569	15 29 41.80	−15 52 41.1		4	809
4593 P-L	1997 05 04.18889	15 29 41.09	−15 52 39.1		4	809
4780 P-L	1997 04 07.28403	14 54 38.26	−12 35 49.4	18.4	4	809
4780 P-L	1997 04 07.29722	14 54 37.77	−12 35 46.6		4	809
4780 P-L	1997 04 07.31042	14 54 37.32	−12 35 43.6		4	809
4780 P-L	1997 04 08.27014	14 54 05.65	−12 31 25.5		4	809
4780 P-L	1997 04 08.28333	14 54 05.13	−12 31 21.2		4	809
4780 P-L	1997 04 08.29653	14 54 04.70	−12 31 18.0		4	809
6772 P-L	1995 09 22.24861	23 33 37.44	−03 19 29.0	19.4 V	8	809
6772 P-L	1995 09 23.16528	23 32 50.86	−03 25 14.3	19.4 V	8	809
1146 T-1	1997 04 08.27014	15 01 29.16	−14 56 27.2		4	809
1146 T-1	1997 04 08.28333	15 01 28.67	−14 56 23.8		4	809
1146 T-1	1997 04 08.29653	15 01 28.27	−14 56 20.3		4	809
3271 T-1	1995 09 19.20694	23 43 01.92	−01 18 25.6	16.7 V	8	809
3271 T-1	1995 09 20.18264	23 42 12.73	−01 22 58.0	17.0 V	8	809
4033 T-1	1997 04 07.28403	14 54 51.23	−10 38 07.3	18.5	4	809
4033 T-1	1997 04 07.29722	14 54 50.79	−10 38 01.9		4	809
4033 T-1	1997 04 07.31042	14 54 50.31	−10 37 57.5		4	809
4033 T-1	1997 04 08.27014	14 54 18.22	−10 32 03.3		4	809
4033 T-1	1997 04 08.28333	14 54 17.69	−10 31 57.3		4	809
4033 T-1	1997 04 08.29653	14 54 17.24	−10 31 53.0		4	809
4217 T-1	1995 08 30.22986	23 35 21.73	−07 37 01.2	19.9 V	8	809
1041 T-2	1997 04 07.28403	15 05 40.38	−15 23 17.1	18.6	4	809
1041 T-2	1997 04 07.29722	15 05 39.80	−15 23 14.6		4	809
1041 T-2	1997 04 07.31042	15 05 39.33	−15 23 13.1		4	809
1041 T-2	1997 04 08.27014	15 05 09.04	−15 20 20.5		4	809
1041 T-2	1997 04 08.28333	15 05 08.57	−15 20 18.4		4	809
1041 T-2	1997 04 08.29653	15 05 08.18	−15 20 15.7		4	809
1105 T-2	1997 05 03.27222	16 01 16.47	−17 19 08.2		4	809
1105 T-2	1997 05 03.28542	16 01 15.79	−17 19 04.3		4	809
1105 T-2	1997 05 03.29861	16 01 15.09	−17 19 02.9		4	809
1105 T-2	1997 05 04.25278	16 00 28.12	−17 15 41.4	18.5	4	809
1105 T-2	1997 05 04.26597	16 00 27.38	−17 15 39.4		4	809
1105 T-2	1997 05 04.27917	16 00 26.70	−17 15 35.8		4	809
1157 T-2	1997 05 03.14931	15 21 51.42	−16 22 00.9		4	809
1157 T-2	1997 05 03.16250	15 21 50.72	−16 21 55.9		4	809
1157 T-2	1997 05 03.17569	15 21 49.92	−16 21 52.2		4	809
1157 T-2	1997 05 04.16250	15 20 56.73	−16 16 33.2	18.3	4	809
1157 T-2	1997 05 04.17569	15 20 55.92	−16 16 29.3		4	809
1157 T-2	1997 05 04.18889	15 20 55.23	−16 16 25.7		4	809
2275 T-2	1995 08 26.22674	23 59 25.00	−00 01 29.4	19.7 V	8	809
2275 T-2	1995 09 01.29514	23 55 59.01	−00 27 12.9	19.5 V	8	809
2275 T-2	1995 09 20.18264	23 43 24.26	−01 59 55.8	18.2 V	8	809
4240 T-2	1995 08 29.23646	23 41 45.42	−08 58 21.6	17.1 V	8	809
4240 T-2	1995 08 30.22986	23 41 04.06	−09 04 40.2	16.8 V	8	809
4240 T-2	1995 08 30.30000	23 41 00.90	−09 05 06.9	16.7 V	8	809
4240 T-2	1995 08 31.22708	23 40 21.23	−09 11 03.4	16.8 V	8	809
2191 T-3	1995 09 01.29514	23 37 23.59	−01 48 21.3	20.2 V	8	809
2191 T-3	1995 09 17.17569	23 24 13.45	−02 50 00.5	19.4 V	8	809
2191 T-3	1995 09 18.14306	23 23 24.02	−02 53 56.9	19.4 V	8	809
2191 T-3	1995 09 18.23611	23 23 19.12	−02 54 18.2	19.4 V	8	809
2191 T-3	1995 09 20.25556	23 21 36.25	−03 02 29.5	20.5 V	8	809
3395 T-3	1997 04 07.28403	14 51 54.59	−11 48 28.8	18.3	4	809
3395 T-3	1997 04 07.29722	14 51 54.03	−11 48 24.5		4	809
3395 T-3	1997 04 07.31042	14 51 53.53	−11 48 19.8		4	809
3395 T-3	1997 04 08.27014	14 51 17.88	−11 42 26.7		4	809
3395 T-3	1997 04 08.28333	14 51 17.30	−11 42 21.8		4	809
3395 T-3	1997 04 08.29653	14 51 16.80	−11 42 17.3		4	809
3424 T-3	1997 04 07.28403	14 57 24.19	−13 35 17.0	18.5	4	809
3424 T-3	1997 04 07.29722	14 57 23.66	−13 35 14.2		4	809
3424 T-3	1997 04 07.31042	14 57 23.17	−13 35 12.5		4	809
3424 T-3	1997 04 08.27014	14 56 49.22	−13 31 41.9		4	809
3424 T-3	1997 04 08.28333	14 56 48.74	−13 31 39.3		4	809
3424 T-3	1997 04 08.29653	14 56 48.25	−13 31 35.6		4	809
(728)	1997 04 09.25972	14 38 58.09	−09 10 16.0	17.8	4	809
(728)	1997 04 09.27292	14 38 57.35	−09 10 13.3		4	809
(728)	1997 04 09.28611	14 38 56.67	−09 10 10.3		4	809
(728)	1997 04 10.20139	14 38 10.98	−09 06 54.2		4	809
(728)	1997 04 10.21458	14 38 10.28	−09 06 51.9		4	809
(728)	1997 04 10.22778	14 38 09.58	−09 06 49.1		4	809
(728)	1997 04 11.22153	14 37 18.52	−09 03 11.6		4	809
(728)	1997 04 11.23472	14 37 17.86	−09 03 08.0		4	809
(728)	1997 04 11.24792	14 37 17.13	−09 03 05.2		4	809
(728)	1997 04 12.22639	14 36 25.78	−08 59 28.7		4	809
(728)	1997 04 12.23958	14 36 25.02	−08 59 26.5		4	809
(728)	1997 04 12.25278	14 36 24.29	−08 59 22.8		4	809
(750)	1997 04 11.22153	14 34 19.16	−10 40 10.9	17.5	4	809
(750)	1997 04 11.23472	14 34 18.46	−10 40 08.5		4	809
(750)	1997 04 11.24792	14 34 17.73	−10 40 06.1		4	809
(750)	1997 04 12.22639	14 33 27.57	−10 37 02.8		4	809
(750)	1997 04 12.23958	14 33 26.86	−10 37 00.2		4	809
(750)	1997 04 12.25278	14 33 26.16	−10 36 57.4		4	809
(942)	1997 05 03.27222	16 05 25.02	−17 09 31.8		4	809
(942)	1997 05 03.28542	16 05 24.41	−17 09 32.1		4	809
(942)	1997 05 03.29861	16 05 23.81	−17 09 31.7		4	809
(1482)	1997 04 11.22153	14 39 21.67	−12 41 23.4	18.0	4	809
(1482)	1997 04 11.23472	14 39 21.11	−12 41 21.4		4	809
(1482)	1997 04 11.24792	14 39 20.47	−12 41 19.0		4	809
(1482)	1997 04 12.22639	14 38 38.89	−12 38 26.8		4	809
(1482)	1997 04 12.23958	14 38 38.31	−12 38 24.0		4	809
(1482)	1997 04 12.25278	14 38 37.63	−12 38 21.6		4	809
(1633)	1997 04 07.28403	15 09 19.59	−13 41 52.8	17.7	4	809
(1633)	1997 04 07.29722	15 09 19.14	−13 41 51.2		4	809

(1633)	1997 04 07.31042	15 09 18.71	−13 41 49.1		4	809
(1633)	1997 04 08.27014	15 08 50.41	−13 39 16.6		4	809
(1633)	1997 04 08.28333	15 08 49.96	−13 39 14.5		4	809
(1633)	1997 04 08.29653	15 08 49.50	−13 39 12.3		4	809
(1745)	1997 05 03.14931	15 20 07.75	−15 50 38.6	18.2	4	809
(1745)	1997 05 03.16250	15 20 07.05	−15 50 36.6		4	809
(1745)	1997 05 03.17569	15 20 06.34	−15 50 35.1		4	809
(1761)	1997 04 11.22153	14 30 22.38	−12 06 10.8	18.1	4	809
(1761)	1997 04 11.23472	14 30 21.77	−12 06 08.2		4	809
(1761)	1997 04 11.24792	14 30 21.16	−12 06 05.4		4	809
(1761)	1997 04 12.22639	14 29 37.45	−12 02 49.3		4	809
(1761)	1997 04 12.23958	14 29 36.84	−12 02 47.0		4	809
(1761)	1997 04 12.25278	14 29 36.22	−12 02 43.6		4	809
(1792)	1997 04 07.23958	14 20 36.50	−05 00 21.2	18.2	4	809
(1792)	1997 04 07.25278	14 20 35.85	−05 00 18.7		4	809
(1792)	1997 04 07.26597	14 20 35.26	−05 00 16.4		4	809
(2041)	1997 04 11.22153	14 24 08.97	−10 08 01.7		4	809
(2041)	1997 04 11.23472	14 24 08.50	−10 07 58.7		4	809
(2041)	1997 04 11.24792	14 24 07.91	−10 07 55.7		4	809
(2053)	1997 05 03.27222	16 05 55.70	−12 25 24.4		4	809
(2053)	1997 05 03.28542	16 05 55.10	−12 25 21.0		4	809
(2053)	1997 05 03.29861	16 05 54.53	−12 25 18.2		4	809
(2053)	1997 05 04.25278	16 05 13.18	−12 20 48.9	18.1	4	809
(2053)	1997 05 04.26597	16 05 12.58	−12 20 45.6		4	809
(2053)	1997 05 04.27917	16 05 11.97	−12 20 41.8		4	809
(2163)	1997 04 07.28403	14 51 24.07	−13 02 09.7	18.3	4	809
(2163)	1997 04 07.29722	14 51 23.57	−13 02 07.2		4	809
(2163)	1997 04 07.31042	14 51 23.10	−13 02 05.2		4	809
(2163)	1997 04 08.27014	14 50 50.07	−12 59 14.2		4	809
(2163)	1997 04 08.28333	14 50 49.55	−12 59 12.4		4	809
(2163)	1997 04 08.29653	14 50 49.06	−12 59 10.1		4	809
(2194)	1997 04 07.28403	15 04 42.90	−14 09 46.2	18.0	4	809
(2194)	1997 04 07.29722	15 04 42.32	−14 09 46.4		4	809
(2194)	1997 04 07.31042	15 04 41.74	−14 09 47.0		4	809
(2194)	1997 04 08.27014	15 04 01.43	−14 10 21.3		4	809
(2194)	1997 04 08.28333	15 04 00.80	−14 10 22.3		4	809
(2194)	1997 04 08.29653	15 04 00.24	−14 10 22.7		4	809
(2206)	1997 04 07.23958	14 22 26.32	−04 03 39.1	17.8	4	809
(2206)	1997 04 07.25278	14 22 25.69	−04 03 37.2		4	809
(2206)	1997 04 07.26597	14 22 25.09	−04 03 35.8		4	809
(2206)	1997 04 08.22639	14 21 42.55	−04 01 33.3		4	809
(2206)	1997 04 08.23958	14 21 41.91	−04 01 31.9		4	809
(2206)	1997 04 08.25278	14 21 41.31	−04 01 29.4		4	809
(2225)	1997 04 07.28403	15 01 58.46	−13 18 41.8	18.1	4	809
(2225)	1997 04 07.29722	15 01 57.93	−13 18 40.2		4	809
(2225)	1997 04 07.31042	15 01 57.50	−13 18 38.5		4	809
(2225)	1997 04 08.27014	15 01 24.19	−13 16 08.8		4	809
(2225)	1997 04 08.28333	15 01 23.68	−13 16 07.0		4	809
(2225)	1997 04 08.29653	15 01 23.18	−13 16 05.1		4	809
(2246)	1997 04 08.22639	14 20 06.84	−06 18 39.3		4	809
(2246)	1997 04 08.23958	14 20 06.38	−06 18 35.6		4	809
(2246)	1997 04 08.25278	14 20 05.89	−06 18 32.5		4	809
(2327)	1997 04 07.28403	15 11 31.99	−13 32 14.2	18.3	4	809
(2327)	1997 04 07.29722	15 11 31.49	−13 32 10.4		4	809
(2327)	1997 04 07.31042	15 11 31.02	−13 32 07.1		4	809
(2327)	1997 04 08.27014	15 10 57.09	−13 27 48.5		4	809
(2327)	1997 04 08.28333	15 10 56.53	−13 27 45.0		4	809
(2327)	1997 04 08.29653	15 10 56.07	−13 27 41.8		4	809
(2516)	1997 05 03.14931	15 24 35.04	−16 53 35.9		4	809
(2516)	1997 05 03.16250	15 24 34.17	−16 53 32.9		4	809
(2516)	1997 05 03.17569	15 24 33.34	−16 53 31.5		4	809
(2516)	1997 05 04.16250	15 23 33.34	−16 49 43.4	18.3	4	809
(2516)	1997 05 04.17569	15 23 32.48	−16 49 40.8		4	809
(2516)	1997 05 04.18889	15 23 31.64	−16 49 38.4		4	809
(2539)	1997 05 03.14931	15 35 10.55	−15 20 23.9		4	809
(2539)	1997 05 03.16250	15 35 09.66	−15 20 19.0		4	809
(2539)	1997 05 03.17569	15 35 08.94	−15 20 15.5		4	809
(2539)	1997 05 04.16250	15 34 12.14	−15 15 19.3	18.5	4	809
(2539)	1997 05 04.17569	15 34 11.34	−15 15 14.8		4	809
(2539)	1997 05 04.18889	15 34 10.59	−15 15 11.4		4	809
(2598)	1997 04 07.28403	14 58 07.25	−13 08 47.5	18.5	4	809
(2598)	1997 04 07.29722	14 58 06.73	−13 08 43.5		4	809
(2598)	1997 04 07.31042	14 58 06.24	−13 08 40.1		4	809
(2598)	1997 04 08.27014	14 57 31.71	−13 04 00.5		4	809
(2598)	1997 04 08.28333	14 57 31.26	−13 03 57.1		4	809
(2598)	1997 04 08.29653	14 57 30.76	−13 03 52.7		4	809
(2729)	1997 04 11.22153	14 20 15.44	−11 16 21.4	18.0	4	809
(2729)	1997 04 11.23472	14 20 14.86	−11 16 19.9		4	809
(2729)	1997 04 11.24792	14 20 14.22	−11 16 17.4		4	809
(2814)	1997 05 03.14931	15 38 46.21	−15 44 43.5		4	809
(2814)	1997 05 03.16250	15 38 45.57	−15 44 41.0		4	809
(2814)	1997 05 03.17569	15 38 44.97	−15 44 38.6		4	809
(2814)	1997 05 04.16250	15 37 58.49	−15 41 25.4	18.3	4	809
(2814)	1997 05 04.17569	15 37 57.81	−15 41 23.0		4	809
(2814)	1997 05 04.18889	15 37 57.19	−15 41 20.2		4	809
(3035)	1997 04 07.28403	15 01 06.47	−14 34 43.1	18.2	4	809
(3035)	1997 04 07.29722	15 01 06.06	−14 34 40.4		4	809
(3035)	1997 04 07.31042	15 01 05.62	−14 34 37.0		4	809
(3035)	1997 04 08.27014	15 00 37.67	−14 30 52.0		4	809
(3035)	1997 04 08.28333	15 00 37.16	−14 30 49.4		4	809
(3035)	1997 04 08.29653	15 00 36.76	−14 30 46.1		4	809
(3165)	1997 05 03.27222	15 57 41.41	−16 12 46.6		4	809
(3165)	1997 05 03.28542	15 57 40.57	−16 12 45.3		4	809
(3165)	1997 05 03.29861	15 57 39.84	−16 12 43.7		4	809
(3165)	1997 05 04.25278	15 56 49.11	−16 11 01.4	17.8	4	809
(3165)	1997 05 04.26597	15 56 48.39	−16 10 59.9		4	809
(3165)	1997 05 04.27917	15 56 47.64	−16 10 58.8		4	809
(3192)	1997 04 07.28403	14 51 34.23	−14 13 13.3	18.3	4	809
(3192)	1997 04 07.29722	14 51 33.62	−14 13 11.1		4	809
(3192)	1997 04 07.31042	14 51 33.02	−14 13 09.8		4	809
(3192)	1997 04 08.27014	14 50 51.58	−14 11 07.9		4	809
(3192)	1997 04 08.28333	14 50 50.91	−14 11 06.7		4	809
(3192)	1997 04 08.29653	14 50 50.30	−14 11 04.7		4	809
(3331)	1997 05 03.27222	16 09 52.71	−15 38 12.0		4	809

(3331)	1997 05 03.28542	16 09 51.98	−15 38 10.5		4	809
(3331)	1997 05 03.29861	16 09 51.34	−15 38 07.3		4	809
(3331)	1997 05 04.25278	16 09 04.27	−15 34 32.2	18.3	4	809
(3331)	1997 05 04.26597	16 09 03.54	−15 34 29.5		4	809
(3331)	1997 05 04.27917	16 09 02.83	−15 34 26.7		4	809
(3434)	1997 04 07.28403	14 54 37.74	−12 31 31.5	18.4	4	809
(3434)	1997 04 07.29722	14 54 37.20	−12 31 29.2		4	809
(3434)	1997 04 07.31042	14 54 36.70	−12 31 27.1		4	809
(3434)	1997 04 08.27014	14 53 59.88	−12 28 24.4		4	809
(3434)	1997 04 08.28333	14 53 59.30	−12 28 22.6		4	809
(3434)	1997 04 08.29653	14 53 58.78	−12 28 20.7		4	809
(3443)	1997 04 07.23958	14 29 20.65	−05 10 31.2	17.8	4	809
(3443)	1997 04 07.25278	14 29 20.18	−05 10 20.9		4	809
(3443)	1997 04 07.26597	14 29 19.66	−05 10 11.4		4	809
(3443)	1997 04 08.22639	14 28 46.82	−04 57 43.7		4	809
(3443)	1997 04 08.23958	14 28 46.33	−04 57 33.2		4	809
(3443)	1997 04 08.25278	14 28 45.78	−04 57 22.5		4	809
(3449)	1997 04 07.28403	14 58 06.21	−14 57 02.6	18.5	4	809
(3449)	1997 04 07.29722	14 58 05.66	−14 56 59.8		4	809
(3449)	1997 04 07.31042	14 58 05.23	−14 56 58.9		4	809
(3449)	1997 04 08.27014	14 57 31.76	−14 54 33.0		4	809
(3449)	1997 04 08.28333	14 57 31.22	−14 54 30.5		4	809
(3449)	1997 04 08.29653	14 57 30.73	−14 54 28.4		4	809
(3480)	1997 04 11.22153	14 20 03.59	−11 22 18.6	17.8	4	809
(3480)	1997 04 11.23472	14 20 03.13	−11 22 14.5		4	809
(3480)	1997 04 11.24792	14 20 02.63	−11 22 09.5		4	809
(3538)	1997 05 03.14931	15 34 48.76	−13 50 52.5		4	809
(3538)	1997 05 03.16250	15 34 48.02	−13 50 49.2		4	809
(3538)	1997 05 03.17569	15 34 47.34	−13 50 47.5		4	809
(3538)	1997 05 04.16250	15 33 57.30	−13 46 57.1	18.4	4	809
(3538)	1997 05 04.17569	15 33 56.61	−13 46 54.0		4	809
(3538)	1997 05 04.18889	15 33 55.87	−13 46 51.3		4	809
(3632)	1997 05 03.14931	15 31 11.91	−14 29 36.0		4	809
(3632)	1997 05 03.16250	15 31 11.24	−14 29 32.0		4	809
(3632)	1997 05 03.17569	15 31 10.56	−14 29 28.9		4	809
(3632)	1997 05 04.16250	15 30 21.91	−14 25 14.4	18.3	4	809
(3632)	1997 05 04.17569	15 30 21.18	−14 25 10.9		4	809
(3632)	1997 05 04.18889	15 30 20.51	−14 25 07.3		4	809
(3668)	1997 05 04.16250	15 41 58.80	−15 54 33.2	17.7	4	809
(3668)	1997 05 04.17569	15 41 58.08	−15 54 28.8		4	809
(3668)	1997 05 04.18889	15 41 57.40	−15 54 25.6		4	809
(3911)	1997 04 07.28403	14 53 22.76	−14 49 33.9	18.2	4	809
(3911)	1997 04 07.29722	14 53 22.40	−14 49 30.1		4	809
(3911)	1997 04 07.31042	14 53 21.95	−14 49 25.2		4	809
(3911)	1997 04 08.27014	14 52 51.04	−14 44 14.4		4	809
(3911)	1997 04 08.28333	14 52 50.48	−14 44 10.3		4	809
(3911)	1997 04 08.29653	14 52 50.02	−14 44 06.4		4	809
(3959)	1997 05 03.14931	15 24 59.41	−16 59 35.4		4	809
(3959)	1997 05 03.16250	15 24 58.56	−16 59 30.9		4	809
(3959)	1997 05 03.17569	15 24 57.75	−16 59 28.1		4	809
(3959)	1997 05 04.16250	15 23 59.22	−16 54 35.1	18.4	4	809
(3959)	1997 05 04.17569	15 23 58.41	−16 54 31.4		4	809
(3959)	1997 05 04.18889	15 23 57.59	−16 54 27.2		4	809
(3972)	1997 05 03.27222	16 05 09.64	−13 44 41.2		4	809
(3972)	1997 05 03.28542	16 05 08.91	−13 44 37.2		4	809
(3972)	1997 05 03.29861	16 05 08.17	−13 44 33.8		4	809
(3972)	1997 05 04.25278	16 04 19.84	−13 39 54.1	18.4	4	809
(3972)	1997 05 04.26597	16 04 19.11	−13 39 49.6		4	809
(3972)	1997 05 04.27917	16 04 18.42	−13 39 46.7		4	809
(4032)	1997 05 03.14931	15 39 29.01	−16 12 23.3		4	809
(4032)	1997 05 03.16250	15 39 28.13	−16 12 19.8		4	809
(4032)	1997 05 03.17569	15 39 27.30	−16 12 16.8		4	809
(4032)	1997 05 04.16250	15 38 29.18	−16 08 04.0	18.3	4	809
(4032)	1997 05 04.17569	15 38 28.39	−16 08 01.4		4	809
(4032)	1997 05 04.18889	15 38 27.55	−16 07 59.5		4	809
(4180)	1997 04 07.28403	15 01 55.72	−11 20 10.4	18.2	4	809
(4180)	1997 04 07.29722	15 01 55.43	−11 20 03.0		4	809
(4180)	1997 04 07.31042	15 01 55.16	−11 19 55.3		4	809
(4180)	1997 04 08.27014	15 01 36.18	−11 10 18.4		4	809
(4180)	1997 04 08.28333	15 01 35.89	−11 10 10.5		4	809
(4180)	1997 04 08.29653	15 01 35.59	−11 10 02.8		4	809
(4361)	1997 05 03.14931	15 30 54.48	−17 28 44.9		4	809
(4361)	1997 05 03.16250	15 30 53.87	−17 28 44.0		4	809
(4361)	1997 05 03.17569	15 30 53.21	−17 28 43.1		4	809
(4361)	1997 05 04.16250	15 30 08.55	−17 26 22.9	18.4	4	809
(4361)	1997 05 04.17569	15 30 07.88	−17 26 20.0		4	809
(4361)	1997 05 04.18889	15 30 07.24	−17 26 19.3		4	809
(4411)	1997 05 03.14931	15 21 57.77	−15 47 50.3		4	809
(4411)	1997 05 03.16250	15 21 56.88	−15 47 49.0		4	809
(4411)	1997 05 03.17569	15 21 56.00	−15 47 45.9		4	809
(4411)	1997 05 04.16250	15 20 53.03	−15 44 23.1	18.1	4	809
(4411)	1997 05 04.17569	15 20 52.12	−15 44 21.0		4	809
(4411)	1997 05 04.18889	15 20 51.27	−15 44 18.5		4	809
(4463)	1997 04 11.22153	14 24 52.00	−12 12 23.7	18.5	4	809
(4463)	1997 04 11.23472	14 24 51.48	−12 12 21.6		4	809
(4463)	1997 04 11.24792	14 24 50.89	−12 12 18.4		4	809
(4463)	1997 04 12.22639	14 24 11.66	−12 08 42.1		4	809
(4463)	1997 04 12.23958	14 24 11.05	−12 08 39.7		4	809
(4463)	1997 04 12.25278	14 24 10.45	−12 08 35.6		4	809
(4520)	1997 05 03.14931	15 27 14.18	−13 30 54.8		4	809
(4520)	1997 05 03.16250	15 27 13.35	−13 30 52.3		4	809
(4520)	1997 05 03.17569	15 27 12.59	−13 30 50.3		4	809
(4520)	1997 05 04.16250	15 26 12.77	−13 27 43.8	17.8	4	809
(4520)	1997 05 04.17569	15 26 11.97	−13 27 42.4		4	809
(4520)	1997 05 04.18889	15 26 11.10	−13 27 39.9		4	809
(4645)	1997 04 07.23958	14 31 45.25	−07 00 19.9	18.1	4	809
(4645)	1997 04 07.25278	14 31 44.70	−07 00 13.7		4	809
(4645)	1997 04 07.26597	14 31 44.13	−07 00 07.8		4	809
(4645)	1997 04 08.22639	14 31 04.98	−06 52 46.0		4	809
(4645)	1997 04 08.23958	14 31 04.39	−06 52 40.4		4	809
(4645)	1997 04 08.25278	14 31 03.79	−06 52 34.2		4	809
(4645)	1997 04 09.25972	14 30 21.79	−06 44 42.1	17.8	4	809
(4645)	1997 04 09.27292	14 30 21.19	−06 44 35.3		4	809
(4645)	1997 04 09.28611	14 30 20.57	−06 44 29.5		4	809

(4645)	1997 04 10.20139	14 29 41.99	−06 37 19.8		4	809
(4645)	1997 04 10.21458	14 29 41.40	−06 37 13.6		4	809
(4645)	1997 04 10.22778	14 29 40.81	−06 37 07.6		4	809
(4704)	1997 05 03.14931	15 22 26.06	−15 47 55.5		4	809
(4704)	1997 05 03.16250	15 22 25.42	−15 47 50.6		4	809
(4704)	1997 05 03.17569	15 22 24.70	−15 47 42.7		4	809
(4704)	1997 05 04.16250	15 21 34.32	−15 39 14.4	18.2	4	809
(4704)	1997 05 04.17569	15 21 33.65	−15 39 08.1		4	809
(4704)	1997 05 04.18889	15 21 32.93	−15 39 02.0		4	809
(4739)	1997 05 03.14931	15 33 30.67	−16 52 06.8		4	809
(4739)	1997 05 03.16250	15 33 29.97	−16 52 04.5		4	809
(4739)	1997 05 03.17569	15 33 29.31	−16 52 02.7		4	809
(4739)	1997 05 04.16250	15 32 40.01	−16 48 34.5	18.4	4	809
(4739)	1997 05 04.17569	15 32 39.26	−16 48 31.9		4	809
(4739)	1997 05 04.18889	15 32 38.58	−16 48 30.1		4	809
(4928)	1997 05 03.14931	15 32 01.71	−17 24 08.2		4	809
(4928)	1997 05 03.16250	15 32 00.85	−17 24 04.3		4	809
(4928)	1997 05 03.17569	15 32 00.09	−17 24 02.2		4	809
(4928)	1997 05 04.16250	15 31 00.99	−17 18 55.8	18.3	4	809
(4928)	1997 05 04.17569	15 31 00.13	−17 18 52.0		4	809
(4928)	1997 05 04.18889	15 30 59.28	−17 18 48.3		4	809
(4971)	1997 04 07.28403	14 55 38.87	−11 49 05.5	18.2	4	809
(4971)	1997 04 07.29722	14 55 38.25	−11 49 03.0		4	809
(4971)	1997 04 07.31042	14 55 37.73	−11 49 00.0		4	809
(4971)	1997 04 08.27014	14 54 55.34	−11 45 16.6		4	809
(4971)	1997 04 08.28333	14 54 54.65	−11 45 13.0		4	809
(4971)	1997 04 08.29653	14 54 53.99	−11 45 10.4		4	809
(5163)	1997 04 09.25972	14 21 43.01	−08 40 42.3	18.0	4	809
(5163)	1997 04 09.27292	14 21 42.37	−08 40 37.1		4	809
(5163)	1997 04 09.28611	14 21 41.66	−08 40 31.6		4	809
(5163)	1997 04 10.20139	14 20 57.85	−08 34 12.7		4	809
(5163)	1997 04 10.21458	14 20 57.19	−08 34 07.3		4	809
(5163)	1997 04 10.22778	14 20 56.50	−08 34 01.6		4	809
(5239)	1997 04 07.23958	14 34 28.07	−05 01 26.3	18.4	4	809
(5239)	1997 04 07.25278	14 34 27.47	−05 01 24.0		4	809
(5239)	1997 04 07.26597	14 34 26.89	−05 01 21.3		4	809
(5239)	1997 04 08.22639	14 33 44.74	−04 58 01.1		4	809
(5239)	1997 04 08.23958	14 33 44.15	−04 58 00.0		4	809
(5239)	1997 04 08.25278	14 33 43.52	−04 57 57.5		4	809
(5286)	1997 05 03.27222	15 50 07.32	−15 56 39.0		4	809
(5286)	1997 05 03.28542	15 50 06.67	−15 56 37.3		4	809
(5286)	1997 05 03.29861	15 50 05.98	−15 56 34.7		4	809
(5286)	1997 05 04.25278	15 49 22.36	−15 54 10.1	18.3	4	809
(5286)	1997 05 04.26597	15 49 21.74	−15 54 07.7		4	809
(5286)	1997 05 04.27917	15 49 21.05	−15 54 05.7		4	809
(5543)	1997 04 11.22153	14 31 55.02	−11 09 35.1	18.4	4	809
(5543)	1997 04 11.23472	14 31 54.27	−11 09 30.6		4	809
(5543)	1997 04 11.24792	14 31 53.58	−11 09 26.1		4	809
(5543)	1997 04 12.22639	14 31 02.26	−11 04 00.0		4	809
(5543)	1997 04 12.23958	14 31 01.62	−11 03 55.8		4	809
(5543)	1997 04 12.25278	14 31 00.90	−11 03 51.9		4	809
(5612)	1997 04 07.28403	15 03 19.17	−13 37 32.7	18.4	4	809
(5612)	1997 04 07.29722	15 03 18.65	−13 37 31.9		4	809
(5612)	1997 04 07.31042	15 03 18.03	−13 37 31.3		4	809
(5612)	1997 04 08.27014	15 02 37.62	−13 36 37.1		4	809
(5612)	1997 04 08.28333	15 02 37.02	−13 36 36.3		4	809
(5612)	1997 04 08.29653	15 02 36.41	−13 36 36.0		4	809
(5760)	1997 05 03.27222	15 51 48.61	−14 25 49.0		4	809
(5760)	1997 05 03.28542	15 51 47.99	−14 25 44.5		4	809
(5760)	1997 05 03.29861	15 51 47.44	−14 25 40.8		4	809
(5760)	1997 05 04.25278	15 51 07.02	−14 20 09.3	18.3	4	809
(5760)	1997 05 04.26597	15 51 06.46	−14 20 05.0		4	809
(5760)	1997 05 04.27917	15 51 05.88	−14 19 59.8		4	809
(5926)	1997 04 07.28403	15 07 34.01	−12 13 07.7		4	809
(5926)	1997 04 07.29722	15 07 33.54	−12 13 04.1		4	809
(5926)	1997 04 07.31042	15 07 33.05	−12 13 00.4		4	809
(5926)	1997 04 08.27014	15 06 59.44	−12 08 31.5		4	809
(5926)	1997 04 08.28333	15 06 58.93	−12 08 26.7		4	809
(5926)	1997 04 08.29653	15 06 58.41	−12 08 23.8		4	809
(6069)	1997 05 03.27222	16 09 57.22	−16 11 13.7		4	809
(6069)	1997 05 03.28542	16 09 56.56	−16 11 10.9		4	809
(6069)	1997 05 03.29861	16 09 55.82	−16 11 07.0		4	809
(6069)	1997 05 04.25278	16 09 08.98	−16 06 23.4	18.2	4	809
(6069)	1997 05 04.26597	16 09 08.22	−16 06 19.5		4	809
(6069)	1997 05 04.27917	16 09 07.56	−16 06 16.0		4	809
(6210)	1997 05 03.27222	16 04 48.15	−16 25 31.2		4	809
(6210)	1997 05 03.28542	16 04 47.53	−16 25 29.8		4	809
(6210)	1997 05 03.29861	16 04 46.88	−16 25 27.3		4	809
(6210)	1997 05 04.25278	16 04 04.68	−16 23 07.8	18.3	4	809
(6210)	1997 05 04.26597	16 04 03.99	−16 23 05.1		4	809
(6210)	1997 05 04.27917	16 04 03.38	−16 23 04.1		4	809
(6308)	1997 05 03.14931	15 29 04.33	−16 42 17.8		4	809
(6308)	1997 05 03.16250	15 29 03.56	−16 42 15.5		4	809
(6308)	1997 05 03.17569	15 29 02.99	−16 42 13.9		4	809
(6308)	1997 05 04.16250	15 28 18.61	−16 39 45.4	18.5	4	809
(6308)	1997 05 04.17569	15 28 17.95	−16 39 43.6		4	809
(6308)	1997 05 04.18889	15 28 17.38	−16 39 42.0		4	809
(6532)	1997 05 03.14931	15 30 52.75	−13 00 18.8		4	809
(6532)	1997 05 03.16250	15 30 52.16	−13 00 17.2		4	809
(6532)	1997 05 03.17569	15 30 51.55	−13 00 15.2		4	809
(6532)	1997 05 04.16250	15 30 07.51	−12 57 48.0	18.3	4	809
(6532)	1997 05 04.17569	15 30 06.88	−12 57 45.8		4	809
(6532)	1997 05 04.18889	15 30 06.25	−12 57 43.7		4	809
(6735)	1997 04 07.28403	15 05 12.22	−14 08 45.7	18.3	4	809
(6735)	1997 04 07.29722	15 05 11.70	−14 08 43.6		4	809
(6735)	1997 04 07.31042	15 05 11.12	−14 08 42.1		4	809
(6735)	1997 04 08.27014	15 04 30.91	−14 06 09.1		4	809
(6735)	1997 04 08.28333	15 04 30.35	−14 06 07.1		4	809
(6735)	1997 04 08.29653	15 04 29.77	−14 06 05.3		4	809
(6736)	1997 04 07.28403	14 52 27.93	−13 48 55.1	18.4	4	809
(6736)	1997 04 07.29722	14 52 27.28	−13 48 53.6		4	809
(6736)	1997 04 07.31042	14 52 26.72	−13 48 51.3		4	809
(6736)	1997 04 08.27014	14 51 43.27	−13 46 20.5		4	809
(6736)	1997 04 08.28333	14 51 42.46	−13 46 19.2		4	809

(6736)	1997 04 08.29653	14 51 41.88	−13 46 16.9			4	809
(6778)	1997 04 07.28403	15 02 48.15	−12 34 08.0	18.4		4	809
(6778)	1997 04 07.29722	15 02 47.65	−12 34 06.6			4	809
(6778)	1997 04 07.31042	15 02 47.16	−12 34 03.6			4	809
(6778)	1997 04 08.27014	15 02 14.41	−12 30 55.9			4	809
(6778)	1997 04 08.28333	15 02 13.91	−12 30 53.7			4	809
(6778)	1997 04 08.29653	15 02 13.42	−12 30 51.6			4	809
(6860)	1997 04 11.22153	14 21 12.42	−10 59 25.9	18.5		4	809
(6860)	1997 04 11.23472	14 21 11.83	−10 59 23.6			4	809
(6860)	1997 04 11.24792	14 21 11.26	−10 59 20.1			4	809
(6860)	1997 04 12.22639	14 20 29.47	−10 55 17.5			4	809
(6860)	1997 04 12.23958	14 20 28.86	−10 55 15.1			4	809
(6860)	1997 04 12.25278	14 20 28.31	−10 55 11.2			4	809
(6878)	1997 04 09.25972	14 39 21.60	−09 27 11.1	18.3		4	809
(6878)	1997 04 09.27292	14 39 20.96	−09 27 07.3			4	809
(6878)	1997 04 09.28611	14 39 20.34	−09 27 04.0			4	809
(6878)	1997 04 10.20139	14 38 39.76	−09 23 25.6			4	809
(6878)	1997 04 10.21458	14 38 39.05	−09 23 22.2			4	809
(6878)	1997 04 10.22778	14 38 38.44	−09 23 19.1			4	809
(6878)	1997 04 11.22153	14 37 52.92	−09 19 15.0			4	809
(6878)	1997 04 11.23472	14 37 52.31	−09 19 11.4			4	809
(6878)	1997 04 11.24792	14 37 51.69	−09 19 07.9			4	809
(6878)	1997 04 12.22639	14 37 05.81	−09 15 05.9			4	809
(6878)	1997 04 12.23958	14 37 05.19	−09 15 02.7			4	809
(6878)	1997 04 12.25278	14 37 04.51	−09 14 58.9			4	809
(7056)	1997 05 03.14931	15 39 40.36	−15 55 28.9			4	809
(7056)	1997 05 03.16250	15 39 39.67	−15 55 27.1			4	809
(7056)	1997 05 03.17569	15 39 38.99	−15 55 26.8			4	809
(7056)	1997 05 04.16250	15 38 49.91	−15 54 05.3	18.3		4	809
(7056)	1997 05 04.17569	15 38 49.08	−15 54 04.4			4	809
(7056)	1997 05 04.18889	15 38 48.42	−15 54 03.5			4	809
(7348)	1995 08 19.20035	23 45 16.73	−02 07 29.1	18.1	V	8	809
(7348)	1995 08 20.22326	23 44 44.46	−02 10 52.5	17.8	V	8	809
(7348)	1995 08 22.33264	23 43 35.12	−02 18 09.1	18.7	V	8	809
(7348)	1995 08 24.33646	23 42 25.88	−02 25 24.4	19.4	V	8	809
(7348)	1995 08 25.30035	23 41 51.52	−02 29 00.8	18.0	V	8	809
(7348)	1995 08 26.29062	23 41 15.51	−02 32 49.2	18.1	V	8	809
(7348)	1995 08 27.18785	23 40 42.27	−02 36 17.3	18.1	V	8	809
(7348)	1995 08 27.28646	23 40 38.57	−02 36 39.3	17.7	V	8	809
(7348)	1995 08 28.22812	23 40 03.08	−02 40 22.1	17.9	V	8	809
(7348)	1995 09 01.29514	23 37 23.23	−02 57 00.0	17.6	V	8	809
(7348)	1995 09 17.17569	23 26 02.61	−04 07 11.3	17.5	V	8	809
(7348)	1995 09 18.14306	23 25 20.40	−04 11 30.0	17.4	V	8	809
(7348)	1995 09 18.23611	23 25 16.21	−04 11 54.3	18.0	V	8	809
(7348)	1995 09 19.14167	23 24 36.94	−04 15 55.0	17.7	V	8	809
(7348)	1995 09 20.25556	23 23 48.48	−04 20 48.7	17.5	V	8	809
(7348)	1995 09 22.17986	23 22 25.84	−04 29 11.4	18.0	V	8	809
(7348)	1995 09 22.24861	23 22 22.92	−04 29 30.1	18.1	V	8	809
(7348)	1995 09 23.16528	23 21 43.95	−04 33 26.0	17.6	V	8	809
(7348)	1995 09 24.15451	23 21 02.17	−04 37 39.3	17.9	V	8	809
(7420)	1995 08 24.33646	23 48 48.80	−03 15 22.7	16.3	V	8	809
(7420)	1995 08 25.23229	23 48 18.85	−03 19 42.0	17.4	V	8	809
(7420)	1995 08 25.30035	23 48 16.32	−03 20 03.4	16.8	V	8	809
(7420)	1995 08 26.22674	23 47 43.98	−03 24 38.8	16.9	V	8	809
(7420)	1995 08 27.28646	23 47 04.93	−03 30 03.9	17.1	V	8	809
(7420)	1995 08 28.22812	23 46 29.34	−03 34 58.8	17.1	V	8	809
(7420)	1995 08 28.29062	23 46 26.78	−03 35 19.4	16.8	V	8	809
(7420)	1995 08 29.29965	23 45 47.08	−03 40 43.0	0.0	V	8	809
(7420)	1995 09 01.29514	23 43 42.04	−03 57 22.4	16.9	V	8	809
(7420)	1995 09 18.23611	23 29 57.82	−05 38 31.4	16.8	V	8	809
(7420)	1995 09 19.14167	23 29 12.87	−05 43 43.9	17.4	V	8	809
(7420)	1995 09 20.25556	23 28 17.22	−05 50 03.4	16.3	V	8	809
(7420)	1995 09 22.17986	23 26 43.44	−06 00 42.2	16.3	V	8	809
(7420)	1995 09 22.24861	23 26 39.92	−06 01 05.1	16.4	V	8	809
(7420)	1995 09 23.16528	23 25 56.16	−06 06 00.4	17.0	V	8	809
(7420)	1995 09 24.15451	23 25 09.42	−06 11 12.3	17.0	V	8	809
(7420)	1995 09 29.21528	23 21 23.59	−06 35 46.0	0.0	V	8	809
(7464)	1995 08 27.28646	23 52 11.31	−07 24 41.9	17.0	V	8	809
(7464)	1995 08 28.22812	23 51 37.59	−07 26 21.7	16.7	V	8	809
(7464)	1995 08 28.29062	23 51 35.14	−07 26 29.9	16.5	V	8	809
(7464)	1995 08 29.29965	23 50 57.18	−07 28 19.3	17.1	V	8	809
(7464)	1995 08 30.30000	23 50 17.98	−07 30 12.7	17.1	V	8	809
(7464)	1995 08 31.22708	23 49 40.52	−07 31 59.2	16.8	V	8	809
(7464)	1995 08 31.29444	23 49 37.43	−07 32 07.3	17.2	V	8	809
(7464)	1995 09 01.22361	23 48 58.43	−07 33 55.9	17.2	V	8	809
(7464)	1995 09 22.24861	23 30 42.18	−08 10 24.4	16.5	V	8	809
(7464)	1995 09 23.16528	23 29 51.92	−08 11 13.4	16.3	V	8	809
(7464)	1995 09 24.15451	23 28 57.88	−08 11 57.5	16.1	V	8	809
(7464)	1995 09 29.21528	23 24 31.97	−08 13 31.6	0.0	V	8	809
(7530)	1995 08 19.20035	23 35 23.78	−03 51 35.1	15.3	V	8	809
(7530)	1995 08 20.22326	23 35 03.57	−04 04 13.3	15.1	V	8	809
(7530)	1995 08 22.33264	23 34 17.35	−04 30 59.2	15.4	V	8	809
(7530)	1995 08 26.29062	23 32 35.81	−05 23 27.9	15.2	V	8	809
(7530)	1995 08 27.18785	23 32 10.45	−05 35 43.8	14.9	V	8	809
(7530)	1995 08 29.23646	23 31 08.67	−06 04 07.6	15.3	V	8	809
(7530)	1995 08 30.22986	23 30 37.28	−06 18 03.6	15.3	V	8	809
(7551)	1995 08 19.20035	23 36 56.84	−00 55 39.8	17.9	V	8	809
(7551)	1995 08 20.22326	23 36 26.57	−01 00 16.4	17.7	V	8	809
(7551)	1995 08 22.33264	23 35 21.42	−01 10 04.4	17.9	V	8	809
(7551)	1995 09 17.17569	23 19 03.49	−03 34 06.8	17.0	V	8	809
(7551)	1995 09 18.14306	23 18 24.75	−03 39 49.6	17.3	V	8	809
(7551)	1995 09 20.25556	23 17 00.60	−03 52 14.1	17.4	V	8	809
(7590)	1995 08 31.29444	00 04 31.25	−07 27 54.6	16.7	V	8	809
(7590)	1995 09 01.22361	00 03 51.89	−07 35 51.8	16.7	V	8	809
(7607)	1995 08 24.33646	23 49 46.76	−00 07 51.6	16.4	V	8	809
(7607)	1995 08 25.23229	23 49 18.71	−00 12 32.4	16.3	V	8	809
(7607)	1995 08 25.30035	23 49 16.39	−00 12 54.0	16.5	V	8	809
(7607)	1995 08 26.22674	23 48 46.38	−00 17 52.1	16.6	V	8	809
(7607)	1995 09 01.29514	23 45 06.34	−00 53 09.1	16.5	V	8	809
(7607)	1995 09 18.23611	23 32 49.14	−02 47 22.2	15.6	V	8	809
(7607)	1995 09 19.14167	23 32 08.29	−02 53 40.5	15.7	V	8	809
(7607)	1995 09 19.20694	23 32 05.14	−02 54 08.2	15.8	V	8	809
(7607)	1995 09 20.18264	23 31 21.16	−03 00 53.9	15.9	V	8	809
(7607)	1995 09 22.24861	23 29 48.66	−03 15 08.1	15.2	V	8	809

(7607)	1995 09 23.16528	23 29 08.26	−03 21 22.2	15.7	V	8	809
(7607)	1995 09 24.15451	23 28 24.91	−03 28 03.8	16.0	V	8	809
(7647)	1997 04 07.28403	14 50 42.00	−11 45 15.1	18.4		4	809
(7647)	1997 04 07.29722	14 50 41.41	−11 45 12.5			4	809
(7647)	1997 04 07.31042	14 50 40.97	−11 45 10.0			4	809
(7647)	1997 04 08.27014	14 50 05.67	−11 42 07.6			4	809
(7647)	1997 04 08.28333	14 50 05.14	−11 42 05.0			4	809
(7647)	1997 04 08.29653	14 50 04.64	−11 42 02.5			4	809
(7690)	1997 04 07.28403	14 56 54.60	−13 02 03.9	18.4		4	809
(7690)	1997 04 07.29722	14 56 54.08	−13 02 01.9			4	809
(7690)	1997 04 07.31042	14 56 53.63	−13 02 01.1			4	809
(7690)	1997 04 08.27014	14 56 18.85	−12 59 44.7			4	809
(7690)	1997 04 08.28333	14 56 18.31	−12 59 43.8			4	809
(7690)	1997 04 08.29653	14 56 17.86	−12 59 41.4			4	809

816 Rand Observatory

G. R. Viscome, 100 Sentinel Road, Lake Placid, NY 12946, U.S.A. [GRViscome@compuserve.com]

0.37-m $f/6$ reflector + CCD

GSC, USNO-SA1.0

1987 SV_{12}	1997 05 28.11586	15 21 45.71	−17 19 46.9	18.7	R	816
1987 SV_{12}	1997 05 28.12154	15 21 45.44	−17 19 46.0	18.7	R	816
1987 SV_{12}	1997 05 28.12630	15 21 45.21	−17 19 45.4	18.6	R	816
1987 SV_{12}	1997 06 04.15919	15 16 29.29	−17 04 31.0	18.0	R	816
1987 SV_{12}	1997 06 04.16308	15 16 29.15	−17 04 30.9	18.0	R	816
1987 SV_{12}	1997 06 04.17142	15 16 28.80	−17 04 29.6	18.0	R	816
1987 SV_{12}	1997 06 05.15090	15 15 47.54	−17 02 31.5	17.9	R	816
1987 SV_{12}	1997 06 05.15464	15 15 47.38	−17 02 31.3	17.8	R	816
1987 SV_{12}	1997 06 05.16221	15 15 47.06	−17 02 30.0	17.8	R	816
1988 XB	1997 05 28.18122	16 24 39.86	−20 01 41.9	16.2	R	816
1988 XB	1997 05 28.18505	16 24 39.25	−20 01 42.1	16.3	R	816
1988 XB	1997 06 04.20369	16 03 30.31	−20 10 02.7	16.9	R	816
1988 XB	1997 06 04.20679	16 03 29.60	−20 10 02.9	16.9	R	816
1988 XB	1997 06 04.21331	16 03 28.13	−20 10 03.0	16.9	R	816
1988 XB	1997 06 04.21646	16 03 27.42	−20 10 03.2	16.9	R	816
1988 XB	1997 06 05.12689	16 00 08.17	−20 10 47.9	17.2	R	816
1988 XB	1997 06 05.13248	16 00 06.85	−20 10 48.1	17.2	R	816
1988 XB	1997 06 05.13407	16 00 06.48	−20 10 48.1	17.3	R	816
1988 XB	1997 06 05.13530	16 00 06.20	−20 10 48.3	17.1	R	816
1990 TE_8	1997 05 28.16074	15 11 28.11	−17 36 56.9	18.2	R	816
1990 TE_8	1997 05 28.16388	15 11 27.94	−17 36 56.5	18.3	R	816
1990 TE_8	1997 05 28.17021	15 11 27.61	−17 36 55.8	18.3	R	816
1990 TE_8	1997 05 28.17410	15 11 27.42	−17 36 55.3	18.3	R	816
1991 RR_{12}	1997 04 05.27867	13 10 11.74	−06 49 30.0	19.3	R	816
1991 RR_{12}	1997 04 05.28192	13 10 11.55	−06 49 28.6	19.2	R	816
1991 RR_{12}	1997 04 05.28672	13 10 11.32	−06 49 27.8	19.4	R	816
1993 HM_1	1997 05 28.08322	11 18 09.27	+21 21 31.5	17.5	R	816
1993 HM_1	1997 05 28.09123	11 18 09.71	+21 21 28.0	17.7	R	816
1993 HM_1	1997 05 28.09721	11 18 10.05	+21 21 25.1	17.6	R	816
1993 HM_1	1997 06 04.09587	11 25 02.40	+20 21 13.5	18.6	R	816
1993 HM_1	1997 06 04.09925	11 25 02.64	+20 21 11.4	18.0	R	816
1993 HM_1	1997 06 04.10916	11 25 03.17	+20 21 05.6	17.6	R	816
1993 HM_1	1997 06 05.10743	11 26 05.94	+20 12 03.4	17.7	R	816
1993 HM_1	1997 06 05.11534	11 26 06.47	+20 11 59.4	18.4	R	816
1993 HM_1	1997 06 05.11907	11 26 06.70	+20 11 56.5	18.1	R	816
1997 EG_{27}	1997 04 03.12451	11 57 47.29	+01 40 50.5	18.3	R	816
1997 EG_{27}	1997 04 03.12882	11 57 47.09	+01 40 52.6	18.4	R	816
1997 EG_{27}	1997 04 03.13615	11 57 46.73	+01 40 56.7	18.3	R	816
1997 EG_{27}	1997 04 03.13943	11 57 46.57	+01 40 58.3	18.2	R	816
1997 EG_{27}	1997 04 05.17211	11 56 12.96	+01 58 21.8	18.1	R	816
1997 EG_{27}	1997 04 05.17525	11 56 12.81	+01 58 23.3	18.1	R	816
1997 EG_{27}	1997 04 05.18252	11 56 12.48	+01 58 27.0	18.1	R	816
1997 EG_{27}	1997 04 05.18751	11 56 12.24	+01 58 29.5	18.0	R	816
1997 LC_4	* 1997 06 09.16207	16 45 29.16	−19 45 15.5	17.9	R	816
1997 LC_4	1997 06 09.17020	16 45 28.35	−19 45 22.1			816
1997 LC_4	1997 06 09.17554	16 45 27.81	−19 45 26.4			816
1997 LC_4	1997 06 11.11138	16 42 23.80	−20 10 49.0	18.2	R	b 816
1997 LC_4	1997 06 11.11969	16 42 22.93	−20 10 56.0	18.3	R	b 816
1997 LC_4	1997 06 11.12510	16 42 22.43	−20 10 59.2	18.3	R	b 816
1997 LC_4	1997 06 11.13000	16 42 21.87	−20 11 03.8	18.4	R	b 816
1997 LC_4	1997 06 15.19529	16 36 03.97	−21 03 31.1	18.2	R	816
1997 LC_4	1997 06 15.21525	16 36 02.04	−21 03 46.9	17.8	R	816
1997 LC_4	1997 06 15.21797	16 36 01.79	−21 03 49.6	17.8	R	816
1997 LX_4	1997 06 11.21194	16 42 09.70	−19 54 33.9	18.7	R	816
1997 LX_4	1997 06 11.22022	16 42 09.27	−19 54 32.1	18.7	R	816
(5509)	1997 04 05.27867	13 10 42.09	−06 52 48.2	17.5	R	816
(5509)	1997 04 05.28192	13 10 41.90	−06 52 46.8	17.5	R	816
(5509)	1997 04 05.28672	13 10 41.61	−06 52 44.7	17.5	R	816
(5509)	1997 04 05.29172	13 10 41.31	−06 52 42.4	17.5	R	816

824 Lake Clear

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

0.41-m $f/5.0$ reflector + CCD

GSC

1986 GZ	1997 06 09.13962	14 53 10.51	+07 39 25.0	19.0	R	824
1986 GZ	1997 06 09.14366	14 53 10.35	+07 39 26.6	19.1	R	824
1986 GZ	1997 06 09.14810	14 53 10.18	+07 39 27.9	19.0	R	824
1987 BZ_1	1997 06 09.22704	16 41 32.71	−02 30 22.9	18.5	R	824
1987 BZ_1	1997 06 09.23102	16 41 32.49	−02 30 23.2	18.7	R	824
1987 BZ_1	1997 06 09.23490	16 41 32.28	−02 30 23.3	18.7	R	824
1987 BZ_1	1997 06 11.23763	16 39 48.86	−02 32 09.3	19.0	R	824
1987 BZ_1	1997 06 11.24185	16 39 48.62	−02 32 10.2	18.9	R	824
1987 BZ_1	1997 06 11.24616	16 39 48.40	−02 32 10.1	18.8	R	824
1987 QN	1997 06 09.28287	16 54 40.38	+01 32 04.9	18.3	R	824
1987 QN	1997 06 09.28687	16 54 40.26	+01 32 04.8	18.3	R	824
1987 QN	1997 06 09.29054	16 54 40.16	+01 32 04.8	18.3	R	824
1987 QN	1997 06 11.25443	16 53 41.87	+01 31 41.9	18.2	R	824
1987 QN	1997 06 11.25882	16 53 41.76	+01 31 41.9	18.2	R	824
1987 QN	1997 06 11.26315	16 53 41.59	+01 31 41.8	18.3	R	824
1988 SL_3	1997 06 09.20986	16 38 13.78	+03 27 05.7	17.8	R	824
1988 SL_3	1997 06 09.21419	16 38 13.63	+03 27 04.9	17.8	R	824
1988 SL_3	1997 06 09.21824	16 38 13.51	+03 27 04.9	17.9	R	824
1988 SL_3	1997 06 11.21754	16 37 10.72	+03 24 14.5	18.3	R	824
1988 SL_3	1997 06 11.22235	16 37 10.60	+03 24 13.9	18.2	R	824
1988 SL_3	1997 06 11.22662	16 37 10.40	+03 24 13.4	18.3	R	824

1990 TE_8		1997 06 04.21627	15 06 07.47	−17 24 07.7	17.7	R	824
1990 TE_8		1997 06 04.22015	15 06 07.30	−17 24 07.1	17.7	R	824
1990 TE_8		1997 06 04.22525	15 06 07.08	−17 24 06.5	17.7	R	824
1993 HM_1		1997 05 28.07178	11 18 08.66	+21 21 36.4	18.2	R	824
1993 HM_1		1997 05 28.07777	11 18 08.98	+21 21 33.3	18.0	R	824
1993 HM_1		1997 05 28.08446	11 18 09.33	+21 21 30.2	18.2	R	824
1993 HM_1		1997 06 06.08270	11 27 08.21	+20 03 06.3	18.0	R	824
1993 HM_1		1997 06 06.08701	11 27 08.46	+20 03 04.3	18.1	R	824
1993 HM_1		1997 06 06.09734	11 27 09.13	+20 02 58.1	18.0	R	824
1993 WA		1997 06 09.25814	16 52 54.76	+00 17 09.3	18.3	R	824
1993 WA		1997 06 09.26229	16 52 54.57	+00 17 10.3	18.3	R	824
1993 WA		1997 06 09.26600	16 52 54.40	+00 17 11.1	18.3	R	824
1993 WA		1997 06 11.19443	16 51 27.60	+00 24 50.4	18.5	R	824
1993 WA		1997 06 11.19867	16 51 27.38	+00 24 51.6	18.6	R	824
1993 WA		1997 06 11.20265	16 51 27.18	+00 24 52.4	18.3	R	824
1994 WT_2		1997 06 04.18212	13 59 01.16	−12 15 10.2	18.6	R	824
1994 WT_2		1997 06 04.18617	13 59 01.06	−12 15 09.9	18.4	R	824
1994 WT_2		1997 06 04.19102	13 59 00.95	−12 15 09.7	18.4	R	824
1995 YC_1		1997 05 28.10400	12 19 37.17	+20 06 12.5	18.5	R	824
1995 YC_1		1997 05 28.10845	12 19 37.15	+20 06 10.2	18.2	R	824
1995 YC_1		1997 05 28.11713	12 19 37.20	+20 06 06.9	18.4	R	824
1995 YC_1		1997 06 04.11360	12 20 51.73	+19 15 12.6	18.4	R	824
1995 YC_1		1997 06 04.11797	12 20 51.77	+19 15 10.8	18.3	R	824
1995 YC_1		1997 06 04.12674	12 20 51.92	+19 15 06.5	18.4	R	824
1995 YC_1		1997 06 06.10845	12 21 23.30	+18 59 42.6	18.4	R	824
1995 YC_1		1997 06 06.11269	12 21 23.37	+18 59 40.7	18.8	R	824
1995 YC_1		1997 06 06.11792	12 21 23.47	+18 59 38.6	18.7	R	824
1996 AS_2		1997 06 04.18212	13 59 22.45	−12 23 09.8	19.4	R	824
1996 AS_2		1997 06 04.18617	13 59 22.32	−12 23 09.8	19.8	R	824
1996 AS_2		1997 06 04.19102	13 59 22.28	−12 23 09.6	19.8	R	824
1996 CR_7		1997 06 09.17537	16 37 26.08	+02 28 52.7	17.2	R	824
1996 CR_7		1997 06 09.18142	16 37 25.75	+02 28 52.4	17.2	R	824
1996 CR_7		1997 06 09.18522	16 37 25.53	+02 28 52.1	17.1	R	824
1996 CR_7		1997 06 11.15657	16 35 42.24	+02 26 01.6	17.0	R	824
1996 CR_7		1997 06 11.16072	16 35 41.99	+02 26 01.2	16.9	R	824
1996 CR_7		1997 06 11.16513	16 35 41.77	+02 26 00.7	16.9	R	824
1996 CR_7		1997 06 15.08697	16 32 22.36	+02 17 30.1	18.0	R	824
1996 CR_7		1997 06 15.09231	16 32 22.08	+02 17 29.0	18.1	R	824
1996 CR_7		1997 06 15.09709	16 32 21.84	+02 17 28.2	17.8	R	824
1996 GE_{19}		1997 06 11.15657	16 35 07.92	+02 30 07.8	17.3	R	824
1996 GE_{19}		1997 06 11.16072	16 35 07.76	+02 30 08.6	17.5	R	824
1996 GE_{19}		1997 06 11.16513	16 35 07.63	+02 30 09.7	17.5	R	824
1996 GE_{19}		1997 06 15.21052	16 33 06.05	+02 40 46.6	16.6	R	824
1996 GE_{19}		1997 06 15.21551	16 33 05.95	+02 40 47.4	16.6	R	824
1996 GE_{19}		1997 06 15.22352	16 33 05.78	+02 40 48.2	16.7	R	824
1997 EQ_{11}		1997 06 09.15949	15 05 08.61	+14 16 46.5	18.6	R	824
1997 EQ_{11}		1997 06 09.16347	15 05 08.53	+14 16 46.6	18.6	R	824
1997 EQ_{11}		1997 06 09.16749	15 05 08.41	+14 16 46.2	18.6	R	824
1997 LG_4	*	1997 06 09.17537	16 36 33.42	+02 20 59.1	18.7	R	824
1997 LG_4		1997 06 09.18142	16 36 33.09	+02 20 59.0	18.5	R	824
1997 LG_4		1997 06 09.18522	16 36 32.93	+02 20 58.9	18.7	R	824
1997 LG_4		1997 06 11.13509	16 34 58.57	+02 19 46.9	19.7	R	824
1997 LG_4		1997 06 11.13910	16 34 58.35	+02 19 46.7	19.8	R	824
1997 LG_4		1997 06 11.14297	16 34 58.20	+02 19 46.8	19.7	R	824
1997 LG_4		1997 06 15.08697	16 31 52.57	+02 14 50.2	18.7	R	824
1997 LG_4		1997 06 15.09231	16 31 52.30	+02 14 49.1	19.0	R	824
1997 LG_4		1997 06 15.09709	16 31 52.15	+02 14 49.0	19.0	R	824
1997 LH_4	*	1997 06 09.25814	16 53 08.58	+00 10 55.1	18.4	R	824
1997 LH_4		1997 06 09.26229	16 53 08.35	+00 10 55.7	18.2	R	824
1997 LH_4		1997 06 09.26600	16 53 08.18	+00 10 56.4	18.2	R	824
1997 LH_4		1997 06 11.17506	16 51 30.36	+00 15 16.9	18.2	R	824
1997 LH_4		1997 06 11.17928	16 51 30.16	+00 15 17.5	18.3	R	824
1997 LH_4		1997 06 11.18425	16 51 29.90	+00 15 17.9	18.3	R	824
1997 LH_4		1997 06 15.23633	16 48 07.13	+00 21 42.1	17.8	R	824
1997 LH_4		1997 06 15.24012	16 48 06.96	+00 21 42.2	18.0	R	824
1997 LH_4		1997 06 15.24824	16 48 06.53	+00 21 42.6	18.0	R	824
(938)		1997 04 05.13715	12 39 23.30	−00 28 17.3	16.9	R	824
(938)		1997 04 05.14126	12 39 23.12	−00 28 16.1	16.8	R	824
(938)		1997 04 05.14647	12 39 22.89	−00 28 14.7	16.9	R	824
(1072)		1997 06 06.16049	13 32 18.05	−09 34 53.6	17.6	R	824
(1072)		1997 06 06.16460	13 32 17.99	−09 34 53.3	17.7	R	824
(1072)		1997 06 06.16926	13 32 17.92	−09 34 53.4	17.6	R	824
(1218)		1997 04 05.18926	13 53 55.32	−07 35 41.7	16.2	R	824
(1218)		1997 04 05.19369	13 53 55.06	−07 35 40.5	16.2	R	824
(1218)		1997 04 05.19777	13 53 54.82	−07 35 39.5	16.1	R	824
(2155)		1997 06 06.14353	13 23 48.06	−08 44 55.3	17.7	R	824
(2155)		1997 06 06.14736	13 23 47.99	−08 44 55.1	17.7	R	824
(2155)		1997 06 06.15133	13 23 47.99	−08 44 55.0	17.7	R	824
(3202)		1997 06 06.12600	12 56 50.29	−05 25 17.0	17.9	R	824
(3202)		1997 06 06.13113	12 56 50.32	−05 25 16.3	17.9	R	824
(3202)		1997 06 06.13685	12 56 50.30	−05 25 15.5	18.0	R	824
(3446)		1997 06 04.13632	12 35 32.06	−03 26 04.9	17.8	R	824
(3446)		1997 06 04.14029	12 35 32.13	−03 26 06.4	17.8	R	824
(3446)		1997 06 04.14575	12 35 32.23	−03 26 08.6	17.8	R	824
(4092)		1997 04 05.11816	11 05 34.60	−00 05 32.1	18.7	R	824
(4092)		1997 04 05.12279	11 05 34.41	−00 05 30.8	18.9	R	824
(4092)		1997 04 05.12676	11 05 34.27	−00 05 29.7	18.7	R	824
(4191)		1997 06 09.08146	14 03 53.19	−12 49 57.0	17.6	R	824
(4191)		1997 06 09.08944	14 03 53.17	−12 49 54.0	17.3	R	824
(4191)		1997 06 09.09506	14 03 53.14	−12 49 51.7	17.1	R	824
(5125)		1997 05 28.14608	12 10 55.62	−01 18 46.1	18.3	R	824
(5125)		1997 05 28.15007	12 10 55.70	−01 18 47.1	18.4	R	824
(5125)		1997 05 28.15392	12 10 55.74	−01 18 47.9	18.4	R	824
(5694)		1997 06 09.10179	14 20 46.62	−12 10 25.1	17.7	R	824
(5694)		1997 06 09.10584	14 20 46.54	−12 10 23.6	17.7	R	824
(5694)		1997 06 09.11134	14 20 46.44	−12 10 21.6	17.6	R	824
(6096)		1997 06 09.08146	14 02 37.20	−12 40 34.1	18.1	R	824
(6096)		1997 06 09.08944	14 02 37.20	−12 40 32.2	18.0	R	824
(6096)		1997 06 09.09506	14 02 37.18	−12 40 30.5	18.3	R	824
(7639)		1997 05 28.18316	14 12 41.74	−12 24 14.1	18.5	R	824
(7639)		1997 05 28.18727	14 12 41.63	−12 24 13.7	18.5	R	824
(7639)		1997 05 28.19128	14 12 41.52	−12 24 12.8	18.7	R	824

834 Buenos Aires-AAAA

G. D. Rodriguez, Seccion Sistema Solar, Asociacion Argentina Amigos de la Astronomia, Av. Patricias Argentinas 550, AR-1405 Buenos Aires, Argentina [gustavor@aaaa.org.ar]

Observers R. Mackintosh

0.25-m f/6.8 reflector + CCD

(72)	1997 02 25.99976	08 23 35.17	+11 14 48.7			834
(72)	1997 03 01.10917	08 21 42.61	+11 30 02.5			834
(72)	1997 03 01.15599	08 21 40.96	+11 30 15.8			834
(72)	1997 03 14.00563	08 16 55.75	+12 25 49.0			834
(386)	1997 03 01.09896	08 09 15.96	+04 26 21.7			834
(386)	1997 03 01.14185	08 09 15.03	+04 26 46.7			834
(386)	1997 03 07.07559	08 07 37.74	+05 23 39.5			834
(386)	1997 03 14.01237	08 06 47.3	+06 26 33.6			834
(386)	1997 03 14.06954	08 06 47.09	+06 27 03.3			834
(386)	1997 03 26.06551	08 08 00.68	+08 03 41.2			834
(386)	1997 03 26.1172	08 08 01.39	+08 04 03.3			834
(737)	1997 02 28.0258	06 59 35.24	+08 22 32.6			834
(737)	1997 03 07.0614	06 59 11.54	+08 59 24.5			834

861 Barão Geraldo

P. R. Holvorcem, Departamento de Matematica/IMECC, Universidade Estadual de Campiñas, Campiñas, SP, BR-13081-970, Brazil [holvorce@ime.unicamp.br]

0.20-m f/6.3 Schmidt-Cassegrain + CCD

GSC

1988 XB	1997 04 30.13321	16 55 04.21	−19 31 44.5	19.2	R	861
1988 XB	1997 04 30.15329	16 55 03.96	−19 31 47.1	19.4	R	861
1988 XB	1997 05 04.16979	16 54 23.40	−19 34 52.2		F	861
1988 XB	1997 05 04.18319	16 54 23.25	−19 34 55.2		F	861
1988 XB	1997 05 18.27637	16 43 20.26	−19 48 24.3	18.4	R	861
1988 XB	1997 05 18.28285	16 43 19.71	−19 48 24.4	18.3	R	861
1988 XB	1997 05 18.28942	16 43 19.11	−19 48 24.6	18.3	R	861
1988 XB	1997 06 01.07227	16 13 54.35	−20 06 12.9	16.9	R	861
1988 XB	1997 06 01.07765	16 13 53.28	−20 06 12.9	16.8	R	861
1988 XB	1997 06 01.09978	16 13 48.87	−20 06 14.4	16.7	R	861
1988 XB	1997 06 13.21039	15 23 12.32	−20 07 28.1	16.4	R	861
1988 XB	1997 06 13.22256	15 23 08.26	−20 07 25.8	16.4	R	861
1994 LX	1997 06 13.33036	23 19 24.82	−19 14 24.1	17.3	R	861
1994 LX	1997 06 13.33468	23 19 25.39	−19 14 28.3	17.6	R	861
1997 CZ_5	1997 04 12.99808	07 05 28.11	+01 49 29.0	16.8	R	861
1997 CZ_5	1997 04 13.00806	07 05 29.61	+01 49 23.8	16.9	R	861
1997 CZ_5	1997 04 13.98487	07 07 48.55	+01 39 37.2	16.7	R	861
1997 CZ_5	1997 04 14.00398	07 07 51.18	+01 39 24.8	16.5	R	861
1997 GH_3	1997 05 31.95001	12 44 02.43	+00 33 28.9	18.1	R	861
1997 GH_3	1997 05 31.96022	12 44 04.32	+00 33 18.1	18.0	R	861
1997 GH_3	1997 06 01.00888	12 44 13.20	+00 32 19.8	18.5	R	861
(233)	1997 05 11.29263	23 11 26.68	+01 52 45.9	13.6	R	861
(233)	1997 05 11.29868	23 11 27.22	+01 52 49.8	13.6	R	861
(233)	1997 05 11.30215	23 11 27.52	+01 52 52.1	13.7	R	861
(1036)	1997 05 11.11770	12 10 23.37	−12 52 15.8	15.5	R	861
(1036)	1997 05 11.12440	12 10 23.21	−12 52 12.6	15.8	R	861
(1036)	1997 05 11.13873	12 10 22.83	−12 52 04.6	15.8	R	861
(1036)	1997 05 18.11211	12 08 00.61	−11 52 36.4	15.9	R	861
(1036)	1997 05 18.12206	12 08 00.40	−11 52 30.6	15.2	R	861
(1980)	1997 05 11.33068	19 03 43.59	−14 07 59.7	15.7	R	861
(1980)	1997 05 11.33524	19 03 43.68	−14 07 51.4	15.6	R	861
(2915)	1997 05 04.35178	18 26 57.46	−42 04 50.3	17.1	R	861
(2915)	1997 05 04.35890	18 26 57.51	−42 04 53.6	17.0	R	861
(2915)	1997 05 04.36461	18 26 57.52	−42 04 55.8	16.8	R	861
(3015)	1997 04 28.21950	15 24 30.64	−23 44 38.5	16.8	R	861
(3015)	1997 04 28.29899	15 24 26.64	−23 44 44.2	16.5	R	861
(3015)	1997 04 28.33397	15 24 24.98	−23 44 46.8	17.7	R	861
(3015)	1997 05 04.22804	15 19 29.45	−23 51 35.4	17.2	R	861
(3015)	1997 05 04.24644	15 19 28.53	−23 51 36.8	16.7	R	861
(3671)	1997 05 11.20433	13 45 39.10	+27 06 42.2	15.3	R	861
(3671)	1997 05 11.21060	13 45 38.33	+27 06 37.9	14.8	R	861
(3671)	1997 05 18.16269	13 31 43.87	+26 18 51.4	15.4	R	861
(3671)	1997 05 18.17219	13 31 42.66	+26 18 44.3	15.4	R	861
(3671)	1997 05 18.18071	13 31 41.48	+26 18 37.6	15.9	R	861
(4036)	1997 05 11.23602	14 57 30.90	−09 42 19.5	17.2	R	861
(4036)	1997 05 11.24492	14 57 30.46	−09 42 17.5	16.9	R	861
(4036)	1997 05 18.13723	14 51 56.12	−09 17 36.3	18.3	R	861
(4036)	1997 05 18.19405	14 51 53.45	−09 17 25.0	18.1	R	861
(4036)	1997 05 18.21012	14 51 52.59	−09 17 22.4	17.7	R	861
(4341)	1997 04 28.26528	18 19 24.16	+10 28 46.3	15.5	R	861
(4341)	1997 04 28.27258	18 19 22.32	+10 28 39.9	15.6	R	861
(4341)	1997 04 28.27759	18 19 20.97	+10 28 36.0	15.3	R	861
(4341)	1997 05 04.29006	17 53 55.39	+08 49 01.5	15.2	R	861
(4341)	1997 05 04.29485	17 53 54.16	+08 48 56.2	15.3	R	861
(7467)	1997 06 01.18881	19 35 00.00	−32 49 59.5	18.2	R	861
(7467)	1997 06 01.21828	19 34 59.02	−32 50 29.7	17.6	R	861

867 Saji Observatory

M. Yamanishi, 1071-1 Takayama, Saji, Yazu-Gun, Tottori-Ken, 689-13 Japan [KYI03040@niftyserve.or.jp]

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

1.03-m f/4.2 reflector + CCD

GSC

1997 LY_4	1997 06 13.73403	19 40 40.34	−11 56 12.2	16.9	V	867
1997 LY_4	1997 06 13.73715	19 40 40.41	−11 56 07.1			867
1997 LY_4	1997 06 13.73970	19 40 40.47	−11 56 03.0			867

886 Susono

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

0.25-m f/6.3 reflector + CCD

GSC

1977 QY_3	1997 05 28.55403	17 05 41.56	−17 20 24.5	16.5	V	886
1977 QY_3	1997 05 28.56222	17 05 41.10	−17 20 26.1			886
1977 QY_3	1997 05 30.58006	17 03 44.83	−17 26 01.5			886
1977 QY_3	1997 05 30.58830	17 03 44.35	−17 26 02.9			886
1981 TW_1	1997 05 30.53337	15 50 47.82	−18 49 03.7	17.5	V	886
1981 TW_1	1997 05 30.54135	15 50 47.22	−18 48 59.8			886
1981 TW_1	1997 06 05.54011	15 44 37.86	−18 03 22.7			886
1981 TW_1	1997 06 05.54835	15 44 37.35	−18 03 18.6			886
1988 JP	1997 06 05.55648	17 10 25.71	−20 04 17.7	16.0	V	886

