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EDITORIAL NOTICE

The April batch of *Minor Planet Circulars* was printed in *three* sections, namely, *MPC* 29337–29450, 29451–29566 and 29567–29690. Several subscribers accidentally received two copies of either the second or the third section, rather than one copy of each. Please contact the Minor Planet Center, preferably by e-mail to `iausubs@cfa.harvard.edu`, if you are missing one of the sections; it is not necessary to return the duplicate.

ERRATA

MPC	Line	
29567	−23	*For* M. Peyro, J. P. Barrillot, F. Lefevre *read* P. Dupouy, J.-F. Lahitte
29567	−22	*For* A. Klotz *read* P. Dupouy, J.-F. Lahitte
29670	−42	Add discoverers C. S. Shoemaker and E. M. Shoemaker
29670	−34	Add discoverers C. S. Shoemaker and E. M. Shoemaker
29671	−10	Add discoverers C. S. Shoemaker and E. M. Shoemaker
29671	− 1	Add discoverers C. S. Shoemaker and E. M. Shoemaker
29673	−46	*For* G. V. Williams *read* P. Wild

OBSERVATORY CODES

The following listing is a revision of that on *MPC* 25665–25670. The longitudes λ are measured in degrees eastward from Greenwich, and the parallax constants $\rho\cos\phi'$ and $\rho\sin\phi'$ are the product of the geocentric distance (in earth equatorial radii) and the cosine and sine, respectively, of the geocentric latitude. The Minor Planet Center would be pleased to learn of any errors in this list.

Obs.	λ	$\rho\cos\phi'$	$\rho\sin\phi'$	
000	0.0000	0.62411	+0.77873	Greenwich
001	0.15	0.629	+0.774	Crowborough
002	0.62	0.622	+0.781	Rayleigh
003	3.90	0.725	+0.687	Montpellier
004	1.4625	0.72520	+0.68627	Toulouse
005	2.2313	0.65989	+0.74887	Meudon
006	2.1258	0.75107	+0.65811	Fabra Observatory, Barcelona
007	2.3371	0.65947	+0.74922	Paris
008	3.0355	0.80172	+0.59578	Algiers-Bouzaréah
009	7.4417	0.6838	+0.7272	Berne-Uecht
010	6.9267	0.72368	+0.68811	Caussols
011	8.80	0.680	+0.732	Wetzikon
012	4.3582	0.63333	+0.77131	Uccle
013	4.4840	0.61481	+0.78604	Leiden
014	5.3940	0.72888	+0.68237	Marseilles
015	5.1292	0.61576	+0.78529	Utrecht
016	5.9893	0.68006	+0.73076	Besançon
017	6.8496	0.64193	+0.76431	Hoher List
018	6.7612	0.62779	+0.77578	Düsseldorf-Bilk
019	6.9575	0.68331	+0.72779	Neuchâtel
020	7.3004	0.72391	+0.68767	Nice
021	8.3855	0.65701	+0.75138	Karlsruhe
022	7.7748	0.70790	+0.70409	Pino Torinese
023	8.26	0.643	+0.762	Wiesbaden
024	8.7216	0.65211	+0.75570	Heidelberg-Konigstuhl
025	9.1975	0.66019	+0.74865	Stuttgart
026	7.4648	0.68489	+0.72640	Berne-Zimmerwald
027	9.1912	0.70254	+0.70929	Milan
028	9.9363	0.64686	+0.76009	Würzburg
029	10.2406	0.59640	+0.80000	Hamburg-Bergedorf
030	11.2554	0.72350	+0.68806	Arcetri Observatory, Florence
031	11.1925	0.63905	+0.76672	Sonneberg
032	11.5842	0.63161	+0.77272	Jena
033	11.7125	0.63089	+0.77334	Karl Schwarzschild Observatory, Tautenburg
034	12.4523	0.74519	+0.66466	Monte Mario Observatory, Rome
035	12.5779	0.56501	+0.82232	Copenhagen
036	12.6514	0.74726	+0.66241	Castel Gandolfo
037	13.7333	0.73660	+0.67416	Collurania Observatory, Teramo
038	13.7704	0.70033	+0.71144	Trieste
039	13.1874	0.56485	+0.82243	Lund
040	13.7298	0.63019	+0.77387	Lohrmann Institute, Dresden
041	11.3808	0.67986	+0.73101	Innsbruck
042	13.0661	0.61169	+0.78847	Potsdam
043	11.5286	0.69770	+0.71422	Asiago Astrophysical Observatory, Padua
044	14.2559	0.75738	+0.65082	Capodimonte Observatory, Naples
045	16.3390	0.66739	+0.74227	Vienna (since 1879)
046	14.2881	0.65922	+0.74965	Kleť Observatory, České Budějovice

047	16.8782	0.61146	+0.78864	Poznań
048	15.83	0.640	+0.765	Hradec Kralove
049	17.6067	0.5088	+0.8580	Uppsala-Kvistaberg
050	18.0582	0.51118	+0.85660	Stockholm (before 1931)
051	18.4766	0.83055	−0.55508	Cape
052	18.3083	0.51224	+0.85597	Stockholm-Saltsjöbaden
053	18.9642	0.67688	+0.73373	Konkoly Observatory, Budapest (since 1934)
054	11.6654	0.56595	+0.82169	Brorfelde
055	19.9596	0.64321	+0.76316	Cracow
056	20.2450	0.65501	+0.75346	Skalnaté Pleso
057	20.5133	0.71074	+0.70116	Belgrade
058	20.4957	0.57895	+0.81263	Kaliningrad
059	20.2201	0.65500	+0.75364	Lomnický Štiť
060	21.4200	0.61572	+0.78535	Warsaw-Ostrowik
061	22.30	0.661	+0.746	Uzhgorod
062	22.2293	0.49440	+0.86632	Turku
063	22.4450	0.49496	+0.86601	Turku-Tuorla
064	22.75	0.495	+0.865	Turku-Kevola
065	12.63	0.673	+0.739	Traunstein
066	23.7169	0.78932	+0.61195	Athens
067	24.0297	0.64632	+0.76058	Lvov University Observatory
068	24.0142	0.64627	+0.76062	Lvov Polytechnic Institute
069	24.41	0.549	+0.833	Baldone, near Riga
070	25.2865	0.57940	+0.81233	Vilnius (before 1939)
071	24.72	0.748	+0.661	Smolyan
072	7.17	0.629	+0.774	Scheuren Observatory
073	26.0967	0.71549	+0.69630	Bucharest
074	26.4058	0.87518	−0.48263	Boyden Observatory, Bloemfontein
075	26.7216	0.52557	+0.84791	Tartu
076	27.8768	0.90127	−0.43225	Johannesburg-Hartbeespoort
077	28.0292	0.89819	−0.43876	Yale-Columbia Station, Johannesburg
078	28.0750	0.89824	−0.43868	Johannesburg
079	28.2288	0.90120	−0.43251	Radcliffe Observatory, Pretoria
080	28.9667	0.75566	+0.65278	Istanbul
081	27.8768	0.90127	−0.43225	Leiden Station, Johannesburg
082	15.63	0.668	+0.741	St. Pölten
083	30.50	0.640	+0.767	Golosseevo-Kiev
084	30.3274	0.50471	+0.86041	Pulkovo
085	30.5023	0.63800	+0.76749	Kiev
086	30.7582	0.68987	+0.72152	Odessa
087	31.3411	0.86799	+0.49495	Helwan
088	31.82	0.868	+0.500	Kottomia
089	31.9747	0.68359	+0.72743	Nikolaev
090	8.25	0.645	+0.762	Mainz
091	4.2092	0.70363	+0.70829	Observatoire de Nurol, Aurec sur Loire
092	18.5546	0.60177	+0.79601	Torun-Piwnice
093	20.3647	0.3537	+0.9322	Skibotn
094	33.9974	0.71565	+0.69620	Crimea-Simeïs
095	34.02	0.711	+0.701	Crimea-Nauchnij
096	9.4283	0.69967	+0.71215	Merate
097	34.7625	0.86165	+0.50608	Wise Observatory, Mitzpeh Ramon
098	11.5694	0.69774	+0.71395	Asiago Observatory, Cima Ekar
099	25.53	0.483	+0.873	Lahti
100	24.13	0.462	+0.884	Ahtari
101	36.2322	0.64403	+0.76246	Kharkov
102	36.59	0.565	+0.823	Zvenigorod
103	14.47	0.694	+0.715	Ljubljana
104	10.8042	0.71985	+0.69202	San Marcello Pistoiese
105	37.5706	0.56403	+0.82302	Moscow
106	14.0736	0.69661	+0.71520	Crni Vrh
107	11.0030	0.70998	+0.70186	Cavezzo
108	11.0278	0.72367	+0.68784	Montelupo
109	3.0705	0.80241	+0.59481	Algiers-Kouba
110	39.15	0.544	+0.835	Rostov
111	10.9721	0.72439	+0.68710	Piazzano Observatory, Florence
112	10.9039	0.70232	+0.70950	Pleiade Observatory, Verona
113	13.0166	0.63502	+0.77001	Volkssternwarte Drebach, Schoenbrunn
114	41.4277	0.72489	+0.68702	Engelhardt Observatory, Zelenchukskaya Station
115	41.4416	0.72492	+0.68699	Zelenchukskaya
116	11.5958	0.66893	+0.74094	Giesing
117	11.5385	0.66897	+0.74092	Sendling
118	17.2740	0.66558	+0.74394	Astronomical and Geophysical Observatory, Modra
119	42.8253	0.74729	+0.66264	Abastuman
120	13.7261	0.70489	+0.70699	Višnjan
121	36.9369	0.64883	+0.75842	Kharkov University, Chuguevskaya Station
122	3.5035	0.72017	+0.69176	Pises Observatory
123	44.2917	0.76352	+0.64398	Byurakan
124	2.2550	0.72534	+0.68612	Castres
125	44.90	0.739	+0.671	Tbilisi
126	9.4758	0.71957	+0.69216	Monte Viseggi
127	6.9794	0.6339	+0.7709	Bornheim
128	46.10	0.626	+0.779	Saratov
129	45.88	0.776	+0.629	Ordubad
130	10.2407	0.70013	+0.71181	Lumezzane
131	4.725	0.7123	+0.6996	Observatoire de l'Ardeche
132	5.242	0.7192	+0.6926	Bedoin
133	5.0906	0.72819	+0.68309	Les Tardieux
134	11.4842	0.63160	+0.77277	Groszschwabhausen
135	49.1210	0.56353	+0.82334	Kasan
136	48.8156	0.56282	+0.82383	Engelhardt Observatory, Kasan
168	59.50	0.546	+0.835	Kourovskaya
186	66.8821	0.77679	+0.62781	Kitab
188	66.88	0.781	+0.622	Shokin Majdanak
190	68.68	0.783	+0.619	Gissar
191	68.7811	0.78306	+0.62006	Dushanbe
192	69.2936	0.75213	+0.65692	Tashkent
193	69.22	0.786	+0.617	Sanglok
210	76.9573	0.73042	+0.68104	Alma-Ata
217	77.88	0.729	+0.683	Assah
218	78.4541	0.95444	+0.29768	Hyderabad
219	78.7283	0.95618	+0.29216	Japal-Rangapur
220	78.8263	0.97627	+0.21634	Vainu Bappu Observatory, Kavalur
223	80.2464	0.97427	+0.22465	Madras
236	84.9465	0.55370	+0.82995	Tomsk

250				Hubble Space Telescope
251	293.24692	0.949577	+0.312734	Arecibo
252	243.20512	0.817719	+0.573979	Goldstone DSS 13, Fort Irwin
253	243.11047	0.815913	+0.576510	Goldstone DSS 14, Fort Irwin
254	288.51128	0.736973	+0.673692	Haystack, Westford
286	102.79	0.908	+0.420	Yunnan Observatory
292	285.1058	0.76630	+0.64033	Burlington, New Jersey
293	285.5899	0.76936	+0.63668	Burlington remote site
295	283.0000	0.7789	+0.6251	Catholic University Observatory, Washington
296	286.2515	0.7365	+0.6742	Dudley Observatory (after 1893)
297	286.83	0.720	+0.692	Middlebury
298	287.3408	0.74943	+0.65988	Van Vleck Observatory
299	107.6160	0.99316	−0.11808	Bosscha Observatory, Lembang
301	288.8467	0.70279	+0.70926	Mont Megantic
302	288.88	0.990	+0.150	University of the Andes station
303	289.1329	0.98889	+0.15190	Mérida
304	289.2980	0.87559	−0.48217	Las Campanas Observatory
305	109.53	0.950	+0.310	Purple Mountain, Hainan Island station
312	112.33	0.957	+0.288	Tsingtao field station, Xisha Islands
323	116.1350	0.84882	−0.52703	Perth Observatory, Bickley
324	116.3277	0.76598	+0.64072	Peking Observatory, Shaho Station
327	117.5750	0.76278	+0.64470	Peking Observatory, Xinglong Station
330	118.8209	0.84828	+0.52788	Purple Mountain Observatory, Nanking
334	120.3196	0.80925	+0.58552	Tsingtao
337	121.1865	0.85708	+0.51349	Zô-Sé
353	135.0648	0.82265	+0.56669	Nishi Kobe
354	140.0206	0.80109	+0.59674	Kawachi
355	139.2133	0.81618	+0.57590	Hadano
356	141.0867	0.78319	+0.61970	Kogota
357	140.0064	0.80807	+0.58712	Shimotsuma
358	140.1586	0.78856	+0.61296	Nanyou
359	135.1719	0.82782	+0.55912	Wakayama
360	132.9442	0.83314	+0.55138	Kuma Kogen
361	134.8956	0.82652	+0.56102	Sumoto
362	140.6550	0.73673	+0.67398	Ray Observatory
363	130.7703	0.83416	+0.54967	Yamada
364	130.5747	0.85213	+0.52164	YCPM Kagoshima Station
365	135.9579	0.82597	+0.56196	Uto Observatory
366	138.3003	0.81147	+0.58267	Miyasaka Observatory
367	133.1670	0.81504	+0.57747	Yatsuka
368	138.8117	0.81213	+0.58191	Ochiai
369	139.1500	0.8101	+0.5844	Chichibu
370	133.5273	0.83424	+0.54956	Kochi
371	133.5965	0.82433	+0.56431	Tokyo-Okayama
372	133.8276	0.83450	+0.54920	Geisei
373	135.3397	0.82866	+0.55797	Oishi
374	134.7196	0.81915	+0.57174	Minami-Oda Observatory
375	134.8708	0.8206	+0.5697	Uzurano
376	139.0392	0.81321	+0.58022	Uenohara
377	135.7933	0.82014	+0.57031	Kwasan Observatory, Kyoto
378	136.0142	0.82437	+0.56426	Murou
379	137.7708	0.8228	+0.5664	Hamamatsu
380	137.0349	0.82190	+0.56772	Ishiki
381	137.6283	0.81220	+0.58173	Tokyo-Kiso
382	137.5553	0.80915	+0.58639	Tokyo-Norikura
383	137.8959	0.80218	+0.59526	Chirorin
384	138.1792	0.8219	+0.5678	Shimada
385	138.4680	0.82039	+0.56997	Nihondaira Observatory
386	138.3217	0.81121	+0.58309	Yatsugatake-Kobuchizawa
387	139.1944	0.81000	+0.58469	Tokyo-Dodaira
388	139.5421	0.81330	+0.57991	Tokyo-Mitaka
389	139.7447	0.81347	+0.57965	Tokyo (before 1938)
390	139.8725	0.80425	+0.59234	Utsunomiya
391	140.7824	0.78621	+0.61592	Sendai Observatory, Ayashi Station
392	141.3667	0.73355	+0.67741	JCPM Sapporo Station
393	140.1292	0.8090	+0.5858	JCPM Sakura Station
394	142.3208	0.70692	+0.70493	JCPM Hamatonbetsu Station
395	142.3583	0.7224	+0.6891	Tokyo-Asahikawa
396	142.4208	0.7236	+0.6879	Asahikawa
397	141.4761	0.73210	+0.67892	Sapporo Science Center
398	139.1080	0.80870	+0.58630	Nagatoro
399	144.5900	0.73158	+0.67950	Kushiro
400	143.7827	0.72344	+0.68811	Kitami
401	139.4208	0.8088	+0.5861	Oosato
402	136.3078	0.81800	+0.57335	Dynic Astronomical Observatory
403	137.0556	0.81593	+0.57625	Kani
404	140.9292	0.7909	+0.6099	Yamamoto
405	139.3292	0.8069	+0.5887	Kamihoriguchi
406	141.8233	0.72946	+0.68174	Bibai
407	140.3099	0.78426	+0.61837	Kahoku
408	138.1747	0.81121	+0.58328	Nyukasa
409	139.5211	0.81234	+0.58124	Kiyose and Mizuho
410	134.8910	0.81883	+0.57222	Sengamine
411	139.4170	0.80739	+0.58805	Oizumi
412	140.5991	0.80011	+0.59803	Iwaki
413	149.0661	0.85560	−0.51626	Siding Spring Observatory
414	149.0077	0.81694	−0.57499	Mount Stromlo
415	149.0624	0.81613	−0.57608	Kambah, near Canberra
416	149.13	0.816	−0.575	Barton, near Canberra
417	137.1371	0.79611	+0.60317	Yanagida Astronomical Observatory
418	150.94	0.858	−0.511	Tamworth
419	150.8329	0.83370	−0.55038	Windsor
420	151.2050	0.83126	−0.55404	Sydney
421	133.7650	0.83244	+0.55262	Mt. Kajigamori, Otoyo
422	151.0461	0.85503	−0.51709	Loomberah
423	151.1236	0.83179	−0.55324	North Ryde
424	149.0658	0.81758	−0.57405	Macquarie, near Canberra
425	152.93	0.896	−0.443	Taylor Range Observatory, Brisbane
472	6.3203	0.71225	+0.69998	Merlette
473	13.3164	0.69479	+0.71682	Remanzacco
474	170.4650	0.72077	−0.69108	Mount John Observatory, Lake Tekapo
475	7.6965	0.70747	+0.70443	Turin (before 1913)
476	7.1414	0.70659	+0.70535	Grange Observatory, Bussoleno
477	0.4856	0.62103	+0.78117	Galleywood

478	3.0896	0.72548	+0.68597	Lamalou-les-Bains
479	6.0505	0.73020	+0.68096	Sollies-Pont
480	0.77	0.615	+0.786	Cockfield
481	7.93	0.596	+0.800	Moorwarfen
482	357.1854	0.55560	+0.82866	St. Andrews
483	173.80	0.748	−0.661	Carter Observatory, Black Birch Station
484	174.75	0.753	−0.657	Happy Valley, Wellington
485	174.7654	0.75256	−0.65635	Carter Observatory, Wellington
486	175.47	0.765	−0.643	Palmerston North
487	355.45	0.568	+0.821	Macnairston Observatory
488	358.37	0.575	+0.816	Newcastle-upon-Tyne
489	359.87	0.612	+0.788	Hemingford Abbots
490	358.00	0.633	+0.772	Wimborne Minster
491	356.9000	0.76131	+0.64644	Centro Astronómico de Yebes
492	358.47	0.605	+0.795	Mickleover
493	357.4542	0.79753	+0.60182	Calar Alto
494	357.8361	0.61126	+0.78879	Stakenbridge
495	357.66	0.598	+0.800	Altrincham
496	358.69	0.631	+0.774	Bishopstoke
497	359.30	0.626	+0.776	Ascot-Loudwater
498	359.26	0.612	+0.788	Northampton
499	359.79	0.626	+0.776	Cheam
500	0.0000	0.00000	0.00000	Geocentric
501	0.3475	0.63237	+0.77208	Herstmonceux
502	0.85	0.617	+0.783	Colchester
503	0.0948	0.61400	+0.78667	Cambridge
504	4.3944	0.68553	+0.72570	Le Creusot
505	4.56	0.622	+0.781	Simon Stevin
506	9.96	0.598	+0.797	Bendestorf
507	5.22	0.617	+0.783	Nyenheim
508	5.29	0.617	+0.783	Zeist
509	5.87	0.732	+0.680	La Seyne sur Mer
510	8.03	0.631	+0.772	Siegen
511	5.71	0.722	+0.690	Haute Provence
512	4.49	0.615	+0.786	Leiden (before 1860)
513	4.7855	0.69971	+0.71209	Lyons
514	8.43	0.652	+0.755	Mundenheim (1907–1913)
515	7.48	0.650	+0.758	Volkssternwarte Dhaun, near Kirn
516	9.9733	0.59539	+0.80075	Hamburg (before 1909)
517	6.1525	0.69340	+0.71823	Geneva
518	9.9727	0.59545	+0.80071	Marine Observatory, Hamburg
519	8.29	0.626	+0.776	Meschede
520	7.0966	0.63427	+0.77053	Bonn
521	10.8899	0.64562	+0.76116	Bamberg
522	7.7677	0.66279	+0.74633	Strasbourg
523	8.65	0.643	+0.765	Frankfurt
524	8.4605	0.6509	+0.7566	Mannheim
525	8.7708	0.6331	+0.7715	Marburg
526	10.1477	0.58426	+0.80886	Kiel
527	9.9431	0.5955	+0.8007	Altona
528	9.9426	0.62340	+0.77931	Göttingen
529	10.7229	0.50259	+0.86163	Christiania
530	10.6898	0.5911	+0.8039	Lübeck
531	12.4797	0.74545	+0.66434	Collegio Romano, Rome
532	11.6084	0.66853	+0.74130	Munich
533	11.8715	0.70335	+0.70847	Padua
534	12.3913	0.62606	+0.77719	Leipzig (since 1861)
535	13.3578	0.78782	+0.61386	Palermo
536	13.1062	0.61135	+0.78873	Berlin-Babelsberg
537	13.3642	0.6097	+0.7900	Urania Observatory, Berlin
538	13.8461	0.70998	+0.70187	Pola
539	14.1316	0.66968	+0.74024	Kremsmünster
540	14.2753	0.66470	+0.74477	Linz
541	14.3953	0.64306	+0.76331	Prague
542	13.04	0.607	+0.790	Falkensee
543	12.3688	0.6260	+0.7772	Leipzig (before 1861)
544	13.4250	0.61040	+0.78945	Wilhelm Foerster Observatory, Berlin
545	16.3817	0.66767	+0.74200	Vienna (before 1879)
546	16.3549	0.66760	+0.74207	Oppolzer Observatory, Vienna
547	17.0363	0.62904	+0.77479	Breslau
548	13.3950	0.60999	+0.78976	Berlin (1835–1913)
549	17.6257	0.50341	+0.86116	Uppsala
550	11.4196	0.5943	+0.8015	Schwerin
551	18.1895	0.67201	+0.73808	Hurbanovo, formerly O'Gyalla
552	11.3418	0.71485	+0.69700	Osservatorio S. Vittore, Bologna
553	18.9938	0.64002	+0.76574	Chorzów
554	8.40	0.638	+0.769	Burgsolms Observatory, Wetzlar
555	19.83	0.643	+0.762	Cracow-Fort Skała
556	11.26	0.675	+0.734	Reintal, near Munich
557	14.7837	0.64530	+0.76148	Ondřejov
558	21.0303	0.61396	+0.78672	Warsaw
559	14.98	0.793	+0.607	Serra La Nave
560	10.93	0.704	+0.708	Madonna di Dossobuono
561	20.02	0.671	+0.739	Piszkéstető
562	15.92	0.668	+0.741	Figl Observatory, Vienna
563	13.60	0.671	+0.739	Seewalchen
564	11.19	0.671	+0.741	Herrsching
565	10.14	0.704	+0.708	Brescia
566	203.7424	0.93623	+0.35156	Haleakala-NEAT/GEODSS
567	12.71	0.699	+0.715	Chions
568	204.5278	0.94171	+0.33725	Mauna Kea
569	24.9587	0.49891	+0.86375	Helsinki
570	25.2990	0.5794	+0.8123	Vilnius (since 1939)
571	10.63	0.704	+0.708	Cavriana
572	6.89	0.631	+0.772	Cologne
573	9.6612	0.6145	+0.7862	Eldagsen
574	10.27	0.704	+0.708	Gottolengo
575	6.808	0.68219	+0.72894	La Chaux de Fonds
576	0.38	0.631	+0.774	Burwash
577	7.50	0.678	+0.734	Metzerlen Observatory
578	27.99	0.898	−0.439	Linden Observatory
579	8.85	0.711	+0.701	Novi Ligure
580	15.4936	0.68242	+0.72862	Graz
581	22.80	0.830	−0.556	Sedgefield

582	1.22	0.617	+0.783	Orwell Park
583	30.27	0.692	+0.720	Odessa-Mayaki
584	30.2946	0.50213	+0.86189	Leningrad
585	30.53	0.638	+0.767	Kiev comet station
586	0.1423	0.73358	+0.67799	Pic du Midi
587	9.2302	0.69744	+0.71448	Sormano
588	11.25	0.715	+0.697	Eremo di Tizzano
589	12.64	0.739	+0.673	Santa Lucia Stroncone
590	7.46	0.678	+0.734	Metzerlen
591	9.6258	0.6099	+0.7898	Resse Observatory
592	7.01	0.629	+0.774	Sohlingen
593	11.17	0.739	+0.671	Monte Argentario
594	13.2033	0.74497	+0.66529	Monte Autore
595	13.53	0.697	+0.715	Farra d'Isonzo
596	12.6183	0.74446	+0.66545	Colleverde di Guidonia
597	9.6630	0.6146	+0.7862	Springe
598	11.3333	0.71748	+0.69442	Loiano
599	13.561	0.7392	+0.6713	Astronomical Observatory, Campo Imperatore
600	11.4708	0.71618	+0.69564	TLC Observatory, Bologna
601	13.7275	0.63009	+0.77395	Engelhardt Observatory, Dresden
602	16.3854	0.66764	+0.74203	Urania Observatory, Vienna
603	10.1300	0.58622	+0.80745	Bothkamp
604	13.4777	0.59631	+0.80007	Archenhold Sternwarte, Berlin-Treptow
605	7.1130	0.62142	+0.78086	Marl
606	9.9956	0.59353	+0.80212	Norderstedt
607	8.0000	0.6277	+0.7760	Hagen Observatory, Ronkhausen
608	203.7420	0.93623	+0.35156	Haleakala-AMOS
609	12.8533	0.73772	+0.67314	Osservatorio Polino
610	11.3431	0.71577	+0.69604	Pianoro
611	8.6531	0.64877	+0.75848	Starkenburg Sternwarte, Heppenheim
612	7.10	0.625	+0.778	Lenkerbeck
613	7.0709	0.62504	+0.77800	Heisingen
614	2.467	0.6621	+0.7469	Soisy-sur-Seine
615	6.9067	0.71233	+0.70014	St. Veran
616	16.5883	0.65465	+0.75346	Brno
617	2.5725	0.66496	+0.74437	Arbonne la Forêt
618	5.0077	0.72750	+0.68382	Martigues
619	2.0912	0.74950	+0.65984	Sabadell
620	2.9517	0.77110	+0.63463	Observatorio Astronómico de Mallorca
621	7.4858	0.62944	+0.77451	Bergisch Gladbach
622	7.5680	0.68778	+0.72358	Oberwichtrach
623	5.5643	0.63577	+0.76932	Liège
624	9.6167	0.64723	+0.75977	Dertingen
625	203.5683	0.93557	+0.35201	Kihei-AMOS Remote Maui Experimental Site
626	4.9864	0.62847	+0.77524	Geel
627	5.2146	0.72002	+0.69168	Blauvac
628	6.4286	0.62479	+0.77818	Mülheim-Ruhr
629	20.1511	0.69273	+0.71880	JATE Observatory, Szeged
630	7.2367	0.67051	+0.73951	Osenbach
631	10.02	0.596	+0.800	Hamburg-Georgswerder
655	236.383	0.6656	+0.7438	Sooke
656	236.3921	0.66580	+0.74367	Victoria
657	236.6903	0.66437	+0.74491	Climenhaga Observatory, Victoria
658	236.5830	0.66363	+0.74560	Dominion Astrophysical Observatory, Victoria
660	237.7379	0.79038	+0.61059	Leuschner Observatory, Berkeley
662	238.3545	0.79619	+0.60335	Lick Observatory, Mount Hamilton
664	239.2775	0.6840	+0.7273	Manastash Ridge Observatory
666	241.1692	0.8270	+0.5604	Moorpark College Observatory
667	240.0092	0.68448	+0.72663	Wanapum Dam
668	240.82	0.821	+0.568	San Emigdio Peak
669	240.82	0.826	+0.563	Ojai
670	240.9558	0.82775	+0.55922	Camarillo
671	242.00	0.828	+0.561	Stony Ridge
672	241.9403	0.82802	+0.55930	Mount Wilson
673	242.3191	0.82647	+0.56172	Table Mountain Observatory, Wrightwood
674	242.39	0.826	+0.563	Ford Observatory, Wrightwood
675	243.1360	0.83634	+0.54686	Palomar Mountain
679	244.5367	0.85792	+0.51292	San Pedro Martir
680	244.78	0.833	+0.554	Los Angeles
683	248.9182	0.84751	+0.52922	Goodricke-Pigott Observatory, Tucson
684	247.5100	0.82512	+0.56356	Prescott
685	247.84	0.816	+0.575	Williams, AZ
686	249.2092	0.84512	+0.53359	U. of Minn. Infrared Obs., Mt. Lemmon
687	248.3473	0.81848	+0.57318	Northern Arizona University, Flagstaff
688	248.4645	0.81938	+0.57193	Lowell Observatory, Mesa Station
689	248.2601	0.81851	+0.57319	U.S. Naval Observatory, Flagstaff
690	248.3367	0.81832	+0.57344	Lowell Observatory, Flagstaff
691	248.4006	0.84946	+0.52649	Steward Observatory, Kitt Peak
692	249.0513	0.84679	+0.53036	Steward Observatory, Tucson
693	249.2680	0.84532	+0.53321	Catalina Station, Tucson
694	248.9943	0.84700	+0.53009	Tumamoc Hill, Tucson
695	248.4053	0.84950	+0.52643	Kitt Peak
696	249.1154	0.85205	+0.52249	Whipple Observatory, Mt. Hopkins
697	248.3842	0.84956	+0.52629	Kitt Peak, McGraw-Hill
698	249.28	0.844	+0.532	Mt. Bigelow
700	250.3817	0.80656	+0.58960	Chinle
702	252.8117	0.8305	+0.5561	Joint Obs. for cometary research, Socorro
704	253.3409	0.83186	+0.55354	Lincoln Laboratory ETS, New Mexico
706	253.8906	0.77868	+0.62573	Salida
707	254.56	0.774	+0.633	Chamberlin field station
708	255.0475	0.77092	+0.63520	Chamberlin Observatory, Denver
709	254.2288	0.84025	+0.54110	W & B Observatory, Cloudcroft
710	254.7336	0.77980	+0.62458	Florissant
711	255.9785	0.86114	+0.50731	McDonald Observatory, Fort Davis
721	259.7312	0.76271	+0.64476	Lime Creek
724	260.8053	0.94388	+0.33026	National Observatory, Tacubaya
728	262.6084	0.88610	+0.46194	Corpus Christi
729	262.8792	0.64880	+0.75845	Glenlea Astronomical Observatory, Winnipeg
730	262.9156	0.67148	+0.73860	University of North Dakota, Grand Forks
732	263.2300	0.95591	+0.29359	Oaxaca
735	264.4064	0.87213	+0.48763	George Observatory, Needville
741	266.8503	0.71493	+0.69692	Goodsell Observatory, Northfield
742	266.3138	0.74900	+0.66041	Drake University, Des Moines
743	266.7633	0.70857	+0.70328	University of Minnesota, Minneapolis

745	267.1751	0.7757	+0.6290	Glasgow, Missouri
748	268.4680	0.75014	+0.65912	Van Allen Observatory, Iowa City
750	268.7282	0.71059	+0.70131	Hobbs Observatory, Fall Creek
753	270.5921	0.73161	+0.67950	Washburn Observatory, Madison
754	271.4432	0.73762	+0.67303	Yerkes Observatory, Williams Bay
756	272.3257	0.74361	+0.66641	Dearborn Observatory, Evanston
759	273.1947	0.80946	+0.58530	Nashville
760	273.6048	0.77216	+0.63337	Goethe Link Observatory, Brooklyn
763	280.4658	0.72157	+0.69009	King City
764	275.1439	0.83264	+0.55205	Puckett Observatory, Stone Mountain
765	275.5775	0.77669	+0.62784	Cincinnati
766	275.5167	0.73600	+0.67477	Michigan State University Obs., East Lansing
767	276.2697	0.74102	+0.66930	Ann Arbor
768	277.08	0.734	+0.675	Dearborn
769	276.9892	0.76716	+0.63936	McMillin Observatory, Columbus
770	274.0786	0.77573	+0.62900	Crescent Moon Observatory, Columbus
771	277.57	0.922	+0.389	Boyeros Observatory, Havana
772	284.0865	0.70517	+0.70669	Boltwood Observatory, Stittsville
773	278.4318	0.74966	+0.65966	Warner and Swasey Observatory, Cleveland
774	278.9250	0.74905	+0.66039	Warner and Swasey Nassau Station, Chardon
775	284.6168	0.76029	+0.64743	Sayre Observatory, South Bethlehem
776	284.4669	0.73472	+0.67619	Foggy Bottom, Hamilton
777	280.6017	0.72454	+0.68695	Toronto
778	279.9778	0.76172	+0.64582	Allegheny Observatory, Pittsburgh
779	280.5779	0.72219	+0.68943	David Dunlap Observatory, Richmond Hill
780	281.4778	0.78868	+0.61280	Leander McCormick Observatory, Charlottesville
781	281.5075	1.00045	−0.00405	Quito
782	281.65	0.999	+0.000	Quito, comet astrograph station
783	282.02	0.783	+0.622	Rixeyville
784	282.2148	0.74140	+0.66895	Stull Observatory, Alfred University
785	285.3433	0.76319	+0.64402	Princeton
786	282.9345	0.77906	+0.62487	U.S. Naval Obs., Washington (since 1893)
787	282.9494	0.77934	+0.62451	U.S. Naval Obs., Washington (before 1893)
788	284.3667	0.76953	+0.63650	Mount Cuba Observatory, Wilmington
789	284.5940	0.73188	+0.67922	Litchfield Observatory, Clinton
790	284.2835	0.70343	+0.70840	Dominion Observatory, Ottawa
791	284.5236	0.76713	+0.63937	Flower and Cook Observatory, Philadelphia
792	288.30	0.753	+0.657	U. of Rhode Island, Quonochontaug
793	286.2200	0.73660	+0.67407	Dudley Observatory, Albany (before 1893)
794	278.90	0.748	+0.661	Vassar College Observatory, Poughkeepsie
795	286.0123	0.7589	+0.6491	Rutherford
796	286.45	0.755	+0.654	Stamford
797	287.0751	0.75218	+0.65676	Yale Observatory, New Haven
798	287.0154	0.75093	+0.65822	Yale Observatory, Bethany
799	288.8650	0.73896	+0.67150	Winchester
800	288.4511	0.96006	−0.28021	Harvard Observatory, Arequipa
801	288.4408	0.73838	+0.67216	Oak Ridge Observatory
802	288.8706	0.73982	+0.67055	Harvard Observatory, Cambridge
803	288.9167	0.74543	+0.66436	Taunton
804	289.3121	0.83421	−0.54976	Santiago-San Bernardo
805	288.97	0.840	−0.542	Santiago-Cerro El Roble
806	289.4513	0.83584	−0.54738	Santiago-Cerro Calán
807	289.1941	0.86560	−0.49980	Cerro Tololo Observatory, La Serena
808	290.6708	0.85098	−0.52414	El Leoncito
809	289.2704	0.87346	−0.48603	European Southern Observatory, La Silla
810	288.5154	0.73712	+0.67352	Wallace Observatory, Westford
811	289.8952	0.75259	+0.65629	Maria Mitchell Observatory, Nantucket
812	288.42	0.840	−0.542	Viña del Mar
813	289.3083	0.83533	−0.54805	Santiago-Quinta Normal (1862–1920)
814	288.42	0.746	+0.664	North Scituate
815	289.3479	0.83539	−0.54799	Santiago-Santa Lucia (1849–1861)
816	285.7583	0.71645	+0.69542	Rand Observatory
817	288.6104	0.74018	+0.67017	Sudbury
818	286.4167	0.7040	+0.7079	Gemeaux Observatory, Laval
819	284.3850	0.69720	+0.71451	Val-des-Bois
820	295.37	0.931	−0.366	Tarija
821	295.4533	0.85270	−0.52103	Córdoba-Bosque Alegre
822	295.8035	0.85419	−0.51834	Córdoba
823	288.1691	0.73715	+0.67354	Fitchburg
824	285.7583	0.71645	+0.69542	Lake Clear
825	288.2595	0.74033	+0.67003	Granville
826	288.2282	0.69312	+0.71843	Plessissville
827	287.5393	0.66190	+0.74710	St. Felicien
833	301.4633	0.82373	−0.56508	Obs. Astronómico de Mercedes, Buenos Aires
834	301.5654	0.82398	−0.56473	Buenos Aires-AAAA
839	302.0678	0.82097	−0.56906	La Plata
844	303.8102	0.82159	−0.56906	Los Molinos
861	312.9204	0.92253	−0.38487	Barão Geraldo
862	138.5262	0.80861	+0.58658	Saku
863	137.18	0.807	+0.588	Furukawa
864	130.7533	0.84257	+0.53680	Kumamoto
867	134.1222	0.81671	+0.57522	Saji Observatory
868	135.1359	0.83066	+0.55492	Hidaka Observatory
869	133.4298	0.83480	+0.54870	Tosa
870	313.17	0.934	−0.359	Campiñas
871	134.3925	0.82256	+0.56678	Akou
872	134.2411	0.82904	+0.55734	Tokushima
873	133.7708	0.8235	+0.5654	Kurashiki Observatory
874	314.42	0.924	−0.380	Itajuba
875	139.2353	0.80896	+0.58593	Yorii
876	139.2467	0.80762	+0.58774	Honjo
877	139.0828	0.81194	+0.58196	Okutama
878	136.9142	0.82019	+0.57019	Kagiya
879	137.3535	0.81970	+0.57099	Tokai
880	316.7771	0.92169	−0.38664	Rio de Janeiro
881	137.2571	0.81872	+0.57230	Toyota
882	137.3558	0.81842	+0.57281	JCPM Oi Station
883	138.4215	0.81986	+0.57065	Shizuoka
884	138.0792	0.8187	+0.5724	Kawane
885	138.4667	0.82049	+0.56975	JCPM Yakiimo Station
886	138.9367	0.81836	+0.57280	Mishima
887	139.3367	0.80745	+0.58798	Ojima
888	138.9952	0.81885	+0.57217	Gekko
889	140.1427	0.80322	+0.59372	Karasuyama

890	140.2500	0.8108	+0.5834	JCPM Tone Station
891	140.8633	0.78606	+0.61609	JCPM Kimachi Station
892	139.4753	0.80852	+0.58650	YGCO Hoshikawa and Nagano Stations
893	140.8657	0.78626	+0.61583	Sendai Municipal Observatory
894	138.4476	0.81113	+0.58321	Kiyosato
895	140.7203	0.78573	+0.61658	Hatamae
896	138.3678	0.81132	+0.58292	Yatsugatake South Base Observatory
897	139.4929	0.80797	+0.58725	YGCO Chiyoda Station
898	138.1883	0.82107	+0.56899	Fujieda
899	142.5500	0.7224	+0.6891	Toma
900	135.9929	0.81961	+0.57104	Moriyama
901	137.0877	0.81664	+0.57525	Tajimi
902	132.2208	0.82775	+0.55922	Ootake
903	134.6610	0.81507	+0.57752	Kannabe Observatory, Albireo Station
904	135.12	0.824	+0.565	Go-Chome and Kobe-Suma
905	135.9246	0.83368	+0.55040	Nachi-Katsuura Observatory
906	145.667	0.8113	−0.5837	Cobram
907	144.9758	0.79082	−0.61001	Melbourne
908	137.2467	0.80352	+0.59330	Tsukioka Toyama
910	6.9267	0.72368	+0.68811	Caussols-ODAS
950	342.1176	0.87764	+0.47847	La Palma
954	343.5033	0.8815	+0.4713	Teide Observatory
958	358.9717	0.72421	+0.68727	Observatoire de Dax
959	1.4653	0.72596	+0.68548	Ramonville Saint Agne
960	0.6108	0.63016	+0.77387	Rolvenden
961	356.8206	0.56112	+0.82498	City Observatory, Edinburgh
962	359.8188	0.77845	+0.62561	Gandia
963	359.7333	0.6084	+0.7909	Werrington
964	358.8433	0.62471	+0.77826	Southend Bradfield
965	351.4008	0.79761	+0.60118	Observação Astronomica no Algarve, Portimão
966	357.2058	0.60960	+0.79009	Church Stretton
967	358.9778	0.61508	+0.78585	Greens Norton
968	0.4250	0.6158	+0.7853	Haverhill
969	359.8454	0.6235	+0.7792	London-Regents Park
970	0.4954	0.62045	+0.78162	Chelmsford
971	350.8140	0.78134	+0.62204	Lisbon
972	357.5833	0.54359	+0.83656	Dun Echt
973	359.67	0.622	+0.779	Harrow
974	8.9220	0.71542	+0.69637	Genoa
975	359.6333	0.77292	+0.63239	Valencia
976	358.48	0.612	+0.788	Leamington Spa
977	351.5483	0.58660	+0.80717	Markree
978	357.2454	0.58868	+0.80567	Conder Brow
979	358.6697	0.62896	+0.77485	South Wonston
980	357.2200	0.58864	+0.80570	Lancaster
981	353.3522	0.58409	+0.80898	Armagh
982	353.6621	0.59771	+0.79904	Dunsink Observatory, Dublin
983	353.7946	0.80521	+0.59101	San Fernando
984	357.26	0.631	+0.774	Eastfield
985	357.53	0.607	+0.790	Telford
986	358.75	0.624	+0.779	Ascot
987	355.37	0.586	+0.807	Archallagan Observatory
988	355.7060	0.56225	+0.82421	Glasgow
989	357.69	0.600	+0.797	Wilfred Hall Observatory, Preston
990	356.3121	0.76260	+0.64487	Madrid
991	356.9278	0.59750	+0.79919	Liverpool (since 1867)
992	356.9995	0.5973	+0.7993	Liverpool (before 1867)
993	357.50	0.631	+0.774	Woolston Observatory
994	359.39	0.629	+0.776	Godalming
995	358.4177	0.57819	+0.81319	Durham
996	358.7483	0.62025	+0.78179	Oxford
997	359.15	0.619	+0.783	Hartwell
998	359.7593	0.62226	+0.78020	London-Mill Hill
999	359.4725	0.71033	+0.70153	Bordeaux-Floirac

NEW OBSERVATORY CODES

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

Obs.	λ	$\rho\cos\phi'$	$\rho\sin\phi'$	
249				SOHO
294	285.8467	0.76031	+0.64739	Astrophysical Obs., College of Staten Island
665	240.9903	0.82215	+0.56781	Wallis Observatory
957	359.3506	0.71047	+0.70137	Merignac

CORRECTED OBSERVATIONS

The following observations correct those previously published.

Object		Date	UT	α_{2000}	δ_{2000}	Reference	Mag.	N	Obs.
1988 RO		1988 09	11.29271	23 27 01.45	+09 05 25.7	*MPC* 13666		3	675
1988 RO		1988 09	11.37943	23 26 58.78	+09 05 03.9	*MPC* 13666		3	675
1988 RA_1		1988 09	11.29271	23 23 39.42	+09 35 03.3	*MPC* 13666		5	675
1988 RA_1		1988 09	11.32726	23 23 38.15	+09 35 00.6	*MPC* 13666		5	675
1988 TG		1988 10	13.43976	01 10 56.79	+11 53 29.1	*MPC* 13815	16.0	1	675
1988 VH_5		1991 09	17.40885	00 35 16.76	+02 15 02.6	*MPC* 25489		7	675
1988 VH_5		1991 09	17.45938	00 35 13.99	+02 14 45.3	*MPC* 25489		6	675
1991 RQ_5		1991 09	17.40885	00 38 51.39	−00 09 50.6	*MPC* 25489		1	675
1991 SJ_4	*	1991 09	16.27778	22 21 02.98	−23 38 38.6	*MPC* 21524	17.2		675
1991 SJ_4		1991 09	16.32500	22 20 59.95	−23 38 12.2	*MPC* 21524		1	675

Note 1: time corrected. 2: 1988 RO = (6002). 3 = 1 + 2. 4: 1988 RA_1 = (5119). 5 = 1 + 4. 6: 1988 VH_5 = (6774). 7 = 1 + 6.

IDENTIFICATION CHANGES

Continuation to *MPC* 29337.