1988 JP	1997 06 05.56490	17 10 25.00	−20 04 25.6		886
1988 JP	1997 06 07.55044	17 07 30.20	−20 36 09.7		886
1988 JP	1997 06 07.55857	17 07 29.40	−20 36 17.8		886
1988 XB	1997 05 25.52057	16 30 49.54	−19 58 00.6	17.0 V	886
1988 XB	1997 05 25.52971	16 30 48.30	−19 58 03.5		886
1988 XB	1997 05 26.60047	16 28 25.71	−19 59 30.5		886
1988 XB	1997 05 26.60979	16 28 24.29	−19 59 31.0		886
1988 XB	1997 05 30.56382	16 18 20.44	−20 04 48.2	16.5 V	886
1988 XB	1997 05 30.57197	16 18 18.99	−20 04 48.8		886
1990 MR	1997 05 28.62028	16 52 25.75	−22 00 18.7	16.5 V	886
1990 MR	1997 05 28.62860	16 52 25.27	−22 00 14.6		886
1990 MR	1997 05 30.59236	16 50 48.46	−21 43 36.4		886
1990 MR	1997 05 30.60108	16 50 48.01	−21 43 31.4		886
1997 LW_5	* 1997 06 07.58751	17 00 34.38	−19 43 32.5	17.5 V	886
1997 LW_5	1997 06 07.59572	17 00 33.81	−19 43 36.0		886
1997 LW_5	1997 06 13.58861	16 53 49.65	−20 23 54.4		886
1997 LW_5	1997 06 13.59680	16 53 49.10	−20 23 57.8		886

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

1988 XB	1997 05 28.59007	16 23 38.17	−20 02 13.3	17.5 R	897
1988 XB	1997 05 28.59504	16 23 37.42	−20 02 13.8		897
1988 XB	1997 05 28.60046	16 23 36.50	−20 02 13.5		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

1997 LY_4	1997 06 12.66420	19 40 05.41	−12 24 57.0	16.9 V	900
1997 LY_4	1997 06 12.67818	19 40 05.84	−12 24 34.5		900
(4673)	1997 06 06.70600	20 00 35.51	−20 01 51.8	16.7 V	900
(4673)	1997 06 06.73399	20 00 34.94	−20 02 01.9	16.9 V	900

905 Nachi-Katsuura Observatory
T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken 424, Japan
Observer Y. Shimizu
Measurer T. Urata
0.40-m f/3.3 Baker-Schmidt
GSC

1994 UB_1	1997 05 31.56296	15 49 02.41	−27 36 29.8	17.5	905
1994 UB_1	1997 05 31.56997	15 49 01.98	−27 36 31.3		905
1995 WZ_3	1997 05 31.60093	17 31 59.64	−27 01 23.7	16	905
1995 WZ_3	1997 05 31.60793	17 31 59.17	−27 01 25.2		905
1995 WZ_3	1997 05 31.61493	17 31 58.70	−27 01 27.2		905
1996 AL_2	1997 05 27.56377	15 03 19.26	+03 01 17.4	17	905
1996 AL_2	1997 05 27.57778	15 03 18.59	+03 01 12.9		905

910 Caussols-ODAS
A. Maury, Observatoire de la Côte d'Azur, B.P. 229, F-06304 Nice, France [maury@obs-azur.fr]
G. Hahn, DLR Institute of Planetary Exploration, Rudower Chaussee 5, D-12489 Berlin, Germany [Gerhard.Hahn@DLR.de]
Observers A. Maury, D. Albanese, G. Hahn, M. Hoffmann
Measurers A. Maury, G. Hahn
0.9-m Schmidt + CCD
GSC

1988 JD	1997 05 27.88615	14 36 11.39	−09 58 09.7	18.7 V	910
1988 JD	1997 05 27.91181	14 36 10.36	−09 58 07.5	18.8 V	910
1988 JD	1997 05 27.94350	14 36 09.12	−09 58 04.5	19.5 V	910
1988 JD	1997 05 29.88551	14 34 56.15	−09 55 15.7	18.6 V	910
1988 JD	1997 05 29.90968	14 34 55.23	−09 55 13.8	18.6 V	910
1988 JD	1997 05 29.93345	14 34 54.33	−09 55 11.8	18.7 V	910
1997 FH_3	1997 05 02.86807	12 30 16.91	−00 11 09.2	20.1 V	910
1997 FH_3	1997 05 02.89144	12 30 16.35	−00 11 02.1	19.7 V	910
1997 FH_3	1997 05 02.91551	12 30 15.70	−00 10 54.4	20.2 V	910
1997 GW_6	1997 05 26.90052	14 14 21.98	−10 17 21.3	18.9 V	910
1997 GW_6	1997 05 26.91362	14 14 21.52	−10 17 15.4	19.0 V	910
1997 GW_6	1997 05 26.92641	14 14 21.10	−10 17 09.8	18.9 V	910
1997 GH_7	1997 05 26.89835	14 11 14.84	−09 58 59.3	19.8 V	910
1997 GH_7	1997 05 26.91145	14 11 14.44	−09 58 58.0	19.7 V	910
1997 GH_7	1997 05 26.92424	14 11 13.96	−09 58 57.8	20.3 V	910
1997 GU_7	1997 05 26.89585	14 07 38.37	−10 01 09.0	19.4 V	910
1997 GU_7	1997 05 26.90895	14 07 37.77	−10 01 08.2	19.5 V	910
1997 GU_7	1997 05 26.92174	14 07 37.21	−10 01 07.3	19.6 V	910
1997 GK_{21}	1997 05 26.90016	14 13 50.81	−10 10 29.3	17.9 V	910
1997 GK_{21}	1997 05 26.91325	14 13 50.43	−10 10 26.6	17.9 V	910
1997 GK_{21}	1997 05 26.92605	14 13 50.02	−10 10 24.3	17.6 V	910
1997 GP_{21}	1997 05 26.90040	14 14 11.70	−10 17 01.0	19.1 V	910
1997 GP_{21}	1997 05 26.91350	14 14 11.33	−10 16 55.2	18.8 V	910
1997 GP_{21}	1997 05 26.92629	14 14 10.98	−10 16 49.8	19.0 V	910
1997 GV_{21}	1997 05 26.89667	14 08 48.36	−10 15 05.0	18.3 V	910
1997 GV_{21}	1997 05 26.90976	14 08 47.81	−10 15 05.6	18.3 V	910
1997 GV_{21}	1997 05 26.92255	14 08 47.29	−10 15 06.0	18.2 V	910
1997 GG_{22}	1997 05 27.87284	14 16 58.06	−10 10 40.2	20.2 V	910
1997 GG_{22}	1997 05 27.89850	14 16 57.30	−10 10 31.5	20.1 V	910
1997 GG_{22}	1997 05 27.93019	14 16 56.36	−10 10 20.9	20.2 V	910
1997 GG_{22}	1997 05 29.87248	14 16 07.01	−09 59 49.3	18.4 V	910
1997 GG_{22}	1997 05 29.89665	14 16 06.36	−09 59 42.1	18.4 V	910
1997 GG_{22}	1997 05 29.92042	14 16 05.75	−09 59 34.5	18.5 V	910
1997 GM_{24}	1997 05 26.90069	14 14 37.23	−09 57 44.0	19.3 V	910
1997 GM_{24}	1997 05 26.91378	14 14 36.63	−09 57 43.2	19.3 V	910
1997 GM_{24}	1997 05 26.92657	14 14 36.10	−09 57 42.6	19.1 V	910
1997 GT_{32}	1997 02 10.13542	13 32 09.74	−10 10 25.9	20.0 V	910
1997 GT_{32}	1997 02 10.15887	13 32 09.85	−10 10 27.3	19.8 V	910
1997 GT_{32}	1997 02 10.18513	13 32 09.98	−10 10 29.1	19.6 V	910
1997 GB_{36}	1997 05 27.87555	14 20 52.49	−10 14 22.8	20.3 V	910
1997 GB_{36}	1997 05 27.90121	14 20 51.41	−10 14 24.4	20.1 V	910
1997 GB_{36}	1997 05 27.93289	14 20 50.07	−10 14 26.8	20.2 V	910
1997 GB_{36}	1997 05 29.87488	14 19 35.06	−10 16 49.1	20.3 V	910
1997 GB_{36}	1997 05 29.89905	14 19 34.11	−10 16 51.2	20.0 V	910
1997 GB_{36}	1997 05 29.92282	14 19 33.17	−10 16 52.8	20.5 V	910
1997 GR_{36}	1997 05 27.87623	14 21 51.45	−10 09 33.7	20.0 V	910

1997 GR_{36}	1997 05 27.90189	14 21 50.42	−10 09 32.0	20.2 V	910
1997 GR_{36}	1997 05 27.93357	14 21 49.14	−10 09 30.0	20.0 V	910
1997 GR_{36}	1997 05 29.87558	14 20 35.93	−10 07 40.8	20.2 V	910
1997 GR_{36}	1997 05 29.89975	14 20 35.01	−10 07 40.0	20.1 V	910
1997 GR_{36}	1997 05 29.92352	14 20 34.10	−10 07 38.8	20.1 V	910
1997 HX_6	1997 05 26.89669	14 08 51.19	−10 01 06.8	18.0 V	910
1997 HX_6	1997 05 26.90979	14 08 50.81	−10 01 05.9	18.1 V	910
1997 HX_6	1997 05 26.92258	14 08 50.44	−10 01 04.9	18.2 V	910
1997 HY_6	1997 05 26.89474	14 06 01.31	−10 10 47.5	18.9 V	910
1997 HY_6	1997 05 26.90783	14 06 00.84	−10 10 48.1	18.8 V	910
1997 HY_6	1997 05 26.92063	14 06 00.41	−10 10 48.2	18.9 V	910
1997 JJ_{14}	1997 05 27.88000	14 27 18.41	−10 02 59.3	20.5 V	910
1997 JJ_{14}	1997 05 27.90566	14 27 17.39	−10 02 55.4	20.1 V	910
1997 JJ_{14}	1997 05 27.93735	14 27 16.15	−10 02 51.5	20.4 V	910
1997 JJ_{14}	1997 05 29.87942	14 26 08.52	−09 58 48.9	20.4 V	910
1997 JJ_{14}	1997 05 29.90359	14 26 07.67	−09 58 46.3	19.9 V	910
1997 JJ_{14}	1997 05 29.92736	14 26 06.83	−09 58 43.6	19.7 V	910
1997 JS_{16}	* 1997 05 02.86768	12 29 43.20	+00 01 41.7	18.7 V	910
1997 JS_{16}	1997 05 02.89105	12 29 42.24	+00 01 42.6	18.6 V	910
1997 JS_{16}	1997 05 02.91511	12 29 41.26	+00 01 43.6	18.6 V	910
1997 KY	* 1997 05 27.87277	14 16 52.31	−09 51 38.5	19.4 V	910
1997 KY	1997 05 27.89843	14 16 51.20	−09 51 45.9	19.5 V	910
1997 KY	1997 05 27.93011	14 16 49.83	−09 51 55.1	19.3 V	910
1997 KY	1997 05 29.87208	14 15 32.76	−10 01 24.6	18.1 V	910
1997 KY	1997 05 29.89625	14 15 31.80	−10 01 31.8	18.0 V	910
1997 KY	1997 05 29.92002	14 15 30.84	−10 01 38.8	18.0 V	910
1997 KZ	* 1997 05 27.87322	14 17 30.84	−10 10 33.7	21.5 V	910
1997 KZ	1997 05 27.89888	14 17 29.88	−10 10 29.2	20.8 V	910
1997 KZ	1997 05 27.93057	14 17 28.69	−10 10 23.3	20.9 V	910
1997 KZ	1997 05 29.87267	14 16 23.81	−10 04 56.4	21.0 V	910
1997 KZ	1997 05 29.89684	14 16 22.97	−10 04 52.8	20.6 V	910
1997 KZ	1997 05 29.92061	14 16 22.18	−10 04 48.6	21.1 V	910
1997 KA_1	* 1997 05 27.87414	14 18 50.40	−10 11 55.5	20.7 V	910
1997 KA_1	1997 05 27.89980	14 18 49.16	−10 11 57.9	20.6 V	910
1997 KA_1	1997 05 27.93148	14 18 47.63	−10 12 00.7	20.5 V	910
1997 KA_1	1997 05 29.87332	14 17 19.75	−10 15 17.0	20.8 V	910
1997 KA_1	1997 05 29.89749	14 17 18.65	−10 15 19.6	20.9 V	910
1997 KA_1	1997 05 29.92126	14 17 17.60	−10 15 22.2	20.6 V	910
1997 KB_1	* 1997 05 27.87480	14 19 48.70	−09 54 43.9	20.5 V	910
1997 KB_1	1997 05 27.90047	14 19 47.64	−09 54 47.0	21.0 V	910
1997 KB_1	1997 05 27.93215	14 19 46.29	−09 54 50.8	21.2 V	910
1997 KB_1	1997 05 29.87416	14 18 33.03	−09 58 57.5	20.7 V	910
1997 KB_1	1997 05 29.89833	14 18 32.09	−09 59 00.7	20.8 V	910
1997 KB_1	1997 05 29.92210	14 18 31.18	−09 59 04.3	21.4 V	910
1997 KC_1	* 1997 05 27.87539	14 20 39.12	−10 00 43.1	20.3 V	910
1997 KC_1	1997 05 27.90105	14 20 38.19	−10 00 41.0	20.6 V	910
1997 KC_1	1997 05 27.93274	14 20 37.06	−10 00 38.1	20.8 V	910
1997 KC_1	1997 05 29.87484	14 19 31.59	−09 57 53.8	20.1 V	910
1997 KC_1	1997 05 29.89901	14 19 30.78	−09 57 52.2	20.7 V	910
1997 KC_1	1997 05 29.92278	14 19 29.97	−09 57 50.3	20.6 V	910
1997 KD_1	* 1997 05 27.87807	14 24 30.65	−10 16 57.6	20.8 V	910
1997 KD_1	1997 05 27.90373	14 24 29.67	−10 16 57.0	20.6 V	910
1997 KD_1	1997 05 27.93542	14 24 28.49	−10 16 55.9	20.5 V	910
1997 KD_1	1997 05 29.87748	14 23 19.43	−10 16 13.0	21.0 V	910
1997 KD_1	1997 05 29.90165	14 23 18.52	−10 16 13.1	20.9 V	910
1997 KD_1	1997 05 29.92542	14 23 17.66	−10 16 12.4	20.8 V	910
1997 KE_1	* 1997 05 27.88025	14 27 40.20	−10 07 23.5	20.8 V	910
1997 KE_1	1997 05 27.90591	14 27 38.96	−10 07 16.9	20.7 V	910
1997 KE_1	1997 05 27.93760	14 27 37.47	−10 07 09.3	21.5 V	910
1997 KE_1	1997 05 29.87947	14 26 12.84	−09 59 25.7	20.7 V	910
1997 KE_1	1997 05 29.90364	14 26 11.76	−09 59 20.6	20.9 V	910
1997 KE_1	1997 05 29.92741	14 26 10.71	−09 59 15.2	20.4 V	910
1997 KF_1	* 1997 05 27.88198	14 30 09.99	−10 03 54.9	19.7 V	910
1997 KF_1	1997 05 27.90764	14 30 08.76	−10 03 59.2	20.0 V	910
1997 KF_1	1997 05 27.93932	14 30 07.25	−10 04 04.3	20.0 V	910
1997 KF_1	1997 05 29.88119	14 28 41.00	−10 09 32.0	21.3 V	910
1997 KF_1	1997 05 29.90535	14 28 39.86	−10 09 37.4	20.7 V	910
1997 KF_1	1997 05 29.92912	14 28 38.75	−10 09 41.1	21.2 V	910
1997 KG_1	* 1997 05 27.88201	14 30 11.96	−10 13 07.1	21.1 V	910
1997 KG_1	1997 05 27.90767	14 30 11.17	−10 12 56.4	20.5 V	910
1997 KG_1	1997 05 27.93936	14 30 10.20	−10 12 42.5	20.2 V	910
1997 KG_1	1997 05 29.88157	14 29 14.59	−09 59 01.3	21.2 V	910
1997 KG_1	1997 05 29.90574	14 29 13.84	−09 58 51.2	21.1 V	910
1997 KG_1	1997 05 29.92951	14 29 13.19	−09 58 41.2	21.1 V	910
1997 KH_1	* 1997 05 27.88499	14 34 31.17	−10 03 01.7	20.2 V	910
1997 KH_1	1997 05 27.91066	14 34 30.17	−10 02 56.3	20.1 V	910
1997 KH_1	1997 05 27.94234	14 34 28.94	−10 02 50.1	19.9 V	910
1997 KH_1	1997 05 29.88438	14 33 18.42	−09 56 29.2	19.9 V	910
1997 KH_1	1997 05 29.90855	14 33 17.53	−09 56 24.4	20.3 V	910
1997 KH_1	1997 05 29.93232	14 33 16.65	−09 56 19.8	20.0 V	910
1997 KJ_1	* 1997 05 27.88512	14 34 41.72	−10 13 06.1	20.5 V	910
1997 KJ_1	1997 05 27.91079	14 34 40.57	−10 13 02.9	20.1 V	910
1997 KJ_1	1997 05 27.94247	14 34 39.16	−10 12 59.1	20.2 V	910
1997 KJ_1	1997 05 29.88438	14 33 17.78	−10 09 19.0	20.0 V	910
1997 KJ_1	1997 05 29.90855	14 33 16.75	−10 09 16.1	20.1 V	910
1997 KJ_1	1997 05 29.93232	14 33 15.78	−10 09 13.4	20.2 V	910
1997 KK_1	* 1997 05 27.88543	14 35 08.62	−10 02 21.1	20.5 V	910
1997 KK_1	1997 05 27.91109	14 35 07.64	−10 02 19.8	20.2 V	910
1997 KK_1	1997 05 27.94278	14 35 06.45	−10 02 18.5	20.4 V	910
1997 KK_1	1997 05 29.88482	14 33 56.61	−10 01 07.4	20.6 V	910
1997 KK_1	1997 05 29.90899	14 33 55.72	−10 01 06.1	20.6 V	910
1997 KK_1	1997 05 29.93277	14 33 54.90	−10 01 05.6	20.1 V	910
1997 KL_1	* 1997 05 27.88716	14 37 38.86	−09 56 48.5	21.1 V	910
1997 KL_1	1997 05 27.91282	14 37 37.71	−09 56 48.3	21.2 V	910
1997 KL_1	1997 05 27.94450	14 37 36.30	−09 56 47.9	21.9 V	910
1997 KL_1	1997 05 29.88642	14 36 14.95	−09 56 42.0	20.9 V	910
1997 KL_1	1997 05 29.91059	14 36 13.90	−09 56 41.9	20.2 V	910
1997 KL_1	1997 05 29.93436	14 36 12.90	−09 56 41.8	21.3 V	910
1997 KM_1	* 1997 05 27.88799	14 38 50.54	−10 03 05.6	21.2 V	910
1997 KM_1	1997 05 27.91365	14 38 49.25	−10 03 00.3	20.9 V	910
1997 KM_1	1997 05 27.94533	14 38 47.72	−10 02 54.2	20.9 V	910
1997 KM_1	1997 05 29.88714	14 37 17.27	−09 56 23.2	21.0 V	910
1997 KM_1	1997 05 29.91130	14 37 16.15	−09 56 18.7	21.1 V	910
1997 KM_1	1997 05 29.93507	14 37 15.03	−09 56 14.3	21.5 V	910

1997 KN_1	*	1997 05 27.88837	14 39 23.46	−10 09 17.9	21.5	V	910
1997 KN_1		1997 05 27.91404	14 39 22.36	−10 09 17.8	21.3	V	910
1997 KN_1		1997 05 27.94572	14 39 20.99	−10 09 17.8	21.2	V	910
1997 KN_1		1997 05 29.88768	14 38 03.59	−10 09 32.2	21.0	V	910
1997 KN_1		1997 05 29.91185	14 38 02.58	−10 09 32.1	21.7	V	910
1997 KN_1		1997 05 29.93562	14 38 01.65	−10 09 32.9	21.0	V	910
1997 KO_1	*	1997 05 27.88908	14 40 25.43	−09 58 24.4	21.2	V	910
1997 KO_1		1997 05 27.91474	14 40 24.16	−09 58 21.4	21.4	V	910
1997 KO_1		1997 05 27.94642	14 40 22.54	−09 58 17.9	21.5	V	910
1997 KO_1		1997 05 29.88821	14 38 50.73	−09 55 01.2	21.3	V	910
1997 KO_1		1997 05 29.91238	14 38 49.51	−09 54 58.1	21.4	V	910
1997 KO_1		1997 05 29.93615	14 38 48.36	−09 54 56.2	21.2	V	910
1997 KP_1	*	1997 05 27.88951	14 41 02.19	−10 04 21.5	20.2	V	910
1997 KP_1		1997 05 27.91517	14 41 01.08	−10 04 19.6	20.4	V	910
1997 KP_1		1997 05 27.94686	14 40 59.72	−10 04 17.2	20.3	V	910
1997 KP_1		1997 05 27.97909	14 40 58.33	−10 04 14.7	19.3	V	910
1997 KP_1		1997 05 28.00277	14 40 57.32	−10 04 12.8	19.3	V	910
1997 KP_1		1997 05 28.02781	14 40 56.23	−10 04 11.2	20.3	V	910
1997 KP_1		1997 05 29.88882	14 39 42.25	−10 02 09.3	20.6	V	910
1997 KP_1		1997 05 29.91298	14 39 41.27	−10 02 08.2	20.7	V	910
1997 KP_1		1997 05 29.93675	14 39 40.32	−10 02 07.2	20.6	V	910
1997 KQ_1	*	1997 05 27.88984	14 41 29.74	−10 16 26.9	20.4	V	910
1997 KQ_1		1997 05 27.91550	14 41 28.68	−10 16 20.1	21.2	V	910
1997 KQ_1		1997 05 27.94719	14 41 27.33	−10 16 11.8	20.6	V	910
1997 KQ_1		1997 05 27.97941	14 41 25.94	−10 16 03.1	20.8	V	910
1997 KQ_1		1997 05 28.00310	14 41 24.97	−10 15 56.7	20.9	V	910
1997 KQ_1		1997 05 28.02813	14 41 23.92	−10 15 51.1	21.0	V	910
1997 KQ_1		1997 05 29.88915	14 40 10.58	−10 08 03.0	21.4	V	910
1997 KQ_1		1997 05 29.91332	14 40 09.65	−10 07 56.4	21.5	V	910
1997 KQ_1		1997 05 29.93709	14 40 08.66	−10 07 50.7	20.8	V	910
1997 KR_1	*	1997 05 27.89030	14 42 09.95	−10 13 00.1	21.0	V	910
1997 KR_1		1997 05 27.91596	14 42 08.69	−10 12 58.6	20.7	V	910
1997 KR_1		1997 05 27.94764	14 42 07.15	−10 12 57.1	20.8	V	910
1997 KR_1		1997 05 29.88951	14 40 41.35	−10 11 45.7	20.5	V	910
1997 KR_1		1997 05 29.91368	14 40 40.21	−10 11 44.9	20.3	V	910
1997 KR_1		1997 05 29.93744	14 40 39.14	−10 11 44.2	20.7	V	910
6612 P-L		1997 05 27.98264	14 46 05.98	−10 14 55.9	19.4	V	910
6612 P-L		1997 05 28.00633	14 46 04.93	−10 14 51.5	19.3	V	910
6612 P-L		1997 05 28.03137	14 46 03.81	−10 14 46.5	19.5	V	910
6612 P-L		1997 05 29.89233	14 44 45.81	−10 09 04.6	18.9	V	910
6612 P-L		1997 05 29.91650	14 44 44.78	−10 09 00.6	19.2	V	910
6612 P-L		1997 05 29.94027	14 44 43.77	−10 08 56.1	19.1	V	910
1146 T-1		1997 05 29.87766	14 23 35.69	−10 17 53.6	19.3	V	910
1146 T-1		1997 05 29.90184	14 23 34.90	−10 17 48.4	19.4	V	910
1146 T-1		1997 05 29.92561	14 23 34.12	−10 17 43.5	19.4	V	910
3197 T-3		1997 05 26.89122	14 00 57.07	−10 15 32.5	18.7	V	910
3197 T-3		1997 05 26.90432	14 00 56.63	−10 15 30.9	18.8	V	910
3197 T-3		1997 05 26.91711	14 00 56.17	−10 15 30.0	19.8	V	910
3424 T-3		1997 05 27.87372	14 18 14.77	−10 13 32.7	20.4	V	910
3424 T-3		1997 05 27.89939	14 18 13.86	−10 13 29.1	20.5	V	910
3424 T-3		1997 05 27.93108	14 18 12.74	−10 13 24.8	20.4	V	910
3424 T-3		1997 05 29.87319	14 17 08.91	−10 09 05.4	20.1	V	910
3424 T-3		1997 05 29.89737	14 17 08.11	−10 09 02.3	20.3	V	910
3424 T-3		1997 05 29.92114	14 17 07.30	−10 08 59.5	20.4	V	910
(2163)		1997 05 29.87235	14 15 55.36	−10 20 04.0	17.1	V	910
(2163)		1997 05 29.89652	14 15 54.59	−10 20 01.0	17.2	V	910
(2163)		1997 05 29.92029	14 15 53.84	−10 19 58.4	17.4	V	910
(2859)		1997 05 27.98311	14 46 47.21	−09 57 29.4	17.3	V	910
(2859)		1997 05 28.00680	14 46 46.16	−09 57 25.7	17.3	V	910
(2859)		1997 05 28.03184	14 46 45.05	−09 57 21.9	17.3	V	910
(2859)		1997 05 29.89281	14 45 29.21	−09 53 01.2	17.8	V	910
(2859)		1997 05 29.91698	14 45 28.20	−09 52 58.1	17.7	V	910
(2859)		1997 05 29.94075	14 45 27.21	−09 52 55.0	17.7	V	910
(3911)		1997 05 27.87459	14 19 29.91	−09 51 26.9	17.9	V	910
(3911)		1997 05 27.90025	14 19 29.09	−09 51 19.7	17.9	V	910
(3911)		1997 05 27.93194	14 19 28.08	−09 51 10.9	17.9	V	910
(4136)		1997 05 27.98496	14 49 26.80	−09 59 24.7	17.5	V	910
(4136)		1997 05 28.00864	14 49 25.85	−09 59 22.1	17.6	V	910
(4136)		1997 05 28.03368	14 49 24.82	−09 59 19.3	17.4	V	910
(6097)		1997 05 30.01461	16 55 28.21	−15 03 47.4	19.4	V	910
(6097)		1997 05 30.03940	16 55 26.67	−15 03 41.4	19.4	V	910
(6097)		1997 05 30.06444	16 55 25.12	−15 03 35.6	19.5	V	910
(6703)		1997 05 27.99259	15 00 27.18	−10 09 05.7	18.8	V	910
(6703)		1997 05 28.01627	15 00 26.07	−10 09 01.5	19.0	V	910
(6703)		1997 05 28.04131	15 00 24.90	−10 08 57.4	19.3	V	910
(6778)		1997 05 27.87850	14 25 09.05	−09 48 32.7	18.7	V	910
(6778)		1997 05 27.90416	14 25 08.11	−09 48 30.1	18.7	V	910
(6778)		1997 05 27.93585	14 25 06.97	−09 48 26.7	18.7	V	910
(6958)		1997 05 27.98378	14 47 44.16	−10 12 03.5	18.6	V	910
(6958)		1997 05 28.00746	14 47 43.26	−10 11 57.0	18.4	V	910
(6958)		1997 05 28.03251	14 47 42.33	−10 11 50.0	18.6	V	910
(7483)		1997 05 26.90038	14 14 10.70	−09 56 26.7	18.0	V	910
(7483)		1997 05 26.91348	14 14 10.27	−09 56 25.7	17.9	V	910
(7483)		1997 05 26.92627	14 14 09.85	−09 56 24.6	18.0	V	910
(7680)		1997 05 26.89547	14 07 04.68	−10 08 23.7	18.8	V	910
(7680)		1997 05 26.90856	14 07 04.25	−10 08 20.1	19.0	V	910
(7680)		1997 05 26.92136	14 07 03.80	−10 08 16.7	18.9	V	910

950 La Palma

A. Fitzsimmons, Physics Department, Queen's University, Belfast BT7 1NN, Northern Ireland [a.fitzsimmons@queens-belfast.ac.uk]
Observers E. Fletcher, A. Fitzsimmons, M. Irwin, I. P. Williams, S. Collander-Brown

2.5-m Isaac Newton Telescope + CCD

GSC

1994 GV_9	1997 04 07.94042	11 48 54.73	+01 12 30.1		950
1994 GV_9	1997 04 08.00322	11 48 54.33	+01 12 31.7		950
1994 GV_9	1997 04 08.04792	11 48 54.09	+01 12 32.7		950
1994 JQ_1	1997 04 07.05448	14 04 18.67	−13 08 40.4		950
1994 JQ_1	1997 04 07.09899	14 04 18.50	−13 08 39.6		950
1994 JQ_1	1997 04 07.15582	14 04 18.23	−13 08 38.4		950
1994 JQ_1	1997 04 08.06231	14 04 14.23	−13 08 18.0		950
1994 JQ_1	1997 04 08.10719	14 04 14.02	−13 08 17.3		950
1994 JQ_1	1997 04 08.16403	14 04 13.79	−13 08 16.2		950
1995 DB_2	1997 03 01.85288	08 54 32.87	+17 39 48.9		950

1995 DB_2	1997 03 02.87677	08 54 28.54	+17 40 07.2	950
1995 DC_2	1997 03 04.93450	10 28 08.11	+09 39 21.6	950
1995 DC_2	1997 03 05.92279	10 28 03.71	+09 39 45.9	950
1995 HM_5	1997 03 04.06538	12 40 52.69	−04 04 09.9	950
1995 HM_5	1997 03 05.06227	12 40 47.93	−04 03 36.8	950

954 Teide Observatory
R. Casas, Instituto de Astrofisica de Canarias, Via Lactea, E-38200 La Laguna, Tenerife, Canary Islands, Spain [rcr@ll.iac.es]
Observers A. Oscoz
Measurers R. Casas
0.8-m $f/11.3$ Cassegrain + CCD
GSC

1995 UX_5	1997 05 25.92884	11 37 45.85	−06 33 14.2	954
1995 UX_5	1997 05 25.94179	11 37 46.22	−06 33 14.3	954
1995 UX_5	1997 05 25.95475	11 37 46.58	−06 33 14.2	954
1995 UX_5	1997 05 25.96772	11 37 46.94	−06 33 14.5	954

ORBITAL ELEMENTS

Orbital elements have been computed by the following contributors:

E. Bowell, Lowell Observatory, 1400 West Mars Hill Road, Flagstaff, AZ 86001, U.S.A. [elgb@lowell.edu]
G. Forti, Osservatorio Astrofisico di Arcetri, Largo E. Fermi 5, I-50125 Florence, Italy [forti@arcetri.astro.it]
B. G. Marsden, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [bmarsden@cfa.harvard.edu] (M)
S. Nakano, 3-19, 1 chome, Takenokuchi, Sumoto, Hyogo-ken 656, Japan [snakano@cfa.harvard.edu] (N)
T. Urata, 1-8, Dobayashi 1 Chome, Shimizu, Shizuoka-Ken, 424 Japan
G. V. Williams, Harvard-Smithsonian Center for Astrophysics, 60 Garden Street, Cambridge, MA 02138, U.S.A. [gwilliams@cfa.harvard.edu] (W)

C/1996 B3 (SOHO)

				Marsden	
T	1996 Jan. 28.71100 TT			**P**	**Q**
q	0.0054830		(2000.0)		
		ω	114.52576	−0.00641286	−0.80517896
		Ω	42.67643	−0.87204435	−0.28571281
e	1.0	i	118.97736	+0.48938485	−0.51966819

From 24 observations 1996 Jan. 27–28.

C/1996 X1 (SOHO)

				Marsden	
T	1996 Dec. 12.09630 TT			**P**	**Q**
q	0.0050469		(2000.0)		
		ω	58.89690	+0.15459029	−0.95365289
		Ω	333.69052	−0.98086649	−0.11684791
e	1.0	i	144.37543	+0.11833331	+0.27729538

From 8 observations 1996 Dec. 11.

C/1996 X2 (SOHO)

				Marsden	
T	1996 Dec. 12.87841 TT			**P**	**Q**
q	0.0050221		(2000.0)		
		ω	78.46236	+0.17309547	−0.98470251
		Ω	358.05902	−0.96163523	−0.16458896
e	1.0	i	143.86443	+0.21282775	+0.05719650

From 10 observations 1996 Dec. 11–12.

P/1997 B1 (Kobayashi)
Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

				Nakano	
T	1997 Mar. 2.34699 TT			**P**	**Q**
q	2.0545504		(2000.0)		
n	0.03916512	ω	183.34006	−0.88554418	−0.45135665
a	8.5875598	Ω	329.06410	+0.43102430	−0.70999814
e	0.7607527	i	12.34953	+0.17329041	−0.54053660
P	25.17				

From 231 observations 1997 Jan. 30–May 28, mean residual 0″.48.

C/1997 B2 (SOHO)

				Marsden	
T	1997 Jan. 27.07530 TT			**P**	**Q**
q	0.0055567		(2000.0)		
		ω	116.46289	+0.00702123	−0.77703677
		Ω	46.17226	−0.88358751	−0.29953645
e	1.0	i	119.25397	+0.46821343	−0.55361699

From 7 observations 1997 Jan. 26.

P/1997 C1 (Gehrels)
Epoch 1996 Feb. 7.0 TT = JDT 2450120.5

				Marsden	
T	1996 Jan. 29.18150 TT			**P**	**Q**
q	3.5647289		(2000.0)		
n	0.05666613	ω	211.33224	+0.22113742	−0.97458013
a	6.7130568	Ω	225.91940	+0.90479824	+0.21877721
e	0.4689857	i	2.86788	+0.36392085	+0.04827120
P	17.39				

From 145 observations 1997 Feb. 2–June 14, mean residual 0″.66.

C/1997 D1 (Mueller)
Epoch 1997 Sept. 29.0 TT = JDT 2450720.5

				Nakano	
T	1997 Oct. 11.60297 TT			**P**	**Q**
q	2.2477865		(2000.0)		
z	−0.0005124	ω	184.95498	−0.09170627	+0.78761799
	±0.0000129	Ω	279.17163	+0.93351073	+0.28098807
e	1.0011517	i	141.88865	+0.34662325	−0.54836449

From 222 observations 1997 Feb. 20–June 15, mean residual 0″.58.

P/1997 G1 (Montani)
Epoch 1997 Apr. 22.0 TT = JDT 2450560.5

				Marsden	
T	1997 Apr. 8.90631 TT			**P**	**Q**
q	4.2170575		(2000.0)		
n	0.05019515	ω	213.82009	−0.52336859	−0.84927029
a	7.2782706	Ω	267.82890	+0.79637628	−0.45851329
e	0.4205962	i	3.98608	+0.30310087	−0.26173562
P	19.64				

From 42 observations 1997 Apr. 9–June 4, mean residual 0″.63.

C/1997 G2 (Montani)
Epoch 1998 Apr. 17.0 TT = JDT 2450920.5
T 1998 Apr. 16.32718 TT Marsden

				P	Q
q	3.0840160		(2000.0)		
z	+0.0018907	ω	239.86812	−0.03541300	+0.62925711
	±0.0001217	Ω	55.80549	−0.21182770	+0.75449895
e	0.9941689	i	69.82611	−0.97666522	−0.18645863

From 126 observations 1997 Apr. 12–June 13, mean residual 0″.63.

C/1997 J1 (Mueller)
Epoch 1997 Apr. 22.0 TT = JDT 2450560.5
T 1997 May 3.77776 TT Marsden

				P	Q
q	2.3026569		(2000.0)		
z	+0.0031862	ω	98.95546	−0.55255862	−0.03782033
	±0.0001563	Ω	277.08688	−0.24878344	+0.96091387
e	0.9926633	i	122.96264	+0.79547833	+0.27425199

From 252 observations 1997 May 3–June 15, mean residual 0″.54.

C/1997 J2 (Meunier-Dupouy)
T 1998 Mar. 10.36135 TT Marsden

				P	Q
q	3.0530140		(2000.0)		
		ω	122.61819	+0.47106487	+0.71465306
		Ω	148.85497	−0.57598325	−0.19476905
e	1.0	i	91.27892	+0.66808771	−0.67181547

From 237 observations 1997 May 5–June 13.

C/1997 K1 (SOHO)
T 1997 June 1.60392 TT Marsden

				P	Q
q	0.0067303		(2000.0)		
		ω	80.65989	+0.21239444	−0.97639995
		Ω	3.69109	−0.94634835	−0.21550915
e	1.0	i	142.55913	+0.24354343	+0.01410506

From 21 observations 1997 May 31–June 1.

C/1997 L1 (Xinglong)
T 1996 Nov. 18.49625 TT Marsden

				P	Q
q	4.8819463		(2000.0)		
		ω	345.71590	−0.63726784	+0.08051093
		Ω	233.29453	−0.57929597	−0.70593649
e	1.0	i	72.93608	−0.50823801	+0.70368435

From 86 observations 1997 June 3–15.

48P/Johnson
Epoch 1997 Nov. 8.0 TT = JDT 2450760.5
T 1997 Oct. 31.84917 TT Nakano

				P	Q
q	2.3083017		(2000.0)		
n	0.14144985	ω	207.99129	+0.81079272	+0.54643436
a	3.6481083	Ω	117.35377	−0.48320746	+0.82715294
e	0.3672607	i	13.66442	−0.33034181	+0.13125354
P	6.97				

From 116 observations 1949–1997, mean residual 0″.81. Nongravitational parameters $A_1 = +0.69 \pm 0.02$, $A_2 = -0.0256 \pm 0.0008$.

100P/Hartley 1
Epoch 1997 June 1.0 TT = JDT 2450600.5
T 1997 May 28.51690 TT Nakano

				P	Q
q	1.8186814		(2000.0)		
n	0.16364051	ω	178.93283	−0.78861268	+0.55117697
a	3.3103621	Ω	38.90298	−0.56731748	−0.48124221
e	0.4506095	i	25.72327	−0.23715168	−0.68162297
P	6.02				

From 106 observations 1985–1997, mean residual 0″.78.

104P/Kowal 2
Epoch 1998 Mar. 8.0 TT = JDT 2450880.5
T 1998 Mar. 2.18041 TT Nakano

				P	Q
q	1.3965130		(2000.0)		
n	0.15943720	ω	191.91086	+0.21374144	−0.94586264
a	3.3682911	Ω	246.14923	+0.91677616	+0.28057197
e	0.5853942	i	15.48922	+0.33739601	−0.16316627
P	6.18				

From 113 observations 1979–1997, mean residual 0″.98. Nongravitational parameters $A_1 = -2.57 \pm 0.18$, $A_2 = +0.1103 \pm 0.0023$.

116P/Wild 4
Epoch 1996 Aug. 25.0 TT = JDT 2450320.5
T 1996 Aug. 31.23626 TT Nakano

				P	Q
q	1.9890673		(2000.0)		
n	0.16011278	ω	170.74974	−0.97496446	+0.22102124
a	3.3588096	Ω	22.06517	−0.20793562	−0.86739177
e	0.4078059	i	3.71958	−0.07878503	−0.44584878
P	6.16				

From 456 observations 1990–1997, mean residual 0″.92. Nongravitational parameters $A_1 = +0.45 \pm 0.11$, $A_2 = +1.0899 \pm 0.0806$.

One-opposition minor planets

Planet	H	Epoch	M	ω	Ω	i	e	a	Arc	O	N	C
1995 SD	16.5	950920	3.48	302.68	47.11	4.19	0.1700	2.5788	55	29		M
1995 SE	17.5	950920	317.88	342.69	74.46	3.19	0.2151	2.3276	55	29		M
1995 SY	16.5	950920	90.34	110.46	140.60	5.21	0.0951	2.3307	47	14		M
1995 SS_2	13.0	950920	309.87	60.40	0.99	13.21	0.1598	2.6693	11	11		M
1995 ST_2	14.0	950920	343.55	16.53	0.22	18.61	0.1287	2.6217	11	10		M
1995 SU_2	14.0	950920	50.92	121.93	161.98	4.07	0.2068	2.2166	11	8		M
1995 SN_6	16.5	950831	39.75	293.20	353.67	5.76	0.2142	2.2207	31	25		M
1995 SY_7	15.5	950920	134.14	223.26	349.65	7.53	0.0715	2.9068	10	12	E	M
1995 SA_9	16.0	950920	86.10	244.54	358.25	1.79	0.2206	3.0590	10	10	E	M
1995 SR_9	14.5	950831	274.25	95.00	355.85	12.96	0.1243	3.1511	35	24		M
1995 SA_{12}	17.5	950920	35.67	87.92	211.94	0.63	0.2144	2.4342	10	11		M
1995 SC_{12}	15.5	950920	116.18	51.88	176.43	10.46	0.0833	2.9742	10	10		M
1995 SU_{12}	16.0	950920	2.24	0.39	350.11	3.53	0.1648	3.1874	9	10	E	M
1995 SX_{12}	13.5	950920	125.07	11.51	199.06	0.38	0.2239	3.0095	9	16	E	W
1995 SZ_{12}	17.0	950831	24.14	327.17	353.13	11.43	0.0934	2.9952	34	10		M
1995 SC_{13}	17.5	950920	7.02	169.39	174.93	1.46	0.1752	2.5497	9	11		M
1995 SH_{13}	16.5	950920	345.43	23.28	352.84	3.11	0.1892	2.7718	9	12		M
1995 SN_{13}	15.0	950920	23.95	327.95	354.72	2.41	0.1437	2.9247	9	13		M
1995 ST_{13}	15.5	950920	163.44	12.08	173.61	6.45	0.2147	2.2988	9	11	E	W
1995 SA_{14}	15.5	950920	351.80	356.33	7.86	1.70	0.0531	2.8628	9	12		M
1995 SS_{14}	16.5	950920	335.45	210.35	177.68	12.00	0.1763	2.6620	10	10		M
1995 SY_{14}	17.0	950831	62.20	352.99	282.03	0.85	0.0982	2.4805	26	10		M

1995 SB_{15}	15.0	950920	344.46	27.50	342.11	5.48	0.0270	2.7535	12	11		M
1995 SO_{15}	17.0	950831	328.19	80.89	311.78	0.81	0.1899	2.3741	33	15		M
1995 SX_{15}	15.0	950831	29.60	117.35	182.23	3.49	0.2517	2.9873	26	11		M
1995 SG_{16}	15.5	950920	311.43	232.77	177.18	9.49	0.0791	3.1713	9	10		M
1995 SO_{16}	17.0	950920	345.35	76.84	300.99	0.28	0.2090	2.4493	11	12		M
1995 SC_{53}	16.0	950920	346.94	195.98	177.30	14.01	0.1694	2.7855	11	13		M
1995 SF_{53}	15.0	950920	91.09	62.44	177.54	3.39	0.2151	2.7999	10	10	E	M
1997 AT_{24}	16.0	961223	65.75	172.00	252.78	7.85	0.1529	3.2272	5	6	E	W
1997 AU_{24}	13.5	961223	226.90	80.63	219.54	8.85	0.2299	3.2447	5	6	E	W
1997 EO_{17}	14.5	970402	152.12	320.34	63.75	7.47	0.1665	2.2814	65	10		W
1997 ER_{17}	15.1	970402	317.57	306.89	285.04	2.12	0.1857	2.3632	57	16		N
1997 ES_{17}	14.1	970313	248.31	5.83	292.90	3.74	0.2346	2.4356	25	10		N
1997 ET_{17}	15.0	970313	93.70	163.75	251.69	1.27	0.1504	2.1899	35	14		N
1997 EU_{17}	12.8	970313	165.72	24.28	334.10	13.56	0.0377	3.2513	25	10		N
1997 EV_{17}	15.3	970313	345.05	226.56	316.94	6.19	0.0551	2.3291	25	9		N
1997 EG_{27}	15.5	970313	354.10	6.90	178.45	5.96	0.0425	2.2861	31	17		W
1997 ER_{40}	15.5	970402	299.27	77.90	181.64	14.35	0.0780	2.6754	68	0		W
1997 EM_{47}	14.5	970313	83.17	88.46	10.55	11.96	0.1098	2.7234	30	8		W
1997 FF	15.5	970402	20.62	125.90	51.33	24.76	0.2197	2.2963	51	14		W
1997 FN_1	15.0	970422	332.76	9.21	231.49	4.23	0.2314	2.3427	57	19		W
1997 FQ_1	16.1	970422	325.79	292.71	315.59	3.47	0.1221	2.3413	65	20		N
1997 FH_3	16.5	970402	81.94	276.05	187.73	7.82	0.0638	2.4272	33	9		W
1997 GB	15.0	970422	34.89	126.44	29.16	6.51	0.0846	2.3651	60	25		W
1997 GD	16.5	970422	0.21	165.01	33.23	9.81	0.1628	1.7843	38	45		M
1997 GU	17.5	970402	329.36	229.48	12.34	1.55	0.2147	2.3444	35	18		W
1997 GL_1	12.5	970422	261.51	103.40	185.42	9.82	0.0807	3.0048	56	31		M
1997 GL_3	**20.0**	**970422**	**18.20**	**260.13**	**196.65**	**6.71**	**0.7840**	**2.2825**	**29**	**0**		**W**
1997 GU_3	14.0	970402	235.63	291.07	35.20	6.26	0.0539	2.7807	12	10		N
1997 GV_3	15.5	970422	6.69	168.61	26.48	7.40	0.0639	2.2940	30	14		N
1997 GY_3	18.0	970402	17.26	176.70	357.55	5.27	0.1626	2.3260	22	10		W
1997 GW_6	14.5	970422	245.34	128.79	218.30	16.90	0.1411	2.7499	55	31		W
1997 GD_7	14.5	970402	345.40	156.19	75.69	2.00	0.0808	3.1970	36	32		W
1997 GH_7	15.5	970422	66.70	62.61	83.79	3.23	0.0411	2.6781	55	16		W
1997 GS_7	15.5	970402	59.81	305.86	183.13	4.81	0.2128	2.6238	6	10	E	M
1997 GT_7	15.5	970402	68.65	317.48	172.23	3.89	0.1195	2.3870	6	12		M
1997 GV_7	15.5	970402	221.56	314.02	48.05	8.55	0.1599	2.3024	29	21		M
1997 GW_7	15.5	970402	90.03	34.37	70.91	3.35	0.1550	2.4501	29	21		M
1997 GX_7	14.0	970402	122.20	337.36	101.27	2.39	0.1889	3.2005	6	16	F	M
1997 GP_{21}	16.5	970422	25.79	327.43	219.19	9.89	0.0924	2.2953	51	17		W
1997 GQ_{21}	14.5	970402	30.09	331.29	208.35	4.71	0.0837	3.1861	29	21		W
1997 GS_{21}	14.5	970402	249.92	292.57	44.05	8.00	0.1299	2.4728	33	31		M
1997 GV_{21}	15.0	970422	113.82	38.47	58.91	7.44	0.0599	2.3116	51	28		M
1997 GX_{21}	13.5	970402	203.61	273.82	99.85	3.62	0.0500	2.9014	25	20		M
1997 GY_{21}	14.5	970402	316.16	71.51	203.76	13.27	0.2018	2.6579	6	12		M
1997 GA_{22}	16.5	970402	21.75	0.91	168.84	3.06	0.2826	2.5195	2	10	E	M
1997 GD_{22}	16.0	970422	27.80	128.88	53.99	3.24	0.1159	2.4074	32	35		M
1997 GG_{22}	16.0	970422	329.66	41.51	213.55	6.36	0.1047	2.2839	58	43		W
1997 GV_{22}	13.5	970402	252.81	131.09	213.93	33.98	0.2134	2.8448	7	14		M
1997 GW_{22}	15.0	970422	109.48	22.51	76.45	3.02	0.0989	2.5175	32	23		M
1997 GZ_{22}	14.5	970402	95.71	279.44	192.85	5.52	0.0646	2.8038	24	14		M
1997 GA_{23}	16.5	970402	289.36	124.52	181.27	3.71	0.2046	2.2754	25	17		M
1997 GD_{23}	15.5	970402	21.98	72.76	99.11	3.65	0.2837	3.0100	2	10		M
1997 GF_{23}	13.5	970402	104.85	57.19	44.59	22.68	0.0918	3.2223	29	22		M
1997 GG_{23}	15.5	970422	139.47	20.32	50.40	8.13	0.1227	2.2379	32	30		M
1997 GJ_{23}	15.0	970402	286.33	265.29	42.41	13.12	0.1748	2.6046	29	27		M
1997 GU_{23}	15.5	970402	33.72	313.38	201.90	11.47	0.2728	2.7052	2	10		M
1997 GX_{23}	15.0	970402	278.25	259.68	60.56	9.51	0.2139	2.4494	25	24		M
1997 GE_{24}	15.5	970402	32.35	90.80	73.82	5.31	0.2013	2.9607	2	7	E	M
1997 GG_{24}	16.0	970402	295.49	263.84	44.07	12.44	0.2785	2.3480	29	25		M
1997 GO_{24}	11.5	970422	280.07	92.14	226.04	14.69	0.1371	5.1632	30	18		W
1997 GP_{24}	14.5	970402	290.36	251.97	51.21	8.83	0.1686	2.7271	1	10	E	M
1997 GR_{24}	14.0	970422	283.96	126.62	195.29	12.18	0.1918	2.6910	58	22		N
1997 GK_{25}	15.0	970422	322.42	51.47	193.66	2.12	0.1745	2.3788	62	14		W
1997 GR_{25}	15.2	970402	302.70	201.34	72.37	3.39	0.1428	2.3713	11	8		N
1997 GX_{25}	16.5	970422	35.84	122.84	31.00	25.24	0.2142	2.2629	29	22		W
1997 GZ_{25}	15.5	970422	12.09	57.21	150.20	4.91	0.0775	2.2896	27	9		W
1997 GA_{26}	15.0	970512	339.68	191.60	51.73	7.19	0.1546	2.2358	56	54		N
1997 GB_{26}	14.5	970422	54.61	103.99	41.93	14.36	0.1409	2.5289	24	18		W
1997 GE_{26}	15.5	970402	325.62	127.87	130.60	5.58	0.2099	2.6144	7	14		M
1997 GX_{27}	17.5	970422	355.80	162.65	38.76	29.24	0.3509	2.2889	60	33		W
1997 GL_{28}	14.0	970512	40.26	310.24	215.67	15.87	0.1637	3.2534	56	14		M
1997 GO_{28}	15.0	970422	324.58	181.24	83.96	3.43	0.1852	2.4121	48	29		W
1997 GZ_{31}	13.5	970512	349.15	145.30	94.28	11.01	0.2797	3.0415	57	26		W
1997 GL_{34}	14.5	970402	18.01	127.67	45.24	2.96	0.1229	2.4133	34	26		W
1997 GJ_{35}	15.0	970402	21.13	55.09	127.80	2.85	0.1411	2.3056	5	10		M
1997 GL_{35}	16.0	970402	354.25	67.10	153.20	3.63	0.1701	2.5797	5	12		M
1997 GO_{35}	15.5	970402	274.46	261.39	61.40	4.05	0.2087	2.2479	5	10	E	M
1997 GS_{35}	15.0	970422	11.91	343.39	221.60	8.91	0.1307	2.7376	31	8		W
1997 GW_{35}	14.5	970402	268.58	116.59	204.78	12.77	0.1073	2.9814	5	10		M
1997 GX_{35}	15.0	970402	254.94	151.62	180.69	4.96	0.1174	2.3657	25	20		M
1997 GY_{35}	14.5	970402	74.41	358.13	128.99	3.96	0.1225	2.7185	5	10		M
1997 GZ_{35}	15.5	970402	23.34	114.54	63.44	6.19	0.1787	2.4368	5	7	E	M
1997 GB_{36}	16.0	970422	77.69	55.69	66.92	6.98	0.1616	2.2521	54	20		W
1997 GC_{36}	15.0	970402	41.61	68.19	93.10	3.47	0.1453	2.8257	5	12		M
1997 GH_{36}	14.0	970422	69.66	102.04	37.66	13.63	0.1067	2.6911	31	13		W
1997 GM_{36}	16.0	970422	25.63	321.59	223.79	3.28	0.1585	2.4284	31	14		W
1997 GP_{36}	14.5	970422	27.63	322.03	216.11	12.16	0.2156	2.6464	31	15		W
1997 GC_{38}	15.5	970402	186.85	201.15	186.98	5.59	0.0469	2.2647	24	15		M
1997 GY_{38}	12.5	970402	88.91	280.01	185.77	12.07	0.1359	3.1493	3	12	E	W
1997 GZ_{38}	14.0	970402	237.25	149.02	187.79	12.53	0.0587	2.5562	3	12		W
1997 GJ_{39}	15.5	970402	25.49	10.40	156.73	5.46	0.1999	2.3331	2	9	E	W
1997 GK_{39}	14.0	970402	273.13	240.82	73.76	8.22	0.1706	2.6280	3	12	E	W
1997 GT_{39}	15.0	970402	318.40	162.55	92.94	4.80	0.0933	2.1624	3	12	E	W
1997 GW_{39}	15.5	970402	24.30	73.32	89.52	4.35	0.2708	2.4082	3	12	E	W
1997 GY_{39}	14.0	970402	275.21	261.04	50.70	15.04	0.1609	2.5431	3	12	E	W
1997 GA_{40}	15.0	970402	25.80	346.30	179.76	8.93	0.2301	2.5601	3	12	E	W
1997 GC_{40}	14.5	970402	34.87	349.03	167.99	8.07	0.1988	2.6264	2	9		W
1997 GM_{40}	14.5	970402	70.13	52.87	65.84	8.62	0.1689	2.2842	3	12	E	W
1997 GK_{41}	13.0	970402	275.38	269.45	49.01	9.42	0.2105	3.1190	3	12	E	W
1997 GL_{41}	14.5	970402	309.96	176.83	97.43	2.46	0.1708	2.4978	3	12	E	W
1997 GM_{41}	12.5	970402	275.45	271.72	46.27	11.75	0.2049	3.1922	3	12	E	W
1997 GN_{41}	14.0	970402	295.83	214.69	72.88	4.58	0.1399	2.6183	2	9	E	W
1997 GQ_{41}	15.5	970402	37.15	46.20	97.63	2.08	0.2708	2.3825	2	9		W
1997 GU_{41}	12.5	970402	124.24	23.48	53.13	10.92	0.1195	3.1682	3	12	E	W
1997 GY_{41}	14.0	970402	53.57	33.92	93.85	4.23	0.2641	3.0716	2	9	E	W
1997 GZ_{41}	15.5	970402	312.16	168.45	104.63	2.31	0.1898	2.1855	3	12	E	W
1997 GA_{42}	14.0	970402	51.70	80.75	53.55	8.68	0.2242	2.8741	2	9	E	W
1997 GD_{42}	14.5	970402	6.67	22.73	179.62	6.31	0.0275	2.4087	3	12	E	W
1997 GE_{42}	14.0	970402	303.65	192.64	92.27	4.17	0.1697	2.7898	2	9	E	W
1997 GF_{42}	13.0	970402	318.22	143.45	137.16	4.66	0.2692	3.8104	2	9	E	W
1997 HJ	16.5	970402	359.17	167.81	38.89	4.37	0.1695	2.3303	18	12		W
1997 HA_1	15.5	970512	50.71	97.08	51.58	16.20	0.1410	2.6304	41	27		M
1997 HE_2	14.5	970422	1.08	163.33	49.23	3.59	0.1095	3.1099	27	15		W
1997 HN_2	12.0	970422	304.13	245.68	54.42	21.23	0.1398	5.2581	6	7	E	M
1997 HP_2	15.5	970512	338.67	82.81	174.71	1.18	0.1101	2.5276	31	22		M
1997 HH_3	16.0	970422	78.84	86.83	45.46	21.93	0.0568	1.9613	8	19		W

1997 HX_6	14.0	970422	42.59	62.21	97.69	2.36	0.1597	2.9901	55	15		W
1997 HY_6	13.5	970422	304.06	221.71	52.86	10.18	0.0209	3.0825	55	15		W
1997 HZ_7	16.0	970402	41.68	288.38	224.33	2.88	0.1992	2.8172	23	11		W
1997 HV_8	17.5	970422	353.34	144.35	83.45	0.77	0.2443	2.4245	5	18	E	W
1997 HX_9	16.0	970422	262.70	280.21	50.20	8.63	0.1348	2.3524	32	20		W
1997 HY_9	15.0	970402	232.92	296.87	52.52	8.06	0.1035	2.4374	28	23		M
1997 HG_{10}	17.0	970422	344.95	175.09	60.67	2.30	0.0937	2.1723	4	13	E	W
1997 HJ_{10}	16.5	970422	90.15	65.80	55.52	4.18	0.0604	2.2434	5	19	E	W
1997 HK_{10}	17.5	970422	323.15	87.73	182.89	1.30	0.1950	2.1990	2	13	E	W
1997 HL_{10}	15.0	970402	113.28	267.98	187.91	2.16	0.0567	2.6643	24	14		W
1997 HE_{12}	15.5	970422	344.17	190.95	46.76	13.43	0.0963	2.6088	30	26		M
1997 HB_{13}	14.0	970422	28.33	323.63	226.16	12.29	0.0545	3.1107	7	14	E	W
1997 HD_{13}	15.5	970422	58.11	153.56	352.24	0.48	0.1504	2.3711	31	17		W
1997 HG_{13}	15.0	970422	305.22	70.25	210.21	3.35	0.0565	2.5588	7	13	E	W
1997 HO_{13}	15.5	970422	336.75	186.19	60.04	7.69	0.0817	2.4039	7	13		W
1997 HS_{13}	14.0	970422	287.79	112.32	211.34	12.43	0.2628	3.0667	31	24		M
1997 HZ_{13}	17.0	970422	302.80	212.54	70.28	1.81	0.0758	2.1385	2	12		W
1997 HF_{17}	15.0	970422	75.75	276.47	178.83	11.44	0.1972	2.7472	2	12	E	W
1997 JA	13.5	970422	57.20	67.11	85.32	2.30	0.0940	3.1323	65	54		M
1997 JD	14.0	970422	71.02	242.69	227.22	8.70	0.0801	3.0691	52	17		W
1997 JO	14.5	970512	340.64	235.10	355.82	9.39	0.1685	2.3001	30	14		W
1997 JQ	15.5	970512	313.43	201.43	80.76	7.83	0.2230	2.7314	27	8		M
1997 JR	14.0	970512	258.12	280.87	59.00	13.68	0.2595	2.4234	27	8		M
1997 JV	15.5	970422	85.81	38.99	63.05	11.55	0.1680	2.6132	15	9		W
1997 JX	14.0	970512	73.24	56.25	74.53	10.00	0.0566	3.1742	27	7		M
1997 JC_1	15.5	970512	10.27	146.74	54.61	13.75	0.1272	2.3846	27	10		M
1997 JQ_1	15.5	970422	341.24	34.39	205.52	8.26	0.1605	2.7999	22	12		W
1997 JT_3	16.5	970422	328.22	187.94	76.03	2.00	0.1175	2.1794	5	11		M
1997 JU_3	15.0	970512	15.92	153.36	56.80	8.89	0.1487	2.8119	37	19		M
1997 JU_5	15.5	970422	331.13	60.77	203.96	8.53	0.1240	2.8250	6	12		M
1997 JF_6	14.0	970422	228.71	156.77	216.28	16.66	0.1488	3.0216	5	9	E	M
1997 JH_6	15.0	970422	356.24	119.65	112.10	4.35	0.1509	2.7283	5	9		M
1997 JV_7	14.5	970512	85.16	329.97	169.63	6.69	0.0898	2.2984	32	23		W
1997 JZ_7	13.0	970512	338.14	58.88	207.23	12.87	0.1663	2.6875	12	16		W
1997 JA_8	16.5	970422	43.54	348.38	184.07	1.45	0.1104	2.2965	6	8		M
1997 JB_8	16.0	970512	301.99	96.36	217.96	4.97	0.2197	2.2148	35	22		M
1997 JF_9	15.5	970422	136.57	342.10	96.96	5.59	0.1909	2.2694	7	9	E	W
1997 JR_9	15.0	970512	23.88	75.05	133.19	13.23	0.1241	2.7252	40	14		W
1997 JV_9	15.5	970422	197.05	244.62	149.83	10.43	0.0902	2.6951	39	16		W
1997 JW_9	16.0	970512	318.88	145.14	137.36	10.35	0.1073	3.0781	9	16		W
1997 JY_9	17.0	970512	60.64	350.98	166.12	9.66	0.1386	2.3740	8	13		W
1997 JA_{10}	18.0	970512	17.03	137.06	72.04	25.94	0.1135	2.7345	6	11		W
1997 JB_{10}	15.0	970512	54.65	50.39	115.71	2.95	0.0893	2.2805	23	14		W
1997 JF_{10}	15.5	970422	58.95	311.05	200.66	2.22	0.1554	2.5949	10	10		M
1997 JG_{10}	15.5	970422	335.61	87.17	171.68	1.52	0.1177	3.0611	9	8		M
1997 JH_{10}	16.0	970512	57.01	323.61	203.08	2.37	0.0865	2.3073	36	19		M
1997 JJ_{10}	12.0	970512	203.98	300.55	96.74	25.54	0.0900	5.2522	28	12		W
1997 JY_{10}	13.0	970512	302.66	181.45	118.41	18.77	0.0303	5.1697	20	9		W
1997 JC_{11}	13.0	970512	241.07	268.58	92.23	32.05	0.0302	5.2785	31	14		W
1997 JJ_{11}	15.0	970422	320.79	222.77	49.37	8.68	0.1551	2.3290	4	11		W
1997 JK_{11}	15.0	970422	328.67	52.80	212.23	7.03	0.1831	2.5842	26	13		W
1997 JL_{11}	17.0	970422	2.15	171.23	44.60	4.29	0.1839	2.2020	4	10		W
1997 JN_{11}	15.0	970422	314.65	59.75	217.49	3.27	0.1149	2.7325	4	10	E	W
1997 JP_{11}	15.0	970422	329.71	192.41	67.01	2.96	0.1171	2.8776	26	12		W
1997 JU_{11}	16.5	970422	6.70	127.54	80.79	1.06	0.2368	2.4989	4	10		W
1997 JV_{11}	15.0	970422	345.28	161.65	82.44	2.95	0.2255	2.9005	4	11		W
1997 JX_{11}	16.5	970422	323.03	214.57	62.08	4.92	0.2338	2.2368	4	11		W
1997 JA_{12}	16.5	970422	0.08	133.85	86.39	1.84	0.2071	2.6671	4	14		W
1997 JC_{12}	16.5	970422	5.49	144.43	66.60	3.83	0.2285	2.6390	4	10		W
1997 JF_{12}	14.5	970422	352.35	30.22	201.48	1.22	0.0876	3.0371	26	12		W
1997 JG_{12}	16.0	970422	11.01	133.81	65.50	2.51	0.2932	2.8226	4	10		W
1997 JK_{12}	17.0	970422	358.02	39.85	182.06	2.28	0.1809	2.1491	4	10		W
1997 JL_{12}	17.0	970422	23.97	115.19	67.17	2.52	0.2185	2.2713	4	10		W
1997 JM_{12}	16.0	970422	24.46	120.16	64.97	1.42	0.1871	2.3995	4	11		W
1997 JN_{12}	15.5	970422	358.09	158.05	65.15	4.27	0.2240	2.5326	4	11		W
1997 JQ_{12}	15.5	970422	23.79	92.58	97.23	1.34	0.1535	2.7586	4	10	E	W
1997 JR_{12}	15.0	970422	347.94	145.24	92.49	1.32	0.1295	2.6376	4	11	E	W
1997 JS_{12}	14.5	970422	357.52	78.43	147.94	0.61	0.0994	3.0637	4	11	E	W
1997 JT_{12}	15.5	970422	63.26	310.55	192.42	1.74	0.1426	2.2931	4	11	E	W
1997 JU_{12}	14.0	970422	55.66	103.49	60.41	3.03	0.0417	2.9351	4	10	E	W
1997 JW_{12}	16.0	970422	13.36	336.42	224.21	22.60	0.1872	2.2425	4	14		W
1997 JY_{12}	15.0	970422	330.07	211.30	49.83	10.94	0.1338	2.6698	4	14	E	W
1997 JA_{13}	16.0	970422	327.74	103.85	156.26	2.54	0.0997	2.2675	4	11	E	W
1997 JB_{13}	14.0	970422	355.07	84.21	145.38	0.95	0.0848	3.1756	4	10	E	W
1997 JC_{13}	14.5	970422	81.34	66.10	54.64	6.93	0.1871	2.7167	4	14	E	W
1997 JD_{13}	16.0	970422	342.02	182.02	63.33	4.68	0.1349	2.5096	4	10	E	W
1997 JG_{13}	14.5	970422	176.62	357.16	49.10	9.62	0.1241	2.2321	4	10	E	W
1997 JH_{13}	15.0	970422	357.78	173.27	52.11	6.80	0.1438	2.6386	4	15	E	W
1997 JJ_{13}	15.5	970422	316.90	201.93	82.32	3.15	0.2147	2.2304	4	11		W
1997 JK_{13}	16.5	970422	11.95	140.07	61.83	4.78	0.2401	2.8242	4	11	E	W
1997 JM_{13}	17.5	970422	358.18	109.02	114.07	0.94	0.1533	2.1732	4	14	E	W
1997 JN_{13}	15.5	970422	28.59	34.19	147.12	2.39	0.1725	2.4130	4	11		W
1997 JO_{13}	15.0	970422	312.33	219.68	56.88	15.18	0.0700	2.6694	4	11	E	W
1997 JP_{13}	14.5	970422	332.18	47.53	210.92	7.69	0.1155	2.9242	4	11	E	W
1997 JQ_{13}	14.5	970422	23.00	129.70	60.21	7.81	0.1863	3.1915	4	10	E	W
1997 JR_{13}	15.0	970422	11.83	9.58	192.58	5.33	0.2535	3.1639	4	11	E	W
1997 JT_{13}	15.0	970422	13.21	116.77	90.33	2.88	0.0620	2.2560	4	11		W
1997 JU_{13}	16.5	970422	16.43	120.86	71.25	1.00	0.2687	2.4925	4	10		W
1997 JW_{13}	15.0	970422	32.10	109.89	70.03	3.96	0.1471	2.4946	4	11		W
1997 JX_{13}	15.5	970422	26.93	107.99	82.09	2.97	0.0843	2.1775	4	11		W
1997 JY_{13}	14.0	970422	160.33	286.61	131.83	1.48	0.1877	2.3194	4	11		W
1997 JA_{14}	16.0	970422	2.25	15.62	202.78	3.70	0.1833	2.4207	4	15		W
1997 JB_{14}	14.5	970422	0.53	157.30	65.41	7.00	0.1537	2.9426	4	10	E	W
1997 JC_{14}	13.5	970512	269.06	153.40	195.96	10.11	0.2053	2.5490	27	14		W
1997 JD_{14}	13.0	970512	218.55	169.66	208.77	14.03	0.0163	2.5451	28	12		W
1997 JE_{14}	14.0	970512	2.74	155.38	60.78	24.97	0.2059	2.3669	12	15		W
1997 JP_{14}	17.5	970422	352.62	163.58	69.03	2.62	0.1352	2.2013	4	9	E	W
1997 JQ_{14}	16.5	970422	323.59	85.16	192.57	2.91	0.2112	2.4030	4	9	E	W
1997 JS_{14}	14.5	970422	250.01	184.95	178.35	2.78	0.2816	2.5996	4	9	E	W
1997 JT_{14}	15.0	970422	277.08	268.30	61.84	8.89	0.1943	2.3395	4	9	E	W
1997 JE_{15}	15.5	970422	33.63	29.91	147.69	2.64	0.1935	3.0066	4	9	E	W
1997 KA	12.5	970512	326.76	62.06	254.43	12.92	0.1511	2.6593	12	14		W
1997 KC	14.0	970512	352.08	140.75	98.16	14.44	0.2001	2.4401	12	40		W
1997 KD	14.0	970601	71.68	36.69	89.58	13.86	0.2098	2.6170	10	9		W
1997 KG	14.0	970601	227.74	289.09	95.28	3.37	0.0881	2.8796	13	19		M
1997 KX	14.0	970512	15.03	133.26	80.62	18.21	0.1387	3.1165	29	15		W
1997 KW_1	15.5	970601	285.09	160.70	167.98	13.44	0.0724	2.9647	12	9		W
1997 KA_2	16.5	970601	67.72	27.79	117.44	16.95	0.2825	3.0585	12	8		W
1997 KM_2	16.5	970601	64.39	299.34	226.03	14.77	0.0998	2.9780	9	8	E	W
1997 KN_2	17.5	970601	336.12	103.20	171.26	3.46	0.1614	2.7408	12	9		W
1997 KU_2	14.0	970512	69.80	26.18	130.73	13.82	0.1124	2.5965	36	17		W
1997 KA_3	16.0	970601	193.69	265.26	193.45	7.30	0.0823	2.2075	7	8		W
1997 KB_3	17.0	970601	306.89	165.67	194.54	6.31	0.1997	2.1988	10	9		W
1997 KE_3	16.0	970601	255.33	144.98	221.27	12.45	0.2097	2.6872	12	9		W
1997 KO_3	15.5	970601	110.93	27.79	93.24	8.76	0.0753	2.9222	11	9		W
1997 KQ_3	15.0	970601	176.54	311.48	113.91	6.22	0.0087	2.7117	11	9		W

1997 KW_3	17.5	970601	275.52	230.69	119.15	4.54	0.2005	2.3253	12	9	W
1997 KM_4	14.0	970512	93.98	334.19	157.21	16.50	0.0496	3.1953	2	9 E	W
1997 LC	14.5	970601	280.25	158.27	186.43	1.75	0.1001	2.8663	8	11	M
1997 LF	18.0	970601	302.04	163.44	161.45	6.53	0.2043	2.2330	7	9	W
1997 LG	17.5	970601	277.17	191.41	153.39	7.19	0.1567	2.2400	7	9	W
1997 LL	15.0	970601	281.51	170.47	171.44	7.53	0.1998	2.4388	6	12	W
1997 LM	14.5	970601	315.33	221.22	83.93	17.31	0.2165	2.8065	6	13	W
1997 LO	16.0	970601	313.34	167.17	125.43	5.73	0.0530	2.4123	6	9	W
1997 LX		970601	172.68	17.70	1.89	11.15	0.0998	2.5410	2	6 E	W
1997 LB_1	14.5	970601	190.34	316.57	97.46	15.90	0.1404	2.9902	13	11	W
1997 LG_1	15.0	970601	312.63	179.14	137.44	10.48	0.2206	2.3116	6	15	W
1997 LJ_1	16.5	970601	345.80	77.91	188.38	9.04	0.1806	2.9124	13	8	W
1997 LK_1	16.5	970601	297.89	176.06	151.34	7.94	0.1768	2.6161	11	9	W
1997 LP_1	16.0	970601	324.47	145.38	146.43	7.12	0.1265	2.2374	14	15	W
1997 LQ_1	16.0	970601	182.71	318.84	103.11	14.63	0.1623	2.6559	11	8	W
1997 LS_1	17.0	970601	53.85	67.83	115.81	9.69	0.0647	2.3436	10	9	W
1997 LU_1	13.5	970601	63.75	335.18	199.82	12.81	0.0605	2.9950	13	14	W
1997 LG_2	13.0	970512	263.43	234.54	103.71	6.84	0.0480	5.3757	41	15	W
1997 LH_2	16.5	970601	146.78	352.81	97.30	6.82	0.0691	2.6616	5	9 E	W
1997 LJ_2	16.0	970601	302.07	221.48	105.41	5.37	0.2415	2.6636	5	9	W
1997 LC_4	16.0	970601	130.12	37.12	78.31	24.13	0.0847	1.9316	6	20	W
1997 LD_4	17.5	970601	52.05	103.15	67.50	25.35	0.2384	2.3536	6	5	W
1997 LE_4	13.5	970601	265.63	99.63	238.02	20.20	0.0746	3.1816	2	9	M
1997 LG_4	15.5	970601	284.56	187.71	152.41	15.93	0.1348	2.8666	6	9	W
1997 LH_4	15.0	970601	74.09	350.70	185.47	14.86	0.0265	2.5948	6	9	W
1997 LX_4	14.0	970601	103.12	238.52	248.00	13.04	0.2294	2.7231	3	13 E	W
1997 LY_4	16.5	970601	336.25	51.18	252.77	8.25	0.2665	1.7854	4	52	W
1997 LA_5	15.5	970601	319.17	224.24	109.60	15.72	0.1401	2.5930	3	11	W
1997 LV_5	17.0	970601	356.04	0.02	284.91	0.38	0.1531	2.2100	2	15 E	W

1997 GX_7 = 1997 GT_{21} (B. G. Marsden)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

(1388) Aphrodite Obs. 54 M 328.21026 ω 259.95856

H 8.9 G 0.15 U 1 Opp. 18 n 0.18798662 Ω 54.73129

rms res. 1″.08 (M–v) 1935–1997 e 0.0966283 i 11.18538

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

(3116) Goodricke Obs. 42 M 241.99704 ω 270.55687

H 12.5 G 0.15 U 2 Opp. 11 n 0.29643730 Ω 80.53955

rms res. 1″.02 (M–v) 1948–1997 e 0.2001175 i 5.47073

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(3643) 1978 UN_2 Obs. 36 M 344.95428 ω 3.70052

H 13.2 G 0.15 U 1 Opp. 8 n 0.26462938 Ω 56.89951

rms res. 0″.94 (M–v) 1963–1996 e 0.1489654 i 13.87835

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

(4136) Artmane Obs. 38 M 18.58357 ω 56.16327

H 13.4 G 0.15 U 2 Opp. 7 n 0.27295108 Ω 155.32808

rms res. 0″.83 (M–v) 1950–1997 e 0.1340701 i 3.24700

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

(4318) Baťa Obs. 44 M 23.85771 ω 101.86061

H 11.6 G 0.15 U 1 Opp. 6 n 0.17060458 Ω 33.51951

rms res. 0″.85 (M–v) 1957–1997 e 0.1083066 i 9.56397

Epoch 1997 June 1.0 TT = JDT 2450600.5 Forti

(4575) Broman Obs. 39 M 30.23570 ω 56.27783

H 11.4 G 0.15 U 1 Opp. 10 n 0.18975663 Ω 149.27787

rms res. 0″.72 (M–v) 1960–1997 e 0.0406844 i 10.91928

(7692)∗ 1981 EZ_{25} = 1955 SD_2 = 1955 TH = 1992 DO

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

Id. S. Nakano (*MPC* 19589)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	82.80182		(2000.0)		**P**	**Q**	
n	0.17231989	ω	32.37479		+0.88768208	−0.45929411	
a	3.1982502	Ω	354.64490		+0.31116476	+0.65070843	
e	0.1956115	i	20.51201		+0.33940687	+0.60467137	
P	5.72	H	12.4	G	0.15	U	2

Residuals in seconds of arc

550922 024	(2.2+	3.1−)	810408 413	0.2+	1.5−	950829 801	0.0	0.2−
551011 760	1.8+	1.8−	810408 413	0.8−	1.4−	950829 801	0.3−	0.3−
551011 760	(5.5+	0.2+)	810409 413	1.0−	0.5+	950830 801	0.0	0.4−
810212 413	0.9−	0.3+	810409 413	1.0+	0.2+	950830 801	0.2+	0.5−
810212 413	0.6−	0.0	810501 413	0.3+	1.6−	950831 809	0.8+	0.3−
810213 413	0.2+	0.8−	810503 413	(0.7−	2.4−)	950920 809	0.5+	0.0
810302 413	0.8−	0.2−	920225 372	1.5−	0.6−	950922 809	0.3+	0.1−
810302 413	0.8+	0.7−	920226 372	(3.5+	4.3−)	950929 809	1.3+	1.6−
810306 413	0.7−	0.1−	920227 372	1.7−	1.3−	951023 801	0.1−	0.2+
810306 413	1.4+	0.3−	920302 809	1.3+	0.6+	951023 801	0.1−	0.3+
810311 413	0.8−	0.2−	920305 809	0.7+	0.3+	951026 801	0.2+	0.2+
810311 413	0.2+	0.2−	920307 809	0.1+	0.0	951026 801	0.1+	0.2+
810315 413	1.3−	0.1+	920404 809	0.2−	0.4−			
810406 413	1.7−	1.2+	950827 809	0.2+	0.7−			

(7693)∗ 1982 WE

Discovered 1982 Nov. 20 by T. Seki at Geisei.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	129.53065		(2000.0)		**P**	**Q**	
n	0.23205028	ω	32.75054		+0.04069640	−0.97958591	
a	2.6226962	Ω	55.65562		+0.85774305	−0.06680190	
e	0.1659914	i	13.79397		+0.51246528	+0.18960209	
P	4.25	H	13.2	G	0.15	U	2

Residuals in seconds of arc

821021 095	1.6+	0.1−	880217 372	0.1+	0.1−	951223 801	0.5+	2.0−
821023 095	(0.7−	4.6+)	880312 372	(3.4−	0.0)	951228 072	0.2+	0.4+
821111 046	0.7+	1.8+	880312 372	1.5+	1.3−	951228 072	0.1+	0.7+
821111 046	2.1−	0.1+	911230 372	(2.1−	5.0+)	960121 801	0.2−	0.6−
821115 046	(5.6−	0.4+)	911230 372	(2.5−	4.4+)	960121 801	0.1+	0.3−
821115 046	1.6−	0.0	920101 801	0.1−	0.2+	960122 072	0.5−	0.2+
821116 046	(6.2−	1.1+)	920101 801	0.1−	0.6+	960122 072	0.3+	0.3+
821116 046	(3.7−	1.7+)	920106 801	0.7−	0.3+	960308 689	0.2+	0.2+
821120 372	(1.7−	2.4+)Y	920106 801	0.7−	0.3+	970503 809	(0.2−	3.5+)
821120 372	1.6−	0.1−	920112 372	(2.9−	3.6+)	970503 809	(1.2−	2.6+)
821120 372	1.1−	1.0+ Y	920112 372	(1.8−	3.6+)	970503 809	(1.0−	2.6+)
821120 046	(0.2+	2.5+)	920128 372	(0.9−	3.1−)	970504 809	(0.2−	4.1+)
821120 046	1.7+	1.7+	920128 372	(5.2+	1.1+)	970504 809	(0.4−	2.3+)

821124	372	1.4−	0.2−	920207	801	0.3−	0.1−	970504	809	(0.5+ 3.8+)
821127	372	0.6−	1.0+	920207	801	0.5−	0.1−	970507	704	0.4+ 0.6+
821127	372	0.8−	1.4−	951120	372	0.8−	0.9+	970507	704	0.2+ 0.6+
821207	372	2.0+	1.9−	951120	372	0.1+	0.8+	970507	704	0.4+ 0.2+
821207	372	0.6+	1.1−	951126	801	0.1+	0.2−	970507	704	0.5+ 0.6+
821209	372	(0.2−	3.0−)	951126	801	0.0	0.1+	970507	704	0.4+ 0.8+
821209	372	1.7+	1.5−	951218	801	0.2+	0.8−	970607	046	0.6− 0.5−
821222	372	0.6−	0.6+	951218	801	0.1+	0.5−	970607	046	0.5− 0.2−
821222	372	0.5+	1.4+	951219	372	0.4+	1.5+	970607	046	0.5− 0.1+
830118	372	1.4+	1.0−	951219	372	0.3+	2.2+			
880217	372	(0.2+	2.5+)	951223	801	0.0	1.3−			

(7694)∗ 1983 SF = 1962 UE = 1984 YY$_3$ = 1996 AM$_1$

Discovered 1983 Sept. 29 by A. Mrkos at Kleť.

Id. K. Kinoshita (*MPC* 26738)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	214.08557		(2000.0)		**P**	**Q**	
n	0.18527088	ω	50.11946		+0.94196440	+0.29123164	
a	3.0474127	Ω	292.36410		−0.33566763	+0.82520320	
e	0.1497453	i	10.40335		+0.00550484	+0.48396674	
P	5.32	H	12.2	G	0.15	U	1

Residuals in seconds of arc

621031	760	0.7+	0.1−	841229	095	0.7−	1.5−	970312	046	0.0 0.3−
621031	760	1.2−	1.1+	941001	675	0.1+	0.3−	970409	046	0.5− 0.2+
830929	046	0.1−	0.7−	941001	675	1.0−	0.4−	970409	046	0.9− 0.3+
830929	046	0.2+	0.7−	960111	114	0.0	0.4+	970409	046	0.7− 0.1+
831001	046	0.7−	0.7−	960111	114	1.1+	0.3+	970602	046	0.4+ 0.8−
831001	046	1.1+	0.9+	960112	114	0.8+	0.3+	970602	046	0.1− 0.3−
831003	046	0.2+	1.0−	960113	114	1.0+	0.9−	970602	046	0.7− 0.5−
831003	046	(1.1−	4.3+)	960114	114	0.2+	0.1−	970604	046	0.6− 0.9−
831005	046	1.8+	0.3−	960116	114	(4.5+	1.2−)	970604	046	0.4− 0.5−
831005	046	0.3+	0.5−	970312	046	0.2−	0.6−	970604	046	0.3+ 0.4−
841227	095	1.0−	0.2−	970312	046	0.1−	0.1−			

(7695)∗ 1984 WA$_1$ = 1991 VF

Discovered 1984 Nov. 27 by A. Mrkos at Kleť.

Id. T. Kobayashi (*MPC* 19497), T. Urata (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	233.68208		(2000.0)		**P**	**Q**	
n	0.28296887	ω	323.00538		+0.90239153	−0.23930015	
a	2.2977897	Ω	54.77867		+0.41749812	+0.69143889	
e	0.2617432	i	26.01917		−0.10669982	+0.68165072	
P	3.48	H	14.0	G	0.15	U	2

Residuals in seconds of arc

841127	046	0.6−	0.1+	911105	885	1.7−	0.3+	960416	046	0.2− 0.4−
841127	046	0.8+	0.5−	911109	691	(2.4−	0.3+)	960416	046	0.3− 0.2−
841128	046	2.3+	1.6−	911109	691	(2.5−	0.7+)	960416	046	0.3+ 0.7−
841128	046	0.0	0.5+	911109	691	(2.4−	0.4+)	960419	046	0.0 1.8+
841130	046	0.6−	1.0−	911111	894	0.0	0.0	960419	046	0.1+ 0.9−
841130	046	2.2−	0.4+	911111	894	0.8−	1.6−	960419	046	0.1− 0.3+
841212	046	2.3+	0.8−	911112	894	0.2−	0.3−	960419	046	0.3+ 1.0+
841212	046	0.7+	0.7+	911112	894	(2.5−	2.2+)	970410	046	0.4− 0.9+
911102	400	0.6+	0.9−	911204	675	0.6−	0.1−	970410	046	0.6− 0.7+
911102	400	0.6+	0.9+	911204	675	0.4+	0.1−	970410	046	0.7− 0.8+
911103	675	(4.1−	3.2+)	911206	675	0.3−	0.5−	970507	704	0.8+ 0.3+
911103	885	0.3+	0.3−	911206	675	(1.6+	4.9−)	970507	704	1.1+ 0.2+
911103	885	1.4−	1.3+	911207	675	0.1−	1.3+	970507	704	0.3+ 0.6+
911104	675	0.0	0.4+	911207	675	0.9+	1.3+	970507	704	0.7+ 0.4+
911104	675	1.1−	1.9+	960223	046	0.1+	1.2−	970605	046	0.6− 0.3−
911104	385	1.1+	0.8−	960223	046	0.0	0.6−	970605	046	1.0− 0.7−
911104	385	(2.2−	1.2+)	960223	046	1.0+	0.5−	970605	046	0.7− 0.9−
911104	400	0.5+	0.3+	960225	046	0.1+	0.4+	970607	046	0.0 0.3−
911104	400	0.5+	0.6−	960225	046	0.6−	0.3+	970607	046	0.2+ 0.7−
911105	885	1.2−	0.6+	960225	046	0.2−	0.6+	970607	046	0.5+ 0.2−

(7696)∗ 1988 JD = 1988 KO = 1996 AD$_1$

Discovered 1988 May 10 by W. Landgraf at the European Southern Observatory.

Id. S. Nakano (d, *MPC* 13845), K. Ichikawa (*MPC* 26739)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	127.06307		(2000.0)		**P**	**Q**	
n	0.21948102	ω	344.77538		−0.17630385	−0.98265258	
a	2.7218952	Ω	115.35113		+0.90963112	−0.18498290	
e	0.0332065	i	3.65058		+0.37614914	−0.01323739	
P	4.49	H	13.6	G	0.15	U	1

Residuals in seconds of arc

880510	809	2.0−	0.6−	940911	675	0.5+	1.0+	970411	704	0.4− 0.1+
880510	809	0.7−	0.5−	940911	675	0.7+	0.7+	970507	704	0.1+ 0.8+
880510	809	0.5−	0.3+	960112	411	0.2+	0.5+	970507	704	0.5+ 1.1+
880516	809	1.1+	1.6−	960112	411	0.2−	1.3+	970507	704	0.0 0.9+
880516	809	0.5+	0.6−	960113	411	0.0	0.7−	970507	704	0.2+ 1.0+
880516	809	0.2+	1.5+	960113	411	0.7+	0.6−	970527	910	0.3− 0.5+
880517	809	0.5+	0.7−	960118	411	0.5−	0.4+	970527	910	0.3− 0.3+
880517	809	0.2−	0.8−	960118	411	0.4−	0.0	970527	910	0.2+ 0.3+
940905	691	0.8−	0.3+	960127	411	0.0	0.2+	970529	910	0.1+ 0.0
940905	691	0.6−	0.0	960127	411	0.4+	0.4+	970529	910	0.1+ 0.0
940905	691	0.6−	0.1−	970411	704	1.3+	0.4−	970529	910	0.1+ 0.1+

(7697)∗ 1989 AE = 1950 TP$_1$ = 1980 TB$_6$ = 1991 RA$_{12}$

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

Id. K. Kinoshita (*MPC* 23779)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	116.77124		(2000.0)		**P**	**Q**	
n	0.26239488	ω	125.85337		+0.49698683	−0.86677679	
a	2.4163832	Ω	294.29577		+0.78084677	+0.46744392	
e	0.1919642	i	2.59440		+0.37852663	+0.17376473	
P	3.76	H	14.0	G	0.15	U	1

Residuals in seconds of arc

501013	024	0.4−	0.6+	890112	897	0.1+	0.8+	910907	809	0.2+ 0.1−
801008	095	(3.3−	0.2−)	890116	897	(28.2−	1.1−)	950818	596	0.1− 0.0
890103	897	0.1−	0.8+	890116	897	(19.9−	3.4−)	950818	596	0.4− 0.3+
890103	897	1.1+	0.1+	910904	809	0.2+	0.0	951118	801	0.1− 0.0
890104	399	1.0+	0.7−	910904	809	0.1−	0.4−	951118	801	0.1− 0.1−
890104	399	1.5−	0.6−	910904	809	0.3−	0.4−	951121	801	0.1+ 0.1−
890104	399	1.0−	0.3+	910905	809	0.3+	1.0−	951122	801	0.1+ 0.8−
890104	399	1.4−	0.7+	910905	809	0.4+	0.2−	970310	689	1.2− 1.4+

890105	897	0.5−	0.1+	910905	809	(3.7+	1.0−)	970315	327	0.1−	0.7−
890105	897	0.5−	0.4−	910906	809	0.7+	0.3−	970315	327	0.1+	0.7−
890106	399	1.2+	1.5−	910906	809	0.5+	0.7+	970315	327	0.3−	0.7−
890106	399	0.5+	0.6−	910906	809	0.5+	0.1+	970605	568	1.0+	0.3−
890112	897	1.3+	0.6−	910907	809	0.7−	1.0−	970605	568	0.4−	0.4−

(7698)∗ 1989 AS$_6$ = 1991 TY$_{13}$ = 1993 FH$_{53}$

Discovered 1989 Jan. 11 by F. Börngen at Tautenburg.

Id. G. V. Williams (*MPC* 23670)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	80.93192		(2000.0)		**P**	**Q**	
n	0.26349870	ω	8.83117		−0.66313734	−0.74694758	
a	2.4096302	Ω	122.72462		+0.68319092	−0.63030300	
e	0.1546334	*i*	3.28091		+0.30577613	−0.21163046	
P	3.74	*H*	15.3	*G*	0.15	*U*	2

Residuals in seconds of arc

890111	033	0.7+	0.2−	930317	809	0.1+	0.1−	970407	809	0.8+	0.6+
890111	033	0.6+	0.2+	930318	809	1.7−	0.3−	970407	809	0.8+	1.2+
890114	033	0.5+	0.0	930320	691	2.0−	0.1+	970407	809	0.4+	0.2+
890202	033	0.8+	0.1+	930320	691	1.9−	0.0	970411	704	0.6+	0.2−
890203	033	0.8+	0.3+	930320	691	2.1−	0.1+	970411	704	0.0	0.1−
890205	033	0.8+	1.4+	951023	033	(5.1−	2.1+)	970430	704	0.6−	1.6+
911004	691	0.4−	1.0+	951024	033	0.2−	1.4+	970430	704	1.4+	0.5+
911004	691	0.7−	0.8+	970406	704	0.7+	0.5−	970430	704	1.4+	1.0+
911004	691	1.3−	0.4−	970406	704	0.0	0.5−	970430	704	1.1+	0.1+

(7699)∗ 1989 CB$_4$ = 1993 FN$_{84}$ = 1995 UR$_7$

Discovered 1989 Feb. 2 by A. Mrkos at Kleť.

Id. S. Nakano (*MPC* 26167)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	119.48936		(2000.0)		**P**	**Q**	
n	0.26652471	ω	288.01164		−0.07947301	−0.99656608	
a	2.3913569	Ω	166.48333		+0.94806940	−0.08276729	
e	0.1667733	*i*	5.70645		+0.30797477	−0.00237347	
P	3.70	*H*	14.0	*G*	0.15	*U*	2

Residuals in seconds of arc

890202	046	0.3+	0.6−	951027	399	1.0+	0.1+	960116	046	0.0	0.8+
890202	046	0.2+	0.5+	951027	399	0.2−	1.7−	970406	704	0.4+	0.7−
890203	046	1.5−	0.2−	951028	399	0.1−	0.1−	970406	704	1.3+	0.7−
890203	046	0.1−	1.0+	951028	399	0.8−	0.2−	970410	046	0.5−	0.3−
890207	046	0.4+	0.7−	951116	399	1.1−	0.3−	970410	046	0.5−	0.2−
890207	046	0.3+	0.3−	951116	399	0.0	0.9−	970410	046	0.1−	0.4−
910917	675	0.5+	0.3+	951117	399	1.6−	0.3−	970605	046	0.1−	0.2+
930319	809	(3.6−	2.2−)	951117	399	0.3+	0.7+	970605	046	0.4−	0.1+
930319	809	(2.8+	2.6−)	960115	046	1.2+	0.1+	970605	046	0.6−	0.3+
930320	400	0.3+	0.2−	960115	046	1.5+	0.0	970607	046	0.1+	0.2−
930320	400	(1.2+	5.0−)	960115	046	0.9+	0.0	970607	046	0.3−	0.3−
930323	809	0.5+	0.7+	960116	046	0.0	0.6+	970607	046	0.4−	0.3+
930416	413	(2.9+	1.1−)	960116	046	0.1+	0.5+				

(7700)∗ 1990 TE$_8$ = 1992 EU$_{20}$

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

Id. T. Kobayashi (*MPC* 23975)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	77.25860		(2000.0)		**P**	**Q**	
n	0.22504852	ω	92.58550		−0.87779065	−0.47688703	
a	2.6768165	Ω	58.93576		+0.41575323	−0.80547995	
e	0.0761559	*i*	3.03902		+0.23797654	−0.35182496	
P	4.38	*H*	13.5	*G*	0.15	*U*	1

Residuals in seconds of arc

901013	033	0.3−	0.2−	960114	113	0.8+	0.3−	960207	113	0.4−	0.8−
901013	033	0.6+	0.1+	960116	113	0.3−	0.4−	960207	113	(0.8+	2.4−)
901014	033	0.1+	0.1−	960116	113	0.0	0.6−	970507	134	0.6+	0.3+
901018	033	0.3−	0.8+	960117	113	(2.7+	1.8+)	970507	134	0.2+	0.7+
920302	809	0.9+	0.7+	960117	113	1.2−	0.5+	970507	134	1.1+	0.6+
920305	809	1.0−	0.2+	960122	113	0.2−	1.2−	970528	816	0.0	0.0
920404	809	0.2+	0.2−	960122	113	0.7+	0.2+	970528	816	0.1−	0.0
941101	033	0.5+	0.2−	960126	292	(2.2+	0.7−)	970528	816	0.2−	0.0
941101	033	0.9−	0.0	960126	292	0.7+	0.2+	970528	816	0.1−	0.0
951230	292	0.9+	0.9+	960130	113	1.1−	0.2−	970604	824	0.4−	0.7−
951230	292	1.5+	0.1−	960130	113	0.3−	0.1+	970604	824	0.5−	0.5−
960114	113	0.5+	0.2−	960206	113	1.7−	0.6+	970604	824	0.5−	0.4−
960114	113	0.0	0.2+	960206	113	(2.4+	0.1−)				

(7701)∗ 1990 TX$_8$ = 1992 EY$_{19}$

Discovered 1990 Oct. 14 by A. Mrkos at Kleť.

Id. T. Kobayashi (*MPC* 23975)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	182.13737		(2000.0)		**P**	**Q**	
n	0.22385699	ω	0.84389		+0.93440270	−0.35566404	
a	2.6863068	Ω	20.02562		+0.32648323	+0.83276366	
e	0.2455894	*i*	3.32588		+0.14247910	+0.42427325	
P	4.40	*H*	14.3	*G*	0.15	*U*	2

Residuals in seconds of arc

900925	809	0.6−	1.8−	901015	046	0.4−	1.0−	960114	046	1.9−	0.1+
900925	809	0.5−	1.7−	901015	046	(3.7−	0.4+)	960224	046	0.6+	0.4−
900925	809	0.0	1.6−	901015	095	(0.1−	2.5−)	960224	046	0.1+	0.7−
900926	809	0.0	1.1+	901015	095	1.3−	1.1−	960224	046	1.5+	0.2−
900926	809	0.7+	1.3+	920301	809	0.5−	0.8+	960225	046	1.2+	0.5−
900926	809	1.3+	1.3+	920304	809	1.0+	0.2+	960225	046	0.1+	0.5−
900928	809	0.8−	0.1+	960112	046	0.3−	0.1+	960225	046	0.0	0.6+
900928	809	0.1+	0.5+	960112	046	0.1+	0.1+	970430	691	0.5−	0.5+
900928	809	1.1+	0.9+	960112	046	0.3−	0.1+	970430	691	0.5−	0.4+
900929	809	0.4−	0.8+	960112	046	0.2−	0.1+	970430	691	0.8−	0.6+
900929	809	0.0	1.0+	960112	046	0.1+	0.7+	970530	696	1.3+	0.4−
900929	809	0.4+	1.2+	960112	046	0.2+	0.0	970531	696	0.9+	0.5−
901014	046	(5.4−	1.8+)	960114	046	0.2−	0.2−				
901014	046	(4.0−	0.5−)	960114	046	0.5−	0.0				

(7702)∗ 1991 PO$_{13}$ = 1988 VN$_6$

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

Id. G. V. Williams (*MPC* 20508)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	251.68988		(2000.0)		**P**	**Q**	
n	0.28695765	ω	334.84430		+0.80293077	+0.59582496	
a	2.2764468	Ω	348.53624		−0.53123971	+0.70223797	
e	0.1837312	i	4.95586		−0.27034523	+0.38968507	
P	3.43	H	14.3	G	0.15	U	2

Residuals in seconds of arc

500814	675	1.0+	0.2−	910904	691	0.0	0.4−	970305	691	0.3−	0.3+
500814	675	0.5−	0.9−	910912	675	0.4+	0.2−	970310	691	0.9−	0.1−
881103	033	0.0	0.1+	910912	675	1.6+	0.8−	970310	691	1.2−	0.0
881104	033	0.1+	0.1−	910916	095	1.9−	0.2+	970310	691	0.8−	0.2−
881104	033	0.1+	0.9+	910916	095	1.3−	1.3−	970529	696	0.4+	0.2−
910805	675	(0.2− | 3.1+)	970207	327	0.9+	0.0	970529	696	0.2+	0.2−
910808	675	0.4+	1.6+	970207	327	1.0+	0.7+	970529	696	0.3+	0.3−
910808	675	0.2−	1.8+	970207	327	1.0+	0.4+	970601	696	0.3+	0.3−
910904	691	0.3+	0.3−	970305	691	0.6−	0.1−	970601	696	0.3+	0.3−
910904	691	0.4+	0.1−	970305	691	0.4−	0.1+	970601	696	0.2+	0.2−

(7703)∗ 1991 RW

Discovered 1991 Sept. 7 by E. F. Helin at Palomar.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	261.69474		(2000.0)		**P**	**Q**	
n	0.28148985	ω	140.93559		+0.62182853	+0.77863430	
a	2.3058314	Ω	166.78064		−0.77850692	+0.62624037	
e	0.1800625	i	21.55385		−0.08518367	−0.03939067	
P	3.50	H	14.6	G	0.15	U	2

Residuals in seconds of arc

910907	675	0.6+	1.0−	911010	675	0.5−	0.5−	951122	608	0.2−	0.3+
910907	675	0.9−	1.2−	911010	675	0.9−	0.2+	951209	608	0.1+	0.2−
910909	675	1.9+	0.8−	911012	675	0.9−	0.0	951209	608	0.2−	0.4−
910909	675	0.7−	0.5−	911012	675	0.6−	0.9−	970220	608	0.6+	0.8−
910914	675	0.1−	0.3−	940609	675	0.7−	1.4+	970220	608	0.7+	0.6−
910914	675	0.1−	0.6−	940609	675	0.5−	0.2−	970221	608	0.2−	1.0−
910915	675	1.1+	0.9−	940612	675	1.1+	0.6−	970221	608	0.5−	1.2−
910915	675	0.1+	0.2−	940612	675	0.2−	1.1+	970529	696	0.2+	1.4−
910916	675	0.8−	0.3+	951121	608	0.1−	0.6+	970529	696	0.1+	1.4−
910916	675	0.7−	0.3−	951121	608	0.4−	0.4+	970529	696	0.0	1.4−
910917	675	1.3+	0.1−	951121	608	0.1−	0.4+				
910917	675	1.4+	1.6+	951122	608	0.3+	0.6+				

(7704)∗ 1992 EB$_7$ = 1990 WG$_4$

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

Id. G. V. Williams (*MPC* 23783)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	327.28293		(2000.0)		**P**	**Q**	
n	0.22782778	ω	186.58842		+0.13398812	+0.98408001	
a	2.6550025	Ω	91.15708		−0.90379583	+0.16967451	
e	0.0595506	i	6.70673		−0.40644837	−0.05288761	
P	4.33	H	13.8	G	0.15	U	2

Residuals in seconds of arc

901114	675	0.3+	0.1+	960229	608	0.5−	1.5−	970503	809	(4.2+ | 2.1+)
901114	675	0.3+	1.2−	960311	608	0.1+	0.2−	970503	809	(5.2+ | 2.2+)
901116	809	(0.8+	3.1−)	960311	608	1.1+	0.0	970503	809	(4.8+	1.1+)
901117	809	(2.3+ | 3.7−)	960418	704	0.3+	0.4−	970504	809	0.2+	0.8−
920301	809	0.6+	0.5+	960418	704	0.7+	0.2+	970504	809	0.3+	1.1−
920304	809	0.3−	0.8+	960418	704	(2.2+ | 1.2+)	970504	809	0.5+	0.3−
920309	809	0.3+	0.5+	960418	704	1.1−	0.8+	970605	691	0.3−	0.2−
920404	809	0.0	0.6+	960419	704	0.7+	0.1−	970605	691	0.4−	0.2−
951123	691	1.2−	0.2−	960419	704	0.7+	0.2+	970605	691	0.4−	0.1+
951123	691	0.9−	0.5−	960419	704	0.4+	0.1−	970610	691	0.4−	0.1−
951123	691	1.1−	0.4−	960419	704	0.4+	0.0	970610	691	0.3−	0.1+
960229	608	0.8−	1.0−	960419	704	1.0+	0.8+	970610	691	0.2−	0.2−

(7705)∗ 1993 FU$_7$

Discovered 1993 Mar. 17 at the European Southern Observatory in the course of the Uppsala-ESO Survey of Asteroids and Comets.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	291.51396		(2000.0)		**P**	**Q**	
n	0.26873796	ω	223.84819		+0.79362516	+0.60563211	
a	2.3782091	Ω	98.78884		−0.54076893	+0.74589477	
e	0.2299490	i	3.36700		−0.27879756	+0.27721965	
P	3.67	H	15.0	G	0.15	U	2

Residuals in seconds of arc

930317	809	0.5+	0.9−	940911	675	0.6−	0.2+	970406	704	0.0	0.6+
930318	809	1.4+	0.5−	940911	675	0.4+	0.4+	970407	704	0.3−	0.2−
930319	691	0.5−	0.6−	941104	675	1.1−	0.9−	970407	704	0.8+	0.9−
930319	691	0.8−	0.1+	941104	675	1.1+	0.5+	970408	704	0.4+	0.2+
930319	691	0.4−	0.0	951227	691	0.2+	0.2+	970408	704	0.1−	0.6+
930323	809	0.7+	0.5+	951227	691	0.2−	0.2+	970609	684	0.6−	0.2−
930414	691	0.5−	0.4−	951227	691	0.1+	0.2+	970609	684	1.0−	0.3−
930414	691	0.6−	0.2+	970402	704	1.0+	0.1−	970609	684	0.8−	0.2−
930414	691	0.2−	0.3+	970402	704	1.3+	1.3+				
930416	413	(0.3− | 2.2+)	970406	704	0.3−	0.5+				

(7706)∗ 1993 FZ$_{36}$ = 1989 CF$_7$ = 1991 RA$_9$

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

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

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	131.43294		(2000.0)		**P**	**Q**	
n	0.26652730	ω	47.31975		+0.06275098	−0.99758368	
a	2.3913414	Ω	39.11228		+0.90129666	+0.04381209	
e	0.1681205	i	2.70921		+0.42863347	+0.05391941	
P	3.70	H	14.0	G	0.15	U	1

Residuals in seconds of arc

890207	400	0.6+	0.7−	930320	809	0.1−	0.4+	951125	072	1.6−	0.9+
890207	400	(1.1− | 6.1+)	930324	809	0.8−	0.5−	951225	801	0.7+	1.4−
910911	675	0.3+	0.8−	930421	413	0.5−	1.0+	951225	801	0.3+	0.3−
910911	675	1.1−	0.4−	951025	033	1.3−	0.1−	970411	704	0.1−	0.1−
910913	675	0.5−	0.2+	951025	033	1.4+	0.1−	970411	704	0.5−	0.3+
910913	675	0.2+	1.2+	951026	033	0.5−	0.3+	970507	704	0.7+	0.1+
910914	675	0.4+	0.4−	951123	801	0.3+	0.2+	970507	704	0.6+	1.0−
910914	675	0.6+	1.1−	951123	801	0.4+	0.0	970507	704	0.5+	0.2−
910916	675	0.4+	0.1+	951125	801	0.3+	0.1−	970507	704	0.1−	0.3+

910916	675	0.3−	0.5+	951125	801	0.3+	0.2−
930319	809	0.2−	0.4+	951125	072	0.4−	1.2+

(7707)∗ 1993 HM_1 = 1989 NC_1

Discovered 1993 Apr. 17 by C. W. Hergenrother at the University of Arizona's Catalina Station.

Id. G. V. Williams (*MPC* 22243)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	347.06008		(2000.0)		**P**		**Q**
n	0.22831869	ω	76.67090		−0.85259262		+0.48207838
a	2.6511954	Ω	131.73238		−0.51892273		−0.82658320
e	0.1433293	*i*	15.68162		+0.06168497		−0.29044907
P	4.32	*H*	13.6	*G*	0.15	*U*	1

Residuals in seconds of arc

500613	675	0.2+	0.2+	960202	658	0.7+	0.9−	970528	816	0.1+	0.2+
500613	675	0.4+	0.7+	970309	689	1.6+	0.4+	970528	824	0.0	0.5−
880123	675	0.0	1.6+	970310	689	0.0	0.7−	970528	816	0.2+	0.6+
880123	675	1.4−	0.1−	970312	563	0.6−	0.4+	970528	816	0.4+	0.7+
890702	675	0.2−	0.8+	970312	563	0.2−	0.4−	970530	696	0.1+	0.3−
890702	675	0.8−	0.5+	970312	563	1.8+	1.1+	970530	696	0.1+	0.4−
890704	675	0.2+	1.1−	970312	563	0.7+	0.3−	970530	696	0.1+	0.3−
890704	675	1.0+	2.5−	970319	608	0.9−	0.3−	970604	816	0.4+	0.6+
930415	675	(0.2−	2.9−)	970319	608	0.9−	0.2−	970604	816	0.9+	0.3+
930417	693	1.4−	0.5+	970320	608	0.4−	0.7−	970604	816	0.2−	0.1−
930417	693	0.1−	0.2−	970320	608	0.6−	0.6−	970605	816	0.2−	0.3+
930418	693	1.2−	1.9+	970401	608	0.6−	0.8−	970605	816	0.4+	0.7+
930419	675	0.9+	1.1−	970401	608	0.6−	0.7−	970605	816	0.3+	0.2−
930420	675	0.3−	0.9−	970515	696	0.3+	0.2+	970606	824	0.2+	0.6−
930518	693	1.1−	0.0	970515	696	0.5+	0.5+	970606	824	0.1−	0.2−
930518	693	0.8+	1.2+	970515	696	0.2+	0.4+	970606	824	0.2+	0.6−
960202	658	0.2+	1.0−	970528	824	0.2+	0.6−				
960202	658	0.2+	0.2−	970528	824	0.2+	0.7−				

(7708)∗ 1994 GF_9 = 1983 HK = 1983 HU = 1983 JG_1 = 1984 SN_8 = 1991 PS_{13}

Discovered 1994 Apr. 11 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 23531), F. N. Bowman (d, *MPC* 8482)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	279.82272		(2000.0)		**P**		**Q**
n	0.26566351	ω	198.68644		−0.71604381		+0.69777534
a	2.3965221	Ω	25.59665		−0.63448017		−0.63876042
e	0.1524167	*i*	2.62278		−0.29106045		−0.32418314
P	3.71	*H*	13.8	*G*	0.15	*U*	2

Residuals in seconds of arc

551025	675	0.1−	0.3−	921125	691	0.3−	0.1−	940413	399	0.9+	0.7−
551025	675	0.7+	0.7−	921125	691	0.0	0.1−	940413	399	1.4−	1.2−
830416	046	(5.8−	2.3+)	940312	399	1.0−	0.6−	950825	809	0.3+	0.6+
830416	046	(4.3−	6.6+)	940312	399	0.4+	1.6−	950826	809	0.7+	0.0
830418	688	0.4+	0.1−	940314	675	1.2+	0.0	950828	809	0.9−	0.8−
830418	688	0.4+	0.2+	940314	675	0.2+	0.7+	950828	809	0.4+	0.0
830515	095	(1.0+	4.0+)	940402	691	0.9−	0.9−	950829	809	0.7+	0.3+
840921	010	0.1+	0.6−	940402	691	0.9−	0.7−	950901	809	0.3+	0.1+
881007	675	2.1−	1.9−	940402	691	1.3−	0.4−	950918	809	0.4+	0.7−
881007	675	1.4+	1.7−	940403	675	0.4−	0.7−	950919	809	0.7+	0.8−
910806	675	1.6−	0.8−	940403	675	0.2−	0.3−	950919	809	0.8+	0.3−
910806	675	0.9−	1.1−	940404	675	0.7+	0.2+	950920	809	0.1−	0.5−
910810	675	(3.6−	4.3+)	940404	675	0.5+	0.6−	950922	809	1.4+	0.3+
910810	675	0.2+	0.1−	940411	399	1.7−	0.7−	950923	809	0.9+	0.2−
921125	691	0.3−	0.2−	940411	399	(3.1−	0.1−)	950924	809	0.6+	0.0

(7709)∗ 1994 RN_1 = 1994 PP_2 = 1984 SJ_3

Discovered 1994 Sept. 8 by Y. Shimizu and T. Urata at Nachi-Katsuura Observatory.

Id. G. V. Williams (*MPC* 27107)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	296.12517		(2000.0)		**P**		**Q**
n	0.29306307	ω	206.03754		+0.90795796		+0.41417478
a	2.2447190	Ω	129.34586		−0.36863522		+0.86180513
e	0.1863668	*i*	4.73296		−0.19929984		+0.29283300
P	3.36	*H*	14.3	*G*	0.15	*U*	2

Residuals in seconds of arc

840928	688	0.3+	2.0−	940811	675	1.3−	0.8−	960118	327	0.6−	0.2−
840928	688	0.9+	1.8−	940908	905	0.1+	0.5+	970503	596	1.3−	1.3−
841019	071	0.5−	0.5+	940908	905	1.1−	0.9+	970504	596	0.8−	0.8−
841019	071	0.5+	0.4+	940910	905	0.7+	1.4+	970607	385	0.6+	0.7+
940809	675	1.6+	0.8−	940910	905	0.0	0.5+	970607	385	1.1+	0.2−
940809	675	0.1−	0.0	960118	327	0.2+	0.4−				
940811	675	0.6−	0.1+	960118	327	0.1+	0.4−				

(7710)∗ 1994 WT_2 = 1975 XN_3 = 1981 UY_2

Discovered 1994 Nov. 30 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 24575)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	150.18264		(2000.0)		**P**		**Q**
n	0.15627087	ω	27.47994		+0.34944690		−0.93404520
a	3.4136372	Ω	42.18132		+0.83820700		+0.27644938
e	0.0479824	*i*	6.30993		+0.41868353		+0.22613115
P	6.31	*H*	12.3	*G*	0.15	*U*	1

Residuals in seconds of arc

751202	095	0.7−	0.1+	941209	411	0.1−	0.6+	960223	411	0.2−	0.6+
811030	381	0.5+	0.6+	941222	411	0.5−	0.1−	970501	824	(2.2−	0.3−)
811030	381	0.6+	0.0	941222	411	0.3−	0.3+	970501	824	0.7+	0.6−
931015	010	0.8−	0.2−	960124	691	1.3−	0.2+	970501	824	0.0	0.0
931015	010	0.3−	0.7−	960124	691	1.2−	0.4+	970514	691	0.7−	0.3+
931015	010	0.2−	0.2−	960124	691	1.6−	0.4+	970514	691	0.8−	0.2+
941130	411	1.7+	0.4−	960201	411	0.2+	1.0−	970514	691	0.8−	0.2−
941130	411	0.7+	1.1−	960201	411	0.9+	0.5−	970604	824	1.0+	0.7−
941203	411	0.2+	0.8−	960202	411	0.1−	0.2−	970604	824	0.9+	0.5−
941203	411	0.2+	0.1−	960202	411	0.2+	0.1+	970604	824	0.8+	0.5−
941207	411	0.3+	0.6+	960202	411	1.5+	0.2+				
941209	411	0.2−	0.0	960223	411	0.4−	1.0+				

(7711)∗ 1994 XF = 1994 VL_2 = 1951 XT = 1951 YL

Discovered 1994 Dec. 2 by Z. Moravec at Kleť.

Id. G. V. Williams (*MPC* 24576)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	173.83716		(2000.0)		**P**	**Q**	
n	0.18427930	ω	356.10986		+0.53473448	−0.82431511	
a	3.0583347	Ω	61.47267		+0.78088941	+0.39797116	
e	0.2811781	i	12.21636		+0.32290984	+0.40264570	
P	5.35	H	12.9	G	0.15	U	1

Residuals in seconds of arc

511205	711	(3.1+	3.3−)Y	941227	413	0.0	1.2−	960320	046	0.7+	0.2+
511222	711	0.7+	1.9− Y	941227	413	0.3+	0.2−	960320	046	0.8+	0.2+
941103	868	1.1−	0.6−	950119	046	0.8−	0.0	960320	046	0.3+	0.2+
941103	868	0.5−	1.0−	950119	046	0.5−	0.1+	960320	046	0.4+	0.2+
941202	046	1.2−	1.3−	950119	046	0.3−	0.2−	960320	046	0.2+	0.3+
941202	046	0.8+	1.3−	950131	046	0.0	0.2−	960418	046	0.7−	0.8+
941203	046	0.2+	0.3+	950131	046	0.6+	0.2−	960418	046	0.5−	0.2+
941203	046	0.2+	0.0	950131	046	0.2+	0.0	960418	046	0.8−	0.0
941203	046	0.2+	0.1+	950212	046	0.4−	0.7+	960419	046	0.4−	0.5+
941203	046	0.1+	0.2+	950212	046	0.3+	0.1+	960419	046	0.2−	0.5+
941205	046	0.2+	0.1+	950212	046	0.3−	0.6+	960419	046	0.3−	0.5+
941205	046	0.1+	0.2−	950221	046	0.7+	0.0	970403	046	1.1−	1.3−
941205	046	0.1+	0.1−	950221	046	0.5+	0.4+	970403	046	0.5−	0.7−
941206	046	0.4+	0.1−	950221	046	0.3+	0.0	970403	046	1.5−	0.2−
941206	046	0.3+	0.2−	950222	046	0.3+	0.0	970410	046	0.4−	0.8−
941206	046	0.4+	0.3−	950222	046	0.4+	0.1−	970410	046	0.2−	0.5−
941208	046	0.0	0.2−	950222	046	1.4+	0.3+	970410	046	0.4−	0.0
941208	046	0.6+	0.3−	950227	046	0.1−	0.2+	970503	809	1.1+	1.7−
941208	046	0.4+	0.4−	950227	046	0.2−	0.2+	970503	809	0.1−	2.0−
941217	046	0.2+	0.0	950227	046	0.4+	0.2+	970503	809	1.1+	1.6−
941217	046	0.0	0.1−	950403	046	0.7+	1.2−	970504	809	0.7−	1.1−
941217	046	0.1+	0.1+	950403	046	(0.6+	2.5−)	970504	809	0.3−	0.2−
941218	046	0.1−	0.1−	950403	046	0.7−	0.6−	970504	809	1.3−	0.8−
941218	046	0.1−	0.0	960223	046	0.4+	0.2+	970531	046	0.5−	1.0−
941218	046	0.0	0.1+	960223	046	0.7+	0.1−	970531	046	0.6−	1.0−
941224	046	0.6+	0.4+	960223	046	0.4+	0.5+	970531	046	0.1−	0.8−
941224	046	0.1−	0.1−	960225	046	0.4+	0.3+	970602	046	0.2−	0.2−
941224	046	0.0	0.0	960225	046	0.1+	0.5+	970602	046	0.4−	0.5−
941226	413	0.1−	1.9−	960225	046	0.2+	0.3+	970602	046	0.9−	0.3−
941226	413	0.2−	0.8+	960320	046	0.6+	0.1+				

(7712)∗ 1995 TB_1 = 1954 UB_1 = 1991 RX_{26}

Discovered 1995 Oct. 12 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Id. T. Urata (*MPC* 26178)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	126.45961		(2000.0)		**P**	**Q**	
n	0.23974612	ω	254.31297		+0.86976560	−0.48982101	
a	2.5662659	Ω	134.97078		+0.47893681	+0.80870664	
e	0.2367880	i	4.85366		+0.11885844	+0.32568228	
P	4.11	H	13.4	G	0.15	U	2

Residuals in seconds of arc

541022	760	0.4+	1.2−	950929	809	0.4−	0.9+	970207	098	1.0+	0.5+
541022	760	(2.7−	5.0−)	951012	905	0.9−	0.5−	970208	098	0.8−	0.0
910913	675	0.1−	0.7−	951012	905	1.2−	0.3+	970208	098	0.1+	0.0
910913	675	1.7+	1.1−	951012	905	0.5−	0.3+	970213	385	0.1−	0.0
910915	675	0.1+	0.7−	951016	905	1.0−	0.2−	970213	385	0.1−	0.2+
910915	675	0.3+	1.0−	951016	905	0.7−	0.3+	970218	385	1.0+	0.1−
950827	809	0.6+	0.2−	951016	905	1.0−	0.2−	970218	385	0.8−	0.3+
950828	809	0.7+	0.7−	951112	905	0.6−	2.0+	970218	385	0.2+	0.8−
950829	809	1.5+	0.5+	951112	905	0.4−	0.0	970303	385	0.4+	0.4−
950830	809	0.7+	0.1+	951116	905	0.6+	1.3+	970303	385	0.6+	0.4+
950831	809	0.6+	0.4+	951116	905	0.2−	1.3+	970308	385	0.0	0.4−
950831	809	0.1−	0.1−	970207	098	1.4−	0.1−	970308	385	0.2−	0.0

(7713)∗ 1995 YE = 1949 WO_1 = 1987 SZ_{29} = 1997 JT_1

Discovered 1995 Dec. 17 by T. Kobayashi at Oizumi.

Id. G. V. Williams (*MPC* 29924)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	154.00507		(2000.0)		**P**	**Q**	
n	0.25836391	ω	259.56271		+0.49093650	−0.87109172	
a	2.4414518	Ω	161.01718		+0.81459663	+0.45351861	
e	0.1907684	i	2.36753		+0.30889105	+0.18846772	
P	3.81	H	15.2	G	0.15	U	2

Residuals in seconds of arc

491121	675	(2.5−	0.9−)	951217	411	0.3+	1.1+	960109	411	0.6+	0.1−
491121	675	0.6+	0.7−	951217	411	0.4+	0.3−	960109	411	0.1+	0.6+
491121	675	(2.5+	0.2−)	951219	411	0.2+	0.4+	970501	910	1.2+	0.1−
870927	095	1.3+	0.3+	951219	411	0.0	0.3+	970501	910	1.4+	0.1+
911108	691	1.6−	0.9+	951224	411	0.1−	0.5−	970501	910	1.3+	0.2−
911108	691	1.5−	0.4+	951224	411	0.0	0.3−	970502	910	1.0+	0.2−
911108	691	1.5−	0.3+	951226	411	0.3−	0.5+	970502	910	1.0+	0.0
930418	691	2.0−	0.4+	951226	411	0.7+	0.4+	970503	910	1.0+	0.1−
930418	691	2.2−	0.7+	951230	411	1.2+	0.8−	970611	696	0.3−	1.2+
930418	691	2.3−	0.5+	951230	411	0.1+	1.0−	970611	696	0.3−	1.0+

(7714)∗ 1996 CC_1 = 1987 OO_1 = 1994 PW_{21}

Discovered 1996 Feb. 9 at Stroncone.

Id. K. Ichikawa (*MPC* 26909)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	301.16249		(2000.0)		**P**	**Q**	
n	0.28744767	ω	249.67108		+0.80674881	+0.59037000	
a	2.2738590	Ω	74.13771		−0.53202542	+0.74405994	
e	0.1508010	i	1.48285		−0.25710954	+0.31279076	
P	3.43	H	15.1	G	0.15	U	1

Residuals in seconds of arc

870728	010	0.2−	1.2+	960212	589	0.0	0.1+	970503	589	0.4+	0.5+
870728	010	0.5−	1.3+	960212	589	0.2−	0.7+	970503	589	0.8+	0.8−
940812	809	0.2+	1.0−	960212	589	0.3−	0.0	970503	589	0.5−	0.1+
940812	809	0.1+	0.3−	960212	589	1.4+	1.3+	970510	589	1.5−	0.3−
940812	809	0.4−	0.1−	960212	589	0.3+	0.5+	970510	589	0.5+	1.8+
940813	809	0.5+	0.0	960216	589	0.3+	0.1+	970530	589	0.1−	1.3+
940813	809	0.8−	0.3+	960216	589	0.1−	0.7−	970530	589	0.6+	0.8+
940813	809	0.8−	0.5+	960222	589	0.2−	0.2−	970609	589	0.1−	0.9−
940911	675	0.4+	0.3+	960222	589	0.3−	0.3−	970609	589	0.4−	0.4−
940911	675	0.5+	0.3+	960223	589	0.3−	0.0	970609	589	0.2+	0.3−
940930	675	0.1+	0.0	960223	589	0.8−	1.0−	970611	589	0.0	1.7−
940930	675	0.2+	0.2+	960223	589	1.3−	1.1+	970611	589	0.2−	0.6−
960209	589	1.9+	0.9+	960223	589	0.1+	0.3−	970611	589	1.0+	0.1−

960209	589	0.5+	0.2−	960311	589	0.6+	0.4−	970611	589	0.9−	0.6+
960209	589	0.1+	1.5+	960311	589	1.0−	0.1−				

(7715)∗ 1996 CR_7 = 1985 QC_4 = 1988 FY_1 = 1989 OR

Discovered 1996 Feb. 14 by U. Munari and M. Tombelli at Cima Ekar.

Id. G. V. Williams (*MPC* 27112)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	286.11225		(2000.0)		**P**		**Q**
n	0.23553077	ω	189.41280		+0.91294796		+0.38142993
a	2.5967947	Ω	146.95833		−0.35496331		+0.91761194
e	0.1155168	i	15.42704		−0.20131338		+0.11180133
P	4.18	H	13.5	G	0.15	U	2

Residuals in seconds of arc

850819	071	1.1+	1.0+	960215	098	1.2+	0.7−	970503	108	0.5+	1.8−
850819	071	0.7+	2.1+	960216	566	0.1+	0.6+	970527	108	0.5−	0.3+
850819	071	1.3+	1.0+	960216	566	0.4+	0.7+	970527	108	0.2−	0.5+
850820	071	0.4−	0.8+	960216	566	0.2+	0.5+	970530	108	0.7+	0.2−
850821	071	0.6−	0.6−	960224	098	0.4+	2.0−	970530	108	1.5+	0.7+
850821	071	2.3−	0.6−	960224	098	(0.8+ | 2.2−)	970609	824	0.4+	0.2+
880318	675	0.5+	1.3+	960314	098	0.1+	0.4−	970609	824	0.4+	0.4+
880318	675	1.7+	1.8+	960314	098	1.2−	0.3−	970609	824	0.2+	0.3+
880318	033	1.2−	1.0+	960320	098	0.0	0.8+	970609	012	0.0	0.8+
880319	033	0.6−	0.9+	960320	098	0.8−	0.2+	970609	012	0.2+	0.3+
890729	675	(1.9− | 3.1+)	970413	108	1.6−	0.2+	970610	012	0.1−	0.7+
890729	675	(0.2− | 3.0−)	970413	108	0.7−	1.2+	970611	824	0.1−	0.5−
920228	675	1.1+	1.1+	970413	108	0.1−	0.2+	970611	824	0.5−	0.5−
920228	675	0.1+	1.2+	970501	108	1.1+	0.9−	970611	824	0.2−	0.5−
960214	098	1.2−	0.3−	970501	108	0.5−	0.9−	970615	824	1.0−	0.5−
960214	098	0.1+	1.2−	970501	108	0.9+	0.0	970615	824	1.1−	0.8−
960215	098	0.1−	0.3−	970502	108	0.6+	1.9−	970615	824	1.0−	0.8−

(7716)∗ 1996 DA_3 = 1980 TZ_9 = 1987 QK_7 = 1987 RZ_1

Discovered 1996 Feb. 22 by A. Nakamura at Kuma Kogen.

Id. S. Nakano (*MPC* 29925)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	237.35086		(2000.0)		**P**		**Q**
n	0.27806390	ω	186.22819		+0.94113450		−0.33700839
a	2.3247324	Ω	193.55602		+0.31477788		+0.90208433
e	0.1458463	i	6.44001		+0.12321011		+0.26957227
P	3.54	H	13.9	G	0.15	U	1

Residuals in seconds of arc

801015	095	0.6−	0.7+	960129	691	0.6−	0.1+	970505	360	0.2+	0.5+
870831	054	0.4+	0.0	960129	691	0.3−	0.0	970505	360	0.2+	0.2+
870901	095	0.2+	0.2−	960217	691	1.4−	0.3−	970505	360	0.1+	0.3+
930322	809	0.8+	0.8+	960217	691	1.3−	0.1−	970509	360	0.1+	0.0
930326	809	1.2+	1.3+	960217	691	1.1−	0.2+	970509	360	0.1−	0.0
930327	809	1.2+	0.4−	960222	360	0.5+	0.1+	970527	360	0.2+	0.1+
930418	691	1.5−	0.0	960222	360	1.1+	0.1+	970527	360	0.4−	0.3+
930418	691	1.1−	0.1−	960222	360	0.8+	0.0	970531	360	0.5−	0.6−
930418	691	0.7−	0.2+	960228	360	1.1+	0.1+	970531	360	0.5−	0.5−
930418	413	0.8+	1.4−	960228	360	0.7+	0.3−				
960129	691	0.5−	0.1+	960228	360	0.8+	0.1−				

(7717)∗ 1997 AL_5 = 1940 CF = 1973 YV = 1982 FT_1 = 1991 PG_{31}

Discovered 1997 Jan. 7 by T. Kobayashi at Oizumi.

Id. S. Nakano (*MPC* 29634)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	30.29084		(2000.0)		**P**		**Q**
n	0.25956825	ω	157.74651		−0.68202532		−0.72999752
a	2.4338940	Ω	335.18670		+0.65415549		−0.58198103
e	0.2832139	i	6.03245		+0.32698938		−0.35833182
P	3.80	H	13.5	G	0.15	U	1

Residuals in seconds of arc

400202	062	1.2+	0.2+	910814	809	0.0	1.0−	970112	411	0.3−	0.2−
400202	062	1.3−	0.2+	910814	809	0.1−	0.3−	970128	411	0.0	0.4−
400208	119	(4.6+ | 28.7+)X	910814	809	0.6+	0.7−	970128	411	0.0	0.4−
731220	095	0.3+	1.2+	970107	411	0.7−	0.4−	970216	411	0.2+	0.5+
820326	046	0.1−	0.6−	970107	411	0.6−	0.8−	970216	411	0.3+	0.4+
820327	046	1.0+	1.3−	970108	411	0.3−	0.2−	970307	688	0.3+	0.0
820327	046	1.7−	1.2+	970108	411	0.3−	0.1−	970322	327	0.0	0.6+
820327	046	0.5+	0.7+	970109	411	0.1+	0.3−	970322	327	0.0	0.4+
820328	046	0.0	0.6−	970109	411	0.0	0.4−	970322	327	0.2+	0.7+
820328	046	0.4+	0.7−	970112	411	0.1−	0.1−				

(7718)∗ 1997 EP_{30} = 1977 LR = 1978 TE = 1979 YL_5 = 1992 DG_5 = 1993 LY_1

Discovered 1997 Mar. 10 by C. Buil at Ramonville Saint Agne.

Id. G. V. Williams (*MPC* 29930)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	243.60426		(2000.0)		**P**		**Q**
n	0.18570657	ω	212.47566		+0.40878778		+0.88657977
a	3.0426444	Ω	82.46223		−0.78373918		+0.46257567
e	0.1039656	i	12.61386		−0.46759539		−0.00024744
P	5.31	H	11.4	G	0.15	U	1

Residuals in seconds of arc

500422	675	0.9+	0.7+	930614	675	0.2−	0.8−	970316	959	0.2+	0.5−
500422	675	0.5+	0.6+	930617	675	0.7+	1.1−	970317	959	0.2−	0.6−
770612	675	0.4−	0.7+	930620	675	0.6+	0.1+	970317	959	0.5+	0.6−
770613	675	0.3−	0.3+	930620	675	0.1−	1.0−	970327	132	0.7+	0.1+
781003	095	2.0−	0.3+	970310	959	0.0	0.1−	970327	132	0.4+	1.0+
781007	095	1.8+	0.1+	970310	959	0.2+	1.7−	970327	132	0.3+	1.4+
791218	095	0.6−	1.7+	970311	959	0.4−	0.1+	970404	958	0.2−	0.1+
920227	376	1.3−	1.4+	970311	959	0.7−	0.1+	970404	958	0.1−	1.0−
920227	376	0.2−	0.0	970312	959	1.5+	0.6+	970406	958	1.3+	0.7−
930613	675	0.1+	1.1+	970316	132	1.7−	0.1+				
930613	675	0.6−	1.0+	970316	959	0.5−	0.7−				

(7719)∗ 1997 GT_{36} = 1977 EW_6 = 1985 XC_2 = 1989 TN_{17}

Discovered 1997 Apr. 7 by the Lincoln Near-Earth Asteroid Research Team at Socorro.

Id. B. G. Marsden (*MPC* 29935)

1997 GT_{36} = 1977 EW_6 = 1985 XC_2 = 1989 TN_{17}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	160.79272	(2000.0)	**P**	**Q**	
n	0.20314646	ω	253.08332	+0.39404063	−0.91908439
a	2.8659144	Ω	173.70621	+0.85647203	+0.36561795
e	0.0527632	i	2.08168	+0.33344811	+0.14699453
P	4.85	H	14.0	G 0.15	U 1

Residuals in seconds of arc

770312	381	1.8−	0.9+	920429	691	1.4−	0.5+	970407	704	0.8+	0.5−
770312	381	0.7+	0.5−	930622	691	0.9−	0.3+	970407	704	0.5+	0.5−
770314	381	1.0+	0.2−	930622	691	0.9−	0.0	970411	704	(2.5+	0.9−)
770314	381	1.8+	0.7−	930622	691	1.2−	0.3+	970411	704	1.1+	0.7−
770315	381	1.0−	1.0−	930713	809	(3.7+	1.9+)	970411	704	1.3+	0.7−
770315	381	0.0	0.2+	930713	809	(3.3+	1.1+)	970411	704	1.0+	0.3+
851214	675	(60.7+	0.1−)	930713	809	(2.9+	0.7+)	970503	809	1.4−	0.9+
851214	675	(58.4+	1.7+)	941010	691	0.7+	0.2+	970503	809	1.4−	0.1−
891009	809	(2.4+	0.0)	941010	691	0.6+	0.2+	970503	809	(2.2−	0.3−)
891009	809	(2.6+	0.0)	941010	691	0.4+	0.5+	970504	809	0.6−	0.0
891009	809	(2.8+	0.0)	951129	691	0.1−	1.0+	970504	809	1.2−	0.3+
891010	809	(2.6+	1.0+)	951129	691	0.6−	0.3+	970504	809	0.6−	1.4+
891010	809	(2.6+	1.0+)	951129	691	0.1−	0.5+	970507	704	1.8+	0.4−
891010	809	(2.7+	1.0+)	951226	691	0.4−	0.6+	970507	704	2.0+	0.5+
920429	691	1.4−	0.1−	951226	691	0.4−	0.5+	970507	704	1.8+	0.1−
920429	691	1.2−	0.0	951226	691	0.3−	0.4+	970507	704	1.2+	0.2−

(7720)∗ 4559 P-L = 1978 WN$_{17}$

Discovered 1960 Sept. 26 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. E. Bowell (*MPC* 19875)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	100.58855	(2000.0)	**P**	**Q**	
n	0.16833638	ω	183.14188	+0.99963019	+0.02718095
a	3.2485089	Ω	175.30034	−0.02472531	+0.92108736
e	0.1561781	i	0.57566	−0.01131992	+0.38840607
P	5.85	H	14.6	G 0.15	U 1

Residuals in seconds of arc

600926	675	0.1−	0.8−	930321	809	0.5−	0.4+	950918	809	0.6+	0.2+
600927	675	0.2+	0.5+	930322	809	0.7+	0.2+	950919	809	0.3+	0.0
600928	675	0.8+	0.4−	950824	809	0.5+	0.3+	950920	809	0.8−	1.0−
601017	675	0.5−	0.8+	950825	809	0.0	0.2+	950922	809	0.1+	0.2−
601022	675	0.2−	0.5−	950901	809	0.1+	0.5+	950922	809	1.3+	0.5−
601025	675	0.4+	0.3−	950917	809	0.1−	0.0	950923	809	1.5+	0.0
601026	675	0.6−	0.5+	950917	691	1.4−	0.4+	950924	809	1.0+	0.0
781130	675	0.0	0.2−	950917	691	1.7−	0.1+				
781201	675	0.1−	0.5+	950917	691	1.4−	0.4+				

(7721)∗ 6612 P-L = 1990 WF$_6$ = 1990 WH$_7$

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

Id. B. G. Marsden (*MPC* 18303), G. V. Williams (d, *ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	287.43222	(2000.0)	**P**	**Q**	
n	0.23435581	ω	149.18061	+0.78020622	+0.62544855
a	2.6054670	Ω	172.08310	−0.58718711	+0.73760048
e	0.1397393	i	4.00098	−0.21561435	+0.25447915
P	4.21	H	15.0	G 0.15	U 1

Residuals in seconds of arc

550522	675	0.3+	0.3+	901121	809	(7.8−	0.4−)	970507	704	0.1+	0.0
600924	675	0.2−	0.3−	901121	809	1.3−	1.8−	970507	704	0.1+	0.3+
600926	675	0.4−	0.4−	901122	809	1.2+	0.7+	970507	704	0.1+	0.2+
601017	675	0.6+	0.3+	901122	809	0.5−	0.4+	970507	704	0.3−	0.1+
601022	675	1.0−	0.3+	901122	809	0.6−	0.8−	970507	704	0.3−	0.2+
601024	675	0.6+	0.1+	960210	691	0.1−	0.0	970527	910	0.3−	0.0
601026	675	0.1+	0.0	960210	691	0.1−	0.2−	970528	910	0.2−	0.1−
901114	675	0.9+	1.1+	960210	691	0.3−	0.1+	970528	910	0.3−	0.0
901114	675	0.7+	0.7+	970504	809	(3.3−	1.7−)	970529	910	0.3+	0.2−
901117	809	0.0	0.1+	970504	809	(3.2−	2.0−)	970529	910	0.4+	0.4−
901121	809	(6.9−	0.5−)	970504	809	(2.6−	0.9+)	970529	910	0.4+	0.1−

(7722)∗ 2240 T-2 = 1997 GV$_{17}$

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

Id. G. V. Williams (*MPC* 29938)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	20.69512	(2000.0)	**P**	**Q**	
n	0.27335958	ω	174.15737	−0.98267479	+0.18201545
a	2.3513278	Ω	16.45521	−0.17464813	−0.84629864
e	0.0753812	i	7.08482	−0.06203456	−0.50064857
P	3.61	H	14.4	G 0.15	U 2

Residuals in seconds of arc

730919	675	0.7−	0.6−	731005	675	0.6+	0.6−	970403	704	0.1+	1.1−
730919	675	0.5+	1.9−	910917	675	0.6+	0.4+	970403	704	0.3−	0.1+
730920	675	0.1+	1.6−	910917	675	0.2−	0.9+	970405	704	0.3+	0.6−
730924	675	0.1−	0.5−	930128	675	0.8−	1.7−	970405	704	(9.7+	3.8−)
730924	675	0.2+	0.4+	930128	675	0.1+	1.2−	970406	327	0.9−	0.7−
730925	675	1.2+	1.9−	951124	691	0.6−	0.4+	970406	327	1.0−	0.7−
730925	675	2.3+	2.1−	951124	691	0.6−	0.4+	970406	327	1.0−	0.6−
730929	675	1.1+	1.3−	951124	691	0.5−	0.5+	970407	704	0.2+	0.0
730929	675	1.4+	0.3−	970312	809	(2.1+	1.5−)	970407	704	0.2+	0.6−
730930	675	1.0+	0.1+	970312	809	1.7+	1.6−	970407	566	1.0−	0.5−
730930	675	0.4−	0.9−	970312	809	0.6+	1.8−	970407	566	1.3−	0.6−
731004	675	0.4−	0.2−	970313	809	(0.3+	2.6−)	970407	566	1.8−	0.8+
731004	675	0.8−	0.1+	970313	809	(1.6+	2.3−)				
731005	675	0.5+	0.6−	970313	809	(0.9−	2.2−)				

1979 MH$_4$ = 1993 FK$_{51}$ = 1997 LK$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	325.12386	(2000.0)	**P**	**Q**	
n	0.26973742	ω	97.86355	+0.36255377	+0.93183383
a	2.3723308	Ω	193.42514	−0.87921965	+0.33646998
e	0.1550953	i	3.82966	−0.30907534	+0.13591783
P	3.65	H	16.0	G 0.15	U 4

Residuals in seconds of arc

790624	413	0.1+	0.7+	790728	413	1.3+	0.6+	970605	691	0.1−	0.0
790625	413	0.5+	0.8+	790823	675	0.8+	0.8−	970605	691	0.1−	0.2−
790629	413	(2.7+	0.4+)	930319	809	1.2−	0.5−	970610	691	0.0	0.1−
790724	413	1.5−	0.6−	930319	809	0.4+	1.2−	970610	691	0.1+	0.3−
790726	675	0.6−	0.1+	930320	809	0.2−	1.0+	970610	691	0.1+	0.1+
790726	675	(7.2−	0.1−)	930324	809	1.0+	0.7+				
790727	675	0.6−	0.4−	970605	691	0.1−	0.0				

1981 EG$_1$ = 1981 EU$_1$ = 1981 GC$_1$ = 1987 UZ$_9$ = 1989 CT$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	244.84121		(2000.0)		**P**	**Q**	
n	0.23310536	ω	226.12500		−0.37006432	+0.92869819	
a	2.6147763	Ω	22.18912		−0.83315729	−0.32038406	
e	0.0693369	i	3.63102		−0.41097607	−0.18674506	
P	4.23	H	13.0	G	0.15	U	1

Residuals in seconds of arc

810301	809	0.5+	0.2−	810311	809	1.3−	1.1+	890227	888	1.3+	1.0−
810301	809	0.5+	0.1−	810314	809	0.6+	1.5+	890227	888	0.1+	1.1−
810301	809	0.6+	0.3−	810314	809	1.0+	1.2+	910911	675	0.9+	0.9−
810305	809	0.0	0.3+	810314	809	1.5+	1.0+	910911	675	0.1−	0.4−
810305	809	0.1−	0.4+	810315	809	0.4+	0.4−	910913	675	0.1−	0.2+
810305	809	0.4−	0.6+	810315	809	0.6+	0.8−	910913	675	0.3−	0.4−
810307	809	1.5−	0.2+	810315	809	0.7+	0.7−	910916	675	0.1−	1.6−
810307	809	1.5−	0.1−	810316	809	0.0	0.6−	910916	675	0.5−	1.0−
810307	809	1.5−	0.4−	810316	809	0.8+	0.8−	911008	675	1.2+	1.6+
810308	809	0.2+	0.3+	810316	809	1.3+	0.8−	911008	675	0.7−	0.5−
810308	809	0.4+	0.2−	810402	046	(3.5+	0.2−)	940510	675	1.1−	1.7−
810308	809	0.3+	0.7−	810403	046	(6.3+	1.4+)	940510	675	0.5+	0.5+
810309	809	0.2+	0.4−	871027	095	0.2−	1.2+	940608	675	0.8+	0.8+
810309	809	0.6+	0.7−	890202	675	0.2−	0.5+	940608	675	0.3−	0.5+
810309	809	0.7+	1.1−	890202	675	1.1+	0.6+	950919	809	0.0	0.9+
810310	809	1.7−	0.4−	890210	888	(5.2+	3.7+)	950920	809	0.1−	0.9+
810310	809	0.7−	0.4−	890210	888	(3.7+	3.5+)	950926	098	(4.0−	1.6−)
810311	809	1.0−	1.5+	890214	888	0.7−	0.2−	950926	098	(3.0−	2.8−)
810311	809	1.1−	1.4+	890214	888	1.5−	1.0+				

1981 EB$_{25}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	292.24333		(2000.0)		**P**	**Q**	
n	0.19106998	ω	136.83814		+0.71630135	+0.69778023	
a	2.9854359	Ω	178.88968		−0.68230265	+0.70155873	
e	0.2375353	i	11.57568		−0.14620353	+0.14463088	
P	5.16	H	14.0	G	0.15	U	5

Residuals in seconds of arc

810209	413	0.7+	0.6−	810315	413	(2.4+	1.4−)	970407	809	0.3+	1.3+
810212	413	0.8+	1.4−	810405	413	1.0+	0.5−	970407	809	0.8+	0.0
810213	413	0.1+	0.6+	810406	413	(2.7−	2.1+)	970407	809	0.3+	0.3−
810302	413	0.7−	0.2−	810406	413	1.7+	0.9−	970408	809	0.3−	0.9−
810302	413	(2.8+	3.3−)	810410	413	0.7−	0.7+	970408	809	0.9−	0.1+
810306	413	0.5−	0.4+	810410	413	1.6−	0.6+	970408	809	0.2−	0.3−
810311	413	0.3−	0.6+	810426	413	(3.8+	2.6−)				
810315	413	0.4−	0.7+	810501	413	(0.1−	3.6+)				

1981 EB$_{34}$ = 1997 GS$_{32}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	329.59152		(2000.0)		**P**	**Q**	
n	0.31030121	ω	50.20856		−0.38040215	+0.92456909	
a	2.1607959	Ω	197.46985		−0.86897348	−0.36532341	
e	0.0301690	i	4.12447		−0.31651114	−0.10821645	
P	3.18	H	16.5	G	0.15	U	6

Residuals in seconds of arc

810301	413	0.3−	0.3−	810315	413	2.1−	0.4+	970406	327	1.1−	0.1−
810301	413	0.3+	0.1+	970403	704	0.1−	0.5+	970411	704	1.6+	0.9−
810307	413	1.7−	1.6+	970403	704	0.8+	1.1+	970411	704	1.0+	0.0
810307	413	1.3+	0.0	970406	327	1.1−	0.2−				
810311	413	2.4+	2.0−	970406	327	1.0−	0.2−				

1982 VF$_4$ = 1997 JX$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	238.08129		(2000.0)		**P**	**Q**	
n	0.31080215	ω	165.32729		+0.97949414	−0.19985040	
a	2.1584734	Ω	206.24260		+0.17854633	+0.91971821	
e	0.2060734	i	3.30810		+0.09334045	+0.33790268	
P	3.17	H	15.0	G	0.15	U	6

Residuals in seconds of arc

821114	381	0.7−	1.3+	821214	381	0.2+	0.5+	970504	809	0.2+	0.1+
821114	381	0.3+	0.2−	821214	381	0.4+	0.1−	970507	704	0.3−	0.3+
821213	381	0.7−	0.3+	970503	809	1.4+	0.9+	970507	704	0.1−	0.2−
821213	381	1.7+	0.2−	970503	809	0.3+	0.3−	970507	704	0.3−	0.6+
821213	381	1.8−	0.3+	970503	809	0.0	0.4−	970507	704	0.0	0.8+
821214	381	0.5−	0.1−	970504	809	0.3+	0.4−	970507	704	0.1−	0.6−
821214	381	1.2+	1.2−	970504	809	1.2−	0.1+				

1982 WA

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	126.65272		(2000.0)		**P**	**Q**	
n	0.23271896	ω	209.70941		−0.23543353	−0.95511652	
a	2.6176699	Ω	254.40289		+0.92444154	−0.16297982	
e	0.1843833	i	10.75798		+0.29996482	−0.24736615	
P	4.24	H	13.5	G	0.15	U	5

Residuals in seconds of arc

821119	552	0.3+	0.4−	821205	552	0.8−	0.2−	830109	552	0.3−	1.5−
821119	552	0.2−	1.8−	821209	552	0.5−	1.0−	830109	552	0.5−	1.5−
821120	552	0.2−	0.6+	821209	552	0.5−	0.3−	830214	801	0.0	0.8+
821120	552	0.2−	0.4+	821214	552	2.3+	1.4+	970530	552	0.6−	0.2−
821121	552	1.1−	0.2+	821214	552	1.0+	1.5+	970530	552	0.7+	0.1−
821121	552	1.4−	0.0	821216	552	0.6+	2.5+	970606	552	0.1−	1.4−
821205	552	1.5+	1.9−	821216	552	(3.2+	4.5+)	970606	552	(3.0+	0.9−)

1987 QF$_6$ = 1980 PJ$_2$ = 1994 RJ$_{29}$

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	227.80010		(2000.0)		**P**	**Q**	
n	0.28088178	ω	262.70232		+0.27632800	−0.95910616	
a	2.3091581	Ω	170.55285		+0.96097751	+0.27488787	
e	0.3181272	i	21.93118		+0.01284784	+0.06746880	
P	3.51	H	14.5	G	0.15	U	5

Residuals in seconds of arc

800810	809	0.4+	0.6−	870916	809	0.1+	0.4−	940902	675	0.8+	1.4−
870822	675	(0.9− | 3.2−)	870916	809	0.0	0.2−	940902	675	0.1−	0.1+
870822	675	0.7+	3.0+	870916	809	0.2+	0.9+	940930	675	0.1−	0.0
870827	675	2.0−	1.3−	870924	413	0.1+	1.2−	940930	675	0.3−	0.5+
870827	675	(0.6+ | 3.2+)	870924	413	0.3+	0.8+				

1988 UV = 1978 UZ$_3$ = 1997 HT$_9$

Id. R. Nagata (*MPC* 17207), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	166.11518		(2000.0)		**P**	**Q**	
n	0.29196452	ω	206.90882		+0.50776265	−0.85863495	
a	2.2503462	Ω	212.71384		+0.81193961	+0.50418908	
e	0.0979269	i	7.45967		+0.28797771	+0.09240879	
P	3.38	H	15.0	G	0.15	U	4

Residuals in seconds of arc

781028	675	0.4−	0.1+	881019	399	0.6+	0.1+	970501	704	0.1−	0.7+
781029	675	0.4+	0.0	970406	704	0.5−	0.2−	970501	704	0.6−	0.4−
881013	399	(3.0−	1.6−)	970406	704	0.1−	0.3+	970501	704	0.6+	0.1+
881015	399	0.1−	1.0−	970430	704	0.8+	0.3+	970501	704	0.6+	0.4−
881016	399	0.6−	0.4−	970430	704	0.9+	1.0+	970508	327	0.8−	0.2−
881018	399	0.1+	1.7−	970430	704	0.9+	0.5−	970508	327	1.6−	0.0
881018	399	0.2−	1.9+	970430	704	0.3+	0.5+	970508	327	(4.1−	0.0)
881019	399	(2.5+	3.1+)	970430	704	0.4−	0.5−				
881019	399	0.2+	1.1+	970501	704	0.1+	0.4−				

1989 WU$_1$ = 1972 TD$_6$ = 1997 LG$_6$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	346.58909		(2000.0)		**P**	**Q**	
n	0.23643260	ω	110.79991		+0.91671888	+0.37896025	
a	2.5901871	Ω	227.17246		−0.39952436	+0.87156045	
e	0.2790893	i	9.93644		+0.00260257	+0.31108118	
P	4.17	H	13.5	G	0.15	U	4

Residuals in seconds of arc

721006	095	0.1−	0.2+	891201	399	0.6+	0.3+	970613	599	0.6−	0.0
891125	399	2.0−	1.1−	891201	399	(2.6−	0.6+)	970613	599	0.3−	0.2−
891125	399	(4.7−	3.2−)	891202	033	1.0−	0.8+	970613	599	0.2−	0.4−
891125	399	1.6−	1.3−	891203	033	(3.1+	1.4+)	970615	104	0.9+	0.3+
891128	033	(6.3−	1.9−)	891203	033	1.5+	0.6+	970615	104	0.7+	0.2+
891129	033	0.3+	0.8−	891206	399	(4.8+	1.8−)	970615	658	0.1+	0.2−
891129	399	0.8+	0.9+	891206	399	2.1+	0.2+	970615	658	0.1−	0.2−
891129	399	(1.8−	2.8−)	891206	399	(1.4+	3.6+)	970615	658	0.2−	0.1−
891201	399	0.7−	0.4+	970613	599	0.4−	0.4+				

1989 WB$_3$ = 1994 WD

Id. S. Nakano (*MPC* 24562)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	236.32991		(2000.0)		**P**	**Q**	
n	0.19088458	ω	280.64845		+0.96559158	+0.19823724	
a	2.9873686	Ω	68.08394		−0.10275154	+0.88541111	
e	0.0545014	i	10.45378		−0.23890381	+0.42041547	
P	5.16	H	13.0	G	0.15	U	4

Residuals in seconds of arc

891125	888	1.4−	2.2+	941124	411	0.4+	0.7−	941206	411	0.6+	0.2−
891125	888	0.1−	1.7+	941124	411	0.0	0.3+	941206	411	0.6+	1.1−
891202	888	0.5+	0.1−	941125	411	0.5+	0.3−	970407	809	1.2+	0.6+
891202	888	0.3+	0.5−	941125	411	0.2−	0.3−	970407	809	0.6+	1.0+
891204	888	0.1+	0.8−	941125	411	0.2−	0.6−	970407	809	0.5+	0.1−
891204	888	0.2−	0.0	941127	411	0.8−	0.2+	970408	809	1.2−	0.3−
891220	888	(15.3+	17.0−)	941127	411	0.3+	0.9+	970408	809	0.9−	0.9−
891220	888	(11.5+	13.7−)	941206	411	0.2+	1.2−	970408	809	0.7−	1.2−

1990 EL$_2$ = 1997 JZ$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	20.00404		(2000.0)		**P**	**Q**	
n	0.29314070	ω	358.26149		−0.84905466	+0.52544620	
a	2.2443227	Ω	213.62054		−0.48350627	−0.81471967	
e	0.1033488	i	5.68894		−0.21290344	−0.24523079	
P	3.36	H	16.0	G	0.15	U	5