Object		Date	UT	α_{2000}	δ_{2000}	Originally	Mag.	Obs.
1960 UC	*	1960 10	26.35766	00 38 49.14	+00 25 48.1	2767 P-L		675
1979 SH_{15}	*	1979 09	24.96540	00 10 28.14	+05 30 54.4	1979 RN	17.0	095
1980 DG_6	*	1980 02	21.09938	10 34 41.62	+30 31 34.2	1980 BP_1	16.5	095
1984 YK_7	*	1984 12	23.01190	07 14 36.60	+22 09 19.0	1984 YA_5		010
1984 YK_7		1984 12	23.05380	07 14 34.53	+22 09 42.7	1984 YA_5		010

1987 SL_{30}	*	1987 09 27.88465	00 21 36.17	−01 41 09.2	1987 SB_{29}	16.5 V	095
1990 HK_7	*	1990 04 27.37604	15 01 07.63	−00 13 03.2	1990 HG_1		675
1990 HK_7		1990 04 27.39948	15 01 06.55	−00 13 15.6	1990 HG_1		675
1990 UO_{14}	*	1990 10 22.14306	23 37 35.03	−06 46 36.3	1990 RS_3	17.8	675
1990 UO_{14}		1990 10 22.17517	23 37 34.10	−06 46 40.1	1990 RS_3		675
1992 GH_8	*	1992 04 06.15243	10 40 01.44	+12 41 12.2	1992 DE_6		809
1994 RH_{29}	*	1994 09 03.98576	23 32 25.70	−06 37 56.8	1994 RJ_{12}		033
1997 EY_{47}	*	1997 03 06.16794	09 06 57.31	+15 16 02.5	1997 EC_{39}		704
1997 EY_{47}		1997 03 06.31327	09 06 52.40	+15 16 36.3	1997 EC_{39}		704

NUMBERING OF A PERIODIC COMET

Continuation to the list on *MPC* 27951.

130P/1991 S1 = 1997 H1 (McNaught-Hughes)

OBSERVATIONS OF COMETS

Observations are published here for the following observatory codes:

045 Vienna. 0.36-m astrograph + CCD. Observers M. Ploner and P. Jackson.
046 Kleť. 0.57-m $f/5.2$ reflector + CCD. Observers J. Tichá, M. Tichý and Z. Moravec.
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 and D. Biesecker. Measured by C. St. Cyr. Reduction by G. V. Williams.
323 Perth Observatory, Bickley. 0.3-m astrograph. Observers G. Lowe and T. Smith.
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.
402 Dynic Astronomical Observatory. 0.60-m $f/4.0$ reflector + CCD. Observer A. Sugie.
411 Oizumi. 0.41-m $f/4.3$ reflector + CCD. Observer T. Kobayashi.
557 Ondřejov. 0.65-m $f/3.6$ reflector + CCD. Observers P. Pravec and L. Šarounová.
568 Mauna Kea. 2.2-m reflector + CCD. Observers K. J. Meech, O. R. Hainaut and J. M. Bauer.
580 Graz. 0.30-m $f/2.5$ camera + CCD. Observers M. Ploner and P. Jackson.
587 Sormano. 0.5-m reflector + CCD. Observers F. Manca and M. Cavagna.
602 Technical University, Vienna. 0.28-m $f/10$ reflector + CCD. Observers M. Ploner and P. Jackson.
605 Marl. 0.2-m $f/10$ Schmidt-Cassegrain + CCD. Observer E. Jung.
611 Starkenberg. 0.2-m $f/6$ reflector + CCD. Observer F. Hormuth.
617 Arbonne la Forêt. 0.20-m $f/6$ reflector + CCD. Observer M. Meunier.
618 Martigues. 0.30-m $f/5.8$ reflector. Observers S. Morata, D. Morata.
620 Mallorca. 0.3-m $f/3.3$ reflector. Observers A. Lopez, R. Pacheco.
658 Dominion Astrophysical Observatory. Observer D. Balam. 1.82-m Plaskett telescope + CCD.
665 Frazer Park. 0.32-m $f/6$ Ritchey-Chrétien. Observer B. Wallis.
675 Palomar. 1.2-m Schmidt. Observers J. Mueller and J. D. Mendenhall. Measured by J. Mueller (reduction by G. V. Williams) and B. A. Skiff.
691 Kitt Peak. 0.91-m Spacewatch telescope. Observers T. Gehrels, J. V. Scotti, J. Montani and J. Larsen.
696 Mt. Hopkins. 1.2-m reflector + CCD. Observer C. W. Hergenrother. Measured by T. B. Spahr.
700 Chinle. 0.30-m $f/10$ Schmidt-Cassegrain + CCD. Observer J. Bruton.
709 Cloudcroft. Observer W. Offutt. 0.6-m Ritchey-Chrétien + CCD.
711 McDonald Observatory. 0.76-m reflector + CCD. Observer P. J. Shelus.
750 Fall Creek. 0.3-m $f/3.3$ reflector + CCD. Observer R. Elliott.
809 European Southern Observatory. 1.0-m Schmidt. Observer C.-I. Lagerkvist. Measured by M. Lundström. Reduction by O. Hernius.
861 Barão Geraldo. 0.20-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer P. R. Holvorcem.
864 Kumamoto. 0.41-m $f/5.0$ reflector + CCD. Observer J. Kobayashi.
867 Saji Observatory. 1.03-m $f/4.8$ reflector + CCD. Observers M. Yamanishi, A. Miyamoto, M. Aimoto and T. Oribe.
886 Susono. 0.25-m $f/6.3$ reflector + CCD. Observer M. Akiyama.
897 YGCO Chiyoda Observatory. 0.25-m $f/6.0$ reflector + CCD and 0.20-m refractor + CCD. Observer T. Kojima.
900 Moriyama. 0.25-m $f/6.3$ reflector + CCD. Observer Y. Ikari.
910 Caussols-ODAS. 0.9-m Schmidt + CCD. Observers A. Maury, D. Albanese and G. Hahn.
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.
958 Dax. 0.20-m $f/10$ Schmidt-Cassegrain + CCD. Observers P. Dupouy and J.-F. Lahitte.
959 Ramonville Saint Agne. 0.21-m $f/3.6$ reflector + CCD. Observers C. Buil and V. Desnoux.
960 Rolvenden. 0.26-m Schmidt-Cassegrain + CCD. Observer M. Armstrong.
963 Werrington. 0.28-m $f/6.3$ Schmidt-Cassegrain + CCD. Observer J. Mackey.
965 Portimão. 0.5-m reflector + CCD. Observers K. Dollery, J. Lang, N. Martin, I. Carberry, G. MacKenzie and J. Wrightson.
967 Greens Norton. 0.22-m $f/4.3$ reflector + CCD. Observer R. J. Neville.
970 Chelmsford. 0.30-m $f/5.25$ reflector + CCD. Observer N. D. James.
975 Valencia. 0.15-m $f/15$ refractor. Observers A. Lopez G., A. Flores M. and J. A. Morano F.

Object	Date	UT	α_{2000}	δ_{2000}	Mag.	N Obs.
C/1995 O1 (Hale-Bopp)						
C/1995 O1	1996 06 06.99792		19 23 16.57	−14 12 15.0		045
C/1995 O1	1996 06 07.00024		19 23 16.44	−14 12 13.7		045
C/1995 O1	1996 06 07.00165		19 23 16.36	−14 12 13.2		045
C/1995 O1	1996 06 07.00257		19 23 16.31	−14 12 12.9		045
C/1995 O1	1996 06 07.00354		19 23 16.25	−14 12 12.6		045
C/1995 O1	1996 07 18.65000		18 29 24.76	−10 08 39.6		323
C/1995 O1	1996 07 20.88828		18 26 10.70	−09 55 41.3		045
C/1995 O1	1996 07 20.89103		18 26 10.51	−09 55 38.5		045

C/1995 O1	1996 07 20.89368	18 26 10.23	−09 55 39.4		045
C/1995 O1	1996 07 20.89494	18 26 10.09	−09 55 39.2		045
C/1995 O1	1996 07 20.89596	18 26 10.05	−09 55 37.8		045
C/1995 O1	1996 07 26.50104	18 18 12.71	−09 23 41.8		323
C/1995 O1	1996 08 16.67743	17 52 00.78	−07 36 01.6		323
C/1995 O1	1997 03 18.81447	23 37 29.05	+44 40 57.1		975
C/1995 O1	1997 03 18.81811	23 37 31.58	+44 40 58.9		975
C/1995 O1	1997 03 24.81307	00 37 22.16	+45 50 07.8		975
C/1995 O1	1997 03 24.82448	00 37 28.31	+45 50 03.5		975
C/1995 O1	1997 04 23.81235	04 14 18.04	+30 38 53.9		045
C/1995 O1	1997 04 23.81293	04 14 17.90	+30 38 48.0		045
C/1995 O1	1997 04 23.81370	04 14 18.09	+30 38 45.7		045
C/1995 O1	1997 04 23.81421	04 14 18.28	+30 38 43.7		045
C/1995 O1	1997 04 23.81527	04 14 18.64	+30 38 42.1		045
C/1995 O1	1997 04 23.82126	04 14 20.15	+30 38 27.8		045
C/1995 O1	1997 04 23.82298	04 14 20.56	+30 38 24.4		045
C/1995 O1	1997 04 23.82348	04 14 20.70	+30 38 22.7		045
C/1995 O1	1997 04 23.83724	04 14 23.92	+30 37 48.5		045
C/1995 O1	1997 04 23.83778	04 14 24.16	+30 37 47.7		045
C/1995 O1	1997 04 23.83831	04 14 24.28	+30 37 47.4		045
C/1995 O1	1997 04 23.83884	04 14 24.49	+30 37 46.8		045
C/1995 O1	1997 04 23.83948	04 14 24.62	+30 37 45.6		045
C/1995 O1	1997 04 23.84023	04 14 24.84	+30 37 43.1		045
C/1995 O1	1997 05 09.44880	05 05 50.35	+21 02 21.6		360
C/1995 O1	1997 05 09.45149	05 05 50.79	+21 02 15.9		360

P/1996 A1 (Jedicke)

P/1996 A1	1997 03 05.71391	12 17 06.46	−09 54 21.6		867
P/1996 A1	1997 03 05.72086	12 17 06.25	−09 54 20.6	18.1 T	867
P/1996 A1	1997 03 05.73058	12 17 05.99	−09 54 19.3		867
P/1996 A1	1997 04 13.65083	12 00 00.21	−07 49 10.0	18.4 T	867
P/1996 A1	1997 04 13.65732	12 00 00.05	−07 49 08.8		867
P/1996 A1	1997 05 02.22382	11 54 35.31	−06 50 55.9	21.2 N	691
P/1996 A1	1997 05 02.22987	11 54 35.21	−06 50 54.8	18.9 T	691
P/1996 A1	1997 05 02.23593	11 54 35.13	−06 50 53.9	19.2 T	691
P/1996 A1	1997 05 09.55747	11 53 24.67	−06 32 32.0	18.3 T	360
P/1996 A1	1997 05 09.56510	11 53 24.66	−06 32 31.0		360

C/1996 B2 (Hyakutake)

C/1996 B2	1996 03 20.07332	14 53 18.56	−00 00 13.6		045
C/1996 B2	1996 03 20.07484	14 53 18.46	+00 00 12.5		045
C/1996 B2	1996 03 20.07687	14 53 18.33	+00 00 47.6		045
C/1996 B2	1996 03 20.07801	14 53 18.26	+00 01 07.5		045
C/1996 B2	1996 03 20.07955	14 53 18.16	+00 01 33.8		045
C/1996 B2	1996 03 20.11654	14 53 15.54	+00 12 16.3		045
C/1996 B2	1996 03 20.11795	14 53 15.44	+00 12 40.9		045
C/1996 B2	1996 03 20.11914	14 53 15.37	+00 13 01.9		045
C/1996 B2	1996 03 20.90843	14 52 24.05	+04 31 54.6		602
C/1996 B2	1996 03 20.90926	14 52 23.98	+04 32 12.4		602
C/1996 B2	1996 03 20.91101	14 52 23.84	+04 32 51.3		602
C/1996 B2	1996 03 20.91183	14 52 23.77	+04 33 09.0		602
C/1996 B2	1996 03 20.91270	14 52 23.69	+04 33 28.9		602
C/1996 B2	1996 03 21.02384	14 52 13.55	+05 15 12.0		045
C/1996 B2	1996 03 21.02496	14 52 13.44	+05 15 38.0		045
C/1996 B2	1996 03 21.02595	14 52 13.34	+05 16 00.4		045
C/1996 B2	1996 03 21.02735	14 52 13.23	+05 16 32.5		045
C/1996 B2	1996 03 21.05338	14 52 10.73	+05 26 31.5		045
C/1996 B2	1996 03 21.05420	14 52 10.66	+05 26 50.6		045
C/1996 B2	1996 03 21.05507	14 52 10.55	+05 27 11.1		045
C/1996 B2	1996 03 21.05595	14 52 10.50	+05 27 31.1		045
C/1996 B2	1996 03 21.05674	14 52 10.38	+05 27 49.2		045
C/1996 B2	1996 03 25.81145	14 18 13.56	+68 49 49.5		045
C/1996 B2	1996 03 25.81239	14 18 11.59	+68 50 49.8		045
C/1996 B2	1996 03 25.81328	14 18 09.76	+68 51 46.6		045
C/1996 B2	1996 03 25.81480	14 18 06.79	+68 53 26.3		045
C/1996 B2	1996 03 25.81589	14 18 04.49	+68 54 36.6		045
C/1996 B2	1996 03 25.81710	14 18 02.10	+68 55 54.2		045
C/1996 B2	1996 03 25.81894	14 17 58.41	+68 57 53.2		045
C/1996 B2	1996 03 25.82098	14 17 54.23	+69 00 05.5		045
C/1996 B2	1996 03 25.82241	14 17 51.37	+69 01 37.5		045
C/1996 B2	1996 03 25.82475	14 17 46.62	+69 04 08.5		045
C/1996 B2	1996 03 25.82597	14 17 43.94	+69 05 26.7		045
C/1996 B2	1996 03 25.82771	14 17 40.32	+69 07 17.6		045
C/1996 B2	1996 03 25.83315	14 17 29.15	+69 13 09.1		045
C/1996 B2	1996 03 25.83408	14 17 27.01	+69 14 08.2		045
C/1996 B2	1996 03 25.83470	14 17 25.73	+69 14 48.7		045
C/1996 B2	1996 03 25.85936	14 16 33.05	+69 41 14.3		045
C/1996 B2	1996 03 25.86095	14 16 29.49	+69 42 56.0		045
C/1996 B2	1996 03 25.90669	14 14 44.90	+70 31 37.7		045
C/1996 B2	1996 03 25.90813	14 14 41.51	+70 33 08.8		045
C/1996 B2	1996 03 25.90918	14 14 39.07	+70 34 16.0		045
C/1996 B2	1996 03 25.93605	14 13 33.33	+71 02 40.8		045
C/1996 B2	1996 03 25.93751	14 13 29.70	+71 04 13.5		045
C/1996 B2	1996 03 25.93841	14 13 27.47	+71 05 10.5		045
C/1996 B2	1996 03 25.94122	14 13 20.38	+71 08 07.3		045
C/1996 B2	1996 03 25.94237	14 13 17.42	+71 09 20.2		045
C/1996 B2	1996 03 27.89925	04 11 02.11	+79 36 33.2		045
C/1996 B2	1996 03 27.90080	04 10 54.34	+79 35 34.6		045
C/1996 B2	1996 03 27.90212	04 10 48.25	+79 34 45.6		045
C/1996 B2	1996 03 27.90285	04 10 44.77	+79 34 19.2		045
C/1996 B2	1996 03 27.90458	04 10 36.40	+79 33 15.0		045
C/1996 B2	1996 03 27.90529	04 10 33.32	+79 32 49.8		045
C/1996 B2	1996 03 27.94199	04 07 47.18	+79 10 16.3		045
C/1996 B2	1996 03 27.94297	04 07 42.88	+79 09 40.3		045
C/1996 B2	1996 03 27.94379	04 07 39.80	+79 09 11.0		045
C/1996 B2	1996 03 27.98450	04 04 51.57	+78 44 24.0		045
C/1996 B2	1996 03 27.98586	04 04 46.41	+78 43 32.9		045
C/1996 B2	1996 03 27.98733	04 04 40.18	+78 42 41.3		045
C/1996 B2	1996 03 28.83001	03 34 50.79	+71 09 50.8		580
C/1996 B2	1996 03 28.83418	03 34 46.13	+71 07 51.3		580
C/1996 B2	1996 03 28.83755	03 34 42.40	+71 06 15.2		580
C/1996 B2	1996 04 17.78724	02 53 56.95	+35 16 24.2		580
C/1996 B2	1996 04 17.78927	02 53 56.77	+35 16 19.5		580
C/1996 B2	1996 04 17.79082	02 53 56.70	+35 16 17.5		580
C/1996 B2	1996 04 17.80158	02 53 55.74	+35 15 50.4		580

C/1996 B2	1996 04 17.80401	02 53 55.54	+35 15 46.0			580
C/1996 B2	1996 04 17.80496	02 53 55.61	+35 15 44.9			580
C/1996 B2	1996 04 18.78559	02 52 33.31	+34 38 35.7			580
C/1996 B2	1996 04 18.78741	02 52 33.15	+34 38 29.8			580
C/1996 B2	1996 04 18.78880	02 52 33.12	+34 38 29.8			580
C/1996 B2	1996 04 18.79110	02 52 32.92	+34 38 23.4			580
C/1996 B2	1996 04 18.79304	02 52 32.70	+34 38 18.2			580
C/1996 B2	1996 04 18.80169	02 52 31.91	+34 37 57.3			580
C/1996 B2	1996 04 18.80308	02 52 31.71	+34 37 52.2			580
C/1996 B2	1996 04 19.78852	02 51 03.60	+33 59 36.2			580
C/1996 B2	1996 04 19.79548	02 51 03.06	+33 59 19.8			580
C/1996 B2	1996 04 19.79897	02 51 02.74	+33 59 13.2			580
C/1996 B2	1996 04 19.80311	02 51 02.45	+33 59 02.9			580
C/1996 B2	1996 04 20.78803	02 49 28.13	+33 19 21.3			580
C/1996 B2	1996 04 20.79156	02 49 27.78	+33 19 09.4			580
C/1996 B2	1996 04 20.79504	02 49 27.52	+33 19 02.9			580
C/1996 B2	1996 04 20.79868	02 49 27.06	+33 18 52.9			580
C/1996 B2	1996 04 20.80206	02 49 26.80	+33 18 45.5			580
C/1996 B2	1996 04 21.79166	02 47 45.58	+32 36 53.9			580
C/1996 B2	1996 04 21.79521	02 47 45.40	+32 36 46.7			580
C/1996 B2	1996 04 21.79980	02 47 44.88	+32 36 33.2			580
C/1996 B2	1996 04 21.80207	02 47 44.61	+32 36 26.3			580
C/1996 B2	1996 04 21.80563	02 47 44.32	+32 36 18.2			580
C/1996 B2	1996 04 22.78882	02 45 57.02	+31 52 11.1			580
C/1996 B2	1996 04 22.79199	02 45 56.57	+31 52 01.7			580
C/1996 B2	1996 04 22.79514	02 45 56.25	+31 51 52.6			580
C/1996 B2	1996 04 22.79848	02 45 55.77	+31 51 40.3			580
C/1996 B2	1996 04 22.80206	02 45 55.38	+31 51 31.9			580
C/1996 B2	1996 07 09.91736	06 31 19.61	−64 35 17.9			323
C/1996 B2	1996 07 26.47014	09 01 58.02	−69 59 45.8			323

C/1996 J1 (Evans-Drinkwater)

C/1996 J1-A	1997 05 05.79638	01 03 01.47	+24 02 44.0			864
C/1996 J1-B	1997 05 05.79638	01 03 06.84	+24 03 12.1			864
C/1996 J1-A	1997 05 05.80864	01 03 02.83	+24 02 55.8	9.8 T		864
C/1996 J1-B	1997 05 05.80864	01 03 08.40	+24 03 21.3	12.9 T		864
C/1996 J1-A	1997 05 05.81028	01 03 02.95	+24 02 57.2			864
C/1996 J1-B	1997 05 05.81028	01 03 08.73	+24 03 22.4			864
C/1996 J1-A	1997 05 09.77902	01 10 35.86	+24 56 10.0	12.6 T		402
C/1996 J1-B	1997 05 09.77902	01 10 41.55	+24 56 35.4	13.7 T		402
C/1996 J1-A	1997 05 09.78110	01 10 36.09	+24 56 12.5			402
C/1996 J1-B	1997 05 09.78110	01 10 41.81	+24 56 37.4			402
C/1996 J1-A	1997 05 09.78318	01 10 36.31	+24 56 13.9			402
C/1996 J1-B	1997 05 09.78318	01 10 42.02	+24 56 39.6			402
C/1996 J1-A	1997 05 09.78527	01 10 36.68	+24 56 14.1			402
C/1996 J1-B	1997 05 09.78527	01 10 42.34	+24 56 40.2			402
C/1996 J1-A	1997 05 09.80033	01 10 38.17	+24 56 27.1	12.1 T		864
C/1996 J1-B	1997 05 09.80033	01 10 44.05	+24 56 53.6	13.9 T		864
C/1996 J1-A	1997 05 09.80838	01 10 39.07	+24 56 33.6			864
C/1996 J1-B	1997 05 09.80838	01 10 44.88	+24 56 59.0			864
C/1996 J1-A	1997 05 09.81152	01 10 39.55	+24 56 36.7			864
C/1996 J1-B	1997 05 09.81152	01 10 45.31	+24 57 01.5			864
C/1996 J1-B	1997 05 17.07514	01 24 06.84	+26 29 32.5		1	118
C/1996 J1-A	1997 05 17.07642	01 24 00.85	+26 29 09.5		2	118
C/1996 J1-A	1997 05 17.07764	01 24 00.93	+26 29 10.0		2	118
C/1996 J1-B	1997 05 17.07764	01 24 07.11	+26 29 34.2		1	118
C/1996 J1-A	1997 05 17.08118	01 24 01.35	+26 29 12.2	14.7 T	2	118
C/1996 J1-B	1997 05 17.08240	01 24 07.63	+26 29 37.2	15.7 T	1	118
C/1996 J1-A	1997 05 17.77073	01 25 15.60	+26 37 40.8	13.0 T		402
C/1996 J1-B	1997 05 17.77073	01 25 21.68	+26 38 04.6	13.6 T		402
C/1996 J1-A	1997 05 17.77231	01 25 15.76	+26 37 42.1			402
C/1996 J1-B	1997 05 17.77231	01 25 21.90	+26 38 05.2			402
C/1996 J1-A	1997 05 17.77390	01 25 15.93	+26 37 43.7			402
C/1996 J1-B	1997 05 17.77390	01 25 22.05	+26 38 07.2			402
C/1996 J1-B	1997 05 18.06741	01 25 53.57	+26 41 42.0			118
C/1996 J1-A	1997 05 18.06865	01 25 47.61	+26 41 18.3			118
C/1996 J1-A	1997 05 18.06993	01 25 47.75	+26 41 19.2			118
C/1996 J1-B	1997 05 18.07116	01 25 53.95	+26 41 44.4			118
C/1996 J1-A	1997 05 18.07245	01 25 48.01	+26 41 21.9			118
C/1996 J1-B	1997 05 18.07245	01 25 54.13	+26 41 45.9			118
C/1996 J1-A	1997 05 18.07715	01 25 48.50	+26 41 24.8	14.3 T		118
C/1996 J1-B	1997 05 18.07715	01 25 54.61	+26 41 48.9	14.2 T		118
C/1996 J1-A	1997 05 18.35396	01 26 18.06	+26 44 51.3	14.1 T		861
C/1996 J1-B	1997 05 18.35396	01 26 24.27	+26 45 15.0	14.5 T		861
C/1996 J1-A	1997 05 18.35752	01 26 18.50	+26 44 55.0			861
C/1996 J1-B	1997 05 18.35752	01 26 24.77	+26 45 17.5	14.6 T		861

C/1996 Q2 (SOHO)

C/1996 Q2	1996 08 20.93331	09 34 51.3	+10 17 20		249
Geocentric position (AU)	−0.00575004	−0.00642806	−0.00330312		
C/1996 Q2	1996 08 20.98628	09 35 42.4	+10 19 32		249
Geocentric position (AU)	−0.00575881	−0.00641687	−0.00329967		
C/1996 Q2	1996 08 21.07309	09 37 12.6	+10 23 44		249
Geocentric position (AU)	−0.00577304	−0.00639866	−0.00329406		
C/1996 Q2	1996 08 21.15990	09 38 43.9	+10 28 44		249
Geocentric position (AU)	−0.00578615	−0.00638183	−0.00328885		
C/1996 Q2	1996 08 21.20852	09 39 36.3	+10 31 01		249
Geocentric position (AU)	−0.00579379	−0.00637199	−0.00328581		
C/1996 Q2	1996 08 21.36030	09 42 27.8	+10 39 21		249
Geocentric position (AU)	−0.00581775	−0.00634101	−0.00327620		
C/1996 Q2	1996 08 21.42295	09 43 41.1	+10 43 16		249
Geocentric position (AU)	−0.00582753	−0.00632830	−0.00327224		
C/1996 Q2	1996 08 21.48531	09 44 57.2	+10 47 09		249
Geocentric position (AU)	−0.00583731	−0.00631558	−0.00326828		
C/1996 Q2	1996 08 21.52698	09 45 49.8	+10 49 14		249
Geocentric position (AU)	−0.00584381	−0.00630709	−0.00326564		
C/1996 Q2	1996 08 21.56654	09 46 38.3	+10 52 01		249
Geocentric position (AU)	−0.00585032	−0.00629859	−0.00326298		
C/1996 Q2	1996 08 21.61031	09 47 36.4	+10 54 44		249
Geocentric position (AU)	−0.00585681	−0.00629009	−0.00326033		
C/1996 Q2	1996 08 21.65260	09 48 32.3	+10 57 41		249
Geocentric position (AU)	−0.00586330	−0.00628158	−0.00325767		
C/1996 Q2	1996 08 21.87029	09 53 53.8	+11 13 32		249
Geocentric position (AU)	−0.00589676	−0.00623748	−0.00324384		
C/1996 Q2	1996 08 21.95071	09 56 12.4	+11 20 10		249
Geocentric position (AU)	−0.00590967	−0.00622035	−0.00323845		

C/1996 Q2	1996 08 21.99360	09 57 35.2	+11 24 48		249
Geocentric position (AU)	−0.00591612	−0.00621178	−0.00323575		
C/1996 Q2	1996 08 22.08416	10 01 03.5	+11 32 25		249
Geocentric position (AU)	−0.00593008	−0.00619318	−0.00322989		

C/1996 Q3 (SOHO)

C/1996 Q3	1996 08 30.07309	10 14 14.8	+07 49 12		249
Geocentric position (AU)	−0.00707412	−0.00442432	−0.00262278		
C/1996 Q3	1996 08 30.15991	10 15 22.6	+07 51 06		249
Geocentric position (AU)	−0.00708515	−0.00440457	−0.00261549		
C/1996 Q3	1996 08 30.20851	10 16 25.6	+07 53 42		249
Geocentric position (AU)	−0.00709158	−0.00439303	−0.00261123		
C/1996 Q3	1996 08 30.31267	10 18 44.3	+07 59 00		249
Geocentric position (AU)	−0.00710532	−0.00436828	−0.00260207		
C/1996 Q3	1996 08 30.36060	10 19 51.4	+08 01 28		249
Geocentric position (AU)	−0.00711173	−0.00435671	−0.00259779		
C/1996 Q3	1996 08 30.40646	10 20 58.0	+08 03 49		249
Geocentric position (AU)	−0.00711812	−0.00434513	−0.00259350		
C/1996 Q3	1996 08 30.48534	10 22 55.6	+08 08 32		249
Geocentric position (AU)	−0.00712816	−0.00432692	−0.00258674		
C/1996 Q3	1996 08 30.52741	10 23 59.6	+08 10 39		249
Geocentric position (AU)	−0.00713363	−0.00431697	−0.00258304		
C/1996 Q3	1996 08 30.56650	10 25 02.2	+08 12 55		249
Geocentric position (AU)	−0.00713909	−0.00430701	−0.00257934		
C/1996 Q3	1996 08 30.58193	10 25 26.1	+08 14 04		249
Geocentric position (AU)	−0.00714091	−0.00430369	−0.00257811		
C/1996 Q3	1996 08 30.58959	10 25 40.8	+08 15 02		249
Geocentric position (AU)	−0.00714182	−0.00430203	−0.00257749		

P/1996 R2 (Lagerkvist)

P/1996 R2	1996 09 10.11667	22 35 48.83	−12 40 41.1	3	809
P/1996 R2	1996 09 12.10764	22 34 29.94	−12 46 34.2		809

C/1996 S3 (SOHO)

C/1996 S3	1996 09 22.26456	11 28 30.2	−01 32 01		249
Geocentric position (AU)	−0.00846990	−0.00185871	−0.00008405		
C/1996 S3	1996 09 22.27889	11 28 46.4	−01 31 33		249
Geocentric position (AU)	−0.00846949	−0.00186235	−0.00008584		
C/1996 S3	1996 09 22.33207	11 29 49.2	−01 29 49		249
Geocentric position (AU)	−0.00846783	−0.00187689	−0.00009300		
C/1996 S3	1996 09 22.40434	11 31 13.8	−01 27 17		249
Geocentric position (AU)	−0.00846573	−0.00189505	−0.00010194		
C/1996 S3	1996 09 22.43559	11 31 52.1	−01 26 16		249
Geocentric position (AU)	−0.00846467	−0.00190411	−0.00010641		
C/1996 S3	1996 09 22.46684	11 32 29.5	−01 25 47		249
Geocentric position (AU)	−0.00846381	−0.00191137	−0.00010998		
C/1996 S3	1996 09 22.49115	11 32 59.3	−01 25 00		249
Geocentric position (AU)	−0.00846295	−0.00191861	−0.00011355		
C/1996 S3	1996 09 22.53630	11 33 53.5	−01 23 16		249
Geocentric position (AU)	−0.00846165	−0.00192948	−0.00011891		
C/1996 S3	1996 09 22.55573	11 34 18.7	−01 22 31		249
Geocentric position (AU)	−0.00846100	−0.00193491	−0.00012159		
C/1996 S3	1996 09 22.59462	11 35 07.8	−01 21 06		249
Geocentric position (AU)	−0.00845969	−0.00194576	−0.00012695		
C/1996 S3	1996 09 22.63351	11 35 56.1	−01 20 07		249
Geocentric position (AU)	−0.00845859	−0.00195480	−0.00013141		
C/1996 S3	1996 09 22.65206	11 36 20.0	−01 19 26		249
Geocentric position (AU)	−0.00845792	−0.00196021	−0.00013409		
C/1996 S3	1996 09 22.68331	11 36 59.9	−01 18 03		249
Geocentric position (AU)	−0.00845703	−0.00196744	−0.00013766		
C/1996 S3	1996 09 22.71453	11 37 41.2	−01 16 50		249
Geocentric position (AU)	−0.00845592	−0.00197646	−0.00014212		
C/1996 S3	1996 09 22.74578	11 38 21.1	−01 15 27		249
Geocentric position (AU)	−0.00845502	−0.00198367	−0.00014569		
C/1996 S3	1996 09 22.76664	11 38 54.5	−01 14 13		249
Geocentric position (AU)	−0.00845434	−0.00198908	−0.00014837		
C/1996 S3	1996 09 22.79399	11 39 25.5	−01 13 56		249
Geocentric position (AU)	−0.00845343	−0.00199629	−0.00015194		
C/1996 S3	1996 09 22.80844	11 39 44.1	−01 13 18		249
Geocentric position (AU)	−0.00845298	−0.00199989	−0.00015372		
C/1996 S3	1996 09 22.93079	11 42 33.4	−01 08 09		249
Geocentric position (AU)	−0.00844883	−0.00203227	−0.00016977		
C/1996 S3	1996 09 23.01853	11 44 39.9	−01 04 14		249
Geocentric position (AU)	−0.00844578	−0.00205562	−0.00018138		
C/1996 S3	1996 09 23.09529	11 46 33.9	−01 00 29		249
Geocentric position (AU)	−0.00844317	−0.00207534	−0.00019117		
C/1996 S3	1996 09 23.18890	11 48 59.8	−00 55 12		249
Geocentric position (AU)	−0.00844004	−0.00209861	−0.00020274		
C/1996 S3	1996 09 23.21067	11 49 35.0	−00 53 48		249
Geocentric position (AU)	−0.00843931	−0.00210397	−0.00020541		
C/1996 S3	1996 09 23.30400	11 52 14.6	−00 48 20		249
Geocentric position (AU)	−0.00843588	−0.00212897	−0.00021787		
C/1996 S3	1996 09 23.35389	11 53 43.8	−00 44 59		249
Geocentric position (AU)	−0.00843415	−0.00214146	−0.00022409		
C/1996 S3	1996 09 23.38547	11 54 42.6	−00 42 32		249
Geocentric position (AU)	−0.00843290	−0.00215037	−0.00022854		
C/1996 S3	1996 09 23.43497	11 56 44.4	−00 37 49		249
Geocentric position (AU)	−0.00843115	−0.00216283	−0.00023476		
C/1996 S3	1996 09 23.47161	11 57 56.5	−00 34 39		249
Geocentric position (AU)	−0.00842989	−0.00217173	−0.00023920		
C/1996 S3	1996 09 23.51272	11 59 28.4	−00 30 36		249
Geocentric position (AU)	−0.00842836	−0.00218240	−0.00024453		

C/1996 Y1 (SOHO)

C/1996 Y1	1996 12 22.49017	18 12 56.1	−26 21 19		249
Geocentric position (AU)	−0.00189715	−0.00953458	−0.00502181		
C/1996 Y1	1996 12 22.52494	18 13 04.9	−26 13 40		249
Geocentric position (AU)	−0.00189544	−0.00953472	−0.00502142		
C/1996 Y1	1996 12 22.55976	18 13 05.5	−26 06 49		249
Geocentric position (AU)	−0.00189372	−0.00953486	−0.00502103		
C/1996 Y1	1996 12 22.59491	18 13 08.4	−26 02 43		249
Geocentric position (AU)	−0.00189200	−0.00953500	−0.00502064		
C/1996 Y1	1996 12 22.62969	18 13 09.3	−25 55 47		249
Geocentric position (AU)	−0.00189029	−0.00953514	−0.00502025		
C/1996 Y1	1996 12 22.87253	18 13 19.1	−25 03 05		249
Geocentric position (AU)	−0.00187821	−0.00953616	−0.00501749		

C/1996 Y1	1996 12 22.90737	18 13 17.1	−24 54 02		249
Geocentric position (AU)	−0.00187647	−0.00953631	−0.00501709		
C/1996 Y1	1996 12 22.94213	18 13 13.8	−24 46 02		249
Geocentric position (AU)	−0.00187474	−0.00953646	−0.00501670		
C/1996 Y1	1996 12 22.97687	18 13 10.6	−24 37 51		249
Geocentric position (AU)	−0.00187300	−0.00953662	−0.00501630		
C/1996 Y1	1996 12 23.02406	18 12 45.0	−24 21 29		249
Geocentric position (AU)	−0.00187092	−0.00953681	−0.00501582		
C/1996 Y1	1996 12 23.03850	18 12 43.4	−24 17 58		249
Geocentric position (AU)	−0.00186987	−0.00953690	−0.00501558		
C/1996 Y1	1996 12 23.04678	18 12 52.9	−24 19 25		249
Geocentric position (AU)	−0.00186952	−0.00953693	−0.00501550		
C/1996 Y1	1996 12 23.05882	18 12 36.8	−24 13 10		249
Geocentric position (AU)	−0.00186917	−0.00953696	−0.00501542		
C/1996 Y1	1996 12 23.07325	18 12 34.1	−24 09 18		249
Geocentric position (AU)	−0.00186813	−0.00953706	−0.00501518		
C/1996 Y1	1996 12 23.08152	18 12 42.8	−24 08 19		249
Geocentric position (AU)	−0.00186778	−0.00953709	−0.00501510		
C/1996 Y1	1996 12 23.09356	18 12 25.3	−24 04 05		249
Geocentric position (AU)	−0.00186743	−0.00953712	−0.00501502		
C/1996 Y1	1996 12 23.10799	18 12 21.6	−24 00 18		249
Geocentric position (AU)	−0.00186639	−0.00953722	−0.00501478		
C/1996 Y1	1996 12 23.11627	18 12 27.7	−23 58 49		249
Geocentric position (AU)	−0.00186604	−0.00953725	−0.00501470		
C/1996 Y1	1996 12 23.12834	18 12 10.4	−23 54 40		249
Geocentric position (AU)	−0.00186569	−0.00953728	−0.00501462		
C/1996 Y1	1996 12 23.14278	18 12 04.0	−23 50 16		249
Geocentric position (AU)	−0.00186464	−0.00953738	−0.00501438		
C/1996 Y1	1996 12 23.15104	18 12 05.0	−23 48 16		249
Geocentric position (AU)	−0.00186429	−0.00953741	−0.00501430		
C/1996 Y1	1996 12 23.16311	18 11 48.8	−23 44 14		249
Geocentric position (AU)	−0.00186394	−0.00953745	−0.00501422		
C/1996 Y1	1996 12 23.17753	18 11 38.1	−23 39 41		249
Geocentric position (AU)	−0.00186289	−0.00953754	−0.00501398		
C/1996 Y1	1996 12 23.19785	18 11 13.9	−23 32 59		249
Geocentric position (AU)	−0.00186219	−0.00953761	−0.00501382		
C/1996 Y1	1996 12 23.21230	18 10 57.4	−23 28 11		249
Geocentric position (AU)	−0.00186114	−0.00953771	−0.00501358		
C/1996 Y1	1996 12 23.23263	18 10 42.9	−23 24 03		249
Geocentric position (AU)	−0.00186044	−0.00953777	−0.00501342		

P/1997 B1 (Kobayashi)

P/1997 B1	1997 03 31.59551	09 39 35.05	+08 01 08.2			867
P/1997 B1	1997 03 31.60211	09 39 35.16	+08 01 04.7	16.9	T	867
P/1997 B1	1997 03 31.60836	09 39 35.27	+08 01 01.3			867
P/1997 B1	1997 04 10.44887	09 44 20.08	+06 32 14.1			411
P/1997 B1	1997 04 10.47386	09 44 20.96	+06 32 00.4			411
P/1997 B1	1997 04 10.49888	09 44 21.86	+06 31 46.5			411
P/1997 B1	1997 04 24.51255	09 55 24.74	+04 23 26.7	17.6	T	402
P/1997 B1	1997 04 24.51532	09 55 24.89	+04 23 25.7			402
P/1997 B1	1997 04 24.51810	09 55 25.11	+04 23 24.1			402
P/1997 B1	1997 04 29.54097	10 00 23.88	+03 36 39.3	17.6	T	360
P/1997 B1	1997 04 29.54583	10 00 24.22	+03 36 36.6			360
P/1997 B1	1997 05 01.85988	10 02 51.31	+03 14 52.3			118
P/1997 B1	1997 05 01.87377	10 02 52.14	+03 14 45.1	17.0	T	118
P/1997 B1	1997 05 04.48043	10 05 44.39	+02 50 09.4			411
P/1997 B1	1997 05 04.50677	10 05 46.14	+02 49 53.8	18.7	T	402
P/1997 B1	1997 05 04.50955	10 05 46.42	+02 49 53.5			402
P/1997 B1	1997 05 04.51233	10 05 46.55	+02 49 52.2			402

C/1997 BA$_6$ (Spacewatch)

C/1997 BA$_6$	1997 03 05.68787	09 07 26.43	+12 58 38.5			867
C/1997 BA$_6$	1997 03 05.69516	09 07 26.26	+12 58 38.8			867
C/1997 BA$_6$	1997 03 05.70176	09 07 26.11	+12 58 38.9	19.5	T	867
C/1997 BA$_6$	1997 03 31.57641	08 58 06.45	+12 50 28.6	19.0	T	867
C/1997 BA$_6$	1997 03 31.58232	08 58 06.33	+12 50 28.4			867
C/1997 BA$_6$	1997 03 31.58822	08 58 06.31	+12 50 27.6			867
C/1997 BA$_6$	1997 05 04.47604	08 53 28.97	+12 14 29.0	19.5	T	4 360
C/1997 BA$_6$	1997 05 04.53611	08 53 28.88	+12 14 24.5			4 360
C/1997 BA$_6$	1997 05 04.54236	08 53 28.97	+12 14 23.6			4 360

P/1997 C1 (Gehrels)

P/1997 C1	1997 03 05.66113	08 55 48.83	+13 36 13.6	18.3	T	867
P/1997 C1	1997 03 05.66773	08 55 48.68	+13 36 14.5			867
P/1997 C1	1997 03 05.67433	08 55 48.53	+13 36 15.1			867
P/1997 C1	1997 03 31.55384	08 51 51.74	+14 10 53.2			867
P/1997 C1	1997 03 31.56009	08 51 51.73	+14 10 54.1	18.6	T	867
P/1997 C1	1997 03 31.56843	08 51 51.73	+14 10 54.5			867
P/1997 C1	1997 05 01.19223	08 59 39.00	+14 01 20.4	21.6	N	691
P/1997 C1	1997 05 01.20830	08 59 39.43	+14 01 19.7	19.8	T	691
P/1997 C1	1997 05 04.50868	09 01 12.04	+13 57 01.5	19.5	T	4 360
P/1997 C1	1997 05 04.51406	09 01 12.20	+13 57 00.4			4 360
P/1997 C1	1997 05 04.51927	09 01 12.26	+13 57 00.0			4 360

C/1997 D1 (Mueller)

C/1997 D1	1997 03 19.92288	11 00 36.83	+54 13 23.1			965
C/1997 D1	1997 03 19.92583	11 00 36.06	+54 13 23.5			965
C/1997 D1	1997 03 19.93719	11 00 33.22	+54 13 26.7			965
C/1997 D1	1997 03 19.94014	11 00 32.34	+54 13 27.5			965
C/1997 D1	1997 03 19.94581	11 00 30.92	+54 13 29.3			965
C/1997 D1	1997 03 19.94876	11 00 30.20	+54 13 29.9			965
C/1997 D1	1997 04 04.05852	09 59 38.25	+53 48 12.3	14.8	T	861
C/1997 D1	1997 04 04.06648	09 59 36.46	+53 48 08.9	14.7	T	861
C/1997 D1	1997 04 17.23152	09 18 25.05	+51 30 02.8	15.5	T	700
C/1997 D1	1997 04 17.24146	09 18 23.61	+51 29 55.2	14.8	T	700
C/1997 D1	1997 04 17.27867	09 18 17.66	+51 29 26.0	14.8	T	700
C/1997 D1	1997 04 17.88773	09 16 43.62	+51 21 28.4			587
C/1997 D1	1997 04 17.89546	09 16 42.42	+51 21 22.1			587
C/1997 D1	1997 04 22.58319	09 05 36.22	+50 17 20.1	14.0	T	886
C/1997 D1	1997 04 22.59309	09 05 34.67	+50 17 10.0			886
C/1997 D1	1997 04 23.54596	09 03 31.55	+50 03 41.8			886
C/1997 D1	1997 04 23.55285	09 03 30.56	+50 03 34.1			886
C/1997 D1	1997 04 23.84532	09 02 53.64	+49 59 23.8	15.2	T	605
C/1997 D1	1997 04 23.86491	09 02 51.20	+49 59 06.9	15.2	T	605
C/1997 D1	1997 04 23.96685	09 02 38.29	+49 57 38.2			5 118
C/1997 D1	1997 04 23.96922	09 02 37.98	+49 57 36.2			5 118
C/1997 D1	1997 04 23.97134	09 02 37.74	+49 57 34.4			5 118

C/1997 D1	1997 04 24.52691	09 01 28.62	+49 49 37.4	14.1 T		402
C/1997 D1	1997 04 24.52969	09 01 28.28	+49 49 34.9			402
C/1997 D1	1997 04 24.53246	09 01 27.94	+49 49 32.6			402
C/1997 D1	1997 04 25.02884	09 00 27.41	+49 42 21.2			118
C/1997 D1	1997 04 25.03123	09 00 27.08	+49 42 19.2		5	118
C/1997 D1	1997 04 25.03259	09 00 26.96	+49 42 18.1			118
C/1997 D1	1997 04 25.03638	09 00 26.52	+49 42 14.3		6	118
C/1997 D1	1997 04 25.03827	09 00 26.29	+49 42 13.1		6	118
C/1997 D1	1997 04 29.96369	08 51 19.79	+48 29 57.6			118
C/1997 D1	1997 04 29.97987	08 51 18.15	+48 29 42.9			118
C/1997 D1	1997 05 01.57459	08 48 41.62	+48 06 00.3	14.6 T		402
C/1997 D1	1997 05 01.57737	08 48 41.30	+48 05 57.6			402
C/1997 D1	1997 05 01.58015	08 48 41.06	+48 05 55.1			402
C/1997 D1	1997 05 02.17289	08 47 45.53	+47 57 05.7	14.2 T		700
C/1997 D1	1997 05 02.19352	08 47 43.51	+47 56 48.2	14.3 T		700
C/1997 D1	1997 05 03.13609	08 46 17.33	+47 42 42.5	14.7 T		700
C/1997 D1	1997 05 03.16069	08 46 15.16	+47 42 20.7	14.5 T		700
C/1997 D1	1997 05 03.16831	08 46 14.58	+47 42 14.4	15.1 T		700
C/1997 D1	1997 05 03.17601	08 46 13.82	+47 42 06.6	15.6 T		700
C/1997 D1	1997 05 04.03417	08 44 58.19	+47 29 13.8			118
C/1997 D1	1997 05 04.04111	08 44 57.59	+47 29 07.5	15.0 T		118
C/1997 D1	1997 05 04.54861	08 44 14.04	+47 21 34.3	14.9 T		360
C/1997 D1	1997 05 04.55139	08 44 13.80	+47 21 32.0			360
C/1997 D1	1997 05 07.91953	08 39 46.88	+46 31 10.7			970
C/1997 D1	1997 05 10.87125	08 36 21.67	+45 47 18.7	15.4 T		118
C/1997 D1	1997 05 10.87276	08 36 21.55	+45 47 17.8			118
C/1997 D1	1997 05 11.81951	08 35 21.08	+45 33 18.7	15.0 T		046
C/1997 D1	1997 05 11.82285	08 35 20.87	+45 33 15.3			046
C/1997 D1	1997 05 11.82429	08 35 20.75	+45 33 13.8			046
C/1997 D1	1997 05 11.87124	08 35 17.94	+45 32 32.3	15.6 T		118
C/1997 D1	1997 05 11.87256	08 35 17.86	+45 32 31.3			118
C/1997 D1	1997 05 11.87422	08 35 17.73	+45 32 29.5			118
C/1997 D1	1997 05 11.87741	08 35 17.52	+45 32 27.8			970
C/1997 D1	1997 05 11.87983	08 35 17.30	+45 32 25.1			970
C/1997 D1	1997 05 11.88088	08 35 17.32	+45 32 23.1			970
C/1997 D1	1997 05 11.88194	08 35 17.20	+45 32 22.3			970
C/1997 D1	1997 05 11.88301	08 35 17.10	+45 32 21.6			970
C/1997 D1	1997 05 11.88406	08 35 17.10	+45 32 20.4			970
C/1997 D1	1997 05 11.88611	08 35 16.93	+45 32 19.2			970
C/1997 D1	1997 05 16.90377	08 30 36.58	+44 19 01.1			118
C/1997 D1	1997 05 16.91620	08 30 35.95	+44 18 50.3	14.9 T		118
C/1997 D1	1997 05 17.93316	08 29 46.72	+44 04 10.2			118
C/1997 D1	1997 05 17.94235	08 29 46.27	+44 04 02.0	15.2 T		118
C/1997 D1	1997 05 19.89679	08 28 18.15	+43 36 06.5			046
C/1997 D1	1997 05 19.90057	08 28 17.95	+43 36 03.5			046
C/1997 D1	1997 05 19.90367	08 28 17.78	+43 36 00.4			046

P/1997 G1 (Montani)

P/1997 G1	1997 04 24.47741	07 26 25.29	+19 39 41.9	18.3 T		402
P/1997 G1	1997 04 24.48088	07 26 25.37	+19 39 39.2			402
P/1997 G1	1997 04 24.48435	07 26 25.60	+19 39 40.3			402
P/1997 G1	1997 04 24.82988	07 26 41.44	+19 39 04.9		6	046
P/1997 G1	1997 04 24.83815	07 26 41.74	+19 39 04.1		6	046
P/1997 G1	1997 04 27.45965	07 28 42.63	+19 34 50.9	18.2 T		402
P/1997 G1	1997 04 27.46313	07 28 42.87	+19 34 49.3			402
P/1997 G1	1997 04 27.46660	07 28 43.06	+19 34 49.9			402
P/1997 G1	1997 05 01.15964	07 31 40.37	+19 28 20.5	19.3 T		691
P/1997 G1	1997 05 01.16687	07 31 40.73	+19 28 19.9	19.1 T		691
P/1997 G1	1997 05 01.17349	07 31 41.13	+19 28 19.3	19.5 T		691
P/1997 G1	1997 05 01.82258	07 32 13.14	+19 27 09.8		6	046
P/1997 G1	1997 05 01.82689	07 32 13.35	+19 27 08.5		6	046
P/1997 G1	1997 05 14.14013	07 43 00.69	+19 01 28.4	19.8 T		696
P/1997 G1	1997 05 14.14413	07 43 00.86	+19 01 28.0			696
P/1997 G1	1997 05 14.14806	07 43 01.13	+19 01 27.4	19.6 T		696
P/1997 G1	1997 05 14.15904	07 43 01.46	+19 01 24.4			691
P/1997 G1	1997 05 14.16640	07 43 01.91	+19 01 24.6	18.8 T		691
P/1997 G1	1997 05 14.17210	07 43 02.35	+19 01 24.7	19.5 T		691
P/1997 G1	1997 05 14.17780	07 43 02.63	+19 01 23.8	19.0 T		691
P/1997 G1	1997 05 19.87373	07 48 25.33	+18 47 27.8		7	046

C/1997 G2 (Montani)

C/1997 G2	1997 04 21.45076	15 53 52.76	−08 32 31.5			658
C/1997 G2	1997 04 21.45978	15 53 52.31	−08 32 33.1			658
C/1997 G2	1997 04 21.46586	15 53 52.05	−08 32 34.9			658
C/1997 G2	1997 04 22.45360	15 53 04.26	−08 36 40.4			658
C/1997 G2	1997 04 22.45738	15 53 04.10	−08 36 41.3			658
C/1997 G2	1997 04 22.46233	15 53 03.76	−08 36 43.7			658
C/1997 G2	1997 04 29.68698	15 46 48.70	−09 08 03.7	17.8 T		360
C/1997 G2	1997 04 29.69184	15 46 48.44	−09 08 05.2			360
C/1997 G2	1997 04 29.69688	15 46 48.11	−09 08 06.4			360
C/1997 G2	1997 05 01.91433	15 44 44.76	−09 18 16.1	18.5 T		046
C/1997 G2	1997 05 01.91647	15 44 44.68	−09 18 16.6			046
C/1997 G2	1997 05 01.92009	15 44 44.45	−09 18 18.1			046
C/1997 G2	1997 05 01.92470	15 44 44.20	−09 18 18.5			046
C/1997 G2	1997 05 03.37483	15 43 21.41	−09 25 04.6	20.0 N		691
C/1997 G2	1997 05 03.41123	15 43 19.27	−09 25 14.9	17.7 T		691
C/1997 G2	1997 05 03.43369	15 43 17.96	−09 25 21.4	17.7 T		691
C/1997 G2	1997 05 03.90041	15 42 51.30	−09 27 32.2			104
C/1997 G2	1997 05 03.90486	15 42 51.03	−09 27 33.6			104
C/1997 G2	1997 05 03.90938	15 42 50.80	−09 27 34.9			104
C/1997 G2	1997 05 04.00177	15 42 45.34	−09 28 02.8			557
C/1997 G2	1997 05 04.00778	15 42 44.96	−09 28 04.2	18.5 N		557
C/1997 G2	1997 05 04.01082	15 42 44.81	−09 28 05.5	18.0 T		557
C/1997 G2	1997 05 04.97260	15 41 48.90	−09 32 39.9	18.0 T		046
C/1997 G2	1997 05 04.97453	15 41 48.79	−09 32 41.4			046
C/1997 G2	1997 05 04.97692	15 41 48.62	−09 32 41.9			046
C/1997 G2	1997 05 05.06111	15 41 43.61	−09 33 06.1			118
C/1997 G2	1997 05 05.07016	15 41 43.03	−09 33 09.0	18.5 T		118
C/1997 G2	1997 05 06.64389	15 40 10.26	−09 40 44.2	18.3 T		402
C/1997 G2	1997 05 06.64806	15 40 10.00	−09 40 45.5			402
C/1997 G2	1997 05 06.65222	15 40 09.75	−09 40 46.9			402
C/1997 G2	1997 05 09.60462	15 37 11.82	−09 55 23.0	18.0 T		402
C/1997 G2	1997 05 09.60809	15 37 11.58	−09 55 24.0			402
C/1997 G2	1997 05 09.61156	15 37 11.37	−09 55 24.4			402
C/1997 G2	1997 05 09.62535	15 37 10.48	−09 55 30.0	17.5 T		360
C/1997 G2	1997 05 09.63090	15 37 10.13	−09 55 31.7			360

C/1997 G2	1997 05 09.63993	15 37 09.60	−09 55 33.7		360
C/1997 G2	1997 05 09.69542	15 37 06.11	−09 55 51.4	17.6 T	864
C/1997 G2	1997 05 09.70858	15 37 05.32	−09 55 54.9		864
C/1997 G2	1997 05 09.72200	15 37 04.51	−09 55 58.1		864
C/1997 G2	1997 05 13.34212	15 33 20.47	−10 14 30.9	18.7 T	691
C/1997 G2	1997 05 13.34752	15 33 20.12	−10 14 33.2	19.0 T	691
C/1997 G2	1997 05 14.96475	15 31 38.53	−10 23 04.4		557
C/1997 G2	1997 05 14.96686	15 31 38.44	−10 23 04.7	18.4 N	557
C/1997 G2	1997 05 14.96894	15 31 38.35	−10 23 05.4	17.7 T	557
C/1997 G2	1997 05 15.95338	15 30 36.03	−10 28 19.7		118
C/1997 G2	1997 05 15.96733	15 30 35.14	−10 28 24.4		118
C/1997 G2	1997 05 15.97431	15 30 34.72	−10 28 26.8	18.5 T	118
C/1997 G2	1997 05 16.97177	15 29 31.38	−10 33 48.7		118
C/1997 G2	1997 05 16.98293	15 29 30.66	−10 33 51.9	18.2 T	118
C/1997 G2	1997 05 17.65581	15 28 47.78	−10 37 29.9	18.1 T	402
C/1997 G2	1997 05 17.65859	15 28 47.62	−10 37 30.7		402
C/1997 G2	1997 05 17.66137	15 28 47.41	−10 37 31.7		402
C/1997 G2	1997 05 17.93959	15 28 29.73	−10 39 02.3		046
C/1997 G2	1997 05 17.94521	15 28 29.42	−10 39 04.2		046
C/1997 G2	1997 05 17.94894	15 28 29.14	−10 39 05.5		046

C/1997 H2 (SOHO)

C/1997 H2	1997 04 29.26471	01 50 34.3	+14 42 35		249
Geocentric position (AU)	+0.00528588	+0.00888428	+0.00336249		
C/1997 H2	1997 04 29.32726	01 51 33.8	+14 43 30		249
Geocentric position (AU)	+0.00528127	+0.00888961	+0.00336310		
C/1997 H2	1997 04 29.51719	01 54 25.1	+14 47 08		249
Geocentric position (AU)	+0.00526743	+0.00890555	+0.00336492		
C/1997 H2	1997 04 29.58295	01 55 28.2	+14 48 08		249
Geocentric position (AU)	+0.00526232	+0.00891144	+0.00336559		
C/1997 H2	1997 04 29.78834	01 58 28.0	+14 53 26		249
Geocentric position (AU)	+0.00524699	+0.00892902	+0.00336757		
C/1997 H2	1997 04 30.02382	02 01 46.8	+14 56 35		249
Geocentric position (AU)	+0.00523016	+0.00894826	+0.00336972		
C/1997 H2	1997 05 01.64867	02 27 48.7	+15 21 14		249
Geocentric position (AU)	+0.00511160	+0.00908104	+0.00338401		
C/1997 H2	1997 05 01.68326	02 28 21.0	+15 21 56		249
Geocentric position (AU)	+0.00510907	+0.00908381	+0.00338430		
C/1997 H2	1997 05 01.70631	02 28 43.5	+15 22 20		249
Geocentric position (AU)	+0.00510705	+0.00908602	+0.00338453		
C/1997 H2	1997 05 01.72994	02 29 05.1	+15 22 43		249
Geocentric position (AU)	+0.00510554	+0.00908767	+0.00338470		
C/1997 H2	1997 05 01.74551	02 29 19.1	+15 22 57		249
Geocentric position (AU)	+0.00510453	+0.00908877	+0.00338481		
C/1997 H2	1997 05 01.76587	02 29 38.0	+15 23 12		249
Geocentric position (AU)	+0.00510302	+0.00909043	+0.00338498		
C/1997 H2	1997 05 01.77926	02 29 49.4	+15 23 37		249
Geocentric position (AU)	+0.00510201	+0.00909153	+0.00338510		
C/1997 H2	1997 05 01.78589	02 29 55.7	+15 23 43		249
Geocentric position (AU)	+0.00510150	+0.00909208	+0.00338515		
C/1997 H2	1997 05 01.80700	02 30 16.0	+15 24 07		249
Geocentric position (AU)	+0.00509999	+0.00909373	+0.00338532		
C/1997 H2	1997 05 01.82604	02 30 33.6	+15 24 26		249
Geocentric position (AU)	+0.00509847	+0.00909538	+0.00338549		
C/1997 H2	1997 05 02.47924	02 40 59.7	+15 34 39		249
Geocentric position (AU)	+0.00505107	+0.00914651	+0.00339066		
C/1997 H2	1997 05 02.50006	02 41 20.3	+15 34 50		249
Geocentric position (AU)	+0.00504956	+0.00914812	+0.00339082		
C/1997 H2	1997 05 02.53344	02 41 52.3	+15 35 13		249
Geocentric position (AU)	+0.00504704	+0.00915080	+0.00339109		
C/1997 H2	1997 05 02.56950	02 42 28.1	+15 35 43		249
Geocentric position (AU)	+0.00504452	+0.00915348	+0.00339135		
C/1997 H2	1997 05 02.59728	02 42 54.8	+15 36 14		249
Geocentric position (AU)	+0.00504251	+0.00915563	+0.00339157		
C/1997 H2	1997 05 03.02024	02 50 18.6	+15 41 20		249
Geocentric position (AU)	+0.00501177	+0.00918801	+0.00339472		
C/1997 H2	1997 05 03.07714	02 51 15.9	+15 41 34		249
Geocentric position (AU)	+0.00500774	+0.00919221	+0.00339512		
C/1997 H2	1997 05 03.13972	02 52 11.4	+15 41 44		249
Geocentric position (AU)	+0.00500321	+0.00919694	+0.00339557		
C/1997 H2	1997 05 03.26469	02 54 21.9	+15 43 03		249
Geocentric position (AU)	+0.00499414	+0.00920634	+0.00339647		
C/1997 H2	1997 05 03.32910	02 55 28.1	+15 44 18		249
Geocentric position (AU)	+0.00498961	+0.00921103	+0.00339691		
C/1997 H2	1997 05 03.38972	02 56 27.7	+15 45 08		249
Geocentric position (AU)	+0.00498507	+0.00921570	+0.00339735		
C/1997 H2	1997 05 03.46196	02 57 47.2	+15 45 24		249
Geocentric position (AU)	+0.00497953	+0.00922140	+0.00339788		
C/1997 H2	1997 05 03.51719	02 58 38.2	+15 46 16		249
Geocentric position (AU)	+0.00497601	+0.00922501	+0.00339822		
C/1997 H2	1997 05 03.57714	02 59 31.7	+15 47 24		249
Geocentric position (AU)	+0.00497147	+0.00922965	+0.00339865		
C/1997 H2	1997 05 03.62575	03 00 22.0	+15 48 16		249
Geocentric position (AU)	+0.00496795	+0.00923325	+0.00339898		
C/1997 H2	1997 05 03.67948	03 01 15.9	+15 47 51		249
Geocentric position (AU)	+0.00496392	+0.00923735	+0.00339936		
C/1997 H2	1997 05 03.74287	03 02 18.2	+15 48 54		249
Geocentric position (AU)	+0.00495939	+0.00924195	+0.00339978		
C/1997 H2	1997 05 03.83005	03 03 37.7	+15 49 22		249
Geocentric position (AU)	+0.00495284	+0.00924858	+0.00340038		
C/1997 H2	1997 05 03.83686	03 03 48.0	+15 49 29		249
Geocentric position (AU)	+0.00495234	+0.00924908	+0.00340043		
C/1997 H2	1997 05 03.89390	03 04 44.7	+15 49 50		249
Geocentric position (AU)	+0.00494831	+0.00925315	+0.00340079		
C/1997 H2	1997 05 03.94797	03 05 42.0	+15 50 08		249
Geocentric position (AU)	+0.00494428	+0.00925720	+0.00340116		
C/1997 H2	1997 05 03.98969	03 06 19.9	+15 51 55		249
Geocentric position (AU)	+0.00494126	+0.00926023	+0.00340143		
C/1997 H2	1997 05 04.03131	03 07 14.0	+15 51 58		249
Geocentric position (AU)	+0.00493824	+0.00926326	+0.00340170		
C/1997 H2	1997 05 04.07993	03 07 44.2	+15 51 33		249
Geocentric position (AU)	+0.00493471	+0.00926678	+0.00340202		
C/1997 H2	1997 05 04.12646	03 08 27.5	+15 52 45		249
Geocentric position (AU)	+0.00493169	+0.00926980	+0.00340228		

C/1997 H2	1997 05 04.15978	03 09 01.8	+15 52 39				249
Geocentric position (AU)	+0.00492917	+0.00927230	+0.00340250				
C/1997 H2	1997 05 04.19659	03 09 36.2	+15 53 09				249
Geocentric position (AU)	+0.00492666	+0.00927481	+0.00340273				
C/1997 H2	1997 05 04.23964	03 10 13.7	+15 53 15				249
Geocentric position (AU)	+0.00492313	+0.00927830	+0.00340303				
C/1997 H2	1997 05 04.28135	03 10 58.4	+15 53 50				249
Geocentric position (AU)	+0.00492011	+0.00928130	+0.00340329				
C/1997 H2	1997 05 04.33757	03 11 47.7	+15 53 16				249
Geocentric position (AU)	+0.00491608	+0.00928527	+0.00340364				
C/1997 H2	1997 05 04.45909	03 13 44.8	+15 55 33				249
Geocentric position (AU)	+0.00490753	+0.00929369	+0.00340437				
C/1997 H2	1997 05 04.50080	03 14 20.1	+15 55 24				249
Geocentric position (AU)	+0.00490451	+0.00929665	+0.00340462				
C/1997 H2	1997 05 04.53547	03 14 54.4	+15 55 51				249
Geocentric position (AU)	+0.00490199	+0.00929912	+0.00340483				
C/1997 H2	1997 05 04.58757	03 15 41.8	+15 56 37				249
Geocentric position (AU)	+0.00489797	+0.00930305	+0.00340517				
C/1997 H2	1997 05 04.62002	03 16 14.4	+15 56 11				249
Geocentric position (AU)	+0.00489595	+0.00930501	+0.00340533				
C/1997 H2	1997 05 04.67367	03 17 05.1	+15 56 54				249
Geocentric position (AU)	+0.00489193	+0.00930892	+0.00340566				
C/1997 H2	1997 05 04.69797	03 17 29.1	+15 57 16				249
Geocentric position (AU)	+0.00488992	+0.00931088	+0.00340583				
C/1997 H2	1997 05 04.82646	03 19 17.9	+15 59 42				249
Geocentric position (AU)	+0.00488086	+0.00931963	+0.00340656				
C/1997 H2	1997 05 04.88757	03 20 16.9	+15 58 50				249
Geocentric position (AU)	+0.00487633	+0.00932399	+0.00340692				
C/1997 H2	1997 05 04.95145	03 21 09.2	+15 59 37				249
Geocentric position (AU)	+0.00487181	+0.00932833	+0.00340728				
C/1997 H2	1997 05 04.98964	03 21 44.6	+16 00 09				249
Geocentric position (AU)	+0.00486879	+0.00933121	+0.00340751				

C/1997 J1 (Mueller)

C/1997 J1	1997 05 03.24930	11 39 16.50	+75 42 32.6	14	T	8	675
C/1997 J1	1997 05 05.28542	11 18 11.26	+75 01 05.9			8	675
C/1997 J1	1997 05 05.89262	11 12 26.75	+74 47 25.7	13.9	T		910
C/1997 J1	1997 05 05.89737	11 12 24.17	+74 47 19.1	13.9	T		910
C/1997 J1	1997 05 05.90291	11 12 21.08	+74 47 11.3	13.9	T		910
C/1997 J1	1997 05 05.90589	11 12 18.78	+74 47 07.7				046
C/1997 J1	1997 05 05.90705	11 12 18.14	+74 47 06.2				046
C/1997 J1	1997 05 05.90854	11 12 17.34	+74 47 04.0	12.5	T		046
C/1997 J1	1997 05 05.94664	11 11 56.17	+74 46 11.1	15.1	T		557
C/1997 J1	1997 05 05.95127	11 11 53.54	+74 46 04.7	12.5	T		557
C/1997 J1	1997 05 05.95447	11 11 51.75	+74 46 00.3				557
C/1997 J1	1997 05 05.95730	11 11 50.10	+74 45 56.2				557
C/1997 J1	1997 05 06.48395	11 07 04.56	+74 33 39.4				897
C/1997 J1	1997 05 06.49089	11 07 00.59	+74 33 29.0				897
C/1997 J1	1997 05 06.49317	11 06 59.55	+74 33 25.8				353
C/1997 J1	1997 05 06.49432	11 06 58.78	+74 33 24.3				353
C/1997 J1	1997 05 06.49652	11 06 57.62	+74 33 21.4				353
C/1997 J1	1997 05 06.49741	11 06 57.15	+74 33 19.8				864
C/1997 J1	1997 05 06.49818	11 06 56.67	+74 33 18.5				897
C/1997 J1	1997 05 06.49876	11 06 56.42	+74 33 17.7	13.1	T		402
C/1997 J1	1997 05 06.50084	11 06 55.27	+74 33 14.8				402
C/1997 J1	1997 05 06.50293	11 06 54.13	+74 33 11.9				402
C/1997 J1	1997 05 06.50568	11 06 52.68	+74 33 07.9	12.9	T		897
C/1997 J1	1997 05 06.52841	11 06 40.44	+74 32 35.4	13.9	T		367
C/1997 J1	1997 05 06.53047	11 06 39.52	+74 32 32.2				367
C/1997 J1	1997 05 06.53253	11 06 38.25	+74 32 29.2				367
C/1997 J1	1997 05 06.53460	11 06 37.23	+74 32 25.4				367
C/1997 J1	1997 05 06.54058	11 06 33.91	+74 32 18.0	13.1	T		402
C/1997 J1	1997 05 06.54266	11 06 32.80	+74 32 15.0				402
C/1997 J1	1997 05 06.54475	11 06 31.73	+74 32 11.9				402
C/1997 J1	1997 05 06.54821	11 06 29.93	+74 32 06.9				864
C/1997 J1	1997 05 06.55521	11 06 26.33	+74 31 56.9	13.6	T		864
C/1997 J1	1997 05 06.58257	11 06 11.43	+74 31 17.2	13.2	T		900
C/1997 J1	1997 05 06.59171	11 06 06.64	+74 31 04.1				900
C/1997 J1	1997 05 06.60449	11 05 59.96	+74 30 45.6				355
C/1997 J1	1997 05 06.60640	11 05 58.95	+74 30 42.2	13.9	T		355
C/1997 J1	1997 05 06.91977	11 03 15.47	+74 23 09.5	14.1	T		910
C/1997 J1	1997 05 06.92538	11 03 12.36	+74 23 01.2	13.9	T		910
C/1997 J1	1997 05 06.94184	11 03 03.85	+74 22 37.0	14.0	T		910
C/1997 J1	1997 05 07.23111	11 00 36.19	+74 15 32.3				750
C/1997 J1	1997 05 07.23301	11 00 35.15	+74 15 29.9				750
C/1997 J1	1997 05 07.23927	11 00 31.93	+74 15 20.0				750
C/1997 J1	1997 05 07.34010	10 59 40.89	+74 12 49.7	14.3	T		709
C/1997 J1	1997 05 07.34225	10 59 39.66	+74 12 46.8	14.3	T		709
C/1997 J1	1997 05 07.34498	10 59 38.34	+74 12 42.6	14.2	T		709
C/1997 J1	1997 05 07.35251	10 59 34.66	+74 12 31.6	14.4	T		709
C/1997 J1	1997 05 07.35808	10 59 31.79	+74 12 23.0	14.5	T		709
C/1997 J1	1997 05 07.36155	10 59 30.12	+74 12 17.8	14.4	T		709
C/1997 J1	1997 05 07.91366	10 55 00.29	+73 58 30.3	14.4	T		617
C/1997 J1	1997 05 07.92087	10 54 56.78	+73 58 19.8	14.5	T		617
C/1997 J1	1997 05 07.98350	10 54 26.25	+73 56 41.1	15.1	T		958
C/1997 J1	1997 05 08.01545	10 54 10.75	+73 55 51.9	15.1	T		958
C/1997 J1	1997 05 08.04765	10 53 55.40	+73 55 01.9	15.1	T		958
C/1997 J1	1997 05 08.06028	10 53 49.51	+73 54 42.0	15.2	T		958
C/1997 J1	1997 05 08.08126	10 53 39.54	+73 54 09.7	15.1	T		958
C/1997 J1	1997 05 08.84444	10 47 47.85	+73 34 26.7				587
C/1997 J1	1997 05 08.84768	10 47 46.35	+73 34 21.6				587
C/1997 J1	1997 05 09.49932	10 43 01.52	+73 17 06.8				867
C/1997 J1	1997 05 09.50069	10 43 00.77	+73 17 04.8	13.5	T		355
C/1997 J1	1997 05 09.50348	10 42 59.73	+73 16 59.8				867
C/1997 J1	1997 05 09.50374	10 42 59.51	+73 16 59.3				355
C/1997 J1	1997 05 09.50507	10 42 58.86	+73 16 57.6				355
C/1997 J1	1997 05 09.50696	10 42 58.32	+73 16 54.2				867
C/1997 J1	1997 05 09.51267	10 42 55.57	+73 16 45.5	13.3	T		360
C/1997 J1	1997 05 09.51545	10 42 54.40	+73 16 40.8				360
C/1997 J1	1997 05 09.51823	10 42 53.23	+73 16 36.4				360
C/1997 J1	1997 05 09.53972	10 42 43.99	+73 16 01.2	13.6	T		900
C/1997 J1	1997 05 09.54083	10 42 43.49	+73 15 59.9				864
C/1997 J1	1997 05 09.54215	10 42 42.88	+73 15 57.6	13.3	T		402
C/1997 J1	1997 05 09.54493	10 42 41.72	+73 15 53.3				402
C/1997 J1	1997 05 09.54571	10 42 41.47	+73 15 51.6				897

C/1997 J1	1997 05 09.54771	10 42 40.51	+73 15 48.6				402
C/1997 J1	1997 05 09.54781	10 42 40.59	+73 15 48.0	12.5	T		897
C/1997 J1	1997 05 09.54891	10 42 40.08	+73 15 46.5				900
C/1997 J1	1997 05 09.55083	10 42 39.27	+73 15 43.2				897
C/1997 J1	1997 05 09.55219	10 42 38.59	+73 15 41.5	13.0	T		864
C/1997 J1	1997 05 09.63375	10 42 03.98	+73 13 29.0				353
C/1997 J1	1997 05 09.63458	10 42 03.65	+73 13 27.6				353
C/1997 J1	1997 05 09.68670	10 41 41.48	+73 12 02.0	13.4	T		402
C/1997 J1	1997 05 09.68948	10 41 40.36	+73 11 57.3				402
C/1997 J1	1997 05 09.69226	10 41 39.18	+73 11 52.9				402
C/1997 J1	1997 05 09.83767	10 40 39.04	+73 07 59.8	13.5	T		046
C/1997 J1	1997 05 09.83851	10 40 38.55	+73 07 58.5				046
C/1997 J1	1997 05 09.83948	10 40 38.14	+73 07 56.9				046
C/1997 J1	1997 05 09.84069	10 40 37.69	+73 07 54.6				046
C/1997 J1	1997 05 09.91378	10 40 07.12	+73 05 55.7	15.2	N	5	557
C/1997 J1	1997 05 09.91506	10 40 06.58	+73 05 53.6	12.5	T	5	557
C/1997 J1	1997 05 09.91632	10 40 06.08	+73 05 51.4			5	557
C/1997 J1	1997 05 10.13646	10 38 36.18	+72 59 53.5				750
C/1997 J1	1997 05 10.14736	10 38 31.75	+72 59 36.1				750
C/1997 J1	1997 05 10.52538	10 36 00.52	+72 49 15.9				900
C/1997 J1	1997 05 10.53462	10 35 56.71	+72 49 00.9				900
C/1997 J1	1997 05 10.54763	10 35 51.48	+72 48 39.3	13.4	T		402
C/1997 J1	1997 05 10.54971	10 35 50.67	+72 48 35.7				402
C/1997 J1	1997 05 10.55179	10 35 49.86	+72 48 32.4				402
C/1997 J1	1997 05 10.87919	10 33 42.73	+72 39 29.9				046
C/1997 J1	1997 05 10.88016	10 33 42.39	+72 39 28.5				046
C/1997 J1	1997 05 10.88093	10 33 42.09	+72 39 26.8				046
C/1997 J1	1997 05 10.88216	10 33 41.60	+72 39 25.0				046
C/1997 J1	1997 05 10.94402	10 33 17.86	+72 37 41.2	14.6	T		118
C/1997 J1	1997 05 10.94877	10 33 16.02	+72 37 33.2				118
C/1997 J1	1997 05 10.95183	10 33 14.82	+72 37 27.9				118
C/1997 J1	1997 05 11.47861	10 29 58.31	+72 22 48.5				353
C/1997 J1	1997 05 11.48006	10 29 57.68	+72 22 46.9				353
C/1997 J1	1997 05 11.56196	10 29 27.50	+72 20 28.9	13.3	T		402
C/1997 J1	1997 05 11.56473	10 29 26.49	+72 20 24.3				402
C/1997 J1	1997 05 11.56751	10 29 25.45	+72 20 19.2				402
C/1997 J1	1997 05 11.89477	10 27 28.46	+72 11 07.3				963
C/1997 J1	1997 05 11.91323	10 27 21.59	+72 10 35.1	14.6	T		118
C/1997 J1	1997 05 11.91619	10 27 20.45	+72 10 30.2				118
C/1997 J1	1997 05 11.91828	10 27 19.63	+72 10 27.1				118
C/1997 J1	1997 05 12.51591	10 23 52.97	+71 53 32.1	13.0	T		402
C/1997 J1	1997 05 12.51869	10 23 52.00	+71 53 27.3				402
C/1997 J1	1997 05 12.52147	10 23 51.01	+71 53 22.3				402
C/1997 J1	1997 05 12.95541	10 21 26.52	+71 41 00.3	13.8	T		960
C/1997 J1	1997 05 13.16111	10 20 20.37	+71 35 05.5				750
C/1997 J1	1997 05 13.23542	10 19 56.12	+71 32 56.4				750
C/1997 J1	1997 05 13.88308	10 16 34.62	+71 14 17.9	14.1	T		605
C/1997 J1	1997 05 13.88838	10 16 33.05	+71 14 08.7	14.3	T		605
C/1997 J1	1997 05 13.89772	10 16 30.12	+71 13 52.2	14.4	T		605
C/1997 J1	1997 05 14.24043	10 14 47.03	+71 03 57.7	14.3	T		709
C/1997 J1	1997 05 14.25171	10 14 43.73	+71 03 38.4	14.5	T		709
C/1997 J1	1997 05 14.25389	10 14 43.12	+71 03 34.3	14.4	T		709
C/1997 J1	1997 05 14.25729	10 14 42.07	+71 03 28.4	14.5	T		709
C/1997 J1	1997 05 14.26088	10 14 41.01	+71 03 21.8	14.5	T		709
C/1997 J1	1997 05 15.03198	10 10 59.92	+70 40 55.5			9	557
C/1997 J1	1997 05 15.03516	10 10 59.03	+70 40 50.0				557
C/1997 J1	1997 05 15.46332	10 09 02.21	+70 28 24.3				355
C/1997 J1	1997 05 15.46476	10 09 01.89	+70 28 21.3				355
C/1997 J1	1997 05 15.46874	10 09 00.64	+70 28 13.8				355
C/1997 J1	1997 05 15.93870	10 06 56.36	+70 14 29.0				046
C/1997 J1	1997 05 15.94990	10 06 53.39	+70 14 09.3				046
C/1997 J1	1997 05 15.95522	10 06 51.95	+70 13 59.8				046
C/1997 J1	1997 05 16.17014	10 05 57.05	+70 07 43.0				750
C/1997 J1	1997 05 16.18264	10 05 53.83	+70 07 21.3				750
C/1997 J1	1997 05 16.20035	10 05 49.24	+70 06 50.3				750
C/1997 J1	1997 05 16.89892	10 02 56.30	+69 46 23.3				046
C/1997 J1	1997 05 16.89979	10 02 55.99	+69 46 22.0				046
C/1997 J1	1997 05 16.90688	10 02 54.23	+69 46 08.1				046
C/1997 J1	1997 05 16.90836	10 02 53.90	+69 46 05.4				046
C/1997 J1	1997 05 17.03935	10 02 22.56	+69 42 13.5				118
C/1997 J1	1997 05 17.04416	10 02 21.44	+69 42 04.8	14.0	T		118
C/1997 J1	1997 05 17.17292	10 01 51.08	+69 38 20.3	14.2	T		750
C/1997 J1	1997 05 17.18958	10 01 47.14	+69 37 51.1	14.3	T		750
C/1997 J1	1997 05 17.50738	10 00 32.94	+69 28 33.0	13.3	T		900
C/1997 J1	1997 05 17.51657	10 00 30.88	+69 28 16.7				900
C/1997 J1	1997 05 17.51905	10 00 30.41	+69 28 13.0				353
C/1997 J1	1997 05 17.51999	10 00 30.15	+69 28 11.5				353
C/1997 J1	1997 05 17.52170	10 00 29.77	+69 28 08.4				353
C/1997 J1	1997 05 17.54308	10 00 24.59	+69 27 30.0	13.2	T		402
C/1997 J1	1997 05 17.54516	10 00 24.10	+69 27 26.4				402
C/1997 J1	1997 05 17.54725	10 00 23.61	+69 27 22.6				402
C/1997 J1	1997 05 17.56042	10 00 20.76	+69 26 59.4	12.0	T		367
C/1997 J1	1997 05 17.56231	10 00 20.35	+69 26 56.1				367
C/1997 J1	1997 05 17.87748	09 59 09.03	+69 17 40.6				557
C/1997 J1	1997 05 17.88323	09 59 07.74	+69 17 30.4				557
C/1997 J1	1997 05 17.88527	09 59 07.29	+69 17 26.9				557
C/1997 J1	1997 05 17.89571	09 59 05.48	+69 17 08.3	13.6	T		605
C/1997 J1	1997 05 17.90277	09 59 03.69	+69 16 54.7	13.8	T		605
C/1997 J1	1997 05 17.91633	09 59 00.57	+69 16 32.4	14.0	T		605
C/1997 J1	1997 05 17.97537	09 58 47.27	+69 14 47.1				118
C/1997 J1	1997 05 17.98277	09 58 45.67	+69 14 34.2	13.7	T		118

C/1997 J2 (Meunier-Dupouy)

C/1997 J2	1997 05 05.28542	10 56 33.67	+73 58 55.1				675
C/1997 J2	1997 05 07.91366	10 54 10.28	+73 53 08.6	14.0	T		617
C/1997 J2	1997 05 07.92087	10 54 09.88	+73 53 07.6	13.9	T		617
C/1997 J2	1997 05 08.01956	10 54 04.71	+73 52 52.6	15.5	T		958
C/1997 J2	1997 05 08.05955	10 54 02.69	+73 52 46.3	15.5	T		958
C/1997 J2	1997 05 08.08126	10 54 01.62	+73 52 44.1	15.5	T		958
C/1997 J2	1997 05 08.88024	10 53 23.25	+73 50 46.7	14.2	T		958
C/1997 J2	1997 05 08.93205	10 53 20.10	+73 50 36.7	14.1	T		618
C/1997 J2	1997 05 08.94744	10 53 20.11	+73 50 36.4	14.1	T		618
C/1997 J2	1997 05 08.95162	10 53 19.92	+73 50 35.9	14.0	T		618
C/1997 J2	1997 05 08.95490	10 53 19.28	+73 50 35.1	14.2	T		958
C/1997 J2	1997 05 08.95843	10 53 19.61	+73 50 35.1	14.2	T		618

C/1997 J2	1997 05 08.96159	10 53 19.49	+73 50 34.2	14.1	T	618
C/1997 J2	1997 05 09.50429	10 52 54.23	+73 49 13.8	13.3	T	367
C/1997 J2	1997 05 09.50773	10 52 54.03	+73 49 13.6			367
C/1997 J2	1997 05 09.51117	10 52 53.94	+73 49 12.9			367
C/1997 J2	1997 05 09.51146	10 52 53.81	+73 49 12.5	13.5	T	355
C/1997 J2	1997 05 09.51291	10 52 53.68	+73 49 12.4			355
C/1997 J2	1997 05 09.51429	10 52 53.64	+73 49 12.0			355
C/1997 J2	1997 05 09.51460	10 52 53.63	+73 49 12.7			367
C/1997 J2	1997 05 09.51626	10 52 53.52	+73 49 12.4	13.4	T	900
C/1997 J2	1997 05 09.52545	10 52 53.11	+73 49 10.8			900
C/1997 J2	1997 05 09.52551	10 52 53.07	+73 49 10.9			897
C/1997 J2	1997 05 09.52729	10 52 53.01	+73 49 10.3	12.9	T	897
C/1997 J2	1997 05 09.52965	10 52 52.83	+73 49 09.9			897
C/1997 J2	1997 05 09.53006	10 52 52.92	+73 49 10.1	13.4	T	402
C/1997 J2	1997 05 09.53284	10 52 52.79	+73 49 09.6			402
C/1997 J2	1997 05 09.53561	10 52 52.67	+73 49 09.3			402
C/1997 J2	1997 05 09.53994	10 52 52.52	+73 49 07.8			867
C/1997 J2	1997 05 09.54243	10 52 52.28	+73 49 07.7			897
C/1997 J2	1997 05 09.54376	10 52 52.35	+73 49 07.1			867
C/1997 J2	1997 05 09.54689	10 52 52.21	+73 49 07.0			867
C/1997 J2	1997 05 09.58915	10 52 50.02	+73 49 00.4			900
C/1997 J2	1997 05 09.61803	10 52 48.85	+73 48 56.3			353
C/1997 J2	1997 05 09.62078	10 52 48.77	+73 48 54.5			353
C/1997 J2	1997 05 09.67320	10 52 46.11	+73 48 47.3	12.8	T	864
C/1997 J2	1997 05 09.67418	10 52 46.24	+73 48 46.5	13.4	T	402
C/1997 J2	1997 05 09.67696	10 52 46.05	+73 48 46.4			402
C/1997 J2	1997 05 09.67973	10 52 45.96	+73 48 45.5			402
C/1997 J2	1997 05 09.68608	10 52 45.49	+73 48 44.7			864
C/1997 J2	1997 05 09.83005	10 52 39.47	+73 48 23.3	14.3	T	046
C/1997 J2	1997 05 09.83306	10 52 39.42	+73 48 23.1			046
C/1997 J2	1997 05 09.83381	10 52 39.41	+73 48 22.8			046
C/1997 J2	1997 05 09.84597	10 52 38.65	+73 48 21.1			046
C/1997 J2	1997 05 09.84674	10 52 38.72	+73 48 20.9			046
C/1997 J2	1997 05 09.84751	10 52 38.65	+73 48 20.6			046
C/1997 J2	1997 05 09.85625	10 52 38.33	+73 48 18.8	14.0	T	959
C/1997 J2	1997 05 09.86142	10 52 38.10	+73 48 17.8			959
C/1997 J2	1997 05 09.86694	10 52 37.79	+73 48 17.3			959
C/1997 J2	1997 05 09.90080	10 52 36.34	+73 48 12.0	15.2	N	557
C/1997 J2	1997 05 09.90525	10 52 36.17	+73 48 11.2	12.7	T	557
C/1997 J2	1997 05 09.90914	10 52 35.90	+73 48 10.7			557
C/1997 J2	1997 05 09.92469	10 52 35.14	+73 48 07.9	14.8	T	118
C/1997 J2	1997 05 09.92696	10 52 35.03	+73 48 07.7	14.5	T	118
C/1997 J2	1997 05 09.93713	10 52 34.60	+73 48 06.3	14.5	T	118
C/1997 J2	1997 05 09.95649	10 52 33.94	+73 48 04.1			965
C/1997 J2	1997 05 09.95753	10 52 33.69	+73 48 04.2			965
C/1997 J2	1997 05 09.95797	10 52 33.78	+73 48 04.2			965
C/1997 J2	1997 05 09.97138	10 52 33.18	+73 48 01.8			965
C/1997 J2	1997 05 09.97212	10 52 33.17	+73 48 01.6			965
C/1997 J2	1997 05 09.97267	10 52 33.07	+73 48 01.3			965
C/1997 J2	1997 05 09.98003	10 52 32.83	+73 47 58.8	14.3	N	620
C/1997 J2	1997 05 10.00735	10 52 31.56	+73 47 54.4	14.2	N	620
C/1997 J2	1997 05 10.05677	10 52 29.27	+73 47 46.4	14.3	N	620
C/1997 J2	1997 05 10.49822	10 52 10.42	+73 46 37.1			900
C/1997 J2	1997 05 10.50748	10 52 09.96	+73 46 36.0			900
C/1997 J2	1997 05 10.56309	10 52 07.54	+73 46 27.2	13.3	T	402
C/1997 J2	1997 05 10.56587	10 52 07.44	+73 46 26.7			402
C/1997 J2	1997 05 10.56865	10 52 07.33	+73 46 26.1			402
C/1997 J2	1997 05 10.85488	10 51 55.58	+73 45 39.5	14.2	T	046
C/1997 J2	1997 05 10.85579	10 51 55.49	+73 45 39.8			046
C/1997 J2	1997 05 10.85659	10 51 55.46	+73 45 39.6			046
C/1997 J2	1997 05 10.86003	10 51 55.31	+73 45 39.0			046
C/1997 J2	1997 05 10.86145	10 51 55.27	+73 45 38.7			046
C/1997 J2	1997 05 10.89954	10 51 53.67	+73 45 31.9			963
C/1997 J2	1997 05 10.91933	10 51 52.54	+73 45 28.7			118
C/1997 J2	1997 05 10.92505	10 51 52.49	+73 45 27.5			118
C/1997 J2	1997 05 10.92896	10 51 52.35	+73 45 26.7			118
C/1997 J2	1997 05 11.49979	10 51 29.51	+73 43 53.4			353
C/1997 J2	1997 05 11.50527	10 51 29.28	+73 43 52.5			353
C/1997 J2	1997 05 11.57341	10 51 26.44	+73 43 41.0	13.0	T	402
C/1997 J2	1997 05 11.57619	10 51 26.28	+73 43 40.4			402
C/1997 J2	1997 05 11.57897	10 51 26.15	+73 43 39.4			402
C/1997 J2	1997 05 11.88898	10 51 14.43	+73 42 47.5			963
C/1997 J2	1997 05 11.90533	10 51 13.86	+73 42 44.5	14.1	T	617
C/1997 J2	1997 05 11.90944	10 51 13.70	+73 42 43.5	14.0	T	617
C/1997 J2	1997 05 11.91335	10 51 13.54	+73 42 42.9	14.1	T	617
C/1997 J2	1997 05 11.93062	10 51 12.89	+73 42 39.6	14.6	T	118
C/1997 J2	1997 05 11.93273	10 51 12.88	+73 42 38.9			118
C/1997 J2	1997 05 11.93549	10 51 12.77	+73 42 38.6			118
C/1997 J2	1997 05 12.53027	10 50 50.79	+73 40 57.5	13.0	T	402
C/1997 J2	1997 05 12.53304	10 50 50.58	+73 40 56.4			402
C/1997 J2	1997 05 12.53582	10 50 50.29	+73 40 56.9			402
C/1997 J2	1997 05 12.96382	10 50 35.35	+73 39 40.3	14.3	T	960
C/1997 J2	1997 05 13.91227	10 50 03.81	+73 36 49.5	14.2	T	605
C/1997 J2	1997 05 13.91714	10 50 03.78	+73 36 49.2	14.7	T	605
C/1997 J2	1997 05 14.26624	10 49 52.86	+73 35 45.1	14.6	T	709
C/1997 J2	1997 05 14.27367	10 49 52.57	+73 35 43.7	14.7	T	709
C/1997 J2	1997 05 14.27818	10 49 52.36	+73 35 42.7	14.5	T	709
C/1997 J2	1997 05 14.28233	10 49 52.36	+73 35 41.9	14.6	T	709
C/1997 J2	1997 05 14.28648	10 49 52.21	+73 35 41.1	14.5	T	709
C/1997 J2	1997 05 14.99818	10 49 31.35	+73 33 28.0			557
C/1997 J2	1997 05 15.97170	10 49 05.05	+73 30 22.1			046
C/1997 J2	1997 05 15.97288	10 49 04.97	+73 30 21.6			046
C/1997 J2	1997 05 15.97411	10 49 05.07	+73 30 21.3			046
C/1997 J2	1997 05 15.97529	10 49 05.12	+73 30 21.7			046
C/1997 J2	1997 05 16.04579	10 49 03.37	+73 30 06.7			5 118
C/1997 J2	1997 05 16.05213	10 49 03.21	+73 30 05.5	14.0	T	5 118
C/1997 J2	1997 05 16.45724	10 48 53.42	+73 28 48.3	13.1	T	402
C/1997 J2	1997 05 16.45933	10 48 53.31	+73 28 47.4			402
C/1997 J2	1997 05 16.46141	10 48 53.20	+73 28 46.9			402
C/1997 J2	1997 05 16.91508	10 48 42.58	+73 27 16.7			046
C/1997 J2	1997 05 16.92178	10 48 42.45	+73 27 15.4			046
C/1997 J2	1997 05 16.92330	10 48 42.37	+73 27 15.2			046
C/1997 J2	1997 05 17.48051	10 48 30.46	+73 25 25.1	13.4	T	900
C/1997 J2	1997 05 17.48970	10 48 30.29	+73 25 22.5			900