Residuals in seconds of arc

900224	809	0.1+	0.7−	900304	809	0.9−	1.1+	970504	809	(0.1+	2.8+)
900224	809	1.1−	0.2−	900304	809	1.0−	0.7+	970507	704	0.4+	0.6−
900224	809	0.6+	1.2−	970503	809	1.6−	1.2+	970507	704	0.5+	0.5−
900302	809	1.3+	0.0	970503	809	0.7−	0.5+	970507	704	0.1+	0.6−
900302	809	0.7+	0.2+	970503	809	0.4−	0.6+	970507	704	1.8+	0.5−
900302	809	1.0+	0.7−	970504	809	0.0	0.4−	970507	704	0.2+	0.7−
900304	809	0.8−	0.7+	970504	809	0.3−	0.9+				

1990 MF

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	341.94817		(2000.0)		**P**	**Q**	
n	0.42698720	ω	113.81675		+0.81372669	+0.58101194	
a	1.7465974	Ω	210.66914		−0.54439755	+0.75184995	
e	0.4559019	i	1.85968		−0.20366682	+0.31168379	
P	2.31	H	18.5	G	0.15	U	1

Residuals in seconds of arc

900614	413	1.2−	0.6+	900629	413	0.5+	0.4−	901113	675	1.3−	0.4−
900622	413	(1.2−	3.0+)	900629	413	0.3−	0.2−	901113	675	0.8+	1.2−
900622	413	(1.2+	4.4−)	900629	413	0.2−	0.2−	901114	675	0.6−	0.1+
900626	675	0.3−	0.4−	900629	413	0.3−	0.3+	901114	675	1.6+	1.2+
900626	675	0.3−	0.4−	900629	413	0.4−	0.1−	901115	801	0.2−	0.4+
900627	675	(3.6−	3.4−)	900701	474	0.5−	1.5+	901115	801	0.3−	0.2+
900627	675	(3.5−	1.8−)	900701	474	(0.5+	2.4+)	901120	801	0.0	0.0
900628	675	1.2−	0.2+	900701	474	(1.3−	3.2+)	901120	801	0.2+	0.3+
900628	675	(2.9−	1.3−)	900701	474	(0.3−	4.5+)	901207	688	0.6−	0.2−
900628	474	0.1−	0.0	900703	801	0.4+	0.4+	901207	688	0.0	1.2−
900628	474	0.5−	1.6+	900703	801	0.5+	0.6+	970531	696	0.4−	0.4−
900628	474	(2.7−	0.3+)	900703	801	0.0	0.2−	970531	696	0.4−	0.3−
900628	413	(0.5+	2.6−)	900703	801	0.3+	0.2−	970531	696	0.7−	0.3−
900628	413	0.5+	0.9−	900703	801	0.1+	0.0	970601	696	0.3+	0.6−
900629	675	(1.0−	3.1−)	900703	801	0.3+	0.1−	970601	696	0.1+	0.4−
900629	675	(0.9−	2.3−)	900703	801	0.1+	1.4−	970601	696	0.2+	0.7−
900629	568	1.4+	0.1+	900703	801	0.2+	0.1+	970611	696	0.4+	0.8+
900629	568	0.4+	0.3−	900708	657	(1.6+	4.1−)	970611	696	0.4+	0.6+

900629	413	0.3−	0.0	900828	688	0.3+	0.6+	970611	696	0.9+ 0.6+
900629	413	0.1−	0.2−	900828	688	1.0+	0.5−			

1990 OX_2 = 1997 JX_{15}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	286.70263		(2000.0)		**P**		**Q**
n	0.26492172	ω	206.72307		+0.92550287		+0.37661566
a	2.4009936	Ω	131.09384		−0.33728593		+0.86769772
e	0.2365290	i	3.04731		−0.17228651		+0.32444000
P	3.72	H	15.5	G	0.15	U	5

Residuals in seconds of arc

900727	675	1.7+	0.6−	900801	372	1.6−	2.1+	970503	809	0.1+ 0.4+
900727	675	(2.6+	1.0−)	900801	372	1.6−	1.4+	970503	809	1.0+ 0.2−
900730	675	0.2+	0.9−	900815	372	(6.9−	1.9−)	970503	809	0.2− 0.2−
900730	675	1.1+	0.8−	900815	372	(2.8−	0.5+)	970504	809	0.4− 0.5−
900730	372	1.7−	0.5+	900818	372	1.5+	0.1−	970504	809	0.5− 0.1+
900730	372	(2.7−	0.1+)	900818	372	0.9−	0.6−	970504	809	0.0 0.4+
900731	372	1.4+	1.1−	900820	372	(6.0+	3.0−)			
900731	372	(2.8+	0.3+)	900820	372	(7.1+	2.1−)			

1990 QT_1 = 1990 QG_7 = 1997 JD_{18}

Id. A. Lowe (d, *MPC* 17600), B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	296.11984		(2000.0)		**P**		**Q**
n	0.26323704	ω	198.07172		+0.87499312		+0.48268173
a	2.4112267	Ω	133.00776		−0.43761999		+0.82166808
e	0.2205087	i	2.93858		−0.20706467		+0.30311698
P	3.74	H	15.0	G	0.15	U	6

Residuals in seconds of arc

900816	809	0.4+	1.4+	900822	675	0.7−	0.7+	970503	809	0.4+ 0.2−
900816	809	0.2+	0.5+	900825	675	0.2−	1.4−	970503	809	1.0+ 1.4+
900816	809	1.4−	0.6−	900825	675	0.8−	1.2−	970504	809	0.3− 0.8−
900820	809	1.4+	0.2−	900826	809	0.3+	0.7+	970504	809	0.2− 0.5−
900820	809	0.8+	0.1+	900826	809	0.0	0.6+	970504	809	0.5− 1.0−
900820	809	0.3+	0.2−	900826	809	0.8+	0.6−			
900822	675	1.0−	0.4+	970503	809	0.3−	1.0+			

1990 UO_1 = 1994 TP_1

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	228.22752		(2000.0)		**P**		**Q**
n	0.23901796	ω	258.73792		+0.90022223		−0.42935391
a	2.5714753	Ω	126.64799		+0.42638823		+0.83547231
e	0.1561739	i	5.18396		+0.08827807		+0.34298868
P	4.12	H	14.0	G	0.15	U	4

Residuals in seconds of arc

901020	402	1.5+	0.3+	941002	400	0.1+	0.1−	970607	691	0.2− 0.4−
901020	402	0.4−	1.0−	941002	400	0.3−	0.2+	970607	691	0.1− 0.2−
901021	402	0.8+	2.0−	941003	400	0.7−	0.9+	970607	691	0.2− 0.1+
901021	402	(2.5−	0.2−)	941003	400	0.6+	0.1−	970611	691	0.3− 0.1−
901113	402	0.8−	0.5+	970531	691	0.6+	0.3+	970611	691	0.1− 0.1+
901113	402	0.8−	1.2+	970531	691	0.5+	0.1−	970611	691	0.2− 0.0

1991 BV_1 = 1951 GH_1 = 1993 TV_{39} = 1996 JS_1

Id. A. Gnädig, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	90.84718		(2000.0)		**P**		**Q**
n	0.21951399	ω	64.07205		−0.77959807		+0.62325812
a	2.7216227	Ω	154.34214		−0.61331173		−0.73990668
e	0.2516109	i	8.15892		−0.12678949		−0.25315494
P	4.49	H	13.0	G	0.15	U	4

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

510408	711	(0.04+	0.01−)Y	931009	809	0.2−	1.4−	960511	399	0.4+ 0.3−
510410	711	(0.04+	0.01−)Y	931009	809	0.7−	1.5−	960514	691	0.3+ 0.3+
910121	511	2.8−	0.1+	931009	809	0.6−	1.7−	960514	691	0.3+ 0.4+
910122	511	0.5−	1.2−	931021	809	1.3+	2.2+	960514	691	0.4+ 0.5+
910122	511	0.4−	0.3−	931021	809	1.0+	1.1+	960515	399	0.9− 0.4−
910211	511	1.1+	0.7+	931021	809	0.7−	0.9+	960515	399	1.1− 0.5−
910211	511	2.4+	0.5+	960511	399	0.5+	0.4−			

1991 FH_2 = 1978 UR_5

Id. T. Kobayashi (*MPC* 25638)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	82.21917		(2000.0)		**P**		**Q**
n	0.19055143	ω	236.73259		−0.92855784		−0.37096848
a	2.9908496	Ω	281.48924		+0.34474104		−0.84915001
e	0.0630098	i	0.74585		+0.13760069		−0.37593436
P	5.17	H	13.5	G	0.15	U	4

Residuals in seconds of arc

781027	675	0.5+	0.1+	910321	809	0.2−	0.6+	970609	046	0.1+ 0.2+
781028	675	0.3−	0.1+	910322	809	0.0	0.7−	970609	046	0.1− 0.1+
781029	675	0.1−	0.5−	910322	809	0.1+	0.8−	970609	046	0.2+ 0.3+
910320	809	0.4−	0.3−	910322	809	0.1+	0.8−	970610	046	0.2− 0.0
910320	809	0.3+	0.2−	910415	675	0.0	0.4+	970610	046	0.1− 0.7−
910320	809	1.0+	0.2−	910415	675	0.2+	0.5+	970610	046	0.3− 0.2−
910321	809	0.8−	0.6+	970609	046	0.3+	0.2+	970610	046	0.1+ 0.1−
910321	809	0.5−	0.6+	970609	046	0.0	0.1−			

1991 GJ_{10} = 1997 GZ_{23}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	70.99512		(2000.0)		**P**		**Q**
n	0.17470354	ω	113.33946		−0.89770187		−0.42587469
a	3.1690925	Ω	41.69669		+0.31605541		−0.80105916
e	0.0336778	i	9.77800		+0.30698586		−0.42063639
P	5.64	H	13.5	G	0.15	U	5

Residuals in seconds of arc

910409	033	0.4−	0.6+	970406	704	0.2+	0.7+	970507	704	0.1− 0.2+
910409	033	0.1−	0.8+	970406	704	0.5+	0.7−	970507	704	1.4+ 0.5−
910411	033	0.7−	0.2+	970407	704	0.4−	0.2+	970507	704	0.3− 0.7+
910411	033	0.1+	0.1−	970407	704	0.4−	0.3+	970507	704	0.3+ 1.4−
910412	033	0.3+	0.6−	970411	704	0.1+	0.2−	970507	704	0.4− 0.3+
910413	033	0.3+	0.6−	970411	704	0.4−	0.4−	970507	704	0.0 0.6−
910419	675	0.4+	0.2−	970507	704	0.2+	0.3+	970507	704	0.8− 0.8+
910419	675	0.0	0.1−	970507	704	0.0	0.1+			

1991 RS_2 = 1997 JX_{16}

Id. B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	143.12913		(2000.0)		**P**		**Q**
n	0.28154027	ω	242.38509		−0.04503433		−0.99735629
a	2.3055561	Ω	210.36010		+0.95171893		−0.02548146
e	0.0652062	i	6.47863		+0.30364946		−0.06805244
P	3.50	H	14.0	G	0.15	U	5

Residuals in seconds of arc

910909	033	0.6−	0.6−	910914	033	0.2−	1.3−	970503 809	0.3+ 1.4−
910910	033	0.2+	0.1+	911002	033	0.2−	0.3−	970504 809	0.7+ 0.6+
910912	675	0.3+	0.7+	911002	033	0.6+	0.5−	970504 809	0.8+ 0.6+
910912	675	0.6+	0.5−	911003	033	0.2+	0.6−	970504 809	0.4+ 1.2+
910912	033	1.0−	0.2+	911008	033	0.1−	0.6+	970530 691	1.2− 0.1+
910912	033	0.2−	0.2−	911008	033	0.4−	1.0+	970530 691	1.4− 0.0
910913	033	0.6+	0.1+	911009	033	0.5−	0.5+	970530 691	1.8− 0.7+
910914	675	0.6+	0.1−	970503	809	1.8+	0.7−		
910914	675	0.0	0.9+	970503	809	0.6+	0.7−		

1991 RA$_{17}$ = 1997 JS$_{16}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	241.97878		(2000.0)		**P**		**Q**
n	0.28240410	ω	303.77178		+0.93219450		+0.35444129
a	2.3008522	Ω	35.62699		−0.27623391		+0.82765296
e	0.1602038	i	7.23705		−0.23389792		+0.43515740
P	3.49	H	14.5	G	0.15	U	5

Residuals in seconds of arc

910907	675	0.9+	1.8+	910917	675	0.6−	1.0−	970416 327	0.0 0.2+
910907	675	0.3−	0.8−	910929	691	0.5−	0.0	970416 327	0.1− 0.9+
910909	675	0.8−	0.2+	910929	691	0.2−	0.1−	970416 327	0.0 0.2+
910909	675	0.2+	1.5+	910929	691	0.2−	0.3−	970502 910	0.6+ 0.1−
910912	675	0.5+	0.9+	911002	675	0.3+	0.1−	970502 910	0.6+ 0.2−
910912	675	(0.6−	2.3+)	911002	675	0.3+	0.3+	970502 910	0.7+ 0.1−
910915	675	0.1−	1.7−	911007	675	0.6+	1.2+	970507 566	0.8− 0.1−
910915	675	0.3−	0.4−	911007	675	1.8+	0.7+	970507 566	0.3− 0.4−
910917	675	0.8−	1.4−	911008	675	0.9−	0.6−	970507 566	0.8− 0.6−

1991 RH$_{27}$ = 1991 TA$_{6}$ = 1997 GA$_{39}$

Id. S. Nakano (d, *MPC* 20484), B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	288.45796		(2000.0)		**P**		**Q**
n	0.29308021	ω	167.57673		+0.73445344		+0.67731952
a	2.2446315	Ω	149.65163		−0.62965329		+0.70350433
e	0.1867352	i	4.83876		−0.25320918		+0.21522062
P	3.36	H	14.5	G	0.15	U	5

Residuals in seconds of arc

910913	675	0.6−	1.0−	911007	046	0.4−	0.8+	970409 809	0.9+ 0.0
910913	675	0.7+	0.7−	970407	809	(0.1+	2.6−)	970409 809	0.3+ 0.3+
910915	675	0.1−	0.8+	970407	809	(0.5+	3.4−)	970409 809	0.6+ 0.4−
910915	675	0.1−	1.0+	970407	809	(0.3−	3.3−)	970410 809	(2.6+ 2.9+)
911006	046	0.7−	0.0	970408	809	0.5−	0.1+	970410 809	(2.7+ 1.8+)
911006	046	1.7+	0.4+	970408	809	0.8−	0.1+	970410 809	(2.9+ 2.6+)
911007	046	0.5−	1.4−	970408	809	0.6−	0.2−		

1991 SX = 1994 JS$_{9}$ = 1997 EZ$_{47}$

Id. M. W. Buie, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	238.76860		(2000.0)		**P**		**Q**
n	0.28248055	ω	217.25123		+0.89466021		+0.43445570
a	2.3004370	Ω	116.68973		−0.37669817		+0.85886172
e	0.1909717	i	6.68929		−0.24016994		+0.27130203
P	3.49	H	15.5	G	0.15	U	3

Residuals in seconds of arc

910914	675	0.1−	1.2+	911012	413	0.5−	0.1+	970302 691	0.0 0.3−
910914	675	1.0+	0.2−	911102	413	0.0	0.3+	970514 688	0.2+ 0.3+
910930	413	1.7+	0.1−	940508	691	0.0	0.0	970514 688	0.1+ 0.4+
911001	413	0.7−	0.8−	940508	691	0.1−	0.4−	970514 688	0.3+ 0.6+
911002	413	0.6−	0.6−	940508	691	0.1−	0.0	970514 688	0.2+ 0.5+
911005	413	0.7−	0.3+	970302	691	0.1−	0.3−		
911009	413	0.4−	0.4+	970302	691	0.2−	0.1−		

1991 VJ$_{2}$ = 1997 JJ$_{17}$

Id. B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	276.76235		(2000.0)		**P**		**Q**
n	0.29268349	ω	145.93569		+0.98418068		+0.17408370
a	2.2466594	Ω	204.10299		−0.17513973		+0.92795152
e	0.2279418	i	4.62272		−0.02672959		+0.32954642
P	3.37	H	14.0	G	0.15	U	4

Residuals in seconds of arc

911109	399	0.2+	1.0−	911115	894	0.7+	0.5+	970504 809	0.5− 0.7−
911109	399	0.1+	0.2−	911115	894	0.3+	1.6−	970504 809	0.4+ 0.9−
911111	399	1.0−	0.8−	911205	399	0.4+	0.6+	970504 809	0.9− 0.9−
911111	399	0.4+	0.3+	911205	399	0.2+	0.4+	970605 691	0.2− 0.6+
911112	894	0.1+	0.8−	911207	399	0.7−	0.2+	970605 691	0.3+ 0.2+
911112	894	(2.3−	0.9+)	970503	809	0.6+	0.7+	970605 691	0.6+ 0.1+
911113	399	0.8−	0.3+	970503	809	0.1−	0.3−		
911113	399	0.2+	1.2+	970503	809	0.3−	0.1+		

1991 VY$_{4}$ = 1997 GC$_{42}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	140.47399		(2000.0)		**P**		**Q**
n	0.25560232	ω	334.46856		+0.28907737		−0.95513842
a	2.4590056	Ω	98.67457		+0.88909864		+0.24294244
e	0.1512165	i	3.73407		+0.35487728		+0.16937996
P	3.86	H	14.0	G	0.15	U	5

Residuals in seconds of arc

911105	894	0.3−	0.1+	970409	809	0.0	0.2+	970411 809	0.2− 0.5+
911105	894	0.1−	0.0	970409	809	1.1−	0.0	970411 809	0.7+ 0.1−
911110	894	0.7+	0.2−	970409	809	0.8−	0.6−	970411 809	0.2+ 0.3−
911110	894	0.1−	0.3−	970410	809	(0.7−	3.1−)	970412 809	1.4+ 0.3+
911113	894	0.2+	0.2+	970410	809	(0.3−	3.0−)	970412 809	0.2− 0.1+
911113	894	0.3−	0.2+	970410	809	(1.3−	2.4−)	970412 809	(0.6+ 2.4+)

1991 VE$_5$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	301.54500			(2000.0)		**P**		**Q**			
n	0.30102815		ω	221.95019		+0.88368199		+0.46404556			
a	2.2049461		Ω	110.30456		−0.41017832		+0.83085054			
e	0.2010816		i	3.75269		−0.22552137		+0.30716300			
P	3.27		H	14.5	G	0.15	U	4			

Residuals in seconds of arc

900401	675	0.8+	0.9+	911110	894	0.4+	0.5−	970529	124	0.3+	0.0
900401	675	0.3−	0.4+	911110	894	0.6−	0.3−	970529	124	0.1−	0.5+
911104	894	(2.7−	0.0)	911203	894	1.0+	1.5+	970529	124	0.1−	0.6+
911104	894	(0.8−	2.7−)	911203	894	0.5+	1.5+	970529	124	0.4+	1.5+
911105	894	1.8−	0.3−	911204	399	0.4+	0.7+				
911105	894	0.7−	0.4−	911204	399	0.0	1.8+				

1992 AM = 1997 KV$_2$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	219.24497			(2000.0)		**P**		**Q**			
n	0.27413737		ω	299.97851		+0.69222131		−0.60245033			
a	2.3468782		Ω	100.13479		+0.71831550		+0.62830024			
e	0.2816597		i	23.80615		−0.06965992		+0.49223206			
P	3.60		H	14.5	G	0.15	U	4			

Residuals in seconds of arc

911227	691	0.5+	0.0	920111	675	1.0+	2.0−	970605	691	0.3−	0.2+
911227	691	0.5−	1.2+	920130	675	0.5−	0.4−	970605	691	0.4−	0.1+
911227	691	0.1+	0.4−	920130	675	0.2−	1.6+	970605	691	0.3−	0.5+
920109	675	1.4+	0.3−	970530	691	0.3+	0.2−	970609	691	0.1−	0.5−
920109	675	1.9−	0.1+	970530	691	0.3+	0.3−	970609	691	0.1−	0.2−
920111	675	0.0	0.1+	970530	691	0.5+	0.2+				

1992 DY$_7$ = 1997 GB$_{22}$ = 1997 JJ$_4$

Id. G. V. Williams (*MPC* 29616; d, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	331.22188			(2000.0)		**P**		**Q**			
n	0.22008584		ω	182.83908		−0.20218174		+0.97794966			
a	2.7169062		Ω	75.50045		−0.89746622		−0.16363007			
e	0.0298064		i	3.09764		−0.39201649		−0.12976775			
P	4.48		H	14.0	G	0.15	U	5			

Residuals in seconds of arc

920229	809	0.0	0.7−	970407	809	0.4−	1.5+	970501	704	0.3+	0.2+
920303	809	0.4−	0.2+	970408	809	(1.3+	2.8+)	970501	704	0.7+	0.1−
920307	809	0.2+	0.6+	970408	809	(0.5+	3.0+)	970501	704	0.3+	0.0
920406	809	0.2+	0.3−	970408	809	(0.8−	3.3+)	970508	327	0.9−	0.1−
970406	704	0.7+	0.2+	970408	704	1.3+	1.3−	970508	327	1.2−	0.3−
970406	704	0.2+	0.6−	970408	704	0.0	0.9−	970508	327	0.9−	0.7−
970407	809	0.1+	0.6+	970501	704	0.4+	0.4+				
970407	809	0.8−	1.6+	970501	704	0.2+	0.2−				

1992 OF$_9$ = 1984 BZ$_5$ = 1987 SW$_{21}$ = 1997 JV$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	326.04261			(2000.0)		**P**		**Q**			
n	0.17028894		ω	172.10770		+0.12206364		+0.99153094			
a	3.2236293		Ω	104.89544		−0.91310959		+0.12969844			
e	0.1391167		i	2.63031		−0.38901330		+0.00668612			
P	5.79		H	12.5	G	0.15	U	2			

Residuals in seconds of arc

840125	675	0.1−	0.1−	920727	809	0.2−	0.6−	970504	809	0.2+	0.3+
840126	675	0.1−	0.7−	920804	809	0.7+	0.3+	970504	809	(0.8+	2.6+)
870918	095	0.3−	0.7+	920804	809	1.3+	0.1+	970507	704	0.6−	0.6−
920726	809	0.9−	0.1+	920804	809	1.2+	0.0	970507	704	0.5−	0.6−
920726	809	0.7−	0.1+	970503	809	0.3+	0.6+	970507	704	0.6−	0.6−
920726	809	0.5−	0.2+	970503	809	1.0+	0.3+	970507	704	0.0	0.3−
920727	809	0.5−	0.4−	970503	809	0.7+	1.0+	970507	704	0.1−	0.2−
920727	809	0.2−	0.8−	970504	809	0.1−	0.6+				

1993 BQ$_4$ = 1997 JO$_{17}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	33.05142			(2000.0)		**P**		**Q**			
n	0.28453681		ω	79.59211		−0.92539007		+0.37772493			
a	2.2893406		Ω	122.59423		−0.36064051		−0.85215693			
e	0.0985282		i	2.12628		−0.11658323		−0.36214977			
P	3.46		H	15.0	G	0.15	U	6			

Residuals in seconds of arc

930127	010	0.2+	0.4−	930220	010	0.6+	0.0	970503	809	0.5+	1.0+
930127	010	0.2−	0.1+	930220	010	0.2−	0.2+	970503	809	0.6+	0.4+
930127	010	0.1−	0.0	930220	010	0.1+	0.2−	970504	809	0.2−	0.0
930128	010	0.6+	0.1+	930222	010	0.1+	1.0−	970504	809	0.1−	0.0
930128	010	0.1−	0.9+	930223	010	0.3−	0.5−	970504	809	0.8−	1.2−
930128	010	0.5−	0.8+	970503	809	(1.5+	3.0+)				

1993 DC$_1$ = 1986 KK = 1989 EQ$_6$ = 1997 JF$_{15}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	347.19743			(2000.0)		**P**		**Q**			
n	0.26744305		ω	128.18939		−0.23429465		+0.97129974			
a	2.3858795		Ω	128.21092		−0.90747218		−0.20337270			
e	0.1622804		i	2.99269		−0.34871228		−0.12335460			
P	3.69		H	14.0	G	0.15	U	3			

Residuals in seconds of arc

860529	095	0.2−	1.1−	930225	896	0.2−	0.6− Y	970503	809	0.5−	0.4+
890305	033	1.2+	0.7+	930316	896	(19.2−	20.2+)	970504	809	0.6+	0.8+
890305	033	0.8−	1.4+	930414	675	0.0	0.7−	970504	809	0.5+	0.7+
930224	896	0.5+	0.3− Y	930414	675	0.8−	0.6−	970504	809	0.6+	0.3+
930224	896	0.4−	0.7− Y	970503	809	0.3−	0.1−				
930225	896	(0.3−	2.4+)Y	970503	809	0.2−	0.4+				

1993 FL$_9$ = 1997 GF$_{40}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	295.41943			(2000.0)		**P**		**Q**			
n	0.26265501		ω	164.49886		+0.58892519		+0.80595644			
a	2.4147875		Ω	141.52697		−0.75137466		+0.57336264			
e	0.1455833		i	5.53526		−0.29766298		+0.14727357			
P	3.75		H	14.5	G	0.15	U	5			

Residuals in seconds of arc

930317	809	0.6−	0.3−	930323	809	1.2+	0.3−	970408	809	1.1+	1.4−
930318	809	0.6+	0.2+	930416	413	0.1−	0.0	970408	809	1.1−	0.4−
930319	691	0.3−	0.1+	970407	809	0.7+	1.0+	970408	809	0.5−	0.5−
930319	691	0.4−	0.0	970407	809	0.1+	0.9+				
930319	691	0.4−	0.2+	970407	809	0.2−	0.4+				

1993 FG$_{12}$ = 1995 MS$_3$

Id. A. Gnädig

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	331.94836		(2000.0)		**P**	**Q**	
n	0.17666844	ω	296.07620		−0.35366222	−0.93506014	
a	3.1455510	Ω	174.46563		+0.92255281	−0.35296670	
e	0.1487835	i	14.53141		+0.15433520	−0.03281833	
P	5.58	H	13.0	G	0.15	U	5

Residuals in seconds of arc

930317	809	0.9+	2.1+	930323	691	0.9−	1.1−	950626	691	0.5−	0.3+
930318	809	0.3+	1.4+	930323	691	0.3−	1.2−	950626	691	0.2+	0.1+
930323	809	0.3+	1.0−	930416	413	0.2+	1.0+	950705	691	0.3+	0.3−
930323	691	0.6−	1.3−	950626	691	0.3+	0.0	950705	691	0.4−	0.1−

1993 FS$_{12}$ = 1997 KJ$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	140.19602		(2000.0)		**P**	**Q**	
n	0.26896466	ω	321.82126		+0.18869892	−0.98069050	
a	2.3768726	Ω	117.24830		+0.91461037	+0.15645431	
e	0.1745315	i	3.31250		+0.35760396	+0.11733792	
P	3.66	H	15.5	G	0.15	U	6

Residuals in seconds of arc

930317	809	0.7−	0.4+	970527	910	0.6−	0.1+	970529	910	0.3+	0.1−
930318	809	0.4+	0.0	970527	910	0.6−	0.2+	970529	910	0.8+	0.1+
930323	809	0.5+	0.7−	970527	910	0.5−	0.1+				
930416	413	0.2−	0.4+	970529	910	0.5+	0.4−				

1993 FH$_{25}$ = 1997 GK$_{42}$

Id. G. V. Williams, E. Bowell (1987 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	309.37325		(2000.0)		**P**	**Q**	
n	0.25755922	ω	78.68356		+0.17862504	+0.98340472	
a	2.4465343	Ω	201.68418		−0.93292901	+0.15902608	
e	0.0523028	i	4.92994		−0.31262845	+0.08732624	
P	3.83	H	13.0	G	0.15	U	4

Residuals in seconds of arc

871126	675	0.0	0.6+	930326	809	0.0	0.2+	970411	809	1.1+	1.0+
871126	675	0.0	0.2−	930421	413	0.5−	0.6−	970412	809	0.6−	1.7−
930321	809	0.2−	0.1−	970411	809	0.6+	1.2+	970412	809	(0.8− | 2.3−)
930322	809	0.4+	0.3−	970411	809	0.7+	1.7+	970412	809	1.5−	0.9−

1993 SO$_2$ = 1997 KY$_2$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	96.95128		(2000.0)		**P**	**Q**	
n	0.21085488	ω	336.81362		−0.99451555	+0.08401314	
a	2.7956338	Ω	208.22350		−0.06269936	−0.95562872	
e	0.1090837	i	7.56932		−0.08371151	−0.28233939	
P	4.67	H	14.0	G	0.15	U	4

Residuals in seconds of arc

930922	589	0.6+	0.1−	930923	595	0.1−	0.2+	970530	691	0.1−	0.4+
930922	589	0.2+	0.8+	930923	595	0.8−	0.2+	970605	691	0.6+	0.8−
930922	589	0.3−	0.4−	931019	589	0.4−	0.3+	970605	691	0.2+	0.6−
930923	589	0.4+	0.5+	931019	589	0.8+	0.1+	970605	691	0.0	0.3+
930923	589	0.2+	0.0	931019	589	0.5+	0.5−	970615	691	0.3−	0.1+
930923	589	0.4−	0.9−	970530	691	0.0	0.2−	970615	691	0.2−	0.2+
930923	595	0.6−	0.4−	970530	691	0.0	0.2+	970615	691	0.1−	0.5+

1993 TK$_3$ = 1997 JW$_{14}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	270.95966		(2000.0)		**P**	**Q**	
n	0.19021294	ω	262.06539		+0.99494362	+0.08061913	
a	2.9943967	Ω	93.29619		−0.05065151	+0.91775853	
e	0.2975192	i	3.43965		−0.08672728	+0.38886995	
P	5.18	H	13.0	G	0.15	U	6

Residuals in seconds of arc

931015	400	0.6−	0.7−	931111	400	0.3+	0.4−	970503	809	(3.1− | 0.4−)
931015	400	1.0+	0.2−	931111	400	0.2−	0.6+	970504	809	0.3−	0.9+
931020	400	1.1+	0.8+	970503	809	0.3+	0.0	970504	809	0.6+	0.7−
931020	400	1.7−	0.1+	970503	809	0.5−	0.3−	970504	809	0.0	0.3+

1994 SP$_9$ = 1997 JU

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	15.87326		(2000.0)		**P**	**Q**	
n	0.21357126	ω	14.05908		−0.94746998	+0.31925083	
a	2.7718784	Ω	184.69651		−0.31161211	−0.93509953	
e	0.1271911	i	13.76499		−0.07210086	−0.15384336	
P	4.61	H	15.0	G	0.15	U	4

Residuals in seconds of arc

940928	691	0.3−	0.6+	941006	691	0.6+	0.4−	970501	552	1.1+	0.1−
940928	691	0.0	0.6+	941012	691	0.3−	0.3+	970501	552	1.1+	0.8−
940928	691	0.6−	0.0	941012	691	0.0	0.2+	970501	552	0.3+	1.6+
941004	691	0.1−	0.1−	941012	691	0.7−	0.0	970503	552	0.7−	0.4−
941004	691	0.3+	0.3+	970202	691	0.3−	0.6+	970503	552	0.8+	0.5+
941004	691	0.1+	0.2+	970202	691	0.4−	0.7+	970510	552	1.7−	0.6−
941006	691	0.6+	0.0	970202	691	0.2+	0.5+	970510	552	0.5−	0.1−

1994 TZ$_{14}$ = 1997 KF$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	234.50073		(2000.0)		**P**	**Q**	
n	0.24185551	ω	201.12783		+0.91410633	−0.40545172	
a	2.5513227	Ω	182.80270		+0.38349626	+0.86795697	
e	0.2058330	i	5.05019		+0.13168237	+0.28680935	
P	4.08	H	14.5	G	0.15	U	4

Residuals in seconds of arc

941005	400	0.7+	0.0	941027	400	0.4+	0.3+	970530	691	0.1−	0.2+
941005	400	0.1+	0.0	941027	400	0.4−	0.4−	970607	691	0.1−	0.2−
941006	400	0.8+	0.6+	970530	691	0.1+	0.0	970607	691	0.1+	0.0
941006	400	1.5−	0.4−	970530	691	0.1−	0.1+	970607	691	0.0	0.2−

1994 UB_1

Id. T. Urata (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Urata

M	316.64281		(2000.0)		**P**	**Q**	
n	0.25545450	ω	267.68704		+0.57029715	+0.81643006	
a	2.4599542	Ω	37.55685		−0.68218672	+0.53215158	
e	0.1755360	i	8.54506		−0.45758326	+0.22417995	
P	3.86	H	13.5	G	0.15	U	4

Residuals in seconds of arc

941031	905	1.2+	0.6+	941112	385	0.3+	0.8−	941127	887	0.5−	0.5+
941031	905	0.6−	0.7+	941112	385	0.6+	0.7−	941127	887	0.8−	0.1+
941103	905	0.6−	0.1−	941125	385	0.9+	1.4+	941223	385	0.2−	0.1+
941103	905	1.3+	0.6+	941125	385	0.7+	0.8−	941223	385	0.8−	0.7−
941104	675	0.2+	1.5−	941127	385	0.5−	0.9+	941223	385	0.3−	0.8−
941104	675	0.6−	0.8−	941127	385	0.4−	1.1+	970531	905	0.1+	0.6+
941109	905	0.0	0.2+	941127	385	0.6−	0.7+	970531	905	0.9+	0.5−
941112	385	0.5+	0.6−	941127	887	0.4−	0.3+	970607	385	0.9−	0.3+

1994 UK_1 = 1985 UE_1 = 1997 EY_{17}

Id. G. V. Williams (*MPC* 29302, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	267.73261		(2000.0)		**P**	**Q**	
n	0.21606030	ω	294.28200		+0.55268295	+0.83324748	
a	2.7505491	Ω	9.31589		−0.72570457	+0.49032768	
e	0.2858030	i	5.49383		−0.40974923	+0.25549442	
P	4.56	H	13.0	G	0.15	U	1

Residuals in seconds of arc

851022	033	0.1+	0.4−	941110	399	0.2−	0.2−	970316	400	(0.7− | 2.7−)
930323	675	0.6+	0.1−	941110	399	0.8−	0.4+	970316	400	0.1−	0.1−
930323	675	0.1+	1.8+	970303	400	1.0+	1.1+	970328	400	(2.3− | 1.0+)
941025	399	1.3+	1.1+	970303	400	0.3−	0.2+	970328	400	1.1−	0.5−
941025	399	0.9+	0.8+	970304	400	0.4+	0.3−	970429	704	0.6+	0.0
941026	399	0.9−	0.8−	970304	400	0.9−	0.1+	970429	704	0.2−	0.3+
941026	399	0.3−	0.7−	970312	400	0.2+	0.3+	970429	704	1.6+	0.6−
941107	399	(4.3− | 1.6−)	970312	400	1.0−	0.1−	970429	704	0.3+	0.6+
941107	399	0.7−	1.1+	970312	400	0.3−	1.1−	970429	704	0.0	0.3−

1994 VJ_1 = 1985 YU_1 = 1997 JD_{16}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	254.50689		(2000.0)		**P**	**Q**	
n	0.21475825	ω	268.26804		+0.98109169	+0.15724336	
a	2.7616553	Ω	82.67374		−0.09845193	+0.90743080	
e	0.0842327	i	6.53281		−0.16663226	+0.38967150	
P	4.59	H	13.5	G	0.15	U	3

Residuals in seconds of arc

851217	010	1.2−	1.1−	941110	411	0.2−	0.1+	970504	809	0.2+	0.2−
851217	010	1.3+	0.8+	941127	411	(0.5+ | 2.8+)	970504	809	0.6+	0.5+
941104	411	0.3+	0.2−	941127	411	0.9−	1.2+	970505	691	1.6−	0.3−
941104	411	0.3−	0.3−	970503	809	0.8+	1.7+	970505	691	1.8−	0.3−
941108	411	0.6+	0.0	970503	809	0.8+	0.1−	970505	691	1.7−	0.3−
941108	411	0.2+	0.1+	970503	809	1.6+	0.5−				
941110	411	0.3+	0.4−	970504	809	1.2+	0.3−				

1994 WP_3

Id. L. Kornoš (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	287.34732		(2000.0)		**P**	**Q**	
n	0.27086869	ω	261.09820		+0.98654455	+0.04694916	
a	2.3657209	Ω	96.10067		+0.01585551	+0.92589196	
e	0.2577212	i	9.06173		−0.16272199	+0.37485977	
P	3.64	H	14.5	G	0.15	U	4

Residuals in seconds of arc

941126	691	0.5−	0.0	941128	691	0.4−	0.3−	950129	385	0.9−	0.3−
941126	691	0.5−	0.1−	941206	905	1.0+	0.3+	950129	385	0.8+	0.0
941126	691	0.7−	0.3−	941206	905	0.3+	0.3+	970605	118	0.4+	0.1−
941126	905	0.3−	1.3+	941223	385	0.4−	0.2+	970605	118	0.1+	0.1+
941127	905	1.2+	0.9−	941223	385	0.1+	0.4+	970605	118	0.1+	0.1−
941127	905	0.9+	0.4−	941223	385	0.2+	0.3+	970608	118	0.1+	0.3+
941128	691	0.2−	0.0	950101	385	0.7−	0.1−	970608	118	0.6−	0.2−
941128	691	0.4−	0.1−	950101	385	0.6+	0.1−	970608	118	0.1−	0.1+

1994 YF = 1972 YK_1 = 1973 AU_2 = 1977 TX_4 = 1988 VG_{11} = 1997 GC_{41}

Id. B. G. Marsden, G. V. Williams, C. M. Bardwell (d, *MPC* 6840)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	212.30357		(2000.0)		**P**	**Q**	
n	0.18044633	ω	265.10574		+0.90321150	−0.42768245	
a	3.1014921	Ω	120.21077		+0.40844737	+0.83074641	
e	0.2142919	i	2.38817		+0.13183220	+0.35629780	
P	5.46	H	12.5	G	0.15	U	1

Residuals in seconds of arc

721230	095	2.3+	0.5+	941228	411	1.3+	0.8+	950119	411	0.3+	0.1+
730102	095	2.7−	0.5−	941228	411	0.4+	0.7+	970407	809	0.2−	0.3−
771007	095	1.0+	1.3−	950102	411	0.0	1.0−	970407	809	0.3+	0.2+
881103	327	0.4−	0.2+	950102	411	0.6−	0.1+	970407	809	0.2−	0.1−
881103	327	0.2−	0.1−	950107	411	1.4−	0.8−	970408	809	1.0+	0.1−
941224	411	1.0+	0.1+	950107	411	0.7−	1.2−	970408	809	0.5−	0.5−
941224	411	0.1+	1.4+	950119	411	0.1+	0.6−	970408	809	0.9−	0.7−

1995 SS

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	334.38567		(2000.0)		**P**	**Q**	
n	0.40159243	ω	46.84144		−0.00806449	+0.95656101	
a	1.8194734	Ω	225.30823		−0.99441755	−0.03833336	
e	0.0643635	i	24.20054		−0.10520791	+0.28900102	
P	2.45	H	15.5	G	0.15	U	3

Residuals in seconds of arc

950919	693	0.0	0.6+	951004	608	0.5−	0.2−	970504	809	0.3−	1.7+
950919	693	0.6+	0.3−	951005	608	0.3+	0.4+	970514	688	0.3+	0.3+
950920	693	0.1+	0.3−	951005	608	0.0	0.1−	970514	688	0.2+	0.3+
950920	693	0.9−	0.5−	951209	608	0.3+	1.3+	970514	688	0.3+	0.2+
950924	816	0.4+	0.1+	951209	608	0.5+	1.1+	970514	688	0.3+	0.5+

950924	816	0.3+	0.0	951212	608	0.6+	0.1+	970529	696	0.7+	0.6−
950924	816	0.3+	0.0	951212	608	0.6+	0.1+	970529	696	0.7+	0.6−
950924	816	0.6+	0.1+	970503	809	0.7−	1.0−	970529	696	0.7+	0.7−
950929	816	0.7−	0.3+	970503	809	(0.6− | 2.4−)	970530	696	0.2−	0.2+
950929	816	0.7−	0.0	970503	809	1.4−	1.7−	970530	696	1.2−	0.6+
950929	816	0.5−	0.1−	970504	809	0.5+	1.5+	970530	696	0.1−	0.3+
951004	608	0.5−	0.7−	970504	809	(0.1− | 2.3+)				

1995 SS_{53} = 1988 VN_8

Id. M. W. Buie (1997 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	156.76818		(2000.0)		**P**		**Q**
n	0.28377592	ω	29.79656		+0.50089252		−0.86489874
a	2.2934311	Ω	30.17899		+0.78075916		+0.43531642
e	0.2216051	i	3.70785		+0.37352619		+0.24989954
P	3.47	H	15.5	G	0.15	U	2

Residuals in seconds of arc

881104	327	1.3−	2.2+	950929	327	0.3−	0.1−	960201	327	1.0−	0.7−
881104	327	(1.0+ | 4.3+)	951020	411	0.3−	0.4−	960201	327	0.3−	0.2+
881104	033	2.0+	0.0	951020	411	0.0	0.7+	960201	327	0.9+	0.4+
881104	033	1.3−	0.4−	951025	411	1.3+	0.1−	960204	327	1.5−	0.4−
950928	327	0.0	0.7−	951025	411	0.2−	0.4+	960204	327	0.5+	0.5−
950928	327	0.7−	0.8−	951026	411	0.9+	1.1+	960204	327	0.6−	0.5+
950928	327	0.5−	0.7−	951026	411	0.6+	0.7+	970513	688	0.0	0.3+
950928	327	0.8−	0.4−	951130	327	0.7+	0.2−	970513	688	0.2+	0.2+
950929	327	0.4−	0.2−	951130	327	0.5+	0.3−	970513	688	0.3+	0.2+
950929	327	0.7−	0.1−	951130	327	0.6+	0.3−	970513	688	0.1+	0.3+

1995 WW_{42} = 1997 GM_{24}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	157.84929		(2000.0)		**P**		**Q**
n	0.28000096	ω	354.12222		+0.45278773		−0.88690786
a	2.3139983	Ω	68.92548		+0.82198765		+0.37545163
e	0.1679243	i	5.62924		+0.34542664		+0.26912920
P	3.52	H	15.0	G	0.15	U	4

Residuals in seconds of arc

951125	399	1.7−	1.3+	970408	704	0.0	0.4−	970505	704	0.1−	0.6+
951125	399	1.6−	1.4+	970408	704	1.1+	0.0	970505	704	0.4−	0.5−
951217	399	0.7+	0.0	970501	704	0.1−	0.4+	970505	704	0.4−	0.1−
951217	399	0.3+	0.5+	970501	704	0.4−	0.1−	970505	704	0.0	0.2+
951219	399	1.7+	1.2−	970501	704	0.1+	0.2−	970526	910	0.1−	0.2+
951219	399	0.7+	1.1−	970501	704	0.1+	0.7+	970526	910	0.6−	0.2+
970406	704	1.2+	0.6+	970501	704	0.3+	0.1+	970526	910	0.3−	0.1+
970406	704	0.1−	0.6−	970505	704	0.1+	0.0				

1995 XY_4 = 1997 GJ_{38}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	57.60714		(2000.0)		**P**		**Q**
n	0.23287832	ω	352.03415		−0.78362965		−0.62003233
a	2.6164756	Ω	149.54123		+0.57407370		−0.74645582
e	0.0494637	i	4.35903		+0.23741093		−0.24158562
P	4.23	H	16.0	G	0.15	U	4

Residuals in seconds of arc

951214	691	0.4−	0.6−	970408	621	0.0	0.4−	970430	621	0.3+	0.2+
951214	691	0.0	0.4−	970408	621	0.1+	0.2−	970430	621	0.2−	0.6+
951214	691	0.1−	0.3−	970408	621	0.6−	0.1+	970430	621	1.4−	0.5−
951220	691	0.0	0.1−	970408	621	0.3+	0.0	970501	621	0.5+	0.2+
951220	691	0.1−	0.2+	970408	621	1.1−	0.1+	970501	621	0.1−	0.1+
951220	691	0.2+	0.1+	970408	621	1.0−	0.3−	970501	621	0.7−	0.6+
951226	691	0.1+	0.3+	970409	621	0.2−	0.4+	970501	621	0.2−	1.0+
951226	691	0.1+	0.4+	970409	621	0.2+	0.0	970502	621	0.2+	0.2−
951226	691	0.2+	0.5+	970409	621	0.5+	0.3+	970502	621	0.1+	0.4−
970407	621	0.3+	0.7−	970409	621	0.7+	0.4+	970502	621	0.6+	0.3−
970408	621	0.4+	0.5−	970430	621	1.3+	0.2−	970502	621	0.1−	0.2−

1995 YR = 1997 GK_{40}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	19.62214		(2000.0)		**P**		**Q**
n	0.28306162	ω	136.91766		−0.90708549		+0.39293073
a	2.2972877	Ω	66.78891		−0.41687313		−0.78873940
e	0.0761317	i	9.45656		−0.05841845		−0.47275321
P	3.48	H	14.0	G	0.15	U	6

Residuals in seconds of arc

951217	369	0.2+	0.4+	951219	369	0.3−	0.6+	970407	809	0.3+	0.8−
951217	369	0.2+	0.6−	951221	369	0.2+	0.1−	970407	809	0.0	1.0−
951217	369	0.5−	0.6+	951221	369	1.1+	0.6−	970407	809	0.3−	0.3−
951219	369	0.6−	0.5+	951221	369	0.3+	0.5−	970408	809	0.4+	1.2+
951219	369	0.3−	0.2−	951226	369	0.2−	0.2−	970408	809	0.1−	0.6+
951219	369	0.3+	0.2−	951226	369	0.0	0.3+	970408	809	0.2−	0.4+
951219	369	0.9−	0.3+	951226	369	0.4+	0.2−				
951219	369	0.1+	0.1−	951226	369	0.2+	0.0				

1995 YV

Id. L. Kornoš (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	167.28598		(2000.0)		**P**		**Q**
n	0.28376758	ω	332.45774		+0.25847061		−0.96025538
a	2.2934760	Ω	102.40652		+0.90496676		+0.20252898
e	0.1317280	i	6.19359		+0.33797649		+0.19207192
P	3.47	H	15.5	G	0.15	U	4

Residuals in seconds of arc

951219	411	0.0	1.0+	951230	411	0.5−	0.8−	970604	118	0.0	0.7+
951219	411	0.1+	0.4+	951231	411	0.1−	0.2−	970604	118	0.4+	1.0−
951221	411	0.2+	0.2−	951231	411	0.6−	0.6−	970604	118	0.9−	0.4−
951221	411	0.7+	0.4−	960109	411	0.2+	1.0+	970609	118	0.3+	0.6+
951226	411	0.2+	0.2+	960109	411	0.3−	0.3−	970609	118	0.0	0.6+
951226	411	0.6+	0.4−	960124	411	0.3−	0.5−	970610	118	0.1+	0.1−
951230	411	0.9−	0.6+	960124	411	0.8+	0.5+	970610	118	0.1+	0.3−

1995 YD_1

Id. C. de Saint-Aignan (1990 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	296.83194		(2000.0)		**P**	**Q**	
n	0.28225180	ω	201.85294		+0.66120875	+0.73628636	
a	2.3016798	Ω	109.85440		−0.66367213	+0.66347819	
e	0.0708433	i	8.79581		−0.34977463	+0.13296276	
P	3.49	H	13.5	G	0.15	U	4

Residuals in seconds of arc

900525	675	0.5+	0.6−	951226	411	0.6−	0.1−	960113	385	1.4−	0.5+
900525	675	0.4−	1.0+	951230	411	0.2−	0.0	960124	411	0.2−	0.2−
951221	411	0.6+	0.1+	951230	411	0.2+	0.7+	960124	411	0.3−	0.4+
951221	411	0.0	0.1−	960110	411	0.5+	0.7−	970530	124	0.4+	0.9−
951222	411	0.5+	0.3−	960110	411	0.8−	0.7−	970530	124	0.5−	0.6+
951222	411	0.6+	0.2+	960113	385	0.2+	0.1+				
951226	411	0.5+	0.1−	960113	385	0.6+	0.1+				

1995 YV$_{22}$ = 1997 GS$_{40}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	78.42755		(2000.0)		**P**	**Q**	
n	0.18079804	ω	344.00157		−0.69661613	−0.71731049	
a	3.0974686	Ω	150.15034		+0.66125354	−0.64942267	
e	0.1278430	i	1.59371		+0.27833383	−0.25242000	
P	5.45	H	14.0	G	0.15	U	4

Residuals in seconds of arc

951219	566	(3.4+	2.3+)	951224	566	0.9+	0.2−	970407	809	1.0+	1.6−
951219	566	(3.4+	2.4+)	951224	566	0.0	0.3+	970407	809	0.4+	0.0
951219	566	(2.6+	2.4+)	951224	566	0.2+	0.6−	970407	809	0.1−	0.7−
951223	566	0.8−	0.2+	951224	566	1.0+	0.4−	970408	809	0.4+	0.7+
951223	566	1.2−	0.3+	960216	608	(4.5−	2.3+)	970408	809	0.4+	1.1+
951223	566	0.2−	0.4+	960216	608	0.3+	0.2−	970408	809	1.9−	0.3+
951224	566	0.8+	0.3−	960220	608	0.1+	0.0				
951224	566	0.7−	0.4+	960220	608	0.4−	0.1+				

1996 CV$_7$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	302.43601		(2000.0)		**P**	**Q**	
n	0.18994568	ω	162.14243		+0.58057319	+0.80620086	
a	2.9972049	Ω	143.11341		−0.76825907	+0.58875447	
e	0.0919727	i	10.93950		−0.26965306	+0.05838108	
P	5.19	H	13.0	G	0.15	U	4

Residuals in seconds of arc

960214	098	0.0	0.1+	960314	098	0.2+	0.1−	970508	098	0.9−	0.3+
960214	098	0.2−	0.6+	960314	098	0.5+	0.5−	970508	098	(1.3+	3.7−)
960215	098	0.2−	0.6+	960320	098	1.4−	0.9+	970527	108	0.5+	0.4−
960215	098	0.6+	0.8−	960320	098	(3.0−	0.7+)	970527	108	0.6−	1.2+
960224	098	(0.4−	3.0−)	970506	098	0.2+	0.3+	970527	108	0.7+	1.3−
960224	098	0.5+	0.9−	970506	098	(1.0−	2.4−)	970527	108	0.1+	0.1−

1996 DV

Id. A. Galád (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	33.62025		(2000.0)		**P**	**Q**	
n	0.17512280	ω	62.26994		−0.79564360	+0.59916743	
a	3.1640324	Ω	154.23322		−0.60244694	−0.76728293	
e	0.0407189	i	11.83562		−0.06331620	−0.22863789	
P	5.63	H	13.5	G	0.15	U	3

Residuals in seconds of arc

960210	691	0.3−	1.0−	960322	411	0.2+	1.1+	960414	104	0.8−	0.3−
960210	691	0.6−	0.8−	960322	411	0.8+	0.0	970531	118	0.0	0.7−
960210	691	0.1−	0.9−	960409	104	1.6+	0.3+	970531	118	0.2−	0.0
960219	411	1.0−	1.0+	960409	104	0.9+	0.3+	970531	118	0.4+	0.2+
960219	411	0.1+	1.6+	960409	104	0.5+	0.6−	970601	118	0.2−	0.1−
960221	411	0.2+	0.5+	960410	104	0.3−	0.0	970601	118	0.5−	0.1+
960221	411	1.0+	0.6+	960410	104	0.4−	0.0	970601	118	0.1−	0.1−
960221	411	0.7+	0.4+	960410	104	0.2−	0.3+	970608	118	0.0	0.2+
960227	411	0.5−	1.1−	960412	104	0.2−	0.3+	970608	118	0.5+	0.2+
960227	411	0.1+	0.2+	960412	104	0.5−	0.0	970608	118	0.1+	0.3+
960309	411	0.8−	0.2+	960412	104	0.7−	0.0				
960309	411	0.8+	1.5−	960414	104	0.6−	0.5−				

1996 DW$_1$ = 1981 XH = 1991 RV$_{27}$

Id. B. G. Marsden (*MPC* 26911), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	239.83059		(2000.0)		**P**	**Q**	
n	0.28968186	ω	329.92561		+0.93140877	−0.36038356	
a	2.2621523	Ω	51.28687		+0.34561500	+0.83175559	
e	0.0357151	i	3.74784		+0.11414016	+0.42226335	
P	3.40	H	14.0	G	0.15	U	1

Residuals in seconds of arc

811204	511	0.1+	0.0	960226	046	0.0	0.3+	960406	046	0.2−	0.0
811204	511	0.1−	0.1+	960226	046	0.1+	0.5+	960406	046	0.3−	0.4−
910912	675	0.5+	1.8−	960226	046	0.1−	0.2+	960407	046	0.1−	0.4−
910912	675	0.5+	0.7−	960227	046	0.4+	0.3+	960407	046	0.6−	0.2+
910914	675	0.4+	0.5+	960227	046	0.1+	0.4+	960407	046	0.4−	0.1−
910914	675	0.6−	0.6−	960227	046	0.1+	0.8+	960418	046	0.6−	0.7−
930414	675	0.1+	0.1+	960228	046	0.0	0.8+	960418	046	0.6−	0.3+
930414	675	0.6−	1.0−	960228	046	0.2−	0.2+	960418	046	0.9−	0.4−
960224	046	0.1+	0.2+	960228	046	0.3+	0.0	960419	046	0.8−	0.0
960224	046	0.1+	0.2+	960318	046	0.5+	0.5−	960419	046	0.1+	1.1−
960224	046	0.0	0.2+	960319	046	0.0	0.8−	960421	046	0.2−	0.7−
960224	046	0.0	0.2+	960319	046	0.2+	0.7−	970602	046	0.2+	0.1+
960224	046	0.3−	0.5+	960319	046	0.5+	0.9−	970602	046	0.1+	0.5−
960225	046	0.0	0.5+	960325	046	0.1+	0.7−	970602	046	0.0	0.2−
960225	046	0.1−	0.5+	960325	046	0.5+	0.6−	970604	046	0.2−	0.3+
960225	046	0.1+	0.1+	960325	046	0.8+	1.1−				
960225	046	0.1+	0.2+	960406	046	0.0	0.1+				

1996 ER$_2$

Id. A. Galád (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	162.27067		(2000.0)		**P**		**Q**
n	0.25928208	ω	213.17317		−0.36428108		−0.93013853
a	2.4356846	Ω	258.22703		+0.86440021		−0.31920687
e	0.0510356	i	2.70949		+0.34657117		−0.18151937
P	3.80	H	15.0	G	0.15	U	4

Residuals in seconds of arc

960309	118	0.0	0.0	960406	118	0.1+	0.2+	960505	118	0.2−	0.5−
960309	118	0.1+	0.0	960407	118	0.5−	0.0	960505	118	0.6−	0.4−
960310	118	0.2+	0.2−	960416	118	0.3+	0.4−	960516	118	0.7+	0.7+
960319	118	0.1+	1.0−	960416	118	0.9+	0.5+	960517	118	1.3+	0.6−
960319	118	0.3+	1.0+	960417	118	0.1−	0.1−	970613	118	0.3−	0.1−
960319	118	0.3−	1.8+	960418	118	0.0	0.2+	970613	118	0.3+	0.3−
960320	118	0.4+	0.5−	960420	118	0.2−	0.6−	970616	118	0.2−	0.7+
960320	118	0.3−	0.2−	960422	118	0.0	0.8−	970616	118	0.5+	0.3−
960320	118	0.0	0.1−	960504	118	1.3−	0.3+	970616	118	0.3−	0.1+
960405	118	0.1−	0.2+	960504	118	1.1−	0.3+				

1996 FR_1

Id. P. Pravec (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	313.61440		(2000.0)		**P**		**Q**
n	0.18835725	ω	101.56628		+0.74154758		+0.66364985
a	3.0140318	Ω	216.97913		−0.66145858		+0.69869905
e	0.1138000	i	9.41183		−0.11215940		+0.26718629
P	5.23	H	14.0	G	0.15	U	4

Residuals in seconds of arc

960319	557	0.2+	0.1+	960325	557	0.1+	0.1−	960420	557	0.4−	0.2−
960319	557	0.1+	0.0	960325	557	0.4−	0.5−	960420	557	0.4+	0.0
960320	557	0.2+	0.2+	960325	557	0.7−	0.0	970531	557	0.3−	0.6+
960320	557	0.2−	0.1−	960406	557	0.8−	0.2−	970531	557	0.2−	0.6+
960320	557	0.1+	0.2+	960406	557	0.0	0.1+	970601	557	0.1+	0.2+
960320	557	0.3+	0.1+	960406	557	0.2−	0.4+	970602	557	0.3+	0.2−
960320	557	0.1+	0.2+	960415	557	0.4+	0.0	970602	557	0.1+	0.6−
960321	557	0.2+	0.0	960415	557	0.2+	0.3−	970610	557	0.0	0.5−
960321	557	0.1+	0.3−	960415	557	0.3−	0.2−				
960325	557	0.5+	0.5+	960420	557	0.2+	0.1+				

1996 GE_{19}

Id. T. Pauwels (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	339.45657		(2000.0)		**P**		**Q**
n	0.08151473	ω	63.38916		+0.04596156		+0.95874073
a	5.2679944	Ω	213.21788		−0.99669973		+0.06282404
e	0.0720120	i	30.80394		+0.06691169		+0.27725321
P	12.09	H	10.0	G	0.15	U	3

Residuals in seconds of arc

960324	809	0.0	0.8−	960513	566	0.6+	0.0	970610	012	0.1−	0.3−
960324	809	0.3−	0.0	960513	566	0.4+	0.5+	970611	824	0.4+	1.6−
960324	809	1.0−	0.3−	960608	809	0.7+	0.1+	970611	824	0.1−	1.5−
960327	809	0.3−	0.0	960608	809	0.5+	0.8−	970611	824	0.0	1.1−
960327	809	0.2+	0.1−	960608	809	0.2+	0.9−	970615	824	1.7−	0.9+
960327	809	0.2+	0.4+	960610	809	(2.5−	1.6+)	970615	824	0.9−	1.0+
960415	809	(3.8+	0.6−)	960610	809	1.7−	1.4+	970615	824	0.1+	0.6+
960415	809	(3.9+	0.3+)	960610	809	(2.4−	0.5+)	970617	709	0.2−	0.1+
960415	809	(3.3+	0.2−)	970604	012	0.8+	0.2+	970617	709	0.3−	0.2+
960417	809	(2.5+	1.0−)	970604	012	1.0+	0.5+	970617	709	0.3−	0.1+
960417	809	(2.8+	1.2−)	970605	012	1.1+	0.6+	970617	709	0.3−	0.1+
960417	809	(2.3+	1.7−)	970609	012	0.5+	0.0	970617	709	0.3−	0.1+
960513	566	0.6+	0.4+	970609	012	0.1+	0.0				

1996 HY_{17} = 1997 LZ_3

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	345.08477		(2000.0)		**P**		**Q**
n	0.18243950	ω	186.38114		+0.89698761		+0.44151610
a	3.0788613	Ω	147.39012		−0.40376590		+0.83840113
e	0.2095037	i	2.32205		−0.17996201		+0.31960456
P	5.40	H	14.0	G	0.15	U	5

Residuals in seconds of arc

960418	809	0.0	1.0+	960519	809	1.7−	1.2−	960523	809	(3.6−	3.3−)
960418	809	0.1+	0.8+	960519	809	1.1−	1.6−	970609	691	0.1+	0.2+
960418	809	0.5+	0.9−	960522	809	1.1+	0.7+	970609	691	0.2+	0.1+
960420	809	0.1+	0.9+	960522	809	0.8+	0.8+	970609	691	0.1−	0.3+
960420	809	0.1−	0.1−	960522	809	0.6+	1.0+	970610	691	0.4+	0.2−
960420	809	(0.4−	2.6+)	960523	809	(2.8−	3.8−)	970610	691	0.1−	0.4−
960519	809	0.2−	1.2−	960523	809	(2.9−	5.1−)	970610	691	0.6−	0.2+

1996 KA_3 = 1997 JP

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	323.20847		(2000.0)		**P**		**Q**
n	0.17395959	ω	136.31790		+0.01088595		+0.99056558
a	3.1781213	Ω	133.78968		−0.96154566		+0.04786307
e	0.1486314	i	10.90819		−0.27442928		−0.12840934
P	5.67	H	12.5	G	0.15	U	4

Residuals in seconds of arc

960519	704	0.3−	0.9−	960620	704	1.3+	0.1−	970514	587	0.6+	0.3+
960519	704	0.6+	0.5−	960620	704	1.2−	1.6−	970527	587	0.4+	0.2+
960519	704	0.7−	0.2+	960620	704	0.6+	0.2−	970527	587	0.3−	0.3−
960519	704	0.5−	0.6+	970502	587	0.1+	0.7−	970527	587	0.1+	0.8+
960519	704	0.7+	1.0+	970502	587	0.2+	0.9−	970528	587	0.1−	0.3+
960521	704	0.1+	0.4+	970502	587	0.7−	0.7−	970528	587	0.5+	0.1+
960521	704	0.0	0.6+	970503	587	0.1−	0.1+	970528	587	0.1−	0.0
960521	704	0.1+	0.1+	970503	587	0.5−	0.4+	970528	587	0.2−	0.2+
960521	704	0.3+	0.6−	970508	587	0.4+	0.2+	970530	587	0.1+	0.2+
960619	704	1.0−	1.3+	970508	587	0.0	0.1+	970530	587	0.0	0.2+
960619	704	(2.6+	0.7−)	970514	587	0.4−	0.4−				

1997 AW

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	350.73360		(2000.0)		**P**		**Q**
n	0.26775137	ω	202.64634		−0.90305604		+0.42952016
a	2.3840475	Ω	2.79210		−0.38925586		−0.81692781
e	0.3617999	i	1.74949		−0.18157550		−0.38489140
P	3.68	H	14.5	G	0.15	U	5

From 19 observations 1997 Jan. 2–June 10, mean residual 0″.52.

1997 EQ$_{11}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	16.65502		(2000.0)		−0.85256929	+0.52259092
n	0.17841322	ω	30.90783		−0.52246496	−0.85206223
a	3.1250096	Ω	180.66217		+0.01248902	+0.02981069
e	0.1634057	i	25.27126			
P	5.52	H	14.0	G 0.15	U	4

From 21 observations 1997 Mar. 4–June 9, mean residual 0″.35.

1997 EE$_{23}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	102.86536		(2000.0)		−0.17643962	−0.97510454
n	0.26658812	ω	0.72765		+0.90239890	−0.21474199
a	2.3909777	Ω	99.44159		+0.39312247	+0.05529031
e	0.0745141	i	7.82560			
P	3.70	H	13.5	G 0.15	U	4

From 33 observations 1997 Mar. 2–May 20, mean residual 0″.50.

1997 FG$_{1}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	26.36638		(2000.0)		−0.94621072	−0.30474267
n	0.26268075	ω	28.14051		+0.26143929	−0.91806206
a	2.4146298	Ω	133.68040		+0.19061684	−0.25356254
e	0.1626991	i	8.64507			
P	3.75	H	14.5	G 0.15	U	5

From 33 observations 1997 Mar. 23–June 10, mean residual 0″.56.

1997 GB$_{2}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	6.62937		(2000.0)		−0.93939709	+0.34026151
n	0.19073544	ω	190.88242		−0.29196016	−0.72995365
a	2.9889257	Ω	9.33988		−0.17970080	−0.59278139
e	0.4204252	i	14.96031			
P	5.17	H	18.0	G 0.15	U	4

From 20 observations 1997 Apr. 7–June 11, mean residual 0″.44.

1997 GF$_{3}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	14.79657		(2000.0)		−0.98225874	+0.05331098
n	0.18334811	ω	351.46922		−0.10616136	−0.94840041
a	3.0686811	Ω	195.53155		−0.15458824	+0.31256134
e	0.4205354	i	42.17909			
P	5.38	H	17.5	G 0.15	U	4

From 63 observations 1997 Apr. 5–June 11, mean residual 0″.61.