C/1997 J2	1997 05 17.50714	10 48 29.90	+73 25 18.7		353
C/1997 J2	1997 05 17.51049	10 48 29.86	+73 25 18.0		353
C/1997 J2	1997 05 17.51148	10 48 29.77	+73 25 17.8		353
C/1997 J2	1997 05 17.55532	10 48 28.77	+73 25 08.4		367
C/1997 J2	1997 05 17.55682	10 48 28.82	+73 25 08.8	13.3 T	402
C/1997 J2	1997 05 17.55804	10 48 28.67	+73 25 08.1		367
C/1997 J2	1997 05 17.55960	10 48 28.73	+73 25 08.3		402
C/1997 J2	1997 05 17.56237	10 48 28.65	+73 25 07.6		402
C/1997 J2	1997 05 17.84858	10 48 23.13	+73 24 09.0		557
C/1997 J2	1997 05 17.84984	10 48 23.07	+73 24 09.1		557
C/1997 J2	1997 05 17.85110	10 48 23.05	+73 24 08.9		557
C/1997 J2	1997 05 17.93772	10 48 21.36	+73 23 51.1	14.4 T	605
C/1997 J2	1997 05 17.94667	10 48 21.13	+73 23 48.9	14.4 T	605
C/1997 J2	1997 05 17.95968	10 48 20.82	+73 23 46.3	14.7 T	605
C/1997 J2	1997 05 18.02056	10 48 19.60	+73 23 32.8		118
C/1997 J2	1997 05 18.02847	10 48 19.50	+73 23 31.0	13.6 T	118
C/1997 J2	1997 05 18.05949	10 48 19.22	+73 23 25.5	14.2 T	958
C/1997 J2	1997 05 18.11896	10 48 18.14	+73 23 12.6	14.2 T	958

10P/Tempel 2

10P	1997 04 17.37542	08 51 18.95	+22 53 06.4	20.3 T	568
10P	1997 04 17.38208	08 51 18.97	+22 53 06.3		568
10P	1997 04 17.38757	08 51 19.00	+22 53 05.9		568
10P	1997 04 17.39475	08 51 19.03	+22 53 05.7		568

19P/Borrelly

19P	1994 10 29.51329	07 33 27.27	+13 15 40.0		658
19P	1994 10 29.51746	07 33 27.90	+13 15 48.6		658
19P	1994 10 29.51954	07 33 28.24	+13 15 52.9		658
19P	1995 04 21.36182	09 46 50.74	+52 28 11.0		658
19P	1995 04 21.36426	09 46 50.91	+52 28 08.6		658
19P	1995 04 21.36634	09 46 51.06	+52 28 06.3		658

22P/Kopff

22P	1996 06 08.01303	19 12 50.46	−16 04 42.3		580
22P	1996 06 08.01571	19 12 50.55	−16 04 43.1		580
22P	1996 06 08.01671	19 12 50.65	−16 04 42.7		580
22P	1996 06 08.05877	19 12 52.23	−16 04 49.8		580
22P	1996 06 08.06003	19 12 52.26	−16 04 50.5		580
22P	1996 06 08.06087	19 12 52.21	−16 04 50.0		580
22P	1996 06 08.98516	19 13 29.78	−16 07 26.8		580
22P	1996 06 08.98663	19 13 29.86	−16 07 27.1		580
22P	1996 06 08.98794	19 13 29.86	−16 07 27.0		580
22P	1996 06 09.02601	19 13 31.62	−16 07 32.8		580
22P	1996 06 09.02725	19 13 31.59	−16 07 32.5		580
22P	1996 06 09.02815	19 13 31.66	−16 07 33.7		580
22P	1996 06 09.97751	19 14 08.25	−16 10 24.6		580
22P	1996 06 09.97900	19 14 08.34	−16 10 23.1		580
22P	1996 06 10.00763	19 14 09.30	−16 10 29.4		580
22P	1996 06 10.00900	19 14 09.36	−16 10 29.4		580
22P	1996 06 10.00994	19 14 09.39	−16 10 29.8		580
22P	1996 06 10.97368	19 14 45.14	−16 13 37.3		580
22P	1996 06 10.97512	19 14 45.23	−16 13 36.8		580
22P	1996 06 10.97597	19 14 45.22	−16 13 37.5		580
22P	1996 06 11.03135	19 14 47.02	−16 13 48.3		580
22P	1996 06 11.03255	19 14 47.14	−16 13 48.5		580
22P	1996 06 11.03338	19 14 47.19	−16 13 49.3		580
22P	1996 06 14.99586	19 16 56.98	−16 28 47.5		580
22P	1996 06 14.99761	19 16 57.08	−16 28 47.3		580
22P	1996 06 14.99892	19 16 57.16	−16 28 47.9		580
22P	1996 06 15.04373	19 16 58.15	−16 28 59.2		580
22P	1996 06 15.04493	19 16 58.19	−16 28 59.1		580
22P	1996 06 15.04579	19 16 58.23	−16 28 58.8		580
22P	1996 06 17.99781	19 18 18.30	−16 42 25.5		580
22P	1996 06 17.99827	19 18 18.34	−16 42 26.0		580
22P	1996 06 17.99874	19 18 18.35	−16 42 25.9		580
22P	1996 07 09.57569	19 22 50.99	−19 09 43.0		323
22P	1996 08 16.65972	19 35 35.20	−23 36 23.0		323

29P/Schwassmann-Wachmann 1

29P	1997 03 31.64181	11 50 46.83	−08 19 34.2		867
29P	1997 03 31.64829	11 50 46.66	−08 19 33.1		867
29P	1997 03 31.65569	11 50 46.47	−08 19 32.4		867
29P	1997 04 11.63926	11 46 24.62	−07 51 48.4	15.2 T	867
29P	1997 04 11.64551	11 46 24.46	−07 51 47.4		867
29P	1997 04 13.66750	11 45 40.36	−07 46 43.4	15.3 T	867
29P	1997 04 13.67410	11 45 40.20	−07 46 42.6		867
29P	1997 04 17.33595	11 44 24.47	−07 37 40.6	15.1 N	568
29P	1997 04 17.34039	11 44 24.34	−07 37 40.1		568
29P	1997 04 17.34463	11 44 24.26	−07 37 39.2		568
29P	1997 04 28.59219	11 41 08.82	−07 11 45.6	13.3 T	360
29P	1997 04 28.59514	11 41 08.78	−07 11 45.2		360
29P	1997 04 29.58212	11 40 54.60	−07 09 39.5	13.4 T	360
29P	1997 04 29.58594	11 40 54.55	−07 09 38.9		360
29P	1997 05 01.87743	11 40 23.61	−07 04 55.6	16.5 T	046
29P	1997 05 01.88016	11 40 23.55	−07 04 55.2		046
29P	1997 05 01.88218	11 40 23.55	−07 04 55.1		046
29P	1997 05 03.06789	11 40 08.60	−07 02 34.4	15.8 N	954
29P	1997 05 03.07280	11 40 08.55	−07 02 33.8		954
29P	1997 05 03.07795	11 40 08.49	−07 02 33.0		954
29P	1997 05 03.08289	11 40 08.42	−07 02 32.6		954
29P	1997 05 04.57118	11 39 50.85	−06 59 39.8	13.5 T	360
29P	1997 05 04.57413	11 39 50.84	−06 59 39.3	16.3 N	360
29P	1997 05 09.54913	11 39 01.01	−06 50 44.3	13.4 T	360
29P	1997 05 09.55191	11 39 00.99	−06 50 43.8	16.7 N	360

32P/Comas Solá

32P	1997 04 17.40185	13 55 22.95	−00 33 51.2	18.3 N	568
32P	1997 04 17.40624	13 55 22.73	−00 33 50.8		568
32P	1997 04 28.91644	13 45 49.17	−00 21 39.3		118
32P	1997 04 28.94064	13 45 48.01	−00 21 38.7		118
32P	1997 04 29.82384	13 45 06.82	−00 21 15.5		118
32P	1997 04 29.86175	13 45 04.99	−00 21 14.8		118
32P	1997 04 29.86565	13 45 04.85	−00 21 14.6		118
32P	1997 04 30.87127	13 44 18.46	−00 20 55.1		118
32P	1997 04 30.88618	13 44 17.75	−00 20 54.9	17.5 T	118
32P	1997 05 04.63924	13 41 31.15	−00 20 37.4	16.8 T	360

32P	1997 05 04.64358	13 41 30.98	−00 20 37.6				360
32P	1997 05 04.91234	13 41 19.52	−00 20 40.9				118
32P	1997 05 04.92400	13 41 19.00	−00 20 41.0	17.6	T		118
32P	1997 05 14.92836	13 34 57.98	−00 27 58.8			5	118
32P	1997 05 14.93698	13 34 57.73	−00 27 59.2	17.7	T	5	118
	46P/Wirtanen						
46P	1997 02 08.79589	00 27 09.44	−02 55 33.2				967
46P	1997 04 23.81425	05 23 41.95	+28 47 01.9				118
46P	1997 04 23.81640	05 23 42.52	+28 47 03.2				118
46P	1997 04 23.81984	05 23 43.52	+28 47 05.5				118
46P	1997 04 24.81280	05 28 26.83	+28 57 37.7				118
46P	1997 04 24.81531	05 28 27.48	+28 57 39.6				118
46P	1997 04 24.81719	05 28 28.14	+28 57 40.3				118
46P	1997 04 24.81939	05 28 28.71	+28 57 42.2				118
46P	1997 05 03.82045	06 10 56.69	+30 03 07.8				118
46P	1997 05 03.83448	06 11 00.66	+30 03 11.2	14.0	T		118
46P	1997 05 04.45764	06 13 54.55	+30 05 47.2	12.1	T		360
46P	1997 05 04.46007	06 13 55.25	+30 05 47.4				360
46P	1997 05 04.83249	06 15 39.13	+30 07 11.1				118
46P	1997 05 04.83686	06 15 40.37	+30 07 11.7	14.9	T		118
46P	1997 05 10.83505	06 43 08.20	+30 18 18.0	14.3	T		118
46P	1997 05 10.84186	06 43 10.03	+30 18 17.9				118
46P	1997 05 14.10911	06 57 44.55	+30 15 34.8				711
46P	1997 05 14.11546	06 57 46.22	+30 15 34.0				711
46P	1997 05 14.82304	07 00 53.24	+30 14 10.6				118
46P	1997 05 14.82753	07 00 54.41	+30 14 09.9	14.3	T		118
46P	1997 05 17.83228	07 13 58.05	+30 05 29.2			A	118
46P	1997 05 17.83646	07 13 59.16	+30 05 29.0			A	118
46P	1997 05 17.83862	07 13 59.69	+30 05 27.9	14.3	T	A	118
	48P/Johnson						
48P	1997 05 12.06022	19 37 22.72	−13 59 52.6	18.2	T		046
48P	1997 05 12.06458	19 37 22.83	−13 59 52.5				046
48P	1997 05 12.07058	19 37 22.94	−13 59 52.1			9	046
48P	1997 05 15.05953	19 38 47.11	−14 02 15.3				118
48P	1997 05 15.06949	19 38 47.37	−14 02 15.8				118
48P	1997 05 15.07635	19 38 47.54	−14 02 16.3	18.7	T		118
	55P/Tempel-Tuttle						
55P	1997 04 15.44457	12 48 45.04	+12 22 55.9	19.2	T		568
55P	1997 04 15.45716	12 48 43.89	+12 23 03.4				568
55P	1997 04 15.46487	12 48 43.11	+12 23 08.4			7	568
55P	1997 04 17.46825	12 45 38.17	+12 43 18.2				568
	65P/Gunn						
65P	1954 08 08.36667	22 34 04.26	−23 40 17.4	19	T	B	675
65P	1954 08 08.39167	22 34 03.01	−23 40 30.1			B	675
65P	1996 07 09.54583	16 06 41.90	−24 20 06.6				323
	68P/Klemola						
68P	1997 03 29.40826	15 00 16.24	−07 23 10.5				696
68P	1997 03 29.41465	15 00 16.13	−07 23 08.4	21.4	T		696
68P	1997 03 29.42105	15 00 16.00	−07 23 09.2				696
68P	1997 04 11.71929	14 54 20.98	−06 14 33.4				867
68P	1997 04 11.73804	14 54 20.34	−06 14 26.2	21.0	T		867
68P	1997 05 03.33458	14 40 13.73	−04 16 04.5	19.6	T		696
68P	1997 05 03.33865	14 40 13.55	−04 16 03.1				696
68P	1997 05 03.34255	14 40 13.36	−04 16 01.9	19.4	T		696
68P	1997 05 10.19575	14 35 13.65	−03 41 26.3	20.6	T		691
68P	1997 05 10.21678	14 35 12.71	−03 41 20.5	20.5	T		691
68P	1997 05 10.23779	14 35 11.76	−03 41 14.7	20.6	T		691
	74P/Smirnova-Chernykh						
74P	1996 09 11.12986	22 52 17.34	−16 12 34.1				809
74P	1996 09 14.10486	22 50 38.19	−16 21 15.6				809
	81P/Wild 2						
81P	1997 03 10.25498	07 50 15.94	+21 52 40.6	11.5	T		665
81P	1997 03 10.29282	07 50 17.19	+21 52 43.8	11.5	T		665
81P	1997 03 27.94572	08 08 06.82	+21 53 45.6				965
81P	1997 03 27.95818	08 08 07.82	+21 53 44.6				965
81P	1997 03 27.96903	08 08 08.69	+21 53 43.7				965
81P	1997 03 29.29676	08 10 01.36	+21 51 26.3	11.3	T		665
81P	1997 04 01.28462	08 14 29.16	+21 45 02.9	13.1	T		665
81P	1997 04 01.29640	08 14 30.24	+21 45 01.0	12.4	T		665
81P	1997 04 05.33933	08 21 02.86	+21 33 25.9	11.7	T		665
81P	1997 04 07.25255	08 24 20.55	+21 26 47.0	11.6	T		665
81P	1997 04 07.27380	08 24 22.72	+21 26 42.0	11.8	T		665
81P	1997 04 07.29466	08 24 24.90	+21 26 37.3	11.8	T		665
81P	1997 04 08.88802	08 27 14.95	+21 20 26.3				108
81P	1997 04 08.89242	08 27 15.47	+21 20 26.5				108
81P	1997 04 12.82604	08 34 35.27	+21 02 55.1				108
81P	1997 04 16.29027	08 41 24.05	+20 44 48.8	15.0	N		568
81P	1997 04 17.28618	08 43 25.01	+20 39 06.7				568
81P	1997 04 21.81979	08 52 53.43	+20 10 21.7				611
81P	1997 04 21.83646	08 52 55.51	+20 10 15.3				611
81P	1997 04 23.94822	08 57 29.27	+19 55 21.6				118
81P	1997 04 23.95194	08 57 29.73	+19 55 19.9				118
81P	1997 04 23.95353	08 57 29.90	+19 55 19.0				118
81P	1997 04 23.95624	08 57 30.28	+19 55 18.3				118
81P	1997 04 24.49766	08 58 41.49	+19 51 22.2				402
81P	1997 04 24.50113	08 58 41.93	+19 51 20.8				402
81P	1997 04 24.50461	08 58 42.38	+19 51 19.3				402
81P	1997 04 26.45444	09 03 01.26	+19 36 30.0	11.4	T		900
81P	1997 04 26.46363	09 03 02.50	+19 36 26.3				900
81P	1997 05 03.87071	09 20 00.71	+18 32 42.7			5	118
81P	1997 05 03.87600	09 20 01.47	+18 32 39.7	12.5	T	5	118
81P	1997 05 04.49808	09 21 29.28	+18 26 50.4				353
81P	1997 05 04.50169	09 21 29.78	+18 26 47.6				353
81P	1997 05 04.50350	09 21 30.03	+18 26 46.6				353
81P	1997 05 10.47117	09 35 46.99	+17 26 25.5				900
81P	1997 05 10.48043	09 35 48.34	+17 26 19.1				900
81P	1997 05 14.18378	09 44 51.50	+16 45 21.0				711
81P	1997 05 14.18640	09 44 51.86	+16 45 19.4				711
81P	1997 05 15.15590	09 47 15.29	+16 34 10.3				711
81P	1997 05 15.15883	09 47 15.71	+16 34 08.4				711
81P	1997 05 16.82242	09 51 22.84	+16 14 34.7				118

81P	1997 05 16.82571	09 51 23.36	+16 14 32.7			118
81P	1997 05 16.82888	09 51 23.79	+16 14 29.9	13.9	T	118
81P	1997 05 17.15069	09 52 11.68	+16 10 40.8	14.7	T	750
81P	1997 05 17.16111	09 52 13.21	+16 10 32.6	14.2	T	750
81P	1997 05 17.52905	09 53 07.98	+16 06 09.8			900
81P	1997 05 17.53831	09 53 09.38	+16 06 02.7			900

91P/Russell 3

91P	1997 03 31.62097	11 18 15.97	−16 45 15.8			867
91P	1997 03 31.62676	11 18 15.78	−16 45 13.2	18.4	T	867
91P	1997 03 31.63440	11 18 15.48	−16 45 09.9			867
91P	1997 04 24.54431	11 08 54.24	−13 38 48.2	18.1	T	402
91P	1997 04 24.54708	11 08 54.23	−13 38 46.7			402
91P	1997 04 24.54986	11 08 54.25	−13 38 44.6			402
91P	1997 04 29.56354	11 08 30.35	−13 01 24.0	18.2	T	360
91P	1997 04 29.56944	11 08 30.33	−13 01 21.7			360
91P	1997 05 09.53958	11 09 29.74	−11 54 27.1	18.2	T	360
91P	1997 05 09.54392	11 09 29.80	−11 54 25.1			360

94P/Russell 4

94P	1997 04 24.01527	11 57 14.10	+09 41 47.0		6	118
94P	1997 04 24.01729	11 57 14.07	+09 41 46.9		6	118
94P	1997 04 24.87905	11 57 04.49	+09 38 42.8			046
94P	1997 04 24.88328	11 57 04.43	+09 38 41.5			046
94P	1997 04 24.88804	11 57 04.38	+09 38 40.7			046
94P	1997 04 25.00020	11 57 02.99	+09 38 16.2		5	118
94P	1997 04 25.00395	11 57 02.96	+09 38 15.1		5	118
94P	1997 04 25.00573	11 57 02.93	+09 38 14.6		5	118
94P	1997 04 25.00974	11 57 02.90	+09 38 13.4		5	118
94P	1997 04 25.01341	11 57 02.87	+09 38 12.2		5	118
94P	1997 04 28.59965	11 56 34.92	+09 23 52.8	16.5	T	360
94P	1997 04 28.60365	11 56 34.90	+09 23 51.8			360

96P/Machholz 1

96P	1996 10 13.44676	12 42 43.5	−09 01 10			249
Geocentric position (AU)	−0.00691471	−0.00643388	−0.00258927			
96P	1996 10 13.69669	12 44 19.0	−08 15 44			249
Geocentric position (AU)	−0.00688675	−0.00647505	−0.00261462			
96P	1996 10 13.83029	12 45 15.1	−07 50 47			249
Geocentric position (AU)	−0.00687115	−0.00649774	−0.00262863			
96P	1996 10 13.93282	12 45 53.5	−07 32 33			249
Geocentric position (AU)	−0.00686020	−0.00651356	−0.00263842			
96P	1996 10 14.09742	12 47 12.2	−07 01 09			249
Geocentric position (AU)	−0.00684137	−0.00654053	−0.00265511			
96P	1996 10 14.36060	12 49 23.4	−06 14 06			249
Geocentric position (AU)	−0.00681144	−0.00658286	−0.00268143			
96P	1996 10 14.69808	12 52 41.5	−05 18 22			249
Geocentric position (AU)	−0.00677261	−0.00663675	−0.00271511			
96P	1996 10 14.73559	12 52 59.6	−05 13 41			249
Geocentric position (AU)	−0.00676864	−0.00664221	−0.00271853			
96P	1997 04 15.56902	19 38 26.75	−19 28 00.8	19.4	T	568
96P	1997 04 15.58111	19 38 26.59	−19 28 03.0			568
96P	1997 04 15.59324	19 38 26.45	−19 28 05.0			568
96P	1997 04 15.60525	19 38 26.30	−19 28 07.2			568
96P	1997 04 15.61816	19 38 26.15	−19 28 09.3			568
96P	1997 04 17.56932	19 38 01.91	−19 33 48.0			568
96P	1997 04 17.58890	19 38 01.59	−19 33 51.9			568

100P/Hartley 1

100P	1997 04 11.65800	13 19 15.56	+14 19 27.0	14.9	T	867
100P	1997 04 11.66286	13 19 15.13	+14 19 22.5			867
100P	1997 04 25.62252	12 59 45.46	+09 52 57.5	15.3	T	402
100P	1997 04 25.62530	12 59 45.24	+09 52 53.7			402
100P	1997 04 25.62808	12 59 45.01	+09 52 50.3			402
100P	1997 04 28.60972	12 56 05.16	+08 47 01.7	15.1	T	360
100P	1997 04 28.61302	12 56 04.93	+08 46 57.4			360
100P	1997 05 02.95907	12 51 14.36	+07 07 05.1			118
100P	1997 05 02.97122	12 51 13.53	+07 06 48.1	15.9	T	118
100P	1997 05 03.11060	12 51 04.65	+07 03 34.5			954
100P	1997 05 03.13332	12 51 03.20	+07 03 02.2			954
100P	1997 05 03.15358	12 51 01.92	+07 02 33.8			954
100P	1997 05 14.90094	12 41 38.28	+02 18 41.4			954
100P	1997 05 14.96448	12 41 35.94	+02 17 07.7			954
100P	1997 05 15.00606	12 41 34.36	+02 16 03.7		C	118
100P	1997 05 15.01730	12 41 33.96	+02 15 47.1	16.3	T C	118

103P/Hartley 2

103P	1997 05 02.46880	19 51 00.45	−07 10 58.6	19.6	T	696
103P	1997 05 02.47293	19 51 00.57	−07 10 56.7	19.7	T	696
103P	1997 05 03.16509	19 51 22.39	−07 05 26.4			954
103P	1997 05 03.20066	19 51 23.47	−07 05 08.4			954
103P	1997 05 03.42648	19 51 30.50	−07 03 20.0	19.3	T	696
103P	1997 05 03.43043	19 51 30.63	−07 03 18.2	19.6	T	696
103P	1997 05 03.43439	19 51 30.76	−07 03 16.2	19.5	T	696
103P	1997 05 05.14947	19 52 22.06	−06 49 28.7			954
103P	1997 05 15.19568	19 56 18.23	−05 26 32.1			954
103P	1997 05 15.19909	19 56 18.29	−05 26 30.6			954
103P	1997 05 15.20456	19 56 18.37	−05 26 28.7			954
103P	1997 05 15.21003	19 56 18.50	−05 26 25.1			954
103P	1997 05 15.21571	19 56 18.58	−05 26 22.6			954
103P	1997 05 15.22147	19 56 18.68	−05 26 20.5			954
103P	1997 05 15.22693	19 56 18.78	−05 26 17.2			954
103P	1997 05 15.23103	19 56 18.86	−05 26 15.2			954

118P/Shoemaker-Levy 4

118P	1997 05 04.46476	07 35 10.04	+19 37 20.5	15.3	T	360
118P	1997 05 04.46736	07 35 10.34	+19 37 20.6			360
118P	1997 05 15.83613	07 57 55.80	+19 14 27.0			118
118P	1997 05 15.83914	07 57 56.14	+19 14 26.7	15.6	T	118
118P	1997 05 19.88514	08 06 03.36	+19 02 31.1			046
118P	1997 05 19.88686	08 06 03.63	+19 02 29.0			046
118P	1997 05 19.89006	08 06 04.08	+19 02 29.1			046

119P/Parker-Hartley

119P	1997 04 28.83368	07 19 15.11	+17 52 46.7		A	118
119P	1997 04 28.83622	07 19 15.28	+17 52 46.0	17.4	T A	118

121P/Shoemaker-Holt 2

121P	1997 04 20.87015	10 18 18.93	+31 26 16.3	15.4	T		605
121P	1997 04 20.88766	10 18 18.77	+31 26 05.5	15.4	T		605
121P	1997 04 24.98174	10 19 28.84	+31 03 15.9			5	118
121P	1997 04 24.98763	10 19 28.93	+31 03 14.3			5	118
121P	1997 04 24.99179	10 19 29.01	+31 03 12.6			5	118
121P	1997 04 29.55347	10 21 09.92	+30 35 33.8	16.2	T		360
121P	1997 04 29.55677	10 21 10.04	+30 35 32.7				360
121P	1997 05 01.86387	10 22 10.25	+30 20 43.0	16.7	T		046
121P	1997 05 01.86931	10 22 10.35	+30 20 41.5				046
121P	1997 05 01.87068	10 22 10.42	+30 20 40.5				046
121P	1997 05 17.88208	10 31 36.76	+28 25 30.3			5	118
121P	1997 05 17.89113	10 31 37.12	+28 25 25.9	16.6	T	5	118

122P/de Vico

122P	1995 10 22.14897	13 03 53.67	+30 56 16.1				045
122P	1995 10 22.15153	13 03 55.15	+30 56 18.2				045
122P	1995 10 22.15346	13 03 56.27	+30 56 19.7				045
122P	1995 10 22.15450	13 03 56.81	+30 56 21.7				045
122P	1995 10 22.15681	13 03 58.15	+30 56 24.5				045
122P	1995 10 23.14704	13 13 18.62	+31 11 41.9				045
122P	1995 10 23.14824	13 13 19.31	+31 11 43.1				045
122P	1995 10 23.14960	13 13 20.07	+31 11 44.4				045
122P	1995 10 23.15054	13 13 20.65	+31 11 44.4				045
122P	1995 10 23.15140	13 13 21.11	+31 11 45.8				045
122P	1995 10 23.15200	13 13 21.46	+31 11 46.0				045
122P	1995 10 24.14821	13 22 36.84	+31 23 26.0				045
122P	1995 10 24.15094	13 22 38.33	+31 23 27.4				045
122P	1995 10 24.15192	13 22 38.87	+31 23 28.3				045
122P	1995 10 25.15046	13 31 45.15	+31 31 39.4				045
122P	1995 10 25.15152	13 31 45.73	+31 31 39.3				045
122P	1995 10 25.15256	13 31 46.33	+31 31 39.5				045
122P	1995 10 26.16517	13 40 48.66	+31 36 32.0				045
122P	1995 10 26.16610	13 40 49.14	+31 36 31.9				045
122P	1995 10 26.16686	13 40 49.56	+31 36 32.7				045
122P	1995 10 26.16968	13 40 51.07	+31 36 33.3				045
122P	1995 10 27.16406	13 49 30.86	+31 38 16.1				045
122P	1995 10 27.16528	13 49 31.49	+31 38 15.2				045
122P	1995 10 27.16615	13 49 32.24	+31 38 16.2				045

130P/McNaught-Hughes

130P	1997 04 16.44773	15 22 59.38	−10 31 03.0	20.6	T		691
130P	1997 04 16.47023	15 22 58.57	−10 31 00.0	20.6	T		691
130P	1997 04 16.48596	15 22 58.04	−10 30 58.0	20.1	T		691
130P	1997 04 29.65512	15 14 06.69	−09 58 52.3	20.3	T	4	360
130P	1997 04 29.66510	15 14 06.18	−09 58 50.8			4	360
130P	1997 04 29.67682	15 14 05.69	−09 58 48.6			4	360
130P	1997 05 03.36933	15 11 11.17	−09 50 05.3	19.9	T		691
130P	1997 05 03.39598	15 11 09.83	−09 50 01.6	19.7	T		691
130P	1997 05 03.41620	15 11 08.83	−09 49 58.9	19.7	T		691
130P	1997 05 06.61100	15 08 32.40	−09 42 47.8	20.2	T		402
130P	1997 05 06.61586	15 08 32.18	−09 42 46.5				402
130P	1997 05 09.57243	15 06 04.11	−09 36 26.9	20.4	T		402
130P	1997 05 09.57729	15 06 03.59	−09 36 27.7				402
130P	1997 05 09.58215	15 06 03.58	−09 36 29.7				402

Note 1: poor image. 2: measurement difficult. 3: position on *MPC* 27755 only approximate. 4: faint image. 5: poor distribution of reference stars. 6: poor sky. 7: very faint image. 8: mean of trail-ends positions on *IAUC* 6642. 9: involved with star. A: poor image. 7: very faint image. B: position on *MPC* 5922 only approximate. C: declination 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

1981 JE_3		1995 09 02.00833	23 01 55.30	−04 39 46.6	18.4	010
1981 JE_3		1995 09 02.01875	23 01 54.79	−04 39 49.8		010
1981 JE_3		1995 09 02.02656	23 01 54.52	−04 39 52.7		010
1993 DJ_3	*	1993 02 20.96806	09 10 48.62	+15 33 27.6	18.7	010
1993 DJ_3		1993 02 20.97986	09 10 47.94	+15 33 33.6		010
1993 DJ_3		1993 02 20.99167	09 10 47.17	+15 33 37.3		010
1995 SR_{46}		1995 09 02.00833	23 00 32.47	−06 04 43.9	19.0	010
1995 SR_{46}		1995 09 02.01875	23 00 31.93	−06 04 46.7		010
1995 SR_{46}		1995 09 02.02656	23 00 31.55	−06 04 48.7		010

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

1987 SU		1992 02 27.87014	09 39 02.85	+16 33 15.6		033
1987 SU		1992 02 27.91319	09 39 00.11	+16 33 23.6	17.6	033
1987 SU		1992 02 28.87639	09 38 01.76	+16 36 04.8		033
1990 SV_5		1992 02 27.87014	09 42 04.00	+15 24 00.2		033
1990 SV_5		1992 02 27.91319	09 42 01.86	+15 24 16.4	18.1	033
1990 SV_5		1992 02 28.87639	09 41 15.93	+15 30 19.0		033
1990 TP_7		1992 02 27.87014	09 44 23.96	+15 06 29.3		V 033
1990 TP_7		1992 02 27.91319	09 44 21.87	+15 06 38.4	18.7	033
1990 TP_7		1992 02 28.87639	09 43 37.81	+15 09 49.3		033
1992 DO_{13}	*	1992 02 27.87014	09 38 16.84	+16 11 30.7		033
1992 DO_{13}		1992 02 27.91319	09 38 14.63	+16 11 39.6	18.9	033
1992 DO_{13}		1992 02 28.87639	09 37 27.77	+16 14 53.2		033
1992 DP_{13}	*	1992 02 27.87014	09 39 30.05	+16 12 29.6		033
1992 DP_{13}		1992 02 27.91319	09 39 28.22	+16 12 51.2	19.9	033
1992 DP_{13}		1992 02 28.87639	09 38 47.82	+16 20 29.1		033
1992 DQ_{13}	*	1992 02 27.87014	09 39 32.95	+16 15 19.9		033
1992 DQ_{13}		1992 02 27.91319	09 39 30.82	+16 15 32.8	18.5	033
1992 DQ_{13}		1992 02 28.87639	09 38 45.20	+16 20 11.4		033
1992 DR_{13}	*	1992 02 27.87014	09 40 22.90	+14 38 38.4		033
1992 DR_{13}		1992 02 27.91319	09 40 20.86	+14 38 50.2	18.6	033
1992 DR_{13}		1992 02 28.87639	09 39 39.12	+14 43 12.1		V 033
1992 DS_{13}	*	1992 02 27.87014	09 42 22.47	+15 47 15.8		V 033
1992 DS_{13}		1992 02 27.91319	09 42 20.47	+15 47 25.5	19.1	033
1992 DS_{13}		1992 02 28.87639	09 41 39.48	+15 51 06.4		V 033
1992 DT_{13}	*	1992 02 27.87014	09 45 21.70	+15 48 46.2		033
1992 DT_{13}		1992 02 27.91319	09 45 19.53	+15 48 57.3	18.2	033
1992 DT_{13}		1992 02 28.87639	09 44 33.33	+15 53 00.3		033
1992 DU_{13}	*	1992 02 27.87014	09 50 32.07	+15 36 47.8		033
1992 DU_{13}		1992 02 27.91319	09 50 29.41	+15 36 50.9	17.7	033
1992 DU_{13}		1992 02 28.87639	09 49 32.81	+15 37 58.5		033
1992 FY_3	*	1992 03 30.90035	09 29 08.42	+16 00 56.2		033
1992 FY_3		1992 04 03.87986	09 28 51.12	+15 59 26.5	19.5	033
1993 FZ_{24}		1995 10 25.94444	02 54 51.55	+22 14 18.6		033
1993 FZ_{24}		1995 10 25.98472	02 54 49.35	+22 14 13.4	19.1	033
1994 RQ		1992 02 27.87014	09 47 38.22	+16 05 17.8		033
1994 RQ		1992 02 27.91319	09 47 35.78	+16 05 29.0	18.8	033
1994 RQ		1992 02 28.87639	09 46 43.84	+16 09 18.4		033
1996 BG_2		1992 02 27.87014	09 38 59.96	+14 49 34.0		033
1996 BG_2		1992 02 27.91319	09 38 57.01	+14 49 24.1	17.4	033
1996 BG_2		1992 02 28.87639	09 37 53.33	+14 45 51.0		033
1997 AL_1		1992 02 09.02361	11 09 48.20	−13 12 59.9		033
1997 AL_1		1992 02 09.07014	11 09 46.39	−13 13 09.7	17.5	033
4008 T-3		1995 02 22.89722	08 50 49.76	+24 28 57.5	16.7	033
4008 T-3		1995 02 22.93889	08 50 47.63	+24 29 08.5		033
(2164)		1992 02 27.87014	09 38 35.87	+15 59 17.0		033
(2164)		1992 02 27.91319	09 38 33.98	+15 59 26.9	18.0	033
(2164)		1992 02 28.87639	09 37 53.50	+16 03 04.0		033
(2514)		1992 02 27.87014	09 48 28.87	+15 08 00.6		033
(2514)		1992 02 27.91319	09 48 26.54	+15 08 09.5	17.9	033
(2514)		1992 02 28.87639	09 47 37.07	+15 11 31.3		033
(4782)		1992 02 27.87014	09 42 00.91	+14 13 42.5		033
(4782)		1992 02 27.91319	09 41 58.77	+14 13 51.0	17.8	033
(4782)		1992 02 28.87639	09 41 13.02	+14 17 17.2		033
(6946)		1992 02 27.87014	09 39 04.72	+14 43 36.1		033
(6946)		1992 02 27.91319	09 39 02.36	+14 43 53.1	17.5	033
(6946)		1992 02 28.87639	09 38 11.42	+14 50 05.0		033

046 Kleť
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Observers J. Tichá, M. Tichý, Z. Moravec
Measurer M. Tichý
0.57-m reflector + CCD
GSC

1983 TE_1		1997 05 03.84166	12 20 38.37	−04 04 15.5	18.7 V	046
1983 TE_1		1997 05 03.84580	12 20 38.26	−04 04 14.6		046
1983 TE_1		1997 05 03.84819	12 20 38.21	−04 04 13.5		046
1983 TE_1		1997 05 04.86205	12 20 12.35	−03 59 11.6	18.5 V	046
1983 TE_1		1997 05 04.86649	12 20 12.27	−03 59 10.2		046
1983 TE_1		1997 05 04.86851	12 20 12.20	−03 59 09.9		046
1983 VH_1		1997 05 05.97014	14 27 29.71	−03 45 35.5	17.0 V	046
1983 VH_1		1997 05 05.97391	14 27 29.54	−03 45 35.3		046
1983 VH_1		1997 05 05.97635	14 27 29.42	−03 45 35.1		046
1983 VH_1		1997 05 16.83862	14 19 23.48	−03 35 02.0	16.8 V	046
1983 VH_1		1997 05 16.85042	14 19 22.98	−03 35 01.9		046
1983 VH_1		1997 05 16.85336	14 19 22.88	−03 35 02.1		046
1984 WA_1		1997 04 10.12078	15 38 12.95	−11 03 57.5	19.2 V	046
1984 WA_1		1997 04 10.12537	15 38 12.72	−11 03 58.2		046
1984 WA_1		1997 04 10.12778	15 38 12.60	−11 03 58.4		046
1988 XB		1997 05 10.92147	16 50 59.08	−19 41 00.3		046
1988 XB		1997 05 10.92427	16 50 58.90	−19 40 59.3		046
1988 XB		1997 05 12.02194	16 50 06.90	−19 42 03.7	18.4 V	046
1988 XB		1997 05 12.02388	16 50 06.77	−19 42 03.4		046
1988 XB		1997 05 12.02638	16 50 06.65	−19 42 04.2		046
1988 XB		1997 05 12.02873	16 50 06.51	−19 42 04.2		046

1989 AC_2	1997 05 06.00307	14 40 05.20	−15 52 32.5	17.7 V	046	1997 CC_{22}	1997 05 04.85600	10 41 58.36	+07 24 36.2		046
1989 AC_2	1997 05 06.00714	14 40 04.98	−15 52 31.4		046	1997 CU_{26}	1997 05 11.83306	08 26 04.19	+15 26 55.7	17.6 R	046
1989 AC_2	1997 05 06.01167	14 40 04.73	−15 52 30.3		046	1997 CU_{26}	1997 05 11.85175	08 26 04.32	+15 26 55.6		046
1989 AC_2	1997 05 16.97522	14 29 46.55	−15 01 54.8		046	1997 CU_{26}	1997 05 17.89306	08 27 00.55	+15 22 15.2		S 046
1989 AC_2	1997 05 16.97759	14 29 46.39	−15 01 54.9		046	1997 CU_{26}	1997 05 17.90153	08 27 00.63	+15 22 14.2		S 046
1989 CB_4	1997 04 10.08912	15 08 12.73	−10 23 06.9	18.6 V	046	1997 EJ_6	1997 04 24.85238	09 16 14.69	+28 59 06.8	18.4 V	046
1989 CB_4	1997 04 10.09291	15 08 12.57	−10 23 05.5		046	1997 EJ_6	1997 04 24.85406	09 16 14.79	+28 59 04.9		046
1989 CB_4	1997 04 10.09828	15 08 12.37	−10 23 03.8		046	1997 EJ_6	1997 04 24.85574	09 16 14.81	+28 59 04.6		046
1991 VH	1997 05 03.82484	11 07 40.82	+39 16 05.6	17.9 V	046	1997 EJ_6	1997 04 24.85742	09 16 14.87	+28 59 03.7		046
1991 VH	1997 05 03.82899	11 07 41.01	+39 16 02.7		046	1997 EJ_6	1997 04 24.86095	09 16 15.07	+28 59 02.6		046
1991 VH	1997 05 03.83097	11 07 41.09	+39 16 01.2		046	1997 EJ_6	1997 05 04.81609	09 23 00.54	+27 45 22.3		046
1992 CC_1	1997 05 04.83350	10 01 52.01	−05 44 44.6	18.7 V	046	1997 EJ_6	1997 05 04.82056	09 23 00.80	+27 45 20.9		046
1992 CC_1	1997 05 04.83596	10 01 51.96	−05 44 45.4		046	1997 EJ_6	1997 05 04.82719	09 23 01.14	+27 45 18.4	18.7 V	046
1992 CC_1	1997 05 04.84184	10 01 51.95	−05 44 46.4		046	1997 GX	1997 04 08.97381	13 10 06.79	−06 17 12.0	19.1 V	046
1992 LR	1997 05 17.05779	19 47 15.13	−19 00 33.7	17.7 V	046	1997 GX	1997 04 08.97578	13 10 06.75	−06 17 11.3		046
1992 LR	1997 05 17.06431	19 47 16.98	−19 00 27.2		046	1997 GX	1997 04 08.97868	13 10 06.61	−06 17 10.4		046
1994 QC	1997 05 17.98922	17 12 40.27	+41 27 59.7	17.6 V	046	1997 GX	1997 04 08.98164	13 10 06.46	−06 17 09.4		046
1994 QC	1997 05 17.99156	17 12 40.30	+41 28 02.2		046	1997 GX	1997 04 10.03751	13 09 17.82	−06 11 38.2	19.0 V	046
1994 QC	1997 05 17.99373	17 12 40.31	+41 28 04.3		046	1997 GX	1997 04 10.04340	13 09 17.56	−06 11 37.0		046
1994 QC	1997 05 17.99720	17 12 40.35	+41 28 08.3		046	1997 GY	1997 04 09.00150	14 03 59.04	−12 10 00.7	18.6 V	046
1995 UK_1	1997 05 04.88726	13 37 21.49	−10 16 00.7	18.3 V	046	1997 GY	1997 04 09.00352	14 03 58.94	−12 09 59.9		046
1995 UK_1	1997 05 04.89037	13 37 21.33	−10 16 01.2		046	1997 GY	1997 04 09.00538	14 03 58.84	−12 09 59.3		046
1995 UK_1	1997 05 05.94569	13 36 25.26	−10 11 08.6	18.5 V	046	1997 GY	1997 04 10.06031	14 03 04.22	−12 02 42.0	18.5 V	046
1995 UK_1	1997 05 05.94802	13 36 25.13	−10 11 08.4		046	1997 GY	1997 04 10.06367	14 03 04.04	−12 02 40.8		046
1995 UK_1	1997 05 05.95190	13 36 24.89	−10 11 06.5		046	1997 GY	1997 04 10.06729	14 03 03.84	−12 02 39.3		046
1995 XJ	1997 05 05.93074	12 51 03.81	+08 26 33.7	18.7 V	046	1997 GY	1997 05 03.85285	13 41 37.94	−09 12 06.8	18.8 V	046
1995 XJ	1997 05 05.93264	12 51 03.75	+08 26 33.9		046	1997 GY	1997 05 03.85670	13 41 37.77	−09 12 04.7		046
1995 XJ	1997 05 05.93466	12 51 03.71	+08 26 32.6		046	1997 GY	1997 05 03.86145	13 41 37.55	−09 12 03.2		046
1996 AE	1997 05 05.95747	14 11 12.03	−16 13 39.5	18.8 V	046	1997 GY	1997 05 04.92275	13 40 48.10	−09 05 21.5	18.9 V	046
1996 AE	1997 05 05.96149	14 11 11.83	−16 13 37.4		046	1997 GY	1997 05 04.92691	13 40 47.86	−09 05 20.0		046
1996 AE	1997 05 05.96348	14 11 11.71	−16 13 36.7		046	1997 GY	1997 05 04.92891	13 40 47.81	−09 05 19.1		046
1996 AE	1997 05 05.96534	14 11 11.65	−16 13 35.6		046	1997 GH_3	1997 04 24.86508	09 53 37.28	+15 17 43.9	17.3 V	046
1996 AE	1997 05 11.97612	14 05 57.31	−15 34 07.2	19.0 V	046	1997 GH_3	1997 04 24.86647	09 53 37.81	+15 17 41.7		046
1996 AE	1997 05 11.97839	14 05 57.13	−15 34 06.3		046	1997 GH_3	1997 04 24.86774	09 53 38.28	+15 17 40.0		046
1996 AE	1997 05 11.98258	14 05 56.97	−15 34 05.0		046	1997 GH_3	1997 04 24.86932	09 53 38.87	+15 17 37.8		046
1996 AO_1	1997 05 05.98066	14 31 10.50	−11 52 36.2	18.5 V	046	1997 GH_3	1997 05 01.83196	10 35 54.20	+12 26 27.5	16.4 V	046
1996 AO_1	1997 05 05.98255	14 31 10.40	−11 52 36.7		046	1997 GH_3	1997 05 01.83328	10 35 54.64	+12 26 25.4		046
1996 AO_1	1997 05 05.98472	14 31 10.26	−11 52 35.5		046	1997 GH_3	1997 05 01.83456	10 35 55.06	+12 26 23.5		046
1997 AN_{17}	1997 04 24.80887	07 18 12.58	+11 57 19.1	18.4 V	046	1997 GH_3	1997 05 01.83575	10 35 55.46	+12 26 21.7		046
1997 AN_{17}	1997 04 24.81130	07 18 12.72	+11 57 18.3		046	1997 GH_3	1997 05 03.81280	10 47 00.63	+11 35 23.0	16.3 V	046
1997 AN_{17}	1997 04 24.81541	07 18 13.04	+11 57 17.7		046	1997 GH_3	1997 05 03.81410	10 47 01.04	+11 35 21.1		046
1997 BR	1997 05 16.99204	09 07 38.11	+74 22 49.2	18.3 V	046	1997 GH_3	1997 05 03.81535	10 47 01.46	+11 35 19.0		046
1997 BR	1997 05 16.99402	09 07 38.36	+74 22 50.6		046	1997 GH_3	1997 05 10.89998	11 23 17.06	+08 32 13.2	16.8 V	046
1997 BR	1997 05 16.99884	09 07 38.52	+74 22 53.3		046	1997 GH_3	1997 05 10.90124	11 23 17.40	+08 32 11.1		046
1997 BR	1997 05 17.00109	09 07 38.88	+74 22 54.8		046	1997 GH_3	1997 05 10.90303	11 23 17.91	+08 32 08.5		046
1997 CX_{19}	1997 05 02.86126	10 42 17.64	+07 28 56.2		046	1997 GZ_3	1997 04 13.86972	10 49 31.43	+09 01 19.4	18.6 V	046
1997 CX_{19}	1997 05 02.86316	10 42 17.70	+07 28 55.6		046	1997 GZ_3	1997 04 13.87194	10 49 31.33	+09 01 19.4		046
1997 CX_{19}	1997 05 02.86499	10 42 17.75	+07 28 55.0		046	1997 GZ_3	1997 04 13.87395	10 49 31.28	+09 01 19.7		046
1997 CC_{22}	1997 05 04.84743	10 41 58.03	+07 24 38.1	18.3 V	046	1997 GZ_3	1997 04 13.87602	10 49 31.19	+09 01 18.3		046
1997 CC_{22}	1997 05 04.84991	10 41 58.16	+07 24 37.8		046	1997 GZ_3	1997 05 02.86126	10 41 59.06	+07 33 07.3	18.6 V	046
1997 CC_{22}	1997 05 04.85192	10 41 58.16	+07 24 36.2		046	1997 GZ_3	1997 05 02.86316	10 41 59.02	+07 33 07.0		046
1997 CC_{22}	1997 05 04.85417	10 41 58.19	+07 24 36.4		046	1997 GZ_3	1997 05 02.86499	10 41 58.95	+07 33 07.1		046

1997 GZ_3		1997 05 04.84743	10 41 42.81	+07 21 49.1			046
1997 GZ_3		1997 05 04.85417	10 41 42.80	+07 21 43.6			046
1997 GA_4		1997 04 13.92038	13 05 26.22	−06 10 51.5	18.8	V	046
1997 GA_4		1997 04 13.92228	13 05 26.16	−06 10 52.3			046
1997 GC_{32}		1997 05 12.03506	19 12 03.56	+06 01 51.5	17.5	V	046
1997 GC_{32}		1997 05 12.03625	19 12 04.25	+06 01 57.6			046
1997 GC_{32}		1997 05 12.04124	19 12 07.17	+06 02 22.6			046
1997 GC_{32}		1997 05 12.04531	19 12 09.54	+06 02 43.5			046
1997 GC_{32}		1997 05 12.04619	19 12 10.05	+06 02 47.7	17.2	V	046
1997 GC_{32}		1997 05 17.07219	20 11 29.91	+13 59 23.5			046
1997 GC_{32}		1997 05 17.07282	20 11 30.37	+13 59 27.2			046
1997 GC_{32}		1997 05 17.07473	20 11 32.00	+13 59 38.9			046
1997 GC_{32}		1997 05 18.03369	20 25 10.15	+15 38 58.1	16.8	V	046
1997 GC_{32}		1997 05 18.03609	20 25 12.25	+15 39 13.0			046
1997 GC_{32}		1997 05 18.03897	20 25 14.76	+15 39 31.3			046
1997 GC_{32}		1997 05 18.04106	20 25 16.54	+15 39 44.2			046
1997 GD_{32}		1997 05 02.08959	18 47 15.87	+16 03 35.3	17.0	V t	046
1997 GD_{32}		1997 05 02.09397	18 47 30.54	+16 03 48.7		t	046
1997 GD_{32}		1997 05 02.09472	18 47 33.11	+16 03 51.5		t	046
1997 GD_{32}		1997 05 02.09617	18 47 37.91	+16 03 55.7		t	046
1997 JA	*	1997 05 01.84722	14 37 17.69	−12 49 33.8	17.6	V	046
1997 JA		1997 05 01.84920	14 37 17.50	−12 49 33.4			046
1997 JA		1997 05 01.85117	14 37 17.50	−12 49 33.1			046
1997 JA		1997 05 01.85506	14 37 17.28	−12 49 32.5			046
1997 JA		1997 05 02.87630	14 36 28.70	−12 46 15.9	18.0	V	046
1997 JA		1997 05 02.87797	14 36 28.63	−12 46 16.0			046
1997 JA		1997 05 02.87965	14 36 28.53	−12 46 15.4			046
1997 JA		1997 05 02.88133	14 36 28.44	−12 46 15.2			046
1997 JA		1997 05 02.88301	14 36 28.37	−12 46 14.8			046
1997 JC		1997 05 02.90381	14 35 04.02	−13 04 45.9	19.2	V	046
1997 JC		1997 05 02.90574	14 35 03.74	−13 04 47.5			046
1997 JC		1997 05 02.91007	14 35 03.26	−13 04 49.8			046
1997 JC		1997 05 02.91203	14 35 03.05	−13 04 50.9			046
1997 JC		1997 05 04.90747	14 31 07.04	−13 25 34.4	19.4	V	046
1997 JC		1997 05 04.91738	14 31 05.79	−13 25 41.7			046
1997 JC		1997 05 04.93596	14 31 03.50	−13 25 52.9			046
1997 JC		1997 05 04.94824	14 31 01.97	−13 25 59.3			046
(2060)		1997 05 17.91660	13 39 54.02	−10 14 46.4			046
(2060)		1997 05 17.91924	13 39 53.98	−10 14 46.1			046
(2060)		1997 05 17.92420	13 39 53.91	−10 14 45.5			046
(3040)		1997 05 18.00772	18 04 53.40	+45 26 55.7	17.9	V	046
(3040)		1997 05 18.01144	18 04 53.21	+45 26 57.4			046
(3040)		1997 05 18.01517	18 04 52.94	+45 26 58.9			046
(3271)		1997 05 10.91021	13 48 55.44	+28 43 02.8	19.0	V	046
(3271)		1997 05 10.91355	13 48 55.20	+28 43 04.5			046
(3271)		1997 05 10.91523	13 48 55.09	+28 43 05.1			046
(3271)		1997 05 11.96275	13 47 54.66	+28 50 14.6	19.0	V	046
(3271)		1997 05 11.96666	13 47 54.43	+28 50 16.3			046
(3271)		1997 05 11.96859	13 47 54.33	+28 50 17.5			046
(3671)		1997 05 03.88510	13 59 10.19	+26 56 43.6	16.4	V	046
(3671)		1997 05 03.88795	13 59 09.86	+26 56 44.6			046
(3671)		1997 05 03.88994	13 59 09.64	+26 56 45.2			046
(5063)		1997 05 03.84166	12 20 22.46	−04 04 15.5	18.7	V	046
(5063)		1997 05 03.84580	12 20 22.29	−04 04 14.2			046
(5063)		1997 05 03.84819	12 20 22.21	−04 04 14.0			046
(6050)		1997 05 04.96281	15 08 22.40	−10 40 02.8	18.6	V	046
(6050)		1997 05 04.96449	15 08 22.26	−10 40 02.3			046
(6050)		1997 05 04.96617	15 08 22.20	−10 40 02.0			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

1977 QK_1		1997 01 30.97980	09 52 29.94	+14 14 34.0			098
1977 QK_1		1997 01 31.00064	09 52 28.78	+14 14 38.4			098
1977 QK_1		1997 02 07.05729	09 45 13.77	+14 48 01.1			098
1977 QK_1		1997 02 07.07813	09 45 12.34	+14 48 06.9			098
1977 QK_1		1997 02 07.96756	09 44 16.48	+14 52 20.1			098
1977 QK_1		1997 02 07.98839	09 44 15.12	+14 52 25.6			098
1977 QK_1		1997 03 07.94722	09 18 00.79	+16 37 40.8			098
1977 QK_1		1997 03 07.96806	09 17 59.83	+16 37 42.9			098
1977 QK_1		1997 03 10.94980	09 16 02.47	+16 44 07.9			098
1977 QK_1		1997 03 10.97157	09 16 01.66	+16 44 09.5			098
1977 QK_1		1997 03 12.99883	09 14 49.61	+16 47 55.2			098
1985 RA_4		1997 01 31.92465	10 55 54.44	+10 22 11.6			098
1985 RA_4		1997 01 31.94547	10 55 53.66	+10 22 15.1			098
1985 RA_4		1997 02 07.10104	10 51 39.89	+10 39 07.1			098
1985 RA_4		1997 02 07.12188	10 51 38.71	+10 39 10.8			098
1985 RA_4		1997 02 08.01552	10 50 58.62	+10 41 51.0			098
1985 RA_4		1997 02 08.03641	10 50 57.69	+10 41 54.3	18.0	V	098
1992 YB		1997 02 07.10104	10 50 59.30	+08 57 56.0			098
1992 YB		1997 02 07.12188	10 50 58.42	+08 58 06.2			098
1992 YB		1997 02 08.01552	10 50 18.49	+09 05 10.9			098
1992 YB		1997 02 08.03641	10 50 17.56	+09 05 20.7	17.5	V	098
1994 PC_7		1997 01 31.92465	10 50 48.41	+08 19 29.8			098
1994 PC_7		1997 01 31.94547	10 50 48.07	+08 19 35.8			098
1994 PC_7		1997 02 07.10104	10 47 33.41	+09 06 43.2			098
1994 PC_7		1997 02 07.12188	10 47 32.51	+09 06 54.7			098
1994 PC_7		1997 02 08.01552	10 47 00.87	+09 14 09.6			098
1994 PC_7		1997 02 08.03641	10 47 00.03	+09 14 20.9	17.5	V	098
1995 TB_1		1997 02 07.10104	10 53 13.67	+09 34 11.0			098
1995 TB_1		1997 02 07.12188	10 53 12.87	+09 34 19.7			098
1995 TB_1		1997 02 08.01552	10 52 32.31	+09 40 09.8			098
1995 TB_1		1997 02 08.03641	10 52 31.38	+09 40 18.1			098
1995 WO_8		1997 02 07.10104	10 59 08.87	+09 50 15.0			098
1995 WO_8		1997 02 07.12188	10 59 08.34	+09 50 26.6			098
1995 WO_8		1997 02 08.01552	10 58 44.99	+09 59 10.5			098
1995 WO_8		1997 02 08.03641	10 58 44.42	+09 59 23.3	15.5	V	098
1997 BC_9		1997 03 03.97882	10 18 30.50	+12 23 58.3			098
1997 BC_9		1997 03 03.99965	10 18 29.14	+12 24 07.2			098
1997 BC_9		1997 03 07.98889	10 14 41.99	+12 50 00.0			098
1997 BC_9		1997 03 08.00972	10 14 40.80	+12 50 07.4			098
1997 BC_9		1997 03 10.99543	10 11 58.50	+13 08 19.6			098

1997 BC_{9}	1997 03 11.01662	10 11 57.36	+13 08 27.1	17.5 V	098	1997 EP_{39}	1997 02 07.98839	09 45 56.89	+13 52 12.1		098
1997 BC_{9}	1997 03 13.03275	10 10 12.02	+13 20 07.8		098	1997 EP_{39}	1997 03 03.89410	09 23 02.00	+14 23 00.9		098
1997 BC_{9}	1997 03 13.05359	10 10 11.24	+13 20 15.0		098	1997 EP_{39}	1997 03 03.91493	09 23 00.96	+14 23 07.8	17.5 V	098
1997 BS_{9}	* 1997 01 30.97980	09 51 37.74	+14 19 29.3		098	1997 EP_{39}	1997 03 07.90532	09 20 04.30	+14 24 34.4		098
1997 BS_{9}	1997 01 31.00064	09 51 36.79	+14 19 39.3		098	1997 EP_{39}	1997 03 07.92627	09 20 03.33	+14 24 35.7		098
1997 BS_{9}	1997 02 07.05729	09 46 03.03	+15 16 59.6		098	1997 EP_{39}	1997 03 10.90459	09 18 07.44	+14 24 41.0		098
1997 BS_{9}	1997 02 07.07813	09 46 01.98	+15 17 10.8		098	1997 EP_{39}	1997 03 10.92544	09 18 06.58	+14 24 39.6		098
1997 BS_{9}	1997 02 07.96756	09 45 17.96	+15 24 30.3		098	1997 EP_{39}	1997 03 12.92910	09 16 56.65	+14 24 17.1		098
1997 BS_{9}	1997 02 07.98839	09 45 16.85	+15 24 41.2		098	1997 EP_{39}	1997 03 12.95294	09 16 55.81	+14 24 16.0		098
1997 BS_{9}	1997 03 07.94722	09 23 51.12	+18 48 05.9	18.0 V	098	1997 ES_{39}	1997 01 30.97980	09 43 53.08	+14 00 30.1		098
1997 BS_{9}	1997 03 07.96806	09 23 50.53	+18 48 11.7		098	1997 ES_{39}	1997 01 31.00064	09 43 51.55	+14 00 29.4		098
1997 BS_{9}	1997 03 10.94980	09 22 17.05	+19 03 41.0	18.0 V	098	1997 ES_{39}	1997 02 07.05729	09 36 11.78	+14 07 46.0		098
1997 BS_{9}	1997 03 10.97157	09 22 16.33	+19 03 48.5		098	1997 ES_{39}	1997 02 07.07813	09 36 10.74	+14 07 46.3		098
1997 BS_{9}	1997 03 12.99015	09 21 20.75	+19 13 23.5	18.0 V	098	1997 ES_{39}	1997 02 07.96756	09 35 11.71	+14 08 46.3	17.0 V	098
1997 BS_{9}	1997 03 13.01104	09 21 20.13	+19 13 31.2		098	1997 ES_{39}	1997 02 07.98839	09 35 10.32	+14 08 47.2		098
1997 CY_{2}	1997 01 31.92465	10 56 06.40	+09 57 45.7		098	4004 P-L	1997 01 31.92465	10 55 19.50	+08 31 25.7		098
1997 CY_{2}	1997 01 31.94547	10 56 05.99	+09 57 50.9		098	4004 P-L	1997 01 31.94547	10 55 18.90	+08 31 25.8		098
1997 CY_{2}	1997 02 07.10104	10 52 54.77	+10 30 44.0		098	4004 P-L	1997 02 07.10104	10 51 04.25	+08 47 15.6		098
1997 CY_{2}	1997 02 07.12188	10 52 53.97	+10 30 50.8		098	4004 P-L	1997 02 07.12188	10 51 03.31	+08 47 19.4		098
1997 CY_{2}	1997 02 08.01552	10 52 22.68	+10 35 55.1		098	4004 P-L	1997 02 08.01552	10 50 22.68	+08 49 54.7		098
1997 CY_{2}	1997 02 08.03641	10 52 21.89	+10 36 03.0	17.5 V	098	4004 P-L	1997 02 08.03641	10 50 21.65	+08 49 58.9	17.5 V	098
1997 EA_{36}	1997 01 30.97980	09 47 04.23	+14 43 18.7		098	(452)	1997 01 31.92465	10 56 05.17	+11 11 42.7		098
1997 EA_{36}	1997 01 31.00064	09 47 03.04	+14 43 25.3		098	(452)	1997 01 31.94547	10 56 04.72	+11 11 47.0		098
1997 EA_{36}	1997 02 07.05729	09 40 46.91	+15 24 45.3		098	(452)	1997 02 07.10104	10 52 24.67	+11 42 57.8		098
1997 EA_{36}	1997 02 07.07813	09 40 45.70	+15 24 52.2		098	(452)	1997 02 07.12188	10 52 23.84	+11 43 04.8		098
1997 EA_{36}	1997 02 07.96756	09 39 56.43	+15 30 09.2	17.5 V	098	(452)	1997 02 08.01552	10 51 48.60	+11 47 50.3		098
1997 EA_{36}	1997 02 07.98839	09 39 55.26	+15 30 16.9		098	(452)	1997 02 08.03641	10 51 47.68	+11 47 57.7		098
1997 EA_{36}	1997 03 03.93576	09 19 30.53	+17 31 25.6		098	(1029)	1997 01 31.92465	10 56 15.17	+10 06 20.4		098
1997 EA_{36}	1997 03 03.95690	09 19 29.65	+17 31 31.6		098	(1029)	1997 01 31.94547	10 56 14.61	+10 06 24.2		098
1997 EA_{36}	1997 03 07.94722	09 17 05.02	+17 44 51.9		098	(1029)	1997 02 07.10104	10 52 30.29	+10 30 20.3		098
1997 EA_{36}	1997 03 07.96806	09 17 04.33	+17 44 55.6		098	(1029)	1997 02 07.12188	10 52 29.41	+10 30 26.4		098
1997 EA_{36}	1997 03 10.94980	09 15 33.78	+17 53 14.3	17.3 V	098	(1029)	1997 02 08.01552	10 51 53.46	+10 34 09.4		098
1997 EA_{36}	1997 03 10.97157	09 15 33.17	+17 53 18.4		098	(1029)	1997 02 08.03641	10 51 52.52	+10 34 14.5	15.0 V	098
1997 EQ_{38}	1997 01 30.97980	09 41 57.51	+14 13 48.0		098	(1526)	1997 01 31.92465	10 51 30.48	+08 52 02.4		098
1997 EQ_{38}	1997 01 31.00064	09 41 56.44	+14 13 51.4		098	(1526)	1997 01 31.94547	10 51 29.59	+08 52 03.3		098
1997 EQ_{38}	1997 02 07.05729	09 36 25.77	+14 36 13.8		098	(1526)	1997 02 07.10104	10 46 01.44	+09 07 12.5		098
1997 EQ_{38}	1997 02 07.07813	09 36 24.81	+14 36 18.2		098	(1526)	1997 02 07.12188	10 46 00.30	+09 07 16.6		098
1997 EQ_{38}	1997 02 07.96756	09 35 41.67	+14 39 12.9		098	(1526)	1997 02 08.01552	10 45 08.65	+09 09 44.6		098
1997 EQ_{38}	1997 02 07.98839	09 35 40.59	+14 39 17.2		098	(1526)	1997 02 08.03641	10 45 07.41	+09 09 47.8	16.5 V	098
1997 EQ_{38}	1997 03 03.89410	09 17 48.19	+15 45 32.7		098	(4890)	1997 01 31.92465	10 53 34.22	+11 50 25.9		098
1997 EQ_{38}	1997 03 03.91493	09 17 47.46	+15 45 35.7	17.5 V	098	(4890)	1997 01 31.94547	10 53 33.58	+11 50 32.6		098
1997 EQ_{38}	1997 03 07.90532	09 15 40.03	+15 52 16.5		098	(4890)	1997 02 07.10104	10 49 06.03	+12 31 28.3		098
1997 EQ_{38}	1997 03 07.92627	09 15 39.30	+15 52 17.8		098	(4890)	1997 02 07.12188	10 49 05.01	+12 31 37.4		098
1997 EQ_{38}	1997 03 10.90459	09 14 19.62	+15 56 06.7		098	(4890)	1997 02 08.01552	10 48 21.70	+12 37 54.0		098
1997 EQ_{38}	1997 03 10.92544	09 14 19.04	+15 56 06.8		098	(4890)	1997 02 08.03641	10 48 20.59	+12 38 02.6		098
1997 EQ_{38}	1997 03 12.92910	09 13 33.37	+15 58 06.2		098	(5953)	1997 01 30.97980	09 46 53.64	+14 27 46.3		098
1997 EQ_{38}	1997 03 12.95294	09 13 32.61	+15 58 07.4		098	(5953)	1997 01 31.00064	09 46 52.44	+14 28 02.1		098
1997 EP_{39}	1997 01 30.97980	09 53 50.13	+13 38 52.3		098	(5953)	1997 02 07.05729	09 40 20.83	+16 01 10.4		098
1997 EP_{39}	1997 01 31.00064	09 53 48.95	+13 38 53.2		098	(5953)	1997 02 07.07813	09 40 19.58	+16 01 27.6		098
1997 EP_{39}	1997 02 07.05729	09 46 53.58	+13 50 34.8		098	(5953)	1997 02 07.96756	09 39 28.28	+16 13 18.9		098
1997 EP_{39}	1997 02 07.07813	09 46 52.25	+13 50 37.0		098	(5953)	1997 02 07.98839	09 39 27.09	+16 13 33.8	17.0 V	098
1997 EP_{39}	1997 02 07.96756	09 45 58.28	+13 52 10.0	17.8 V	098	(6106)	1997 01 30.97980	09 51 43.37	+13 59 14.2		098

(6106)	1997 01 31.00064	09 51 42.45	+13 59 19.3		098
(6106)	1997 02 07.05729	09 46 35.16	+14 29 38.4		098
(6106)	1997 02 07.07813	09 46 34.21	+14 29 43.2		098
(6106)	1997 02 07.96756	09 45 54.37	+14 33 34.7		098
(6106)	1997 02 07.98839	09 45 53.40	+14 33 39.7		098
(6621)	1997 02 07.10104	10 51 35.24	+12 33 33.6		098
(6621)	1997 02 07.12188	10 51 34.43	+12 33 42.4		098
(6621)	1997 02 08.01552	10 50 53.44	+12 40 13.5		098
(6621)	1997 02 08.03641	10 50 52.34	+12 40 23.3		098
(6675)	1997 02 07.10104	10 53 34.93	+09 44 45.3		098
(6675)	1997 02 07.12188	10 53 34.06	+09 44 52.0		098
(6675)	1997 02 08.01552	10 53 00.93	+09 48 43.8		098
(6675)	1997 02 08.03641	10 53 00.06	+09 48 49.2		098
(7513)	1997 01 31.92465	10 57 26.59	+10 03 14.0		098
(7513)	1997 01 31.94547	10 57 25.83	+10 03 17.8		098
(7513)	1997 02 07.10104	10 52 28.35	+10 32 46.3		098
(7513)	1997 02 07.12188	10 52 27.27	+10 32 53.2		098
(7513)	1997 02 08.01552	10 51 39.70	+10 37 25.9		098
(7513)	1997 02 08.03641	10 51 38.66	+10 37 32.8	18.0 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

1991 RN_{13}	1997 05 03.94219	14 28 02.76	−21 11 53.3		104
1991 RN_{13}	1997 05 03.95590	14 28 01.88	−21 11 48.8		104
1991 RN_{13}	1997 05 03.96574	14 28 01.27	−21 11 45.5		104
1993 CP_1	1997 05 01.82274	09 20 56.10	+14 53 52.4	17.9 V	104
1993 CP_1	1997 05 01.82708	09 20 56.34	+14 53 52.5		104
1993 CP_1	1997 05 01.83137	09 20 56.55	+14 53 52.1		104
1994 PH_{18}	1997 05 03.95023	14 31 20.23	−10 28 42.4		104
1994 PH_{18}	1997 05 03.96169	14 31 19.62	−10 28 39.0		104
1994 PH_{18}	1997 05 03.97153	14 31 19.11	−10 28 35.9		104
1994 QC	1997 05 03.92234	17 04 36.64	+35 38 07.2		104
1994 QC	1997 05 03.92674	17 04 36.88	+35 38 15.6		104
1994 QC	1997 05 03.93102	17 04 37.09	+35 38 23.7		104
1995 UM_8	1997 05 03.94525	14 30 54.20	−16 26 20.8		104
1995 UM_8	1997 05 03.95787	14 30 53.36	−16 26 18.5		104
1995 UM_8	1997 05 03.96782	14 30 52.73	−16 26 16.7		104
1997 CP_{13}	1997 05 01.82274	09 20 30.29	+14 54 56.1	19.4 V	104
1997 CP_{13}	1997 05 01.82708	09 20 30.57	+14 54 54.9		104
1997 CP_{13}	1997 05 01.83137	09 20 30.80	+14 54 53.3		104
1997 ET_{30}	1997 05 01.88359	10 04 30.90	+16 24 14.2	20.7 V	104
1997 ET_{30}	1997 05 01.89155	10 04 31.05	+16 24 10.5		104
1997 ET_{30}	1997 05 01.89965	10 04 31.18	+16 24 06.7		104
1997 EP_{40}	1997 04 25.84619	11 39 06.65	+08 10 12.6		104
1997 EP_{40}	1997 04 25.85174	11 39 06.43	+08 10 11.4		104
1997 EQ_{40}	1997 04 25.91859	11 44 37.41	+12 50 18.8		104
1997 EQ_{40}	1997 04 25.92535	11 44 37.32	+12 50 20.0		104
1997 EQ_{40}	1997 04 25.93229	11 44 37.22	+12 50 21.2		104
1997 EQ_{40}	1997 04 25.93750	11 44 37.14	+12 50 22.1		104
1997 GH_3	1997 05 01.80720	10 35 45.93	+12 27 07.7	17.0 V	104
1997 GH_3	1997 05 01.81025	10 35 46.95	+12 27 03.1		104
1997 GH_3	1997 05 01.81204	10 35 47.58	+12 27 00.3		104
1997 GH_3	1997 05 01.81377	10 35 48.16	+12 26 57.3		104
1997 GL_3	1997 05 01.95050	13 10 32.63	+00 05 02.5	19.2 V	104
1997 GL_3	1997 05 01.96514	13 10 32.29	+00 05 03.1		104
1997 GL_3	1997 05 01.96968	13 10 32.21	+00 05 03.2		104
1997 GR_5	1997 04 25.88287	11 45 50.82	+11 30 23.4		104
1997 GR_5	1997 04 25.89444	11 45 50.72	+11 30 21.8		104
1997 GR_5	1997 04 25.90757	11 45 50.63	+11 30 20.0		104
1997 GR_5	1997 05 01.86933	11 45 27.35	+11 13 44.9		104
1997 GR_5	1997 05 01.90798	11 45 27.36	+11 13 36.2		104
1997 GC_{32}	1997 05 02.03576	17 59 50.24	−04 15 41.0	18.5 V	104
1997 GC_{32}	1997 05 02.03866	17 59 51.15	−04 15 34.4		104
1997 GC_{32}	1997 05 02.04167	17 59 51.93	−04 15 27.0		104
1997 GD_{32}	1997 05 02.01348	18 43 01.18	+15 59 36.5	16.8 V	104
1997 GD_{32}	1997 05 02.01487	18 43 05.97	+15 59 43.3		104
1997 GD_{32}	1997 05 02.01655	18 43 11.46	+15 59 47.8		104
1997 GW_{36}	* 1997 04 14.80919	11 48 51.67	+12 06 28.2	18.3 V	104
1997 GW_{36}	1997 04 14.81424	11 48 51.51	+12 06 27.6		104
1997 GW_{36}	1997 04 14.82049	11 48 51.33	+12 06 26.9		104
1997 GW_{36}	1997 04 14.82431	11 48 51.18	+12 06 26.5		104
1997 GW_{36}	1997 04 15.81042	11 48 24.27	+12 03 25.2		104
1997 GW_{36}	1997 04 15.82528	11 48 23.83	+12 03 23.4		104
1997 GW_{36}	1997 04 15.83475	11 48 23.56	+12 03 21.2		104
1997 GW_{36}	1997 04 15.83906	11 48 23.47	+12 03 20.8		104
(4890)	1997 05 01.88359	10 05 06.88	+16 29 55.0	18.3 V	104
(4890)	1997 05 01.89155	10 05 07.17	+16 29 53.8		104
(4890)	1997 05 01.89965	10 05 07.45	+16 29 52.7		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 01.93373	17 02 45.52	+34 33 49.2		108
1994 QC	1997 05 01.93932	17 02 45.97	+34 34 06.1		108
1994 QC	1997 05 01.95293	17 02 46.78	+34 34 30.2		108
1994 QC	1997 05 02.96118	17 03 44.26	+35 07 31.5		108
1994 QC	1997 05 02.96811	17 03 44.47	+35 07 42.6		108
1994 QC	1997 05 02.98491	17 03 45.30	+35 08 17.8	17.8 V	108
1996 CR_7	1997 05 01.96317	17 06 04.70	+00 32 49.1		108
1996 CR_7	1997 05 01.98330	17 06 04.07	+00 32 56.6		108
1996 CR_7	1997 05 01.99017	17 06 03.98	+00 33 00.0	17.5 V	108
1996 CR_7	1997 05 02.99564	17 05 38.11	+00 39 07.9		108
1996 CR_7	1997 05 03.06035	17 05 36.29	+00 39 31.6	17.4 V	108
1996 CA_9	1997 05 01.97800	17 11 23.13	−04 14 41.6		108
1996 CA_9	1997 05 01.99918	17 11 22.48	−04 14 32.1		108
1996 CA_9	1997 05 02.01045	17 11 22.19	−04 14 28.6	18.0 V	108
1996 CA_9	1997 05 03.07102	17 10 49.84	−04 08 13.3		108
1996 CA_9	1997 05 03.07803	17 10 49.69	−04 08 09.7		108

1996 CA_9	1997 05 03.08380	17 10 49.31	−04 08 07.1	18.0 V		108
1997 FU	1997 05 02.84329	11 07 09.93	+20 32 44.9			108
1997 FU	1997 05 02.84851	11 07 09.92	+20 32 44.2			108
1997 FU	1997 05 02.86240	11 07 09.76	+20 32 37.2	17.5 V		108

118 Modra

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

1992 LR	1997 05 18.04536	19 52 05.25	−18 39 51.7	18.6 R		118
1992 LR	1997 05 18.04846	19 52 06.15	−18 39 48.5			118
1992 LR	1997 05 18.05084	19 52 06.81	−18 39 45.0			118
1993 PC_5	1997 04 28.91644	13 46 00.82	−00 24 59.4			118
1993 PC_5	1997 04 28.94064	13 45 59.80	−00 24 51.8			118
1993 PC_5	1997 04 29.82384	13 45 23.18	−00 20 10.0			118
1993 PC_5	1997 04 29.83633	13 45 22.69	−00 20 06.9	18.1 R		118
1993 PC_5	1997 04 30.84221	13 44 41.25	−00 14 53.3			118
1993 PC_5	1997 04 30.85003	13 44 40.92	−00 14 51.0			118
1993 PC_5	1997 04 30.85777	13 44 40.60	−00 14 48.7	18.2 R		118
1994 QC	1997 05 12.04037	17 10 15.15	+39 23 16.3	17.7 R		118
1994 QC	1997 05 12.04292	17 10 15.20	+39 23 19.9			118
1994 QC	1997 05 12.04578	17 10 15.26	+39 23 23.9			118
1994 QC	1997 05 14.97479	17 11 37.24	+40 29 07.5			118
1994 QC	1997 05 14.97878	17 11 37.26	+40 29 12.7			118
1994 QC	1997 05 14.98824	17 11 37.42	+40 29 24.8	18.0 R		118
1994 QC	1997 05 17.95509	17 12 39.96	+41 27 22.2			118
1994 QC	1997 05 17.96043	17 12 40.00	+41 27 28.2			118
1994 QC	1997 05 17.96286	17 12 40.02	+41 27 30.7	17.5 R		118
1994 YR	1997 05 11.06215	16 19 39.71	−16 42 23.1	18.5 R		118
1994 YR	1997 05 11.07228	16 19 39.23	−16 42 22.7			118
1994 YR	1997 05 11.07514	16 19 39.02	−16 42 21.7	18.4 R		118
1994 YR	1997 05 12.01624	16 18 50.15	−16 40 43.3			118
1994 YR	1997 05 12.01844	16 18 49.97	−16 40 42.6	18.3 R		118
1994 YR	1997 05 12.02606	16 18 49.56	−16 40 41.7			118
1996 AD_2	1997 05 04.93920	12 18 14.99	+14 53 03.1		r	118
1996 AD_2	1997 05 04.94994	12 18 14.73	+14 53 01.5	18.8 R	r	118
1996 DD_1	1997 04 28.96292	15 48 47.94	+13 27 13.0			118
1996 DD_1	1997 04 28.96736	15 48 47.75	+13 27 13.5	18.4 R		118
1996 DD_1	1997 04 28.97511	15 48 47.32	+13 27 15.3			118
1996 DD_1	1997 05 04.00978	15 44 33.98	+13 41 44.8			118
1996 DD_1	1997 05 04.01665	15 44 33.61	+13 41 45.8			118
1996 DD_1	1997 05 04.01971	15 44 33.46	+13 41 46.2	18.7 R		118
1996 DD_1	1997 05 05.02366	15 43 40.83	+13 43 54.1			118
1996 DD_1	1997 05 05.03027	15 43 40.49	+13 43 54.5	18.8 R		118
1996 DD_1	1997 05 05.03440	15 43 40.26	+13 43 55.3			118
1997 BR	1997 05 02.89650	08 46 54.06	+71 47 43.1			118
1997 BR	1997 05 02.90736	08 46 55.02	+71 47 48.6	17.9 R		118
1997 BR	1997 05 02.91455	08 46 55.65	+71 47 52.4			118
1997 BR	1997 05 03.88895	08 48 28.32	+71 57 36.9			118
1997 BR	1997 05 03.89245	08 48 28.50	+71 57 38.5	18.3 R		118
1997 BR	1997 05 03.89488	08 48 28.71	+71 57 39.7			118
1997 CZ_5	1997 04 23.82740	07 31 02.66	+00 03 40.1			118
1997 CZ_5	1997 04 23.83028	07 31 03.11	+00 03 38.8		I	118
1997 CZ_5	1997 04 23.83352	07 31 03.48	+00 03 36.6			118
1997 CZ_5	1997 04 23.83597	07 31 03.85	+00 03 35.1			118
1997 CZ_5	1997 04 23.84019	07 31 04.40	+00 03 33.5			118
1997 CU_{26}	1997 05 01.82015	08 24 51.78	+15 33 21.9	17.6 R		118
1997 CU_{26}	1997 05 02.82681	08 24 57.86	+15 32 47.8	17.5 R		118
1997 CU_{26}	1997 05 03.84892	08 25 04.33	+15 32 11.6	17.8 R		118
1997 FG_1	1997 03 30.87932	11 11 01.76	+16 54 12.0		r	118
1997 FG_1	1997 03 30.89352	11 11 01.30	+16 54 15.9	16.8 R		118
1997 FG_1	1997 03 31.07177	11 10 55.69	+16 55 06.0			118
1997 FG_1	1997 04 01.05021	11 10 27.51	+16 59 32.8			118
1997 FG_1	1997 04 01.05388	11 10 27.41	+16 59 33.8	16.8 R		118
1997 FG_1	1997 04 03.84435	11 09 16.27	+17 10 37.7	16.0 R		118
1997 FG_1	1997 04 03.85150	11 09 16.10	+17 10 39.2	16.1 R		118
1997 FG_1	1997 04 08.95856	11 07 38.85	+17 24 15.9			118
1997 FG_1	1997 04 08.96734	11 07 38.74	+17 24 17.4			118
1997 FG_1	1997 04 08.97450	11 07 38.63	+17 24 18.3			118
1997 FG_1	1997 04 28.80573	11 08 56.82	+17 03 28.8			118
1997 FG_1	1997 04 28.81267	11 08 56.97	+17 03 27.2			118
1997 FG_1	1997 04 28.82169	11 08 57.15	+17 03 25.3	16.7 R		118
1997 FG_1	1997 04 29.93106	11 09 22.12	+16 59 11.7		r	118
1997 FG_1	1997 04 29.93609	11 09 22.19	+16 59 10.4		r	118
1997 FG_1	1997 04 29.94452	11 09 22.35	+16 59 08.4	17.3 R	r	118
1997 FG_1	1997 05 04.85822	11 11 38.88	+16 37 16.4			118
1997 FG_1	1997 05 04.86263	11 11 39.01	+16 37 15.2			118
1997 FG_1	1997 05 04.86535	11 11 39.10	+16 37 14.2	17.6 R		118
1997 FG_1	1997 05 15.85228	11 18 58.69	+15 30 54.7			118
1997 FG_1	1997 05 15.85596	11 18 58.87	+15 30 53.4			118
1997 FG_1	1997 05 15.86347	11 18 59.20	+15 30 50.5			118
1997 GH_3	1997 04 29.87535	10 24 31.06	+13 16 13.6			118
1997 GH_3	1997 04 29.87763	10 24 31.85	+13 16 10.4			118
1997 GH_3	1997 04 29.87895	10 24 32.31	+13 16 08.2	16.0 R		118
1997 GH_3	1997 04 29.88023	10 24 32.76	+13 16 06.2			118
1997 GH_3	1997 04 29.88116	10 24 33.07	+13 16 05.0			118
1997 GH_3	1997 04 30.89487	10 30 29.74	+12 50 23.8			118
1997 GH_3	1997 04 30.89659	10 30 30.34	+12 50 21.1			118
1997 GH_3	1997 04 30.89994	10 30 31.50	+12 50 15.9			118
1997 GH_3	1997 04 30.90142	10 30 31.98	+12 50 13.8	16.5 R		118
1997 GO_{27}	1997 05 02.98713	14 12 34.06	+15 07 35.0	18.3 R		118
1997 GO_{27}	1997 05 02.99807	14 12 33.41	+15 07 53.8		F	118
1997 GO_{27}	1997 05 03.94514	14 11 38.29	+15 34 26.0			118
1997 GO_{27}	1997 05 03.94789	14 11 38.12	+15 34 30.1			118
1997 GO_{27}	1997 05 03.95045	14 11 37.93	+15 34 34.8	18.3 R		118
1997 GO_{27}	1997 05 04.96588	14 10 39.51	+16 02 03.3	18.0 R	r	118
1997 GO_{27}	1997 05 04.97035	14 10 39.26	+16 02 10.3		r	118
1997 GO_{27}	1997 05 04.97376	14 10 39.04	+16 02 15.9		r	118
1997 GO_{27}	1997 05 14.84221	14 02 35.55	+19 35 22.5			118
1997 GO_{27}	1997 05 14.84858	14 02 35.25	+19 35 28.6			118
1997 GO_{27}	1997 05 14.85142	14 02 35.09	+19 35 31.8	19.1 R		118
1997 GC_{32}	1997 05 12.06668	19 12 21.96	+06 04 31.2			118

1997 GC_{32}		1997 05 12.07084	19 12 24.42	+06 04 52.3	16.8	R		118
1997 GC_{32}		1997 05 12.07257	19 12 25.39	+06 05 01.5				118
1997 GC_{32}		1997 05 14.95122	19 44 03.04	+10 26 28.8				118
1997 GC_{32}		1997 05 14.95214	19 44 03.74	+10 26 34.2				118
1997 GC_{32}		1997 05 14.95524	19 44 05.95	+10 26 52.6	16.9	R		118
1997 GC_{32}		1997 05 14.95670	19 44 06.99	+10 27 00.5				118
1997 GC_{32}		1997 05 14.95885	19 44 08.56	+10 27 13.2				118
1997 GC_{32}		1997 05 14.96044	19 44 09.67	+10 27 22.5	16.8	R		118
1997 GC_{32}		1997 05 14.96360	19 44 11.95	+10 27 40.9				118
1997 GC_{32}		1997 05 15.98463	19 56 58.06	+12 08 35.5				118
1997 GC_{32}		1997 05 15.98712	19 56 59.95	+12 08 50.3				118
1997 GC_{32}		1997 05 15.98922	19 57 01.60	+12 09 03.1	16.9	R		118
1997 GC_{32}		1997 05 15.99285	19 57 04.37	+12 09 24.8				118
1997 GC_{32}		1997 05 15.99435	19 57 05.52	+12 09 34.6				118
1997 GC_{32}		1997 05 17.05384	20 11 14.79	+13 57 30.2				118
1997 GC_{32}		1997 05 17.05528	20 11 15.98	+13 57 38.9	16.7	R		118
1997 GC_{32}		1997 05 17.05721	20 11 17.52	+13 57 50.9				118
1997 GC_{32}		1997 05 17.05867	20 11 18.73	+13 58 00.1				118
1997 GC_{32}		1997 05 17.06013	20 11 19.90	+13 58 09.4				118
1997 GC_{32}		1997 05 17.06152	20 11 21.05	+13 58 17.8				118
1997 GC_{32}		1997 05 17.99430	20 24 36.00	+15 34 51.5	16.5	R		118
1997 GC_{32}		1997 05 17.99859	20 24 39.71	+15 35 18.1				118
1997 GC_{32}		1997 05 18.00002	20 24 40.96	+15 35 27.5				118
1997 GC_{32}		1997 05 18.00171	20 24 42.39	+15 35 38.0				118
1997 GC_{32}		1997 05 18.00323	20 24 43.71	+15 35 47.6	16.5	R		118
1997 HA_1	*	1997 04 29.82384	13 45 31.64	−00 16 42.0				118
1997 HA_1		1997 04 29.86565	13 45 29.09	−00 16 50.2				118
1997 HA_1		1997 04 30.84221	13 44 30.25	−00 20 07.6			r	118
1997 HA_1		1997 04 30.85003	13 44 29.79	−00 20 09.3	18.3	R	r	118
1997 HA_1		1997 05 02.84878	13 42 32.11	−00 27 20.1				118
1997 HA_1		1997 05 02.86480	13 42 31.11	−00 27 23.3				118
1997 HA_1		1997 05 02.87314	13 42 30.65	−00 27 25.0	18.1	R		118
1997 HA_1		1997 05 03.91351	13 41 30.81	−00 31 22.5				118
1997 HA_1		1997 05 03.93145	13 41 29.75	−00 31 26.8	18.6	R		118
1997 HA_1		1997 05 09.97057	13 36 07.50	−00 57 27.3				118
1997 HA_1		1997 05 09.97381	13 36 07.34	−00 57 28.7				118
1997 HA_1		1997 05 09.98156	13 36 06.91	−00 57 30.8				118
1997 HA_1		1997 05 09.98542	13 36 06.78	−00 57 32.2	19.1	R		118
1997 HA_1		1997 05 10.96197	13 35 19.11	−01 02 13.1	19.0	R		118
1997 HA_1		1997 05 10.96475	13 35 18.95	−01 02 13.4				118
1997 HA_1		1997 05 10.96860	13 35 18.80	−01 02 15.2				118
1997 HA_1		1997 05 10.97487	13 35 18.45	−01 02 16.8				118
1997 HA_1		1997 05 14.90295	13 32 20.74	−01 22 26.9				118
1997 HA_1		1997 05 14.90740	13 32 20.56	−01 22 27.7	18.7	R		118
1997 HA_1		1997 05 15.89769	13 31 39.38	−01 27 51.6				118
1997 HA_1		1997 05 15.90464	13 31 39.09	−01 27 54.5	18.8	R		118
(1627)		1997 05 10.85448	08 25 06.10	+21 14 56.2				118
(1627)		1997 05 10.86168	08 25 06.59	+21 14 55.0				118
(2091)		1997 04 23.87784	06 31 51.47	+23 23 14.0				118
(2091)		1997 04 23.88027	06 31 51.65	+23 23 14.0				118
(2091)		1997 04 23.89066	06 31 52.53	+23 23 14.9				118
(2091)		1997 04 24.86529	06 33 12.51	+23 24 21.0			d	118
(2091)		1997 04 24.86784	06 33 12.69	+23 24 21.1			d	118
(2091)		1997 04 24.87044	06 33 12.92	+23 24 20.9			d	118
(2091)		1997 04 24.87264	06 33 13.06	+23 24 21.2			d	118
(2381)		1997 04 23.90504	07 14 30.74	+18 00 53.2	15.8	R	r	118
(2381)		1997 04 23.90845	07 14 31.07	+18 00 54.0	16.3	R	r	118
(2381)		1997 04 23.91885	07 14 32.09	+18 00 55.0	16.4	R	S	118
(2381)		1997 04 23.92928	07 14 33.02	+18 00 53.8			S	118
(3040)		1997 05 10.05427	18 11 38.59	+44 15 56.7				118
(3040)		1997 05 10.06188	18 11 38.25	+44 16 02.0				118
(3040)		1997 05 12.05580	18 10 10.45	+44 36 02.7				118
(3040)		1997 05 12.05830	18 10 10.30	+44 36 04.2				118
(3671)		1997 05 10.98938	13 46 04.52	+27 06 44.9				118
(3671)		1997 05 10.99821	13 46 03.43	+27 06 43.4				118
(4036)		1997 05 15.91793	14 53 41.11	−09 25 07.5				118
(4036)		1997 05 15.92154	14 53 40.92	−09 25 06.7				118
(4036)		1997 05 15.92799	14 53 40.61	−09 25 05.4	17.5	R		118
(4036)		1997 05 16.87523	14 52 55.50	−09 21 50.9				118
(4036)		1997 05 16.87851	14 52 55.39	−09 21 50.6	17.6	R		118
(4036)		1997 05 17.85748	14 52 09.41	−09 18 36.0			r	118
(4036)		1997 05 17.85994	14 52 09.24	−09 18 35.2	17.5	R	r	118
(4341)		1997 05 10.03244	17 30 28.01	+07 02 48.2				118
(4341)		1997 05 10.03685	17 30 26.95	+07 02 43.2				118
(4341)		1997 05 10.04222	17 30 25.63	+07 02 37.0				118
(5332)		1997 05 11.02703	16 48 01.66	+15 04 14.1	19.4	R		118
(5332)		1997 05 11.03385	16 48 01.24	+15 04 16.1				118
(5332)		1997 05 16.94024	16 42 00.74	+15 29 20.4				118
(5332)		1997 05 16.94509	16 42 00.49	+15 29 22.2				118
(5332)		1997 05 16.94850	16 42 00.21	+15 29 23.3	18.8	R		118
(5332)		1997 05 17.90499	16 40 59.85	+15 32 32.6			p	118
(5332)		1997 05 17.91770	16 40 59.05	+15 32 35.2	18.6	R	p	118
(7350)		1997 05 10.90329	09 54 09.18	+27 37 18.3				118
(7350)		1997 05 10.90830	09 54 10.80	+27 37 10.3				118