1997 GK$_{21}$ = 1997 JU$_{16}$ = 1981 VL$_{1}$ = 1992 YT$_{5}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	341.69495		(2000.0)		−0.19596491	+0.98056066
n	0.29271265	ω	65.76023		−0.91499623	−0.18648406
a	2.2465102	Ω	192.95039		−0.35267499	−0.06102863
e	0.1702908	i	2.53887			
P	3.37	H	16.0	G 0.15	U	4

Residuals in seconds of arc

811103	033	1.0−	1.2+	970407	704	0.9−	0.0	970501	704	0.4+	0.2−
811103	033	0.1−	1.8+	970408	704	1.1−	0.5+	970501	704	0.4+	0.0
921225	691	0.1+	0.1−	970408	704	0.9−	0.7+	970505	704	0.2+	0.1−
921225	691	0.2−	0.5−	970430	704	0.1+	0.1−	970505	704	0.2+	0.0
921225	691	0.0	0.0	970430	704	0.0	0.0	970505	704	0.0	0.1−
970406	704	1.3−	0.4+	970430	704	0.4+	0.1+	970505	704	0.0	0.3−
970406	704	0.0	0.1+	970430	704	0.4+	0.1+	970505	704	0.3−	0.2−
970407	809	1.9+	1.5+	970430	704	0.2−	0.4−	970526	910	0.0	0.1−
970407	704	0.5−	0.3+	970501	704	0.1+	0.3−	970526	910	0.1+	0.1+
970407	809	0.5+	1.4+	970501	704	0.3+	0.3−	970526	910	0.3−	0.1−
970407	809	1.9+	0.8+	970501	704	1.3−	0.9−				

1997 GH$_{22}$ = 1980 TR$_{9}$ = 1987 SP$_{2}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	287.75034		(2000.0)		+0.88030399	+0.46764175
n	0.27978617	ω	298.18951		−0.36982175	+0.78186660
a	2.3151824	Ω	34.10402		−0.29714770	+0.41230548
e	0.2680544	i	8.18748			
P	3.52	H	15.0	G 0.15	U	4

Residuals in seconds of arc

801013	095	0.4+	0.8−	871001	809	0.3−	2.2−	970430	704	0.1+	0.2+
870919	071	(6.8−	0.4+)	970406	704	0.2−	0.0	970430	704	0.0	0.4+
870920	071	(9.8−	3.7−)	970406	704	0.6+	0.3−	970430	704	0.1+	0.7+
870923	071	(6.6−	1.9−)	970407	704	1.5−	0.9+	970501	704	0.4+	0.1−
870923	071	(6.2−	3.2+)	970407	704	0.1+	1.2−	970501	704	0.2−	0.0
870929	688	1.5−	2.0+	970408	704	0.1+	0.3−	970501	704	0.1−	0.1−
870929	688	1.7+	1.4+	970408	704	0.5+	0.4−	970501	704	0.2−	0.4−
871001	809	0.2−	0.1+	970430	704	0.1−	0.3−	970501	704	0.3−	0.1+
871001	809	0.2+	1.0−	970430	704	0.5+	0.0				

1997 GX$_{24}$ = 1991 FT$_{3}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	Q
M	26.91414		(2000.0)		−0.99636809	+0.07411047
n	0.17493830	ω	65.86411		−0.08446595	−0.92253503
a	3.1662566	Ω	118.36252		+0.01077676	−0.37873044
e	0.0939013	i	2.73129			
P	5.63	H	13.1	G 0.15	U	6

Residuals in seconds of arc

910322	809	0.6−	0.4−	970404	400	0.1+	0.3+	970415	400	0.3+	0.6+
910322	809	0.3−	0.9−	970404	400	0.5+	1.0+	970415	400	0.2+	0.4−
910322	809	0.1+	1.1−	970409	400	0.1+	0.8−	970503	400	0.1+	0.3−
910323	809	0.0	0.7+	970409	400	0.3−	0.6−	970503	400	0.3−	0.1−
910323	809	0.1+	0.8+	970410	400	0.4−	0.6+				
910323	809	0.7+	0.9+	970410	400	0.2−	0.2−				

1997 GP$_{35}$ = 1993 PG$_{9}$ = 1994 UD$_{13}$ = 1996 AJ$_{20}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	86.96525		(2000.0)		−0.58947822	−0.80706308
n	0.18136663	ω	283.01412		+0.77063575	−0.54920286
a	3.0909914	Ω	203.20824		+0.24214863	−0.21685340
e	0.1320412	i	4.96796			
P	5.43	H	14.0	G 0.15	U	1

Residuals in seconds of arc

930815	691	0.2−	0.1+	970406	704	0.7+	0.2−	970501	704	0.3+	0.3−
930815	691	0.3+	0.1−	970406	704	0.3−	0.2+	970501	704	0.1−	0.4+
930815	691	0.0	0.3−	970411	704	0.1+	0.8−	970501	704	0.2+	0.5+

941029	691	0.1+	0.8+	970411	704	0.0	0.5+	970501	704	0.0	0.2+
941029	691	0.6−	0.8+	970430	704	0.2−	0.2−	970501	704	0.1−	0.2+
941029	691	0.2−	0.7+	970430	704	0.0	0.6+	970507	704	0.3+	0.1+
960103	327	0.1−	0.4+	970430	704	0.1−	0.1+	970507	704	0.1−	0.6+
960103	327	0.1+	0.4+	970430	704	0.6−	0.6+	970507	704	0.1+	0.0
960103	327	0.1+	0.5−	970430	704	0.0	0.5−	970507	704	0.5+	0.2+

1997 GF_{36} = 1991 TQ_{11} = 1993 BP_{11}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	13.72239		(2000.0)	**P**	**Q**
n	0.27612656	ω	176.21199	−0.81164065	+0.58311026
a	2.3355935	Ω	39.52525	−0.53738667	−0.72185773
e	0.1686004	i	3.14857	−0.22903063	−0.37269806
P	3.57	H	16.0	G 0.15	U 4

Residuals in seconds of arc

911011	691	0.3−	0.4+	930122	691	0.1−	0.4+	970411	704	0.7+	0.2−
911011	691	1.3−	0.4+	930126	691	0.3+	0.2−	970411	704	0.7−	0.4−
911011	691	0.7−	0.9+	930126	691	0.2−	0.4+	970507	704	0.2+	0.5+
911013	691	0.5+	0.3+	930126	691	0.2+	0.2+	970507	704	0.3+	0.3+
911013	691	0.1+	0.4−	970406	704	0.1−	0.2+	970507	704	0.2−	0.7+
911013	691	1.0+	0.0	970406	704	0.2−	0.0	970507	704	0.5+	0.8+
930122	691	0.1−	0.2−	970411	704	0.0	0.1+	970507	704	0.4−	0.5+
930122	691	0.1+	0.3+	970411	704	0.4+	1.4−				

1997 GR_{36} = 1974 VW_2 = 1995 UW_{48}

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	133.25773		(2000.0)	**P**	**Q**
n	0.23829645	ω	6.27419	+0.17350766	−0.98034972
a	2.5766633	Ω	73.76323	+0.89926329	+0.11885461
e	0.1944254	i	5.61009	+0.40152288	+0.15744209
P	4.14	H	14.5	G 0.15	U 4

Residuals in seconds of arc

741109	808	0.2−	0.9−	970407	809	(3.5−	1.4−)	970430	704	0.3+	0.5−
741109	808	0.2+	0.9+	970407	704	0.2+	0.8−	970430	704	0.4+	0.2+
951028	327	0.2−	0.5−	970408	809	0.6+	1.2+	970527	910	0.4−	0.4−
951028	327	0.9−	0.0	970408	809	0.6−	1.5+	970527	910	0.3−	0.3−
951029	327	0.4+	0.4−	970408	809	0.5−	1.1+	970527	910	0.4−	0.3−
951029	327	0.6+	0.2−	970411	704	0.6+	1.0−	970529	910	0.2−	0.2+
951029	327	0.2+	0.5+	970411	704	0.9+	0.6−	970529	910	0.2−	0.2−
970407	809	(2.3−	0.6−)	970430	704	0.2−	0.3−	970529	910	0.4−	0.1−
970407	809	(3.7−	0.4−)	970430	704	0.2+	0.2+				
970407	704	0.3−	0.1−	970430	704	0.2+	0.1−				

1997 HC_{16} = 1993 FV_{21} = 1996 AS_9

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	288.54567		(2000.0)	**P**	**Q**
n	0.25857898	ω	120.48355	+0.73359485	+0.67948199
a	2.4400978	Ω	196.72311	−0.63688082	+0.68125267
e	0.1793727	i	2.38034	−0.23711056	+0.27239499
P	3.81	H	13.5	G 0.15	U 4

Residuals in seconds of arc

930321	809	0.3+	0.4+	960119	691	0.1−	0.2−	970429	691	0.2+	0.2−
930322	809	0.8+	0.3+	960119	691	0.0	0.0	970429	691	0.0	0.6−
930326	809	0.4−	0.2+	970411	809	0.5+	1.1+	970429	691	0.1+	0.2−
930327	809	0.2−	0.6+	970411	809	0.8−	1.0+	970508	691	0.8+	0.5+
960113	691	0.3−	0.0	970411	809	0.5−	0.1−	970508	691	0.6+	0.4+
960113	691	0.2+	0.1−	970412	809	0.4−	1.2−	970508	691	0.3+	0.8+
960113	691	0.0	0.0	970412	809	0.5−	1.4−				
960119	691	0.1+	0.2−	970412	809	0.6−	1.4−				

1997 JE_{10} = 1979 YN_3 = 1989 WR_6 = 1992 LX_2

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	81.75489		(2000.0)	**P**	**Q**
n	0.19103633	ω	74.79911	−0.84934084	−0.49120573
a	2.9857864	Ω	75.44442	+0.37424840	−0.81854425
e	0.0555558	i	11.51564	+0.37223417	−0.29782922
P	5.16	H	12.7	G 0.15	U 1

Residuals in seconds of arc

791224	095	0.1+	0.1−	970504	809	(2.7+	1.6+)	970517	900	0.2+	0.1+
891125	399	1.8−	1.8+	970509	691	1.2−	0.6+	970517	402	0.5+	0.0
891125	399	0.1−	0.2−	970509	691	1.3−	0.5+	970517	402	0.5+	0.1+
891125	399	1.0+	0.5+	970509	691	1.2−	0.5+	970517	402	0.2+	0.1−
920603	809	0.5+	0.0	970509	365	0.3−	0.4+	970528	355	0.1−	1.0−
920603	809	0.5−	0.6+	970509	365	0.5+	0.0	970528	355	0.1+	0.8−
920603	809	0.2+	0.4+	970512	365	0.2−	1.3+	970528	355	0.0	0.4−
970503	809	0.7+	0.6−	970512	365	0.1+	0.4+	970605	691	0.7−	0.3−
970503	809	1.4+	0.8−	970517	367	0.2+	0.9+	970605	691	0.9−	0.3+
970503	809	0.8+	0.7−	970517	367	0.7+	0.3+	970605	691	0.9−	0.5+
970504	809	(3.4+	2.2+)	970517	367	0.0	0.2+	970607	355	1.7+	0.8−
970504	809	(2.4+	2.2+)	970517	900	0.1−	0.4+	970607	355	(2.9+	0.6−)

1997 JT_{11} = 1985 DB_1 = 1996 CF_9

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	341.46459		(2000.0)	**P**	**Q**
n	0.17421276	ω	90.49462	−0.27574367	+0.96120310
a	3.1750415	Ω	163.49338	−0.89188321	−0.25299083
e	0.1157194	i	1.48243	−0.35848259	−0.10992836
P	5.66	H	13.0	G 0.15	U 5

Residuals in seconds of arc

850221	801	0.4−	0.9−	960212	327	0.3+	0.1+	970504	809	0.4+	0.4−
960210	327	0.0	0.6−	970411	704	0.1+	0.3−	970504	809	0.4−	1.3+
960210	327	0.1−	0.0	970411	704	0.5+	0.8−	970507	704	0.9+	0.9−
960210	327	0.1−	0.6+	970503	809	0.4−	1.4+	970507	704	0.6+	0.1−
960210	327	0.7+	0.5+	970503	809	0.6−	0.9+	970507	704	0.5+	0.4−
960212	327	0.1−	0.3+	970503	809	1.9−	0.0	970507	704	0.5+	0.1−
960212	327	0.4−	0.2+	970504	809	0.2−	0.3−				

1997 JD_{12} = 1991 TM_4

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	231.42664		(2000.0)	**P**	**Q**
n	0.28596413	ω	149.40373	+0.98274107	−0.17025991
a	2.2817165	Ω	220.60106	+0.13908926	+0.93786965
e	0.1172697	i	6.38111	+0.12195967	+0.30234432
P	3.45	H	15.5	G 0.15	U 6

Residuals in seconds of arc

911004	033	0.1+	0.2+	970411	704	0.8−	0.6−	970504	809	0.7−	0.9+
911005	033	0.1−	1.2−	970503	809	1.6−	1.4+	970507	704	0.2+	0.5−

911005	033	0.1+	0.7+	970503	809	1.1+	1.0+	970507	704	0.3−	0.3+
911009	033	0.4+	0.1+	970503	809	1.6+	2.2−	970507	704	0.3+	0.2+
911009	033	0.5−	0.2+	970504	809	0.5−	0.1−	970507	704	(3.3−	0.4+)
970411	704	1.6+	0.3+	970504	809	0.8−	0.6−				

1997 JL$_{13}$ = 1989 GN$_6$ = 1993 GQ

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	346.26513		(2000.0)		**P**	**Q**	
n	0.25314798	ω	59.01087		−0.27179099	+0.96223868	
a	2.4748739	Ω	195.24026		−0.90131403	−0.25999966	
e	0.1530340	i	3.28122		−0.33728724	−0.08060330	
P	3.89	H	14.0	G	0.15	U	5

Residuals in seconds of arc

890403	809	0.4−	0.1−	930416	399	0.8−	0.5−	970504	809	0.0	1.9+
890403	809	0.3+	0.4+	970503	809	0.2−	0.5+	970507	704	0.0	0.6−
890403	809	0.4+	0.6+	970503	809	0.2+	0.9+	970507	704	0.0	0.5−
930415	399	0.1+	0.0	970503	809	0.3+	0.1−	970507	704	0.1+	0.3−
930415	399	1.8+	1.8−	970504	809	0.5−	0.2−	970507	704	0.0	0.4−
930416	399	1.5−	0.7+	970504	809	0.1+	0.1−	970507	704	0.1+	0.1−

1997 JJ$_{14}$ = 1994 TX$_5$

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	326.69602		(2000.0)		**P**	**Q**	
n	0.26633640	ω	129.88475		+0.19442112	+0.98072212	
a	2.3924839	Ω	151.30820		−0.91198267	+0.18808383	
e	0.1911628	i	2.34096		−0.36123128	+0.05299624	
P	3.70	H	17.0	G	0.15	U	4

Residuals in seconds of arc

941004	691	0.1+	0.2+	970411	704	0.3−	0.8+	970507	704	0.2+	0.4+
941004	691	0.2−	0.1−	970411	704	0.6−	0.2+	970507	704	0.5−	0.6+
941004	691	0.2+	0.2+	970501	704	0.1+	0.9−	970527	910	0.2+	0.4−
941013	691	0.1−	0.3+	970501	704	0.7+	0.8+	970527	910	0.1−	0.0
941013	691	0.1−	0.1+	970501	704	1.1+	0.7+	970527	910	0.2−	0.4−
941013	691	0.2−	0.2+	970501	704	0.5−	0.1+	970529	910	0.6−	0.5−
970407	809	0.6+	0.3−	970507	704	0.2+	0.4+	970529	910	0.5−	0.7−
970407	809	0.4−	0.0	970507	704	0.2+	0.3−	970529	910	0.4−	0.7−
970407	809	0.6+	0.4−	970507	704	0.5+	1.1+				

1997 JT$_{16}$ = 1994 WW$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	244.12618		(2000.0)		**P**	**Q**	
n	0.18241618	ω	270.34196		+0.97194541	−0.14016082	
a	3.0791238	Ω	97.72147		+0.20225421	+0.90797225	
e	0.1450754	i	10.98850		−0.12006393	+0.39489409	
P	5.40	H	13.0	G	0.15	U	4

Residuals in seconds of arc

941127	691	0.1−	0.1+	970417	327	0.5−	0.3−	970508	327	0.3−	0.1+
941127	691	0.4−	0.4+	970417	327	0.1−	0.3−	970508	327	0.2+	0.1+
941127	691	0.0	0.4−	970503	327	0.0	0.2−	970531	327	0.1−	0.0
941128	691	0.4+	0.0	970503	327	0.2+	0.1−	970531	327	0.0	0.1−
941128	691	0.4−	0.1−	970503	327	0.0	0.1+	970531	327	0.0	0.3+
941128	691	0.5+	0.1+	970508	327	0.2+	0.0				
970417	327	0.4+	0.7+	970508	327	0.1+	0.3−				

1997 JJ$_{18}$ = 1979 MP = 1982 BZ$_6$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	289.55217		(2000.0)		**P**	**Q**	
n	0.21600161	ω	240.91166		+0.83893980	+0.51654049	
a	2.7510473	Ω	87.50496		−0.42037971	+0.81504177	
e	0.1467443	i	9.87664		−0.34563118	+0.26247445	
P	4.56	H	13.5	G	0.15	U	4

Residuals in seconds of arc

790622	805	1.6−	0.2−	970503	809	1.1+	1.1−	970607	691	0.9−	1.1+
790622	805	0.5+	0.6−	970504	809	0.0	0.5−	970607	691	0.4−	0.4+
790625	805	1.0+	0.0	970504	809	0.7+	0.3−	970607	691	0.4−	0.7+
820126	381	0.4+	0.5+	970504	809	0.3+	0.3−	970611	691	0.6−	0.8+
820126	381	0.5−	0.6−	970531	691	0.0	1.1+	970611	691	0.8−	0.8+
970503	809	0.7+	1.1−	970531	691	1.0−	0.1+	970611	691	1.1−	0.1−
970503	809	1.2+	0.9−	970531	691	1.7+	0.1−				

1997 KH = 1992 EW$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	298.84996		(2000.0)		**P**	**Q**	
n	0.23187175	ω	121.44428		+0.72418006	+0.68955029	
a	2.6240423	Ω	194.96788		−0.64411542	+0.67160709	
e	0.0892095	i	2.02933		−0.24633021	+0.27104303	
P	4.25	H	14.0	G	0.15	U	6

Residuals in seconds of arc

920301	809	0.3+	0.5+	970601	684	0.4+	0.1−	970605	684	0.1−	0.2−
920303	809	1.0−	0.0	970601	684	0.0	0.1+	970605	684	0.3−	0.1−
920306	809	0.7+	0.5−	970602	684	0.3−	0.0	970610	684	0.0	0.0
970530	684	0.1−	0.3+	970602	684	0.0	0.2+	970610	684	0.0	0.1−
970530	684	0.0	0.0	970602	684	0.1+	0.1−	970610	684	0.2+	0.1+
970601	684	0.2+	0.1+	970605	684	0.2−	0.3−				

1997 KW = 1991 RS$_{24}$ = 1995 YN$_{25}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	282.86821		(2000.0)		**P**	**Q**	
n	0.30378594	ω	216.06024		+0.95521281	+0.28251435	
a	2.1915814	Ω	127.29325		−0.23892110	+0.91186253	
e	0.2197390	i	6.35500		−0.17460013	+0.29781263	
P	3.24	H	14.5	G	0.15	U	4

Residuals in seconds of arc

910912	675	0.2+	0.4−	951231	691	0.5−	0.3−	970610	327	0.1−	0.3−
910912	675	0.1+	0.1−	951231	691	0.8−	0.4−	970610	327	0.0	0.0
910917	675	0.3+	0.4−	970531	327	0.3+	0.4−	970610	327	0.2−	0.1−
910917	675	0.3−	0.3+	970531	327	0.2+	0.4+	970614	327	0.1+	0.3−
951223	566	0.3+	0.0	970531	327	0.3+	0.1−	970614	327	0.3−	0.1−
951223	566	0.4+	0.2−	970602	327	0.7−	0.5+	970614	327	0.5+	0.2−
951223	566	0.9+	0.1+	970602	327	0.2+	0.2−				
951231	691	0.6−	0.4−	970602	327	0.5−	0.0				

1997 KR$_3$ = 1984 AD$_1$ = 1988 YD = 1995 AH$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	225.21280		(2000.0)			
n	0.17895731	ω	280.51471		+0.85464352	−0.50547332
a	3.1186724	Ω	109.93923		+0.51192964	+0.78219704
e	0.2171609	i	7.25186		+0.08667468	+0.36423139
P	5.51	H	12.5	G	0.15	U 2

Residuals in seconds of arc

840108	688	1.2+	0.8−	890104	046	0.8+	1.7+	970607	691	0.0	0.3+
840108	688	1.2−	0.4+	950106	372	1.3+	0.7−	970607	691	0.1−	0.3+
881230	046	(0.9−	3.6+)	950106	372	1.3−	0.4−	970607	691	0.0	0.2+
881230	046	(1.3−	3.5+)	950108	372	0.2−	0.1−	970611	691	0.3+	0.1+
890103	046	1.1+	1.2−	970531	691	0.0	0.0	970611	691	0.0	0.7+
890103	046	0.9−	1.4+	970531	691	0.2+	0.3+	970611	691	0.1+	0.1+
890104	046	1.7−	1.4+	970531	691	0.2+	0.5+				

1997 LN = 1979 OB$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	231.61971		(2000.0)			
n	0.21136247	ω	209.14652		+0.96950815	−0.24346263
a	2.7911562	Ω	164.86721		+0.24042184	+0.92290131
e	0.0684001	i	6.14100		+0.04744777	+0.29829368
P	4.66	H	14.0	G	0.15	U 5

Residuals in seconds of arc

790726	675	1.0−	0.5−	970603	327	0.0	0.2+	970609	658	0.1−	0.1+
790727	675	(3.5+	0.0)	970604	327	0.0	0.8+	970609	658	0.6+	0.0
790728	413	0.9+	0.6+	970604	327	0.1−	0.0	970615	658	0.3−	0.2−
970603	327	0.1−	0.0	970604	327	0.2−	0.1+	970615	658	0.1−	0.4−
970603	327	0.3+	0.1−	970609	658	0.2+	0.1−	970615	658	0.3−	0.4−

1997 LR = 1994 LM$_2$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	307.89915		(2000.0)			
n	0.30209498	ω	204.28445		+0.84336857	+0.52657787
a	2.1997519	Ω	123.51663		−0.46962037	+0.81908428
e	0.2847201	i	7.37242		−0.26112480	+0.22763279
P	3.26	H	17.0	G	0.15	U 5

Residuals in seconds of arc

940609	691	0.0	0.4+	970605	691	0.9−	0.3−	970606	327	1.2+	0.4+
940609	691	0.2+	0.2−	970605	402	1.4+	0.2−	970606	327	0.4+	0.3−
940609	691	0.1+	0.0	970605	402	0.6+	0.5−	970607	422	0.6+	0.2+
940610	691	0.0	0.0	970605	046	0.4+	1.0+	970607	422	0.3−	0.2+
940610	691	0.2−	0.1−	970605	046	0.7+	1.1−	970607	422	0.5+	0.4+
940610	691	0.0	0.1−	970605	046	0.5+	0.4−	970608	691	1.2−	0.2+
970601	691	0.1−	0.3+	970605	046	1.1+	0.2+	970608	691	1.0−	0.2+
970601	691	0.2+	0.4+	970605	557	0.3+	0.0	970608	691	1.3−	0.7+
970601	691	0.5−	0.1+	970605	557	1.0+	0.3−	970608	658	0.7−	0.3−
970604	691	1.3−	0.1+	970605	557	1.0+	0.0	970608	658	0.3−	0.3−
970604	691	1.1−	0.2+	970606	402	0.9+	0.0	970608	658	0.0	0.0
970604	691	1.1−	0.2+	970606	402	0.6+	0.7−	970609	658	0.3−	0.0
970605	691	1.1−	0.2+	970606	402	0.9+	0.5−	970609	658	0.3−	0.0
970605	691	1.2−	0.1−	970606	327	0.7+	0.2+	970609	658	0.4−	0.2−

4200 P-L = 1953 RT$_1$

Id. E. Bowell, M. W. Buie (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	279.42122		(2000.0)			
n	0.28766547	ω	129.04383		+0.79922248	+0.60067613
a	2.2727111	Ω	194.07794		−0.57445686	+0.75325814
e	0.2131131	i	4.89962		−0.17675617	+0.26793724
P	3.43	H	15.5	G	0.15	U 2

Residuals in seconds of arc

530906	675	0.9−	0.7−	600926	675	0.2+	0.4−	970508	688	0.5+	0.3−
530906	675	1.0+	0.4+	600927	675	0.1−	0.0	970508	688	0.2+	0.2+
600924	675	0.1−	1.0+	600928	675	0.3+	0.4−	970508	688	0.3−	0.5+
600925	675	0.9−	0.7−	601025	675	0.1+	0.0	970508	688	0.2−	0.6+
600926	675	0.1−	0.2+	601026	675	0.4+	1.4+				

4643 P-L = 1993 RU$_{19}$ = 1997 JX$_7$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	344.94349		(2000.0)			
n	0.17803400	ω	51.72896		−0.59015821	+0.80718406
a	3.1294456	Ω	182.22614		−0.80474166	−0.58949256
e	0.1915797	i	19.44290		−0.06406368	−0.03086118
P	5.54	H	13.0	G	0.15	U 3

Residuals in seconds of arc

600924	675	0.6−	0.4+	930915	809	0.8−	0.6−	970509	327	0.3−	0.0
600926	675	0.3+	0.9−	930922	809	1.2+	0.8+	970603	327	0.8−	0.1−
600927	675	0.3+	1.1+	930922	809	0.7+	0.0	970603	327	0.0	0.1−
600928	675	0.0	0.3−	930922	809	0.7−	0.1−	970603	327	0.0	0.0
601017	675	0.2−	1.3−	970508	327	0.5−	0.2−	970603	327	0.3+	0.2+
601022	675	0.1+	0.5−	970508	327	0.3−	0.0	970606	327	0.4+	0.0
601026	675	0.1+	0.6−	970508	327	0.1−	0.1−	970606	327	1.0+	0.7−
930915	809	0.7−	0.8+	970509	327	0.3−	0.1−	970606	327	0.7+	0.1+
930915	809	0.1+	0.3+	970509	327	0.2−	0.0	970606	327	0.5+	0.3+

6871 P-L = 1997 JS$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	356.23885		(2000.0)			
n	0.28716611	ω	113.95726		−0.49523089	+0.86829981
a	2.2753450	Ω	126.32775		−0.80930437	−0.44924220
e	0.0955912	i	2.01420		−0.31586833	−0.21032565
P	3.43	H	16.5	G	0.15	U 6

Residuals in seconds of arc

600924	675	0.3−	0.9+	600928	675	1.4+	0.8−	970507	704	0.1−	0.0
600924	675	1.0−	0.0	970503	809	0.6−	0.6+	970507	704	0.6−	0.1+
600926	675	0.9−	0.2−	970503	809	0.6−	0.5+	970507	704	0.1+	0.7−
600926	675	0.4+	0.2−	970503	809	0.6+	0.0	970507	704	0.4+	0.1−
600927	675	0.6+	0.3−	970504	809	0.9−	0.1−	970507	704	0.1−	0.1−
600927	675	0.5+	1.1+	970504	809	0.9+	1.1−				
600928	675	0.6−	0.5−	970504	809	0.8+	0.9+				

3180 T-2 = 1992 JB$_5$ = 1997 JF$_{17}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

					P	Q
M	350.86161		(2000.0)			
n	0.19455928	ω	135.09812		−0.34333832	+0.93774327
a	2.9496336	Ω	114.75606		−0.87712969	−0.30015638
e	0.0305976	i	3.31436		−0.33580100	−0.17476760
P	5.07	H	13.5	G	0.15	U 6

Residuals in seconds of arc

730919	675	0.8−	0.8+	730929	675	0.9−	0.5+	920503	809	0.1−	0.9+
730919	675	0.1−	0.5−	730930	675	0.4−	1.1+	920503	809	0.4+	0.8+
730920	675	1.3+	0.5−	730930	675	0.6−	0.2−	970503	809	0.3+	0.2−
730924	675	0.4−	0.7−	731004	675	2.2+	1.8+	970503	809	0.1+	1.0−
730924	675	0.6−	0.6−	731004	675	1.3+	0.3−	970503	809	0.7−	0.5−
730925	675	1.0−	1.4−	731005	675	0.8+	0.4+	970504	809	(0.0	4.5−)
730925	675	1.0−	1.1−	731005	675	(3.4+	0.9+)	970504	809	(1.1−	4.0−)
730929	675	0.3+	0.5+	920503	809	(6.8−	0.4+)	970504	809	(1.4−	3.7−)

3268 T-3 = 1991 TE$_{10}$

Id. G. V. Williams (*MPC* 20518)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	75.97533		(2000.0)			
n	0.28115278	ω	318.00520		−0.95806227	−0.28311010
a	2.3076740	Ω	205.64991		+0.28254315	−0.90744690
e	0.0428570	i	5.87824		+0.04781272	−0.31046544
P	3.51	H	16.5	G	0.15	U 5

Residuals in seconds of arc

771007	675	0.6+	0.0	771017	675	0.5−	0.1−	911015	691	0.2−	0.5+
771011	675	1.0−	0.5−	771021	675	1.4−	0.6−	970610	691	0.3+	0.3+
771011	675	1.4+	0.2−	771021	675	1.6−	1.0−	970610	691	0.6+	0.2+
771012	675	0.9+	1.7+	911010	691	0.1−	0.3−	970610	691	0.0	0.8+
771012	675	2.1+	0.0	911010	691	0.0	0.1+	970611	691	0.3−	0.4−
771016	675	0.4+	0.9−	911010	691	0.4+	0.1−	970611	691	0.6−	0.4−
771016	675	0.3−	0.5−	911015	691	0.2−	0.6+	970611	691	0.0	0.6−
771017	675	0.4−	0.6+	911015	691	0.3−	0.7+				

3340 T-3 = 1997 JM$_{16}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

					P	Q
M	2.74694		(2000.0)			
n	0.23277398	ω	67.59403		−0.56619776	+0.82421135
a	2.6172574	Ω	167.90577		−0.77238862	−0.52637796
e	0.1332354	i	2.67678		−0.28781230	−0.20881065
P	4.23	H	15.0	G	0.15	U 6

Residuals in seconds of arc

771007	675	1.1+	1.5−	771016	675	0.1+	0.2−	970503	809	0.1−	0.2−
771011	675	0.2−	1.5+	771016	675	1.0+	0.3−	970503	809	0.2−	0.4+
771011	675	1.6−	1.0+	771017	675	0.2−	0.0	970504	809	0.3−	0.5+
771012	675	(1.7+	2.4−)	771017	675	0.1−	0.5−	970504	809	0.4+	0.1−
771012	675	(1.8+	3.5−)	970503	809	0.8+	0.3−	970504	809	0.5−	0.3−

3495 T-3 = 1997 HW$_{11}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	301.72689		(2000.0)			
n	0.23790433	ω	281.66873		+0.74440655	+0.66704611
a	2.5794937	Ω	36.50366		−0.59119673	+0.67939849
e	0.2670817	i	2.90412		−0.31039542	+0.30572401
P	4.14	H	16.0	G	0.15	U 6

Residuals in seconds of arc

771007	675	0.5+	1.7−	771021	675	0.2+	0.1−	970501	704	0.7+	0.1−
771011	675	1.1+	0.4+	771021	675	1.0+	0.3+	970501	704	0.4+	0.6−
771011	675	0.7−	0.6+	970430	704	0.4−	0.5−	970505	704	0.4−	0.3−
771012	675	0.3+	1.6+	970430	704	0.8−	1.0+	970505	704	0.5+	0.9+
771012	675	1.3+	0.0	970430	704	1.2+	0.7−	970505	704	1.0+	0.9+
771016	675	1.0−	0.4−	970430	704	1.3−	0.0	970505	704	(3.2−	0.1+)
771016	675	0.7−	0.2−	970430	704	0.7−	0.5+	970505	704	(2.5−	1.2+)
771017	675	0.6−	0.6−	970501	704	1.0+	0.1+				
771017	675	1.3−	0.1−	970501	704	1.3−	1.1−				

5078 T-3 = 1997 GL$_{39}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

					P	Q
M	297.23145		(2000.0)			
n	0.18008338	ω	219.97728		+0.29398778	+0.94007592
a	3.1056580	Ω	67.74676		−0.82232100	+0.34086959
e	0.0447777	i	10.75489		−0.48719540	−0.00807354
P	5.47	H	12.5	G	0.15	U 6

Residuals in seconds of arc

771011	675	0.8−	1.2+	771017	675	0.9+	0.9−	970407	809	1.4+	0.1+
771011	675	0.4−	0.3+	771017	675	1.4+	1.4−	970407	809	0.8+	0.0
771012	675	0.4−	0.4+	771021	675	0.2−	0.5+	970407	809	0.9+	0.5−
771012	675	0.8−	0.3+	771021	675	1.8−	0.7+	970408	809	0.9−	0.3+
771016	675	1.7+	0.7−	771022	675	(1.7−	2.7+)	970408	809	1.6−	0.1−
771016	675	1.4+	1.0−	771022	675	1.1−	0.6+	970408	809	0.6−	0.2+

Object	H	Epoch	M	ω	Ω	i	e	a	Obs.	Opp.	& Arc	rms	Perts	U	Computer	*MPC*	Object
1953 TD$_1$	14.5	970601	212.93620	193.72711	196.38960	4.53732	0.1640070	2.2859338	21	5	1953–1997	0.82	M-v	2	Marsden	26556	1953 TD$_1$
1969 TT$_1$	14.0	970601	141.67251	355.56229	26.53743	2.37117	0.1829244	2.4093810	28	5	1969–1997	0.84	M-v	2	Marsden	29939	1969 TT$_1$
1970 OB	14.0	970601	329.10991	211.90698	83.06221	4.75823	0.2198677	2.2573079	34	8	1956–1997	0.77	M-v	2	Marsden	28881	1970 OB
1973 QO$_1$	13.5	970601	208.90606	36.01881	317.76303	7.83380	0.2939889	2.6203012	16	4	1956–1997	0.79	M-v	3	Williams	21925	1973 QO$_1$
1973 SP$_1$	11.0	970601	261.53368	310.22460	156.06997	4.14891	0.0574419	5.2226222	32	4	1973–1996	0.63	M-v	1	Williams	29939	1973 SP$_1$
1974 XW	13.0	970601	69.20414	26.96527	79.70383	4.80744	0.1835391	2.6448621	20	5	1974–1997	0.76	M-v	2	Williams	22072	1974 XW
1977 QY$_3$	13.0	970601	328.93674	200.99489	96.30706	6.37831	0.1807564	2.2575791	22	6	1963–1997	0.84	M-v	2	Williams	29652	1977 QY$_3$
1977 QQ$_5$	15.0	970601	326.21513	247.71133	134.51400	25.19592	0.4660718	2.2263924	90	4	1977–1997	0.51	M-v	1	Williams	27565	1977 QQ$_5$

1978 NN_1	13.5	970601	317.47558	172.14857	143.11508	7.97617	0.2892975	2.8442623	38	6	1978–1997	0.80	M-v	1	Williams	28610	1978	NN_1
1978 RD_{10}	13.5	970601	220.27560	222.48436	168.64264	2.07895	0.1120619	2.9321622	44	7	1971–1997	0.85	M-v	2	Williams	29652	1978	RD_{10}
1978 SE_1	14.0	970601	239.00470	273.69970	84.02919	7.50792	0.1966570	2.5244390	27	6	1954–1997	0.84	M-v	2	Marsden	27453	1978	SE_1
1978 SD_7	14.5	970601	259.96922	97.38298	216.96624	3.73491	0.2002681	2.2280787	25	3	1978–1997	0.96	M-v	4	Williams	29939	1978	SD_7
1978 TH_7	12.0	970601	174.93328	257.41380	146.69675	9.67061	0.1479293	3.0368394	19	3	1978–1997	0.65	M-v	4	Marsden	28882	1978	TH_7
1978 UY_4	16.0	970601	183.51960	167.80470	222.15997	3.14461	0.2028493	2.2469165	17	3	1978–1997	0.72	M-v	4	Williams	26418	1978	UY_4
1979 KQ	14.0	970601	291.06225	148.14280	176.16425	5.19492	0.1189346	2.6781897	19	5	1976–1997	0.94	M-v	2	Williams	28882	1979	KQ
1980 RG_1	16.0	970601	317.61075	110.26691	238.54226	4.45222	0.4716059	2.6444856	37	3	1980–1997	0.55	M-v	2	Williams	22967	1980	RG_1
1981 EC_{13}	15.0	970601	32.47163	291.32173	310.55656	6.58553	0.0244529	2.9196138	31	6	1981–1997	0.80	M-v	1	Marsden	22696	1981	EC_{13}
1981 EP_{16}	15.0	970601	223.63383	90.25471	255.23194	3.98242	0.1766713	2.1716894	23	3	1981–1997	0.64	M-v	3	Williams	26755	1981	EP_{16}
1981 EY_{17}	14.5	970601	178.39040	247.26351	169.25541	2.22532	0.1591324	2.4531669	46	8	1950–1997	0.88	M-v	2	Williams	26755	1981	EY_{17}
1981 EH_{25}	16.5	970601	308.33182	10.78241	175.63320	4.55727	0.1148585	2.5968357	17	3	1981–1995	0.68	M-v	4	Marsden	26188	1981	EH_{25}
1981 EQ_{31}	15.0	970601	39.29207	269.36762	168.55993	6.37070	0.1487154	3.1720943	27	5	1981–1995	0.76	M-v	1	Marsden	23788	1981	EQ_{31}
1981 ER_{35}	14.0	970601	172.97030	108.78922	290.51677	8.07295	0.1125448	3.0031164	27	6	1979–1997	0.91	M-v	1	Marsden	26578	1981	ER_{35}
1981 RC_5	12.5	970601	306.40130	146.77211	175.67599	14.12047	0.1994798	2.5842117	19	6	1981–1997	0.93	M-v	2	Williams	27931	1981	RC_5
1981 TW_1	14.5	970601	304.13758	89.30914	238.27954	6.03290	0.2436764	2.2159970	18	4	1981–1997	0.90	M-v	2	Williams	26756	1981	TW_1
1981 UD_2	13.0	970601	201.15131	163.48221	230.00277	12.43358	0.1548550	2.6868750	26	5	1953–1997	0.74	M-v	1	Williams	28314	1981	UD_2
1981 WS_1	14.0	970601	326.70058	220.30212	66.50305	5.96206	0.1824015	2.2496682	23	4	1981–1997	0.93	M-v	2	Marsden	29132	1981	WS_1
1982 CE	14.5	970601	93.70450	15.41827	158.69394	3.38380	0.1247874	2.3257841	43	5	1954–1997	0.75	M-v	2	Marsden	26756	1982	CE
1982 FX_3	12.0	970601	206.54780	226.42988	12.45226	5.35886	0.1132301	3.1708977	36	6	1951–1996	0.63	M-v	1	Marsden	28611	1982	FX_3
1982 ST_7	15.0	970601	186.04905	57.29697	332.43533	4.00039	0.2899764	2.5696652	11	3	1982–1997	0.66	M-v	4	Williams	16231	1982	ST_7
1982 UM_2	14.0	970601	223.96214	250.65848	158.91090	2.26249	0.1405265	2.5208082	58	6	1954–1997	0.75	M-v	2	Marsden	27324	1982	UM_2
1984 BC	16.0	970601	9.74565	43.79429	129.49096	21.38618	0.5346346	3.4913572	63	2	1984–1997	0.63	M-v	1	Williams	29654	1984	BC
1984 MP	12.0	970601	344.44438	36.38969	225.74187	12.70984	0.1503228	2.6861115	33	5	1970–1997	0.66	M-v	1	Marsden	28315	1984	MP
1984 SZ_5	14.5	970601	275.02452	273.83612	13.35142	8.22379	0.2392823	2.3037141	45	3	1984–1997	0.74	M-v	4	Williams	29940	1984	SZ_5
1984 SC_6	14.0	970601	185.52951	209.56125	96.46769	3.31669	0.2079529	2.4018686	44	3	1984–1994	0.86	M-v	3	Williams	29940	1984	SC_6
1985 JG_2	13.0	970601	352.12078	198.19033	40.29050	4.85870	0.1541850	2.5404281	24	7	1978–1997	0.41	M-v	1	Williams	28612	1985	JG_2
1985 US	14.0	970601	183.40268	293.86533	125.19380	4.14396	0.0815950	2.7192154	28	5	1985–1997	0.68	M-v	1	Williams	29940	1985	US
1985 UG_2	14.5	970601	191.19815	252.51280	150.01726	1.91739	0.1173774	2.1978280	28	6	1954–1997	0.84	M-v	2	Williams	29940	1985	UG_2
1986 GZ	15.5	970601	297.93155	126.65932	199.64083	22.62910	0.2480725	2.3445480	35	3	1986–1997	0.76	M-v	2	Williams	22271	1986	GZ
1986 JA	13.5	970601	344.64036	103.39788	159.60211	11.95864	0.1753371	2.3737315	34	5	1954–1997	0.63	M-v	1	Williams	27726	1986	JA
1986 PU_1	15.0	970601	304.39417	324.06147	28.01730	1.97575	0.1995975	2.4031889	63	6	1975–1997	0.54	M-v	1	Williams	27119	1986	PU_1
1986 QQ_1	14.0	970601	181.34815	20.45533	27.89151	2.81818	0.2157061	2.5396156	46	3	1974–1997	0.55	M-v	4	Williams	29911	1986	QQ_1
1987 BZ_1	13.5	970601	192.68647	280.18418	140.33824	14.08490	0.1333998	2.6567587	25	4	1987–1997	0.73	M-v	2	Williams	27932	1987	BZ_1
1987 QN	10.5	970601	252.96146	217.57068	147.51124	20.32529	0.0584753	5.3027181	42	4	1987–1997	0.77	M-v	2	Williams	25439	1987	QN
1987 RC_1	12.0	970601	286.46699	254.64270	36.40527	1.25038	0.1349351	3.2010955	69	7	1953–1997	0.83	M-v	1	Williams	28612	1987	RC_1
1987 RL_1	15.5	970601	295.08065	189.38580	131.11355	1.27285	0.2363161	2.3112316	41	2	1987–1997	0.61	M-v	5	Williams	29941	1987	RL_1
1987 SV_{12}	13.0	970601	268.42234	277.92893	75.10176	2.49784	0.2169635	3.1312448	29	7	1952–1997	0.58	M-v	1	Williams	27932	1987	SV_{12}
1987 SU_{17}	13.5	970601	281.37194	120.88149	214.73095	6.34030	0.1323726	2.3422650	20	4	1987–1997	0.75	M-v	2	Williams	24239	1987	SU_{17}
1987 TA	14.0	970601	280.44564	17.64038	340.79681	4.54895	0.2419139	2.3127641	24	5	1980–1997	0.69	M-v	2	Williams	26756	1987	TA
1988 AX_4	14.0	970601	259.07324	169.65843	176.52418	6.14761	0.1485276	2.4339589	42	4	1988–1997	0.48	M-v	1	Marsden	29655	1988	AX_4
1988 JP	12.5	970601	317.21261	256.71875	79.44202	29.39804	0.3614755	2.6297620	20	4	1988–1997	0.63	M-v	2	Williams	23246	1988	JP
1988 QY	10.5	970601	287.82886	92.92356	222.65214	29.77015	0.0679393	5.1173980	25	7	1954–1997	0.79	M-v	1	Marsden	29941	1988	QY
1988 RN_{10}	12.5	970601	11.99294	78.82493	153.68826	16.56693	0.0334768	5.1475197	18	4	1988–1997	0.65	M-v	1	Williams	23246	1988	RN_{10}
1988 RT_{12}	12.5	970601	272.90863	134.34363	197.73248	6.48917	0.1595284	5.2280034	26	5	1977–1997	0.76	M-v	1	Marsden	28884	1988	RT_{12}
1988 RX_{12}	13.0	970601	229.48662	167.93369	194.50278	9.80814	0.1092006	3.0110510	24	5	1951–1997	0.85	M-v	1	Williams	28884	1988	RX_{12}
1988 SL_3	11.0	970601	278.03512	215.93451	122.59797	25.15362	0.0899636	5.1895252	22	4	1988–1997	0.43	M-v	1	Williams	21972	1988	SL_3
1988 VS_1	14.0	970601	260.52639	246.09869	102.14188	3.23544	0.2046193	2.2078710	27	4	1988–1997	0.76	M-v	2	Marsden	29941	1988	VS_1
1988 VY_2	11.5	970601	243.87748	280.51216	64.27720	12.41698	0.1017743	3.1611235	20	4	1988–1997	0.96	M-v	2	Marsden	29941	1988	VY_2
1988 XB	18.5	970601	312.29069	279.91047	73.60607	3.12456	0.4817473	1.4674489	207	5	1988–1997	0.63	M-v	2	Williams	29941	1988	XB
1989 BV_1	14.0	970601	62.99677	181.25671	336.91057	1.91668	0.1370675	2.4120436	27	3	1989–1997	0.96	M-v	4	Marsden	23537	1989	BV_1
1989 CH_4	13.5	970601	32.39711	231.25959	328.41875	2.05443	0.1517050	2.4162042	46	4	1989–1997	0.79	M-v	4	Williams	29941	1989	CH_4

1989 EX	13.0	970601	357.92944	60.21077	135.76809	11.80978	0.1294071	2.5599171	17	3	1989–1997	0.88	M-v	4	Williams	29941	1989 EX
1989 GL_4	13.5	970601	335.58669	26.98452	204.62702	13.48113	0.1223690	2.5405276	14	3	1989–1997	0.90	M-v	4	Williams	23514	1989 GL_4
1989 SW_2	13.0	970601	6.33147	129.37559	83.90859	5.72681	0.1486310	2.8722737	33	5	1989–1997	0.68	M-v	2	Williams	29134	1989 SW_2
1989 SZ_4	14.5	970601	82.07318	23.46461	55.27505	3.70755	0.0713485	2.1830341	23	2	1989–1997	0.60	M-v	5	Williams	28843	1989 SZ_4
1989 WC_3	14.5	970601	110.17932	192.25587	241.06379	2.76118	0.0708605	2.1875205	29	5	1953–1997	0.84	M-v	2	Williams	29913	1989 WC_3
1990 FH	14.0	970601	14.55675	145.19789	50.71505	24.50327	0.2266834	2.3061878	30	3	1990–1997	0.66	M-v	3	Williams	29942	1990 FH
1990 MR	14.5	970601	357.62919	7.22385	248.54762	6.88849	0.2176156	2.3421587	20	4	1980–1997	0.75	M-v	3	Williams	21974	1990 MR
1990 OK_3	14.5	970601	287.25011	204.45334	127.85489	3.08722	0.2153661	2.4070557	27	5	1990–1997	0.73	M-v	1	Williams	29942	1990 OK_3
1990 QE_9	13.5	970601	74.96534	58.30693	352.98905	1.72227	0.0605535	2.8700893	43	3	1990–1996	0.74	M-v	3	Marsden	28614	1990 QE_9
1990 SL	13.5	970601	330.08470	222.49437	77.17043	24.84405	0.2835443	2.3624294	18	5	1983–1997	0.78	M-v	2	Williams	24582	1990 SL
1990 SR_6	14.0	970601	220.39284	310.34398	69.58133	2.14366	0.1728856	2.5486269	30	6	1978–1997	0.77	M-v	2	Williams	29942	1990 SR_6
1990 UK	13.5	970601	201.98283	338.38843	50.76896	15.80620	0.1105714	2.6207058	24	2	1990–1997	0.64	M-v	4	Marsden	29942	1990 UK
1990 UA_2	15.5	970601	220.53354	279.42507	114.01017	4.33193	0.2658115	2.5605400	15	3	1990–1997	0.65	M-v	4	Williams	28844	1990 UA_2
1990 UB_4	14.0	970601	147.30869	240.98813	185.87910	10.14770	0.1299474	2.7282902	21	3	1990–1997	0.87	M-v	4	Williams	24912	1990 UB_4
1990 UG_5	15.5	970601	160.56245	205.73027	184.17286	8.70306	0.1562708	2.7739418	26	4	1990–1997	0.67	M-v	2	Williams	29914	1990 UG_5
1990 VE_1	13.0	970601	230.80305	220.79316	138.53775	14.38074	0.1698851	2.6188628	20	6	1950–1997	0.83	M-v	2	Williams	27728	1990 VE_1
1990 VS_4	14.5	970601	264.58029	138.89678	206.92059	11.91116	0.1934391	2.5675325	23	4	1986–1997	0.80	M-v	4	Marsden	29658	1990 VS_4
1991 AB	12.5	970601	228.30774	269.26673	128.19690	12.27830	0.1997014	2.6654530	39	4	1991–1997	0.62	M-v	2	Williams	27325	1991 AB
1991 AD	12.5	970601	227.66917	125.60404	262.04149	7.65572	0.1755328	2.6969675	33	9	1982–1997	0.77	M-v	1	Williams	29942	1991 AD
1991 AN_2	12.5	970601	301.73919	173.32302	147.34898	17.73236	0.1790863	2.5578816	28	5	1991–1997	0.87	M-v	2	Williams	26925	1991 AN_2
1991 CS	17.5	970601	177.68517	249.42099	156.91815	37.12221	0.1645835	1.1227302	192	2	1991–1997	0.60	M-v	1	Williams	29942	1991 CS
1991 CE_1	12.5	970601	15.53446	332.84395	217.25860	5.48694	0.0713488	3.1674534	19	5	1969–1997	0.55	M-v	2	Williams	29914	1991 CE_1
1991 EJ_4	11.5	970601	306.35776	327.52946	314.48724	4.12115	0.1167194	3.0714594	25	5	1982–1997	0.56	M-v	1	Williams	26740	1991 EJ_4
1991 GQ	12.5	970601	74.24063	298.07451	219.53256	15.62738	0.0658404	3.1796070	24	6	1988–1997	0.81	M-v	1	Marsden	28886	1991 GQ
1991 GE_9	13.5	970601	128.80202	324.07909	119.47325	2.14285	0.1731913	3.1462429	42	3	1988–1997	0.82	M-v	3	Marsden	29942	1991 GE_9
1991 GM_9	13.0	970601	45.49770	43.80665	130.28190	2.09468	0.1283627	3.2043575	37	7	1949–1997	0.93	M-v	1	Williams	29942	1991 GM_9
1991 JW	19.5	970601	141.74892	301.81228	54.06763	8.72115	0.1183194	1.0383465	26	3	1991–1997	0.78	M-v	3	Williams	22431	1991 JW
1991 NS_1	14.0	970601	202.13273	126.69997	173.14123	6.62781	0.1744305	2.4329502	34	3	1991–1995	0.76	M-v	3	Marsden	29942	1991 NS_1
1991 PK	15.0	970601	249.67372	211.72699	153.90075	2.69320	0.1974585	2.2025305	21	5	1978–1997	0.76	M-v	2	Marsden	29942	1991 PK
1991 RU_7	15.5	970601	193.31306	222.93580	178.49213	6.73613	0.2108140	2.3069074	17	3	1977–1997	0.47	M-v	5	Williams	24105	1991 RU_7
1991 RR_{12}	15.5	970601	158.32405	17.70332	23.95858	3.40913	0.2345579	2.3696901	27	4	1984–1997	0.76	M-v	1	Williams	29659	1991 RR_{12}
1991 RD_{16}	16.0	970601	252.26150	216.84604	154.56947	4.73867	0.2004595	2.2171057	22	3	1991–1997	0.63	M-v	4	Williams	26902	1991 RD_{16}
1991 RH_{25}	13.5	970601	238.34323	288.98232	68.48997	7.09930	0.1652856	2.3004248	22	5	1953–1997	0.73	M-v	2	Marsden	26925	1991 RH_{25}
1991 TP_1	14.0	970601	300.13544	82.39391	234.28666	3.79269	0.2156792	2.2040950	43	4	1991–1997	0.72	M-v	3	Williams	29943	1991 TP_1
1991 TH_3	16.0	970601	122.04118	193.05612	213.13885	7.50516	0.2864423	2.5373661	19	3	1991–1997	0.55	M-v	5	Williams	26399	1991 TH_3
1991 UO_2	14.0	970601	207.23335	290.19312	113.15908	4.74236	0.1977972	2.3234011	21	4	1984–1997	0.88	M-v	2	Williams	27935	1991 UO_2
1991 UE_3	13.5	970601	324.23234	208.73226	76.64310	7.32955	0.1903960	2.2570079	24	4	1974–1997	0.68	M-v	3	Marsden	29943	1991 UE_3
1991 VH	16.5	970601	250.54672	207.06898	139.48801	13.91670	0.1438603	1.1365315	174	2	1991–1997	0.55	M-v	2	Williams	29943	1991 VH
1991 VJ_1	15.0	970601	134.03112	275.43351	107.88261	2.42925	0.3150761	2.5678274	45	2	1991–1995	0.51	M-v	3	Marsden	26190	1991 VJ_1
1991 VM_4	14.5	970601	184.92706	32.09657	27.41223	2.98300	0.1834474	2.3816567	24	7	1954–1997	0.67	M-v	2	Williams	27455	1991 VM_4
1991 YC	13.5	970601	95.68569	24.24866	109.35148	14.96576	0.2138301	2.5756992	24	4	1988–1997	0.62	M-v	3	Williams	26926	1991 YC
1992 AN	13.0	970601	257.22635	241.07254	117.10600	23.47624	0.2793731	2.3410080	18	4	1989–1997	0.70	M-v	2	Williams	29943	1992 AN
1992 AR_1	13.0	970601	50.19007	235.16474	290.15218	6.56999	0.1907989	2.6761297	21	4	1986–1997	0.70	M-v	2	Williams	28886	1992 AR_1
1992 BU_4	16.5	970601	250.83190	212.75780	172.85972	6.41286	0.2577000	2.3257832	21	3	1992–1997	0.51	M-v	3	Williams	26400	1992 BU_4
1992 CC_1	15.5	970601	191.09832	21.89209	349.30754	36.89493	0.3750184	1.3915020	141	4	1992–1997	0.59	M-v	2	Williams	29943	1992 CC_1
1992 EX_9	14.5	970601	168.14963	241.18706	181.83931	3.71792	0.1913779	2.5829422	14	3	1992–1997	0.83	M-v	4	Marsden	25650	1992 EX_9
1992 EZ_9	13.5	970601	358.38000	60.96895	177.06364	4.22089	0.0203091	2.6584244	24	6	1985–1997	0.64	M-v	1	Marsden	29943	1992 EZ_9
1992 EQ_{14}	12.5	970601	85.15615	259.62241	220.71223	2.73298	0.0464169	2.7935214	15	4	1985–1997	0.69	M-v	2	Williams	29916	1992 EQ_{14}
1992 FS	13.0	970601	335.12338	245.70024	36.34005	5.71716	0.1404612	2.7228238	24	7	1951–1997	0.84	M-v	1	Williams	29660	1992 FS
1992 FA_2	12.5	970601	173.85197	347.60930	74.17775	6.31985	0.0493861	2.7364005	15	3	1992–1997	0.76	M-v	4	Marsden	24583	1992 FA_2
1992 LR	18.0	970601	344.69681	67.75826	233.22220	2.02355	0.4092911	1.8309125	174	2	1992–1997	0.67	M-v	0	Williams	29916	1992 LR
1993 BO_3	14.0	970601	143.97693	355.34206	84.74848	4.59492	0.1438924	2.2730471	36	3	1993–1997	0.70	M-v	3	Williams	29943	1993 BO_3

1993 BS_3	13.5	970601	75.55036	211.98191	295.66245	6.85939	0.1168599	2.3096577	21	3	1993–1997	0.79	M-v	3	Williams	26421	1993	BS_3
1993 CO_1	14.0	970601	100.81514	268.24698	216.19473	4.02448	0.1034707	2.3181421	26	5	1990–1997	0.92	M-v	1	Marsden	28616	1993	CO_1
1993 EJ	14.0	970601	19.01690	162.39378	49.72974	7.04638	0.0750833	2.4151943	18	2	1993–1997	0.90	M-v	4	Williams	29917	1993	EJ
1993 FQ	14.0	970601	51.26739	325.56462	220.69470	7.76896	0.1352262	2.3987221	21	6	1976–1997	0.80	M-v	2	Williams	26580	1993	FQ
1993 FW	7.0	970601	321.50670	47.09607	187.92647	7.76195	0.0468887	43.5874099	59	5	1993–1997	0.57	M-v	4	Marsden	27121	1993	FW
1993 FR_3	13.5	970601	321.76247	73.45263	209.04089	5.72594	0.1202540	2.4207256	30	7	1949–1997	0.70	M-v	1	Williams	29944	1993	FR_3
1993 FM_{10}	15.0	970601	351.18028	171.96037	75.25422	2.50775	0.1381994	2.4252515	25	3	1960–1997	0.72	M-v	4	Williams	29944	1993	FM_{10}
1993 FR_{13}	15.0	970601	121.42789	46.62979	50.73079	6.15824	0.1217610	2.3916498	17	2	1993–1997	0.77	M-v	5	Williams	29918	1993	FR_{13}
1993 FN_{16}	13.0	970601	229.31723	166.01127	130.77942	5.07565	0.0697023	2.7691698	22	4	1990–1997	0.72	M-v	2	Williams	29944	1993	FN_{16}
1993 FC_{22}	14.5	970601	303.22148	114.49429	187.83915	1.47078	0.1373657	2.4297991	27	5	1971–1997	0.43	M-v	2	Williams	29918	1993	FC_{22}
1993 FV_{31}	14.0	970601	84.83209	32.23949	107.23508	3.31704	0.0413425	2.4328136	39	3	1993–1997	0.83	M-v	2	Marsden	29944	1993	FV_{31}
1993 FY_{34}	15.0	970601	340.48677	86.07426	172.26284	6.24882	0.0984140	2.4260244	16	3	1993–1997	0.46	M-v	4	Williams	29919	1993	FY_{34}
1993 FR_{58}	14.0	970601	62.65419	190.62616	237.03618	1.01217	0.0898808	2.8333836	46	4	1986–1995	0.73	M-v	3	Marsden	27936	1993	FR_{58}
1993 FK_{81}	12.5	970601	282.13683	14.43317	172.34432	9.97558	0.0420085	3.0521363	15	2	1993–1995	0.51	M-v	5	Marsden	27916	1993	FK_{81}
1993 GO	13.5	970601	18.25298	143.43653	57.98093	13.54762	0.1844052	2.5381716	51	5	1985–1997	0.68	M-v	3	Williams	29944	1993	GO
1993 MC	12.5	970601	2.65095	37.94213	220.61801	12.92318	0.2320461	2.5543625	25	5	1990–1997	0.72	M-v	2	Marsden	27936	1993	MC
1993 NV	13.5	970601	290.74471	42.22982	245.34020	0.79171	0.0529847	2.8737523	21	3	1993–1997	0.89	M-v	5	Williams	29919	1993	NV
1993 OR_8	14.0	970601	173.27157	270.44196	137.45356	2.87438	0.2401692	3.0664804	25	3	1993–1997	0.82	M-v	3	Williams	29944	1993	OR_8
1993 QP	18.5	970601	24.65453	46.46881	297.44904	7.25084	0.4694789	2.3073155	98	1	76 days	0.47	M-v	4	Williams	22827	1993	QP
1993 QD_3	13.0	970601	143.31703	296.67799	162.65434	9.99354	0.0605683	3.0643467	18	3	1993–1997	0.60	M-v	4	Williams	29662	1993	QD_3
1993 QF_3	13.0	970601	40.05966	26.86027	153.76815	2.06583	0.1276925	3.1628814	21	2	1993–1997	0.77	M-v	5	Williams	29919	1993	QF_3
1993 RR_2	15.5	970601	320.96765	161.97041	155.02822	11.38330	0.4903266	2.6577146	43	3	1993–1997	0.65	M-v	3	Williams	29944	1993	RR_2
1993 SC	7.0	970601	37.10616	318.04554	354.61884	5.14389	0.1912899	39.8362106	73	4	1993–1996	0.53	M-v	3	Marsden	28317	1993	SC
1993 SK_3	13.0	970601	181.37343	128.51556	311.13188	2.26955	0.2744126	3.2377447	30	4	1982–1995	0.63	M-v	2	Marsden	29662	1993	SK_3
1993 TP_{15}	14.0	970601	321.77853	156.41640	126.52285	2.21653	0.1577038	3.0542767	19	2	1993–1997	0.68	M-v	5	Williams	29920	1993	TP_{15}
1993 UC	15.5	970601	310.38883	323.02095	166.04195	26.04162	0.6636386	2.4361462	246	4	1989–1996	0.55	M-v	1	Williams	27730	1993	UC
1993 WA	13.5	970601	248.16915	166.37941	207.00379	21.09293	0.0679102	3.1432817	43	4	1954–1997	0.63	M-v	1	Williams	28616	1993	WA
1993 WD	17.0	970601	70.72211	132.28181	56.59067	63.46133	0.2666155	1.0066831	287	5	1991–1997	0.61	M-v	3	Williams	28888	1993	WD
1994 CY	13.5	970601	236.63876	114.14891	259.85826	14.47889	0.3186772	3.1569573	56	4	1993–1997	0.68	M-v	2	Marsden	27121	1994	CY
1994 EV_3	7.0	970601	165.64272	15.86034	19.52583	1.66707	0.0446742	42.8276704	32	3	1994–1997	0.73	M-c	6	Marsden	25228	1994	EV_3
1994 GV_9	7.0	970601	53.39586	301.89878	176.82712	0.55757	0.0577812	43.5388467	24	4	1994–1997	0.81	M-v	5	Marsden	27121	1994	GV_9
1994 JD	14.5	970601	156.47915	14.85670	96.34207	23.54060	0.0772247	1.9343026	31	4	1986–1997	0.62	M-v	2	Marsden	26422	1994	JD
1994 JS	8.0	970601	326.13624	237.23006	56.34075	14.04601	0.2202426	42.3747558	30	3	1994–1997	0.53	M-v	4	Marsden	25539	1994	JS
1994 JQ_1	7.0	970601	299.76500	253.05927	25.66692	3.75238	0.0504159	44.0392687	26	3	1994–1997	0.43	M-v	4	Marsden	25228	1994	JQ_1
1994 JR_1	7.5	970601	1.72115	102.19615	144.85830	3.80100	0.1209629	39.5484538	29	3	1994–1997	0.42	M-v	5	Williams	25341	1994	JR_1
1994 JS_1	14.0	970601	287.80055	22.25134	168.82424	19.44804	0.3511464	2.6033238	32	2	1994–1995	0.66	M-v	3	Marsden	25643	1994	JS_1
1994 LX	15.0	970601	220.80590	349.06652	111.34162	36.90524	0.3463591	1.2615941	138	4	1977–1997	0.62	M-v	2	Williams	29945	1994	LX
1994 ND	18.0	970601	315.50566	227.91335	102.83200	27.19967	0.5165849	2.1657472	64	2	1994–1997	0.69	M-v	1	Williams	29619	1994	ND
1994 NS	14.5	970601	325.74763	79.04602	203.81299	6.48058	0.2396446	2.1669307	24	4	1988–1997	0.86	M-v	3	Williams	29945	1994	NS
1994 PL	13.5	970601	305.24165	106.92287	220.88928	23.34392	0.2359156	2.2676098	59	5	1953–1997	0.66	M-v	1	Marsden	26927	1994	PL
1994 PX	13.5	970601	210.08267	192.58767	155.79885	13.17471	0.1495007	2.7893037	29	4	1989–1997	0.62	M-v	2	Williams	29945	1994	PX
1994 PS_{11}	14.0	970601	222.93994	152.70656	233.51971	2.31671	0.0575275	2.3982833	24	3	1994–1997	0.76	M-v	3	Williams	26744	1994	PS_{11}
1994 PH_{18}	16.0	970601	354.46090	73.20306	166.78283	2.52462	0.1682023	2.3551570	45	3	1991–1997	0.79	M-v	4	Marsden	29945	1994	PH_{18}
1994 PB_{30}	15.0	970601	300.81132	61.28055	222.37112	4.74212	0.1331872	2.4525136	15	3	1991–1997	0.85	M-v	4	Williams	29921	1994	PB_{30}
1994 PQ_{32}	15.5	970601	274.34878	141.62237	190.35334	5.53198	0.1249086	2.3894131	18	4	1979–1997	0.79	M-v	2	Williams	25341	1994	PQ_{32}
1994 PA_{39}	16.0	970601	334.19011	41.13374	217.62706	2.38907	0.1900483	2.3244343	19	4	1973–1997	0.82	M-v	2	Williams	29138	1994	PA_{39}
1994 QC	18.5	970601	355.04483	94.17518	162.60225	13.87119	0.1179082	1.3243680	170	2	1994–1997	0.62	M-v	2	Marsden	29945	1994	QC
1994 QW	13.5	970601	275.69636	215.00903	136.35795	8.38817	0.1108829	2.3021796	53	5	1987–1997	0.61	M-v	1	Williams	29945	1994	QW
1994 RC	19.0	970601	306.80276	284.41032	346.11878	4.73112	0.6015691	2.2667984	70	1	40 days	0.58	M-v	6	Williams	25539	1994	RC
1994 RU	13.5	970601	277.37302	276.25411	47.47432	3.00863	0.1944836	2.4249467	14	4	1979–1996	0.71	M-v	2	Williams	29921	1994	RU
1994 TP	13.0	970601	156.69879	194.93652	202.15956	7.27130	0.1185906	3.1394775	26	4	1977–1997	0.73	M-v	2	Williams	29921	1994	TP
1994 TL_3	15.0	970601	282.94973	168.22384	222.01572	9.27005	0.1133232	2.2767845	47	4	1980–1997	0.64	M-v	1	Williams	29945	1994	TL_3

1994 TS_3	12.5	970601	251.47021	315.34675	34.25646	14.26247	0.2053603	2.6764240	32	3	1994–1997	0.50	M-v	3	Williams	29945	1994 TS_3
1994 TT_3	14.0	970601	291.51828	127.47393	208.17437	22.72874	0.2687837	2.4397967	17	3	1986–1997	0.88	M-v	2	Williams	24398	1994 TT_3
1994 TM_{14}	13.5	970601	206.27185	252.52581	198.49759	6.10493	0.0667060	2.3594431	29	4	1985–1997	0.51	M-v	3	Williams	29663	1994 TM_{14}
1994 UE_1	13.5	970601	220.48950	148.38092	242.47798	6.59871	0.1111197	2.7113950	30	4	1976–1997	0.63	M-v	2	Williams	28617	1994 UE_1
1994 UT_1	13.5	970601	225.01041	331.15306	45.06192	14.61406	0.1882175	2.7106526	23	2	1994–1997	0.64	M-v	4	Williams	29622	1994 UT_1
1994 UJ_{11}	13.0	970601	298.52226	222.51005	78.80060	4.28866	0.0931562	2.6866957	35	4	1992–1997	0.70	M-v	1	Williams	29922	1994 UJ_{11}
1994 VT_6	13.5	970601	183.80397	328.85655	74.47767	3.05862	0.1216949	2.9261098	24	2	1994–1997	0.77	M-v	4	Marsden	29945	1994 VT_6
1994 WQ_3	12.0	970601	254.70900	170.80818	168.53189	8.40739	0.1523208	2.9085137	18	3	1994–1997	0.67	M-v	4	Williams	26745	1994 WQ_3
1994 XS	14.0	970601	278.66838	207.07663	126.24678	7.92702	0.1172381	3.0054911	33	3	1994–1997	0.49	M-v	3	Williams	29945	1994 XS
1994 YR	14.5	970601	292.90530	243.12274	102.34871	4.29483	0.2906166	2.6205764	27	2	1994–1997	0.65	M-v	4	Marsden	29922	1994 YR
1995 BQ_3	13.5	970601	269.10738	256.10478	150.54651	9.43242	0.1932641	2.6431888	21	3	1989–1995	0.44	M-v	3	Marsden	29664	1995 BQ_3
1995 DB_2	7.5	970601	10.74201	349.41959	128.63887	4.10649	0.1336525	46.2668856	25	3	1995–1997	0.67	M-v	6	Marsden	29664	1995 DB_2
1995 DC_2	7.0	970601	247.12287	121.59654	154.18057	2.34442	0.0710203	43.8718904	45	3	1995–1997	0.58	M-v	5	Marsden	29138	1995 DC_2
1995 DE_2	13.0	970601	297.53732	68.60911	324.55710	3.69002	0.0775745	2.6313161	28	4	1989–1995	0.57	M-v	2	Marsden	28889	1995 DE_2
1995 HM_5	8.0	970601	324.87920	60.90621	186.68545	4.82137	0.2524070	39.4392958	19	3	1995–1997	0.55	M-v	4	Marsden	29138	1995 HM_5
1995 SL	14.5	970601	127.34838	87.46134	313.67688	5.71882	0.1265058	2.4547821	39	3	1993–1997	0.47	M-v	2	Marsden	29139	1995 SL
1995 SZ_3	14.0	970601	167.16678	170.19806	202.65914	6.11955	0.2394433	2.3466121	22	4	1959–1997	0.72	M-v	3	Williams	27731	1995 SZ_3
1995 SD_{53}	15.5	970601	139.65055	206.76531	178.96952	5.41971	0.1499174	2.4192714	20	2	1995–1997	0.63	M-v	5	Marsden	29624	1995 SD_{53}
1995 TD	15.0	970601	209.86162	142.53127	186.73148	6.38950	0.1562426	2.2283653	42	3	1992–1997	0.40	M-v	3	Williams	29923	1995 TD
1995 UX_5	13.5	970601	99.93226	156.50196	297.34552	6.30688	0.0736384	2.3866484	20	5	1980–1997	0.46	M-v	1	Marsden	26760	1995 UX_5
1995 UK_6	14.5	970601	174.22570	30.04624	341.68205	1.89868	0.2034724	2.4016533	21	4	1980–1997	0.57	M-v	2	Marsden	29665	1995 UK_6
1995 VA_2	14.0	970601	349.44551	137.83533	59.96348	10.09253	0.0586989	2.5531327	33	3	1989–1997	0.54	M-v	3	Williams	29319	1995 VA_2
1995 VU_{18}	11.5	970601	327.88415	143.98246	117.31011	10.82738	0.0450483	3.0230266	38	3	1992–1997	0.48	M-v	2	Williams	29139	1995 VU_{18}
1995 WF_3	13.5	970601	84.53441	68.98855	57.62678	11.53350	0.2303072	2.6541631	11	3	1992–1997	0.83	M-v	3	Marsden	26409	1995 WF_3
1995 WZ_3	13.0	970601	40.30654	142.74461	61.70342	7.20046	0.1478597	2.2973506	22	6	1976–1997	0.65	M-v	2	Williams	29139	1995 WZ_3
1995 WZ_4	14.5	970601	102.36700	9.59414	104.97041	3.63749	0.1403428	2.4355511	24	3	1985–1997	0.46	M-v	3	Williams	26760	1995 WZ_4
1995 WH_7	14.0	970601	146.97534	293.27828	140.66295	3.09745	0.1449889	2.4120697	37	4	1989–1997	0.53	M-v	3	Marsden	29946	1995 WH_7
1995 XB_2	14.0	970601	211.91042	266.58081	46.88759	2.16077	0.0384531	2.3526411	29	3	1990–1997	0.71	M-v	3	Williams	29665	1995 XB_2
1995 XP_4	14.5	970601	61.62612	334.19562	197.78608	4.77059	0.0894241	2.2698661	30	5	1978–1997	0.64	M-v	1	Williams	28618	1995 XP_4
1995 YG	15.0	970601	296.39585	78.77881	212.46429	2.52641	0.1726740	2.2890956	24	5	1984–1997	0.70	M-v	2	Williams	29946	1995 YG
1995 YM	12.0	970601	8.20674	104.01084	102.63799	17.28388	0.1805423	3.1248869	28	3	1980–1997	0.50	M-v	3	Marsden	29924	1995 YM
1995 YC_1	13.0	970601	260.62463	192.31731	109.23180	17.15528	0.0548876	3.0342681	28	4	1991–1997	0.78	M-v	1	Williams	28595	1995 YC_1
1995 YM_2	15.0	970601	143.91015	25.56981	71.18353	4.09823	0.1315668	2.3779789	15	3	1991–1997	0.49	M-v	5	Williams	26573	1995 YM_2
1995 YH_3	15.0	970601	212.80152	264.05393	113.19621	8.75426	0.2306754	2.2847497	15	3	1991–1997	0.41	M-v	3	Williams	26574	1995 YH_3
1995 YU_9	14.0	970601	214.70189	65.76421	290.09424	9.25443	0.0666714	3.0078987	31	5	1988–1997	0.70	M-v	1	Marsden	29139	1995 YU_9
1996 AC	13.0	970601	72.90708	26.46321	119.78800	16.07776	0.2235366	3.1712490	16	4	1951–1997	0.33	M-v	1	Williams	26761	1996 AC
1996 AE	14.5	970601	178.53689	166.24988	239.82351	5.14505	0.1350970	2.3720801	70	3	1989–1997	0.54	M-v	3	Marsden	29946	1996 AE
1996 AB_1	13.0	970601	123.78439	339.54933	115.10189	3.26477	0.0406511	2.8607697	23	5	1980–1997	0.76	M-v	1	Williams	28618	1996 AB_1
1996 AO_1	15.0	970601	194.70846	326.51478	69.54923	3.91922	0.1931580	2.3915224	57	2	1996–1997	0.70	M-v	4	Marsden	29946	1996 AO_1
1996 AL_2	12.5	970601	354.65824	134.14763	106.21821	14.18550	0.1291392	2.6447194	34	3	1991–1997	0.39	M-v	3	Williams	29947	1996 AL_2
1996 AS_2	14.0	970601	117.33432	49.53533	38.87092	2.00675	0.1877607	3.1462716	13	3	1985–1997	0.42	M-v	5	Williams	26749	1996 AS_2
1996 AD_4	13.5	970601	323.39013	85.81435	221.72999	5.67267	0.1475792	2.3013585	28	5	1980–1997	0.86	M-v	2	Williams	27457	1996 AD_4
1996 AF_4	15.0	970601	147.56890	220.74218	215.55808	6.06364	0.2412656	2.6217700	17	3	1990–1997	0.94	M-v	4	Marsden	27457	1996 AF_4
1996 AN_{15}	15.0	970601	137.64151	4.81827	131.81174	7.61892	0.0361926	2.2910169	38	5	1989–1997	0.70	M-v	2	Williams	29947	1996 AN_{15}
1996 BG	13.5	970601	104.81193	41.23093	94.23033	12.81193	0.1453642	2.6631296	45	4	1973–1997	0.61	M-v	1	Marsden	27123	1996 BG
1996 BW_4	15.5	970601	208.56184	343.99640	72.54200	3.65483	0.1606983	2.2542835	27	6	1981–1997	0.43	M-v	1	Marsden	28618	1996 BW_4
1996 CC	13.0	970601	120.90388	328.22030	61.46885	19.50338	0.1290117	2.7010946	31	3	1990–1997	0.49	M-v	3	Williams	28890	1996 CC
1996 CL	13.5	970601	186.02457	335.92440	98.69461	5.55966	0.1318168	2.4773226	44	4	1992–1997	0.45	M-v	1	Williams	29629	1996 CL
1996 CX_7	14.0	970601	288.31849	227.11631	126.98760	6.37041	0.2021944	2.2219397	22	5	1991–1997	0.84	M-v	2	Williams	29947	1996 CX_7
1996 CS_8	12.5	970601	15.02977	100.95897	129.19060	6.12551	0.0929461	3.1250131	20	5	1988–1997	0.71	M-v	1	Williams	29947	1996 CS_8
1996 DD_1	15.0	970601	126.28882	344.02346	115.55495	22.81590	0.0675080	2.6726128	40	2	1996–1997	0.44	M-v	3	Marsden	29947	1996 DD_1
1996 EW_2	14.0	970601	21.83442	305.80782	334.60490	3.28487	0.1306645	2.2311369	32	4	1977–1997	0.61	M-v	2	Williams	29140	1996 EW_2

1996 FO_5	14.0	970601	139.29013	118.00120	20.73492	8.89548	0.1404473	2.3675239	61	4	1978–1997	0.45	M-v	2	Williams	29666	1996 FO_5
1996 GS	13.5	970601	264.39586	183.03681	190.67181	9.31792	0.1763524	2.7640978	30	2	1996–1997	0.41	M-v	4	Marsden	29925	1996 GS
1996 GG_2	14.5	970601	288.97132	64.13897	283.91596	1.15564	0.2548191	2.6425934	31	5	1976–1997	0.73	M-v	2	Williams	29140	1996 GG_2
1996 HV_{24}	13.5	970601	232.46588	209.31941	218.40616	7.69562	0.0268574	3.0332920	30	5	1990–1997	0.94	M-v	1	Williams	27569	1996 HV_{24}
1996 LH	15.0	970601	84.25739	231.72590	358.99236	7.24379	0.1087262	2.4182389	57	5	1977–1997	0.48	M-v	1	Williams	27731	1996 LH
1996 SK	17.0	970601	36.57763	283.44484	198.29788	1.96048	0.7965773	2.4278324	82	2	1996–1997	0.60	M-v	4	Williams	29925	1996 SK
1996 XW_1	19.0	970601	39.72789	264.42230	248.11059	30.59398	0.4542520	1.7255006	86	1	187 days	0.74	M-v	4	Williams	28870	1996 XW_1
1996 YU_1	13.0	970601	128.83236	251.69982	113.17035	14.67281	0.1693844	2.6112883	39	4	1990–1997	0.57	M-v	2	Williams	29947	1996 YU_1
1997 AU_6	13.0	970601	109.91718	278.91942	123.11950	3.02390	0.0693142	2.8639948	25	4	1990–1997	0.77	M-v	1	Williams	29320	1997 AU_6
1997 AR_{16}	12.5	970601	3.04670	191.93575	359.27092	18.31729	0.1565637	2.9850529	83	1	138 days	0.66	M-v	3	Williams	29947	1997 AR_{16}
1997 AM_{22}	13.5	970601	62.37428	300.93401	131.63727	3.42713	0.2597660	2.4520069	28	3	1984–1997	0.58	M-v	3	Williams	29635	1997 AM_{22}
1997 BR	17.5	970601	356.76941	133.73665	116.78957	17.23816	0.3058781	1.3360397	331	1	145 days	0.56	M-v	3	Williams	29947	1997 BR
1997 BR_1	12.5	970601	355.81550	55.98654	127.40466	10.86691	0.2629213	3.0911413	16	4	1970–1997	0.45	M-v	2	Williams	29636	1997 BR_1
1997 BF_7	13.0	970601	54.42761	121.05067	336.54032	0.72120	0.0698236	3.0306447	14	2	1992–1997	0.42	M-v	6	Williams	29927	1997 BF_7
1997 CW	14.0	970601	2.01528	144.04323	41.06277	4.21232	0.1117049	2.3325293	16	2	1990–1997	0.59	M-v	5	Williams	29639	1997 CW
1997 CZ_5	13.5	970601	37.52447	169.07562	288.15990	24.93830	0.3989238	2.2927749	244	1	84 days	0.44	M-v	4	Williams	29948	1997 CZ_5
1997 CU_{26}	6.0	970601	320.63093	245.15704	300.47275	23.41080	0.1836592	15.8185828	191	1	103 days	0.42	M-v	5	Williams	29948	1997 CU_{26}
1997 DT	15.0	970601	338.72387	85.14406	130.43370	3.68572	0.0710402	2.2843277	16	2	1991–1997	0.75	M-v	6	Williams	29642	1997 DT
1997 ES_2	14.0	970601	294.28869	170.61421	119.37136	3.07519	0.2020095	2.3719301	15	3	1979–1997	0.56	M-v	4	Williams	29929	1997 ES_2
1997 EL_{11}	13.5	970601	238.71757	270.90513	55.33434	15.43036	0.1487087	2.6111449	24	2	1986–1997	0.57	M-v	4	Williams	29948	1997 EL_{11}
1997 EW_{25}	15.0	970601	347.60266	204.94127	15.96907	6.95367	0.0697646	2.2415910	14	2	1977–1997	0.60	M-v	5	Williams	29644	1997 EW_{25}
1997 EA_{36}	15.0	970601	21.54503	28.98219	119.55610	2.26470	0.0942132	2.5213196	29	4	1977–1997	0.71	M-v	4	Williams	29930	1997 EA_{36}
1997 EB_{42}	15.5	970601	302.44401	326.65569	286.28483	2.21207	0.1164032	2.2747876	19	4	1980–1997	0.65	M-v	1	Williams	29930	1997 EB_{42}
1997 EW_{45}	14.0	970601	12.28579	100.82271	98.08365	7.06913	0.1845447	2.5390829	38	2	1995–1997	0.26	M-v	3	Williams	29948	1997 EW_{45}
1997 EY_{45}	14.0	970601	67.45361	43.49474	81.89183	3.24539	0.1539277	2.3867545	21	2	1995–1997	0.39	M-v	4	Williams	29646	1997 EY_{45}
1997 FN	12.5	970601	197.89570	310.29579	62.37594	12.56641	0.0582347	2.9847053	18	4	1953–1997	0.55	M-v	2	Williams	29930	1997 FN
1997 FO	12.0	970601	317.19163	195.73542	41.95365	10.17976	0.0414541	3.0497218	23	4	1976–1997	0.61	M-v	2	Williams	29930	1997 FO
1997 FH_1	13.5	970601	221.96373	326.51835	350.34169	12.73793	0.1893259	2.6077351	26	4	1982–1997	0.75	M-v	3	Marsden	29930	1997 FH_1
1997 FR_1	12.5	970601	51.24429	43.66410	91.20360	10.19709	0.1680268	2.4202299	69	5	1952–1997	0.67	M-v	2	Williams	29948	1997 FR_1
1997 FZ_1	15.0	970601	22.13172	181.32829	8.75028	0.31866	0.1426896	2.3902420	27	5	1982–1997	0.59	M-v	2	Williams	29931	1997 FZ_1
1997 GH_3	17.0	970601	18.61890	333.22933	187.21417	2.98150	0.5730160	2.4867074	219	1	67 days	0.50	M-v	4	Williams	29931	1997 GH_3
1997 GR_5	15.0	970601	9.61907	81.86620	110.86717	5.36429	0.1381570	2.3457401	33	2	1994–1997	0.87	M-v	4	Williams	29931	1997 GR_5
1997 GQ_6	15.0	970601	279.14269	304.12561	24.61731	4.41416	0.1798274	2.5270747	21	3	1990–1997	0.55	M-v	5	Williams	29931	1997 GQ_6
1997 GQ_7	13.0	970601	172.80458	3.00606	46.38504	15.93842	0.1589848	2.7720508	34	4	1985–1997	0.62	M-v	2	Williams	29932	1997 GQ_7
1997 GU_7	16.0	970601	294.84370	245.54657	72.73689	3.71131	0.2138705	2.3217323	28	2	1996–1997	0.41	M-v	4	Williams	29932	1997 GU_7
1997 GY_7	14.5	970601	102.26181	15.57888	95.80387	1.61113	0.1200313	2.6770387	27	3	1977–1997	0.63	M-v	5	Marsden	29932	1997 GY_7
1997 GZ_7	14.0	970601	247.62402	299.17168	41.45089	13.84350	0.0235278	3.1625078	32	2	1988–1997	0.70	M-v	5	Marsden	29932	1997 GZ_7
1997 GB_8	16.5	970601	41.19997	8.26981	164.82555	1.07000	0.1791113	2.5546304	26	2	1995–1997	0.51	M-v	4	Williams	29932	1997 GB_8
1997 GE_8	15.5	970601	90.43133	226.20719	256.33485	0.39951	0.1368205	2.4280988	29	3	1991–1997	0.51	M-v	4	Williams	29933	1997 GE_8
1997 GL_8	14.0	970601	306.80238	275.69625	24.40604	4.73715	0.1619367	2.4434052	37	4	1990–1997	0.52	M-v	1	Williams	29933	1997 GL_8
1997 GX_{18}	16.0	970601	78.85635	209.40633	265.39243	1.66300	0.1581834	2.5640047	18	2	1995–1997	0.44	M-v	4	Williams	29933	1997 GX_{18}
1997 GX_{22}	15.5	970601	336.40771	116.10439	147.62207	1.70427	0.1521409	2.4036145	33	3	1991–1997	0.57	M-v	3	Marsden	29934	1997 GX_{22}
1997 GK_{23}	14.5	970601	312.33030	101.30064	176.36880	2.08729	0.0231591	2.9002274	26	2	1992–1997	0.53	M-v	5	Marsden	29934	1997 GK_{23}
1997 GL_{23}	13.5	970601	119.86030	40.36262	53.18808	5.08281	0.1468425	3.0946633	28	2	1978–1997	0.46	M-v	5	Marsden	29934	1997 GL_{23}
1997 GO_{27}	18.5	970601	275.07649	139.24934	188.93347	17.89654	0.0710008	1.4213619	62	1	62 days	0.54	M-v	5	Williams	29935	1997 GO_{27}
1997 GC_{32}	18.5	970601	347.22792	149.80458	177.51866	5.90124	0.6559125	2.0339857	77	1	36 days	0.45	M-v	5	Marsden	29935	1997 GC_{32}
1997 GT_{32}	13.5	970601	204.82701	15.15697	351.60848	1.39298	0.0991225	2.8961590	20	2	1992–1997	0.86	M-v	5	Williams	29935	1997 GT_{32}
1997 HO_2	14.0	970601	248.67453	174.99814	180.90259	1.76614	0.0969013	2.9254465	23	2	1982–1997	0.47	M-v	5	Marsden	29936	1997 HO_2
2072 P-L	16.0	970601	76.26896	115.86376	353.25930	6.64762	0.1469417	2.3102917	22	3	1960–1997	0.66	M-v	4	Marsden	29321	2072 P-L
2600 P-L	16.0	970601	255.98102	157.96371	191.05280	1.25677	0.1690270	2.4306083	29	5	1960–1997	0.81	M-v	2	Williams	29948	2600 P-L
2785 P-L	15.0	970601	257.42459	251.57337	93.23539	2.17046	0.1026659	2.6172135	22	3	1960–1997	0.95	M-v	5	Williams	29936	2785 P-L
4593 P-L	13.5	970601	223.72562	211.18154	166.71299	2.23395	0.0803066	2.8412715	20	5	1960–1997	0.86	M-v	2	Marsden	29948	4593 P-L

4624 P-L	14.0	970601	161.43809	284.74791	147.81364	4.09018	0.1749589	3.1373431	22	4	1955–1997	0.47	M-v	1	Williams	24915	4624 P-L
4780 P-L	14.0	970601	79.56440	306.08662	185.52820	5.30799	0.1315893	3.1581589	30	2	1960–1997	0.78	M-v	5	Marsden	29937	4780 P-L
4896 P-L	14.0	970601	251.38412	237.94898	114.44627	2.59611	0.1817845	3.1031849	20	4	1960–1997	0.70	M-v	2	Williams	29937	4896 P-L
6130 P-L	14.5	970601	111.58740	293.35063	193.46771	4.20180	0.1052450	2.4387274	20	4	1949–1997	0.83	M-v	2	Williams	29668	6130 P-L
6186 P-L	16.0	970601	315.59256	96.73167	201.05718	5.66232	0.1926066	2.2656496	16	2	1960–1997	0.86	M-v	5	Williams	29937	6186 P-L
6583 P-L	15.0	970601	150.23301	274.43058	173.31727	4.14414	0.0992895	2.2831273	15	4	1953–1997	0.63	M-v	3	Williams	22827	6583 P-L
6585 P-L	14.0	970601	245.66532	208.48420	148.20042	2.42778	0.1332868	3.1051550	17	2	1960–1997	0.71	M-v	5	Williams	29937	6585 P-L
6772 P-L	15.5	970601	351.62566	354.37102	168.21172	2.40635	0.1223413	2.4781031	17	2	1960–1995	0.62	M-v	6	Marsden	26185	6772 P-L
9058 P-L	12.5	970601	263.80822	85.71249	266.30148	3.19676	0.1708845	3.0904416	24	4	1960–1997	0.57	M-v	2	Williams	22972	9058 P-L
1146 T-1	15.0	970601	318.88439	79.22196	199.79094	4.73775	0.0945735	2.6353272	39	3	1971–1997	0.73	M-v	3	Marsden	29948	1146 T-1
3271 T-1	13.5	970601	214.45032	287.58958	347.04482	2.03815	0.0240216	2.7236647	21	5	1954–1995	0.80	M-v	1	Marsden	26193	3271 T-1
4033 T-1	15.0	970601	301.61417	129.05817	172.81671	5.33317	0.1359348	2.3813360	18	3	1971–1997	1.01	M-v	4	Marsden	29938	4033 T-1
4178 T-1	16.0	970601	12.97617	157.45013	59.43283	3.25597	0.1637358	2.3868761	26	3	1971–1997	0.95	M-v	4	Williams	29938	4178 T-1
4217 T-1	15.5	970601	4.78790	61.70307	91.52791	3.05172	0.1580089	2.4224609	18	4	1971–1995	0.84	M-v	2	Marsden	23987	4217 T-1
4298 T-1	15.0	970601	329.63826	155.33046	135.63897	3.22642	0.1637249	2.3744584	18	5	1971–1997	1.10	M-v	2	Williams	23540	4298 T-1
1041 T-2	13.5	970601	264.02509	161.79350	175.97593	2.04879	0.1182717	2.9426405	47	4	1973–1997	0.76	M-v	4	Marsden	29949	1041 T-2
1102 T-2	14.5	970601	322.17238	76.83550	199.02079	1.58278	0.0738192	2.9469646	26	2	1973–1997	0.93	M-v	6	Williams	29938	1102 T-2
1105 T-2	14.0	970601	97.39952	304.09757	184.26930	2.68324	0.1389678	2.6194720	30	4	1973–1997	1.02	M-v	2	Marsden	24764	1105 T-2
1157 T-2	15.5	970601	29.92379	355.56542	203.70729	2.59632	0.1290651	2.3343485	35	3	1973–1997	0.79	M-v	3	Marsden	22087	1157 T-2
2084 T-2	15.0	970601	90.79108	317.32158	187.63303	21.50903	0.0790011	1.9611342	30	3	1973–1997	0.94	M-v	4	Williams	29949	2084 T-2
2275 T-2	13.5	970601	341.82788	328.10297	173.16027	2.95801	0.2313146	3.1385237	23	2	1973–1995	0.90	M-v	6	Marsden	25970	2275 T-2
4240 T-2	14.5	970601	128.83720	319.39470	85.44809	3.47912	0.1886182	2.3832363	43	5	1973–1997	0.77	M-v	1	Marsden	29142	4240 T-2
2191 T-3	16.0	970601	40.51341	114.89455	343.00419	3.93866	0.1088092	2.7533885	20	2	1977–1995	0.91	M-v	6	Marsden	25971	2191 T-3
2288 T-3	15.0	970601	231.55607	7.56313	351.93267	5.08000	0.1976660	2.3061161	20	3	1977–1997	0.69	M-v	4	Williams	19331	2288 T-3
3197 T-3	13.0	970601	212.19784	307.64951	71.02542	2.89196	0.1880116	3.1008634	25	4	1977–1997	1.09	M-v	2	Williams	22088	3197 T-3
3395 T-3	14.5	970601	60.42382	344.14725	179.10646	4.68372	0.0499219	2.3190117	42	7	1949–1997	0.84	M-v	2	Marsden	29949	3395 T-3
3424 T-3	15.5	970601	262.85431	176.31322	152.38992	2.29398	0.0311217	2.6309246	45	4	1971–1997	0.69	M-v	2	Williams	29939	3424 T-3
4046 T-3	14.5	970601	333.62378	167.11809	112.19857	5.13683	0.1527103	2.2802609	25	3	1977–1997	0.89	M-v	2	Williams	22088	4046 T-3
4197 T-3	14.5	970601	240.27503	290.53610	69.85661	4.67741	0.1129748	2.6211068	26	3	1977–1997	0.69	M-v	4	Williams	29949	4197 T-3

NEW NAMES OF MINOR PLANETS

(4120) Denoyelle = 1985 RS$_4$

Discovered 1985 Sept. 14 by H. Debehogne at the European Southern Observatory.