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0.70-m $f/4$ reflector + CCD

GSC

(3671)	1997 05 08.87713	13 50 07.30	+27 09 16.2			121
(3671)	1997 05 08.92618	13 50 01.36	+27 09 15.1			121
(3671)	1997 05 08.95046	13 49 58.46	+27 09 14.2			121
(3671)	1997 05 08.99897	13 49 52.72	+27 09 12.2			121

124 Castres

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0.20-m $f/6.15$ reflector + CCD

GSC

1995 YM	1997 03 31.07875	14 33 29.43	+13 10 32.5	16.3		124
1995 YM	1997 03 31.09170	14 33 29.03	+13 10 37.4	16.4		124
1995 YM	1997 03 31.10034	14 33 28.75	+13 10 40.5	16.3		124
1997 FR_1	1997 05 09.92444	12 00 14.84	+16 08 38.8	17.1		124

1997 FR_1	1997 05 09.92876	12 00 14.85	+16 08 36.7	16.9	124
1997 FR_1	1997 05 09.93307	12 00 14.92	+16 08 34.8	17.1	124

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P. Pietrapiana, Associazione Astrofili Spezzini, Casella Postale 11, I-19100 La Spezia, Italy [MC7316@mclink.it]
Observers P. Pietrapiana, G. Bonatti, L. Sannino
Measurer P. Pietrapiana
0.40-m $f/5$ Ritchey-Chrétien + CCD
GSC

(4036)	1997 05 03.92758	15 03 42.02	−10 12 51.4	16.9 R	126
(4036)	1997 05 03.93991	15 03 41.36	−10 12 48.8	16.8 R	126
(4036)	1997 05 03.94985	15 03 40.82	−10 12 46.4	17.2 R	126

127 Bornheim
N. Ehring, Stationenweg 54, D-53332 Bornheim, Germany [norbert.ehring@t-online.de]
0.19-m $f/4$ FFC + CCD
GSC

1995 YM	1997 05 01.90098	14 10 15.90	+14 42 54.2		127
1995 YM	1997 05 01.90550	14 10 15.64	+14 42 53.9		127
1995 YM	1997 05 01.91071	14 10 15.38	+14 42 53.4		127
1995 YM	1997 05 12.91250	14 02 15.64	+14 11 39.3		127
1995 YM	1997 05 12.91696	14 02 15.47	+14 11 38.2		127
(3671)	1997 05 01.86549	14 02 35.28	+26 44 59.8		127
(3671)	1997 05 01.87257	14 02 34.50	+26 45 02.5		127
(3671)	1997 05 02.97882	14 00 42.78	+26 51 53.1		127
(3671)	1997 05 02.98443	14 00 42.17	+26 51 55.0		127
(3671)	1997 05 12.89957	13 42 21.36	+27 00 05.1		127
(3671)	1997 05 12.90538	13 42 20.59	+27 00 03.6		127

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 04 30.88606	12 00 29.18	+17 18 12.6	16.7	133
1997 FR_1	1997 04 30.93230	12 00 28.61	+17 17 53.2	16.6	133
1997 FR_1	1997 05 02.85179	12 00 13.90	+17 04 28.0	16.5	133
1997 FR_1	1997 05 02.92044	12 00 13.38	+17 03 58.9	16.6	133
(1450)	1997 04 06.83293	09 18 03.38	+22 36 40.3	16.3	133
(1450)	1997 04 06.88958	09 18 04.48	+22 36 25.9	16.2	133
(1450)	1997 04 10.80709	09 19 40.33	+22 20 13.1	16.3	133
(1450)	1997 04 10.83063	09 19 41.03	+22 20 07.0	16.2	133

134 Groszschwabhausen
H.-G. Reimann, Astrophysikalisches Institut und Universitätssternwarte Jena, Schillergäßchen 2, D-07745 Jena, Germany [rei@astro.uni-jena.de]
Observers H.-G. Reimann, C. Friedemann
Measurer H.-G. Reimann
0.90-m $f/2$ Schmidt + CCD
GSC

1990 TE_8	1997 05 07.92727	15 29 48.83	−18 20 53.4	17.0 V	134
1990 TE_8	1997 05 07.95120	15 29 47.44	−18 20 50.1	17.2 V	134
1990 TE_8	1997 05 07.96424	15 29 46.76	−18 20 48.6	17.1 V	134

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

1997 GQ_{25}	1997 04 17.33627	15 44 03.210	−10 08 29.10	19.6	250
Geocentric position (km)	− 5945.7821	+ 1599.7750	+ 3300.0904		
1997 GQ_{25}	1997 04 17.34090	15 44 02.605	−10 08 37.58		250
Geocentric position (km)	− 6254.6138	− 1342.3628	+ 2805.3911		
1997 GQ_{25}	1997 04 17.34252	15 44 02.319	−10 08 40.45		250
Geocentric position (km)	− 6087.2659	− 2341.5672	+ 2502.8904		
1997 GQ_{25}	1997 04 17.34715	15 44 01.586	−10 08 47.29		250
Geocentric position (km)	− 4866.1577	− 4826.2786	+ 1349.0341		

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 04 08.07850	13 09 39.03	−04 38 26.9		292
1997 GL_{34}	1997 04 08.09512	13 09 38.06	−04 38 23.2		292
1997 GL_{34}	1997 04 08.11183	13 09 37.18	−04 38 18.7	17.4	292
1997 GL_{34}	1997 04 10.09029	13 07 45.63	−04 30 40.8		292
1997 GL_{34}	1997 04 10.10693	13 07 44.57	−04 30 37.2		292
1997 GL_{34}	1997 04 10.12363	13 07 43.62	−04 30 33.0	17.4	292
1997 GL_{34}	1997 04 14.08297	13 04 03.63	−04 15 55.0		292
1997 GL_{34}	1997 04 14.09964	13 04 02.76	−04 15 50.7		292
1997 GL_{34}	1997 04 14.11633	13 04 01.84	−04 15 47.1	17.5	292
1997 GL_{34}	1997 04 15.08128	13 03 09.43	−04 12 24.5		292
1997 GL_{34}	1997 04 15.09792	13 03 08.57	−04 12 21.3	17.7	292
1997 GL_{34}	1997 04 15.11463	13 03 07.64	−04 12 18.3		292
1997 GL_{34}	1997 04 16.09617	13 02 14.93	−04 08 56.9		292
1997 GL_{34}	1997 04 16.11287	13 02 14.04	−04 08 52.8		292
1997 GL_{34}	1997 04 16.12951	13 02 12.98	−04 08 48.9	18.1	292
1997 GL_{34}	1997 04 26.16319	12 54 05.45	−03 40 39.4	17.6	292
1997 GL_{34}	1997 04 26.17986	12 54 04.70	−03 40 37.7		292
1997 GL_{34}	1997 04 26.19653	12 54 03.96	−03 40 35.7		292
1997 GL_{34}	1997 04 30.09794	12 51 28.15	−03 33 22.5	18.2	292

294 Astrophysical Observatory, College of Staten Island
I. Robbins, The College of Staten Island, 2800 Victory Boulevard, Staten Island, NY 10314, U.S.A. [robbins@postbox.csi.cuny.edu]
Observers I. Robbins, K. Rowan
Measurers K. Francis, S. Parello
0.41-m $f/6.3$ Schmidt-Cassegrain + CCD
GSC

(83)	1997 03 11.08368	06 12 53.86	+29 26 41.3	13.6	294
(83)	1997 03 11.13678	06 12 56.34	+29 26 32.9	13.2	294
(83)	1997 03 12.07259	06 13 42.20	+29 24 14.7	13.5	294
(83)	1997 03 12.12970	06 13 45.00	+29 24 06.2	13.5	294
(83)	1997 03 16.08191	06 17 13.85	+29 14 11.3	12.9	294

(83)	1997 03 16.16067	06 17 18.21	+29 14 00.5	13.1	294
(85)	1997 03 12.11869	08 52 06.38	+03 09 36.6	12.5	294
(85)	1997 03 12.17575	08 52 04.85	+03 09 58.5	12.4	294
(85)	1997 03 16.14707	08 50 32.20	+03 35 29.4	12.5	294
(85)	1997 03 16.18663	08 50 31.34	+03 35 44.6	12.3	294
(88)	1997 03 11.03353	04 26 58.61	+22 35 58.3	12.9	294
(88)	1997 03 11.10829	04 27 03.07	+22 36 02.6	12.9	294
(88)	1997 03 12.04752	04 27 59.82	+22 37 00.9	12.9	294
(88)	1997 03 12.10110	04 28 03.05	+22 37 04.5	12.9	294
(90)	1997 03 11.10384	07 21 40.53	+24 12 50.3	14.4	294
(90)	1997 03 11.14296	07 21 40.42	+24 12 49.6	14.7	294
(90)	1997 03 11.17696	07 21 40.38	+24 12 48.1	14.4	294
(90)	1997 03 12.09446	07 21 39.62	+24 12 33.1	14.3	294
(90)	1997 03 16.11881	07 21 48.73	+24 10 57.4	14.1	294
(90)	1997 03 16.16958	07 21 48.92	+24 10 55.8	14.1	294
(173)	1997 03 12.10964	06 55 31.38	+15 08 02.1	12.5	294
(173)	1997 03 12.16476	06 55 32.59	+15 08 20.4	12.4	294
(173)	1997 03 16.13210	06 57 15.41	+15 29 25.8	12.6	294
(173)	1997 03 16.17579	06 57 16.63	+15 29 38.9	12.8	294
(211)	1997 03 11.05178	05 47 11.33	+21 30 54.5	12.8	294
(211)	1997 03 11.12263	05 47 15.21	+21 30 54.0	13.1	294
(211)	1997 03 12.08210	05 48 08.84	+21 30 46.8	13.1	294
(211)	1997 03 12.14042	05 48 12.07	+21 30 46.4	12.9	294
(211)	1997 03 16.07579	05 52 03.04	+21 30 12.0	13.0	294
(211)	1997 03 16.15326	05 52 07.68	+21 30 10.8	12.7	294

323 Perth

J. Biggs, Perth Observatory, Bickley, WA 6076, Australia
[rbiggsjd@cc.curtin.edu.au]

Observers G. Lowe, T. Smith

0.3-m astrograph

1996 PA	1996 08 16.60694	23 05 19.60	−12 51 52.6		323
(2865)	1996 07 09.60590	17 03 05.28	−41 14 50.0		323
(5279)	1996 07 10.65833	18 45 27.24	−25 14 41.4		323

327 Peking Observatory, Xinglong Station

J. Zhu, Peking Astronomical Observatory, Chinese Academy of Sciences, Zhongguancun, Peking 100080, Peoples Republic of China
[jinzhu@sun.ihep.ac.cn]

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

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

0.60-m Schmidt + CCD

1980 FS_1	1995 11 17.58755	03 57 59.88	+15 44 12.7	18.2 V	327
1980 FS_1	1995 11 17.65839	03 57 55.18	+15 43 53.6		327
1983 WF_1	1997 03 29.59767	12 34 55.87	+25 59 25.3		327
1983 WF_1	1997 03 29.61374	12 34 55.06	+25 59 28.4	17.6	327
1983 WF_1	1997 03 29.62939	12 34 54.50	+25 59 28.8		327
1989 CJ_8	1997 03 23.68262	13 47 23.12	+02 16 56.9		327
1989 CJ_8	1997 03 23.68743	13 47 23.02	+02 17 00.3	16.3	327
1989 CJ_8	1997 03 23.69257	13 47 22.87	+02 17 03.5		327
1990 KF	1997 04 06.55166	09 53 51.29	+17 14 46.7	19.2	327
1990 KF	1997 04 06.56192	09 53 51.20	+17 14 48.3		327
1990 KF	1997 04 06.57253	09 53 51.03	+17 14 49.4		327
1990 QD_2	1996 02 10.74426	10 25 23.83	+11 20 56.0		327
1990 QD_2	1996 02 10.75924	10 25 23.02	+11 21 02.0	18.0 V	327
1990 QD_2	1996 02 10.77226	10 25 22.19	+11 21 06.2		327
1990 QD_2	1996 02 10.78743	10 25 21.37	+11 21 12.5		327
1991 PC_6	1997 04 06.58556	11 49 46.71	+11 45 21.9	18.7	327
1991 PC_6	1997 04 06.59972	11 49 46.04	+11 45 25.8		327
1991 PC_6	1997 04 06.61437	11 49 45.33	+11 45 29.3		327
1991 RA_1	1997 03 28.56191	08 59 56.44	+15 19 27.0		327
1991 RA_1	1997 03 28.57150	08 59 56.35	+15 19 25.8		327
1991 RA_1	1997 03 28.57642	08 59 56.29	+15 19 24.6		327
1991 RA_1	1997 03 28.58660	08 59 56.16	+15 19 23.5		327
1991 RA_1	1997 03 28.59155	08 59 56.15	+15 19 23.2	18.4	327
1991 RA_1	1997 03 28.60118	08 59 56.02	+15 19 22.1	18.0	327
1991 RK_{26}	1997 04 06.69183	13 05 43.26	−06 07 43.2		327
1991 RK_{26}	1997 04 06.70669	13 05 42.24	−06 07 40.0	17.8	327
1991 RK_{26}	1997 04 06.72179	13 05 41.24	−06 07 36.9		327
1992 UN_2	1996 11 08.85644	08 03 47.08	+23 08 29.4	19.2 V	327
1992 UN_2	1996 11 08.87439	08 03 47.99	+23 08 29.4		327
1992 UN_2	1996 11 08.89205	08 03 48.92	+23 08 28.9		327
1993 EP	1997 03 27.62307	10 04 42.42	+12 00 10.9		327
1993 EP	1997 03 27.63738	10 04 41.94	+12 00 07.1		327
1993 EP	1997 03 27.65383	10 04 41.37	+12 00 02.6	17.5	327
1994 TU_3	1997 04 17.71596	16 11 12.27	−09 49 43.1		327
1994 TU_3	1997 04 17.73060	16 11 11.82	−09 49 32.0	18.1	327
1994 TU_3	1997 04 17.74510	16 11 11.43	−09 49 21.2		327
1995 UX_2	1997 04 06.59500	11 52 17.29	+10 04 20.5		327
1995 UX_2	1997 04 06.60949	11 52 16.54	+10 04 20.1		327
1995 UX_2	1997 04 06.62503	11 52 15.79	+10 04 20.4	17.8	327
1995 XP_2	1997 04 25.55565	12 36 50.32	−04 44 41.8		327
1995 XP_2	1997 04 25.57065	12 36 49.57	−04 44 36.8		327
1995 XP_2	1997 04 25.58530	12 36 48.91	−04 44 32.2	20.2	327
1995 YL_1	1997 04 10.53612	11 52 55.85	−02 48 42.4	18.9	327
1995 YL_1	1997 04 10.54575	11 52 55.44	−02 48 39.4		327
1995 YL_1	1997 04 10.55539	11 52 55.03	−02 48 36.4		327
1996 YU_1	1997 03 28.52310	07 50 16.76	+27 29 29.2		327
1996 YU_1	1997 03 28.53417	07 50 17.03	+27 29 29.8	18.5	327
1996 YU_1	1997 03 28.54514	07 50 17.24	+27 29 30.9		327
1996 YK_2	1997 03 26.55682	08 23 16.59	+27 09 35.6	17.6	327
1996 YK_2	1997 03 26.56152	08 23 16.78	+27 09 32.7		327
1996 YK_2	1997 03 26.56618	08 23 16.93	+27 09 30.3		327
1996 YK_2	1997 03 26.57147	08 23 17.16	+27 09 27.5		327
1996 YK_2	1997 03 28.51736	08 24 36.79	+26 52 10.5		327
1996 YK_2	1997 03 28.52859	08 24 37.22	+26 52 04.3	17.6	327
1996 YK_2	1997 03 28.53966	08 24 37.64	+26 51 57.9		327
1996 YK_2	1997 03 28.55044	08 24 38.09	+26 51 52.7		327
1997 BR	1997 05 02.54167	08 46 21.04	+71 44 21.4	18.8	327
1997 BR	1997 05 02.54600	08 46 21.50	+71 44 23.3		327
1997 BR	1997 05 02.55039	08 46 21.92	+71 44 25.7		327
1997 BR	1997 05 02.55473	08 46 22.20	+71 44 28.2		327
1997 DE	1997 03 28.70784	13 21 44.05	+04 27 08.5	16.6	327
1997 DE	1997 03 28.72338	13 21 43.13	+04 27 14.3		327

1997 DE	1997 03 28.73875	13 21 42.23	+04 27 19.8		327
1997 DE	1997 03 30.79968	13 19 43.74	+04 39 58.4		327
1997 DE	1997 03 30.81457	13 19 42.85	+04 40 03.7		327
1997 DE	1997 03 30.82951	13 19 41.95	+04 40 10.1	16.8	327
1997 DE	1997 03 30.84469	13 19 41.05	+04 40 15.3		327
1997 EK	1997 04 21.59736	10 57 58.50	+10 30 50.4	17.8	327
1997 EK	1997 04 21.61293	10 57 58.31	+10 30 46.7		327
1997 EK	1997 04 21.62850	10 57 57.99	+10 30 42.7		327
1997 EK	1997 04 23.57181	10 57 32.56	+10 22 07.9	17.9	327
1997 EK	1997 04 23.58656	10 57 32.35	+10 22 03.8		327
1997 EK	1997 04 23.60110	10 57 32.20	+10 21 59.7		327
1997 EU_2	1996 12 27.87135	12 08 23.50	+02 05 57.5		327
1997 EU_2	1996 12 27.88079	12 08 24.38	+02 05 54.1		327
1997 EU_2	1996 12 27.89028	12 08 25.00	+02 05 51.5	17.8	327
1997 EW_2	1997 04 23.61560	11 35 50.36	+10 06 19.8		327
1997 EW_2	1997 04 23.63049	11 35 50.10	+10 06 19.6	17.7	327
1997 EW_2	1997 04 23.64517	11 35 49.77	+10 06 21.0		327
1997 EA_3	1997 04 23.62045	11 36 06.42	+11 43 45.3		327
1997 EA_3	1997 04 23.63527	11 36 06.09	+11 43 44.9		327
1997 EA_3	1997 04 23.64993	11 36 05.84	+11 43 44.8	18.0	327
1997 EK_{15}	1997 04 10.53612	11 51 45.52	−02 58 15.4	19.1	327
1997 EK_{15}	1997 04 10.54575	11 51 45.12	−02 58 17.2		327
1997 EK_{15}	1997 04 10.55539	11 51 44.57	−02 58 17.5		327
1997 EY_{20}	1997 04 24.51427	10 02 53.58	+10 44 43.0	18.2	327
1997 EY_{20}	1997 04 24.52897	10 02 53.95	+10 44 42.0		327
1997 EY_{20}	1997 04 24.54326	10 02 54.28	+10 44 40.4		327
1997 EY_{20}	1997 04 25.50554	10 03 21.30	+10 43 33.9	18.3	327
1997 EY_{20}	1997 04 25.51646	10 03 21.60	+10 43 32.8		327
1997 EY_{20}	1997 04 25.52725	10 03 21.89	+10 43 32.2		327
1997 EE_{23}	1997 05 09.57155	12 56 22.99	+06 40 46.2	17.8	327
1997 EE_{23}	1997 05 09.58700	12 56 22.54	+06 40 44.5		327
1997 EE_{23}	1997 05 09.60223	12 56 22.06	+06 40 43.0		327
1997 EW_{45}	1997 04 24.66742	13 10 15.95	+06 20 35.7		327
1997 EW_{45}	1997 04 24.68206	13 10 15.33	+06 20 35.9		327
1997 EW_{45}	1997 04 24.69661	13 10 14.65	+06 20 36.3	16.9	327
1997 FC_1	1997 04 17.58711	13 06 42.27	+06 31 30.4	17.4	327
1997 FC_1	1997 04 17.60183	13 06 41.56	+06 31 34.1		327
1997 FC_1	1997 04 17.61705	13 06 40.78	+06 31 38.3		327
1997 FC_1	1997 05 08.65810	12 53 39.41	+07 09 16.3	17.8	327
1997 FC_1	1997 05 08.67281	12 53 39.07	+07 09 15.2		327
1997 FC_1	1997 05 08.68759	12 53 38.72	+07 09 14.6		327
1997 FC_1	1997 05 09.56626	12 53 20.54	+07 08 09.1		327
1997 FC_1	1997 05 09.58171	12 53 20.21	+07 08 07.9	18.1	327
1997 FC_1	1997 05 09.59706	12 53 19.88	+07 08 07.1		327
1997 FF_1	1997 04 13.70595	12 17 38.58	+01 08 52.6		327
1997 FF_1	1997 04 13.71650	12 17 38.02	+01 08 54.5	17.9	327
1997 FF_1	1997 04 13.72655	12 17 37.50	+01 08 55.6		327
1997 FW_1	1997 04 13.66414	10 55 36.05	+19 48 21.8		327
1997 FW_1	1997 04 13.68035	10 55 35.62	+19 48 18.2	17.6	327
1997 FW_1	1997 04 13.69624	10 55 35.21	+19 48 15.0		327
1997 FW_1	1997 04 25.51105	10 52 07.06	+18 58 08.6		327
1997 FW_1	1997 04 25.52181	10 52 06.94	+18 58 05.0		327
1997 FW_1	1997 04 25.53260	10 52 06.81	+18 58 01.6	18.5	327
1997 FZ_1	1997 04 17.63178	13 14 49.55	−08 05 33.5		327
1997 FZ_1	1997 04 17.64229	13 14 48.95	−08 05 30.5	17.1	327
1997 FZ_1	1997 04 17.65257	13 14 48.41	−08 05 27.0		327
1997 FX_3	1997 03 29.73333	12 59 19.59	−08 06 32.0		327
1997 FX_3	1997 03 29.73766	12 59 19.47	−08 06 30.3	17.9	327
1997 FX_3	1997 03 29.74242	12 59 19.11	−08 06 29.1		327
1997 FX_3	1997 03 29.74683	12 59 18.96	−08 06 27.2		327
1997 FH_4	1997 03 29.73333	13 01 02.14	−08 03 20.1		327
1997 FH_4	1997 03 29.73766	13 01 01.84	−08 03 19.0	17.0	327
1997 FH_4	1997 03 29.74242	13 01 01.54	−08 03 19.5		327
1997 FH_4	1997 03 29.74683	13 01 01.26	−08 03 18.7		327
1997 FJ_4	1997 03 29.73333	13 01 38.30	−08 05 45.7	18.6	327
1997 FJ_4	1997 03 29.73766	13 01 38.11	−08 05 43.5		327
1997 FJ_4	1997 03 29.74683	13 01 37.70	−08 05 41.1		327
1997 FR_4	1997 03 29.73333	13 00 32.30	−07 21 09.4	17.0	327
1997 FR_4	1997 03 29.73766	13 00 32.03	−07 21 08.3		327
1997 FR_4	1997 03 29.74242	13 00 31.80	−07 21 07.0		327
1997 FR_4	1997 03 29.74683	13 00 31.52	−07 21 06.5		327
1997 GS	1997 04 06.68701	13 03 57.97	−06 28 19.3	18.2	327
1997 GS	1997 04 06.70199	13 03 57.21	−06 28 12.4		327
1997 GS	1997 04 06.71688	13 03 56.49	−06 28 04.7		327
1997 GW_6	1997 05 04.68390	14 29 54.19	−13 24 48.3	18.3	327
1997 GW_6	1997 05 04.68936	14 29 53.89	−13 24 45.5		327
1997 GW_6	1997 05 04.69525	14 29 53.60	−13 24 41.9		327
1997 GW_6	1997 05 04.70069	14 29 53.37	−13 24 39.5		327
1997 GW_6	1997 05 08.71175	14 26 42.25	−12 48 17.0	18.0	327
1997 GW_6	1997 05 08.72213	14 26 41.78	−12 48 10.3		327
1997 GW_6	1997 05 08.73297	14 26 41.24	−12 48 04.8		327
1997 GD_7	1997 05 04.68390	14 31 47.43	−13 07 14.7		327
1997 GD_7	1997 05 04.68936	14 31 47.21	−13 07 14.4		327
1997 GD_7	1997 05 04.69525	14 31 46.92	−13 07 12.5		327
1997 GD_7	1997 05 04.70069	14 31 46.66	−13 07 11.6	18.2	327
1997 GD_7	1997 05 08.62178	14 28 46.05	−12 55 03.8	18.2	327
1997 GD_7	1997 05 08.63190	14 28 45.62	−12 55 01.9		327
1997 GD_7	1997 05 08.64233	14 28 45.08	−12 54 59.9		327
1997 GV_{16}	1997 04 10.56521	13 00 13.23	−05 34 27.0		327
1997 GV_{16}	1997 04 10.56957	13 00 13.03	−05 34 25.1	18.1	327
1997 GV_{16}	1997 04 10.57394	13 00 12.82	−05 34 22.9		327
1997 GV_{16}	1997 04 10.57837	13 00 12.66	−05 34 21.6		327
1997 GV_{17}	1997 04 06.68701	13 03 19.14	−06 54 30.8		327
1997 GV_{17}	1997 04 06.70199	13 03 18.15	−06 54 29.2	15.9	327
1997 GV_{17}	1997 04 06.71688	13 03 17.17	−06 54 27.5		327
1997 GW_{17}	1997 04 06.69183	13 03 34.04	−05 50 03.8		327
1997 GW_{17}	1997 04 06.70669	13 03 33.26	−05 49 55.7	19.7	327
1997 GW_{17}	1997 04 06.72179	13 03 32.55	−05 49 47.9		327
1997 GX_{17}	1997 04 10.56521	12 59 50.93	−05 39 10.6	19.5	327
1997 GX_{17}	1997 04 10.56957	12 59 50.68	−05 39 09.4		327
1997 GX_{17}	1997 04 10.57394	12 59 50.46	−05 39 07.1		327
1997 GX_{17}	1997 04 10.57837	12 59 50.25	−05 39 05.8		327
1997 GR_{18}	1997 04 10.56521	13 01 10.96	−05 08 54.5		327
1997 GR_{18}	1997 04 10.56957	13 01 10.68	−05 08 54.5	18.4	327

1997 GR_{18}	1997 04 10.57394	13 01 10.38	−05 08 54.8		327	1997 GZ_{31}	1997 05 08.71700	14 19 33.91	+03 12 37.1	17.0	327
1997 GR_{18}	1997 04 10.57837	13 01 10.08	−05 08 54.9		327	1997 GZ_{31}	1997 05 08.72784	14 19 33.39	+03 12 36.1		327
1997 GS_{18}	1997 04 06.68701	13 05 53.04	−06 19 21.9	18.5	327	1997 GZ_{31}	1997 05 08.73853	14 19 32.87	+03 12 34.7		327
1997 GS_{18}	1997 04 06.70199	13 05 52.12	−06 19 19.9		327	1997 GZ_{31}	1997 05 11.65434	14 17 21.31	+03 05 51.3		327
1997 GS_{18}	1997 04 06.71688	13 05 51.20	−06 19 18.9		327	1997 GZ_{31}	1997 05 11.66922	14 17 20.58	+03 05 48.5		327
1997 GD_{22}	1997 05 04.68390	14 31 02.22	−13 32 04.2	18.4	327	1997 GZ_{31}	1997 05 11.68432	14 17 19.88	+03 05 46.2	16.8	327
1997 GD_{22}	1997 05 04.68936	14 31 01.88	−13 32 03.2		327	1997 GA_{32}	1997 05 03.70913	15 44 24.13	−06 53 30.0	19.0	327
1997 GD_{22}	1997 05 04.69525	14 31 01.51	−13 32 02.8		327	1997 GA_{32}	1997 05 03.71346	15 44 23.95	−06 53 28.0		327
1997 GD_{22}	1997 05 04.70069	14 31 01.20	−13 32 01.3		327	1997 GA_{32}	1997 05 03.71925	15 44 23.62	−06 53 27.5		327
1997 GD_{22}	1997 05 08.62178	14 27 16.68	−13 22 19.1	18.5	327	1997 GD_{32}	1997 04 17.67399	14 48 24.62	+04 41 15.5		327
1997 GD_{22}	1997 05 08.63190	14 27 16.12	−13 22 16.9		327	1997 GD_{32}	1997 04 17.69810	14 48 29.01	+04 41 39.9	18.3	327
1997 GD_{22}	1997 05 08.64233	14 27 15.57	−13 22 15.6		327	1997 GF_{32}	* 1997 04 15.71543	13 06 55.21	+06 19 26.2	16.9	327
1997 GG_{22}	1997 05 02.64500	14 35 26.87	−13 24 59.4	18.0	327	1997 GF_{32}	1997 04 15.72537	13 06 54.57	+06 19 25.5		327
1997 GG_{22}	1997 05 02.65002	14 35 26.59	−13 24 57.4		327	1997 GF_{32}	1997 04 15.73554	13 06 53.94	+06 19 24.6		327
1997 GG_{22}	1997 05 02.65506	14 35 26.30	−13 24 54.1		327	1997 GF_{32}	1997 04 17.58711	13 05 02.58	+06 16 29.2	17.2	327
1997 GG_{22}	1997 05 03.66027	14 34 32.51	−13 15 59.3		327	1997 GF_{32}	1997 04 17.60183	13 05 01.68	+06 16 27.6		327
1997 GG_{22}	1997 05 03.66459	14 34 32.30	−13 15 57.3	17.9	327	1997 GF_{32}	1997 04 17.61705	13 05 00.73	+06 16 26.1		327
1997 GG_{22}	1997 05 03.66894	14 34 32.03	−13 15 54.5		327	1997 GG_{32}	* 1997 04 11.50604	07 17 50.57	+19 50 50.4		327
1997 GG_{22}	1997 05 03.67328	14 34 31.82	−13 15 52.4		327	1997 GG_{32}	1997 04 11.54735	07 17 53.92	+19 50 57.3	17.5	327
1997 GG_{22}	1997 05 08.61664	14 30 11.44	−12 32 30.7		327	1997 GG_{32}	1997 04 11.55175	07 17 54.27	+19 50 58.2		327
1997 GG_{22}	1997 05 08.62178	14 30 11.19	−12 32 27.9		327	1997 GG_{32}	1997 04 11.55615	07 17 54.63	+19 50 59.1		327
1997 GG_{22}	1997 05 08.62671	14 30 10.87	−12 32 25.1		327	1997 GG_{32}	1997 04 17.50525	07 26 16.26	+20 06 08.0	17.9	327
1997 GG_{22}	1997 05 08.63190	14 30 10.59	−12 32 23.0	18.1	327	1997 GG_{32}	1997 04 17.51552	07 26 17.07	+20 06 10.5		327
1997 GG_{22}	1997 05 08.63720	14 30 10.33	−12 32 19.9	18.1	327	1997 GG_{32}	1997 04 17.52582	07 26 18.04	+20 06 10.7		327
1997 GG_{22}	1997 05 08.64233	14 30 10.05	−12 32 17.3		327	1997 GH_{32}	1997 04 06.68701	13 04 50.37	−06 58 20.9		327
1997 GG_{23}	1997 05 08.71175	14 27 01.41	−12 32 15.3	18.3	327	1997 GH_{32}	1997 04 06.70199	13 04 49.72	−06 58 16.7		327
1997 GG_{23}	1997 05 08.72213	14 27 00.68	−12 32 13.8		327	1997 GH_{32}	1997 04 06.71688	13 04 49.05	−06 58 11.9	18.8	327
1997 GG_{23}	1997 05 08.73297	14 26 59.95	−12 32 12.5		327	1997 GS_{32}	1997 04 06.68701	13 06 16.07	−07 02 46.8		327
1997 GX_{28}	1997 03 28.61076	12 16 34.87	−02 14 32.4	17.0	327	1997 GS_{32}	1997 04 06.70199	13 06 15.19	−07 02 39.0		327
1997 GX_{28}	1997 03 28.61510	12 16 34.64	−02 14 30.5		327	1997 GS_{32}	1997 04 06.71688	13 06 14.31	−07 02 31.2	18.5	327
1997 GX_{28}	1997 03 28.62058	12 16 34.29	−02 14 27.1		327	1997 GU_{36}	* 1997 04 02.59604	11 52 48.15	−03 10 28.6		327
1997 GX_{28}	1997 03 28.62493	12 16 34.05	−02 14 25.5		327	1997 GU_{36}	1997 04 02.62068	11 52 46.76	−03 10 20.7		327
1997 GW_{29}	1997 03 18.82075	13 32 17.56	+03 37 44.1	18.4	327	1997 GU_{36}	1997 04 02.64513	11 52 45.56	−03 10 13.4	18.8	327
1997 GW_{29}	1997 03 18.83539	13 32 17.06	+03 37 50.3		327	1997 GU_{36}	1997 04 10.53140	11 46 35.26	−02 31 54.3		327
1997 GW_{29}	1997 03 18.85073	13 32 16.53	+03 37 56.6		327	1997 GU_{36}	1997 04 10.54095	11 46 34.90	−02 31 51.4	19.5	327
1997 GB_{30}	1997 05 08.65331	12 55 22.42	+06 20 35.8	18.1	327	1997 GU_{36}	1997 04 10.55061	11 46 34.41	−02 31 48.9		327
1997 GB_{30}	1997 05 08.66799	12 55 21.99	+06 20 33.7		327	1997 JZ	* 1997 05 02.64500	14 34 53.67	−13 32 03.4		327
1997 GB_{30}	1997 05 08.68286	12 55 21.50	+06 20 31.4		327	1997 JZ	1997 05 02.65002	14 34 53.33	−13 31 59.4		327
1997 GB_{30}	1997 05 09.57155	12 54 56.00	+06 18 07.1	18.1	327	1997 JZ	1997 05 02.65506	14 34 53.07	−13 31 56.3	17.3	327
1997 GB_{30}	1997 05 09.58700	12 54 55.55	+06 18 04.6		327	1997 JZ	1997 05 03.66027	14 34 00.93	−13 19 44.8		327
1997 GB_{30}	1997 05 09.60223	12 54 55.12	+06 18 02.5		327	1997 JZ	1997 05 03.66459	14 34 00.69	−13 19 41.6	17.4	327
1997 GC_{30}	1997 05 08.65810	12 52 39.50	+06 42 33.1	19.5	327	1997 JZ	1997 05 03.66894	14 34 00.46	−13 19 38.4		327
1997 GC_{30}	1997 05 08.67281	12 52 38.92	+06 42 29.4		327	1997 JZ	1997 05 03.67328	14 34 00.21	−13 19 35.2		327
1997 GC_{30}	1997 05 08.68759	12 52 38.39	+06 42 26.5		327	1997 JZ	1997 05 08.61664	14 29 47.19	−12 19 52.9		327
1997 GC_{30}	1997 05 09.56626	12 52 07.32	+06 39 21.7		327	1997 JZ	1997 05 08.62671	14 29 46.62	−12 19 45.5		327
1997 GC_{30}	1997 05 09.58171	12 52 06.74	+06 39 18.8		327	1997 JZ	1997 05 08.63720	14 29 46.10	−12 19 38.2	17.6	327
1997 GC_{30}	1997 05 09.59706	12 52 06.06	+06 39 13.9	18.6	327	1997 JH_4	1997 05 02.64500	14 34 13.25	−12 43 00.2		327
1997 GZ_{31}	1997 05 03.67963	14 23 33.53	+03 19 16.5	17.0	327	1997 JH_4	1997 05 02.65002	14 34 12.91	−12 42 59.7	19.0	327
1997 GZ_{31}	1997 05 03.68396	14 23 33.34	+03 19 16.4		327	1997 JH_4	1997 05 02.65506	14 34 12.60	−12 42 59.4		327
1997 GZ_{31}	1997 05 03.68830	14 23 33.13	+03 19 15.8		327	1997 JS_7	* 1997 05 03.67963	14 24 57.75	+02 57 24.9	17.3	327
1997 GZ_{31}	1997 05 03.69263	14 23 32.89	+03 19 16.1		327	1997 JS_7	1997 05 03.68396	14 24 57.56	+02 57 26.8		327
1997 GZ_{31}	1997 05 08.70667	14 19 34.41	+03 12 38.5		327	1997 JS_7	1997 05 03.68830	14 24 57.35	+02 57 28.9		327

1997 JS_7		1997 05 03.69263	14 24 57.15	+02 57 30.5		327
1997 JS_7		1997 05 08.70667	14 21 19.90	+03 30 49.9		327
1997 JS_7		1997 05 08.71700	14 21 19.46	+03 30 53.7	17.3	327
1997 JS_7		1997 05 08.72784	14 21 18.98	+03 30 57.6		327
1997 JS_7		1997 05 08.73853	14 21 18.52	+03 31 01.4		327
1997 JS_7		1997 05 16.56911	14 16 16.22	+04 09 19.3		327
1997 JS_7		1997 05 16.57883	14 16 15.84	+04 09 21.8	17.0	327
1997 JS_7		1997 05 16.58887	14 16 15.55	+04 09 24.2		327
1997 JT_7	*	1997 05 03.70913	15 43 13.60	−07 13 28.0	17.6	327
1997 JT_7		1997 05 03.71346	15 43 13.35	−07 13 27.8		327
1997 JT_7		1997 05 03.71925	15 43 13.05	−07 13 27.2		327
1997 JT_7		1997 05 09.66659	15 37 47.00	−07 08 12.5	17.6	327
1997 JT_7		1997 05 09.67652	15 37 46.42	−07 08 11.2		327
1997 JT_7		1997 05 09.68814	15 37 45.78	−07 08 11.7		327
1997 JU_7	*	1997 05 03.72424	15 58 09.82	−08 35 00.8		327
1997 JU_7		1997 05 03.73412	15 58 09.36	−08 34 56.4	18.6	327
1997 JU_7		1997 05 03.74378	15 58 08.84	−08 34 51.5		327
1997 JU_7		1997 05 08.74502	15 53 52.37	−07 55 50.0		327
1997 JU_7		1997 05 08.75528	15 53 51.83	−07 55 45.3	18.7	327
1997 JU_7		1997 05 08.76498	15 53 51.25	−07 55 39.9		327
1997 JU_7		1997 05 08.77470	15 53 50.82	−07 55 35.7		327
1997 JU_7		1997 05 16.59925	15 46 44.81	−06 57 45.4	18.4	327
1997 JU_7		1997 05 16.60888	15 46 44.25	−06 57 41.5		327
1997 JU_7		1997 05 16.61843	15 46 43.71	−06 57 37.2		327
1997 JU_7		1997 05 18.72443	15 44 46.80	−06 43 02.4		327
1997 JU_7		1997 05 18.73397	15 44 46.22	−06 42 57.3	17.9	327
1997 JU_7		1997 05 18.74362	15 44 45.67	−06 42 54.1		327
1997 JV_7	*	1997 05 03.72906	15 59 04.15	−09 53 40.7	18.3	327
1997 JV_7		1997 05 03.73900	15 59 03.57	−09 53 37.7		327
1997 JV_7		1997 05 03.74863	15 59 03.11	−09 53 34.5		327
1997 JV_7		1997 05 08.74983	15 54 34.36	−09 25 24.0		327
1997 JV_7		1997 05 08.76008	15 54 33.77	−09 25 20.7		327
1997 JV_7		1997 05 08.76984	15 54 33.21	−09 25 17.6	17.8	327
1997 JV_7		1997 05 08.77951	15 54 32.63	−09 25 13.9		327
1997 JV_7		1997 05 18.72917	15 44 57.32	−08 35 47.8	18.0	327
1997 JV_7		1997 05 18.73881	15 44 56.76	−08 35 45.0		327
1997 JV_7		1997 05 18.74843	15 44 56.17	−08 35 42.9		327
1997 JW_7	*	1997 05 08.65331	12 54 40.16	+06 30 31.7	17.9	327
1997 JW_7		1997 05 08.65810	12 54 40.02	+06 30 31.3	18.0	327
1997 JW_7		1997 05 08.66799	12 54 39.76	+06 30 32.0		327
1997 JW_7		1997 05 08.67281	12 54 39.65	+06 30 31.7		327
1997 JW_7		1997 05 08.68286	12 54 39.35	+06 30 32.0		327
1997 JW_7		1997 05 08.68759	12 54 39.25	+06 30 31.9		327
1997 JW_7		1997 05 09.57155	12 54 18.22	+06 30 46.1		327
1997 JW_7		1997 05 09.58700	12 54 17.84	+06 30 46.0		327
1997 JW_7		1997 05 09.60223	12 54 17.45	+06 30 46.0	18.0	327
1997 JX_7	*	1997 05 08.65331	12 55 36.26	+06 24 13.1		327
1997 JX_7		1997 05 08.66799	12 55 36.00	+06 24 18.9	17.8	327
1997 JX_7		1997 05 08.68286	12 55 35.73	+06 24 24.5		327
1997 JX_7		1997 05 09.57155	12 55 21.01	+06 30 01.7	17.7	327
1997 JX_7		1997 05 09.58700	12 55 20.74	+06 30 07.6		327
1997 JX_7		1997 05 09.60223	12 55 20.46	+06 30 13.2		327
1997 JY_7	*	1997 05 08.65810	12 52 07.65	+06 59 24.5		327
1997 JY_7		1997 05 08.67281	12 52 07.32	+06 59 26.8	19.0	327
1997 JY_7		1997 05 08.68759	12 52 06.97	+06 59 29.6		327
1997 JY_7		1997 05 09.56626	12 51 47.89	+07 01 44.2	18.8	327
1997 JY_7		1997 05 09.58171	12 51 47.51	+07 01 46.5		327
1997 JY_7		1997 05 09.59706	12 51 47.18	+07 01 49.1		327
1997 JZ_7	*	1997 05 08.74983	15 54 05.15	−09 40 47.0	16.8	327
1997 JZ_7		1997 05 08.76008	15 54 04.68	−09 40 40.6		327
1997 JZ_7		1997 05 08.76984	15 54 04.25	−09 40 34.6		327
1997 JZ_7		1997 05 08.77951	15 54 03.78	−09 40 28.5		327
1997 JZ_7		1997 05 09.67154	15 53 24.91	−09 31 26.1	16.8	327
1997 JZ_7		1997 05 09.68130	15 53 24.38	−09 31 19.2		327
1997 JZ_7		1997 05 09.69296	15 53 23.87	−09 31 12.4		327
1997 JZ_7		1997 05 16.60396	15 48 05.81	−08 22 53.9		327
1997 JZ_7		1997 05 16.61360	15 48 05.33	−08 22 48.2	16.4	327
1997 JZ_7		1997 05 16.62325	15 48 04.85	−08 22 42.8		327
1997 JZ_7		1997 05 18.72917	15 46 24.73	−08 02 50.2	16.7	327
1997 JZ_7		1997 05 18.73881	15 46 24.25	−08 02 44.8		327
1997 JZ_7		1997 05 18.74843	15 46 23.79	−08 02 39.5		327
1997 JV_{12}		1997 02 07.89850	14 59 03.25	−12 46 29.3	19.4	327
1997 JV_{12}		1997 02 07.90804	14 59 03.88	−12 46 32.8		327
1997 JV_{12}		1997 02 07.91763	14 59 04.50	−12 46 35.5		327
1997 JC_{14}	*	1997 05 08.74983	15 53 11.11	−09 54 38.4		327
1997 JC_{14}		1997 05 08.76008	15 53 10.60	−09 54 34.2		327
1997 JC_{14}		1997 05 08.76984	15 53 10.05	−09 54 30.3		327
1997 JC_{14}		1997 05 08.77951	15 53 09.58	−09 54 26.3	17.8	327
1997 JC_{14}		1997 05 16.60396	15 46 17.75	−09 02 30.8		327
1997 JC_{14}		1997 05 16.61360	15 46 17.21	−09 02 26.9	17.7	327
1997 JC_{14}		1997 05 16.62325	15 46 16.70	−09 02 23.4		327
1997 JD_{14}	*	1997 05 09.67154	15 52 45.02	−09 51 26.2		327
1997 JD_{14}		1997 05 09.68130	15 52 44.50	−09 51 19.8	18.0	327
1997 JD_{14}		1997 05 09.69296	15 52 43.90	−09 51 14.0		327
1997 JD_{14}		1997 05 18.72917	15 44 58.01	−08 35 18.0		327
1997 JD_{14}		1997 05 18.73881	15 44 57.43	−08 35 12.7	17.3	327
1997 JD_{14}		1997 05 18.74843	15 44 56.92	−08 35 07.9		327
1997 JE_{14}	*	1997 05 11.66416	14 22 10.89	+04 29 37.7		327
1997 JE_{14}		1997 05 11.67896	14 22 09.62	+04 29 22.0		327
1997 JE_{14}		1997 05 11.69421	14 22 08.31	+04 29 05.2	17.0	327
1997 JE_{14}		1997 05 15.72789	14 16 46.24	+03 14 10.1		327
1997 JE_{14}		1997 05 15.73223	14 16 45.87	+03 14 05.2	16.7	327
1997 JE_{14}		1997 05 15.73657	14 16 45.55	+03 14 00.4		327
1997 JE_{14}		1997 05 15.74090	14 16 45.19	+03 13 54.1		327
(61)		1997 03 26.60502	09 58 26.07	+10 22 37.3	12.8	327
(61)		1997 03 26.61954	09 58 25.56	+10 22 37.0		327
(61)		1997 03 26.63412	09 58 25.06	+10 22 36.6		327
(73)		1997 04 25.55565	12 34 54.90	−04 33 19.8		327
(73)		1997 04 25.57065	12 34 54.29	−04 33 16.7		327
(73)		1997 04 25.58530	12 34 53.70	−04 33 13.6	12.5	327
(150)		1997 03 23.70281	14 51 37.90	−16 04 38.3	13.8	327
(150)		1997 03 23.71318	14 51 37.68	−16 04 36.6		327
(150)		1997 03 23.72363	14 51 37.47	−16 04 35.6		327
(300)		1997 04 18.55559	12 25 43.19	−02 12 56.2	14.4	327