Named in honor of Jozef Denoyelle (b. 1937) on the occasion of his retirement from the Uccle Observatory. His principal research concerned early-type stars and their relation to galactic structure. Early in his career he observed minor planets and comets, and his continuing interest in such work stimulated the discoverer to start observations at La Silla. Denoyelle is very active in the popularization of astronomy and has served as treasurer of the Flemish Association of Astronomy for some 20 years. Name proposed by the discoverer, endorsed by E. W. Elst.

(4516) Pugovkin = 1973 SN$_6$

Discovered 1973 Sept. 28 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Mikhail Ivanovich Pugovkin (b. 1923), outstanding and popular cinema actor who has appeared in almost 200 films since 1941. He is an honorary citizen of the Crimean city of Yalta and also has the title honorary artist of Russia.

(4592) Alkissia = 1979 SQ$_{11}$

Discovered 1979 Sept. 24 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Aleksej Alekseevich Kisselev (b. 1927), astronomer at the Pulkovo Astronomical Observatory, skilled observer of double stars and leader in the field of photographic astrometry of planets and satellites. He has devised new methods of astrometric plate reduction and of orbit determination. His comprehensive treatise on photographic astrometry is a standard reference for all observers at the observatories of the former Soviet Union. After World War II, Kisselev spent seven years in prison as a victim of political repression.

(4683) Veratar = 1976 GJ$_1$

Discovered 1976 Apr. 1 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Vera Petrovna Tarashchuk, an astrophysicist at the Astronomical Observatory of Kiev University. An active observer of major planets, minor planets and comets, she is known for her contribution to photometric and spectroscopic research on minor bodies. She has also studied the association of cometary processes with solar activity, as well as the structure and rotation of minor planets.

(4790) Petrpravec = 1988 PP

Discovered 1988 Aug. 9 by E. F. Helin at Palomar.

Named in honor of Petr Pravec (b. 1967), an astronomer at the Ondřejov Observatory well known for both astrometric and photometric work on minor planets and comets. He specializes in near-earth objects and has often been the first person to

observe objects found in the course of the discoverer's NEAT program following their tentative announcement in the Minor Planet Center's "NEO Confirmation Page". In his Ph.D. dissertation Pravec pointed out that the lightcurve of 1994 AW_1, an NEO found by the discoverer, strongly suggests that the object is binary. This minor planet is being named on the occasion of the marriage of Petr Pravec and Kateřina Macháčová, 1997 June 21.

(4935) Maslachkova = 1985 PD_2

Discovered 1985 Aug. 13 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Iya Mikhailovna Maslachkova (1937–1996), a poet and teacher of Russian literature from St. Petersburg who worked for some years at the Crimean Astrophysical Observatory and had many friends there. Her poems are mainly dedicated to the Crimea and St. Petersburg.

(4982) Bartini = 1977 PE_1

Discovered 1977 Aug. 14 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Robert Lyudvigovich Bartini (1897–1974), Italian baron by birth who lived and worked in the Soviet Union. The designer of several original aircraft, Bartini was also known for his research in aerodynamics, theoretical physics and cosmology.

(5016) Migirenko = 1976 GX_3

Discovered 1976 Apr. 2 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Georgij Sergeeveich Migirenko (b. 1916), academician and professor at the Siberian Department of Russian Academy of Sciences in Novosibirsk, known for his work in applied and theoretical mechanics, hydrodynamics, mathematics and ship-building. In recent years he has worked on design problems of ecology-safe machines and transport for northern regions. Migirenko also takes an active part in research on the possibility of asteroids colliding with the earth. He is also a talented singer who graduated from the Odessa Conservatory.

(5055) Opekushin = 1986 PB_5

Discovered 1986 Aug. 13 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Aleksandr Mikhailovich Opekushin (1838–1923), outstanding Russian sculptor. He has produced memorials and sculptures of many historical persons and is especially famous for the Pushkin monument in Moscow and the Lermontov monument in Pyatigorsk.

(5076) Lebedev-Kumach = 1973 SG_4

Discovered 1973 Sept. 26 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Vasilij Ivanovich Lebedev-Kumach (1898–1949), prominent poet and song-writer, known for his lyrical and patriotic verses for songs for many Soviet films.

(5078) Solovjev-Sedoj = 1974 SW

Discovered 1974 Sept. 19 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Vasilij Pavlovich Solovjev-Sedoj (1907–1979), distinguished composer, author of about 400 songs that are still popular, seven operettas and musical comedies, two ballets and music for several dozen films.

(5091) Isakovskij = 1981 SD_4

Discovered 1981 Sept. 25 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Mikhail Vasil'evich Isakovskij (1900–1973), a poet whose verses are remarkable for their tunefulness. Many of them were set to music and became popular songs.

(5158) Ogarev = 1976 YY

Discovered 1976 Dec. 16 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Nikolaj Platonovich Ogarev (1813–1877), poet and publicist, friend and associate of A. I. Herzen, and a firm upholder of democratic ideas. He initiated and co-edited the Russian democratic newpaper *Kolokol* (The Bell), and on emigrating in 1856 became one of the leaders of *The Free Russian Printing House* in London.

(5220) Vika = 1979 SA_8

Discovered 1979 Sept. 23 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Viktoriya Semenovna Vinogradova (b. 1928), doctor at the Crimean Astrophysical Observatory in Nauchnij who has attended to the staff members of the observatory for 40 years.

(5245) Maslyakov = 1976 GR_2

Discovered 1976 Apr. 1 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Aleksandr Vasil'evich Maslyakov, Moscow television journalist, one of the founders and for many years presenter of the program *KVN* (Club of Merry and Resourceful Persons), which is very popular not only in the countries of the former Soviet Union but in others too.

(5278) Polly = 1988 EJ_1

Discovered 1988 Mar. 12 by E. F. Helin at Palomar.

Named in honor of "Polly" Blanton Brooks, a fascinating, charming Texan, whose childhood was spent on the family's Yates Ranch, where oil was discovered in 1926. She married and raised three children on the Circle C Ranch, now known as Circle C City, Texas. Polly has been a member of The Planetary Society's New Millennium Committee, providing support and inspiration for many projects. An enthusiastic proponent of space exploration, she has fostered international communication and cooperation over the years. Name proposed on the occasion of her eightieth birthday, 1997 March 11.

(5299) Bittesini = 1969 LB

Discovered 1969 June 8 by C. U. Cesco at El Leoncito.

Named in honor of Luciano Bittesini (b. 1950), Italian amateur astronomer and astrometrist. Name suggested by B. G. Marsden, who made the identifications involving this object, and by G. V. Williams, who was hosted by Luciano and family during a 1995 visit to speak at a convention of Italian astrometrists.

(5314) Wilkickia = 1982 SG_4

Discovered 1982 Sept. 20 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Andrej Ippolitovich Wilkitzky (Wilkicki; 1858–1913) and his son Boris Andreevich Wilkitzky (1885–1961), outstanding Russian hydrographers and Arctic explorers, who made an invaluable contribution to mastering the navigation of the Northern Maritime Way. In 1913 Boris Wilkitzky discovered a new

archipelago, named by him "The Land of Emperor Nicholas II" (now Severnaya Zemlya), as well as a strait named for him. The minor planet is named by the discoverer following a suggestion by V. K. Abalakin.

(5315) Bal'mont = 1982 SV_5

Discovered 1982 Sept. 16 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Konstantin Dmitrievich Bal'mont (1867–1942), a Russian poet who lived in exile after 1920, one of the most famous of the symbolists. Known for his Russian translations of the works of many European writers, he also collected and published examples of the creative works of Egypt, Mexico, Peru, India and other countries.

(5360) Rozhdestvenskij = 1975 VD_9

Discovered 1975 Nov. 8 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Robert Ivanovich Rozhdestvenskij (1932–1994), outstanding poet and journalist, one of the most popular Russian poet-songwriters. For 15 years he wrote and presented the television program *The Documentary Screen*. His books were translated into many languages, and he won many awards for literature. In his last poems he appeared, not only as a lyric poet, but also as a philosopher who showed the grandeur and tragedy of his time. He arranged for the publication of Osip Mandelshtam's works, edited the first collection of Vladimir Vysotskij's poems and organized Marina Tsvetaeva's Memorial Museum.

(5411) Liia = 1973 AT_3

Discovered 1973 Jan. 2 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Liia Forrer-Tsiganovskaja, wife of a friend of the discoverer, on the occasion of her 25th birthday. A student of art at Saratov and of philosophy at St. Gallen, she also takes an interest in literature and architecture.

(5413) Smyslov = 1977 EC_2

Discovered 1977 Mar. 13 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Vasilij Vasil'evich Smyslov (b. 1921), Soviet chess grandmaster and world chess champion during 1957–1958. He is known also as a gifted amateur singer, performing operatic arias and Russian folk songs.

(5570) Kirsan = 1976 GM_7

Discovered 1976 Apr. 4 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Kirsan Nikolaevich Ilyumzhinov (b. 1962), chess grandmaster and president of the International Chess Federation, elected in 1996 for a second term.

(5612) Nevskij = 1975 TX_2

Discovered 1975 Oct. 3 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named for Novgorod prince Aleksandr Yaroslavich (1220–1263), astute politician and skilled military leader of Russian troops who defended northwestern Russia from annexation by Swedish and German feudal lords. He was named Nevskij for his victory over Swedish troops at the Neva River in 1240, and he is also famous for his defeat of Teutonic knights at Chudskoe Lake in 1242.

(5613) Donskoj = 1976 YP_1

Discovered 1976 Dec. 16 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named for Dmitrij Donskoj (1350–1389), Aleksandr Nevskij's great-grandson, grand prince of Moscow and Vladimir principalities. He led the Russian struggle against the Tatar-Mongolian yoke and was named Donskoj for his victory over the Tatar-Mongolians in the 1380 battle at Kulikovo field between the Don and the Nepryadva rivers. This historic victory of joint Russian troops under Dmitrij's leadership began the liberation of Russian lands from the Tatars.

(5708) Melancholia = 1977 TC_1

Discovered 1977 Oct. 12 by P. Wild at Zimmerwald.

One of the four humors or human temperaments. The gloom besetting astronomers when the sky remains overcast for weeks on end.

(5710) Silentium = 1977 UP

Discovered 1977 Oct. 18 by P. Wild at Zimmerwald.

Silence.

(5785) Fulton = 1991 FU

Discovered 1991 Mar. 17 by E. F. Helin at Palomar.

Named in honor of Joseph A. Fulton, hardware engineer specializing in electromechanical devices. Over the years he assisted in the digitization of the Planet Crossing Asteroid Survey films and Oschin Schmidt plates for the discoverer's research on minor planets. This naming is made on the occasion of Fulton's retirement after 37 years of dedicated work at the Jet Propulsion Laboratory.

(5794) Irmina = 1976 SW_3

Discovered 1976 Sept. 24 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Irma Mikhailovna Golodyaevskaya (1931–1956), a student of the Moscow Conservatory and talented singer who tragically perished at the very beginning of her development as an artist.

(5795) Roshchina = 1978 SH_1

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

Named in memory of Elena Olegovna Roshchina (1966–1994), a journalist and cinema critic from the Ivanovo region of Russia and a young poet tragically killed. She took an interest in astronomy, and some of her poems were dedicated to cosmic themes.

(5857) Neglinka = 1975 TM_2

Discovered 1975 Oct. 3 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named for a small river that flows into the Moskva river. On Borovitskij hill, near the mouth of the Neglinka, a settlement appeared in the eleventh century. This name and the three next are given on the occasion of the celebration of the 850th anniversary of the city of Moscow in 1997.

(5858) Borovitskia = 1978 SU_5

Discovered 1978 Sept. 28 by L. I. Chernykh at the Crimean Astrophysical Observatory.

Named for Borovitskij hill (from the Russian word *bor* or pine forest), the location of the first buildings in the ancient settlement of Moscow. In the fourteenth century a stone fortress, known as the Kremlin, was erected on the hill.

(5859) Ostozhenka = 1979 FD$_2$

Discovered 1979 Mar. 23 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named for one of the oldest streets in the center of Moscow. Ostozhenka, derived from the Russian word *stog*, or haystack, shows that the street was built on a former hayfield.

(5887) Yauza = 1976 SG$_2$

Discovered 1976 Sept. 24 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named for one of Moscow's little rivers. Between the place where it flows into Moscow river and the mouth of the Neglinka was the site of the first buildings of the ancient settlement of Moscow.

(5931) Zhvanetskij = 1976 GK$_3$

Discovered 1976 Apr. 1 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of the Russian writer Mikhail Zhvanetskij (b. 1934), whose satirical talent has won nation-wide recognition. He won the international festival "Gold Ostap" in 1993 and the independent prize "Triumph" in 1995. He is also an honorary citizen of Odessa, president of the World-Wide Club of Odessa Citizens and holder of the the order "Friendship of peoples".

(5932) Prutkov = 1976 GO$_3$

Discovered 1976 Apr. 1 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named for Koz'ma Prutkov, a parody character, fictitious poet and author of many fables, humorous poems and aphorisms. Prutkov is the collective pen-name invented by the nineteenth-century poets A. K. Tolstoj and the brothers A. M. and V. M. Zhemchuzhnikov. Many of Prutkov's utterances have become by-words in Russian.

(5935) Ostankino = 1977 EF$_1$

Discovered 1977 Mar. 13 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named for a district of Moscow that included the village Ostankino, the eighteenth-century country seat of the counts Sheremetev. Among places of interest there are a country-house museum, television tower and center, and the Memorial Museum of Cosmonautics.

(5936) Khadzhinov = 1979 FQ$_2$

Discovered 1979 Mar. 29 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Leonid Petrovich Khadzhinov (b. 1927), prominent Ukrainian electrical engineer involved with the construction of electrotechnical machines.

(6182) Katygord = 1987 SC$_4$

Discovered 1987 Sept. 21 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in honor of Katherine Carson Gordon Kron on the occasion of her 80th birthday, 1997 May 24. Kron devoted much of her professional life to observational astronomy at the Lick Observatory. During the second world war she served as a physicist for the U.S. Navy and for much of the 1960s was editor of the *Publications of the Astronomical Society of the Pacific*. Name suggested, with love and affection, by her husband G. E. Kron, and warmly endorsed by the discoverer.

(6219) Demalia = 1978 PX$_2$

Discovered 1978 Aug. 8 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Aleksandra Alekseevna Demenko (1930–1983), Ukrainian astronomer, staff member of the Astronomical Observatory of Kiev University, known for her research on comets.

(6262) Javid = 1978 RZ

Discovered 1978 Sept. 1 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in memory of Hussein Javid (1882–1941), Azerbaijani poet, playwright and historian, author of several historical plays, such as *Sheikh Sanan*, *Teimur, the lame* and *Khayyam*. In his works he preached the ideas of progressive romanticism. In 1937 he was branded as a dissident and exiled to Siberia.

(6287) Lenham = 1984 AR

Discovered 1984 Jan. 8 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Named in memory of Alan P. Lenham (1930–1996), British research scientist at the Royal College of Science in Shrivenham and an amateur astronomer whose careful observations of the moon and planets caught the attention of Gerard Kuiper, who invited him to spend some time at Yerkes Observatory. In 1958, using the 2.1-m telescope at the McDonald Observatory, Lenham made a superb drawing of a region on Mars now called Vallis Marineris. Citation written and name endorsed by S. F. Dermott following a suggestion by the discoverer.

(6377) Cagney = 1987 ML$_1$

Discovered 1987 June 25 by A. Mrkos at Kleť.

Named in memory of the movie actor James Cagney (1899–1986). Although he played tough-guy roles in numerous gangster movies, Cagney was also a talented singer and dancer, and in 1942 he won an Academy Award for his portrayal of showman George M. Cohan in *Yankee Doodle Dandy*. Name suggested by G. V. Williams, who made the identifications for this minor planet.

(6412) Kaifu = 1993 TL$_2$

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

Named in honor of Norio Kaifu (b. 1943), recently appointed the first director of the 8.2-m Subaru Telescope in Hawaii, following his direction of the construction of that telescope during the past six years. He also played an important role in the construction of the 45-m millimeter-wave radio telescope at the Nobeyama Radio Observatory, in particular, by his development of the acousto-optical radio spectrometer, a powerful instrument of very high resolution able to identify many interstellar molecular lines. Kaifu served as chairman of the Radio Astronomy Division of the National Astronomical Observatory at Mitaka during 1988–1990 and as associate director during 1992–1996.

(6413) Iye = 1993 TJ$_3$

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

Named in honor of Masanori Iye (b. 1949), a professor at the National Astronomical Observatory who works mainly on structure and evolution of galaxies and executive secretary of the Japanese national committee of astronomy since 1994. As project scientist for Subaru, he led the engineering core team to design and manufacture the 8.2-m telescope, and he also led teams to develop a CCD camera, active and adaptive optics, as well as a faint-object spectrograph.

(6424) Ando = 1994 EN_3

Discovered 1994 Mar. 14 by K. Endate and K. Watanabe at Kitami.

Named in honor of Hiroyasu Ando (b. 1946), chairman of the Optical and Infrared Astronomy Division of the National Astronomical Observatory since 1994 and an authority on stellar oscillations and high-resolution spectroscopy. His theoretical work with Yoji Osaki on five-minute solar oscillations played an important role in the development of the exciting field of helioseismology. A core member of the Subaru project from its beginning, Ando now leads the group constructing the high-dispersion spectrograph.

(6433) Enya = 1978 WC

Discovered 1978 Nov. 18 by A. Mrkos at Kleť.

Named in honor of the Irish singer and songwriter Eithne Ní Bhraonáin (b. 1961, professional name Enya). Name suggested by G. V. Williams, who made the identifications involving this object.

(6459) Hidesan = 1992 UY_5

Discovered 1992 Oct. 28 by K. Endate and K. Watanabe at Kitami.

Named in honor of Hideo Sato (b. 1940), staff member of the National Astronomical Observatory (formerly Tokyo Astronomical Observatory) who first worked on the solar corona, later moving to the Sky Patrol Section as a night observer. His life's work is the photometry of close binaries. He is also one of the leading members of the observatory's baseball team. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6463) Isoda = 1994 AG_3

Discovered 1994 Jan. 13 by K. Endate and K. Watanabe at Kitami.

Named in memory of Sachiko Isoda (1912–1993), who joined the Tokyo Astronomical Observatory in 1943 as a computing assistant. After the war she moved to the Department of Astronomy at University of Tokyo and was for many years secretary to Y. Hagihara. After her formal retirement she stayed on as a part-time employee, and her fine work impressed many astronomers who graduated from the University of Tokyo. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6467) Prilepina = 1979 TS_2

Discovered 1979 Oct. 14 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Named in honor of Svetlana Semenovna Prilepina, a graduate of the Astronomical Department at the Ural State University in Ekaterinburg and one of the organizers of the annual Winter Astronomical School at the Kourovka Observatory. She is also a gifted amateur singer.

(6484) Barthibbs = 1990 FT_1

Discovered 1990 Mar. 23 by E. F. Helin at Palomar.

Named in honor of Bart Hibbs, whom the discoverer has known since his earliest days, through his years of education and into his maturity as an expert and inventive aeronautical engineer. Bart was responsible for the aerodynamic design for the "Sunracer", which won the first race across central Australia for solar-powered cars. More recently, he designed a large, remote-controlled airplane, also solar powered, designed to stay at extremely high altitudes, night and day, for an extended period.

(6496) Kazuko = 1992 UG_2

Discovered 1992 Oct. 19 by K. Endate and K. Watanabe at Kitami.

Named in honor of Kazuko Otsuka (b. 1934), who joined the staff of the Tokyo Astronomical Observatory in 1957 on the occasion of the International Geophysical Year. She did secretarial work relating to observations with the Markowitz Moon Camera, by the Baker-Nunn Satellite-Tracking Camera and the Moonwatch project. Later she worked for the Sky Patrol Section and the Dodaira Station, and she retired in 1995. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6498) Ko = 1992 UJ_4

Discovered 1992 Oct. 26 by K. Endate and K. Watanabe at Kitami.

Named in honor of Ko Nagasawa (b. 1932), who retired from the University of Tokyo's Earthquake Research Institute in 1994 and now works for the Public Information Office at the National Astronomical Observatory of Japan. He has long been interested in the study of meteors, and he obtained many high-quality photographic spectra of the 1965 Leonids at the Dodaira Station. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6501) Isonzo = 1993 XD

Discovered 1993 Dec. 5 at Farra d'Isonzo.

Named for the river near which the town of Farra d'Isonzo and its observatory are located. Long known as a landmark in northeastern Italy, the river has been a crossing point to eastern Europe since Roman times.

(6526) Matogawa = 1992 TY

Discovered 1992 Oct. 1 by K. Endate and K. Watanabe at Kitami.

Named in honor of Yasunori Matogawa (b. 1942), a specialist in rocket trajectory engineering, and now the chief of the External Cooperation Office at the Institute of Space and Astronautical Science in Tokyo, working to inform the public about space technology. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6546) Kaye = 1987 DY_4

Discovered 1987 Feb. 24 by A. Mrkos at Kleť.

Named in memory of Danny Kaye (1913–1987, born David Daniel Kominski), actor and comedian on stage and screen. Kaye's trademark screen role was the mild mannered bumbler who triumphs in the end, as in *The Court Jester* (1956). Name suggested by G. V. Williams, who made the identifications involving this object.

(6558) Norizuki = 1991 GZ

Discovered 1991 Apr. 14 by K. Endate and K. Watanabe at Kitami.

Named in memory of Sojiro Norizuki (1912–1995), founder of Norizuki Technical Works. Under the guidance of H. Tanaka, he constructed the first parabolic antenna for solar observations in Japan in 1949. He was later engaged in the construction of the interferometer at the Nobeyama Solar Radio Observatory and for other radio telescopes. After 1972 he extended his work to infrared and optical telescopes. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6565) Reiji = 1992 FT

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

Named in honor of Reiji Shin Matumoto (b. 1938), whose many scientific cartoons are held in high regard among young people in Japan. As chief director of the Young Astronauts Club of Japan, he endeavors to educate future generations to participate in the development of space. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6567) Shigemasa = 1992 WS

Discovered 1992 Nov. 16 by K. Endate and K. Watanabe at Kitami.

Named in honor of Shigemasa Suzuki (b. 1920), an instrumentalist whose career began at the Tokyo Astronomical Observatory in Mitaka, where he assisted in the development of a multiphase radio interferometer. In 1960 he took up a fellowship offered by the Commonwealth Scientific and Industrial Organization and joined its division of radiophysics. In 1966 he became the first person of Japanese birth naturalized as an Australian citizen. Name proposed by the second discoverer, following a suggestion by K. Tomita, who was Suzuki's neighbor in Mitaka.

(6570) Tomohiro = 1994 JO

Discovered 1994 May 6 by K. Endate and K. Watanabe at Kitami.

Named in honor of Tomohiro Hirayama (b. 1938), who joined the Tokyo Astronomical Observatory in 1960 as an observer with the Baker-Nunn Satellite-Tracking Camera. He later joined the observatory's computer center and developed many programs for satellite laser ranging and other astronomical purposes. Between 1967 and 1987 all but one of the telex messages from the observatory to the Central Bureau for Astronomical Telegrams were typed by his hands. Name proposed by the second discoverer K. Watanabe following a suggestion by K. Tomita.

(6594) Tasman = 1987 MM_1

Discovered 1987 June 25 by A. Mrkos at Kleť.

Named for the Dutch navigator and explorer Abel Janszoon Tasman (*c.* 1603–*c.* 1659), who explored the south Pacific and discovered Tasmania, New Zealand, Tonga and the Fiji Islands. Name suggested by G. V. Williams, who made the identifications involving this object.

(6599) Tsuko = 1988 PV

Discovered 1988 Aug. 8 by K. Endate and K. Watanabe at Kitami.

Named in honor of Tsuko Nakamura (b. 1943), who studied celestial mechanics in the University of Tokyo's Department of Astronomy and whose research at the National Astronomical Observatory includes observations of the mutual phenomena of Jupiter's Galilean satellites and statistical investigations of the long-term orbital behavior of minor planets and comets. His interests also include the study of old Japanese archives for observations of astronomical phenomena. Name proposed by the second discoverer following a suggestion by K. Tomita.

(6740) Goff = 1993 GY

Discovered 1993 Apr. 14 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of Robert and Valerie Goff, of Tucson, Arizona. One of the finest masters of optics in the world, Bob Goff makes mirrors that are used in research and educational institutions worldwide. The Goffs are active in trying to increase a public interest in the sky, both through observing sessions and through the manufacture of good optics. Name proposed by the discoverers following a suggestion by D. H. Levy, who prepared the citation.

(6666) Frö = 1993 FG_{20}

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

Frö, son of Njord, was the fertility god in the old Nordic religion. He was also the god of peace, good crops and marriage. According to the old tales he had the largest ship in the world, Skidbladner, able to sail both on land and sea. His holy animal was the pig, playing a central role in this religion. In the Nordic countries we still can see some remains of the worship to Frö. The Midsummer pole may have originated as a tribute to Frö. His sister was Fröja, tremendously beautiful, who drove a carriage pulled by cats.

(6891) Triconia = 1976 SA

Discovered 1976 Sept. 23 at Harvard College Observatory's Agassiz Station.

Named in honor of the Tri-Con Barber Shop in Lexington, Massachusetts, and for Paul, Joe, Charlie and Art who work there.

(7086) Bopp = 1991 TA_1

Discovered 1991 Oct. 5 by C. S. Shoemaker and E. M. Shoemaker at Palomar.

Named in honor of Tom Bopp, codiscoverer of comet C/1995 O1 (Hale-Bopp), and his father, Frank Bopp. During the last year the two Bopps have enjoyed observing the comet and in lecturing about it as a team. Tom Bopp is an accomplished observer and Frank a superb machinist who has fashioned materials for the Shoemaker-Levy observing program. Name proposed by the discoverers following a suggestion by D. H. Levy, who prepared the citation.

(7087) Lewotsky = 1991 TG_4

Discovered 1991 Oct. 13 by E. F. Helin at Palomar.

Named in honor of the Lewotsky family, especially Kristin and Gretchen, friends of the discoverer. Kristin, a classmate at the California State University at Fullerton, is currently a writing editor for an optics industry trade magazine; with a degree in optical science and engineering from the University of Central Florida, she worked on mirror fabrication for NASA's Advanced X-Ray Astrophysics Facility program. Gretchen is executive director of environmental operations with a major film studio and is currently a board member of a non-profit environmental group.

(7223) Dolgorukij = 1982 TF_2

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

Named in memory of Yurij Dolgorukij (*c.* 1095–1157), prince of Suzdal and Kiev's grand prince, son of Vladimir Monomakh. The first reference to Moscow, made in connection with Dolgorukij's visit there, is in a monastic chronicle dated 1147. Later on, in 1156, Moscow was fortified by him. This is the reason to consider 1147 as the year of the foundation of the city and Dolgorukij as its founder, alhough archaeological evidence indicates that the site had been settled as early as the ninth century. The name is given on the occasion of the 850th anniversary of the founding of Moscow.

(7239) Mobberley = 1989 TE

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

Named in honor of Martin P. Mobberley, photographer and astrometrist of comets, minor planets, variable stars, novae and supernovae. His fine photographs and CCD images have appeared in the *Journal* of the British Astronomical Association for many years. Since 1990 he has occupied the position of Papers Secretary to the association, and as such he is responsible for arranging, refereeing and recommending articles for publication. For the past six years he has prepared and given an entertaining short talk on currently visible sky phenomena at every monthly meeting of the association. Mobberley is also assistant editor of *The Astronomer* magazine.

(7270) Punkin = 1978 NY_7

Discovered 1978 July 7 by E. Bowell at Palomar.

Named in honor of Erica Ann Broman on the occasion of her 41st birthday, 1997 August 25. Punkin is an affectionate family name for Broman, who originated the logo used for the Lowell Observatory during its centennial in 1994 and thereafter. She has been a significant donor to the observatory, as well as a patron of the deaf,

the aged and God's lesser creatures. An educator and supporter of public education, she is a most gracious lady. Name proposed by the discoverer following a suggestion by W. L. Putnam, who provided the citation.

(7317) Cabot = 1940 ED

Discovered 1940 Mar. 12 by G. Kulin at the Konkoly Observatory.

Named for Giovanni Caboto or John Cabot (1449/50–1498/99), who made the first recorded landfall in North America since the Norse voyages. Genoese by birth and Venetian by citizenship, Cabot moved to England in 1484, apparently motivated by his idea of reaching Asia by sailing westward across the Atlantic. In 1497 he and his crew of 18 sailed from Bristol in a tiny vessel, the 'Matthew', arriving off Newfoundland on June 24, after which he explored the coast southward to Nova Scotia. His account of the sea swarming with fish led to great interest in the rich fishery around the 'New found land'. Named to commemorate 500 years of continued contact between Europe and Canada. Name suggested and citation prepared by G. C. L. Aikman.

(7386) Paulpellas = 1981 WM

Discovered 1981 Nov. 25 at the Oak Ridge Observatory.

Named in memory of Paul Pellas (1924–1997), physicist, meteoriticist and curator at the Muséum d'Histoire Naturelle in Paris. He timed the early cooling histories of minor planets by studying the pattern of thermal annealing of fission tracks, created by the decay of the short-lived isotope plutonium 244, in the minerals of meteorites that once resided in these larger bodies. He also measured cosmic-ray track densities in lunar rocks to determine their residence times on the surface of the moon. Name proposed by J. A. Wood.

(7438) Misakatouge = 1994 JE_1

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

Named for a pass, 720 meters above sea level, in the north of the town of Kuma, where this minor planet was discovered. Because of its altitude and steepness, Misakatouge is often covered by thick snow in winter, and it suffers from heavy fog from spring to fall. Nevertheless, much traffic uses the pass, because it is a key route connecting the cities of Matsuyama and Kochi, on the island of Shikoku.

(7484) Dogo Onsen = 1994 WF_4

Discovered 1994 Nov. 30 by A. Nakamura at Kuma Kogen.

Named for a hot spring spa in Ehime, the prefecture in which this minor planet was discovered. Already known 3000 years ago, Dogo Onsen is the oldest and one of the most famous hot spring spas in Japan. It is visited by some 1.3 million people each year.

(7491) Linzerag = 1995 SD_2

Discovered 1995 Sept. 23 at the Osservatorio San Vittore.

Named on the occasion of 50th anniversary of the Linzer Astronomische Gemeinschaft, a very active association of amateur astronomers in Austria. The number of this minor planet, written backwards, corresponds to the year when the association was founded. Name proposed by the discoverers following a suggestion from Herbert Raab, president of the association.

(7492) Kačenka = 1995 UX

Discovered 1995 Oct. 21 by P. Pravec at Ondřejov.

Named in honor of Kateřina Macháčová (b. 1975), who has been a constant source of support to the discoverer during many stages of his research on near-earth objects. This naming comes on the eve of her marriage to the discoverer, 1997 June 21.

(7580) Schwabhausen = 1990 TM_7

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

Named for the Jena University Observatory's outstation, located some 10 km to the west of the city. The station was established in 1962 on the watershed of the rivers Saale and Ilm. It is located in a small preserved wood between the villages of Gross- and Kleinschwabhausen, and the discoverer's principal residence is nearby. This minor planet was numbered as the result of astrometric CCD observations made at Schwabhausen in April 1997. Name proposed by the first discoverer.

(7583) Rosegger = 1991 BA_3

Discovered 1991 Jan. 17 by F. Börngen at Tautenburg.

Named for the Styrian author Peter Rosegger (1843–1918), in his lifetime extremely popular in Austria. Particularly known are his novels *Die Schriften des Waldschulmeisters* and *Als ich noch der Waldbauernbub war* describing the people and manners in the villages of his homeland.

EPHEMERIDES

1996 XW_1 $a, e, i = 1.73, 0.45, 31$ Elements *MPC* 30094

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	14 53.46	−09 16.6	0.608	1.501	133.6	29.4	20.1
1997 07 01	15 04.63	−05 38.4	0.741	1.566	125.3	32.0	20.7
1997 07 11	15 16.23	−03 35.0	0.884	1.629	117.9	33.5	21.2
1997 07 21	15 28.43	−02 31.1	1.034	1.691	111.2	34.1	21.6
1997 07 31	15 41.23	−02 04.8	1.189	1.751	104.9	34.1	22.0

C/1997 L1 (Xinglong) Elements *MPC* 30064

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 06 21	15 23.47	−04 01.6	4.359	5.157	137.8	7.6	16.8	
1997 07 01	15 20.04	−02 52.1	4.500	5.182	127.6	8.9	16.9	
1997 07 11	15 17.82	−01 54.6	4.659	5.209	117.6	10.0	17.0	
1997 07 21	15 16.85	−01 08.4	4.832	5.236	108.0	10.6	17.1	
1997 07 31	15 17.09	−00 32.1	5.014	5.264	98.7	11.0	17.2	
1997 08 10	15 18.49	−00 04.3	5.199	5.293	89.8	11.0	17.3	
1997 08 20	15 20.97	+00 16.7	5.384	5.323	81.1	10.8	17.4	
1997 08 30	15 24.42	+00 32.5	5.564	5.353	72.8	10.4	17.5	
1997 09 09	15 28.75	+00 44.6	5.737	5.385	64.8	9.7	17.6	
1997 09 19	15 33.84	+00 54.6	5.899	5.418	57.0	8.9	17.7	
1997 09 29	15 39.59	+01 03.8	6.047	5.451	49.6	8.0	17.8	
1997 10 09	15 45.91	+01 13.3	6.179	5.485	42.5	7.1	17.8	
1997 10 19	15 52.68	+01 24.4	6.294	5.520	36.0	6.1	17.9	
1997 10 29	15 59.83	+01 38.1	6.389	5.555	30.4	5.2	18.0	

1980 RG_1 $a, e, i = 2.64, 0.47, 4$ Elements *MPC* 30090

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	16 31.04	−18 49.6	1.069	2.051	159.1	10.2	18.4
1997 07 01	16 21.13	−18 02.6	1.062	1.994	147.1	16.1	18.5
1997 07 11	16 14.26	−17 25.3	1.074	1.938	135.9	21.4	18.6
1997 07 21	16 11.26	−17 01.8	1.099	1.882	125.6	26.0	18.8
1997 07 31	16 12.44	−16 53.2	1.134	1.827	116.3	29.9	18.9
1997 08 10	16 17.78	−16 58.2	1.174	1.773	108.1	32.9	19.0
1997 08 20	16 27.08	−17 14.2	1.216	1.721	100.7	35.3	19.1
1997 08 30	16 40.01	−17 37.4	1.259	1.670	94.2	37.1	19.1
1997 09 09	16 56.33	−18 03.7	1.299	1.622	88.4	38.4	19.2
1997 09 19	17 15.74	−18 28.4	1.338	1.577	83.4	39.2	19.2

1997 09 29	17 37.95	−18 47.0	1.373	1.536	78.9	39.8	19.2
1997 10 09	18 02.75	−18 55.1	1.407	1.499	74.9	40.1	19.2
1997 10 19	18 29.81	−18 48.4	1.439	1.467	71.5	40.1	19.2
1997 10 29	18 58.80	−18 23.0	1.470	1.440	68.4	39.9	19.2
1997 11 08	19 29.37	−17 36.0	1.502	1.419	65.7	39.5	19.2
1997 11 18	20 01.08	−16 25.7	1.536	1.405	63.4	38.9	19.2
1997 11 28	20 33.52	−14 51.7	1.574	1.398	61.2	38.2	19.2

1995 LG a, e, i = 1.06, 0.79, 44 Elements *MPC* 27731

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	18 04.04	−37 14.8	0.774	1.777	166.1	7.9	19.7
1997 07 01	17 17.72	−33 49.8	0.743	1.731	159.0	12.1	19.8
1997 07 11	16 37.00	−29 04.9	0.753	1.678	142.5	21.7	20.1
1997 07 21	16 06.76	−24 03.9	0.795	1.616	125.9	30.6	20.4
1997 07 31	15 47.03	−19 35.9	0.858	1.546	111.0	37.8	20.6
1997 08 10	15 35.80	−15 57.6	0.929	1.467	98.0	43.2	20.8
1997 08 20	15 30.83	−13 04.8	0.998	1.378	86.6	47.1	21.0

1994 RH a, e, i = 2.25, 0.44, 19 Elements *MPC* 29945

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	20 07.15	−41 55.0	1.813	2.726	147.6	11.5	20.2
1997 07 01	19 54.78	−42 28.9	1.732	2.689	155.2	9.1	20.0
1997 07 11	19 39.73	−42 42.5	1.676	2.650	159.1	7.9	19.8
1997 07 21	19 23.53	−42 28.9	1.646	2.610	156.6	8.9	19.8
1997 07 31	19 08.04	−41 46.3	1.644	2.569	149.3	11.6	19.8
1997 08 10	18 54.98	−40 38.2	1.665	2.527	139.9	15.0	20.0
1997 08 20	18 45.55	−39 12.2	1.707	2.483	130.1	18.2	20.1
1997 08 30	18 40.21	−37 36.5	1.766	2.438	120.4	20.9	20.2
1997 09 09	18 38.95	−35 57.4	1.836	2.391	111.1	23.1	20.3
1997 09 19	18 41.43	−34 18.9	1.914	2.344	102.3	24.8	20.4
1997 09 29	18 47.19	−32 42.3	1.995	2.295	94.1	25.8	20.5
1997 10 09	18 55.78	−31 07.4	2.076	2.245	86.3	26.4	20.5
1997 10 19	19 06.75	−29 33.1	2.154	2.194	79.0	26.5	20.6
1997 10 29	19 19.72	−27 57.5	2.228	2.142	72.1	26.2	20.6

104P/Kowal 2 Elements *MPC* 30064

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 06 21	22 53.22	+12 03.9	2.416	2.776	99.8	21.1	18.8	22.2
1997 07 01	22 57.75	+13 46.6	2.234	2.712	107.0	21.0	18.6	21.9
1997 07 11	23 00.54	+15 25.4	2.059	2.647	114.5	20.5	18.3	21.7
1997 07 21	23 01.31	+16 57.1	1.894	2.582	122.2	19.5	18.0	21.4
1997 07 31	22 59.77	+18 17.6	1.740	2.516	130.0	18.0	17.7	21.1
1997 08 10	22 55.73	+19 21.2	1.602	2.450	137.8	16.1	17.4	20.8
1997 08 20	22 49.21	+20 01.6	1.482	2.383	145.0	14.1	17.1	20.5
1997 08 30	22 40.58	+20 12.1	1.381	2.315	150.7	12.3	16.8	20.3
1997 09 09	22 30.62	+19 47.8	1.303	2.248	153.0	11.7	16.6	20.0
1997 09 19	22 20.57	+18 48.1	1.247	2.180	150.8	13.0	16.4	19.9
1997 09 29	22 11.82	+17 17.8	1.214	2.112	144.8	15.9	16.2	19.9
1997 10 09	22 05.69	+15 26.8	1.200	2.045	136.7	19.6	16.0	19.9
1997 10 19	22 03.10	+13 27.9	1.203	1.979	128.0	23.4	15.9	20.0
1997 10 29	22 04.49	+11 32.9	1.218	1.913	119.4	26.9	15.7	20.0
1997 11 08	22 09.98	+09 51.0	1.243	1.848	111.2	30.0	15.6	20.1
1997 11 18	22 19.36	+08 28.6	1.274	1.786	103.5	32.6	15.5	20.2
1997 11 28	22 32.32	+07 28.5	1.307	1.725	96.6	34.6	15.4	20.2
1997 12 08	22 48.55	+06 51.8	1.341	1.667	90.2	36.2	15.4	20.2
1997 12 18	23 07.67	+06 38.0	1.375	1.613	84.6	37.4	15.3	20.2
1997 12 28	23 29.40	+06 45.3	1.408	1.563	79.5	38.2	15.2	20.2
1998 01 07	23 53.47	+07 11.4	1.439	1.518	75.0	38.7	15.1	20.2
1998 01 17	00 19.63	+07 53.0	1.470	1.479	71.0	39.0	15.0	20.2
1998 01 27	00 47.65	+08 46.3	1.501	1.447	67.5	39.0	15.0	20.2
1998 02 06	01 17.36	+09 47.2	1.533	1.422	64.5	38.8	15.0	20.2
1998 02 16	01 48.49	+10 51.1	1.567	1.405	61.9	38.3	15.0	20.2
1998 02 26	02 20.83	+11 53.3	1.605	1.397	59.7	37.7	15.0	20.3
1998 03 08	02 54.10	+12 49.3	1.648	1.398	57.7	36.9	15.0	20.3
1998 03 18	03 27.98	+13 35.0	1.697	1.408	56.0	35.9	15.1	20.4
1998 03 28	04 02.14	+14 07.1	1.752	1.426	54.4	34.7	15.3	20.4
1998 04 07	04 36.25	+14 23.2	1.816	1.452	52.9	33.4	15.4	20.5
1998 04 17	05 09.95	+14 22.0	1.886	1.485	51.4	31.9	15.6	20.6
1998 04 27	05 42.94	+14 03.1	1.965	1.525	49.9	30.3	15.8	20.7
1998 05 07	06 14.98	+13 27.2	2.052	1.571	48.2	28.6	16.0	20.8
1998 05 17	06 45.86	+12 35.7	2.145	1.622	46.4	26.8	16.3	20.9
1998 05 27	07 15.47	+11 30.3	2.245	1.677	44.3	25.0	16.5	21.0
1998 06 06	07 43.75	+10 13.1	2.350	1.735	42.0	23.1	16.7	21.1
1998 06 16	08 10.68	+08 46.0	2.458	1.796	39.5	21.1	17.0	21.3
1998 06 26	08 36.30	+07 11.0	2.570	1.859	36.8	19.1	17.2	21.4
1998 07 06	09 00.69	+05 29.9	2.682	1.923	33.9	17.1	17.5	21.5
1998 07 16	09 23.91	+03 44.4	2.795	1.989	30.7	15.1	17.7	21.6

1995 QY$_9$ a, e, i = 40.38, 0.28, 5 Elements *MPC* 28318

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	23 09.89	−05 08.4	29.416	29.665	103.2	1.9	21.9
1997 07 01	23 09.76	−05 08.8	29.252	29.661	112.8	1.8	21.9
1997 07 11	23 09.44	−05 10.4	29.100	29.658	122.4	1.7	21.9
1997 07 21	23 08.94	−05 13.1	28.963	29.654	132.1	1.5	21.9
1997 07 31	23 08.27	−05 16.8	28.846	29.651	141.8	1.2	21.8
1997 08 10	23 07.47	−05 21.4	28.751	29.647	151.6	0.9	21.8
1997 08 20	23 06.57	−05 26.7	28.682	29.644	161.5	0.6	21.8
1997 08 30	23 05.59	−05 32.4	28.641	29.640	171.4	0.3	21.7
1997 09 09	23 04.58	−05 38.3	28.630	29.636	178.6	0.0	21.7
1997 09 19	23 03.58	−05 44.2	28.647	29.633	168.7	0.4	21.7
1997 09 29	23 02.62	−05 49.8	28.694	29.630	158.6	0.7	21.8
1997 10 09	23 01.74	−05 54.9	28.769	29.626	148.5	1.0	21.8
1997 10 19	23 00.99	−05 59.3	28.870	29.623	138.4	1.3	21.8
1997 10 29	23 00.38	−06 02.8	28.993	29.619	128.3	1.5	21.9
1997 11 08	22 59.95	−06 05.2	29.135	29.616	118.2	1.7	21.9
1997 11 18	22 59.72	−06 06.3	29.291	29.612	108.1	1.8	21.9
1997 11 28	22 59.70	−06 06.2	29.456	29.609	97.9	1.9	21.9
1997 12 08	22 59.89	−06 04.7	29.626	29.605	87.9	1.9	21.9
1997 12 18	23 00.30	−06 01.9	29.794	29.602	77.8	1.9	22.0
1997 12 28	23 00.92	−05 57.9	29.956	29.598	67.8	1.8	22.0
1998 01 07	23 01.73	−05 52.6	30.107	29.595	57.8	1.6	22.0

1994 TB a, e, i = 39.77, 0.32, 12 Elements *MPC* 28318

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	23 44.33	+06 51.5	30.447	30.474	90.6	1.9	22.1
1997 07 01	23 44.37	+06 55.3	30.274	30.466	100.0	1.9	22.1
1997 07 11	23 44.22	+06 57.7	30.105	30.458	109.4	1.8	22.0

1997 07 21	23 43.88	+06 58.8	29.946	30.451	118.9	1.7	22.0
1997 07 31	23 43.36	+06 58.6	29.801	30.443	128.4	1.5	22.0
1997 08 10	23 42.69	+06 57.0	29.674	30.435	138.0	1.3	22.0
1997 08 20	23 41.89	+06 54.3	29.569	30.427	147.5	1.0	21.9
1997 08 30	23 40.98	+06 50.4	29.488	30.420	156.9	0.7	21.9
1997 09 09	23 40.01	+06 45.6	29.435	30.412	165.7	0.5	21.9
1997 09 19	23 39.00	+06 40.0	29.410	30.404	171.6	0.3	21.8
1997 09 29	23 38.00	+06 34.0	29.415	30.397	168.3	0.4	21.8
1997 10 09	23 37.05	+06 27.7	29.449	30.389	159.9	0.6	21.9
1997 10 19	23 36.18	+06 21.5	29.512	30.381	150.3	0.9	21.9
1997 10 29	23 35.43	+06 15.5	29.600	30.373	140.5	1.2	21.9
1997 11 08	23 34.82	+06 10.1	29.713	30.366	130.5	1.4	22.0
1997 11 18	23 34.39	+06 05.5	29.844	30.358	120.5	1.6	22.0
1997 11 28	23 34.16	+06 01.8	29.992	30.350	110.4	1.7	22.0
1997 12 08	23 34.13	+05 59.4	30.150	30.343	100.4	1.8	22.0
1997 12 18	23 34.31	+05 58.2	30.313	30.335	90.4	1.9	22.0
1997 12 28	23 34.70	+05 58.4	30.476	30.327	80.4	1.8	22.1
1998 01 07	23 35.29	+06 00.1	30.635	30.320	70.4	1.8	22.1
1998 01 17	23 36.07	+06 03.1	30.784	30.312	60.5	1.6	22.1

1993 RO a, e, i = 39.55, 0.20, 4 Elements *MPC* 28087

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	00 01.10	−00 26.4	31.478	31.488	89.6	1.8	23.2
1997 07 01	00 01.26	−00 25.8	31.310	31.488	99.1	1.8	23.2
1997 07 11	00 01.22	−00 26.5	31.147	31.488	108.7	1.8	23.2
1997 07 21	00 01.00	−00 28.4	30.994	31.488	118.3	1.6	23.2
1997 07 31	00 00.60	−00 31.4	30.854	31.488	127.9	1.5	23.1
1997 08 10	00 00.05	−00 35.4	30.731	31.488	137.7	1.2	23.1
1997 08 20	23 59.36	−00 40.3	30.630	31.488	147.5	1.0	23.1
1997 08 30	23 58.55	−00 45.8	30.554	31.488	157.3	0.7	23.0
1997 09 09	23 57.67	−00 51.9	30.505	31.488	167.3	0.4	23.0
1997 09 19	23 56.74	−00 58.2	30.485	31.488	177.2	0.1	22.9
1997 09 29	23 55.80	−01 04.6	30.495	31.488	172.7	0.2	23.0
1997 10 09	23 54.88	−01 10.8	30.534	31.488	162.6	0.5	23.0
1997 10 19	23 54.03	−01 16.5	30.602	31.489	152.4	0.8	23.1
1997 10 29	23 53.28	−01 21.5	30.697	31.489	142.3	1.1	23.1
1997 11 08	23 52.65	−01 25.7	30.816	31.489	132.1	1.3	23.1
1997 11 18	23 52.18	−01 28.9	30.955	31.489	121.9	1.5	23.1
1997 11 28	23 51.89	−01 30.8	31.111	31.489	111.7	1.7	23.2
1997 12 08	23 51.79	−01 31.5	31.277	31.489	101.5	1.8	23.2
1997 12 18	23 51.89	−01 30.9	31.450	31.489	91.4	1.8	23.2
1997 12 28	23 52.20	−01 29.0	31.623	31.489	81.3	1.8	23.2
1998 01 07	23 52.70	−01 25.8	31.792	31.490	71.2	1.7	23.2
1998 01 17	23 53.38	−01 21.4	31.951	31.490	61.3	1.6	23.2

1993 SC a, e, i = 39.84, 0.19, 5 Elements *MPC* 30092

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	00 26.28	+03 56.1	34.565	34.441	82.1	1.7	22.6
1997 07 01	00 26.51	+03 58.2	34.402	34.445	91.6	1.7	22.6
1997 07 11	00 26.57	+03 59.2	34.239	34.449	101.1	1.7	22.6
1997 07 21	00 26.46	+03 59.1	34.082	34.453	110.7	1.6	22.6
1997 07 31	00 26.18	+03 57.9	33.935	34.458	120.3	1.5	22.5
1997 08 10	00 25.74	+03 55.7	33.802	34.462	130.0	1.3	22.5
1997 08 20	00 25.16	+03 52.5	33.688	34.466	139.7	1.1	22.5
1997 08 30	00 24.47	+03 48.5	33.596	34.471	149.6	0.9	22.5
1997 09 09	00 23.67	+03 43.9	33.530	34.475	159.5	0.6	22.4
1997 09 19	00 22.82	+03 38.7	33.491	34.479	169.4	0.3	22.4
1997 09 29	00 21.93	+03 33.3	33.482	34.483	178.8	0.0	22.3
1997 10 09	00 21.04	+03 27.8	33.502	34.488	170.4	0.3	22.4
1997 10 19	00 20.19	+03 22.5	33.553	34.492	160.3	0.6	22.4
1997 10 29	00 19.40	+03 17.6	33.631	34.496	150.1	0.8	22.5
1997 11 08	00 18.71	+03 13.2	33.737	34.500	139.9	1.1	22.5
1997 11 18	00 18.15	+03 09.6	33.865	34.505	129.7	1.3	22.5
1997 11 28	00 17.74	+03 07.0	34.013	34.509	119.5	1.4	22.5
1997 12 08	00 17.49	+03 05.3	34.176	34.513	109.3	1.5	22.6
1997 12 18	00 17.43	+03 04.9	34.348	34.518	99.1	1.6	22.6
1997 12 28	00 17.55	+03 05.6	34.526	34.522	88.9	1.6	22.6
1998 01 07	00 17.85	+03 07.5	34.703	34.526	78.8	1.6	22.6
1998 01 17	00 18.33	+03 10.5	34.874	34.530	68.8	1.5	22.6
1998 01 27	00 18.98	+03 14.7	35.035	34.535	58.8	1.4	22.6

1993 SB a, e, i = 39.48, 0.32, 2 Elements *MPC* 28317

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	00 28.72	+03 30.8	31.636	31.506	81.7	1.8	23.2
1997 07 01	00 29.00	+03 32.9	31.460	31.497	91.2	1.8	23.2
1997 07 11	00 29.10	+03 33.8	31.284	31.489	100.7	1.8	23.2
1997 07 21	00 29.01	+03 33.4	31.114	31.481	110.3	1.7	23.2
1997 07 31	00 28.73	+03 31.9	30.954	31.472	119.9	1.6	23.2
1997 08 10	00 28.28	+03 29.3	30.808	31.464	129.6	1.4	23.1
1997 08 20	00 27.67	+03 25.6	30.681	31.455	139.3	1.2	23.1
1997 08 30	00 26.94	+03 21.1	30.575	31.447	149.2	0.9	23.1
1997 09 09	00 26.09	+03 15.8	30.495	31.438	159.1	0.7	23.0
1997 09 19	00 25.17	+03 10.1	30.443	31.430	169.1	0.3	23.0
1997 09 29	00 24.21	+03 04.0	30.420	31.422	179.1	0.0	22.9
1997 10 09	00 23.25	+02 57.9	30.427	31.413	170.7	0.3	23.0
1997 10 19	00 22.32	+02 52.0	30.464	31.405	160.6	0.6	23.0
1997 10 29	00 21.47	+02 46.6	30.529	31.396	150.4	0.9	23.1
1997 11 08	00 20.72	+02 41.8	30.621	31.388	140.2	1.2	23.1
1997 11 18	00 20.11	+02 37.9	30.736	31.380	129.9	1.4	23.1
1997 11 28	00 19.66	+02 35.0	30.870	31.371	119.7	1.6	23.1
1997 12 08	00 19.40	+02 33.3	31.020	31.363	109.5	1.7	23.2
1997 12 18	00 19.33	+02 32.8	31.180	31.354	99.3	1.8	23.2
1997 12 28	00 19.47	+02 33.7	31.345	31.346	89.2	1.8	23.2
1998 01 07	00 19.80	+02 35.8	31.509	31.338	79.1	1.8	23.2
1998 01 17	00 20.34	+02 39.3	31.668	31.329	69.0	1.7	23.2
1998 01 27	00 21.06	+02 43.9	31.816	31.321	59.0	1.5	23.2

1992 QB$_1$ a, e, i = 44.24, 0.08, 2 Elements *MPC* 28086

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	00 29.09	+03 26.3	41.033	40.898	81.7	1.4	23.3
1997 07 01	00 29.28	+03 27.8	40.865	40.898	91.2	1.4	23.3
1997 07 11	00 29.33	+03 28.3	40.698	40.898	100.7	1.4	23.3
1997 07 21	00 29.24	+03 27.8	40.536	40.899	110.2	1.3	23.3
1997 07 31	00 29.00	+03 26.5	40.384	40.899	119.9	1.2	23.3
1997 08 10	00 28.63	+03 24.3	40.246	40.899	129.5	1.1	23.2
1997 08 20	00 28.14	+03 21.3	40.127	40.899	139.3	0.9	23.2

1997 08 30	00 27.55	+03 17.6	40.030	40.899	149.1	0.7	23.2
1997 09 09	00 26.89	+03 13.5	39.958	40.900	158.9	0.5	23.2
1997 09 19	00 26.16	+03 08.9	39.914	40.900	168.9	0.3	23.1
1997 09 29	00 25.40	+03 04.1	39.898	40.900	178.8	0.0	23.1
1997 10 09	00 24.64	+02 59.3	39.913	40.900	171.1	0.2	23.1
1997 10 19	00 23.91	+02 54.7	39.958	40.900	161.0	0.5	23.2
1997 10 29	00 23.23	+02 50.4	40.030	40.901	150.8	0.7	23.2
1997 11 08	00 22.63	+02 46.5	40.130	40.901	140.6	0.9	23.2
1997 11 18	00 22.14	+02 43.4	40.253	40.901	130.4	1.1	23.2
1997 11 28	00 21.76	+02 41.0	40.395	40.901	120.2	1.2	23.3
1997 12 08	00 21.53	+02 39.5	40.554	40.901	110.0	1.3	23.3
1997 12 18	00 21.45	+02 39.0	40.722	40.902	99.8	1.4	23.3
1997 12 28	00 21.52	+02 39.4	40.895	40.902	89.7	1.4	23.3
1998 01 07	00 21.75	+02 40.9	41.069	40.902	79.5	1.4	23.3
1998 01 17	00 22.13	+02 43.4	41.237	40.902	69.5	1.3	23.3
1998 01 27	00 22.65	+02 46.8	41.394	40.902	59.4	1.2	23.3

1990 MF a, e, i = 1.75, 0.46, 2 Elements *MPC* 30076

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	00 55.84	+10 13.2	0.467	0.986	72.9	80.1	19.6
1997 07 01	01 47.11	+14 46.4	0.509	0.961	69.2	81.2	19.8
1997 07 11	02 33.30	+18 09.5	0.560	0.951	67.1	80.1	19.9
1997 07 21	03 15.02	+20 33.2	0.613	0.955	66.5	77.4	20.0
1997 07 31	03 52.92	+22 09.5	0.665	0.973	67.1	73.9	20.1
1997 08 10	04 27.30	+23 08.1	0.712	1.005	68.7	70.0	20.2
1997 08 20	04 58.27	+23 36.7	0.751	1.048	71.2	66.1	20.3
1997 08 30	05 25.82	+23 41.9	0.780	1.099	74.5	62.3	20.4
1997 09 09	05 49.75	+23 29.9	0.798	1.157	78.7	58.7	20.4
1997 09 19	06 09.82	+23 05.9	0.805	1.219	83.9	55.0	20.5
1997 09 29	06 25.73	+22 35.3	0.802	1.283	90.0	51.3	20.5
1997 10 09	06 36.97	+22 02.7	0.791	1.350	97.2	47.2	20.4
1997 10 19	06 43.03	+21 32.1	0.773	1.416	105.7	42.6	20.4
1997 10 29	06 43.31	+21 06.4	0.753	1.483	115.5	37.2	20.2
1997 11 08	06 37.32	+20 47.0	0.735	1.548	126.9	30.8	20.1
1997 11 18	06 25.21	+20 32.9	0.726	1.612	139.7	23.4	19.9
1997 11 28	06 08.09	+20 21.1	0.732	1.675	153.8	15.1	19.8
1997 12 08	05 48.34	+20 08.6	0.759	1.735	168.2	6.6	19.6
1997 12 18	05 29.14	+19 55.2	0.812	1.794	175.3	2.6	19.6
1997 12 28	05 13.17	+19 43.7	0.889	1.851	162.4	9.3	20.2
1998 01 07	05 01.98	+19 37.9	0.990	1.905	149.7	15.1	20.7
1998 01 17	04 55.90	+19 39.8	1.111	1.957	138.1	19.6	21.2

1995 QZ$_9$ a, e, i = 39.88, 0.16, 20 Elements *MPC* 27918

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	00 56.13	+04 07.8	35.118	34.872	75.2	1.6	23.1
1997 07 01	00 56.52	+04 08.7	34.956	34.876	84.6	1.7	23.1
1997 07 11	00 56.75	+04 08.4	34.791	34.879	94.1	1.7	23.1
1997 07 21	00 56.80	+04 07.1	34.628	34.882	103.6	1.6	23.1
1997 07 31	00 56.68	+04 04.7	34.472	34.885	113.2	1.5	23.1
1997 08 10	00 56.40	+04 01.3	34.328	34.888	122.9	1.4	23.1
1997 08 20	00 55.97	+03 57.0	34.199	34.892	132.6	1.2	23.1
1997 08 30	00 55.40	+03 51.9	34.089	34.895	142.4	1.0	23.0
1997 09 09	00 54.71	+03 46.2	34.003	34.898	152.3	0.8	23.0
1997 09 19	00 53.93	+03 39.9	33.944	34.901	162.2	0.5	23.0
1997 09 29	00 53.10	+03 33.4	33.912	34.905	172.1	0.2	22.9
1997 10 09	00 52.23	+03 26.9	33.910	34.908	176.9	0.1	22.9
1997 10 19	00 51.38	+03 20.4	33.939	34.911	167.3	0.4	22.9
1997 10 29	00 50.56	+03 14.4	33.997	34.914	157.2	0.6	23.0
1997 11 08	00 49.81	+03 08.9	34.083	34.918	147.0	0.9	23.0
1997 11 18	00 49.17	+03 04.1	34.194	34.921	136.8	1.1	23.0
1997 11 28	00 48.66	+03 00.3	34.328	34.924	126.5	1.3	23.1
1997 12 08	00 48.30	+02 57.5	34.480	34.927	116.3	1.4	23.1
1997 12 18	00 48.11	+02 55.8	34.646	34.931	106.1	1.6	23.1
1997 12 28	00 48.10	+02 55.3	34.820	34.934	95.9	1.6	23.1
1998 01 07	00 48.27	+02 55.9	34.997	34.937	85.7	1.6	23.1
1998 01 17	00 48.62	+02 57.8	35.171	34.941	75.7	1.6	23.2
1998 01 27	00 49.15	+03 00.6	35.339	34.944	65.6	1.5	23.2

1993 UC a, e, i = 2.44, 0.66, 26 Elements *MPC* 30092

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 06 21	01 47.97	+03 48.6	2.472	2.214	63.5	24.3	20.3
1997 07 01	02 06.23	+04 10.3	2.282	2.133	68.6	26.4	20.1
1997 07 11	02 25.44	+04 18.7	2.091	2.050	73.5	28.4	19.9
1997 07 21	02 45.79	+04 10.5	1.901	1.964	78.2	30.4	19.7
1997 07 31	03 07.57	+03 41.6	1.714	1.876	82.6	32.4	19.4
1997 08 10	03 31.11	+02 46.9	1.534	1.786	86.5	34.5	19.1
1997 08 20	03 56.89	+01 20.0	1.362	1.693	89.8	36.7	18.8
1997 08 30	04 25.53	−00 46.0	1.202	1.599	92.2	39.1	18.5
1997 09 09	04 57.83	−03 38.5	1.058	1.503	93.3	42.0	18.1
1997 09 19	05 34.80	−07 21.8	0.933	1.405	92.9	45.5	17.8
1997 09 29	06 17.62	−11 53.0	0.831	1.308	90.5	50.0	17.5
1997 10 09	07 07.26	−16 53.3	0.757	1.211	86.0	55.4	17.3
1997 10 19	08 03.93	−21 43.1	0.712	1.116	79.7	61.4	17.2
1997 10 29	09 06.29	−25 31.0	0.697	1.027	72.5	67.2	17.1
1997 11 08	10 11.09	−27 36.2	0.708	0.948	65.4	71.9	17.1
1997 11 18	11 14.59	−27 48.9	0.740	0.883	59.3	74.5	17.2
1997 11 28	12 14.22	−26 29.7	0.790	0.838	55.0	74.6	17.2
1997 12 08	13 08.92	−24 10.8	0.851	0.820	52.4	72.3	17.2
1997 12 18	13 58.64	−21 22.0	0.918	0.830	51.6	68.3	17.3
1997 12 28	14 43.53	−18 23.2	0.987	0.868	52.3	63.7	17.4
1998 01 07	15 23.65	−15 23.7	1.053	0.928	54.1	59.1	17.6
1998 01 17	15 59.15	−12 26.0	1.113	1.004	56.8	55.1	17.7
1998 01 27	16 30.24	−09 29.5	1.165	1.091	60.3	51.6	17.9
1998 02 06	16 57.12	−06 32.8	1.208	1.184	64.4	48.7	18.1
1998 02 16	17 20.00	−03 34.5	1.241	1.280	69.1	46.1	18.3
1998 02 26	17 39.04	−00 33.7	1.264	1.378	74.3	43.7	18.4
1998 03 08	17 54.26	+02 29.8	1.278	1.476	80.0	41.5	18.5
1998 03 18	18 05.64	+05 34.8	1.286	1.572	86.2	39.2	18.6
1998 03 28	18 13.09	+08 39.7	1.287	1.667	92.8	36.7	18.6
1998 04 07	18 16.41	+11 40.5	1.286	1.760	99.9	34.1	18.7
1998 04 17	18 15.53	+14 31.4	1.286	1.851	107.2	31.2	18.7
1998 04 27	18 10.42	+17 04.5	1.290	1.940	114.7	28.1	18.7
1998 05 07	18 01.39	+19 09.6	1.303	2.026	121.9	25.0	18.8
1998 05 17	17 49.18	+20 36.7	1.328	2.110	128.3	22.1	18.8
1998 05 27	17 34.98	+21 18.3	1.370	2.191	133.2	19.7	18.9
1998 06 06	17 20.31	+21 11.5	1.430	2.271	135.8	18.2	19.0

1998 06 16	17 06.68	+20 20.2	1.511	2.347	135.7	17.6	19.2
1998 06 26	16 55.22	+18 52.9	1.611	2.422	133.1	17.8	19.4
1998 07 06	16 46.62	+17 00.4	1.730	2.495	128.6	18.6	19.6
1998 07 16	16 41.07	+14 53.3	1.866	2.565	122.9	19.4	19.9
1998 07 26	16 38.44	+12 40.1	2.017	2.633	116.6	20.2	20.1
1998 08 05	16 38.48	+10 27.2	2.180	2.699	109.9	20.7	20.4
1998 08 15	16 40.83	+08 18.9	2.352	2.763	103.1	20.9	20.6
1998 08 25	16 45.16	+06 17.7	2.530	2.825	96.3	20.8	20.8
1998 09 04	16 51.16	+04 25.5	2.713	2.886	89.5	20.5	21.0

1994 TA a, e, i = 16.83, 0.30, 5 Elements *MPC* 27937

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 07 01	02 25.50	+09 02.0	16.729	16.281	62.3	3.2	24.0
1997 07 11	02 26.97	+09 06.2	16.589	16.295	71.5	3.4	24.0
1997 07 21	02 28.12	+09 08.5	16.441	16.308	80.7	3.5	24.0
1997 07 31	02 28.90	+09 08.9	16.289	16.321	90.0	3.6	24.0
1997 08 10	02 29.32	+09 07.3	16.137	16.334	99.5	3.5	23.9
1997 08 20	02 29.34	+09 03.8	15.989	16.347	109.0	3.4	23.9
1997 08 30	02 28.99	+08 58.6	15.850	16.360	118.7	3.1	23.9
1997 09 09	02 28.27	+08 51.8	15.726	16.373	128.6	2.8	23.8
1997 09 19	02 27.21	+08 43.7	15.620	16.386	138.5	2.3	23.8
1997 09 29	02 25.85	+08 34.5	15.536	16.399	148.5	1.8	23.8
1997 10 09	02 24.26	+08 24.7	15.478	16.412	158.5	1.3	23.7
1997 10 19	02 22.50	+08 14.6	15.449	16.425	168.2	0.7	23.6
1997 10 29	02 20.65	+08 04.7	15.449	16.438	174.4	0.3	23.6
1997 11 08	02 18.79	+07 55.3	15.480	16.451	168.1	0.7	23.7
1997 11 18	02 17.00	+07 47.0	15.542	16.464	158.2	1.3	23.7
1997 11 28	02 15.38	+07 40.1	15.632	16.477	147.9	1.8	23.8
1997 12 08	02 13.98	+07 35.0	15.749	16.490	137.6	2.3	23.8
1997 12 18	02 12.87	+07 31.8	15.889	16.503	127.2	2.7	23.9
1997 12 28	02 12.11	+07 30.8	16.047	16.516	116.9	3.0	23.9
1998 01 07	02 11.72	+07 32.0	16.219	16.529	106.7	3.3	24.0
1998 01 17	02 11.72	+07 35.4	16.400	16.542	96.6	3.4	24.0
1998 01 27	02 12.12	+07 40.8	16.584	16.554	86.6	3.4	24.0
1998 02 06	02 12.90	+07 48.2	16.766	16.567	76.7	3.3	24.0
1998 02 16	02 14.05	+07 57.4	16.942	16.580	67.0	3.1	24.1
1998 02 26	02 15.54	+08 07.9	17.107	16.593	57.3	2.9	24.1

P/1996 R2 (Lagerkvist) Elements *MPC* 28557

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 07 01	04 21.29	+22 03.6	3.585	2.776	32.0	11.2	18.7	
1997 07 11	04 38.19	+22 45.4	3.532	2.796	37.6	12.8	18.7	
1997 07 21	04 54.63	+23 20.0	3.468	2.816	43.3	14.3	18.7	
1997 07 31	05 10.50	+23 47.8	3.395	2.838	49.2	15.7	18.7	
1997 08 10	05 25.65	+24 09.4	3.313	2.860	55.3	16.9	18.7	
1997 08 20	05 39.92	+24 25.5	3.222	2.882	61.6	18.0	18.6	
1997 08 30	05 53.16	+24 37.1	3.124	2.906	68.3	18.8	18.6	
1997 09 09	06 05.16	+24 45.3	3.020	2.930	75.2	19.4	18.6	
1997 09 19	06 15.71	+24 51.3	2.911	2.954	82.6	19.7	18.5	
1997 09 29	06 24.60	+24 56.3	2.800	2.980	90.3	19.6	18.5	
1997 10 09	06 31.58	+25 01.5	2.689	3.005	98.6	19.2	18.4	
1997 10 19	06 36.40	+25 08.1	2.580	3.031	107.4	18.3	18.4	
1997 10 29	06 38.85	+25 16.9	2.478	3.058	116.8	16.9	18.3	
1997 11 08	06 38.76	+25 28.1	2.387	3.085	126.9	14.9	18.3	
1997 11 18	06 36.12	+25 41.3	2.310	3.112	137.5	12.4	18.2	
1997 11 28	06 31.07	+25 55.3	2.254	3.139	148.7	9.4	18.2	
1997 12 08	06 24.05	+26 08.4	2.222	3.167	160.4	6.0	18.2	
1997 12 18	06 15.75	+26 18.6	2.218	3.195	172.0	2.4	18.3	
1997 12 28	06 07.08	+26 24.7	2.243	3.223	174.4	1.7	18.3	
1998 01 07	05 58.96	+26 26.5	2.299	3.252	163.0	5.1	18.4	
1998 01 17	05 52.25	+26 24.6	2.382	3.280	151.4	8.2	18.5	
1998 01 27	05 47.51	+26 20.5	2.491	3.309	140.2	11.0	18.7	
1998 02 06	05 45.05	+26 15.3	2.622	3.338	129.6	13.2	18.8	
1998 02 16	05 44.95	+26 10.3	2.769	3.366	119.4	14.8	19.0	
1998 02 26	05 47.09	+26 05.6	2.929	3.395	109.9	15.9	19.1	
1998 03 08	05 51.28	+26 01.3	3.097	3.424	100.8	16.5	19.3	
1998 03 18	05 57.27	+25 57.0	3.269	3.453	92.2	16.7	19.5	
1998 03 28	06 04.79	+25 52.1	3.443	3.482	83.9	16.6	19.6	
1998 04 07	06 13.62	+25 45.8	3.615	3.511	76.1	16.1	19.7	
1998 04 17	06 23.52	+25 37.7	3.782	3.539	68.5	15.3	19.9	
1998 04 27	06 34.28	+25 27.0	3.942	3.568	61.2	14.3	20.0	
1998 05 07	06 45.74	+25 13.3	4.094	3.597	54.1	13.1	20.1	
1998 05 17	06 57.73	+24 56.2	4.236	3.625	47.2	11.8	20.2	
1998 05 27	07 10.10	+24 35.5	4.366	3.653	40.4	10.4	20.3	
1998 06 06	07 22.76	+24 11.2	4.482	3.682	33.7	8.8	20.4	

1993 PB a, e, i = 1.42, 0.61, 41 Elements *MPC* 26191

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 07 11	00 19.47	+33 21.8	2.010	2.251	90.0	26.8	21.0
1997 07 21	00 19.77	+36 57.8	1.879	2.234	96.4	26.9	20.8
1997 07 31	00 16.38	+40 38.7	1.754	2.213	102.8	26.6	20.6
1997 08 10	00 08.14	+44 17.9	1.639	2.188	108.9	26.0	20.5
1997 08 20	23 53.82	+47 43.8	1.535	2.159	114.4	25.3	20.3
1997 08 30	23 32.41	+50 38.5	1.446	2.127	119.0	24.5	20.1
1997 09 09	23 04.11	+52 38.0	1.375	2.091	122.0	24.1	19.9
1997 09 19	22 31.45	+53 20.7	1.324	2.052	123.0	24.3	19.8
1997 09 29	21 59.07	+52 38.3	1.292	2.008	121.7	25.1	19.7
1997 10 09	21 31.74	+50 41.9	1.277	1.960	118.3	26.6	19.7
1997 10 19	21 12.11	+47 58.2	1.278	1.908	113.5	28.6	19.7
1997 10 29	21 00.46	+44 55.1	1.290	1.852	107.7	30.7	19.7
1997 11 08	20 55.91	+41 55.1	1.307	1.791	101.5	32.8	19.7
1997 11 18	20 57.19	+39 13.2	1.326	1.726	95.3	34.8	19.7
1997 11 28	21 03.23	+36 56.6	1.343	1.656	89.2	36.6	19.7
1997 12 08	21 13.23	+35 08.9	1.354	1.581	83.5	38.2	19.7
1997 12 18	21 26.63	+33 50.1	1.355	1.501	78.1	39.9	19.6
1997 12 28	21 43.17	+32 58.0	1.344	1.415	73.1	41.7	19.5
1998 01 07	22 02.80	+32 29.5	1.319	1.325	68.5	43.7	19.4
1998 01 17	22 25.66	+32 18.9	1.279	1.228	64.2	46.1	19.2
1998 01 27	22 52.15	+32 17.3	1.223	1.127	60.3	49.3	19.0
1998 02 06	23 22.85	+32 10.7	1.150	1.021	56.5	53.6	18.8
1998 02 16	23 58.32	+31 34.1	1.061	0.912	52.7	59.5	18.6
1998 02 26	00 38.75	+29 44.3	0.956	0.802	48.6	67.9	18.3
1998 03 08	01 22.62	+25 28.8	0.843	0.699	43.8	79.5	18.1
1998 03 18	02 04.61	+17 05.4	0.733	0.613	37.9	94.9	18.2
1998 03 28	02 34.78	+03 34.3	0.652	0.564	32.1	110.0	18.5
1998 04 07	02 43.64	−12 16.1	0.628	0.569	31.4	113.4	18.6

1998 04 17	02 32.46	−24 38.2	0.655	0.625	37.3	103.3	18.4
1998 04 27	02 12.50	−31 28.2	0.698	0.714	45.2	90.9	18.2
1998 05 07	01 52.72	−34 28.9	0.732	0.819	53.3	80.9	18.2
1998 05 17	01 35.54	−35 37.4	0.746	0.929	61.7	73.4	18.3
1998 05 27	01 19.67	−36 05.8	0.739	1.038	70.7	67.1	18.3
1998 06 06	01 02.36	−36 32.3	0.715	1.143	80.7	61.2	18.2
1998 06 16	00 40.36	−37 13.4	0.679	1.244	92.3	54.7	18.1
1998 06 26	00 09.91	−38 08.8	0.638	1.339	105.8	46.9	17.9
1998 07 06	23 27.59	−38 52.5	0.604	1.429	121.6	37.3	17.7
1998 07 16	22 33.77	−38 29.6	0.590	1.514	139.3	26.0	17.4
1998 07 26	21 36.18	−36 12.2	0.609	1.593	156.5	14.7	17.3
1998 08 05	20 46.50	−32 17.8	0.667	1.667	164.5	9.4	17.4
1998 08 15	20 10.83	−27 57.1	0.763	1.736	155.6	13.9	17.9
1998 08 25	19 48.39	−24 03.4	0.888	1.801	142.9	19.8	18.5
1998 09 04	19 36.11	−20 53.4	1.036	1.861	131.1	24.1	19.1
1998 09 14	19 31.01	−18 23.1	1.199	1.916	120.5	26.9	19.5
1998 09 24	19 30.97	−16 22.9	1.371	1.968	111.0	28.4	19.9
1998 10 04	19 34.56	−14 43.5	1.549	2.015	102.3	29.0	20.2
1998 10 14	19 40.77	−13 17.4	1.728	2.058	94.2	28.9	20.5
1998 10 24	19 48.94	−11 59.2	1.906	2.097	86.6	28.3	20.8
1998 11 03	19 58.60	−10 44.7	2.081	2.132	79.3	27.2	21.0

9P/Tempel 1 Elements *MPC* 29881

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 07 21	05 26.77	+24 12.0	5.479	4.694	35.9	7.3		22.1
1997 07 31	05 35.29	+24 25.3	5.370	4.686	43.5	8.6		22.1
1997 08 10	05 43.28	+24 37.3	5.245	4.678	51.3	9.7		22.1
1997 08 20	05 50.60	+24 48.2	5.105	4.669	59.2	10.7		22.1
1997 08 30	05 57.14	+24 58.5	4.953	4.659	67.4	11.5		22.0
1997 09 09	06 02.72	+25 08.7	4.792	4.648	75.8	12.1		22.0
1997 09 19	06 07.18	+25 19.1	4.624	4.637	84.5	12.5		21.9
1997 09 29	06 10.36	+25 30.3	4.453	4.625	93.6	12.5		21.8
1997 10 09	06 12.07	+25 42.5	4.283	4.612	103.0	12.2		21.7
1997 10 19	06 12.16	+25 56.0	4.118	4.598	112.9	11.5		21.6
1997 10 29	06 10.52	+26 10.6	3.964	4.584	123.2	10.4		21.5
1997 11 08	06 07.08	+26 25.8	3.825	4.569	134.0	9.0		21.3
1997 11 18	06 01.91	+26 40.8	3.707	4.554	145.2	7.1		21.2
1997 11 28	05 55.21	+26 54.4	3.615	4.538	156.6	4.9		21.0
1997 12 08	05 47.33	+27 05.5	3.552	4.521	168.2	2.6		20.8
1997 12 18	05 38.80	+27 13.1	3.521	4.503	176.0	0.9		20.6
1997 12 28	05 30.21	+27 16.9	3.522	4.484	166.5	2.9		20.8
1998 01 07	05 22.21	+27 17.1	3.556	4.465	154.8	5.4		20.9
1998 01 17	05 15.33	+27 14.8	3.619	4.445	143.2	7.6		21.1
1998 01 27	05 10.00	+27 11.2	3.706	4.425	131.9	9.5		21.2
1998 02 06	05 06.46	+27 07.7	3.814	4.403	121.0	11.1		21.3
1998 02 16	05 04.81	+27 05.3	3.936	4.381	110.5	12.2		21.4
1998 02 26	05 05.03	+27 04.6	4.068	4.358	100.5	12.9		21.5
1998 03 08	05 07.02	+27 05.8	4.203	4.335	91.0	13.2		21.6
1998 03 18	05 10.64	+27 08.9	4.338	4.310	81.8	13.2		21.6
1998 03 28	05 15.72	+27 13.4	4.469	4.285	73.0	12.9		21.7
1998 04 07	05 22.10	+27 18.9	4.591	4.260	64.6	12.3		21.7
1998 04 17	05 29.60	+27 24.7	4.703	4.233	56.5	11.4		21.7
1998 04 27	05 38.08	+27 30.3	4.802	4.206	48.7	10.4		21.7
1998 05 07	05 47.39	+27 35.2	4.885	4.177	41.1	9.1		21.7
1998 05 17	05 57.41	+27 38.9	4.951	4.149	33.7	7.8		21.6

129P/Shoemaker-Levy 3 Elements *MPC* 28052

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 07 21	05 39.85	+26 20.4	3.836	3.034	33.0	10.5	18.7	21.0
1997 07 31	05 56.35	+26 22.8	3.741	3.017	38.8	12.2	18.7	21.0
1997 08 10	06 12.55	+26 19.1	3.635	3.000	44.7	13.7	18.6	21.0
1997 08 20	06 28.31	+26 09.7	3.520	2.984	50.8	15.2	18.5	20.9
1997 08 30	06 43.53	+25 55.1	3.396	2.969	57.0	16.6	18.4	20.9
1997 09 09	06 58.05	+25 36.1	3.265	2.954	63.4	17.7	18.3	20.8
1997 09 19	07 11.71	+25 13.6	3.128	2.940	70.0	18.7	18.2	20.8
1997 09 29	07 24.34	+24 48.7	2.986	2.926	76.9	19.5	18.0	20.7
1997 10 09	07 35.73	+24 22.6	2.842	2.913	84.1	19.9	17.9	20.6
1997 10 19	07 45.68	+23 56.7	2.696	2.901	91.7	20.1	17.8	20.5
1997 10 29	07 53.94	+23 32.4	2.552	2.890	99.7	19.8	17.6	20.3
1997 11 08	08 00.23	+23 11.3	2.411	2.879	108.2	19.1	17.5	20.2
1997 11 18	08 04.31	+22 54.5	2.278	2.869	117.3	17.8	17.4	20.0
1997 11 28	08 05.94	+22 43.1	2.156	2.860	127.0	16.0	17.2	19.8
1997 12 08	08 04.97	+22 37.2	2.049	2.852	137.3	13.6	17.1	19.6
1997 12 18	08 01.45	+22 36.3	1.960	2.844	148.2	10.5	17.0	19.4
1997 12 28	07 55.64	+22 38.8	1.895	2.838	159.7	6.9	16.9	19.2
1998 01 07	07 48.14	+22 42.4	1.856	2.832	171.6	2.9	16.9	18.9
1998 01 17	07 39.87	+22 44.5	1.845	2.827	176.0	1.4	16.8	18.8
1998 01 27	07 31.86	+22 43.4	1.863	2.824	164.2	5.4	16.9	19.0
1998 02 06	07 25.13	+22 38.0	1.909	2.821	152.5	9.3	16.9	19.3
1998 02 16	07 20.47	+22 28.3	1.978	2.819	141.4	12.6	17.0	19.5
1998 02 26	07 18.31	+22 14.8	2.069	2.818	130.9	15.4	17.1	19.7
1998 03 08	07 18.81	+21 57.9	2.175	2.817	121.0	17.6	17.2	19.9
1998 03 18	07 21.88	+21 37.6	2.293	2.818	111.8	19.1	17.3	20.0
1998 03 28	07 27.28	+21 13.9	2.420	2.820	103.1	20.2	17.4	20.2
1998 04 07	07 34.73	+20 46.3	2.552	2.822	95.1	20.7	17.5	20.3
1998 04 17	07 43.92	+20 14.3	2.687	2.826	87.5	20.8	17.7	20.4
1998 04 27	07 54.54	+19 37.3	2.821	2.830	80.3	20.5	17.8	20.5
1998 05 07	08 06.34	+18 55.0	2.953	2.836	73.4	19.9	17.9	20.6
1998 05 17	08 19.07	+18 07.0	3.082	2.842	66.9	19.1	18.0	20.7
1998 05 27	08 32.53	+17 13.1	3.206	2.849	60.6	18.1	18.1	20.7
1998 06 06	08 46.55	+16 13.3	3.323	2.857	54.5	16.8	18.2	20.8
1998 06 16	09 00.98	+15 07.7	3.434	2.865	48.6	15.4	18.3	20.8
1998 06 26	09 15.70	+13 56.5	3.536	2.875	42.8	13.9	18.3	20.8
1998 07 06	09 30.62	+12 39.9	3.629	2.885	37.2	12.3	18.4	20.8
1998 07 16	09 45.64	+11 18.5	3.713	2.897	31.6	10.6	18.5	20.8

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	$\phi_{\rm MIN}$	*MPC*
(7704)	97 05 20.0	15 47.47	−13 43.2	17.0	−0.94	+ 0.6	2.4/19.0	30070
1995 XD_1	97 05 20.0	15 47.52	−19 19.7	17.7	−1.04	+ 1.9	0.2/19.9	26572
(7396)	97 05 20.1	15 47.83	−17 55.1	17.1	−0.84	+ 2.9	0.6/19.7	28825
1993 FS_{26}	97 05 20.1	15 48.06	−23 32.5	16.3	−1.00	+ 4.1	1.6/20.8	26759
1994 UY	97 05 20.2	15 48.47	−24 36.4	17.6	−1.02	+ 3.1	1.7/21.1	29138
3146 T-2	97 05 20.3	15 48.95	−15 17.4	17.6	−1.03	+ 2.2	1.9/19.6	26583
1995 YD_1	97 05 20.3	15 49.01	−07 09.1	16.2	−1.03	+ 0.4	5.7/18.4	30082
1992 FE_1	97 05 20.4	15 49.07	−21 14.0	16.3	−0.96	+ 1.4	0.4/20.6	27455

1044 T-2	97 05 20.4	15 49.36	−28 27.0	16.9	−1.06	+ 2.6	4.1/21.9	24578
1990 QT_1	97 05 20.5	15 49.86	−14 56.4	17.7	−1.02	+ 3.1	2.2/19.7	30077
1988 RG_{10}	97 05 20.6	15 49.84	−24 27.0	18.3	−0.56	+ 1.6	0.8/21.5	25079
1988 RO_{10}	97 05 20.7	15 50.37	+08 59.4	20.0	−0.50	+ 2.0	5.5/14.1	25226
1979 EL	97 05 20.7	15 50.40	−07 32.6	16.4	−0.94	− 0.3	4.1/18.9	22073
(6709)	97 05 20.8	15 50.78	−18 13.2	17.1	−1.04	+ 2.7	0.7/20.5	26155
1996 BN	97 05 20.8	15 50.86	−18 15.8	18.1	−1.02	+ 2.5	0.7/20.5	26928
1991 UP_2	97 05 20.9	15 51.14	−17 21.8	16.7	−1.10	+ 1.4	1.2/20.5	29943
1988 RD_{12}	97 05 20.9	15 51.15	−25 06.9	18.8	−0.56	+ 1.5	0.9/21.9	23246
1994 QJ	97 05 20.9	15 51.45	+18 10.9	18.6	−1.02	+ 0.2	13.5/12.6	25084
1991 GT_5	97 05 21.0	15 51.50	−18 51.2	17.1	−0.81	+ 2.6	0.5/20.8	27934
4035 T-3	97 05 21.0	15 51.66	−32 11.5	18.6	−0.66	− 0.2	2.4/23.1	27124
6054 P-L	97 05 21.1	15 51.88	−17 04.2	19.0	−0.78	+ 3.1	0.9/20.5	24915
1991 AD	97 05 21.1	15 52.18	−24 27.3	16.7	−0.93	+ 4.6	1.4/22.0	30091
1988 SG_3	97 05 21.2	15 52.45	−10 16.3	19.2	−0.57	− 0.3	1.9/19.6	15892
1997 JJ_{18}	97 05 21.2	15 52.50	−12 29.7	17.1	−0.95	− 0.2	2.9/20.1	30087
1978 VD_5	97 05 21.3	15 52.78	−18 42.6	18.5	−0.81	+ 2.6	0.5/21.1	27118
1995 XP_4	97 05 21.3	15 52.83	−14 08.6	16.8	−0.99	+ 5.2	2.7/20.2	30093
1979 KQ	97 05 21.4	15 53.26	−12 30.6	17.4	−0.89	+ 3.8	2.9/20.0	30090
1989 YG_5	97 05 21.5	15 53.49	−08 19.9	16.0	−0.88	− 1.9	4.1/20.0	29941
1994 YG	97 05 21.6	15 53.82	−20 57.1	19.7	−0.81	+ 2.3	0.2/21.7	24915
1990 QL_3	97 05 21.6	15 53.84	−30 11.5	16.7	−1.10	+ 1.5	4.3/23.1	24240
1991 VM_4	97 05 21.6	15 53.90	−22 54.8	18.2	−1.05	+ 2.3	0.9/22.0	30091
1990 TV_{12}	97 05 21.6	15 53.95	−21 19.3	17.4	−0.54	+ 4.0	0.2/21.9	27934
1981 ES_{11}	97 05 21.6	15 54.04	−23 06.6	17.6	−0.93	+ 5.6	1.3/22.2	26917
1990 RM_9	97 05 21.7	15 54.32	−21 01.7	16.8	−1.05	+ 5.5	0.3/21.9	27104
(6910)	97 05 21.7	15 54.62	−33 52.9	16.5	−0.95	+ 1.5	4.5/24.1	27696
4046 T-3	97 05 21.7	15 54.64	−11 53.3	16.3	−0.99	+ 0.8	4.2/20.5	30095
1988 VG_4	97 05 21.8	15 54.73	−25 01.4	17.0	−0.80	+ 3.3	1.3/22.7	24760
1985 US	97 05 21.9	15 55.13	−14 29.4	18.0	−0.89	+ 2.2	2.0/20.9	30090
1994 TZ_{14}	97 05 21.9	15 55.23	−13 43.2	18.5	−0.93	+ 3.7	2.2/20.7	30080
1981 EJ_{15}	97 05 21.9	15 55.46	−22 10.4	18.2	−1.00	+ 3.5	0.6/22.3	24580
1981 UR_{27}	97 05 22.0	15 55.44	−38 36.6	14.7	−1.19	− 1.8	7.5/24.3	27118
1991 UO_2	97 05 22.0	15 55.87	−14 16.2	17.7	−1.03	+ 2.3	2.2/21.1	30091
1990 UO_1	97 05 22.1	15 55.89	−12 53.6	17.9	−0.93	+ 2.3	2.6/20.8	30077
1987 EQ	97 05 22.1	15 56.06	−25 06.0	17.0	−1.11	+ 3.2	2.3/22.9	26188
1997 KR_3	97 05 22.1	15 56.15	−12 32.9	17.7	−0.78	+ 1.6	2.1/20.8	30088
(6928)	97 05 22.2	15 56.23	−15 42.7	18.4	−0.87	+ 3.9	1.4/21.3	26896
1991 AA_1	97 05 22.4	15 57.11	−17 19.2	17.0	−0.91	+ 1.4	1.0/21.9	28885
2224 T-2	97 05 22.4	15 57.23	−21 40.8	17.6	−0.88	+ 1.9	0.4/22.6	28892
6583 P-L	97 05 22.5	15 57.78	−13 52.6	18.1	−1.02	+ 3.7	2.6/21.4	30095
(6847)	97 05 22.5	15 57.80	−30 41.0	17.5	−1.40	− 3.5	3.7/23.5	26728
(6935)	97 05 22.7	15 58.23	−20 16.0	16.9	−1.07	+ 3.3	0.1/22.7	29076
1989 UO_5	97 05 22.7	15 58.56	−31 12.4	18.6	−0.61	+ 0.1	2.0/24.5	28316
1989 BA	97 05 22.7	15 58.71	−58 44.3	17.1	−1.83	+ 1.4	13.6/31.4	29656
1994 UB_1	97 05 22.8	15 59.00	−27 22.6	15.9	−1.14	− 2.1	3.1/23.6	30081
1979 MH_4	97 05 22.8	15 59.10	−14 57.5	18.1	−0.94	+ 4.8	2.6/21.8	30074
1981 TW_1	97 05 22.8	15 59.11	−19 47.9	16.2	−1.07	+ 7.5	0.4/22.7	30090
1991 UB_3	97 05 22.9	15 59.05	−20 46.1	17.8	−1.10	+ 1.4	0.1/22.9	28615
2558 P-L	97 05 22.9	15 59.25	−25 33.3	18.1	−0.84	+ 1.6	1.4/23.8	27732
1988 RR_{10}	97 05 23.1	16 00.17	+00 43.3	19.3	−0.51	+ 1.9	4.2/18.8	25226
(6898)	97 05 23.1	16 00.21	−05 08.9	15.6	−0.97	− 3.3	6.6/21.6	26889
1989 CV_1	97 05 23.1	16 00.26	−14 58.4	18.0	−1.03	+ 1.4	2.1/22.4	28315
1981 EJ_{26}	97 05 23.1	16 00.30	−21 59.4	16.4	−1.15	+ 2.2	0.7/23.4	26919
1996 AO_2	97 05 23.2	16 00.29	−21 54.4	17.2	−1.01	+ 2.5	0.5/23.4	26761
(6823)	97 05 23.2	16 00.37	−08 48.6	15.1	−1.00	− 1.5	4.0/21.8	26552
1994 PL_{32}	97 05 23.3	16 00.76	−18 31.8	19.1	−0.93	+ 3.5	0.7/23.0	26759
1994 UE_1	97 05 23.3	16 00.90	−20 39.4	17.3	−0.90	+ 4.5	0.0/23.4	30093
1993 FR_{23}	97 05 23.4	16 01.20	−30 09.4	16.9	−1.19	+ 1.6	3.6/24.8	27121
3268 T-3	97 05 23.7	16 02.25	−14 18.4	19.1	−0.98	+ 5.4	2.7/22.5	30089
1991 RD_{16}	97 05 23.7	16 02.59	−12 28.1	19.1	−1.07	+ 3.5	3.3/22.4	30091
1984 YE_4	97 05 23.8	16 02.68	−18 27.8	16.9	−1.06	+ 0.8	0.8/23.5	27119
1978 RB_{10}	97 05 23.8	16 03.03	−29 36.6	18.4	−1.21	+ 2.0	4.1/25.0	21099
2768 P-L	97 05 23.9	16 03.14	−16 09.2	17.3	−0.91	+ 1.9	2.0/23.2	15902
(6865)	97 05 23.9	16 03.19	−17 29.5	16.7	−1.06	+ 2.1	1.2/23.4	26732
1988 RE_{12}	97 05 23.9	16 03.32	−03 01.3	21.2	−0.51	+ 2.1	3.4/20.4	15560
(6891)	97 05 24.0	16 03.62	−11 18.3	17.1	−0.88	+ 2.9	3.4/22.4	26888
1994 PW_{27}	97 05 24.0	16 03.67	−26 30.1	17.0	−1.11	+ 1.9	2.6/24.9	26581
1978 RD_{10}	97 05 24.1	16 03.88	−17 46.9	17.9	−0.84	+ 2.5	0.9/23.6	30090
1992 ED_1	97 05 24.1	16 04.13	−20 12.7	16.4	−0.92	+ 6.4	0.2/24.0	24408
1988 RG_1	97 05 24.1	16 04.14	+08 37.1	17.2	−0.49	+ 1.6	5.4/18.0	27119
1994 PS_{11}	97 05 24.1	16 04.14	−20 07.3	16.9	−1.01	+ 3.8	0.3/24.0	30092
1993 TA_{24}	97 05 24.2	16 04.59	−18 15.6	16.2	−0.82	+ 1.5	0.9/23.9	23125
1978 NN_1	97 05 24.2	16 04.66	−07 00.7	16.6	−0.88	+ 2.6	5.6/21.8	30090
1997 LR	97 05 24.2	16 04.75	−07 22.2	19.0	−1.11	+ 1.9	6.7/22.1	30088
1024 T-1	97 05 24.3	16 04.94	−33 26.3	18.3	−0.59	+ 1.0	2.2/26.5	28892
1978 SJ_7	97 05 24.3	16 05.05	−41 30.5	17.1	−1.13	− 0.5	7.2/27.0	23990
1983 TU_1	97 05 24.3	16 05.12	−24 23.6	16.5	−1.13	− 0.7	1.4/24.8	29940
1993 OS_{10}	97 05 24.4	16 05.13	−24 08.8	17.1	−0.93	+ 3.7	1.2/25.0	23676
1981 EL_{45}	97 05 24.4	16 05.50	−23 20.2	18.3	−0.99	+ 5.1	1.0/25.0	26923
1993 SM_3	97 05 24.5	16 05.81	−18 20.3	17.9	−0.80	+ 2.1	0.7/24.2	24763
(7716)	97 05 24.6	16 05.89	−12 38.1	17.2	−1.00	+ 4.6	3.2/23.1	30073
1993 BJ_3	97 05 24.6	16 06.16	−18 51.4	17.2	−1.07	+ 3.1	0.8/24.3	28317
1994 YR	97 05 24.7	16 06.67	−16 18.4	17.7	−1.01	+ 1.7	1.8/24.1	30093
2084 T-2	97 05 24.7	16 06.72	+13 52.6	17.5	−1.01	+ 9.1	16.4/15.5	30095
1979 QA_2	97 05 24.9	16 07.44	−22 40.9	15.9	−0.99	+ 1.9	0.8/25.2	23778
2577 P-L	97 05 25.0	16 07.99	−21 57.1	17.1	−0.99	+ 2.5	0.5/25.3	24409
(7046)	97 05 25.1	16 08.09	−33 56.0	15.6	−0.99	− 0.1	4.5/26.8	27435
1991 VG_3	97 05 25.1	16 08.26	−03 16.7	17.1	−1.01	+11.4	6.5/20.7	27325
1978 VW_6	97 05 25.1	16 08.39	−20 41.6	18.3	−0.94	+ 6.3	0.1/25.1	26913
1982 WA	97 05 25.2	16 08.44	−23 53.1	17.4	−0.96	+ 5.6	1.0/25.8	30075
(6844)	97 05 25.2	16 08.62	−12 16.6	16.9	−1.06	+ 2.2	3.5/24.0	26727
1990 VN_5	97 05 25.2	16 08.69	−11 23.4	17.8	−1.08	− 2.9	3.8/24.4	23975
(7210)	97 05 25.3	16 09.16	−16 49.6	16.4	−0.88	+ 1.9	1.5/24.8	27907
(6831)	97 05 25.4	16 09.15	−30 09.6	15.8	−1.20	+ 2.0	4.4/26.7	26553
6335 P-L	97 05 25.4	16 09.20	−19 41.8	16.9	−0.83	+ 2.4	0.5/25.2	26912
3854 T-3	97 05 25.4	16 09.41	−17 35.2	17.7	−0.82	+ 2.0	1.1/24.9	25085
1991 XO_2	97 05 25.4	16 09.43	−18 35.9	18.2	−1.01	+ 3.9	0.8/25.1	28316
1993 FV_{32}	97 05 25.6	16 10.07	−16 19.1	16.5	−1.06	+ 2.5	2.1/24.9	28616
1995 YV	97 05 25.6	16 10.14	−14 34.0	18.8	−1.06	+ 1.0	2.5/24.8	30082
(6918)	97 05 25.6	16 10.17	−18 06.3	16.2	−1.00	+ 3.1	1.3/25.2	26894
1997 KH	97 05 25.7	16 10.32	−18 26.5	17.1	−0.93	+ 3.1	1.0/25.3	30087

1991 SX_1	97 05 25.8	16 11.14	−24 28.3	16.5	−1.11	+ 2.9	1.5/26.4	26580
(6871)	97 05 26.0	16 11.78	−15 16.7	17.4	−1.06	+ 3.9	2.5/25.1	26734
(6923)	97 05 26.0	16 11.97	−09 08.2	18.2	−0.79	+ 4.2	3.9/23.8	26895
1991 AN_2	97 05 26.1	16 12.26	+09 11.0	16.0	−0.89	+ 1.9	12.1/20.0	30091
1991 RR_4	97 05 26.2	16 12.36	−27 13.3	17.7	−1.15	+ 2.6	2.4/27.1	26901
1991 DU	97 05 26.2	16 12.38	−23 02.2	17.2	−0.90	+ 1.7	0.6/26.5	29658
(6929)	97 05 26.2	16 12.40	−23 35.5	17.2	−0.97	− 0.2	0.8/26.5	26896
1996 EW_1	97 05 26.3	16 12.99	−23 31.5	17.2	−0.87	+ 2.2	0.8/26.7	27731
1990 WQ_2	97 05 26.5	16 13.71	−16 20.4	17.8	−0.89	+ 3.8	1.5/25.7	27934
(7051)	97 05 26.5	16 13.98	−21 49.6	16.3	−0.83	+ 1.1	0.2/26.7	27436
1986 AE	97 05 26.5	16 14.05	−49 37.3	18.9	−1.26	+ 4.7	7.6/31.8	25078
(7324)	97 05 26.6	16 14.37	−36 47.1	18.8	−1.17	+ 2.5	5.2/29.1	28568
1994 PL	97 05 26.7	16 14.54	−02 32.0	15.9	−1.01	+17.8	8.3/20.9	30092
1993 HK	97 05 26.7	16 14.76	−15 34.3	16.7	−1.00	+ 1.7	2.4/26.0	26581
1992 OB	97 05 26.8	16 14.90	−30 12.4	17.3	−1.09	− 5.4	3.5/27.3	22407
1970 OB	97 05 26.8	16 15.10	−18 03.8	15.3	−1.04	− 1.4	1.7/26.5	30089
1981 RQ_2	97 05 26.9	16 15.26	−16 49.2	15.7	−0.93	+ 7.4	1.8/26.0	24557
1992 CH	97 05 27.0	16 15.99	−39 21.1	17.0	−1.12	+ 3.9	6.3/30.3	26926
2148 P-L	97 05 27.1	16 16.10	−27 59.7	18.1	−0.90	+ 1.1	2.4/28.0	27116
(7443)	97 05 27.1	16 16.25	−23 22.3	16.2	−0.89	+ 2.0	0.7/27.5	28836
1975 UE	97 05 27.1	16 16.48	−17 31.8	15.9	−1.01	+ 3.3	1.7/26.6	29939
1988 XX_2	97 05 27.2	16 16.73	−20 49.6	17.8	−1.09	+ 1.9	0.2/27.2	26189
1996 AL	97 05 27.3	16 17.16	−02 23.9	17.3	−0.87	− 1.4	6.4/25.4	26575
1991 FN_2	97 05 27.4	16 17.29	−15 37.2	17.3	−0.83	+ 2.1	1.8/26.6	27120
1982 UC_{11}	97 05 27.6	16 18.39	−21 09.5	18.0	−1.00	+ 3.5	0.1/27.6	29940
1993 VU_7	97 05 27.7	16 18.45	+06 04.4	19.5	−0.79	+ 0.3	7.3/23.4	23342
1996 GG_2	97 05 27.7	16 18.65	−22 33.7	17.7	−1.01	+ 2.7	0.4/27.9	30094
1981 EB_{23}	97 05 27.7	16 18.65	−24 30.8	16.9	−1.09	+ 1.5	1.3/28.1	27118
1002 T-2	97 05 27.8	16 18.95	−23 42.1	18.4	−1.09	+ 2.2	0.9/28.1	24236
(6986)	97 05 27.9	16 19.31	−17 56.0	17.9	−0.85	+ 2.2	1.1/27.4	27098
1988 CL_2	97 05 27.9	16 19.40	−13 34.5	17.4	−1.01	+ 1.6	3.0/26.9	25339
3254 T-1	97 05 27.9	16 19.65	−07 57.5	19.1	−0.88	+ 3.6	4.6/25.8	26416
1992 HH_1	97 05 28.0	16 19.69	−18 20.7	17.5	−0.88	+ 3.1	1.0/27.5	24762
1996 DJ_1	97 05 28.0	16 19.97	−22 20.6	17.6	−0.88	+ 2.3	0.3/28.2	29666
1991 FH_2	97 05 28.0	16 20.02	−22 06.2	17.4	−0.87	+ 2.2	0.2/28.2	30077
(6737)	97 05 28.0	16 20.11	−21 46.8	16.1	−1.08	+ 2.2	0.1/28.1	26161
1994 VE_1	97 05 28.1	16 20.32	−17 35.6	16.4	−0.97	+ 2.7	1.4/27.6	29622
5482 T-2	97 05 28.1	16 20.33	−34 04.8	16.7	−1.16	+ 3.2	6.0/29.9	15259
1994 PJ_2	97 05 28.3	16 20.89	−20 07.3	18.1	−1.04	+ 2.5	0.5/28.1	27122
1987 SS_{17}	97 05 28.4	16 21.62	−31 27.0	16.7	−0.93	+ 0.9	3.3/29.7	27324
1994 YC_2	97 05 28.5	16 21.85	−28 31.4	17.2	−0.99	+ 4.9	2.3/29.7	28855
1993 FP_{73}	97 05 28.5	16 21.91	−19 29.6	17.7	−1.07	+ 3.9	0.9/28.2	25428
1990 QB_6	97 05 28.6	16 22.14	−44 06.0	16.0	−1.34	− 2.6	10.7/30.0	22229
2268 T-3	97 05 28.6	16 22.46	−16 05.6	18.2	−0.80	+ 4.1	1.6/27.7	25085
1981 ER_4	97 05 28.7	16 22.68	−13 07.1	19.1	−0.81	+ 3.9	2.6/27.3	26915
1988 VP_3	97 05 28.7	16 22.86	−27 19.4	18.1	−1.19	+ 0.4	2.3/29.4	21972
5104 T-2	97 05 28.8	16 23.05	−22 40.7	18.7	−0.86	+ 4.3	0.4/29.0	22701
1980 FS_3	97 05 28.8	16 23.21	−35 00.3	17.9	−0.97	+ 1.0	4.3/30.6	29653
1981 DH_3	97 05 28.8	16 23.23	−16 08.3	16.9	−0.95	+ 8.1	2.4/27.8	26914
1993 QD_3	97 05 28.8	16 23.24	−06 57.0	17.7	−0.78	+ 2.1	4.5/26.7	30092
1988 XJ_1	97 05 28.8	16 23.28	−19 15.9	17.0	−0.88	− 1.3	0.7/28.6	29134
1992 FS	97 05 28.9	16 23.52	−26 53.9	15.8	−1.00	− 0.5	2.2/29.5	30091
1996 AC	97 05 28.9	16 23.56	−01 56.3	17.6	−0.82	− 1.1	6.3/27.0	30093
1993 OU_7	97 05 28.9	16 23.59	−18 22.9	17.1	−0.92	+ 2.3	1.2/28.5	27326
1990 SL	97 05 28.9	16 23.66	−11 06.8	15.0	−1.48	−18.2	5.6/29.8	30091
1992 AM	97 05 29.1	16 24.12	+00 02.1	18.8	−1.08	− 2.4	7.3/27.1	30079
1981 UO_{11}	97 05 29.1	16 24.20	−16 38.0	17.3	−1.07	+ 1.5	1.9/28.5	26923
(7361)	97 05 29.1	16 24.42	−25 51.7	16.6	−0.99	+ 1.6	1.6/29.7	28578
1995 YM_2	97 05 29.2	16 24.60	−21 14.4	18.2	−1.07	+ 0.9	0.1/29.2	30093
1988 RN_{10}	97 05 29.2	16 24.61	−00 40.0	19.4	−0.52	+ 1.1	4.1/25.9	30090
(7714)	97 05 29.2	16 24.83	−21 19.7	17.1	−1.09	+ 1.5	0.1/29.2	30072
1996 AK_{10}	97 05 29.2	16 24.89	−21 43.5	18.5	−1.07	+ 3.2	0.0/29.3	26750
1170 T-2	97 05 29.3	16 25.04	−06 32.0	19.3	−0.88	+ 3.6	5.0/26.9	19329
1987 ST_{11}	97 05 29.3	16 25.05	−25 22.0	16.8	−1.11	+ 0.4	1.4/29.7	29941
1990 UG_3	97 05 29.3	16 25.13	−23 15.2	18.1	−0.97	+ 0.9	0.5/29.5	29658
1976 SX_5	97 05 29.4	16 25.46	−21 47.1	17.7	−0.86	+ 1.4	0.0/29.4	27118
1989 YA_5	97 05 29.5	16 26.20	−45 09.0	16.9	−1.07	+ 5.4	7.7/03.3	27728
1996 BM_{17}	97 05 29.6	16 26.63	−24 59.1	18.2	−1.04	+ 0.8	1.2/30.1	27450
1988 RS_{12}	97 05 29.7	16 26.80	−20 54.7	20.5	−0.52	+ 1.5	0.1/29.6	22431
1992 HZ_3	97 05 29.8	16 27.26	−25 27.0	16.7	−0.95	+ 1.3	1.4/30.3	27326
1994 TB_{15}	97 05 29.8	16 27.42	−28 55.7	17.6	−1.05	+ 2.3	2.4/30.8	29945
1981 EB_{36}	97 05 29.9	16 27.39	−24 51.2	19.5	−1.06	+ 2.0	1.2/30.3	21967
4012 T-3	97 05 29.9	16 27.70	−29 31.7	17.6	−0.96	− 1.0	2.6/30.7	29315
1996 CK_1	97 05 30.0	16 28.08	−27 02.6	18.3	−0.98	+ 1.1	1.7/30.7	27123
1981 RC_5	97 05 30.2	16 28.64	+01 34.1	15.7	−0.87	+ 4.7	9.6/25.6	30090
1996 CS_8	97 05 30.2	16 28.70	−13 21.2	16.4	−0.81	+ 0.8	3.0/29.2	30093
1990 QE_7	97 05 30.2	16 28.87	−18 30.7	17.6	−0.97	+ 1.9	1.2/29.8	29657
1993 PW_7	97 05 30.4	16 29.70	−26 30.3	16.6	−0.96	+ 2.0	1.9/31.1	29662
6130 P-L	97 05 30.4	16 29.90	−16 02.5	17.7	−0.98	+ 3.1	2.3/29.7	30095
4298 T-1	97 05 30.4	16 29.91	−15 55.1	17.0	−0.97	+ 1.5	2.9/29.8	30095
1982 SM_7	97 05 30.5	16 29.98	−24 20.4	16.6	−0.87	+ 1.3	0.8/30.8	27931
1996 BA	97 05 30.5	16 30.33	−32 35.4	17.3	−1.19	+ 2.9	5.0/31.9	26928
(6807)	97 05 30.6	16 30.34	−28 30.5	17.7	−1.15	+ 1.7	2.6/31.4	26393
1981 ED_{35}	97 05 30.6	16 30.35	−24 08.0	19.4	−1.04	+ 2.0	0.8/30.9	26578
(6997)	97 05 30.6	16 30.49	−02 19.5	17.1	−0.52	+ 2.7	4.1/27.3	27101
(6893)	97 05 30.6	16 30.56	−30 30.8	16.6	−1.11	+ 3.0	3.3/31.8	28818
4317 T-3	97 05 30.8	16 31.11	−10 08.8	19.4	−0.52	+ 1.4	2.3/29.1	23351
2566 P-L	97 05 30.8	16 31.19	−19 17.0	19.3	−1.00	+ 2.5	0.9/30.5	14626
3149 T-3	97 05 30.9	16 31.56	−18 49.7	18.8	−1.06	+ 2.4	1.2/30.5	23786
1991 SN_1	97 05 31.0	16 32.02	−14 27.9	17.2	−1.07	+ 4.6	3.2/29.9	29135
(6899)	97 05 31.0	16 32.14	−22 36.8	17.2	−0.88	+ 2.1	0.2/31.1	26889
1975 LF_1	97 05 31.1	16 32.72	−43 48.7	16.7	−1.16	− 2.6	7.2/01.8	23120
(6804)	97 05 31.2	16 33.16	−21 38.8	16.2	−1.09	+ 3.8	0.1/31.3	26392
1988 VK	97 05 31.2	16 33.18	−15 14.1	16.9	−1.12	+ 0.6	2.8/30.6	26419
1988 VT_1	97 05 31.3	16 33.10	−05 56.6	18.6	−0.74	+ 2.2	4.1/29.0	28884
1988 SJ_3	97 05 31.3	16 33.18	−12 41.1	19.7	−0.55	− 0.7	1.7/30.3	21972
1993 FD_{40}	97 05 31.4	16 33.55	−10 03.3	18.6	−0.95	+ 3.2	5.3/29.8	24898
1987 SQ	97 05 31.4	16 33.83	−27 01.5	17.5	−0.85	+ 1.8	1.4/01.1	25079
1989 GC_1	97 05 31.5	16 34.11	−25 30.7	17.1	−1.04	+ 3.0	1.5/01.0	29134
6297 P-L	97 05 31.5	16 34.33	−44 50.4	19.9	−1.26	− 0.3	8.4/02.9	16035
1991 EM_1	97 05 31.5	16 34.34	−05 26.6	17.0	−0.80	+ 2.2	5.3/29.2	29613
1990 SZ	97 05 31.6	16 34.34	−38 02.6	17.8	−1.15	+ 1.4	5.4/02.5	26925

(6769)	97 05 31.6	16 34.48	−23 12.9	16.5	−1.07	+ 0.7	0.5/31.8	26384
1987 TA	97 05 31.8	16 35.60	−30 06.0	16.8	−1.20	+ 1.7	3.5/01.7	30090
1989 GG_4	97 05 31.9	16 35.89	−15 45.9	16.5	−0.97	+ 4.1	2.6/31.1	27933
1988 RY_{11}	97 05 31.9	16 35.94	+07 55.5	20.3	−0.49	+ 1.1	5.2/27.3	15892
1994 VD_2	97 06 01.1	16 36.57	−24 39.7	18.0	−0.96	− 0.1	0.8/01.4	27568
1981 ED_{24}	97 06 01.2	16 37.10	−07 56.4	18.3	−0.81	+ 2.0	4.7/30.4	28882
(6827)	97 06 01.5	16 38.33	−41 08.0	16.9	−1.18	+ 0.7	6.3/03.6	26553
(6877)	97 06 01.7	16 38.91	−19 22.6	16.0	−1.04	+ 5.5	1.2/01.3	26735
1993 PS_5	97 06 01.8	16 39.65	−04 54.2	20.2	−0.83	+ 2.2	5.3/30.5	23981
1989 TS_2	97 06 01.9	16 39.77	−08 13.6	17.9	−0.52	+ 0.8	2.7/31.1	28884
1990 QY_2	97 06 01.9	16 39.79	−25 42.7	17.0	−1.05	+ 1.6	1.3/02.3	26900
1996 GE_{19}	97 06 01.9	16 39.95	+01 59.2	16.9	−0.53	+ 3.8	4.8/28.7	30084
1993 FQ	97 06 01.9	16 39.99	−14 53.4	16.5	−0.97	+ 5.6	3.3/31.8	30092
(6884)	97 06 02.0	16 40.25	−19 34.9	17.3	−1.08	+ 1.6	1.0/01.8	26737
1995 WS_7	97 06 02.0	16 40.28	−21 29.4	16.6	−1.10	+ 1.4	0.3/02.0	29627
(7709)	97 06 02.0	16 40.39	−14 25.5	16.5	−1.08	+ 1.0	3.7/01.2	30071
3163 T-1	97 06 02.2	16 40.93	−25 38.4	19.5	−0.56	+ 0.8	0.6/02.6	19879
4099 P-L	97 06 02.2	16 40.99	−16 37.1	18.3	−1.05	+ 3.6	2.2/01.5	26929
4321 T-1	97 06 02.2	16 41.07	−23 03.4	17.5	−1.00	+ 1.0	0.3/02.3	25652
1992 EK_{12}	97 06 02.3	16 41.45	−03 33.3	20.0	−0.91	+ 1.7	6.5/31.0	27713
1988 SL_3	97 06 02.4	16 41.85	+03 33.7	18.1	−0.53	− 0.6	4.9/30.5	30090
1993 GA	97 06 02.6	16 42.86	−32 54.7	17.8	−1.13	− 0.9	5.1/03.5	24231
1993 SG_5	97 06 02.7	16 43.13	−19 47.0	18.2	−0.81	+ 1.3	0.7/02.5	28888
(7715)	97 06 02.7	16 43.21	+02 31.3	17.2	−0.90	+ 0.4	9.5/30.8	30073
1988 TO_1	97 06 02.8	16 43.51	−20 27.1	18.7	−0.82	+ 1.2	0.5/02.6	29656
1991 VO	97 06 02.8	16 43.73	−14 56.5	16.1	−1.00	+ 3.8	3.0/01.9	28316
1996 BH_2	97 06 02.9	16 43.78	−34 44.6	16.2	−1.08	+ 2.7	4.6/04.4	27111
4121 P-L	97 06 02.9	16 44.05	−12 19.2	17.9	−0.79	+ 2.8	2.9/01.6	28620
1996 AH_9	97 06 03.0	16 44.39	−21 14.6	18.2	−0.92	+ 2.3	0.4/02.9	26750
1988 RM_{11}	97 06 03.0	16 44.41	−18 23.7	18.5	−0.54	+ 0.9	0.8/02.6	25079
1992 CS_2	97 06 03.1	16 44.80	−23 32.7	17.0	−0.98	+ 4.1	0.5/03.3	27713
(7613)	97 06 03.2	16 45.05	−19 18.2	17.5	−0.82	+ 1.3	1.0/02.9	29604
1993 FT_{31}	97 06 03.2	16 45.20	−12 36.3	16.3	−1.09	+ 1.9	4.2/02.2	27121
1989 CY_2	97 06 03.3	16 45.46	−17 51.6	18.4	−1.04	+ 3.5	1.7/02.8	21972
1994 PL_{23}	97 06 03.3	16 45.46	−23 28.5	18.2	−1.01	+ 1.5	0.4/03.4	29921
1990 EQ_2	97 06 03.3	16 45.82	−22 32.9	17.0	−1.13	+ 3.7	0.1/03.4	26579
1988 SK_2	97 06 03.4	16 45.92	−20 16.7	18.3	−0.56	+ 1.0	0.4/03.2	28613
(7342)	97 06 03.4	16 46.07	−00 24.0	16.6	−0.86	+ 1.1	7.9/01.1	28573
1990 WN_2	97 06 03.4	16 46.13	−19 48.5	17.0	−1.01	− 2.2	0.9/03.3	27325
1991 VE_5	97 06 03.4	16 46.28	−17 46.0	16.4	−1.11	+ 0.2	2.3/03.1	30079
1993 GK_1	97 06 03.5	16 46.24	−25 43.5	17.0	−1.08	+ 2.3	1.5/04.0	26759
1993 FZ_{40}	97 06 03.5	16 46.41	−25 49.5	16.4	−1.16	+ 0.1	1.5/03.8	27915
1987 BZ_1	97 06 03.5	16 46.56	−02 28.8	17.9	−0.88	+ 0.2	6.6/01.6	30090
(7679)	97 06 03.5	16 46.71	−01 56.8	17.5	−0.89	+ 1.9	7.0/01.3	29906
1990 MR	97 06 03.7	16 47.36	−21 08.3	15.5	−0.84	+ 8.6	0.7/03.5	30091
1991 RV_{16}	97 06 03.8	16 47.54	−32 07.3	18.1	−1.24	− 0.2	4.0/04.6	29659
1992 BU_4	97 06 03.8	16 47.58	−12 05.2	20.0	−1.04	+ 2.6	3.9/02.6	30091
1995 YS_{25}	97 06 04.0	16 48.32	−26 22.8	18.8	−1.13	− 0.6	1.7/04.3	27110
1988 CN_4	97 06 04.1	16 49.16	−17 41.6	17.8	−0.96	+ 3.0	1.7/03.6	27324
1991 AB	97 06 04.2	16 49.27	−07 09.6	16.9	−0.90	− 0.1	5.0/02.8	30091
1990 RR_2	97 06 04.2	16 49.39	−12 53.8	16.5	−0.97	+ 3.3	3.7/03.1	22600
1989 TH_1	97 06 04.2	16 49.54	−34 38.4	17.0	−1.08	+ 1.2	3.9/05.4	28613
3378 T-3	97 06 04.4	16 50.40	−21 05.3	17.7	−1.09	+ 1.6	0.6/04.4	28320
1991 RE_{11}	97 06 04.5	16 50.55	−27 24.1	17.9	−1.14	+ 3.0	1.9/05.1	25538
1989 TD_{16}	97 06 04.5	16 50.76	−27 13.4	16.8	−0.99	+ 1.4	1.7/05.0	24738
1981 EU_{14}	97 06 04.6	16 50.90	−32 30.9	18.4	−1.06	+ 2.1	4.7/05.7	26917
1978 VZ_2	97 06 04.8	16 51.66	−22 49.4	18.0	−1.00	+ 1.1	0.1/04.8	26913
2541 P-L	97 06 04.8	16 51.78	−23 47.1	17.6	−1.09	+ 1.3	0.5/05.0	21977
1991 FZ_2	97 06 04.8	16 51.86	−13 14.2	17.3	−0.81	+ 1.8	3.1/03.9	25330
2168 T-2	97 06 04.8	16 51.91	−20 30.4	18.2	−0.87	+ 1.7	0.6/04.7	22432
1985 CY_1	97 06 04.8	16 52.02	−04 38.1	19.3	−0.80	+ 0.8	5.4/03.3	26924
1989 GH_8	97 06 04.9	16 52.36	−20 42.2	17.8	−1.05	+ 0.4	0.7/04.8	29657
1978 GA	97 06 04.9	16 52.39	−09 38.9	17.6	−0.99	+ 1.2	4.9/03.8	26913
1991 UA	97 06 05.0	16 52.66	−25 35.9	18.5	−0.70	+ 1.0	0.7/05.4	25215
1994 UQ_{11}	97 06 05.1	16 52.95	−28 38.1	17.1	−0.99	+ 0.6	2.1/05.7	27456
1981 DM_2	97 06 05.2	16 53.39	−36 13.6	18.6	−1.00	+ 2.2	4.3/06.7	26914
6608 P-L	97 06 05.2	16 53.59	−30 18.0	20.7	−1.03	+ 0.8	2.3/05.9	28620
1995 WD_2	97 06 05.2	16 53.70	−20 32.1	17.5	−1.07	+ 2.5	0.8/05.1	26760
1996 BR_3	97 06 05.3	16 53.89	−29 37.9	16.1	−1.20	+ 0.1	3.2/05.8	26928
1979 DF	97 06 05.4	16 54.41	−38 07.6	16.2	−1.22	− 2.6	5.9/06.3	18105
6670 P-L	97 06 05.5	16 54.58	−28 14.8	18.7	−1.03	+ 1.0	2.0/06.0	26929
1988 RH_{13}	97 06 05.5	16 54.60	−32 45.9	17.5	−0.63	− 0.6	1.9/06.4	27324
1995 BW_2	97 06 05.5	16 54.66	−32 18.1	18.4	−0.89	+ 1.1	2.6/06.5	28617
1993 WA	97 06 05.7	16 55.61	+00 01.4	18.3	−0.76	+ 4.7	6.8/02.3	30092
1996 DV	97 06 05.8	16 55.93	−05 10.2	18.0	−0.77	+ 0.6	5.7/04.2	30083
1990 SC_3	97 06 05.8	16 55.96	−15 50.9	16.7	−0.99	− 0.1	3.2/05.3	27912
(7008)	97 06 05.8	16 56.13	−19 54.8	18.1	−0.92	+ 1.5	0.8/05.6	27292
1991 YC	97 06 05.9	16 56.23	−08 47.7	17.3	−1.00	− 2.9	5.1/05.4	30091
1987 QN	97 06 05.9	16 56.36	+01 31.9	17.8	−0.50	+ 0.2	4.4/03.4	30090
1996 DO_1	97 06 06.0	16 56.74	−32 46.3	15.5	−0.94	+ 4.6	3.8/07.4	27315
1988 BY_3	97 06 06.0	16 56.93	−11 33.6	17.8	−0.94	+ 1.4	4.0/05.1	29941
1977 QY_3	97 06 06.1	16 57.13	−17 46.0	14.5	−1.04	− 3.3	2.6/06.0	30089
1990 RW_3	97 06 06.1	16 57.27	−24 42.4	15.3	−1.08	+ 0.6	0.9/06.3	26925
1995 BC	97 06 06.2	16 57.41	−19 39.9	17.7	−0.87	+ 0.7	1.0/06.0	29664
1975 SM_1	97 06 06.2	16 57.55	−17 48.1	19.5	−1.04	+ 1.6	1.9/05.8	27552
1990 TJ	97 06 06.3	16 58.02	−25 19.4	16.9	−1.04	− 0.2	1.0/06.5	27728
(6830)	97 06 06.3	16 58.25	−22 01.8	16.0	−0.86	− 0.5	0.2/06.4	26553
1994 PX_{22}	97 06 06.4	16 58.27	−17 53.0	19.4	−0.93	+ 0.9	1.5/06.0	27448
1994 WS_1	97 06 06.4	16 58.40	−28 07.4	17.9	−0.88	+ 2.8	1.6/07.1	24574
1984 WL	97 06 06.4	16 58.53	−21 47.7	18.9	−1.11	+ 8.0	0.3/06.3	27305
4369 T-3	97 06 06.5	16 58.70	−11 54.3	19.6	−0.52	+ 0.8	2.0/05.4	25341
6511 P-L	97 06 06.5	16 59.08	−23 12.1	19.9	−1.09	+ 1.4	0.2/06.6	27116
1993 VL_1	97 06 06.6	16 59.09	−16 26.8	18.6	−0.95	− 3.5	1.9/06.4	23126
(6912)	97 06 06.6	16 59.12	−19 42.2	17.0	−0.85	+ 1.4	1.0/06.4	26893
1996 AS	97 06 06.6	16 59.46	−15 10.3	17.1	−1.01	+ 0.4	3.1/06.1	29925
1978 RL_7	97 06 06.7	16 59.80	−21 45.4	17.5	−0.89	+ 1.5	0.3/06.7	28882
1990 RE_2	97 06 06.8	17 00.25	−17 47.5	17.6	−1.01	+ 2.2	1.8/06.4	26925
1982 QO	97 06 06.9	17 00.52	−08 01.6	17.7	−0.79	+ 1.1	4.5/05.6	29940
1981 EJ_{36}	97 06 07.0	17 01.04	−25 59.8	19.3	−1.10	+ 1.2	1.3/07.3	27102
1988 TR_2	97 06 07.0	17 01.05	−39 26.8	18.6	−1.00	− 0.6	4.4/08.2	29941
1993 FU_{13}	97 06 07.1	17 01.09	−22 58.2	16.6	−1.13	0.0	0.1/07.1	29617
(6817)	97 06 07.1	17 01.12	−22 06.2	17.2	−1.08	+ 2.5	0.3/07.1	26550

(6984)	97 06 07.1	17 01.16	−06 23.3	17.3	−0.61	+ 2.2	3.5/05.3	27098
1991 GU_4	97 06 07.1	17 01.25	−34 34.3	18.0	−0.97	0.0	3.8/08.0	27934
1993 XD_1	97 06 07.2	17 01.46	−21 08.4	17.9	−0.82	+ 1.3	0.5/07.1	27456
2023 P-L	97 06 07.2	17 01.50	−23 39.0	17.1	−0.88	+ 1.3	0.3/07.3	29141
4336 T-3	97 06 07.2	17 01.79	−08 37.6	17.1	−0.99	+ 1.0	6.4/06.1	24579
1104 T-1	97 06 07.2	17 01.85	−41 32.5	17.7	−1.30	+ 0.7	7.1/08.7	29142
1982 XQ_1	97 06 07.3	17 02.04	−20 13.7	16.4	−0.83	+ 1.0	0.9/07.1	29654
(7077)	97 06 07.3	17 02.26	−20 46.6	17.9	−0.79	+ 0.9	0.5/07.2	27546
(6902)	97 06 07.4	17 02.61	−20 32.1	16.3	−0.93	+ 1.9	0.8/07.3	26890
1269 T-2	97 06 07.5	17 02.76	−23 42.9	17.9	−0.89	+ 1.4	0.3/07.6	27124
1068 T-3	97 06 07.5	17 02.90	−52 13.1	17.8	−1.23	− 0.1	8.0/10.1	27928
1988 VM_3	97 06 07.5	17 03.00	−27 06.1	16.3	−1.18	+ 1.0	2.1/07.9	24581
1992 OF_1	97 06 07.5	17 03.08	−11 47.7	16.2	−0.85	− 0.3	3.6/06.8	24107
1991 GH_{11}	97 06 07.6	17 03.20	−19 27.4	18.3	−0.86	+ 0.9	1.1/07.4	29135
1992 QA	97 06 07.6	17 03.28	−49 15.1	16.5	−2.36	−20.7	14.8/03.7	22600
1988 XT_1	97 06 07.6	17 03.38	−37 44.2	17.9	−1.02	− 1.5	4.0/08.3	27306
(6850)	97 06 07.6	17 03.44	−31 40.8	16.3	−0.92	+ 0.6	3.1/08.4	26728
1985 CP_2	97 06 07.6	17 03.45	−24 36.6	17.9	−1.07	+ 1.9	0.7/07.8	24559
1981 ER_{43}	97 06 07.6	17 03.55	−23 21.3	18.0	−0.90	+ 1.4	0.2/07.7	27118
1994 AJ_3	97 06 07.6	17 03.58	−17 01.8	18.9	−0.66	+ 0.9	1.4/07.2	27456
2553 P-L	97 06 07.7	17 03.80	−23 38.4	18.1	−0.83	+ 1.1	0.2/07.8	25084
1979 MZ_6	97 06 07.7	17 03.91	−21 50.5	16.9	−1.08	+ 3.6	0.4/07.7	29939
1994 WP_3	97 06 07.8	17 04.22	−17 26.7	17.2	−1.14	− 2.4	2.3/07.6	30081
1981 EY_{12}	97 06 07.9	17 04.38	−13 21.5	18.4	−0.97	+ 3.0	3.4/07.0	26917
1981 DV_2	97 06 07.9	17 04.71	+06 21.2	20.3	−0.91	+ 3.2	9.0/04.5	27302
1994 QW	97 06 07.9	17 04.75	−09 49.6	16.3	−1.03	− 0.4	5.7/07.1	30092
1994 RL_7	97 06 08.0	17 04.79	−25 27.2	18.0	−0.97	+ 1.5	0.9/08.2	26744
1996 AQ_2	97 06 08.2	17 05.71	−21 38.6	18.5	−1.07	+ 1.1	0.4/08.1	26928
1991 UN_3	97 06 08.2	17 05.87	−21 54.4	16.3	−1.11	− 0.6	0.4/08.2	26925
1992 EP_7	97 06 08.3	17 06.07	+00 02.3	17.1	−0.84	− 2.8	10.8/07.2	28615
2272 T-3	97 06 08.3	17 06.37	−30 25.3	17.9	−1.17	+ 0.9	2.9/08.9	26755
1988 JP	97 06 08.3	17 06.38	−20 48.2	14.6	−1.50	−16.2	1.0/08.6	30090
1985 SM_3	97 06 08.3	17 06.48	−28 08.1	16.7	−1.22	+ 2.5	2.3/08.8	26578
1996 BG	97 06 08.4	17 06.71	−16 57.6	17.3	−0.99	− 2.8	2.1/08.3	30093
(6904)	97 06 08.5	17 07.10	−32 00.4	17.8	−1.11	+ 1.3	3.4/09.2	26891
1981 EK_{17}	97 06 08.5	17 07.22	−14 38.0	16.9	−0.93	+ 3.6	3.8/07.7	26918
1995 DZ_3	97 06 08.5	17 07.22	−46 40.3	17.0	−1.17	+ 2.7	8.6/10.6	25341
1978 VK_3	97 06 08.7	17 07.72	−22 23.1	16.7	−0.97	+ 3.4	0.2/08.7	26737
1987 RG	97 06 08.7	17 07.87	−19 06.4	16.2	−0.86	+ 0.3	1.4/08.5	29133
(6996)	97 06 08.8	17 08.11	−16 55.8	16.5	−0.77	+ 0.8	1.9/08.3	27100
1990 QB_2	97 06 08.8	17 08.11	−18 49.7	16.0	−1.01	+ 1.7	2.0/08.5	29657
1972 TE	97 06 08.8	17 08.42	−18 34.0	17.7	−0.98	+ 2.5	1.6/08.5	27323
1990 SK_8	97 06 08.9	17 08.71	−19 15.6	19.3	−1.05	0.0	1.4/08.7	23859
1993 OH_{12}	97 06 08.9	17 08.89	−22 25.2	17.8	−0.98	+ 2.4	9.3/20.0	25539
(6934)	97 06 08.9	17 08.97	−20 42.5	15.1	−1.02	− 2.1	0.9/08.9	26898
1990 OF_2	97 06 09.0	17 09.00	−32 16.7	16.9	−1.20	+ 0.3	4.3/09.5	27119
1994 VA_2	97 06 09.1	17 09.44	−25 42.2	17.2	−1.11	− 3.2	1.0/09.2	26581
1996 ER_{12}	97 06 09.3	17 10.31	−22 35.3	17.9	−1.12	+ 3.8	0.2/09.3	27115
1993 TD_{28}	97 06 09.3	17 10.57	−17 02.7	17.7	−0.83	+ 1.2	2.0/08.9	24112
(6849)	97 06 09.4	17 10.81	−22 00.4	15.6	−1.01	+ 5.3	0.4/09.3	26728
1993 FT_{26}	97 06 09.5	17 11.45	−20 08.9	17.8	−1.09	+ 2.4	1.1/09.4	28616
1991 SM_2	97 06 09.6	17 11.85	−33 41.6	17.1	−1.23	− 0.3	4.5/10.2	29135
(6875)	97 06 09.9	17 12.82	−20 43.6	16.3	−1.19	− 0.7	1.0/09.8	26735
1993 FU_{17}	97 06 09.9	17 12.95	−29 38.1	17.2	−1.21	− 1.3	2.7/10.2	28887
1988 UT	97 06 10.0	17 13.56	−19 46.2	17.9	−1.13	+ 0.9	1.3/09.9	26924
1972 PA	97 06 10.2	17 13.97	−24 11.1	15.7	−0.90	+ 3.6	0.4/10.3	27301
9525 P-L	97 06 10.2	17 14.11	−25 17.5	17.9	−1.15	− 0.2	0.9/10.4	26754
9578 P-L	97 06 10.3	17 14.76	−31 10.2	17.4	−0.90	+ 0.6	2.4/10.9	26415
1996 BW_4	97 06 10.4	17 15.17	−23 47.6	18.6	−1.14	− 0.2	0.3/10.5	30093
5041 T-3	97 06 10.5	17 15.34	−05 18.0	16.5	−0.80	− 0.3	6.4/09.5	16039
2104 T-2	97 06 10.5	17 15.56	−22 47.8	17.9	−0.90	+ 1.3	0.1/10.6	24915
1981 EQ_{47}	97 06 10.6	17 15.63	−21 06.1	18.5	−1.04	+ 0.8	0.7/10.5	26923
(6765)	97 06 10.6	17 15.96	−17 09.2	17.7	−1.06	+ 0.5	2.3/10.4	26383
1988 RP_{12}	97 06 10.6	17 15.98	−17 43.0	18.7	−0.54	+ 0.5	1.1/10.3	28085
1991 RJ_{22}	97 06 10.6	17 16.04	−16 53.6	15.6	−1.12	− 1.0	3.2/10.4	29659
(6989)	97 06 10.8	17 16.55	−30 29.8	16.0	−0.92	+ 2.7	2.3/11.5	27099
1991 VG_2	97 06 10.8	17 16.82	−19 06.7	17.6	−1.04	+ 0.7	1.4/10.7	26926
1991 XC	97 06 11.0	17 17.21	−53 41.1	18.9	−1.53	+ 0.1	9.4/12.9	27325
1996 DW_1	97 06 11.0	17 17.40	−26 20.7	16.6	−1.14	− 0.6	1.4/11.2	30083
(7027)	97 06 11.0	17 17.66	−23 53.5	17.2	−0.68	− 0.7	0.2/11.1	27297
1989 TR_{11}	97 06 11.1	17 17.95	−43 04.9	17.3	−1.25	− 2.3	8.2/11.3	22081
1985 TY_1	97 06 11.2	17 18.13	−20 31.2	16.4	−0.96	+ 3.9	1.0/11.0	29655
1994 PO_{32}	97 06 11.5	17 19.61	−30 17.4	16.9	−1.12	+ 3.2	3.0/12.2	24902
1001 T-2	97 06 11.5	17 19.71	−19 53.0	18.0	−0.86	+ 0.9	1.0/11.4	28620
6217 P-L	97 06 11.6	17 19.68	−01 03.7	18.8	−0.77	+ 2.8	7.7/09.7	15905
1995 WZ_3	97 06 11.6	17 19.69	−27 46.6	15.0	−1.15	− 3.5	2.3/11.6	30093
1993 FV_{26}	97 06 11.6	17 19.70	−16 34.0	18.0	−1.07	+ 2.5	2.5/11.1	23526
1993 FX_{17}	97 06 11.6	17 20.05	−16 15.4	16.8	−1.07	− 0.7	2.8/11.4	25531
1991 TO_{13}	97 06 11.7	17 20.20	−14 45.8	16.3	−1.02	+ 4.7	3.9/10.8	25649
2040 T-2	97 06 11.7	17 20.44	−12 36.3	18.2	−0.83	+ 1.5	3.6/11.0	26929
1995 YM_3	97 06 11.8	17 20.61	−16 25.2	16.1	−1.10	− 2.3	3.3/11.7	26574
1992 EX_8	97 06 11.8	17 20.63	−00 36.4	16.4	−0.91	− 1.6	8.3/11.2	27713
1994 PF_{22}	97 06 11.8	17 20.84	−34 14.4	16.7	−1.26	+ 1.2	4.9/12.4	28888
2121 P-L	97 06 11.8	17 20.94	−43 57.0	20.1	−1.22	− 0.3	6.7/12.8	22432
1992 HA_4	97 06 11.9	17 20.98	−23 13.3	16.9	−0.94	+ 1.0	0.0/11.9	22594
2205 T-1	97 06 11.9	17 21.13	−35 41.3	16.4	−1.19	− 0.1	5.5/12.5	29948
1981 ET_{27}	97 06 12.0	17 21.45	−19 43.5	18.3	−0.87	+ 0.8	1.2/11.8	27908
1991 AF_2	97 06 12.0	17 21.74	−05 26.0	19.4	−0.88	+ 1.7	5.8/10.8	27308
(6864)	97 06 12.1	17 22.10	−20 40.1	16.9	−1.09	+ 2.0	1.0/12.0	26732
1996 GS	97 06 12.1	17 22.16	−09 37.8	17.6	−0.88	+ 2.1	4.7/11.1	30094
1981 EP_{41}	97 06 12.2	17 22.58	−27 02.2	20.2	−1.08	+ 0.8	1.4/12.5	27102
1993 UP_8	97 06 12.3	17 23.02	−06 21.7	15.8	−0.79	+ 0.9	6.2/11.3	27936
1995 WU	97 06 12.3	17 23.08	−24 33.8	16.8	−1.10	+ 3.0	0.5/12.5	28890
1993 SK_3	97 06 12.4	17 23.07	−25 27.7	18.6	−0.79	+ 0.9	0.6/12.5	30092
1981 EP_9	97 06 12.4	17 23.11	−19 31.1	18.7	−1.02	+ 2.8	1.4/12.1	26916
1990 RJ_5	97 06 12.4	17 23.26	−23 38.0	17.7	−1.01	+ 1.7	0.2/12.5	28297
1989 UL	97 06 12.4	17 23.41	−17 36.3	17.2	−0.89	+ 1.9	1.8/12.1	22599
1981 EH_{28}	97 06 12.4	17 23.46	−26 18.4	18.8	−1.07	+ 0.4	1.2/12.6	26920
(7362)	97 06 12.5	17 23.76	−25 09.6	17.6	−1.06	+ 1.2	0.7/12.7	28578
1988 BL_5	97 06 12.6	17 23.89	−29 55.8	17.8	−1.08	+ 4.3	2.4/13.2	19501
1996 CL	97 06 12.6	17 24.09	−20 36.6	17.1	−1.02	− 0.8	0.9/12.6	30093
6607 P-L	97 06 12.7	17 24.36	−17 27.6	16.8	−0.99	− 0.7	2.6/12.5	22087