(300)	1997 04 18.57081	12 25 42.60	−02 12 52.8		327
(300)	1997 04 18.58594	12 25 42.04	−02 12 49.7		327
(331)	1997 04 06.69183	13 05 39.15	−06 10 01.2	14.1	327
(331)	1997 04 06.70669	13 05 38.42	−06 09 58.2		327
(331)	1997 04 06.72179	13 05 37.68	−06 09 55.2		327
(660)	1997 03 28.56191	08 58 25.52	+14 46 07.4	13.1	327
(660)	1997 03 28.57642	08 58 25.51	+14 46 12.5		327
(660)	1997 03 28.59155	08 58 25.50	+14 46 17.8		327
(922)	1997 04 25.62867	11 35 30.26	−00 49 09.6	16.7	327
(922)	1997 04 25.63855	11 35 30.02	−00 49 06.6		327
(922)	1997 04 25.64851	11 35 29.76	−00 49 03.3		327
(1145)	1997 04 06.51140	09 40 10.61	+14 44 18.5	15.7	327
(1145)	1997 04 06.52584	09 40 10.50	+14 44 16.6		327
(1145)	1997 04 06.54061	09 40 10.38	+14 44 14.5		327
(1178)	1997 04 13.73198	13 00 46.78	−00 03 35.5	14.3	327
(1178)	1997 04 13.74125	13 00 46.37	−00 03 31.1		327
(1178)	1997 04 13.74994	13 00 45.98	−00 03 27.0		327
(1210)	1997 03 23.48190	06 00 57.02	+23 44 02.9	15.6	327
(1210)	1997 03 23.50679	06 00 58.12	+23 44 05.9		327
(1210)	1997 03 23.53116	06 00 59.21	+23 44 08.5		327
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(1303)	1997 03 29.61374	12 38 23.07	+26 25 13.3		327
(1303)	1997 03 29.62939	12 38 22.21	+26 25 12.2		327
(1331)	1997 04 23.57181	10 59 56.80	+09 50 03.7	15.8	327
(1331)	1997 04 23.58656	10 59 56.59	+09 50 04.6		327
(1331)	1997 04 23.60110	10 59 56.38	+09 50 05.3		327
(1429)	1997 04 11.57973	11 43 22.20	+10 18 24.9	17.1	327
(1429)	1997 04 11.58941	11 43 21.79	+10 18 26.2		327
(1429)	1997 04 11.59417	11 43 21.58	+10 18 26.8		327
(1451)	1997 04 16.65903	12 42 49.80	−00 17 06.5		327
(1451)	1997 04 16.68855	12 42 48.40	−00 16 52.0		327
(1451)	1997 04 16.70043	12 42 47.81	−00 16 46.2	15.0	327
(1451)	1997 04 16.71054	12 42 47.34	−00 16 41.3		327
(1519)	1997 04 18.55559	12 25 20.71	−01 28 04.8	16.6	327
(1519)	1997 04 18.57081	12 25 20.02	−01 28 03.2		327
(1519)	1997 04 18.58594	12 25 19.48	−01 28 01.1		327
(1526)	1997 03 26.60995	10 01 21.18	+11 02 02.9		327
(1526)	1997 03 26.62451	10 01 20.76	+11 02 03.4	16.8	327
(1526)	1997 03 26.63897	10 01 20.30	+11 02 03.6		327
(1738)	1997 04 23.66676	12 13 22.98	+02 47 31.5		327
(1738)	1997 04 23.68226	12 13 22.23	+02 47 33.8	15.5	327
(1738)	1997 04 23.69703	12 13 21.52	+02 47 35.8		327
(1781)	1997 04 23.61560	11 34 09.64	+09 47 42.3		327
(1781)	1997 04 23.63049	11 34 09.22	+09 47 41.4	16.9	327
(1781)	1997 04 23.64517	11 34 08.84	+09 47 40.2		327
(1858)	1997 03 26.60502	09 59 05.84	+09 57 07.3	16.2	327
(1858)	1997 03 26.61954	09 59 05.40	+09 57 09.7		327
(1858)	1997 03 26.63412	09 59 05.00	+09 57 12.5		327
(2095)	1997 04 25.62867	11 37 53.78	−01 02 17.4		327
(2095)	1997 04 25.63855	11 37 53.50	−01 02 15.9		327
(2095)	1997 04 25.64851	11 37 53.30	−01 02 15.1	16.7	327
(2206)	1997 04 20.58786	14 11 41.70	−03 38 06.9	14.9	327
(2206)	1997 04 20.59256	14 11 41.45	−03 38 06.7		327
(2206)	1997 04 20.59729	14 11 41.19	−03 38 06.2		327
(2270)	1997 04 11.52947	10 56 14.81	+09 55 44.2		327
(2270)	1997 04 11.56359	10 56 13.95	+09 55 47.5	16.3	327
(2270)	1997 04 11.57426	10 56 13.69	+09 55 48.4		327
(2313)	1997 04 16.49610	07 20 32.28	+20 18 19.8		327
(2313)	1997 04 16.50044	07 20 32.51	+20 18 19.7		327
(2313)	1997 04 16.50477	07 20 32.77	+20 18 17.9	17.8	327
(2313)	1997 04 16.50910	07 20 33.01	+20 18 18.1		327
(2414)	1997 04 23.56693	10 51 33.11	+08 26 44.4		327
(2414)	1997 04 23.58185	10 51 32.86	+08 26 41.9	16.9	327
(2414)	1997 04 23.59630	10 51 32.61	+08 26 40.1		327
(2450)	1997 03 23.50160	06 20 46.22	+23 09 51.3	17.2	327
(2450)	1997 03 23.52622	06 20 47.24	+23 09 52.3		327
(2450)	1997 03 23.55022	06 20 48.22	+23 09 51.9		327
(2512)	1997 04 06.58556	11 52 33.07	+11 48 37.0		327
(2512)	1997 04 06.59972	11 52 32.32	+11 48 38.2	15.4	327
(2512)	1997 04 06.61437	11 52 31.57	+11 48 39.4		327
(2589)	1997 04 23.66190	12 09 32.40	+01 39 44.6	16.8	327
(2589)	1997 04 23.67728	12 09 31.91	+01 39 47.9		327
(2589)	1997 04 23.69220	12 09 31.41	+01 39 50.5		327
(2737)	1997 04 10.50574	09 38 13.93	+13 40 10.3	16.0	327
(2737)	1997 04 10.51541	09 38 13.99	+13 40 08.2		327
(2737)	1997 04 10.52528	09 38 14.07	+13 40 05.9		327
(2737)	1997 04 18.51969	09 40 08.67	+13 06 54.7		327
(2737)	1997 04 18.52947	09 40 08.85	+13 06 52.0	16.2	327
(2737)	1997 04 18.53913	09 40 09.01	+13 06 49.5		327
(2786)	1997 04 21.60223	10 57 38.67	+11 01 41.6	16.6	327
(2786)	1997 04 21.61780	10 57 38.35	+11 01 39.0	16.8	327
(2786)	1997 04 21.63338	10 57 38.04	+11 01 36.0	16.9	327
(3225)	1997 04 20.62183	14 49 29.44	+07 39 04.0	15.3	327
(3225)	1997 04 20.63141	14 49 28.92	+07 39 18.3		327
(3225)	1997 04 20.64108	14 49 28.38	+07 39 32.4		327
(3311)	1997 03 23.56628	08 09 15.10	+19 44 44.4	16.4	327
(3311)	1997 03 23.58167	08 09 15.27	+19 44 44.2		327
(3311)	1997 03 23.59880	08 09 15.50	+19 44 43.9		327
(3814)	1997 03 23.64606	09 58 32.36	+13 01 49.0		327
(3814)	1997 03 23.66124	09 58 31.96	+13 01 51.5		327
(3814)	1997 03 23.67538	09 58 31.55	+13 01 53.0	17.1	327
(3876)	1997 03 28.52310	07 51 49.37	+27 37 55.6		327
(3876)	1997 03 28.53417	07 51 49.52	+27 37 55.2		327
(3876)	1997 03 28.54514	07 51 49.72	+27 37 54.5		327
(3876)	1997 03 28.55582	07 51 49.90	+27 37 54.3	17.2	327
(4737)	1997 03 28.63520	12 58 05.77	+00 01 48.9		327
(4737)	1997 03 28.64544	12 58 05.24	+00 01 52.9	16.1	327
(4737)	1997 03 28.65569	12 58 04.76	+00 01 56.8		327
(4737)	1997 03 30.73719	12 56 24.92	+00 15 21.0	16.2	327
(4737)	1997 03 30.75787	12 56 23.89	+00 15 28.9		327
(4737)	1997 03 30.79435	12 56 22.08	+00 15 43.0		327
(4737)	1997 04 13.70082	12 45 09.47	+01 39 03.2	15.9	327
(4737)	1997 04 13.71142	12 45 09.07	+01 39 05.9		327
(4737)	1997 04 13.72155	12 45 08.49	+01 39 07.9		327

(4737)	1997 04 24.62598	12 37 23.85	+02 29 15.6		327
(4737)	1997 04 24.64148	12 37 23.29	+02 29 19.8	16.5	327
(4737)	1997 04 24.65626	12 37 22.68	+02 29 22.7		327
(4854)	1997 04 15.75332	15 59 09.69	−07 47 30.6		327
(4854)	1997 04 15.75766	15 59 09.60	−07 47 28.8		327
(4854)	1997 04 15.76632	15 59 09.40	−07 47 25.5	17.8	327
(5265)	1997 04 24.51427	10 02 56.95	+10 39 36.4		327
(5265)	1997 04 24.52897	10 02 57.15	+10 39 37.2		327
(5265)	1997 04 24.54326	10 02 57.32	+10 39 37.3	18.3	327
(5265)	1997 04 25.50554	10 03 10.37	+10 40 16.1		327
(5265)	1997 04 25.51646	10 03 10.54	+10 40 16.2	18.7	327
(5265)	1997 04 25.52725	10 03 10.68	+10 40 16.8		327
(5369)	1997 03 28.57150	09 03 11.91	+15 04 07.7	18.3	327
(5369)	1997 03 28.58660	09 03 11.79	+15 04 10.4		327
(5369)	1997 03 28.60118	09 03 11.67	+15 04 12.1		327
(6008)	1997 04 13.73689	13 05 01.30	+00 10 31.4	16.3	327
(6008)	1997 04 13.74560	13 05 00.76	+00 10 33.5		327
(6008)	1997 04 13.75428	13 05 00.24	+00 10 35.6		327
(6016)	1997 03 30.72175	12 16 04.54	−02 15 56.4	17.0	327
(6016)	1997 03 30.74247	12 16 03.37	−02 15 47.1		327
(6016)	1997 03 30.76311	12 16 02.27	−02 15 37.0		327
(6077)	1997 04 17.63178	13 15 51.77	−07 52 59.5		327
(6077)	1997 04 17.64229	13 15 51.20	−07 52 57.3	16.3	327
(6077)	1997 04 17.65257	13 15 50.67	−07 52 54.9		327
(6425)	1997 05 09.67154	15 54 15.01	−09 54 31.9	16.4	327
(6425)	1997 05 09.68130	15 54 14.44	−09 54 25.9		327
(6425)	1997 05 09.69296	15 54 13.86	−09 54 19.6		327
(6425)	1997 05 16.60396	15 48 11.68	−08 51 22.9	15.7	327
(6425)	1997 05 16.61360	15 48 11.16	−08 51 17.9		327
(6425)	1997 05 16.62325	15 48 10.62	−08 51 12.3		327
(6425)	1997 05 18.72917	15 46 16.64	−08 32 36.1		327
(6425)	1997 05 18.73881	15 46 16.10	−08 32 31.1	15.8	327
(6425)	1997 05 18.74843	15 46 15.56	−08 32 26.1		327
(6573)	1997 04 24.51947	09 59 21.33	+12 05 45.9	18.4	327
(6573)	1997 04 24.53382	09 59 21.53	+12 05 45.6		327
(6573)	1997 04 24.54809	09 59 21.71	+12 05 45.1		327
(6741)	1997 03 28.56191	08 58 51.69	+15 09 30.4	17.5	327
(6741)	1997 03 28.57642	08 58 51.58	+15 09 32.3		327
(6741)	1997 03 28.59155	08 58 51.47	+15 09 34.9		327
(7516)	1997 04 23.56693	10 49 47.87	+09 13 38.1	17.6	327
(7516)	1997 04 23.58185	10 49 47.71	+09 13 41.1		327
(7516)	1997 04 23.59630	10 49 47.60	+09 13 43.7		327
(7579)	1997 04 17.50525	07 28 01.56	+19 59 41.1		327
(7579)	1997 04 17.51552	07 28 02.58	+19 59 35.0	17.6	327
(7579)	1997 04 17.52582	07 28 03.57	+19 59 27.6		327
(7583)	1997 04 02.69017	13 27 23.57	+05 22 28.7	17.0	327
(7583)	1997 04 02.71029	13 27 22.71	+05 22 36.5		327
(7583)	1997 04 02.72539	13 27 22.00	+05 22 43.4		327
(7606)	1997 04 11.52947	10 55 53.62	+09 57 54.7	18.8	327
(7606)	1997 04 11.56359	10 55 52.78	+09 57 56.1		327
(7606)	1997 04 11.57426	10 55 52.50	+09 57 56.7		327
(7608)	1997 04 16.65903	12 42 11.23	−00 45 01.0		327
(7608)	1997 04 16.70043	12 42 09.04	−00 44 51.1	17.6	327
(7608)	1997 04 16.71054	12 42 08.61	−00 44 47.8		327

355 Hadano

A. Asami, 28-1 Nishitawara, Hadano, Kanagawa-Ken, 257 Japan
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0.2-m f/6.0 reflector + CCD, 0.28-m f/5.0 reflector + CCD
GSC

1997 AR_{16}	1997 04 26.50292	11 12 35.46	+01 44 43.9		355
1997 AR_{16}	1997 04 26.50684	11 12 35.43	+01 44 42.9		355
1997 AR_{16}	1997 04 29.53432	11 11 47.93	+01 29 38.6		355
1997 AR_{16}	1997 04 29.53849	11 11 47.89	+01 29 36.5		355
1997 AR_{16}	1997 05 09.47257	11 11 00.52	+00 34 35.4		355
1997 AR_{16}	1997 05 09.48472	11 11 00.51	+00 34 31.9		355
1997 GA_{26}	1997 04 26.54856	13 31 09.42	−03 32 20.6		355
1997 GA_{26}	1997 04 26.55454	13 31 09.03	−03 32 21.6		355
1997 GA_{26}	1997 04 29.58982	13 28 08.55	−03 34 53.7		355
1997 GA_{26}	1997 04 29.59542	13 28 08.21	−03 34 54.2		355
1997 GA_{26}	1997 05 01.57675	13 26 15.91	−03 37 24.4		355
1997 GA_{26}	1997 05 01.58435	13 26 15.45	−03 37 24.3		355
1997 GA_{26}	1997 05 01.58850	13 26 15.19	−03 37 24.5		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 EX_{25}	1997 04 01.58220	12 11 52.71	+03 15 29.9	17.1	V	358
1997 EX_{25}	1997 04 01.59618	12 11 52.15	+03 15 37.2			358
1997 EX_{25}	1997 04 01.60440	12 11 51.63	+03 15 39.7			358
1997 EY_{25}	1997 04 01.54699	12 11 23.64	+06 55 45.4	17.8	V	358
1997 EY_{25}	1997 04 01.56910	12 11 22.24	+06 56 00.2			358
1997 GB_{26}	1997 04 16.62734	14 31 02.03	−11 04 55.7	17.1	V	358
1997 GB_{26}	1997 04 16.65500	14 31 00.34	−11 04 59.2			358
1997 GO_{28}	1997 04 15.68618	14 32 54.72	−09 41 13.5	18.0	V	358
1997 GO_{28}	1997 04 15.71120	14 32 53.41	−09 41 06.8			358
1997 GO_{28}	1997 05 09.57016	14 11 10.47	−08 26 26.6	17.6	V	358
1997 GO_{28}	1997 05 09.60610	14 11 08.64	−08 26 21.3			358
1997 GO_{28}	1997 05 12.56155	14 08 38.14	−08 20 31.7	17.3	V	358
1997 GO_{28}	1997 05 12.58902	14 08 36.59	−08 20 29.4			358
1997 GO_{28}	1997 05 12.59699	14 08 36.24	−08 20 27.9			358
1997 JY_4	* 1997 05 01.62532	15 19 28.16	−16 48 28.6	18.3	V	358
1997 JY_4	1997 05 01.67391	15 19 24.97	−16 48 31.5			358
1997 JY_4	1997 05 05.60106	15 15 18.06	−16 53 44.3	18.0	V	358
1997 JY_4	1997 05 05.62759	15 15 16.23	−16 53 46.9			358
1997 JY_4	1997 05 05.65664	15 15 14.28	−16 53 49.0			358
1997 JY_4	1997 05 09.63557	15 10 54.93	−16 58 44.9	18.0	V	358
1997 JY_4	1997 05 09.65640	15 10 53.40	−16 58 46.3			358
1997 JY_4	1997 05 09.67583	15 10 52.12	−16 58 48.6			358
1997 JY_4	1997 05 11.67917	15 08 39.73	−17 01 11.0	17.7	V	358
1997 JY_4	1997 05 11.71379	15 08 37.52	−17 01 13.9			358
1997 JD_{10}	* 1997 05 09.64111	15 08 44.98	−15 16 01.0	17.5	V	358
1997 JD_{10}	1997 05 09.66190	15 08 43.54	−15 15 56.5			358

1997 JD_{10}	1997 05 11.65414	15 06 45.80	−15 12 31.4	17.3 V		358
1997 JD_{10}	1997 05 11.68885	15 06 43.58	−15 12 26.4			358

360 Kuma Kogen Astronomical Observatory
A. Nakamura, Shimo-Hatanokawa, Kuma, Kamiukena-Gun, Ehime-Ken, 791-12 Japan [gcc00404@niftyserve.or.jp]
0.60-m f/6.0 Ritchey-Chrétien + CCD
GSC, USNO-SA1.0

1988 XB	1997 05 05.74913	16 53 51.15	−19 36 24.4		c	360
1988 XB	1997 05 05.76615	16 53 50.66	−19 36 25.5		c	360
1988 XB	1997 05 05.77101	16 53 50.46	−19 36 25.1		c	360
1990 BA	1997 05 05.63628	14 08 54.93	−18 32 36.6		S	360
1990 BA	1997 05 05.64097	14 08 54.59	−18 32 34.5		S	360
1990 BA	1997 05 05.64670	14 08 54.15	−18 32 31.6		S	360
1991 VH	1997 05 09.52517	11 13 04.86	+38 04 04.1	18.1 V		360
1991 VH	1997 05 09.52934	11 13 05.12	+38 04 00.9			360
1991 VH	1997 05 09.53316	11 13 05.36	+38 03 57.7			360
1992 CC_1	1997 05 09.49201	10 01 55.32	−06 11 41.7	18.4 V		360
1992 CC_1	1997 05 09.49913	10 01 55.38	−06 11 43.9			360
1992 CC_1	1997 05 09.50382	10 01 55.38	−06 11 46.1			360
1993 RR_2	1997 05 05.60903	14 00 22.24	+06 07 14.0		S	360
1993 RR_2	1997 05 05.61424	14 00 21.87	+06 07 16.3		S	360
1993 RR_2	1997 05 05.61910	14 00 21.57	+06 07 18.3		S	360
1994 VY	1997 04 29.59132	12 08 12.34	−12 47 57.0	18.9 V		360
1994 VY	1997 04 29.59740	12 08 12.18	−12 47 54.7			360
1994 XS	1997 04 29.70486	15 57 22.80	−09 04 03.4	19.1 V		360
1994 XS	1997 04 29.71146	15 57 22.56	−09 04 02.0			360
1994 XS	1997 05 09.65521	15 50 10.07	−08 34 40.9	18.9 V		360
1995 GO	1997 05 04.59427	13 11 30.74	−14 04 48.1	19.7 V		360
1995 GO	1997 05 04.61962	13 11 30.36	−14 04 45.9			360
1995 GO	1997 05 04.63351	13 11 30.15	−14 04 44.2			360
1995 YZ_1	1997 04 29.60330	12 38 59.17	−05 45 08.5	18.5 V		360
1995 YZ_1	1997 04 29.60903	12 38 58.92	−05 45 07.5			360
1995 YZ_1	1997 04 29.61545	12 38 58.68	−05 45 06.7			360
1996 CW_2	1997 04 29.63733	14 32 19.29	−26 29 28.4	18.5 V		360
1996 CW_2	1997 04 29.64201	14 32 19.01	−26 29 27.8			360
1996 CW_2	1997 05 05.65521	14 27 08.51	−26 14 51.6			360
1996 CW_2	1997 05 05.66042	14 27 08.25	−26 14 50.6			360
1996 DA_3	1997 05 05.73229	16 23 22.04	−14 12 47.4		S	360
1996 DA_3	1997 05 05.75486	16 23 20.93	−14 12 40.7			360
1996 DA_3	1997 05 05.75938	16 23 20.70	−14 12 39.2			360
1996 DA_3	1997 05 09.66858	16 20 06.26	−13 52 33.8	18.2 V		360
1996 DA_3	1997 05 09.67726	16 20 05.78	−13 52 31.1			360
1997 CU_{26}	1997 05 04.47101	08 25 08.39	+15 31 49.7	18.3 V		360
1997 CU_{26}	1997 05 04.52500	08 25 08.74	+15 31 47.4			360
1997 CU_{26}	1997 05 04.53090	08 25 08.75	+15 31 47.4			360
1997 FQ_1	1997 04 28.61840	12 55 06.27	−12 29 55.8	18.9 V		360
1997 FQ_1	1997 04 28.62448	12 55 06.05	−12 29 53.6			360
1997 FQ_1	1997 05 04.58038	12 51 04.75	−12 01 09.9	18.9 V		360
1997 FQ_1	1997 05 04.58611	12 51 04.53	−12 01 08.2			360
1997 FQ_1	1997 05 09.57326	12 48 28.87	−11 39 44.4	19.0 V		360
1997 FQ_1	1997 05 09.58056	12 48 28.65	−11 39 43.1			360
1997 FJ_4	1997 04 29.60330	12 38 51.38	−05 46 26.7	19.1 V		360
1997 FJ_4	1997 04 29.60903	12 38 51.19	−05 46 25.5			360
1997 FJ_4	1997 04 29.61545	12 38 50.97	−05 46 23.8			360
1997 GH_3	1997 04 26.57691	10 04 26.33	+14 37 34.2			360
1997 GH_3	1997 04 26.57986	10 04 27.41	+14 37 29.9			360
1997 GH_3	1997 04 26.58212	10 04 28.24	+14 37 26.6			360
1997 GH_3	1997 05 04.55660	10 51 03.62	+11 16 11.6	17.2 V		360
1997 GH_3	1997 05 04.55955	10 51 04.57	+11 16 06.8			360
1997 GH_3	1997 05 04.56198	10 51 05.33	+11 16 03.0			360
1997 GL_3	1997 04 26.58924	13 13 21.27	−00 06 11.1			360
1997 GL_3	1997 04 26.59497	13 13 20.96	−00 06 09.9			360
1997 GL_3	1997 04 26.60035	13 13 20.66	−00 06 08.6			360
1997 GL_3	1997 04 29.62222	13 11 29.80	+00 02 11.8	18.5 V		360
1997 GL_3	1997 04 29.62708	13 11 29.62	+00 02 12.3			360
1997 GL_3	1997 04 29.63125	13 11 29.45	+00 02 13.0			360
1997 GR_{24}	1997 04 26.62257	15 16 48.12	−08 19 19.7			360
1997 GR_{24}	1997 04 26.62934	15 16 47.79	−08 19 16.5			360
1997 GR_{24}	1997 04 26.63368	15 16 47.58	−08 19 13.8			360
1997 GR_{24}	1997 05 05.66701	15 09 41.04	−07 03 42.6			360
1997 GR_{24}	1997 05 05.67291	15 09 40.74	−07 03 39.7			360
1997 GO_{27}	1997 05 04.65521	14 10 57.14	+15 53 49.4	18.7 V	S	360
1997 GO_{27}	1997 05 04.66354	14 10 56.59	+15 54 03.3		S	360
1997 GO_{27}	1997 05 04.67031	14 10 56.17	+15 54 13.2		S	360
1997 GD_{32}	1997 04 26.64792	15 52 28.37	+09 12 47.5			360
1997 GD_{32}	1997 04 26.65122	15 52 31.16	+09 12 58.4			360
1997 GD_{32}	1997 04 26.65399	15 52 33.53	+09 13 07.9			360
1997 GD_{32}	1997 04 28.68576	16 31 34.73	+11 26 30.8	16.8 V		360
1997 GD_{32}	1997 04 28.68872	16 31 38.92	+11 26 44.3			360
1997 GD_{32}	1997 04 28.69115	16 31 42.45	+11 26 56.2			360
1997 HA	* 1997 04 26.60556	15 16 05.77	−09 01 37.0			360
1997 HA	1997 04 26.61042	15 16 05.55	−09 01 34.8			360
1997 HA	1997 04 26.61667	15 16 05.28	−09 01 32.2			360
1997 HA	1997 04 28.63177	15 14 29.50	−08 47 45.8	18.1 V		360
1997 HA	1997 04 28.63958	15 14 29.13	−08 47 42.9			360
1997 HA	1997 04 28.64635	15 14 28.79	−08 47 39.9			360
1997 HA	1997 05 05.68003	15 08 31.69	−08 01 07.0			360
1997 HA	1997 05 05.68524	15 08 31.42	−08 01 05.2			360
1997 JC	1997 05 04.60122	14 31 43.52	−13 22 19.8			360
1997 JC	1997 05 04.60538	14 31 43.02	−13 22 22.3	19.5 V		360
1997 JC	1997 05 04.61389	14 31 41.93	−13 22 28.0			360
(3671)	1997 05 05.62535	13 56 05.90	+27 03 58.4			360
(3671)	1997 05 05.62847	13 56 05.54	+27 03 59.0			360

365 Kashihara
F. Uto, 12-1 Shirakashi Cho 7 Chome, Kashihara, Nara-Ken, 634 Japan [nag01736@niftyserve.or.jp]
0.20-m f/4.0 reflector + CCD
GSC

1997 JE_{10}	* 1997 05 09.74687	15 45 24.66	−13 22 16.1	17.0 V		365
1997 JE_{10}	1997 05 09.76424	15 45 23.79	−13 22 16.5			365
1997 JE_{10}	1997 05 12.64549	15 42 52.30	−13 22 39.0	16.8 V		365
1997 JE_{10}	1997 05 12.66910	15 42 51.03	−13 22 40.2			365

367 Yatsuka
H. Abe, 461-2, Futago, Yatsuka-Cho, Shimane-Ken, 690-14 Japan
0.26-m $f/6.0$ reflector + CCD
GSC

1993 GO	1997 04 28.58854	14 25 14.98	−04 16 48.1	16.4 V	367
1993 GO	1997 04 28.59271	14 25 14.68	−04 16 49.4		367
1993 GO	1997 05 17.58900	14 06 22.97	−06 00 21.4	16.5 V	367
1993 GO	1997 05 17.59306	14 06 22.76	−06 00 22.3		367
1993 JL	1997 04 28.57154	13 27 59.79	+12 49 02.9	16.0 V	367
1993 JL	1997 04 28.57570	13 27 59.55	+12 49 02.0		367
1995 VU_1	1997 04 28.55208	12 44 51.44	+14 00 06.6	16.6 V	367
1995 VU_1	1997 04 28.55694	12 44 51.25	+14 00 05.7		367
1995 WN_8	1997 04 28.56146	13 16 53.79	+11 27 13.8	16.0 V	367
1995 WN_8	1997 04 28.56632	13 16 53.59	+11 27 15.1		367
1997 GA_{26}	1997 04 28.57986	13 29 07.65	−03 33 52.9	16.9 V	367
1997 GA_{26}	1997 04 28.58403	13 29 07.38	−03 33 53.7		367
1997 GA_{26}	1997 05 17.57708	13 14 59.13	−04 23 29.8	16.8 V	367
1997 GA_{26}	1997 05 17.58091	13 14 59.00	−04 23 30.3		367
1997 GA_{26}	1997 05 17.58472	13 14 58.89	−04 23 31.8		367
1997 HA	1997 04 28.59826	15 14 31.21	−08 48 00.0	18.2 V	367
1997 HA	1997 04 28.60347	15 14 30.90	−08 47 58.0		367
1997 JE_{10}	1997 05 17.59687	15 38 27.95	−13 23 57.9	16.9 V	367
1997 JE_{10}	1997 05 17.60034	15 38 27.79	−13 23 58.6		367
1997 JE_{10}	1997 05 17.60381	15 38 27.55	−13 23 58.7		367

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

1989 EX	1997 04 10.53242	11 02 31.90	+19 40 51.8	376
1989 EX	1997 04 10.54079	11 02 31.75	+19 40 53.2	376
1992 AH_1	1997 04 10.59081	13 47 52.17	−24 22 56.4	376
1992 AH_1	1997 04 10.59829	13 47 51.73	−24 22 55.2	376
1992 AH_1	1997 04 12.60167	13 45 48.90	−24 20 47.7	376
1992 AH_1	1997 04 12.61021	13 45 48.39	−24 20 47.4	376

381 Kiso
D. J. Asher, National Astronomical Observatory, Mitaka, Tokyo 181, Japan
[davidas@cc.nao.ac.jp]
Observers T. Hasegawa, T. Mizuno, M. Hamabe, S. Isobe, M. Shinohara
Measurers Y. Asakura, D. J. Asher
1.05-m $f/3.1$ Schmidt + CCD
GSC, AGK3

1996 PS_8	1996 09 18.44104	21 20 29.57	−15 08 08.0	18.6 V	381
1996 PS_8	1996 09 18.44539	21 20 29.47	−15 08 08.6	18.5 V	381
1996 PS_8	1996 09 18.48322	21 20 28.36	−15 08 11.0	18.3 V	381
1996 PS_8	1996 09 18.49072	21 20 28.17	−15 08 11.7	18.3 V	381
1996 PS_8	1996 09 18.51678	21 20 27.43	−15 08 13.5	18.7 V	381

399 Kushiro
H. Kaneda, Taiyo MS 2-H, 2-15, Kawazoe 8 Jo 2 Chime, Minami-Ku, Sapporo, 005 Japan
Observer S. Ueda
Measurer H. Kaneda
0.25-m $f/3.4$ hyperboloid astrocamera
GSC

1991 UE_3	1997 04 30.59100	14 59 00.51	−08 20 59.6	15.8	399
1991 UE_3	1997 04 30.60087	14 58 59.84	−08 21 00.8		399
1991 UE_3	1997 05 03.56753	14 55 53.56	−08 18 52.2	15.8	399
1991 UE_3	1997 05 03.58194	14 55 52.66	−08 18 52.0		399
1993 FO_1	1997 04 30.55347	13 35 34.99	−05 28 59.9	16.7	399
1993 FO_1	1997 04 30.56910	13 35 34.21	−05 28 59.8		399
1993 FO_1	1997 05 03.53264	13 32 50.44	−05 23 03.0	16.8	399
1993 FO_1	1997 05 03.54688	13 32 49.84	−05 23 01.7		399
1993 JL	1997 04 10.59167	13 45 17.72	+12 57 22.9	15.5	399
1993 JL	1997 04 30.51950	13 26 17.08	+12 42 28.1	15.7	399
1993 JL	1997 04 30.53368	13 26 16.24	+12 42 22.3		399
1993 JL	1997 05 03.49583	13 23 47.42	+12 30 14.4	16.2	399
1993 JL	1997 05 03.51007	13 23 46.78	+12 30 12.0		399
1997 HD_{17}	* 1997 04 30.55347	13 38 27.97	−05 26 40.1	16.5	399
1997 HD_{17}	1997 04 30.56910	13 38 26.92	−05 26 41.0		399
1997 HD_{17}	1997 05 03.53264	13 35 35.43	−05 28 22.9	16.5	399
1997 HD_{17}	1997 05 03.54688	13 35 34.55	−05 28 23.9		399

400 Kitami
K. Endate, 3-17, Hinode 1 Chome, Mihoro Cho, Abashiri-Gun, Hokkaido, 092 Japan
Observer K. Endate
0.25-m $f/3.4$ hyperboloid astrocamera + CCD
GSC

1997 GT_3	1997 04 10.56259	13 00 57.16	−06 36 20.5	18.2 V	400
1997 GT_3	1997 04 10.58942	13 00 55.77	−06 36 17.4		400
1997 GT_3	1997 04 15.52840	12 56 48.04	−06 25 12.3	18.3 V	400
1997 GT_3	1997 04 15.54721	12 56 47.17	−06 25 09.9		400
1997 GU_3	1997 04 10.56685	13 09 32.53	−04 26 07.2	18.1 V	400
1997 GU_3	1997 04 10.59355	13 09 31.11	−04 26 01.6		400
1997 GV_3	1997 04 10.56891	13 07 36.53	−05 14 38.2	17.7 V	400
1997 GV_3	1997 04 10.59560	13 07 34.71	−05 14 35.2		400
1997 GW_3	1997 04 10.57322	13 13 53.69	−06 10 15.0	17.8 V	400
1997 GW_3	1997 04 10.59975	13 13 52.40	−06 10 05.9		400
1997 GW_3	1997 04 10.60388	13 13 52.23	−06 10 02.8		400
1997 GW_3	1997 04 15.53669	13 09 39.80	−05 31 05.4	16.4 V	400
1997 GW_3	1997 04 15.55539	13 09 38.91	−05 30 58.5		400
1997 GX_3	1997 04 10.57527	13 14 19.72	−06 24 36.3	18.0 V	400
1997 GX_3	1997 04 10.60181	13 14 18.36	−06 24 33.8		400
1997 GW_{24}	1997 04 10.56471	13 10 03.11	−05 27 39.3	17.0 V	400
1997 GW_{24}	1997 04 10.59149	13 10 01.97	−05 27 31.7		400
1997 GX_{24}	1997 04 10.57940	13 52 06.72	−07 04 02.6	17.2 V	400
1997 GX_{24}	1997 04 10.60593	13 52 05.54	−07 03 56.4		400
1997 GV_{36}	* 1997 04 03.56252	13 19 10.27	−06 43 34.1	17.9 V	400
1997 GV_{36}	1997 04 03.61102	13 19 08.19	−06 43 22.1		400
1997 GV_{36}	1997 04 04.57289	13 18 26.50	−06 38 35.2	18.0 V	400
1997 GV_{36}	1997 04 04.61499	13 18 24.71	−06 38 26.9		400
1997 GV_{36}	1997 04 10.57322	13 14 01.77	−06 09 00.3	17.9 V	400
1997 GV_{36}	1997 04 10.59975	13 14 00.54	−06 08 52.2		400

1997 GV_{36}	1997 04 10.60388	13 14 00.33	−06 08 49.8		400
1997 GV_{36}	1997 04 15.54079	13 10 22.85	−05 44 47.7	18.1 V	400
1997 GV_{36}	1997 04 15.55947	13 10 22.04	−05 44 41.8		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

1997 AR_{16}	1997 04 26.59491	11 12 33.62	+01 44 18.3	16.9 V	402
1997 AR_{16}	1997 04 26.59699	11 12 33.58	+01 44 17.9		402
1997 AR_{16}	1997 04 26.59907	11 12 33.53	+01 44 16.7		402
1997 AR_{16}	1997 05 04.54701	11 11 03.38	+01 02 56.2	17.8 V	402
1997 AR_{16}	1997 05 04.55118	11 11 03.36	+01 02 55.0		402
1997 AR_{16}	1997 05 04.55535	11 11 03.34	+01 02 53.4		402
1997 BR	1997 04 24.55774	08 34 30.96	+70 27 41.1	17.8 V	402
1997 BR	1997 04 24.55983	08 34 31.20	+70 27 41.6		402
1997 BR	1997 04 24.56191	08 34 31.31	+70 27 42.0		402
1997 BR	1997 05 01.51517	08 44 44.15	+71 34 14.8	17.8 V	402
1997 BR	1997 05 01.51795	08 44 44.42	+71 34 16.2		402
1997 BR	1997 05 01.52073	08 44 44.64	+71 34 17.4		402
1997 BR	1997 05 04.48848	08 49 25.81	+72 03 47.6	18.7 V	402
1997 BR	1997 05 04.49196	08 49 26.02	+72 03 49.4		402
1997 BR	1997 05 04.49543	08 49 26.38	+72 03 50.2		402
1997 GH_3	1997 04 25.56645	09 58 04.91	+15 01 30.5	16.5 V	402
1997 GH_3	1997 04 25.56853	09 58 05.70	+15 01 27.4		402
1997 GH_3	1997 04 25.57061	09 58 06.45	+15 01 24.5		402
1997 GH_3	1997 05 01.52828	10 34 09.46	+12 34 19.1	16.6 V	402
1997 GH_3	1997 05 01.53036	10 34 10.16	+12 34 15.9		402
1997 GH_3	1997 05 01.53244	10 34 10.83	+12 34 12.8		402
1997 GH_3	1997 05 06.59645	11 01 53.11	+10 23 12.3	16.3 V	402
1997 GH_3	1997 05 06.59784	11 01 53.52	+10 23 10.0		402
1997 GH_3	1997 05 06.59922	11 01 53.95	+10 23 07.9		402
1997 GL_3	1997 04 19.60240	13 21 46.55	−00 57 09.3	16.8 V	402
1997 GL_3	1997 04 19.60448	13 21 46.29	−00 57 07.6		402
1997 GL_3	1997 04 19.60656	13 21 46.04	−00 57 06.3		402
1997 GL_3	1997 04 25.58060	13 14 09.40	−00 10 23.9	17.3 V	402
1997 GL_3	1997 04 25.58338	13 14 09.24	−00 10 23.6		402
1997 GL_3	1997 04 25.58616	13 14 09.08	−00 10 22.8		402
1997 GL_3	1997 05 01.54159	13 10 41.63	+00 04 45.7	18.6 V	402
1997 GL_3	1997 05 01.54575	13 10 41.51	+00 04 46.0		402
1997 GL_3	1997 05 01.54992	13 10 41.38	+00 04 46.7		402
1997 GA_{26}	1997 04 26.60845	13 31 05.61	−03 32 22.7	17.2 V	402
1997 GA_{26}	1997 04 26.61053	13 31 05.49	−03 32 22.7		402
1997 GA_{26}	1997 04 26.61262	13 31 05.35	−03 32 22.9		402
1997 GA_{26}	1997 05 06.55281	13 21 57.13	−03 46 39.2	17.4 V	402
1997 GA_{26}	1997 05 06.55559	13 21 57.00	−03 46 39.5		402
1997 GA_{26}	1997 05 06.55837	13 21 56.85	−03 46 39.9		402
1997 GD_{32}	1997 04 19.63179	14 55 55.27	+05 17 56.2	18.4 V	402
1997 GD_{32}	1997 04 19.63457	14 55 55.90	+05 17 57.7		402
1997 GD_{32}	1997 04 19.63735	14 55 56.51	+05 18 01.8		402
1997 GD_{32}	1997 04 25.60574	15 38 42.92	+08 20 24.8	17.4 V	402
1997 GD_{32}	1997 04 25.60713	15 38 43.85	+08 20 28.2		402
1997 GD_{32}	1997 04 25.60852	15 38 44.73	+08 20 31.3		402
1997 GD_{32}	1997 04 26.58082	15 51 31.42	+09 09 02.0	16.6 V	402
1997 GD_{32}	1997 04 26.58221	15 51 32.62	+09 09 06.7		402
1997 GD_{32}	1997 04 26.58360	15 51 33.70	+09 09 11.5		402
1997 JE_{10}	1997 05 17.67623	15 38 23.58	−13 24 00.4	17.7 V	402
1997 JE_{10}	1997 05 17.67900	15 38 23.43	−13 24 00.4		402
1997 JE_{10}	1997 05 17.68178	15 38 23.26	−13 24 00.6		402
(2060)	1997 04 26.62757	13 45 19.61	−10 53 52.9	16.0 V	402
(2060)	1997 04 26.63104	13 45 19.55	−10 53 52.8		402
(2060)	1997 04 26.63451	13 45 19.49	−10 53 52.3		402

411 Oizumi

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

GSC

1995 XN_1	1997 05 04.50774	12 38 19.89	+15 14 40.3		411
1995 XN_1	1997 05 04.51178	12 38 19.75	+15 14 39.1		411
1995 XN_1	1997 05 04.51447	12 38 19.66	+15 14 38.2		411
1995 YM	1997 05 04.55983	14 08 12.34	+14 38 34.7		411
1995 YM	1997 05 04.56511	14 08 12.12	+14 38 33.9		411
1996 AU	1997 05 04.52931	13 39 46.67	+15 49 17.6		411
1996 AU	1997 05 04.53533	13 39 46.43	+15 49 18.5		411
1996 AU	1997 05 04.54043	13 39 46.17	+15 49 18.7		411
1997 EE	1997 04 10.54429	10 52 58.55	+12 17 39.7		411
1997 EE	1997 04 10.55280	10 52 58.40	+12 17 39.3		411
1997 EF	1997 04 10.51542	11 01 31.67	+13 07 37.4		411
1997 EF	1997 04 10.52394	11 01 31.54	+13 07 36.8		411
1997 EG	1997 04 10.55694	10 56 30.74	+08 42 29.5		411
1997 EG	1997 04 10.56541	10 56 30.47	+08 42 28.4		411
1997 EJ	1997 04 10.58368	11 04 51.26	+09 19 50.5		411
1997 EJ	1997 04 10.59216	11 04 50.97	+09 19 50.3		411
1997 EK	1997 04 10.53002	11 02 15.94	+11 10 35.5		411
1997 EK	1997 04 10.54027	11 02 15.63	+11 10 34.0		411
1997 EL	1997 04 10.59414	11 14 06.50	+12 06 27.4		411
1997 EL	1997 04 10.60090	11 14 06.28	+12 06 28.7		411
1997 EN_2	1997 04 10.62766	12 07 11.14	+05 41 19.0		411
1997 EN_2	1997 04 10.64216	12 07 10.66	+05 41 24.7		411
1997 ES_2	1997 04 10.62220	11 58 52.68	+05 17 48.7		411
1997 ES_2	1997 04 10.63674	11 58 51.97	+05 17 54.3		411
1997 EU_2	1997 04 10.62401	12 01 19.07	+05 45 51.7		411
1997 EU_2	1997 04 10.63855	12 01 18.47	+05 45 54.4		411
1997 EZ_2	1997 04 10.62040	11 57 56.68	+05 39 29.4		411
1997 EZ_2	1997 04 10.63494	11 57 55.83	+05 39 31.6		411
1997 EB_6	1997 04 10.54429	10 52 25.21	+12 24 12.5		411
1997 EB_6	1997 04 10.55280	10 52 24.88	+12 24 11.6		411
(6664)	1997 05 04.57221	13 35 55.04	−08 56 59.6		411
(6664)	1997 05 04.57763	13 35 54.83	−08 56 59.1		411