1993 FV_7	97 06 12.8	17 24.78	−33 51.3	15.3	−1.19	− 2.9	5.1/12.9	29617
1992 PU_1	97 06 12.8	17 24.95	−16 52.8	17.2	−0.81	+ 0.7	2.3/12.5	27445
2190 P-L	97 06 12.9	17 25.13	−17 51.9	19.7	−0.81	+ 1.3	1.6/12.6	27116
1996 DL_2	97 06 12.9	17 25.38	−21 45.5	16.8	−0.90	− 0.3	0.5/12.9	29666
1996 BP_1	97 06 13.0	17 25.77	−27 23.9	18.2	−1.08	− 0.1	1.5/13.2	26751
1004 T-2	97 06 13.1	17 26.08	−34 27.6	18.9	−1.10	+ 0.4	4.3/13.6	27927
1995 WL_{42}	97 06 13.2	17 26.53	−21 50.5	18.1	−0.91	+ 0.5	0.5/13.2	27110
1982 UE_{12}	97 06 13.4	17 27.15	−37 57.7	17.0	−1.16	+ 2.2	5.8/14.4	26923
1995 DK_2	97 06 13.4	17 27.29	−23 45.9	18.1	−0.86	− 1.0	0.2/13.4	29946
1995 VW_1	97 06 13.4	17 27.58	−25 41.9	17.4	−1.10	+ 3.6	0.9/13.7	27110
1996 FU_{13}	97 06 13.5	17 27.62	−31 07.5	16.7	−0.82	− 1.9	2.2/13.6	28319
1987 QS_5	97 06 13.5	17 27.64	−37 59.2	17.5	−1.00	+ 1.3	4.8/14.3	29911
1989 GO_4	97 06 13.5	17 27.67	−25 26.6	16.8	−1.07	+ 1.4	0.9/13.6	20016
1991 RB_3	97 06 13.5	17 27.90	−22 35.6	17.3	−1.13	+ 2.1	0.3/13.5	28614
1991 VM	97 06 13.5	17 27.98	−21 22.7	17.0	−1.14	− 1.3	0.7/13.5	28615
1993 FY_{27}	97 06 13.6	17 28.10	−25 20.9	16.2	−1.06	+ 1.9	1.1/13.7	25651
1994 PS_{16}	97 06 13.8	17 29.00	−12 29.5	19.4	−1.07	+ 0.8	4.6/13.3	29945
1991 TJ_2	97 06 13.8	17 29.04	−29 52.1	14.5	−1.09	− 5.3	3.8/13.6	27935
1981 DR	97 06 13.8	17 29.05	−34 14.4	18.8	−0.99	+ 2.9	3.6/14.7	26914
1994 UW_1	97 06 13.9	17 29.34	+15 47.6	21.4	−0.86	+ 2.8	10.7/09.9	25084
1987 DK_6	97 06 14.0	17 29.67	−28 26.6	15.4	−0.99	+ 1.9	3.0/14.3	29940
1993 FJ_{16}	97 06 14.0	17 29.68	−24 05.0	15.4	−1.14	− 1.9	0.4/14.0	29662
1985 PL	97 06 14.0	17 29.90	−41 35.6	16.8	−1.25	+ 2.9	7.5/15.1	29133
1986 CB_2	97 06 14.0	17 29.96	−28 42.2	16.0	−1.09	+ 3.5	2.7/14.5	26188
(6896)	97 06 14.0	17 29.98	−31 45.7	16.7	−1.23	+ 0.8	3.6/14.4	26889
1988 CF	97 06 14.2	17 30.61	−31 50.3	17.4	−1.11	+ 0.8	3.2/14.6	19677
1231 T-2	97 06 14.3	17 30.92	−25 59.4	18.1	−0.91	+ 0.5	0.9/14.4	24115
1993 FR_{52}	97 06 14.4	17 31.58	−16 31.6	19.3	−1.07	− 0.2	2.9/14.3	26402
1990 QX_{17}	97 06 14.5	17 31.84	−22 43.6	16.5	−1.10	+ 1.4	0.2/14.5	29658
1995 BQ	97 06 14.5	17 31.94	−22 05.1	18.4	−0.80	+ 0.4	0.3/14.5	28855
1993 QL_7	97 06 14.5	17 31.98	−19 00.1	17.9	−0.88	+ 0.1	1.5/14.4	23784
1994 WQ_1	97 06 14.6	17 32.50	−25 51.1	17.1	−0.93	0.0	0.9/14.8	28889
1996 GO_{13}	97 06 14.7	17 32.89	−17 11.0	21.2	−0.91	+ 0.2	1.8/14.6	27317
1987 SS_9	97 06 14.8	17 33.17	−21 28.5	17.9	−0.82	+ 0.1	0.5/14.8	29655
(6876)	97 06 14.8	17 33.42	−16 47.9	15.9	−1.06	+ 3.7	2.9/14.4	26735
1996 CX_7	97 06 14.9	17 33.39	−14 57.6	16.3	−1.11	− 1.6	4.0/14.8	30093
1992 EJ_{24}	97 06 15.1	17 34.33	−11 04.9	18.4	−1.04	− 1.4	4.8/14.8	27729
1992 DZ	97 06 15.2	17 34.74	−03 36.2	16.3	−0.91	− 2.5	7.4/15.3	28615
4064 T-3	97 06 15.2	17 35.08	−07 23.5	18.7	−0.79	+ 0.5	5.0/14.6	27565
1996 AD_4	97 06 15.3	17 35.23	−15 40.1	15.4	−0.98	+ 4.0	3.8/14.7	30093
(7471)	97 06 15.4	17 35.46	−31 42.3	17.4	−1.11	+ 0.7	3.0/15.7	29081
1978 XW	97 06 15.4	17 35.49	−22 21.5	17.8	−0.85	+ 0.2	0.3/15.4	27118
1993 TH_{19}	97 06 15.4	17 35.88	−22 48.9	17.5	−0.88	+ 0.4	0.2/15.5	27106
1993 FX_{25}	97 06 15.4	17 35.95	−30 57.8	17.5	−1.08	+ 1.5	3.8/15.8	26926
1293 T-1	97 06 15.5	17 36.00	−30 25.6	17.5	−1.23	+ 0.8	3.2/15.8	23533
1080 T-3	97 06 15.5	17 36.36	−41 17.4	15.6	−1.16	+ 2.7	7.6/16.8	27732
5469 T-2	97 06 15.8	17 37.17	−20 44.2	16.9	−1.07	+ 3.7	1.1/15.6	27732
1991 FO_1	97 06 15.8	17 37.55	−25 39.3	17.1	−0.93	+ 0.5	0.8/16.0	29942
1494 T-2	97 06 15.8	17 37.59	−23 48.8	19.1	−1.00	− 0.1	0.2/15.9	23867
4179 T-3	97 06 15.9	17 37.57	−24 13.8	18.3	−0.56	− 0.2	0.2/15.9	23792
1996 FR_1	97 06 15.9	17 37.80	−12 22.7	17.8	−0.83	+ 2.9	4.0/15.2	30084
1992 AP_3	97 06 15.9	17 38.03	−26 24.3	17.8	−1.07	+ 1.1	1.1/16.1	28886
1989 CX	97 06 16.0	17 37.99	−56 57.7	17.7	−1.75	+ 3.9	11.6/19.3	26559
4206 T-1	97 06 16.0	17 38.08	−19 14.8	17.5	−1.05	− 0.4	1.8/16.0	29668
1990 OX_1	97 06 16.0	17 38.15	−22 59.1	16.7	−1.08	− 2.1	0.1/16.0	27325
1985 AE	97 06 16.0	17 38.43	−20 59.7	17.1	−1.05	+ 0.1	0.9/16.0	26924
1181 T-1	97 06 16.1	17 38.44	−28 14.0	16.8	−0.93	+ 1.1	1.7/16.3	28892
1994 VY_2	97 06 16.2	17 39.06	−22 26.2	18.9	−0.93	+ 1.4	0.3/16.2	27108
(7667)	97 06 16.3	17 39.32	−08 10.5	16.6	−0.81	− 0.8	4.7/16.0	29904
1994 PM_{25}	97 06 16.3	17 39.38	−19 39.4	18.3	−1.06	− 0.1	1.4/16.3	27568
1996 BS_1	97 06 16.4	17 39.63	−29 16.1	16.0	−1.10	− 1.1	2.7/16.5	29947
4528 P-L	97 06 16.4	17 39.66	−19 30.2	18.0	−1.05	+ 1.0	1.6/16.3	29668
1994 PU_{32}	97 06 16.5	17 40.12	−16 38.1	17.0	−1.03	+ 2.0	3.1/16.2	25083
1986 GF	97 06 16.7	17 41.25	+11 01.2	17.0	−0.99	+ 4.5	14.1/14.5	26419
1990 OY_3	97 06 16.7	17 41.37	−32 51.7	16.5	−1.14	+ 1.9	4.3/17.2	29657
1993 OB_2	97 06 16.8	17 41.33	−25 02.2	15.3	−1.06	+ 5.0	0.6/16.9	25082
1993 FE_{23}	97 06 16.8	17 41.47	−39 24.4	16.2	−1.31	− 0.9	7.3/16.8	29944
6103 P-L	97 06 17.0	17 42.31	−30 26.9	19.7	−0.89	+ 0.2	1.9/17.2	22966
(6852)	97 06 17.0	17 42.46	−19 44.3	18.0	−1.03	+ 0.2	1.3/17.0	26729
1988 QD_1	97 06 17.2	17 42.98	−13 49.0	14.2	−0.92	+14.8	4.9/15.3	22825
1988 BH_5	97 06 17.2	17 43.00	−23 04.5	16.5	−1.03	+ 5.2	0.1/17.2	22079
(7060)	97 06 17.2	17 43.06	−25 32.6	16.5	−1.05	+ 1.0	0.9/17.3	27438
(7368)	97 06 17.2	17 43.17	−14 58.4	16.6	−1.08	− 2.4	3.8/17.3	28818
4214 T-1	97 06 17.2	17 43.18	−17 04.5	18.8	−0.95	− 0.2	2.3/17.1	27123
1994 TQ_{16}	97 06 17.3	17 43.55	−33 55.4	18.0	−1.18	− 2.6	4.9/17.2	24902
1990 TB_4	97 06 17.3	17 43.80	−23 54.8	17.5	−0.99	+ 0.8	0.2/17.4	17642
1996 DE	97 06 17.4	17 43.86	+00 23.3	15.4	−0.90	− 2.8	9.7/17.5	29947
1994 PA_2	97 06 17.4	17 44.11	−30 21.4	17.4	−1.22	0.0	3.2/17.6	27327
1981 EL_{24}	97 06 17.4	17 44.11	−24 40.5	17.5	−0.91	+ 0.6	0.4/17.5	28611
(7165)	97 06 17.4	17 44.20	−48 22.6	15.9	−1.25	+ 1.2	11.1/18.5	27896
1993 QZ_5	97 06 17.4	17 44.21	−20 12.2	17.4	−0.89	+ 0.3	1.1/17.4	28616
1989 PK	97 06 17.4	17 44.29	−56 56.2	15.8	−1.61	+ 3.2	15.6/18.1	26924
(6841)	97 06 17.5	17 44.31	−24 04.1	16.3	−1.10	+ 2.8	0.3/17.6	26556
1993 FS_{13}	97 06 17.5	17 44.36	−30 05.3	15.1	−1.11	− 3.7	3.4/17.3	24408
1979 WX_3	97 06 17.5	17 44.69	−21 26.5	16.8	−1.05	− 0.1	0.8/17.6	26913
1987 SP_1	97 06 17.5	17 44.69	−33 20.3	16.9	−1.20	+ 0.1	4.7/17.7	25537
1988 DJ_1	97 06 17.6	17 44.61	−15 57.7	17.4	−0.99	− 0.2	2.6/17.5	28613
1990 EF_7	97 06 17.6	17 44.86	−21 05.3	16.2	−0.83	− 0.2	0.8/17.6	27119
(6900)	97 06 17.7	17 45.03	−27 01.6	17.2	−1.18	− 1.0	1.4/17.7	26890
1981 DU_1	97 06 17.8	17 45.45	−14 45.8	18.4	−0.85	+ 2.5	2.6/17.4	25438
1981 SA_7	97 06 17.8	17 45.71	−28 44.2	17.0	−1.04	− 1.4	1.8/17.8	26923
1987 QC_3	97 06 18.0	17 46.68	−29 53.5	17.4	−1.17	+ 2.2	2.7/18.3	24911
1996 AT	97 06 18.3	17 47.57	−18 53.4	15.6	−1.03	− 1.8	2.3/18.3	26748
1982 UM_2	97 06 18.3	17 47.71	−20 01.3	17.6	−0.99	+ 0.1	1.2/18.3	30090
1993 FH_{43}	97 06 18.5	17 48.42	−24 08.9	15.5	−0.94	− 0.2	0.4/18.5	25082
1994 VZ_2	97 06 18.5	17 48.52	−36 07.8	16.7	−1.29	− 2.9	5.4/18.1	24573
1990 EL_7	97 06 18.5	17 48.77	−30 27.2	16.9	−1.22	+ 1.7	3.2/18.8	22431
1989 CS_2	97 06 18.6	17 48.76	−12 05.5	16.5	−0.98	+ 1.7	5.2/18.2	25648
1983 CH	97 06 18.6	17 48.79	−21 29.7	16.3	−1.14	− 2.3	0.8/18.6	27726
1988 RQ_5	97 06 18.6	17 48.90	−18 14.9	16.8	−0.88	+ 0.6	1.8/18.5	28613
3137 T-3	97 06 18.6	17 49.05	−37 14.6	17.7	−1.00	− 1.1	4.3/18.6	28620
2208 P-L	97 06 18.6	17 49.20	−19 02.5	20.5	−0.93	+ 1.0	1.4/18.6	28319

1978 PW_3	97 06 18.9	17 50.09	−11 31.3	16.5	−0.93	0.0	5.5/18.7	28881
(7064)	97 06 18.9	17 50.24	−22 42.4	16.4	−0.85	+ 0.3	7.9/09.0	27439
1994 UW	97 06 19.2	17 51.27	−33 47.7	17.6	−1.18	− 0.9	4.3/19.1	29138
1981 EE_{26}	97 06 19.2	17 51.29	−16 21.1	19.7	−1.00	+ 0.5	2.8/19.1	26919
A913 CF	97 06 19.3	17 51.69	−09 57.7	18.2	−0.82	+ 1.0	4.6/18.9	23120
1988 SA_3	97 06 19.3	17 51.69	−44 56.6	20.1	−0.70	− 0.1	3.9/19.5	15561
(7637)	97 06 19.4	17 52.23	−12 30.7	16.8	−0.97	− 1.3	4.1/19.6	29896
1990 RA_8	97 06 19.4	17 52.51	−27 52.3	18.1	−1.12	− 0.2	1.9/19.5	27103
1976 SS_2	97 06 19.5	17 53.01	−29 27.9	16.1	−1.14	− 1.1	2.9/19.5	29939
1994 PX_{31}	97 06 19.6	17 52.94	−29 20.8	16.4	−1.14	+ 3.1	2.6/19.9	26403
1083 T-2	97 06 19.8	17 54.16	−27 56.9	18.6	−1.02	+ 0.2	1.5/19.9	27457
4355 T-1	97 06 19.9	17 54.40	−17 11.7	16.6	−1.05	− 0.6	2.5/19.9	25652
1992 BQ_2	97 06 19.9	17 54.59	−19 35.7	17.5	−1.00	+ 1.7	1.5/19.9	26563
1979 ML_5	97 06 19.9	17 54.62	−15 29.5	18.9	−0.90	+ 0.1	2.8/19.9	22429
1989 RB	97 06 20.0	17 54.71	−62 18.7	16.5	−1.66	− 4.0	19.0/14.0	22081
1989 YB_6	97 06 20.0	17 54.97	−10 55.2	17.3	−0.84	− 3.7	4.2/20.7	26757
1981 EH_{23}	97 06 20.0	17 55.07	−23 35.9	17.8	−1.05	+ 0.5	0.1/20.1	24239
1981 DF_1	97 06 20.1	17 55.00	−37 11.9	18.4	−1.03	+ 2.6	5.0/20.6	26914
1991 VE_4	97 06 20.1	17 55.30	−15 23.8	16.6	−1.09	− 1.1	3.9/20.2	29299
2175 T-1	97 06 20.2	17 55.67	−13 48.2	18.3	−1.01	0.0	3.8/20.2	24764
1996 EV	97 06 20.3	17 55.91	−04 25.8	18.2	−0.98	− 1.0	7.3/20.4	28890
1990 QK_4	97 06 20.3	17 56.04	−18 59.9	17.5	−1.07	− 0.2	2.0/20.3	28885
1981 EH_3	97 06 20.4	17 56.33	−22 19.5	17.7	−1.06	+ 3.5	0.5/20.4	28882
1031 T-2	97 06 20.4	17 56.50	−11 11.7	18.9	−1.02	+ 0.7	5.4/20.2	24236
1991 RX_{25}	97 06 20.5	17 56.72	−23 10.1	15.9	−1.15	− 3.9	0.1/20.5	26925
1981 TP	97 06 20.6	17 57.18	−24 45.9	17.1	−0.88	− 0.1	0.4/20.6	25536
1993 HR_1	97 06 20.6	17 57.30	−21 18.0	16.4	−0.99	− 2.0	1.0/20.7	23980
1990 KO	97 06 20.7	17 57.57	+06 16.1	15.2	−0.98	+20.4	15.5/12.3	26925
1994 PC_{10}	97 06 20.7	17 57.96	−24 49.3	17.8	−1.04	− 0.5	0.7/20.8	24914
1990 VK_4	97 06 20.8	17 58.02	−17 13.0	19.0	−0.98	− 1.0	2.2/20.9	24739
1993 EQ	97 06 20.8	17 58.06	−35 49.1	16.4	−1.23	− 0.8	5.4/20.8	29102
1993 FO_{31}	97 06 20.8	17 58.12	−28 20.5	18.3	−1.10	− 0.9	2.3/20.8	27915
1994 PM_{28}	97 06 20.9	17 58.73	−30 37.2	18.5	−1.14	− 1.0	3.5/20.9	26905
1980 FH_3	97 06 20.9	17 58.73	−10 51.2	17.7	−0.81	+ 0.1	4.0/20.9	23235
(7179)	97 06 21.0	17 58.92	−21 55.7	17.0	−0.88	+ 0.1	0.5/21.0	27899
4845 P-L	97 06 21.0	17 59.03	−07 58.2	18.4	−0.78	− 0.2	4.6/21.0	23245
1994 YN	97 06 21.0	17 59.20	−19 02.7	17.3	−1.06	− 4.1	1.6/21.3	24751
1992 GR	97 06 21.1	17 59.16	−33 34.0	16.6	−1.10	− 3.6	3.5/20.7	27121
1994 PR_{39}	97 06 21.1	17 59.41	−17 14.1	18.1	−1.11	− 0.5	3.0/21.1	27107
5111 T-3	97 06 21.1	17 59.43	−40 43.0	17.7	−1.22	− 6.1	7.3/19.7	16040
1992 EE_{32}	97 06 21.1	17 59.60	−16 52.9	18.3	−0.96	+ 0.2	2.4/21.2	26758
1966 CM	97 06 21.4	18 00.62	−04 23.9	16.5	−0.89	− 2.5	6.9/22.2	28313
(6888)	97 06 21.4	18 00.80	−21 22.2	16.7	−0.99	+ 1.1	0.7/21.5	26887
1993 QH_3	97 06 21.4	18 00.84	−23 38.5	16.9	−0.92	+ 0.2	0.1/21.5	29137
1994 TU_1	97 06 21.5	18 00.87	−34 51.6	16.9	−1.17	+ 1.6	5.4/21.7	29663
1993 MC	97 06 21.7	18 01.69	−03 14.5	14.6	−0.81	+ 6.4	10.2/20.0	30092
1993 FA_5	97 06 21.7	18 01.77	−13 24.1	17.2	−1.06	− 0.7	4.1/21.8	26926
1993 JF_1	97 06 21.7	18 01.83	−26 40.0	17.6	−1.08	− 0.8	1.2/21.7	29944
1981 RQ	97 06 21.7	18 02.18	−43 15.9	17.0	−1.27	+ 1.5	7.8/21.9	26923
1994 LY_1	97 06 21.9	18 02.63	−14 39.9	18.5	−1.07	− 3.1	3.7/22.3	26744
(6913)	97 06 21.9	18 02.73	−21 46.6	16.1	−1.13	− 2.3	0.7/22.0	26893
1985 RU	97 06 21.9	18 03.01	−46 33.5	16.7	−1.44	+ 4.4	10.7/22.5	22492
1281 T-2	97 06 22.0	18 03.36	−04 57.8	18.4	−0.89	+ 0.7	6.1/22.0	27732
1981 EO_{21}	97 06 22.1	18 03.73	−25 19.5	18.8	−1.10	+ 0.3	0.7/22.2	29132
1981 EJ_{11}	97 06 22.2	18 04.00	−26 23.3	16.9	−1.00	+ 2.3	1.5/22.3	26917
1995 BG_1	97 06 22.3	18 04.18	−24 40.2	17.6	−0.84	− 0.4	0.3/22.3	27327
1986 QR_1	97 06 22.5	18 05.10	−31 22.4	16.4	−1.08	+ 0.2	3.6/22.5	17819
3100 T-1	97 06 22.5	18 05.13	−13 53.2	17.7	−0.93	+ 0.9	3.2/22.5	22087
(7038)	97 06 22.5	18 05.19	−23 59.0	17.1	−0.83	− 0.2	0.2/22.5	29587
1995 CF	97 06 22.6	18 05.46	−20 12.6	17.5	−0.81	− 1.3	0.9/22.7	24906
1993 FZ_{18}	97 06 22.7	18 05.96	−27 41.4	15.1	−1.04	− 4.9	2.2/22.5	28588
1981 EW_{34}	97 06 22.7	18 05.96	−35 04.7	20.1	−1.16	+ 0.3	4.4/22.7	26921
(7048)	97 06 22.9	18 06.85	−26 03.2	17.5	−0.92	− 0.1	0.9/22.9	27435
1981 ER_{40}	97 06 23.0	18 07.53	−24 56.7	19.5	−1.06	+ 0.3	0.6/23.1	22271
(6853)	97 06 23.1	18 07.48	−33 17.8	17.6	−1.22	− 0.2	4.0/23.0	26729
1987 SR_{17}	97 06 23.1	18 07.63	−16 13.3	16.6	−1.07	+ 2.1	3.5/23.0	24760
3261 T-3	97 06 23.1	18 07.76	−24 07.0	17.1	−0.88	− 0.6	0.2/23.1	26913
6077 P-L	97 06 23.2	18 07.93	−27 52.7	18.5	−0.89	+ 0.1	1.4/23.2	22966
5148 T-2	97 06 23.2	18 08.30	−30 55.0	16.1	−1.19	+ 2.7	3.6/23.4	29142
4233 T-2	97 06 23.3	18 08.39	−18 19.4	20.0	−0.98	− 0.9	1.9/23.4	27117
(6987)	97 06 23.4	18 08.74	−22 50.5	17.3	−0.93	+ 0.9	0.2/23.4	27099
1993 FF_{26}	97 06 23.4	18 09.01	−30 23.7	18.0	−1.22	+ 0.3	2.9/23.4	29944
1985 CN	97 06 23.5	18 09.32	−09 34.0	19.2	−0.98	− 1.0	4.7/23.8	25537
(6990)	97 06 23.5	18 09.42	−21 42.6	17.1	−0.82	− 0.7	0.5/23.6	27099
1994 TQ_1	97 06 23.6	18 09.57	−31 56.5	15.7	−1.08	− 4.8	4.3/23.0	24572
7610 P-L	97 06 23.7	18 10.31	−20 13.9	16.7	−1.08	− 2.7	1.5/24.0	29141
1995 AO_4	97 06 23.7	18 10.39	−25 37.0	17.0	−0.97	+ 0.8	0.8/23.8	28617
(6887)	97 06 23.7	18 10.42	−30 00.1	16.4	−1.22	− 2.5	2.9/23.5	26886
(7393)	97 06 23.7	18 10.47	−35 30.4	15.2	−1.26	− 2.7	5.8/23.2	28824
1989 UX_5	97 06 23.8	18 10.66	−24 48.8	17.8	−0.57	− 0.6	0.3/23.8	27454
1991 LW_1	97 06 23.8	18 10.68	−22 40.9	16.1	−0.83	− 1.0	0.3/23.9	27120
1987 UE_1	97 06 23.9	18 10.92	+16 36.1	18.7	−0.98	+ 3.5	15.8/20.6	28613
1991 RA_5	97 06 23.9	18 11.12	−29 35.0	17.9	−1.18	+ 0.2	2.6/23.9	26758
5170 T-3	97 06 23.9	18 11.27	−07 46.8	16.5	−0.92	− 2.8	6.1/24.9	27732
1993 NA_2	97 06 24.0	18 11.30	−15 53.9	17.7	−0.94	− 2.4	2.5/24.3	28616
6647 P-L	97 06 24.0	18 11.46	−28 21.0	16.1	−1.09	− 1.7	2.4/23.9	22087
1993 FM_{14}	97 06 24.2	18 12.17	−31 34.6	16.5	−1.20	− 2.1	3.4/23.9	28616
1978 VW_9	97 06 24.2	18 12.31	−27 34.0	17.2	−1.02	− 1.5	1.9/24.1	27302
1996 BZ	97 06 24.4	18 12.92	−18 26.4	17.8	−1.02	− 2.6	1.9/24.6	27111
6245 P-L	97 06 24.4	18 13.28	−02 05.2	18.0	−0.88	+ 0.5	8.5/24.8	22701
(7655)	97 06 24.4	18 13.36	−22 13.7	18.0	−1.04	− 1.7	0.4/24.5	29900
3024 P-L	97 06 24.4	18 13.36	−29 15.6	16.7	−1.10	+ 4.3	2.3/24.7	28319
1989 GA_3	97 06 24.5	18 13.51	−21 27.4	17.7	−1.05	+ 0.1	0.8/24.6	27933
1978 SA_5	97 06 24.5	18 13.65	−22 04.0	17.9	−1.15	− 0.3	0.5/24.6	27118
1996 BB_2	97 06 24.8	18 14.86	−35 03.7	18.3	−1.19	+ 2.0	4.2/25.0	26928
1996 DV_1	97 06 24.9	18 15.09	−28 15.0	18.7	−0.98	+ 0.8	1.8/24.9	27316
3025 T-2	97 06 25.0	18 15.45	−21 24.5	18.1	−1.11	− 1.4	0.9/25.1	28608
1994 TA_3	97 06 25.0	18 15.82	−33 29.1	17.0	−1.23	− 1.3	4.7/24.7	29138
1986 JD	97 06 25.1	18 15.83	−20 21.8	15.5	−0.97	− 7.9	1.6/25.4	26578
1981 EJ_{24}	97 06 25.1	18 16.21	−35 00.1	18.0	−1.11	− 0.9	5.3/24.8	26919
1994 TF_{15}	97 06 25.2	18 16.20	−27 17.0	14.6	−1.04	+ 1.1	2.2/25.2	26905
1981 EE_1	97 06 25.2	18 16.44	−19 32.7	17.6	−1.02	− 1.2	1.5/25.4	22074

1981 ES_{26}	97 06 25.2	18 16.50	−19 27.2	18.1	−1.00	+ 0.1	1.7/25.3	26920
1985 TU	97 06 25.2	18 16.52	−22 00.9	17.6	−1.00	+ 0.1	0.5/25.3	24759
4526 P-L	97 06 25.2	18 16.60	−27 09.1	16.9	−1.08	− 0.3	1.4/25.2	26761
1976 YL_3	97 06 25.2	18 16.68	−20 00.6	17.8	−0.82	− 0.4	1.0/25.4	27323
4310 T-3	97 06 25.3	18 16.67	−28 31.1	17.1	−1.11	− 3.7	2.5/25.0	20347
1993 QV_4	97 06 25.3	18 16.73	−26 11.2	17.9	−0.93	− 0.5	1.0/25.3	29662
(6933)	97 06 25.4	18 17.06	−24 38.9	16.2	−0.98	+ 0.7	0.5/25.4	26897
(6920)	97 06 25.4	18 17.48	−26 06.5	15.9	−1.09	− 3.2	1.1/25.3	26894
1993 TP_{26}	97 06 25.5	18 17.44	−21 00.7	17.7	−0.84	− 1.2	0.8/25.6	29662
1994 UZ	97 06 25.5	18 17.47	−26 23.9	17.6	−1.13	− 0.3	1.2/25.4	29138
1078 T-3	97 06 25.6	18 18.24	−09 50.4	18.1	−0.94	+ 3.5	5.0/25.4	22702
1981 ED_{15}	97 06 25.7	18 18.36	−24 40.0	17.8	−1.06	+ 0.7	0.5/25.7	25423
1990 VV_1	97 06 25.7	18 18.45	−09 45.1	17.1	−0.98	+ 1.9	5.3/25.6	24761
1993 DB_1	97 06 25.8	18 18.72	−23 21.2	16.0	−1.07	− 0.6	0.0/25.8	29944
4075 P-L	97 06 25.8	18 18.96	−24 17.6	18.7	−1.06	− 0.3	0.4/25.8	22701
1993 JB_1	97 06 25.9	18 19.13	−16 47.2	17.9	−1.03	+ 1.1	2.5/26.0	23992
6605 P-L	97 06 25.9	18 19.43	−18 43.2	18.0	−0.96	− 1.0	1.6/26.1	23986
1990 WO_4	97 06 25.9	18 19.46	−16 59.7	20.1	−0.91	− 0.2	2.0/26.1	27934
1993 BY_4	97 06 26.0	18 19.89	−25 18.4	18.6	−1.17	+ 0.1	0.9/26.0	23980
2164 P-L	97 06 26.1	18 20.03	−24 30.4	16.6	−1.06	+ 0.8	0.5/26.1	22086
1995 BQ_2	97 06 26.1	18 20.25	+03 11.8	19.7	−0.76	+ 2.4	6.9/26.0	25431
1995 YJ_3	97 06 26.1	18 20.26	−18 09.9	18.1	−0.98	− 2.1	1.9/26.4	27560
1984 SL	97 06 26.2	18 20.75	−09 47.8	16.3	−0.94	− 1.4	4.9/26.7	25061
1988 RY_5	97 06 26.4	18 21.29	−20 11.2	16.4	−0.91	− 0.4	1.2/26.5	29912
3020 T-2	97 06 26.4	18 21.53	−46 49.1	17.1	−1.21	− 1.3	9.3/25.0	22972
1995 AF	97 06 26.6	18 22.07	−30 14.5	14.7	−1.07	+ 5.1	3.0/26.8	28889
6556 P-L	97 06 26.9	18 23.51	−07 22.5	18.0	−0.86	− 0.9	6.3/27.5	28892
1981 EF_{47}	97 06 27.0	18 23.91	−28 08.2	19.8	−0.93	− 0.5	1.6/26.9	18421
5134 T-3	97 06 27.0	18 24.07	−16 25.1	18.8	−1.06	− 2.4	2.7/27.4	24915
1993 OX_2	97 06 27.0	18 24.12	−16 03.7	18.9	−0.91	− 1.8	2.8/27.4	22691
1981 WE_9	97 06 27.1	18 24.56	−17 47.8	16.5	−1.08	− 0.5	2.7/27.4	25537
(7487)	97 06 27.2	18 24.56	−20 22.1	16.3	−0.97	− 4.5	1.0/27.5	29087
4817 P-L	97 06 27.2	18 24.78	−11 27.1	19.3	−0.97	− 0.6	4.6/27.7	15904
1994 WG_2	97 06 27.2	18 24.83	−15 26.0	17.0	−0.90	− 1.4	2.7/27.6	28854
1964 VN_1	97 06 27.3	18 25.14	−28 38.4	18.6	−1.12	− 2.9	2.0/27.0	27117
1978 VO_8	97 06 27.4	18 25.63	−22 23.0	17.4	−0.86	− 1.1	0.3/27.5	29909
1996 CZ	97 06 27.5	18 26.04	−15 46.7	19.4	−0.94	− 0.2	2.4/27.8	27328
(6825)	97 06 27.7	18 26.59	−33 33.5	16.2	−1.23	− 0.8	4.8/27.3	26552
1996 BX_1	97 06 27.7	18 26.72	−17 55.2	17.0	−1.05	− 4.4	2.0/28.2	29947
1993 FV_{27}	97 06 27.9	18 27.89	−24 12.5	17.1	−1.12	+ 0.1	0.4/28.0	26580
(6993)	97 06 28.0	18 27.87	−21 27.0	16.5	−0.84	− 1.0	0.6/28.1	29076
(7382)	97 06 28.1	18 28.70	−21 47.2	17.3	−0.85	− 1.0	0.4/28.3	28821
1994 WS_3	97 06 28.2	18 29.11	−16 15.8	18.6	−0.91	− 0.2	2.1/28.5	28889
1975 SE_2	97 06 28.5	18 30.41	−33 04.9	18.4	−1.15	− 2.8	4.1/27.9	22072
1994 YA_1	97 06 28.7	18 30.94	−20 44.1	18.5	−0.90	− 1.7	0.8/28.9	27327
1995 BB	97 06 28.8	18 31.32	−24 03.7	17.0	−0.93	− 0.4	0.3/28.8	28889
1990 QN_7	97 06 28.8	18 31.45	−28 10.7	16.0	−0.97	− 1.8	2.6/28.6	24228
4260 T-1	97 06 28.8	18 31.54	−22 22.0	17.6	−0.89	− 1.5	0.3/28.9	29668
5046 T-3	97 06 28.8	18 31.57	−19 44.8	18.3	−1.07	− 3.1	1.4/29.1	26577
1996 CA_3	97 06 28.9	18 31.64	−24 08.6	16.4	−0.86	− 1.3	0.3/29.0	27123
1979 SO	97 06 28.9	18 31.88	−36 46.3	17.2	−1.10	− 1.3	5.3/28.1	22967
1985 QD_6	97 06 28.9	18 31.92	−19 05.4	17.1	−0.99	− 3.6	2.0/29.0	22968
1978 SB_3	97 06 29.0	18 32.06	−29 04.9	16.3	−1.12	+ 0.2	2.5/28.8	26913
(7537)	97 06 29.1	18 32.71	−24 10.0	17.3	−0.86	− 1.1	0.3/29.1	29295
1992 RQ	97 06 29.2	18 33.17	−21 52.9	17.1	−0.88	− 1.5	0.5/29.4	28615
1992 BZ	97 06 29.2	18 33.30	−25 08.5	17.1	−1.05	− 1.8	0.7/29.2	27567
1987 SR_{12}	97 06 29.3	18 33.47	−14 20.6	15.7	−0.93	− 1.2	4.6/29.8	27727
1990 TO_4	97 06 29.3	18 33.64	−27 11.2	18.5	−1.03	− 3.6	1.4/29.1	21974
1987 QG_6	97 06 29.4	18 33.80	+08 15.1	19.2	−1.05	− 2.8	12.2/30.8	25648
1981 EG_{20}	97 06 29.5	18 34.25	−33 55.2	17.2	−0.99	+ 0.5	4.4/29.1	26918
1990 UR	97 06 29.5	18 34.26	−26 17.0	16.0	−1.10	− 0.5	1.4/29.4	26925
1981 EK_{22}	97 06 29.5	18 34.40	−23 02.8	18.4	−0.90	− 0.5	0.1/29.6	27930
(6955)	97 06 29.5	18 34.47	−24 33.5	15.6	−0.88	− 0.9	0.5/29.5	27092
1996 FJ_5	97 06 29.7	18 35.14	−47 49.6	16.6	−1.32	− 1.6	9.1/27.8	27115
1993 HK_1	97 06 29.7	18 35.30	+14 02.5	14.2	−0.81	+16.1	20.4/19.1	24913
1993 NJ	97 06 29.8	18 35.33	−03 40.4	16.4	−0.88	+ 0.5	8.7/30.7	26759
(7024)	97 06 29.9	18 35.89	−22 59.9	16.3	−0.88	− 0.7	0.1/29.9	27296
1993 DF_2	97 06 30.0	18 36.17	−16 07.9	16.3	−1.03	− 2.7	3.3/30.5	24393
1993 FL_{39}	97 06 30.0	18 36.22	−28 19.8	15.8	−0.93	− 2.1	2.8/29.7	26927
1237 T-2	97 06 30.2	18 37.21	−25 14.0	18.0	−0.91	− 0.7	0.7/30.1	27939
1992 QR	97 06 30.4	18 37.78	+12 23.4	16.5	−1.13	− 8.4	17.1/05.7	20829
4071 T-3	97 06 30.5	18 38.52	−27 57.2	18.3	−1.14	− 2.6	1.9/30.2	29142
1990 WR_2	97 06 30.6	18 38.74	−24 15.5	17.5	−1.02	− 3.3	0.4/30.5	28885
1996 CH_1	97 06 30.6	18 39.05	−20 03.1	16.6	−1.04	− 2.9	1.2/30.9	27328
1993 TT_{19}	97 06 30.6	18 39.08	−25 59.8	18.5	−0.89	− 1.3	0.9/30.5	27715
1996 AN_2	97 06 30.8	18 39.71	−19 36.2	17.8	−1.06	− 3.2	1.4/01.1	27315
1994 VP	97 06 30.9	18 40.11	−36 34.9	17.2	−1.17	− 4.6	7.0/29.4	28617
2369 T-3	97 07 01.0	18 40.72	−22 49.7	18.8	−1.10	+ 0.3	0.1/01.1	24120
1989 OL	97 07 01.1	18 41.17	−42 04.0	16.7	−1.16	− 5.8	8.5/28.7	28884
(6728)	97 07 01.2	18 41.09	−26 39.1	16.7	−1.16	− 1.2	1.6/31.0	26886
1978 VT_8	97 07 01.3	18 41.88	−17 40.7	17.7	−0.85	+ 0.1	1.8/01.7	25077
1981 EY_{10}	97 07 01.5	18 42.54	−18 05.7	17.5	−1.02	− 0.5	2.1/01.8	26916
1981 EF_{25}	97 07 01.5	18 42.59	−23 16.7	19.0	−1.04	− 1.2	0.1/01.5	27118
1982 UU_8	97 07 01.5	18 42.62	−13 25.6	16.0	−0.98	+ 5.0	4.9/01.4	21103
(6897)	97 07 01.5	18 42.82	−20 32.3	18.1	−1.04	− 1.1	0.9/01.8	26889
1985 RB_3	97 07 01.5	18 42.84	−31 48.3	18.5	−1.16	− 1.5	3.4/30.9	10836
1988 XV_2	97 07 01.6	18 43.11	−23 45.1	18.0	−1.18	+ 0.3	0.3/01.6	22493
1994 YJ_1	97 07 01.7	18 43.24	−30 44.9	17.0	−1.00	− 1.8	2.8/01.1	27717
1992 EX_7	97 07 01.8	18 43.69	−30 05.4	20.4	−1.08	0.0	2.5/01.5	25639
2151 T-3	97 07 02.0	18 44.48	−39 48.0	17.3	−1.28	+ 0.2	7.5/01.2	23681
4084 P-L	97 07 02.1	18 45.01	−19 19.1	16.4	−0.88	− 0.1	1.8/02.3	24114
1992 LE	97 07 02.2	18 45.22	−00 07.2	15.8	−0.69	− 7.1	11.1/06.0	20826
1989 TB_{11}	97 07 02.3	18 45.73	−28 31.3	16.4	−1.03	− 0.3	2.1/02.0	28613
1994 PQ_{31}	97 07 02.3	18 45.80	−17 18.2	18.1	−1.06	− 0.8	2.3/02.7	24901
1989 AC_7	97 07 02.4	18 46.10	−21 16.7	17.8	−0.84	− 1.3	0.6/02.5	27306
1994 JD	97 07 02.4	18 46.47	−26 32.8	16.4	−1.45	−16.3	1.7/01.8	30092
1987 YA	97 07 02.8	18 47.69	−19 27.5	17.3	−1.14	− 0.5	1.5/03.0	29655
1994 PR_{20}	97 07 02.9	18 48.14	−18 51.8	17.6	−1.06	− 2.3	1.7/03.2	29945
1989 BW_1	97 07 03.0	18 48.63	−22 56.4	17.9	−1.08	− 2.4	0.0/03.0	29941
1995 BJ_1	97 07 03.0	18 48.79	−23 10.8	17.4	−0.81	− 1.4	0.1/03.0	29946
1989 AF_3	97 07 03.0	18 49.00	−21 07.7	17.3	−1.08	− 3.7	0.7/03.3	29656
1990 QJ_5	97 07 03.1	18 49.02	−27 45.0	17.7	−1.14	− 1.7	2.1/02.7	23859

1995 CE_1	97 07 03.1	18 49.39	−30 19.9	19.0	−0.88	− 0.5	2.1/02.7	25084
1994 VB_3	97 07 03.3	18 49.92	−14 58.1	16.5	−1.02	− 0.7	4.0/03.8	24764
1993 SA_6	97 07 03.3	18 50.11	−20 58.6	17.7	−0.83	− 1.3	0.6/03.5	29137
3226 T-3	97 07 03.4	18 50.26	−38 34.8	18.3	−1.13	− 2.2	5.3/02.0	28620
1990 FR_1	97 07 03.4	18 50.48	−20 16.9	16.8	−0.84	− 5.5	0.8/03.8	29657
1990 WU_5	97 07 03.5	18 50.66	−19 25.8	18.1	−0.95	− 2.4	1.3/03.8	22826
1981 EZ_6	97 07 03.7	18 51.47	−18 59.8	19.8	−1.05	+ 0.4	1.4/03.9	26916
3347 T-2	97 07 03.7	18 51.58	−24 06.7	18.0	−1.09	− 2.8	0.5/03.6	16038
1296 T-2	97 07 03.7	18 51.67	−19 50.2	17.8	−0.97	− 1.8	1.3/04.0	26754
1993 FZ_7	97 07 03.8	18 52.21	−28 25.1	18.1	−1.16	− 2.9	2.4/03.4	27455
(7459)	97 07 04.0	18 52.64	−32 05.8	15.3	−1.01	− 2.2	4.2/03.2	29079
(7467)	97 07 04.1	18 53.26	−41 42.0	16.9	−1.83	−12.1	9.9/30.8	29080
6745 P-L	97 07 04.1	18 53.38	−21 09.2	18.4	−0.81	− 1.4	0.5/04.3	27328
1988 DJ_2	97 07 04.2	18 53.66	−24 31.1	17.4	−1.12	− 1.0	0.7/04.1	25648
(7222)	97 07 04.2	18 53.85	−22 06.4	17.2	−0.84	− 1.7	0.2/04.3	28059
(6870)	97 07 04.3	18 53.93	+11 18.8	16.5	−1.14	−10.7	16.2/11.0	26733
1981 EE_{19}	97 07 04.3	18 54.18	−19 16.9	16.9	−0.94	− 1.0	1.7/04.6	26918
2157 T-3	97 07 04.3	18 54.19	−18 10.1	18.0	−1.08	0.0	1.9/04.6	22432
1991 TL	97 07 04.5	18 54.81	−15 21.4	17.0	−0.98	− 5.0	3.9/05.4	29317
6634 P-L	97 07 04.6	18 55.38	−24 44.3	18.3	−0.84	− 1.8	0.6/04.5	23130
1982 UE_7	97 07 04.6	18 55.40	−21 00.3	17.3	−0.85	− 1.2	0.6/04.8	29654
1985 SX_2	97 07 04.6	18 55.50	−26 41.1	17.1	−1.02	− 0.4	1.4/04.4	22698
1981 QJ_3	97 07 04.9	18 56.37	−20 16.8	17.0	−0.85	− 1.9	0.9/05.1	21101
1994 UD	97 07 04.9	18 56.82	−27 22.3	17.1	−1.15	− 3.9	1.8/04.5	27122
1990 OS_1	97 07 05.0	18 57.09	−41 41.4	16.3	−1.23	+ 0.8	9.3/04.1	28614
1996 BK	97 07 05.1	18 57.19	−33 38.9	18.8	−1.21	+ 1.1	3.9/04.5	27123
1984 SJ_7	97 07 05.1	18 57.31	−27 02.2	16.3	−1.20	+ 2.7	2.0/05.0	29654
1996 ER_2	97 07 05.1	18 57.64	−20 51.6	18.1	−1.03	− 0.4	0.8/05.3	30083
1991 LK_2	97 07 05.2	18 57.67	−27 23.4	17.4	−0.87	− 2.5	1.5/04.7	28614
4247 P-L	97 07 05.3	18 58.17	−21 50.3	17.0	−1.04	− 0.9	0.4/05.4	24241
(7010)	97 07 05.3	18 58.19	−33 23.6	16.9	−1.22	− 0.9	4.5/04.5	28818
1981 EC_{13}	97 07 05.3	18 58.37	−27 30.4	18.8	−0.95	+ 0.7	1.7/05.1	30090
1991 RT_4	97 07 05.4	18 58.49	−23 09.8	18.1	−1.13	− 0.4	0.2/05.4	24565
1295 T-1	97 07 05.4	18 58.50	−14 30.8	18.2	−0.85	− 1.2	2.8/06.1	27328
1981 EN_{21}	97 07 05.4	18 58.66	−19 59.6	17.8	−0.88	− 1.3	1.0/05.7	27930
1990 VQ_5	97 07 05.4	18 58.75	−15 31.2	17.3	−0.93	− 4.6	2.8/06.4	26925
1982 OF	97 07 05.4	18 58.79	−25 18.5	15.5	−1.07	+ 0.8	1.2/05.3	23788
(6882)	97 07 05.6	18 59.27	−23 10.4	14.9	−1.10	+ 6.4	0.2/05.6	26736
1990 QD_2	97 07 05.6	18 59.64	−21 46.9	14.8	−0.93	− 2.8	0.5/05.8	29942
1991 GP_3	97 07 05.7	18 59.96	−18 54.4	16.4	−0.82	− 0.8	1.6/06.1	27912
1991 PF_{10}	97 07 05.8	19 00.50	−19 53.4	16.4	−1.10	− 2.7	1.4/06.2	27728
2648 P-L	97 07 05.9	19 00.70	−25 21.1	19.4	−1.07	− 1.9	1.0/05.7	24409
1996 DF	97 07 05.9	19 00.85	−18 34.8	16.0	−1.02	− 3.9	1.7/06.4	28890
1990 TM_5	97 07 06.2	19 02.07	−15 15.0	16.2	−1.00	+ 2.0	3.6/06.6	28614
1981 QF	97 07 06.5	19 02.93	−28 15.5	17.1	−1.08	− 0.8	2.5/06.0	29132
1981 EB_{11}	97 07 06.5	19 03.42	−21 52.4	17.0	−0.95	+ 0.7	0.4/06.6	22429
3098 T-3	97 07 06.6	19 03.39	−15 24.3	20.0	−0.95	− 1.7	2.7/07.3	27565
1989 AK	97 07 06.7	19 03.77	−24 08.4	18.3	−0.82	− 1.9	0.4/06.5	23789
9538 P-L	97 07 06.7	19 04.06	−20 14.9	16.7	−1.05	− 2.2	1.1/07.0	26583
(1388)	97 07 06.7	19 04.25	−36 05.6	12.7	−0.97	− 4.0	4.9/05.0	30067
1991 VP_1	97 07 06.9	19 05.00	−20 00.8	17.0	−1.08	− 3.6	1.0/07.3	29943
4113 P-L	97 07 07.0	19 05.21	−19 34.9	18.0	−1.02	− 1.5	1.1/07.3	27457
4806 P-L	97 07 07.1	19 05.50	−19 12.3	18.9	−0.95	− 2.0	1.2/07.5	22701
1981 DN	97 07 07.1	19 05.66	−26 52.6	19.0	−1.12	+ 0.8	1.6/06.9	22696
1996 DG_2	97 07 07.1	19 05.75	−21 42.3	16.3	−0.84	− 1.6	0.3/07.3	27731
1981 EF_2	97 07 07.1	19 05.75	−25 41.1	16.2	−1.09	+ 1.5	1.3/07.0	29653
1996 HF_{18}	97 07 07.2	19 05.86	−18 28.0	18.0	−0.80	− 0.9	1.1/07.6	27720
1980 FY_2	97 07 07.2	19 06.19	−23 40.9	17.7	−0.87	− 1.3	0.4/07.2	25061
1990 ST_{15}	97 07 07.2	19 06.31	−27 55.4	15.3	−1.11	+ 1.9	2.5/07.0	28316
1981 VN	97 07 07.3	19 06.55	−44 56.7	17.1	−1.22	− 3.7	7.9/04.3	21564
(7584)	97 07 07.4	19 07.10	−22 15.7	17.4	−0.88	− 2.3	0.1/07.5	29597
1991 UE_5	97 07 07.5	19 07.19	−25 39.2	18.1	−1.13	+ 0.5	1.1/07.3	27120
1978 CK	97 07 07.6	19 07.46	−35 58.4	16.9	−1.03	+ 2.9	4.0/07.0	25536
4052 T-3	97 07 07.7	19 08.10	−33 17.3	17.2	−1.17	− 4.2	4.8/06.4	24758
1991 TV_4	97 07 07.7	19 08.30	−20 11.3	15.2	−1.01	− 4.2	1.2/08.1	29943
1993 FY_{11}	97 07 07.8	19 08.43	−33 35.1	16.2	−0.99	− 2.4	5.9/06.6	24393
1993 FL_{41}	97 07 07.8	19 08.46	−17 18.3	18.1	−1.05	− 3.1	2.3/08.4	26759
1996 AV_1	97 07 07.8	19 08.47	−21 23.8	18.1	−1.02	− 2.7	0.5/08.0	27111
1996 DL	97 07 07.8	19 08.48	−17 03.7	17.8	−1.01	− 3.0	2.1/08.5	26910
2582 P-L	97 07 07.8	19 08.77	−27 45.4	19.9	−1.09	− 2.1	2.0/07.3	24114
1987 QF_6	97 07 08.0	19 09.16	+07 40.2	18.8	−0.98	− 3.2	10.3/11.5	30075
(7006)	97 07 08.0	19 09.16	−16 19.4	18.9	−0.99	− 2.8	2.4/08.7	27292
(7035)	97 07 08.1	19 09.69	−23 21.3	17.4	−0.81	− 1.3	0.2/08.0	27299
1988 UC	97 07 08.2	19 10.12	−26 09.1	16.7	−0.92	− 1.9	1.3/07.8	28613
1992 EC_1	97 07 08.4	19 10.87	+15 33.3	19.7	−0.89	− 2.3	11.9/14.8	20342
1993 PP_5	97 07 08.4	19 11.17	−13 34.3	17.8	−0.86	− 2.6	4.3/09.5	24584
1994 VZ	97 07 08.4	19 11.22	−11 51.9	16.6	−0.98	+ 0.5	5.2/09.0	27456
1994 WW	97 07 08.7	19 12.08	−21 38.1	17.3	−0.99	− 4.1	0.3/08.8	28889
3538 P-L	97 07 08.7	19 12.36	−23 09.4	16.5	−1.14	+ 1.2	11.3/19.0	28891
(6901)	97 07 08.7	19 12.44	−21 18.8	15.6	−1.61	+12.7	0.5/08.7	26890
1991 EY_3	97 07 08.7	19 12.45	−23 29.5	17.6	−0.92	− 1.2	0.4/08.7	27934
(6819)	97 07 08.8	19 12.48	−20 30.3	15.5	−1.04	+ 2.0	1.0/08.9	26551
1981 EV_3	97 07 08.8	19 12.50	−16 50.8	18.1	−1.00	+ 0.9	2.5/09.2	26915
1981 EC_{14}	97 07 08.8	19 12.64	−26 18.0	18.6	−1.06	+ 0.2	1.7/08.5	22270
1989 CB_3	97 07 08.9	19 13.11	−18 53.9	17.7	−1.08	0.0	1.4/09.2	26924
1981 EH_{24}	97 07 09.0	19 13.66	−25 40.2	19.0	−0.92	− 1.7	1.1/08.7	23132
1996 AN_{15}	97 07 09.1	19 13.64	−16 45.7	17.8	−1.02	− 5.3	2.4/09.9	30093
1990 RN_3	97 07 09.1	19 13.69	−11 07.7	15.1	−0.84	− 3.1	5.9/10.6	29942
1981 EL_{14}	97 07 09.1	19 13.80	−38 10.1	19.2	−1.06	+ 0.2	5.4/07.7	26917
1981 EW_{17}	97 07 09.1	19 13.99	−19 32.5	18.5	−1.03	− 1.6	1.0/09.5	27726
1989 GJ_2	97 07 09.4	19 15.05	−11 42.3	17.1	−1.02	+ 0.2	4.4/10.3	29134
1992 EB_{26}	97 07 09.4	19 15.13	−34 43.1	19.4	−1.14	− 0.5	4.3/08.3	27713
1992 EP_{10}	97 07 09.5	19 15.25	−02 09.2	18.0	−0.88	− 5.2	7.9/12.8	27455
1994 TO_{15}	97 07 09.7	19 16.19	−38 40.2	16.7	−1.15	− 1.0	8.0/08.2	26759
1992 PD_2	97 07 09.7	19 16.37	−10 07.5	16.0	−0.79	− 0.9	5.1/11.1	27935
1986 QT_1	97 07 09.7	19 16.38	−26 31.9	17.2	−1.11	− 2.1	1.7/09.3	24407
1987 SN_{11}	97 07 09.7	19 16.42	−19 59.1	18.3	−0.81	− 1.7	0.7/10.0	22698
1986 PU_1	97 07 09.8	19 16.74	−26 01.2	17.1	−1.05	− 2.3	1.8/09.4	30090
(6872)	97 07 09.9	19 16.89	−16 46.3	15.5	−1.08	− 1.0	2.6/10.4	26734
1996 EE_2	97 07 10.0	19 17.35	−14 47.2	16.7	−1.04	− 2.5	3.3/10.9	27114
1992 JB_2	97 07 10.0	19 17.68	−05 02.7	15.1	−0.89	+ 0.1	6.6/11.7	22956
(7602)	97 07 10.2	19 18.27	−26 06.5	16.3	−0.94	+ 1.5	1.4/09.9	29601

(6982)	97 07 10.3	19 18.66	+00 33.4	15.5	−0.84	+ 0.1	10.1/12.5	27098
1981 EQ_{10}	97 07 10.3	19 18.89	−23 43.6	19.6	−1.06	− 1.1	0.5/10.2	27725
1981 EW_{24}	97 07 10.4	19 18.91	−19 11.5	16.6	−0.87	− 2.1	1.1/10.8	27726
1993 DG_2	97 07 10.4	19 19.00	−17 57.5	16.6	−1.06	− 5.3	1.8/11.0	26758
1979 MC_9	97 07 10.4	19 19.31	−17 40.4	18.6	−0.92	− 2.2	2.3/11.0	26755
1993 NO	97 07 10.4	19 19.31	−22 49.9	17.8	−1.01	− 1.8	0.2/10.4	27455
1981 EP_{27}	97 07 10.4	19 19.37	−03 15.1	17.6	−0.80	− 2.3	6.6/13.0	23132
4882 P-L	97 07 10.5	19 19.38	−38 47.0	18.5	−1.13	− 1.7	6.4/08.6	21978
1993 FA_{45}	97 07 10.6	19 19.72	−33 00.3	15.4	−0.83	− 0.3	6.3/09.4	23528
1994 YC_1	97 07 10.7	19 20.46	−22 33.2	18.0	−0.84	− 1.7	0.1/10.7	28617
1985 UF_3	97 07 10.9	19 21.10	−01 12.3	16.0	−0.89	− 1.4	8.3/13.2	26924
(7202)	97 07 11.0	19 21.81	−28 34.8	16.0	−1.05	+ 0.2	2.6/10.5	27905
1990 RP_9	97 07 11.2	19 22.21	−14 42.4	15.6	−0.98	+ 1.0	3.6/11.8	29134
1952 QW	97 07 11.2	19 22.66	−21 36.5	16.3	−1.12	− 6.3	0.2/11.4	29939
1988 XB_5	97 07 11.4	19 23.39	−28 06.6	16.8	−1.14	− 3.7	2.6/10.7	29656
1976 GL_8	97 07 11.5	19 23.81	−18 24.6	14.7	−0.97	+ 2.0	1.7/11.9	28881
(7363)	97 07 11.6	19 24.08	−08 56.8	16.8	−0.85	− 2.2	4.2/13.4	28579
(6936)	97 07 11.6	19 24.25	−20 15.6	16.9	−0.95	− 3.2	0.6/11.9	26898
(6951)	97 07 11.8	19 24.69	−23 29.1	17.1	−0.85	− 1.8	0.5/11.6	27091
1987 WJ_1	97 07 11.8	19 24.74	−32 11.6	17.0	−0.91	− 2.2	3.2/10.4	29911
1994 UT	97 07 11.8	19 25.07	−18 54.2	16.7	−1.08	0.0	1.3/12.2	29622
1036 T-3	97 07 11.8	19 25.09	−31 08.8	18.6	−0.90	− 0.5	2.5/10.9	24910
(6980)	97 07 11.9	19 25.02	−23 05.9	15.6	−0.90	− 3.0	0.4/11.7	27097
1996 FW_4	97 07 11.9	19 25.08	−24 06.9	17.2	−0.84	− 2.1	0.7/11.6	28890
4303 T-3	97 07 12.0	19 25.64	−34 24.7	18.6	−0.92	− 2.5	3.7/10.3	27565
1992 OP_1	97 07 12.1	19 26.15	−03 24.1	17.0	−0.84	+ 1.9	6.6/13.7	27309
1995 BY	97 07 12.2	19 26.26	−25 47.9	16.5	−0.90	− 2.0	1.3/11.7	28617
1993 GC_1	97 07 12.4	19 27.44	−29 03.7	14.8	−1.03	− 5.4	3.6/11.3	27326
4157 P-L	97 07 12.4	19 27.47	−22 51.1	17.7	−1.11	− 1.5	0.4/12.4	24764
1986 RS_2	97 07 12.5	19 27.82	−14 36.0	16.4	−0.99	− 2.6	3.3/13.5	26924
1993 TG	97 07 12.6	19 27.96	−06 56.8	15.9	−0.80	− 2.1	5.3/14.8	29944
1993 SL_6	97 07 12.7	19 28.57	−18 59.6	17.3	−0.88	− 2.2	1.0/13.1	27936
1993 EE	97 07 12.7	19 28.73	−18 40.1	16.8	−1.04	− 4.4	1.4/13.3	29917
1994 TY_2	97 07 12.9	19 29.54	−38 20.1	17.8	−1.19	− 2.1	5.5/10.7	29945
1988 FM	97 07 13.0	19 29.87	−44 36.6	16.6	−1.25	− 0.8	8.9/10.4	29133
4614 P-L	97 07 13.1	19 29.99	−31 20.4	17.4	−0.98	− 1.7	3.4/11.9	29668
1993 NB_2	97 07 13.2	19 30.53	−22 05.7	17.1	−1.02	− 1.6	0.1/13.2	24763
9070 P-L	97 07 13.3	19 31.11	−09 08.9	16.4	−0.89	− 1.0	4.9/14.8	28892
1993 KL	97 07 13.3	19 31.20	−61 44.2	16.9	−1.87	− 3.9	16.4/07.1	24241
1996 DK_1	97 07 13.6	19 31.98	−18 37.4	17.5	−1.01	− 3.9	1.1/14.1	29947
1986 CF_2	97 07 13.6	19 32.23	−33 45.5	16.2	−1.18	+ 3.3	4.5/12.8	25079
(7049)	97 07 13.7	19 32.74	−23 09.8	17.2	−1.10	− 3.5	0.6/13.6	29893
1996 DD_3	97 07 13.9	19 33.15	−27 22.2	18.8	−1.07	− 2.6	2.0/13.1	27457
1991 YX	97 07 13.9	19 33.31	−17 39.5	16.7	−1.05	− 4.9	1.7/14.6	28886
1993 TG_{26}	97 07 14.0	19 33.78	−36 38.8	17.6	−0.97	− 2.5	4.7/11.8	28616
1994 PE_{33}	97 07 14.2	19 34.56	−21 52.2	16.6	−1.12	− 0.4	0.1/14.2	26566
1990 RM_5	97 07 14.3	19 34.87	−23 11.1	15.7	−0.93	− 2.2	0.8/14.1	26925
3557 P-L	97 07 15.0	19 37.71	−24 18.3	17.5	−1.13	− 0.8	1.1/14.7	28892
1993 HH_7	97 07 15.0	19 37.82	−25 50.9	15.5	−1.08	− 1.7	2.1/14.5	26927
(6834)	97 07 15.1	19 38.01	−30 04.0	15.0	−0.90	− 3.2	4.5/13.8	26554
4203 T-3	97 07 15.1	19 38.31	−01 27.0	17.8	−0.87	− 3.7	7.4/18.7	27117
1984 SS_1	97 07 15.1	19 38.36	−15 35.9	18.6	−1.04	− 2.1	2.2/16.0	14786
1982 CE	97 07 15.2	19 38.55	−17 18.7	17.4	−1.03	− 3.6	1.7/15.9	30090
1981 EZ	97 07 15.2	19 38.80	−23 28.4	18.7	−1.04	− 2.4	0.7/15.0	27453
4831 P-L	97 07 15.3	19 38.87	−41 41.9	18.9	−1.17	− 1.2	6.6/12.6	29141
1984 EL	97 07 15.3	19 38.95	−28 25.1	17.2	−0.84	− 2.6	2.1/14.3	27454
(7212)	97 07 15.3	19 39.00	−13 54.6	16.4	−0.96	− 3.4	3.6/16.5	27907
9575 P-L	97 07 15.3	19 39.08	−25 00.0	16.9	−1.10	− 4.9	1.8/14.8	27732
1985 CU_1	97 07 15.3	19 39.20	−43 24.0	18.1	−1.51	+ 3.2	7.7/13.6	19673
1990 RF_2	97 07 15.4	19 39.40	−18 22.0	15.2	−0.94	− 1.6	1.6/15.9	26757
1994 PA	97 07 15.4	19 39.68	−13 31.2	17.0	−1.09	− 0.2	3.6/16.4	27456
(6983)	97 07 15.5	19 39.68	−22 02.3	15.3	−0.81	− 4.5	0.2/15.4	27098
1991 TR_6	97 07 15.5	19 39.97	−22 02.0	16.7	−1.06	− 0.4	0.3/15.5	24741
1994 XK	97 07 15.5	19 40.01	−30 05.3	15.6	−1.04	− 4.7	4.0/14.0	24576
1991 TC_3	97 07 15.6	19 40.17	−26 19.5	17.7	−1.16	− 1.6	2.1/15.0	25065
1981 EO_{26}	97 07 15.6	19 40.32	−21 26.7	17.9	−0.88	− 1.8	0.0/15.7	27726
1990 SL_7	97 07 15.6	19 40.52	−25 42.0	18.3	−1.08	− 3.5	1.7/15.0	24761
1993 FJ_{29}	97 07 15.9	19 41.40	−23 54.2	16.6	−1.15	+ 0.6	1.3/15.7	23526
1981 DE	97 07 15.9	19 41.51	−14 15.9	16.7	−1.01	− 0.9	2.8/16.8	26914
1996 EJ	97 07 16.0	19 42.06	−08 40.7	15.8	−0.86	− 6.1	4.5/18.6	27457
1992 DV_9	97 07 16.4	19 43.27	−16 17.4	20.5	−0.98	− 2.5	1.8/17.1	27308
2244 T-2	97 07 16.4	19 43.35	−19 46.3	18.1	−0.93	− 2.6	0.7/16.7	17977
4192 T-1	97 07 16.4	19 43.69	−27 09.1	16.1	−1.03	− 3.9	2.8/15.5	29668
1990 WE_9	97 07 16.5	19 43.67	−17 51.9	17.2	−0.96	− 3.6	1.6/17.0	25213
1995 BV	97 07 16.5	19 43.94	−23 15.4	17.6	−0.80	− 2.3	0.6/16.3	27568
(7176)	97 07 16.6	19 44.26	−12 07.1	16.5	−0.89	− 0.5	3.1/17.8	27899
1994 VM_7	97 07 16.6	19 44.50	−26 05.0	17.9	−1.07	− 3.2	1.8/15.9	27122
1989 US_1	97 07 16.7	19 44.49	−45 02.1	16.3	−1.23	− 3.8	9.6/11.9	27307
1989 SZ_3	97 07 16.7	19 44.59	−21 19.8	16.6	−0.91	− 4.4	0.0/16.7	24562
1993 TB_{19}	97 07 16.7	19 44.93	−25 28.2	18.8	−0.94	− 3.1	1.6/16.1	27312
1981 EP_{25}	97 07 16.8	19 45.15	−19 17.3	18.7	−0.86	− 2.0	0.6/17.2	24911
1994 SH_{11}	97 07 16.9	19 45.61	−33 18.2	16.7	−1.15	− 2.1	5.3/15.2	28854
1991 RJ_7	97 07 17.1	19 46.17	−20 52.2	15.8	−1.09	− 0.5	0.2/17.2	26758
1981 EZ_{27}	97 07 17.1	19 46.22	−23 03.9	16.6	−0.97	− 2.9	0.9/16.8	29653
(6919)	97 07 17.1	19 46.23	−17 47.5	16.7	−1.04	− 4.9	1.4/17.7	26894
1991 GW_{10}	97 07 17.1	19 46.33	−37 48.7	19.5	−1.01	− 1.3	5.5/14.8	27711
1979 QX_2	97 07 17.2	19 46.78	−25 23.9	15.9	−0.95	− 0.2	2.2/16.7	17955
1986 QB_3	97 07 17.5	19 47.95	−23 15.2	16.3	−0.83	− 3.0	0.7/17.2	27324
1995 CN	97 07 17.5	19 47.95	−20 18.5	18.6	−0.89	− 4.8	0.3/17.7	28075
1981 EW_{15}	97 07 17.5	19 48.11	−32 45.1	20.7	−0.96	− 0.8	3.2/16.0	26918
1992 RF_7	97 07 17.6	19 48.44	−28 37.0	16.6	−0.86	− 2.5	2.5/16.4	29136
1996 BL_3	97 07 17.7	19 48.64	−15 47.9	18.2	−0.97	− 4.3	2.1/18.6	26753
(7201)	97 07 17.7	19 48.65	−33 25.5	16.0	−1.14	− 4.2	5.1/15.6	27905
1989 EJ_6	97 07 17.7	19 48.69	−20 52.3	18.8	−0.78	− 2.1	0.1/17.8	28842
1981 EG_{34}	97 07 17.7	19 48.93	−08 53.4	19.7	−0.95	− 3.0	4.9/19.7	23857
1982 JD_1	97 07 17.8	19 49.15	−04 35.2	16.3	−0.91	− 1.9	7.9/20.6	26756
1994 YD_1	97 07 17.9	19 49.66	−20 10.6	17.5	−0.94	− 1.8	0.3/18.1	25084
1994 XE_6	97 07 18.1	19 50.27	−22 36.9	16.0	−1.11	+ 0.2	0.8/17.9	28854
1993 RP_3	97 07 18.2	19 50.54	−10 25.0	16.2	−0.96	+ 0.5	3.6/19.4	24745
4114 T-1	97 07 18.2	19 50.59	−24 21.0	16.9	−1.04	− 4.0	1.5/17.7	28620
1976 UJ_4	97 07 18.2	19 50.65	−23 44.9	16.6	−0.97	− 3.6	1.0/17.8	27323
1993 PU_7	97 07 18.3	19 50.93	−22 39.5	17.2	−0.94	− 1.9	0.6/18.1	29103

(6886)	97 07 18.3	19 51.12	−25 11.1	16.0	−0.97	−	5.0	1.4/17.6	26886
1988 CT_2	97 07 18.3	19 51.36	−20 22.4	16.2	−0.94	−	4.3	0.3/18.5	28883
1987 BS_1	97 07 18.4	19 51.60	−20 42.1	16.6	−1.04	+	1.1	0.1/18.5	25225
1988 VY	97 07 18.5	19 51.86	−18 16.4	17.6	−0.86	−	2.3	0.9/19.0	27710
1981 EW_{13}	97 07 18.5	19 51.91	−19 42.6	18.1	−1.01	−	2.1	0.5/18.7	24239
1984 WC_2	97 07 18.6	19 52.12	−15 46.3	17.4	−0.92	−	0.3	1.8/19.3	25225
1984 UT	97 07 18.6	19 52.20	+01 13.3	17.7	−0.86	−	0.1	6.9/21.6	23246
1996 GG_5	97 07 18.7	19 52.58	−27 16.8	17.5	−1.05	−	4.8	2.9/17.5	27560
1362 T-2	97 07 18.7	19 53.02	−31 34.7	19.5	−1.17	−	2.2	4.4/17.2	24237
(7354)	97 07 18.8	19 53.23	−24 33.5	17.7	−0.82	−	2.7	1.1/18.2	28576
1994 YE_1	97 07 18.8	19 53.37	−15 17.5	15.2	−1.03	+	1.9	2.2/19.5	25228
1996 BJ	97 07 18.8	19 53.42	−20 24.6	17.7	−1.07	−	1.6	8.8/08.0	28318
1990 SD_5	97 07 18.9	19 53.80	−27 10.9	17.1	−1.02	−	2.7	3.0/18.0	29611
1992 QE_2	97 07 19.0	19 53.72	+00 01.6	16.2	−0.75	−	4.2	8.3/23.0	24107
1989 EZ_2	97 07 19.0	19 53.83	−15 36.4	18.0	−1.07	−	0.3	2.2/19.7	26900
1981 FP	97 07 19.0	19 54.08	−17 03.6	18.4	−0.98	−	3.3	1.5/19.7	22697
6513 P-L	97 07 19.1	19 54.40	−42 16.7	17.0	−1.20	+	1.3	9.3/16.6	23786
(7022)	97 07 19.1	19 54.51	+01 18.0	17.3	−0.87	−	1.5	7.8/22.8	27296
1995 BQ_8	97 07 19.2	19 54.55	−22 34.3	18.5	−0.85	−	3.1	0.6/18.9	27917
1989 TB_5	97 07 19.4	19 55.53	−12 45.2	17.3	−0.86	−	4.3	3.1/20.9	28613
1996 BV_3	97 07 19.7	19 56.83	−27 43.8	15.4	−0.96	−	6.6	3.4/18.3	29947
1990 TU_8	97 07 19.9	19 57.57	−25 32.1	15.4	−0.94	−	2.1	2.6/19.2	26925
1992 DZ_2	97 07 20.0	19 57.99	−22 34.3	17.3	−1.01	−	3.0	0.7/19.7	27935
1992 DF_1	97 07 20.1	19 58.34	−01 38.1	18.5	−1.03	−	9.1	7.5/24.0	23978
1992 EX_{17}	97 07 20.1	19 58.46	−07 45.5	16.9	−0.98	−	3.1	5.0/22.3	27121
(7337)	97 07 20.2	19 58.72	−28 39.5	16.0	−1.10	−	0.6	3.6/19.1	28572
2114 T-3	97 07 20.3	19 59.31	−06 16.9	16.5	−0.80	−	1.7	5.2/22.8	22822
7604 P-L	97 07 20.5	19 59.81	−24 20.2	16.6	−1.02	−	4.2	1.5/19.8	27938
(7308)	97 07 20.6	20 00.52	−16 49.6	16.3	−0.86		0.0	1.3/21.2	28291
(6979)	97 07 20.7	20 00.88	−45 55.8	15.2	−1.26	+	1.5	11.5/16.8	27097
1993 FL_{84}	97 07 20.8	20 01.18	−05 15.1	15.4	−0.90	−	4.7	7.7/23.8	27730
(7433)	97 07 20.9	20 01.49	−00 27.0	17.5	−0.94	−	4.3	8.2/25.2	28834
2303 T-2	97 07 21.2	20 02.93	−21 56.0	19.1	−1.07	−	3.8	0.6/21.0	24579
(6967)	97 07 21.3	20 03.05	−27 30.0	16.7	−1.13	−	4.0	2.9/20.0	27094
1991 AS_1	97 07 21.3	20 03.13	−39 22.2	17.5	−1.40	+	3.8	6.2/19.5	25226
1994 XV	97 07 21.3	20 03.19	+09 51.4	20.2	−0.97	+	0.1	9.6/25.5	25071
1981 EF_{32}	97 07 21.3	20 03.29	−15 36.9	18.6	−1.03	+	1.0	2.1/22.0	26921
1986 RB_{12}	97 07 21.4	20 03.45	−07 02.0	15.2	−0.84	+	1.6	4.6/23.1	22698
1987 RV_3	97 07 21.4	20 03.61	−12 26.6	15.9	−0.90	−	1.8	4.2/22.8	24760
(6851)	97 07 21.5	20 03.73	−19 32.4	16.9	−1.08	−	5.0	0.4/21.7	29076
1989 XD_2	97 07 21.5	20 03.98	−19 09.8	17.3	−0.93	−	6.1	0.5/21.8	21973
1994 YU_2	97 07 21.5	20 03.99	+07 02.7	18.3	−0.93	−	7.7	10.0/27.9	25071
(7687)	97 07 21.5	20 04.00	−10 24.0	17.1	−1.01	−	3.7	4.1/23.4	29908
4069 P-L	97 07 21.6	20 04.40	−06 50.2	17.5	−0.77	−	2.6	4.3/24.2	28892
1995 EB	97 07 21.7	20 04.53	−14 49.8	18.1	−0.75	−	4.0	1.5/22.8	27456
(7105)	97 07 21.8	20 04.96	−18 42.6	18.3	−0.99	−	3.8	0.6/22.1	27697
1987 DN_6	97 07 22.0	20 06.00	−19 33.3	18.5	−0.93	−	2.2	0.2/22.2	28612
1989 AL_3	97 07 22.1	20 06.15	−19 05.7	17.3	−1.03	−	5.4	0.5/22.3	29941
1975 SU_1	97 07 22.3	20 07.04	−18 33.6	17.7	−0.78	−	2.6	0.5/22.6	28083
1992 ES_{13}	97 07 22.3	20 07.05	−16 44.5	17.7	−1.01	−	3.0	1.4/22.9	24762
1996 EG_2	97 07 22.3	20 07.27	−05 07.4	16.7	−0.85	−	6.6	6.0/25.9	29947
1996 AF_2	97 07 22.4	20 07.60	−23 49.9	15.8	−1.10	−	0.3	1.5/22.0	26928
1971 UM	97 07 22.8	20 09.02	−25 16.7	15.7	−1.03	−	3.2	2.4/21.9	28610
1990 RS_6	97 07 22.8	20 09.19	−28 35.3	17.9	−1.11	−	1.0	3.5/21.6	26740
1993 TS_{15}	97 07 22.9	20 09.40	−17 45.0	17.7	−0.90	−	3.7	1.0/23.4	24111
1991 VL_1	97 07 22.9	20 09.71	−23 44.1	16.2	−1.03	−	7.6	1.8/22.2	29660
4140 T-3	97 07 22.9	20 09.73	−20 41.0	18.9	−0.93	−	4.5	0.2/22.9	27929
1981 ED_{20}	97 07 23.0	20 10.02	−27 29.5	18.1	−1.10	−	2.6	2.7/21.8	26918
1993 KR	97 07 23.1	20 10.39	+13 00.4	18.0	−1.01	−	1.1	11.9/30.2	26744
1996 FO_5	97 07 23.1	20 10.44	−34 32.8	17.7	−1.16	−	2.3	5.3/20.7	30094
1979 ML_1	97 07 23.2	20 10.52	−14 29.8	16.5	−1.02	+	1.0	2.7/24.0	28314
4812 P-L	97 07 23.2	20 10.84	−21 10.2	19.2	−0.85	−	2.7	0.4/23.1	25224
1994 VB_7	97 07 23.2	20 10.95	−15 20.1	17.6	−1.00	−	2.8	1.8/24.0	29622
1978 VP_3	97 07 23.3	20 11.01	−23 34.3	18.8	−0.85	−	3.4	1.1/22.6	27302
1990 QZ_1	97 07 23.3	20 11.20	−28 48.2	16.9	−1.11	−	1.2	3.4/22.0	26925
3097 P-L	97 07 23.4	20 11.32	−18 28.0	16.3	−0.92	+	1.5	0.7/23.6	15423
4098 P-L	97 07 23.4	20 11.50	−07 25.8	19.0	−0.82	−	2.6	4.0/25.8	27320
1993 DD_1	97 07 23.4	20 11.68	−28 31.5	16.7	−1.17	−	2.7	3.7/22.0	29102
1992 SD_{13}	97 07 23.5	20 12.02	−01 00.1	16.4	−0.74	−	2.5	6.9/27.4	28615
1992 GA	97 07 23.6	20 12.55	−23 13.5	17.4	−1.06	+	1.2	1.2/23.3	26758
1993 SQ_{13}	97 07 23.7	20 12.57	−21 14.4	17.8	−0.89	−	2.9	0.4/23.5	27916
1981 EE_{32}	97 07 23.7	20 12.65	−10 19.4	19.3	−0.96	−	2.3	3.7/25.4	26921
1993 TL_{28}	97 07 23.8	20 12.90	−19 50.7	19.0	−0.80	−	3.0	6.3/04.0	25068
5211 T-2	97 07 23.8	20 12.96	−06 47.7	17.2	−0.82	−	1.8	4.0/26.2	22972
1985 UC	97 07 23.8	20 13.01	−52 18.3	15.9	−1.29	+	2.5	15.7/18.2	29940
1996 DF_1	97 07 23.9	20 13.59	−22 12.1	15.9	−0.94	−	0.6	1.1/23.6	27938
1984 DQ	97 07 24.0	20 13.73	−30 21.9	16.8	−1.18	+	2.4	4.5/22.9	29133
1986 QL_2	97 07 24.0	20 13.89	−23 54.7	16.1	−0.85	−	1.6	1.4/23.3	29133
1989 VK	97 07 24.1	20 14.36	−16 49.5	17.9	−1.01	−	1.9	1.2/24.7	27933
1993 YF	97 07 24.3	20 15.03	−20 21.2	18.4	−0.81	−	3.2	0.2/24.2	23791
1984 HO_1	97 07 24.3	20 15.16	−26 53.0	16.8	−1.11	−	2.7	3.5/23.1	29940
1996 JX_7	97 07 24.3	20 15.24	−20 51.9	18.9	−0.80	−	3.1	0.3/24.2	27452
2808 P-L	97 07 24.5	20 15.70	−16 59.5	18.6	−0.97	−	3.5	1.0/25.0	26929
1991 ES_1	97 07 24.5	20 15.76	−04 45.8	16.6	−0.85	−	5.7	5.1/27.9	28885
(6774)	97 07 24.5	20 15.99	−21 17.7	16.6	−1.10	−	3.7	0.6/24.3	26385
9094 P-L	97 07 24.6	20 16.31	−01 05.0	17.6	−0.86	−	3.1	9.2/28.2	27123
1985 PO	97 07 24.7	20 16.89	−17 11.9	16.4	−0.90	−	4.8	1.1/25.3	29654
(6972)	97 07 24.8	20 17.28	−09 44.4	16.2	−0.90	−	3.0	3.4/26.8	27095
(6927)	97 07 24.9	20 17.43	−17 42.3	16.0	−0.98	−	5.6	0.8/25.4	27696
1989 WF_1	97 07 24.9	20 17.58	−37 18.0	17.6	−1.06	−	5.1	6.0/20.9	29913
1992 QL_2	97 07 25.1	20 18.27	−06 07.2	15.3	−0.82	−	0.8	4.9/27.6	27714
1991 BK	97 07 25.2	20 18.80	−26 25.2	18.7	−0.94	−	3.6	2.0/23.9	29658
(6985)	97 07 25.2	20 18.85	−30 21.2	16.5	−1.07	−	4.2	4.2/23.1	27098
1994 PW_{16}	97 07 25.3	20 19.07	−18 40.5	16.5	−1.10	−	1.5	0.4/25.5	26422
(6999)	97 07 25.4	20 19.26	−14 25.9	17.6	−1.00	−	5.4	2.0/26.5	27101
(6970)	97 07 25.8	20 21.22	−21 41.7	16.2	−1.00	−	6.3	0.9/25.4	27095
1993 HC_1	97 07 25.8	20 21.35	−63 43.9	18.8	−2.09	+	1.9	16.9/19.5	23539
1988 JW	97 07 25.9	20 21.34	−25 45.7	15.0	−0.88		−11.9	2.9/24.1	26579
1995 BP_1	97 07 26.0	20 21.55	−31 54.6	15.8	−1.03	−	8.4	4.8/22.7	29622
1993 SO_2	97 07 26.0	20 21.80	−07 38.6	18.1	−0.83	−	3.2	4.0/28.5	30080
(6843)	97 07 26.0	20 21.88	−34 22.5	16.9	−1.13	−	2.4	5.3/23.3	26727
(6960)	97 07 26.1	20 22.15	−21 42.6	15.7	−0.81	−	2.6	0.8/25.7	27093