413 Siding Spring

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Observer K. S. Russell

Measurer O. Hernius
1.2-m U.K. Schmidt

1976 GG_3		1993 04 16.61791	12 47 20.22	+05 20 24.3	16.8	413
1993 FQ_8		1993 04 16.52653	12 03 24.00	+05 27 58.2	18.1	413
1993 HK_8	*	1993 04 16.57641	12 39 10.27	−10 18 58.9	16.8	413
1993 HK_8		1993 04 18.39929	12 37 28.79	−10 10 57.8	16.8	413
1995 SD_5		1993 04 18.52310	11 42 07.68	−03 56 48.6	17.5 V	413
1995 SD_5		1993 04 18.56824	11 42 06.10	−03 56 45.3		413
1995 UY_1		1993 04 18.39929	12 31 04.27	−10 04 14.1	20.6	413
1995 UH_6		1993 04 18.43884	12 54 20.73	−02 46 48.8	17.0	413
1997 BG_1		1993 04 16.61791	12 52 11.52	+07 03 39.7	16.8	413

423 North Ryde
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[mcandrew@trinity.nsw.edu.au]
0.2-m $f/4$ hyperbolic astrograph + CCD
GSC

1991 XU	1997 04 29.52426	14 39 17.18	−34 54 07.3	16.1 V	423
1991 XU	1997 04 29.54046	14 39 16.20	−34 54 01.6	16.4 V	423
1991 XU	1997 04 29.58000	14 39 13.79	−34 53 50.2	16.1 V	423
1991 XU	1997 04 29.58649	14 39 13.37	−34 53 48.0	16.4 V	423
1991 XU	1997 04 29.61095	14 39 11.83	−34 53 39.5	16.7 V	423
1991 XU	1997 04 29.61734	14 39 11.46	−34 53 37.5	16.5 V	423
1991 XU	1997 04 30.54206	14 38 17.33	−34 48 35.9	16.3 V	423
1991 XU	1997 04 30.55073	14 38 16.78	−34 48 33.2	16.5 V	423
1991 XU	1997 04 30.55747	14 38 16.34	−34 48 30.9	16.5 V	423
1991 XU	1997 04 30.57106	14 38 15.52	−34 48 26.4	16.6 V	423
1991 XU	1997 04 30.57738	14 38 15.14	−34 48 24.4	16.7 V	423
1991 XU	1997 05 01.54369	14 37 18.27	−34 42 53.8	16.2 V	423
1991 XU	1997 05 01.56257	14 37 17.12	−34 42 46.8	16.5 V	423
1991 XU	1997 05 01.58095	14 37 16.02	−34 42 40.7	16.3 V	423
1991 XU	1997 05 01.59704	14 37 15.02	−34 42 34.7	15.9 V	423
1991 XU	1997 05 01.60468	14 37 14.54	−34 42 32.5	16.1 V	423
1993 GO	1997 04 26.59431	14 27 25.09	−04 08 34.4	15.7 V	423
1993 GO	1997 04 27.47025	14 26 28.23	−04 12 03.0	16.1 V	423
1993 GO	1997 04 27.52383	14 26 24.61	−04 12 16.1	15.7 V	423
1993 GO	1997 04 27.56747	14 26 21.66	−04 12 26.8	15.7 V	423
1993 GO	1997 04 27.57750	14 26 20.94	−04 12 28.9	15.7 V	423
1993 GO	1997 04 28.50728	14 25 20.41	−04 16 19.1	15.9 V	423
1993 GO	1997 04 28.58715	14 25 14.96	−04 16 38.7	16.0 V	423
1993 GO	1997 04 28.61377	14 25 13.12	−04 16 45.3	15.9 V	423
(188)	1997 04 06.62271	13 24 28.78	−20 50 18.8	13.9 V	423
(188)	1997 04 06.63285	13 24 28.24	−20 50 14.8	13.7 V	423
(188)	1997 04 08.49975	13 22 57.54	−20 37 46.4	13.7 V	423
(188)	1997 04 08.52431	13 22 56.29	−20 37 35.9	13.9 V	423
(188)	1997 04 08.53403	13 22 55.81	−20 37 33.1	13.6 V	423
(188)	1997 04 08.55822	13 22 54.57	−20 37 22.6	14.0 V	423
(188)	1997 04 08.56788	13 22 54.09	−20 37 19.2	13.8 V	423
(188)	1997 04 08.58995	13 22 52.98	−20 37 10.1	13.7 V	423
(733)	1997 04 13.51628	12 46 36.77	−26 19 11.0	14.2 V	423
(733)	1997 04 13.52138	12 46 36.48	−26 19 10.9	14.5 V	423
(733)	1997 04 13.52698	12 46 36.14	−26 19 10.0	14.5 V	423
(733)	1997 04 13.54323	12 46 35.24	−26 19 09.0	14.5 V	423
(733)	1997 04 13.55921	12 46 34.35	−26 19 07.4	14.4 V	423
(733)	1997 04 17.51707	12 43 01.64	−26 12 38.3	14.3 V	423
(733)	1997 04 17.53810	12 43 00.50	−26 12 35.9	14.3 V	423
(733)	1997 04 17.60272	12 42 57.00	−26 12 28.5	14.5 V	423
(733)	1997 04 17.60766	12 42 56.78	−26 12 27.9	14.6 V	423
(3731)	1997 05 06.57117	16 19 09.29	−34 23 18.0	16.2 V	423
(3731)	1997 05 06.58748	16 19 08.51	−34 23 12.6	16.7 V	423
(3731)	1997 05 06.60802	16 19 07.50	−34 23 06.8	16.5 V	423
(3731)	1997 05 06.61525	16 19 07.11	−34 23 04.2	17.0 V	423
(3731)	1997 05 13.46921	16 13 24.59	−33 44 17.0	16.7 V	423
(3731)	1997 05 13.49889	16 13 23.01	−33 44 06.3	16.3 V	423
(3731)	1997 05 13.63642	16 13 15.62	−33 43 15.5	16.2 V	423
(3731)	1997 05 13.64455	16 13 15.17	−33 43 12.5	16.3 V	423
(3731)	1997 05 13.65174	16 13 14.80	−33 43 10.2	16.3 V	423

424 Macquarie, near Canberra
J. B. Child, 7 DeGillern Place, Macquarie, ACT 2614, Australia
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Observer J. B. Child
Measurers J. B. Child, J. E. Rogers
0.32-m $f/4.8$ reflector + CCD

(627)	1997 05 01.50637	15 29 24.76	−08 49 20.0	14.9 V	424
(627)	1997 05 01.52859	15 29 23.73	−08 49 14.4	14.8 V	424
(627)	1997 05 01.53970	15 29 23.21	−08 49 12.1	14.7 V	424
(804)	1997 04 25.52512	14 33 50.47	−35 19 26.5	12.8 V	424
(804)	1997 04 25.52801	14 33 50.29	−35 19 26.7	12.8 V	424
(804)	1997 04 25.53356	14 33 49.94	−35 19 26.8	12.7 V	424
(804)	1997 04 26.45394	14 32 51.78	−35 19 47.1	12.7 V	424
(804)	1997 04 26.46227	14 32 51.28	−35 19 47.3	12.8 V	424
(804)	1997 04 26.47894	14 32 50.19	−35 19 47.6	12.8 V	424
(804)	1997 04 26.48449	14 32 49.84	−35 19 48.0	12.8 V	424
(804)	1997 04 26.51541	14 32 47.82	−35 19 48.6	12.9 V	424
(804)	1997 05 01.44109	14 27 31.11	−35 18 29.5	12.6 V	424
(804)	1997 05 01.47442	14 27 28.91	−35 18 28.5	12.7 V	424
(804)	1997 05 01.50081	14 27 27.16	−35 18 27.1	12.7 V	424

491 Yebes
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Observers J. F. Lahulla, J. García
0.40-m $f/5$ astrograph + CCD
GSC

1989 EX	1997 04 15.01131	11 01 38.38	+19 48 12.9		491
1989 EX	1997 04 15.01850	11 01 38.56	+19 48 18.4		491
1989 EX	1997 04 15.02564	11 01 38.42	+19 48 17.0		491
(166)	1997 03 04.09287	09 15 48.01	+20 59 59.3	14.2 R	491
(166)	1997 03 04.11475	09 15 47.20	+21 00 05.8	14.2 R	491
(166)	1997 03 11.00936	09 12 00.28	+21 33 22.5		491
(166)	1997 03 11.01582	09 12 00.10	+21 33 24.3		491
(166)	1997 03 11.04615	09 11 59.20	+21 33 31.7		491
(166)	1997 03 11.07024	09 11 58.51	+21 33 37.9		491
(284)	1997 03 04.08551	09 00 35.72	+04 25 39.2	13.7 R	491

(284)	1997 03 04.10366	09 00 34.90	+04 25 46.1	13.4 R		491
(289)	1997 03 04.03355	08 48 05.78	+11 28 18.5	14.2 R		491
(289)	1997 03 04.05758	08 48 05.05	+11 28 25.1	14.4 R		491
(394)	1997 03 04.04508	08 49 28.64	+25 56 31.8	15.0 R		491
(394)	1997 03 04.07500	08 49 27.52	+25 56 33.5	14.7 R		491
(484)	1997 03 03.96927	08 44 39.39	+22 01 31.7	14.1 R		491
(484)	1997 03 04.01419	08 44 37.89	+22 01 44.4	13.8 R		491
(525)	1997 03 11.04080	09 10 25.99	+07 39 35.3			491
(525)	1997 03 11.05806	09 10 25.58	+07 39 42.4			491
(599)	1997 03 12.11681	09 56 38.15	+35 24 20.0			491
(599)	1997 03 12.14870	09 56 36.59	+35 24 17.8			491
(862)	1997 03 03.96367	08 41 07.86	+10 34 35.8	14.1 R		491
(862)	1997 03 04.00594	08 41 06.33	+10 34 34.6	14.1 R		491
(1423)	1997 03 17.96610	13 05 10.90	−03 31 13.9			491
(1423)	1997 03 18.00348	13 05 09.20	−03 31 05.0			491
(1533)	1997 03 17.99123	13 00 37.10	+02 26 36.1			491
(1613)	1997 03 11.05296	09 14 17.11	+13 45 04.7			491
(1613)	1997 03 11.08393	09 14 16.23	+13 45 01.9			491
(1659)	1997 03 04.03992	08 45 18.93	+26 33 47.0	14.6 R		491
(1659)	1997 03 04.06708	08 45 17.81	+26 33 41.0	15.1 R		491
(2204)	1997 02 12.84154	06 34 29.69	−02 02 25.8			491
(2204)	1997 02 12.85188	06 34 30.22	−02 02 06.3			491
(2204)	1997 02 12.89471	06 34 31.88	−02 00 51.4			491
(2204)	1997 02 12.94453	06 34 34.30	−01 59 26.6			491
(2204)	1997 03 03.95558	06 55 16.71	+06 15 05.6	14.3 R		491
(2204)	1997 03 03.98406	06 55 18.98	+06 15 43.5	13.9 R		491
(2335)	1997 03 04.13029	14 25 43.69	+01 53 08.3	16.7 R		491
(2335)	1997 03 04.13887	14 25 43.05	+01 53 03.1	16.5 R		491
(3176)	1997 03 17.95235	13 02 34.63	+16 02 41.1			491
(3684)	1997 03 12.10103	09 53 15.01	+24 59 56.4			491
(6018)	1997 03 18.01436	13 07 12.01	+02 10 37.2			491
(6018)	1997 03 18.01980	13 07 11.82	+02 10 40.5			491
(6018)	1997 03 18.07036	13 07 09.74	+02 11 08.5			491
(6764)	1997 03 31.96514	11 49 06.36	+04 59 06.7			491
(6764)	1997 04 01.01616	11 49 03.18	+04 59 11.4			491
(6764)	1997 04 14.95786	11 36 30.05	+05 09 18.5			491
(6764)	1997 04 14.97140	11 36 29.65	+05 09 16.1			491

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0.30-m f/5.2 Schmidt Cassegrain + CCD
GSC

1996 AU_1	1997 04 08.86672	13 32 35.64	−06 18 18.4	17.8 R		540
1996 AU_1	1997 04 08.87416	13 32 35.30	−06 18 16.3			540
1996 AU_1	1997 04 13.86964	13 28 52.05	−05 55 00.9	16.9 R		540
1996 AU_1	1997 04 13.87615	13 28 51.65	−05 54 59.1			540
1996 AU_1	1997 05 02.93867	13 15 33.94	−04 37 35.9	17.9 R		540
1996 AU_1	1997 05 02.94532	13 15 33.70	−04 37 34.7			540
1996 AU_1	1997 05 02.95436	13 15 33.36	−04 37 33.3			540
1996 AU_1	1997 05 03.85203	13 15 01.58	−04 34 41.8	17.6 R		540
1996 AU_1	1997 05 03.85869	13 15 01.31	−04 34 40.9			540
1996 AU_1	1997 05 03.86514	13 15 01.09	−04 34 39.7			540
1996 AU_1	1997 05 04.84584	13 14 27.05	−04 31 39.9	17.6 R		540
1996 AU_1	1997 05 04.85253	13 14 26.84	−04 31 37.6			540
1996 AU_1	1997 05 04.85909	13 14 26.60	−04 31 37.4			540
1997 EV_{32}	1997 04 13.85771	11 09 01.71	+08 36 16.8	17.5 R		540
1997 EV_{32}	1997 04 13.88953	11 09 01.02	+08 36 25.8		F	540
1997 EV_{32}	1997 05 02.91870	11 09 03.09	+09 18 25.9	17.6 R		540
1997 GJ_3	1997 04 13.86964	13 28 23.76	−05 58 21.6	17.8 R		540
1997 GJ_3	1997 04 13.87615	13 28 23.48	−05 58 19.7			540
1997 GJ_3	1997 05 02.86962	13 14 35.37	−04 31 27.1	18.6 R		540
1997 GJ_3	1997 05 02.88345	13 14 34.78	−04 31 24.0			540
1997 GJ_3	1997 05 10.92998	13 10 03.99	−04 05 19.2	18.5 R		540
1997 GJ_3	1997 05 10.95784	13 10 03.26	−04 05 15.4			540
1997 JY	* 1997 05 02.93867	13 15 29.11	−04 36 35.5	17.4 R		540
1997 JY	1997 05 02.94532	13 15 28.84	−04 36 34.5			540
1997 JY	1997 05 02.95436	13 15 28.43	−04 36 33.5			540
1997 JY	1997 05 03.85203	13 14 52.71	−04 34 44.5	17.3 R		540
1997 JY	1997 05 03.85869	13 14 52.38	−04 34 43.8			540
1997 JY	1997 05 03.86514	13 14 52.18	−04 34 42.9			540
1997 JY	1997 05 04.84584	13 14 14.38	−04 32 54.1	17.2 R		540
1997 JY	1997 05 04.85253	13 14 14.11	−04 32 53.4			540
1997 JY	1997 05 04.85909	13 14 13.87	−04 32 52.2			540
1997 JY	1997 05 10.91465	13 10 55.94	−04 25 35.1	17.7 R		540
1997 JY	1997 05 10.94289	13 10 55.13	−04 25 34.5			540
1997 JY	1997 05 10.97299	13 10 54.22	−04 25 33.2			540
1997 JY	1997 05 11.84944	13 10 31.31	−04 25 05.7	17.5 R		540
1997 JY	1997 05 11.85659	13 10 31.08	−04 25 05.1			540
1997 JY	1997 05 11.86317	13 10 30.91	−04 25 05.4			540
1997 JC_{10}	* 1997 05 10.91465	13 11 20.79	−04 24 00.4	18.0 R		540
1997 JC_{10}	1997 05 10.94289	13 11 19.99	−04 23 53.7			540
1997 JC_{10}	1997 05 10.97299	13 11 19.18	−04 23 46.7			540
1997 JC_{10}	1997 05 11.84944	13 10 56.83	−04 20 22.9	17.9 R		540
1997 JC_{10}	1997 05 11.85659	13 10 56.69	−04 20 21.2			540
1997 JC_{10}	1997 05 11.86317	13 10 56.46	−04 20 20.2			540
(3939)	1997 05 10.91465	13 11 15.55	−04 26 50.4	16.6 R		540
(3939)	1997 05 10.94289	13 11 14.17	−04 26 55.4			540
(3939)	1997 05 10.97299	13 11 12.80	−04 27 01.7			540
(3939)	1997 05 11.86317	13 10 32.95	−04 29 56.3	16.3 R		540
(3957)	1997 04 08.86672	13 31 40.87	−06 29 50.9	17.2 R		540
(3957)	1997 04 08.87416	13 31 40.53	−06 29 48.4			540
(3957)	1997 04 13.86964	13 28 00.19	−06 00 23.3	17.7 R		540
(3957)	1997 04 13.87615	13 27 59.95	−06 00 20.6			540

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

1997 ET_7	1997 04 12.85692	10 49 32.37	+04 23 12.6	19.2 V		552
1997 ET_7	1997 04 12.88502	10 49 31.36	+04 23 10.0			552
1997 GB_{38}	* 1997 04 07.84263	10 57 05.88	+08 39 53.8	18.8 V		552
1997 GB_{38}	1997 04 07.88185	10 57 05.02	+08 40 01.8			552

1997 GB_{38}		1997 04 12.86523	10 55 48.42	+08 54 39.8	18.7	V	552
1997 GB_{38}		1997 04 12.90547	10 55 47.93	+08 54 46.2			552
1997 JQ	*	1997 05 01.84532	13 41 02.86	+00 16 45.5	18.6	V	552
1997 JQ		1997 05 01.86839	13 41 01.62	+00 16 46.7			552
1997 JQ		1997 05 03.82921	13 39 21.92	+00 19 02.1	18.9	V	552
1997 JQ		1997 05 03.85376	13 39 20.64	+00 19 03.8			552
1997 JQ		1997 05 10.83338	13 33 53.79	+00 21 18.8	18.5	V	552
1997 JQ		1997 05 10.86247	13 33 52.51	+00 21 19.2			552
1997 JR	*	1997 05 01.84825	13 43 10.29	+00 27 05.2	18.5	V	552
1997 JR		1997 05 01.87139	13 43 08.80	+00 27 06.1			552
1997 JR		1997 05 03.83549	13 41 10.69	+00 27 59.7	18.0	V	552
1997 JR		1997 05 03.85808	13 41 09.30	+00 27 58.9			552
1997 JR		1997 05 10.83719	13 34 34.26	+00 26 10.4	18.2	V	552
1997 JR		1997 05 10.86853	13 34 32.54	+00 26 08.8			552
1997 JS	*	1997 05 01.88676	13 37 10.18	+00 32 59.3	18.5	V	552
1997 JS		1997 05 01.91331	13 37 08.71	+00 33 02.4			552
1997 JS		1997 05 01.95274	13 37 06.59	+00 33 05.0			552
1997 JS		1997 05 03.87322	13 35 27.08	+00 35 30.6	19.0	V	552
1997 JS		1997 05 03.89179	13 35 26.25	+00 35 30.6			552
1997 JS		1997 05 10.88627	13 29 55.75	+00 39 16.5	19.5	V	552
1997 JS		1997 05 10.90603	13 29 54.86	+00 39 16.2			552
1997 JT	*	1997 05 01.88676	13 37 58.12	+00 32 29.1	19.0	V	552
1997 JT		1997 05 01.91331	13 37 56.72	+00 32 30.6			552
1997 JT		1997 05 01.95274	13 37 54.71	+00 32 36.1			552
1997 JT		1997 05 03.87632	13 36 23.43	+00 35 58.4	19.5	V	552
1997 JT		1997 05 03.90104	13 36 22.27	+00 36 01.5			552
1997 JT		1997 05 10.89038	13 31 31.59	+00 41 19.7	19.4	V	552
1997 JT		1997 05 10.91061	13 31 30.68	+00 41 18.1			552
1997 JU	*	1997 05 01.88977	13 38 19.96	+00 37 10.8	18.5	V	552
1997 JU		1997 05 01.91701	13 38 18.92	+00 37 23.6			552
1997 JU		1997 05 01.94860	13 38 17.66	+00 37 41.6			552
1997 JU		1997 05 03.92281	13 37 07.31	+00 53 26.2	18.5	V	552
1997 JU		1997 05 03.94574	13 37 06.57	+00 53 37.8			552
1997 JU		1997 05 10.92832	13 33 28.86	+01 41 54.6	19.0	V	552
1997 JU		1997 05 10.94253	13 33 28.53	+01 42 00.2			552
1997 JV	*	1997 05 01.88977	13 38 36.12	+00 32 21.4	19.5	V	552
1997 JV		1997 05 01.91701	13 38 34.75	+00 32 22.3			552
1997 JV		1997 05 03.87965	13 36 54.35	+00 31 25.3	19.5	V	552
1997 JV		1997 05 03.90509	13 36 53.07	+00 31 26.3			552
1997 JV		1997 05 10.82887	13 31 30.92	+00 23 21.6	19.0	V	552
1997 JV		1997 05 10.85787	13 31 29.65	+00 23 17.2			552
1997 JW	*	1997 05 01.88977	13 38 54.95	+00 35 03.6	19.7	V	552
1997 JW		1997 05 01.91701	13 38 53.78	+00 35 25.8			552
1997 JW		1997 05 01.94860	13 38 52.28	+00 35 48.6			552
1997 JW		1997 05 03.92617	13 37 28.31	+00 59 46.0	20.0	V	552
1997 JW		1997 05 03.95095	13 37 27.04	+01 00 03.2			552
1997 JX	*	1997 05 01.89304	13 40 39.97	+00 41 56.2	18.5	V	552
1997 JX		1997 05 01.92003	13 40 38.77	+00 41 56.6			552
1997 JX		1997 05 03.88530	13 39 15.07	+00 43 26.3	18.5	V	552
1997 JX		1997 05 03.91179	13 39 13.97	+00 43 28.8			552
1997 JX		1997 05 10.84130	13 34 41.62	+00 44 36.0	19.0	V	552
1997 JB_1	*	1997 05 01.88676	13 37 34.26	+00 39 47.6	19.5	V	552
1997 JB_1		1997 05 01.91331	13 37 32.86	+00 39 54.5			552
1997 JB_1		1997 05 01.95274	13 37 30.65	+00 40 04.7			552
1997 JB_1		1997 05 03.91788	13 35 41.64	+00 47 01.6	20.0	V	552
1997 JB_1		1997 05 03.94020	13 35 40.78	+00 47 09.4			552
1997 JC_1	*	1997 05 01.88977	13 39 22.86	+00 36 49.2	18.0	V	552
1997 JC_1		1997 05 01.94860	13 39 19.14	+00 36 30.8			552
1997 JC_1		1997 05 03.82414	13 37 27.12	+00 26 29.8	18.5	V	552
1997 JC_1		1997 05 03.84634	13 37 25.71	+00 26 21.6			552
1997 JC_1		1997 05 03.87965	13 37 23.65	+00 26 10.6	18.5	V	552
1997 JC_1		1997 05 03.90509	13 37 22.12	+00 26 01.4			552
1997 JC_1		1997 05 10.82238	13 31 10.52	−00 16 37.1	18.0	V	552
1997 JC_1		1997 05 10.84867	13 31 09.20	−00 16 47.9			552
1997 JD_1	*	1997 05 01.90041	13 40 59.91	+00 37 15.5	19.2	V	552
1997 JD_1		1997 05 01.92315	13 40 58.76	+00 37 31.9			552
1997 JD_1		1997 05 03.93025	13 39 23.45	+01 00 25.3	19.2	V	552
1997 JD_1		1997 05 03.95443	13 39 22.17	+01 00 45.5			552
1997 JD_1		1997 05 10.93325	13 34 20.96	+02 12 49.1	19.5	V	552
1997 JD_1		1997 05 10.94810	13 34 20.41	+02 12 57.8			552
1997 JX_9	*	1997 05 03.92617	13 37 44.41	+01 07 20.4	19.0	V	552
1997 JX_9		1997 05 03.95095	13 37 43.34	+01 07 21.3			552
1997 JX_9		1997 05 10.89477	13 33 24.87	+01 13 42.5	19.5	V	552
1997 JX_9		1997 05 10.91851	13 33 24.04	+01 13 42.5			552

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

1991 CS		1997 05 03.02218	11 47 02.02	+63 19 23.7			557
1991 CS		1997 05 03.03612	11 47 02.63	+63 19 15.8			557
1991 CS		1997 05 03.03954	11 47 02.68	+63 19 14.0			557
1991 UQ		1997 05 03.85962	13 13 19.73	−08 54 23.3			557
1991 UQ		1997 05 03.87788	13 13 18.76	−08 54 19.5			557
1991 UQ		1997 05 03.88093	13 13 18.61	−08 54 19.0			557
1991 UQ		1997 05 03.88690	13 13 18.30	−08 54 17.4			557
1997 BR		1997 05 14.99119	09 05 13.69	+73 58 13.0			557
1997 BR		1997 05 14.99402	09 05 14.08	+73 58 15.0			557
1997 BR		1997 05 15.00772	09 05 15.18	+73 58 23.8			557
1997 BR		1997 05 15.00990	09 05 15.45	+73 58 24.6	18.9	V	557
1997 BR		1997 05 18.02237	09 08 44.47	+74 35 51.3		W	557
1997 BR		1997 05 18.02589	09 08 44.67	+74 35 53.1			557
1997 EL_{11}		1997 05 01.95652	11 52 51.37	+17 53 07.3			557
1997 EL_{11}		1997 05 01.97289	11 52 50.94	+17 53 01.9			557
1997 EL_{11}		1997 05 01.97478	11 52 50.90	+17 53 01.7	18.2	V	557
1997 GC		1997 04 26.93179	13 59 10.24	−16 24 21.2		r	557
1997 GC		1997 04 26.93840	13 59 09.86	−16 24 21.0		r	557
1997 GC		1997 04 26.94479	13 59 09.52	−16 24 20.1		r	557
1997 GC		1997 05 04.91745	13 52 29.44	−16 12 07.1	18.3	V	557
1997 GC		1997 05 04.92347	13 52 29.14	−16 12 06.2			557
1997 GB_2		1997 05 01.86597	11 45 03.91	−05 54 26.0	20.0	V	557
1997 GB_2		1997 05 01.89135	11 45 03.77	−05 54 48.0	20.1	V r	557
1997 GH_3		1997 04 23.88823	09 47 19.74	+15 39 56.5			557

1997 GH_3	1997 04 23.89159	09 47 21.02	+15 39 52.1			557
1997 GH_3	1997 04 23.89559	09 47 22.54	+15 39 46.5			557
1997 GH_3	1997 04 23.90020	09 47 24.30	+15 39 40.5			557
1997 GH_3	1997 05 01.85229	10 36 01.04	+12 25 55.6			557
1997 GH_3	1997 05 01.88487	10 36 11.99	+12 25 05.1			557
1997 GH_3	1997 05 01.91444	10 36 21.97	+12 24 19.1			557
1997 GH_3	1997 05 01.96127	10 36 37.77	+12 23 06.1	17.0 V		557
1997 GH_3	1997 05 03.84286	10 47 10.34	+11 34 36.0			557
1997 GH_3	1997 05 03.85014	10 47 12.68	+11 34 24.5			557
1997 GH_3	1997 05 03.92956	10 47 38.42	+11 32 20.5			557
1997 GH_3	1997 05 03.93913	10 47 41.55	+11 32 05.5			557
1997 GH_3	1997 05 03.95272	10 47 45.94	+11 31 43.7	16.7 V		557
1997 GL_3	1997 04 26.91267	13 13 07.16	−00 05 05.7			557
1997 GL_3	1997 04 26.91608	13 13 06.99	−00 05 05.3			557
1997 GL_3	1997 04 26.91900	13 13 06.84	−00 05 04.4			557
1997 GL_3	1997 05 04.86865	13 09 49.00	+00 05 14.2			557
1997 GL_3	1997 05 04.89780	13 09 48.54	+00 05 13.1	19.4 V		557
1997 GL_3	1997 05 05.96569	13 09 38.79	+00 04 28.2	19.4 V		557
1997 GL_3	1997 05 05.96902	13 09 38.76	+00 04 27.8			557
1997 GL_3	1997 05 05.97238	13 09 38.72	+00 04 27.9			557
1997 GX_{25}	1997 04 26.85815	13 23 57.93	−07 28 27.2	18.8 V	r	557
1997 GX_{25}	1997 04 26.87605	13 23 56.18	−07 28 41.4		r	557
1997 GX_{25}	1997 05 03.85190	13 13 45.44	−08 58 51.0			557
1997 GX_{25}	1997 05 03.85713	13 13 45.06	−08 58 54.8			557
1997 GX_{25}	1997 05 03.85962	13 13 44.80	−08 58 56.7			557
1997 GX_{25}	1997 05 10.85556	13 05 21.02	−10 26 17.4			557
1997 GO_{27}	1997 04 26.89666	14 18 43.49	+11 57 30.4	18.9 V		557
1997 GO_{27}	1997 04 26.90972	14 18 42.65	+11 57 56.3			557
1997 GC_{32}	1997 05 02.06688	17 59 59.52	−04 14 23.2			557
1997 GC_{32}	1997 05 02.06942	18 00 00.31	−04 14 17.3			557
1997 GC_{32}	1997 05 02.07071	18 00 00.67	−04 14 14.1			557
1997 GC_{32}	1997 05 10.02185	18 53 27.02	+03 22 34.4			557
1997 GC_{32}	1997 05 10.02288	18 53 27.56	+03 22 39.3			557
1997 GC_{32}	1997 05 10.02392	18 53 28.09	+03 22 43.8			557
1997 GC_{32}	1997 05 17.03690	20 11 01.00	+13 55 43.6			557
1997 GC_{32}	1997 05 17.03864	20 11 02.40	+13 55 54.3			557
1997 GC_{32}	1997 05 17.04048	20 11 03.92	+13 56 05.6	16.8 V		557
1997 GC_{32}	1997 05 18.04434	20 25 19.34	+15 40 04.2			557
1997 GC_{32}	1997 05 18.04550	20 25 20.32	+15 40 12.0	16.8 V		557
1997 GD_{32}	1997 04 26.92168	15 56 41.16	+09 27 34.5	16.4 V		557
1997 GD_{32}	1997 04 26.92340	15 56 42.75	+09 27 40.7			557
1997 GD_{32}	1997 04 26.92609	15 56 45.23	+09 27 50.0			557
1997 GD_{32}	1997 04 26.92781	15 56 46.81	+09 27 56.1			557
1997 GD_{32}	1997 05 02.02307	18 43 31.56	+15 59 50.8			557
1997 GD_{32}	1997 05 02.02382	18 43 34.08	+15 59 53.4			557
1997 GD_{32}	1997 05 02.02759	18 43 46.78	+16 00 06.7			557
1997 GD_{32}	1997 05 03.06443	19 46 38.26	+16 25 20.5			557
1997 GD_{32}	1997 05 03.06591	19 46 43.72	+16 25 19.2			557
1997 GD_{32}	1997 05 04.06801	20 49 15.47	+15 40 45.3			557
1997 GD_{32}	1997 05 04.06872	20 49 17.96	+15 40 42.0			557
1997 GD_{32}	1997 05 04.07163	20 49 28.36	+15 40 29.4	17.5 V		557
1997 GD_{32}	1997 05 05.07927	21 45 33.41	+14 03 00.5			557
1997 GD_{32}	1997 05 05.08151	21 45 40.01	+14 02 45.7			557
1997 JC	1997 05 02.94532	14 34 59.03	−13 05 11.3			557
1997 JC	1997 05 02.95167	14 34 58.21	−13 05 14.3			557
1997 JC	1997 05 02.95459	14 34 57.83	−13 05 16.8	19.1 V		557
1997 JD	* 1997 05 01.86597	11 44 58.48	−05 54 39.4	18.7 V		557
1997 JD	1997 05 01.87178	11 44 58.44	−05 54 37.8			557
1997 JD	1997 05 01.87484	11 44 58.39	−05 54 37.2			557
1997 JD	1997 05 01.89135	11 44 58.18	−05 54 31.6		r	557
1997 JD	1997 05 02.85865	11 44 48.37	−05 49 35.2			557
1997 JD	1997 05 02.86505	11 44 48.34	−05 49 32.8			557
1997 JD	1997 05 02.86807	11 44 48.33	−05 49 31.5	18.5 V		557
1997 JD	1997 05 03.81796	11 44 39.87	−05 44 47.7		W	557
1997 JD	1997 05 03.82855	11 44 39.70	−05 44 44.4			557
1997 JD	1997 05 03.83330	11 44 39.67	−05 44 42.9			557
1997 JO	* 1997 05 02.85865	11 44 46.08	−05 48 38.3	16.9 V		557
1997 JO	1997 05 02.86505	11 44 45.97	−05 48 39.5			557
1997 JO	1997 05 02.86807	11 44 45.93	−05 48 39.5			557
1997 JO	1997 05 03.81572	11 44 33.21	−05 51 01.8			557
1997 JO	1997 05 03.82095	11 44 33.13	−05 51 03.1			557
1997 JO	1997 05 03.82339	11 44 33.09	−05 51 02.8	17.0 V		557
1997 JO	1997 05 04.81782	11 44 21.81	−05 53 38.9			557
1997 JO	1997 05 04.85079	11 44 21.40	−05 53 44.2	17.2 V		557
1997 JO	1997 05 10.82992	11 44 01.34	−06 12 13.3			557
1997 JO	1997 05 10.84037	11 44 01.36	−06 12 15.3			557
1997 JO	1997 05 10.84579	11 44 01.37	−06 12 16.6			557
(4341)	1997 05 01.98303	18 03 37.80	+09 28 15.8			557
(4341)	1997 05 01.99705	18 03 34.19	+09 28 01.8			557
(4341)	1997 05 02.03190	18 03 25.19	+09 27 26.8			557
(4341)	1997 05 02.04152	18 03 22.70	+09 27 17.3			557
(4341)	1997 05 02.08308	18 03 11.92	+09 26 35.5			557
(4341)	1997 05 02.10068	18 03 07.35	+09 26 17.6	16.3 V		557
(4341)	1997 05 02.99337	17 59 22.27	+09 11 07.3			557
(4341)	1997 05 03.01060	17 59 17.85	+09 10 49.8			557
(4341)	1997 05 03.02826	17 59 13.30	+09 10 31.7			557
(4341)	1997 05 03.06956	17 59 02.65	+09 09 49.3			557
(4341)	1997 05 03.07924	17 59 00.15	+09 09 39.4	16.0 V		557
(4341)	1997 05 04.95147	17 51 10.93	+08 36 52.6	16.0 V		557
(4341)	1997 05 04.99861	17 50 58.95	+08 36 02.7			557
(4341)	1997 05 05.02045	17 50 53.39	+08 35 39.5			557
(4341)	1997 05 05.06634	17 50 41.68	+08 34 50.7			557
(4341)	1997 05 05.98207	17 46 54.43	+08 18 23.8	15.9 V		557
(4341)	1997 05 06.01965	17 46 44.93	+08 17 43.2			557
(4341)	1997 05 06.04964	17 46 37.33	+08 17 10.7			557
(4341)	1997 05 06.09648	17 46 25.47	+08 16 19.9			557
(4341)	1997 05 09.93330	17 30 52.20	+07 04 41.7	15.9 V		557
(4341)	1997 05 09.98763	17 30 38.99	+07 03 39.5			557
(4341)	1997 05 10.01560	17 30 32.18	+07 03 07.4			557
(4341)	1997 05 10.06301	17 30 20.62	+07 02 12.8			557
(4341)	1997 05 10.87156	17 27 09.80	+06 46 37.3			557
(4341)	1997 05 10.93200	17 26 55.36	+06 45 27.6			557
(4341)	1997 05 10.99084	17 26 41.23	+06 44 19.5			557
(4341)	1997 05 11.06956	17 26 22.27	+06 42 48.1			557

(4341)	1997 05 14.91181	17 11 44.13	+05 27 04.3		557
(4341)	1997 05 14.95933	17 11 33.39	+05 26 07.8		557
(4341)	1997 05 14.98162	17 11 28.35	+05 25 41.0		557
(4341)	1997 05 15.02086	17 11 19.46	+05 24 54.1		557
(4341)	1997 05 15.04420	17 11 14.16	+05 24 26.2	16.3 V	557
(4341)	1997 05 16.86918	17 04 38.09	+04 47 49.4		557
(4341)	1997 05 16.91821	17 04 27.43	+04 46 50.2		557
(4341)	1997 05 16.97359	17 04 15.36	+04 45 43.5		557
(4341)	1997 05 17.02291	17 04 04.61	+04 44 43.9		557
(4341)	1997 05 17.06350	17 03 55.76	+04 43 54.9	16.0 V	557
(5332)	1997 05 03.91227	16 54 35.84	+14 22 07.8		557
(5332)	1997 05 03.91674	16 54 35.63	+14 22 09.9		557
(6050)	1997 05 04.98341	15 08 21.01	−10 39 58.5		557
(6050)	1997 05 04.98736	15 08 20.71	−10 39 57.6		557
(6050)	1997 05 04.99065	15 08 20.53	−10 39 56.5		557

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0.40-m $f/3.5$ reflector + CCD

GSC

1997 GL_1	1997 04 09.85528	11 19 56.95	+02 39 49.8	16.8 V	560
1997 GL_1	1997 04 09.86305	11 19 56.74	+02 39 53.2		560
1997 GL_1	1997 04 09.87658	11 19 56.32	+02 39 59.2		560
1997 GL_1	1997 04 11.87837	11 19 01.01	+02 52 07.0	16.8 V	560
1997 GL_1	1997 04 11.88924	11 19 00.68	+02 52 11.6		560
1997 GL_1	1997 04 11.89740	11 19 00.41	+02 52 16.1		560
1997 GL_1	1997 04 13.88131	11 18 09.91	+03 03 48.0	17.0 V	560
1997 GL_1	1997 04 13.88893	11 18 09.77	+03 03 50.9		560
1997 GL_1	1997 04 13.89662	11 18 09.60	+03 03 52.3		560
1997 GL_1	1997 04 25.86668	11 14 41.60	+04 02 06.8	17.4 V	560
1997 GL_1	1997 04 25.87483	11 14 41.45	+04 02 09.5		560
1997 GL_1	1997 04 25.88405	11 14 41.37	+04 02 11.8		560
1997 GL_1	1997 04 25.89624	11 14 41.19	+04 02 14.1		560
2189 T-2	1997 04 09.85929	11 19 36.72	+02 26 20.4	17.3 V	560
2189 T-2	1997 04 09.86605	11 19 36.33	+02 26 23.6		560
2189 T-2	1997 04 09.88087	11 19 35.84	+02 26 25.8		560
(6206)	1997 04 13.88522	11 17 15.94	+03 08 08.3	17.1 V	560
(6206)	1997 04 13.89277	11 17 15.71	+03 08 09.3		560
(6206)	1997 04 13.90015	11 17 15.45	+03 08 11.4		560

566 Haleakala-NEAT/GEODSS

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

1-m $f/2.2$ Ritchey-Chrétien + CCD

1969 TM_1	1997 05 07.41283	13 48 02.51	−10 02 55.2	17.9 V	566
1969 TM_1	1997 05 07.42159	13 48 02.03	−10 02 54.1	18.1 V	566
1969 TM_1	1997 05 07.43482	13 48 01.27	−10 02 52.0	18.0 V	566
1981 EV_{18}	1997 05 07.41283	13 50 50.92	−10 22 53.9	19.9 V	566
1981 EV_{18}	1997 05 07.42159	13 50 50.58	−10 22 51.0	19.4 V	566
1981 EV_{18}	1997 05 07.43482	13 50 49.96	−10 22 47.5	19.2 V	566
1987 RX	1997 04 06.58308	12 44 23.15	−02 45 55.4	19.7 V	566
1987 RX	1997 04 06.59605	12 44 22.44	−02 45 51.7	19.2 V	566
1987 RX	1997 04 06.60649	12 44 21.99	−02 45 49.1	19.4 V	566
1987 WJ_1	1996 05 21.34498	14 31 26.56	−17 15 01.2	18.6 V	566
1987 WJ_1	1996 05 21.36738	14 31 25.50	−17 14 58.2	18.6 V	566
1987 WJ_1	1996 05 21.38689	14 31 24.66	−17 14 55.8	18.4 V	566
1988 VN_3	1997 05 07.51038	15 13 51.31	−17 41 37.0	18.5 V	566
1988 VN_3	1997 05 07.51878	15 13 50.79	−17 41 33.8	18.5 V	566
1988 VN_3	1997 05 07.52736	15 13 50.30	−17 41 30.7	18.6 V	566
1989 CE_5	1997 05 07.44107	14 29 01.03	−18 23 20.7	18.8 V	566
1989 CE_5	1997 05 07.44955	14 29 00.59	−18 23 18.6	18.8 V	566
1989 CE_5	1997 05 07.45798	14 29 00.08	−18 23 16.3	18.9 V	566
1991 GH_{10}	1996 09 10.33973	22 19 28.12	−22 25 01.5	17.7 V	566
1991 GH_{10}	1996 09 10.34831	22 19 27.65	−22 25 02.3	17.7 V	566
1991 GH_{10}	1996 09 10.35682	22 19 27.16	−22 25 03.5	17.8 V	566
1992 EA_7	1996 03 24.38300	13 59 07.17	−09 33 45.2	16.8 V	566
1992 EA_7	1996 03 24.40374	13 59 06.31	−09 33 45.2	17.0 V	566
1992 EA_7	1996 03 24.42418	13 59 05.45	−09 33 43.9	16.9 V	566
1993 FM_{10}	1997 05 04.50419	15 03 59.73	−14 52 48.3	19.7 V	566
1993 FM_{10}	1997 05 04.51259	15 03 59.23	−14 52 47.2	18.4 V	566
1993 FM_{10}	1997 05 04.52102	15 03 58.73	−14 52 46.3	18.9 V	566
1993 LU_1	1997 05 07.44305	14 29 34.77	−17 15 51.9	18.4 V	566
1993 LU_1	1997 05 07.45155	14 29 34.33	−17 15 47.2	18.2 V	566
1993 LU_1	1997 05 07.46010	14 29 33.84	−17 15 43.0	18.1 V	566
1995 UM_8	1997 05 07.44305	14 27 04.80	−16 16 16.4	19.8 V	566
1995 UM_8	1997 05 07.45155	14 27 04.18	−16 16 14.8	19.5 V	566
1995 UM_8	1997 05 07.46010	14 27 03.65	−16 16 13.7	19.4 V	566
1995 WE	1995 12 19.36791	03 31 31.07	+19 17 14.9	16.4 V	566
1995 WE	1995 12 19.38870	03 31 30.12	+19 17 17.4	16.5 V	566
1995 WE	1995 12 19.41328	03 31 28.99	+19 17 20.5	16.5 V	566
1997 BN_9	1997 04 06.57902	12 40 25.05	−06 36 31.6	18.8 V	566
1997 BN_9	1997 04 06.58746	12 40 24.67	−06 36 28.0	19.0 V	566
1997 BN_9	1997 04 06.60005	12 40 24.16	−06 36 22.5	18.5 V	566
1997 CV_1	1997 01 13.34922	07 37 12.62	+21 44 10.5	18.1 V	566
1997 CV_1	1997 01 13.35765	07 37 12.01	+21 44 12.6	18.1 V	566
1997 CV_1	1997 01 13.36607	07 37 11.38	+21 44 14.7	18.0 V	566
1997 EZ_2	1997 04 07.55188	12 00 37.70	+05 36 25.7	18.8 V	566
1997 EZ_2	1997 04 07.56216	12 00 37.07	+05 36 26.6	19.4 V	566
1997 EZ_2	1997 04 07.57062	12 00 36.63	+05 36 27.0	18.9 V	566
1997 FR_2	1997 04 06.58099	12 43 17.36	−04 55 47.6	18.8 V	566
1997 FR_2	1997 04 06.59412	12 43 16.45	−04 55 45.6	19.1 V	566
1997 FR_2	1997 04 06.60423	12 43 15.73	−04 55 43.0	19.3 V	566
1997 FX_2	1997 04 07.56017	12 46 11.71	−08 18 44.7	19.7 V	566
1997 FX_2	1997 04 07.56856	12 46 11.14	−08 18 40.6	20.2 V	566
1997 FX_2	1997 04 07.57694	12 46 10.71	−08 18 37.7	19.9 V	566
1997 FM_3	1997 04 06.58308	12 45 24.83	−02 45 09.0	18.7 V	566
1997 FM_3	1997 04 06.59605	12 45 24.00	−02 45 08.2	18.7 V	566
1997 FM_3	1997 04 06.60649	12 45 23.39	−02 45 07.8	19.3 V	566
1997 FZ_4	1997 04 06.57902	12 43 26.67	−05 40 51.6	19.6 V	566
1997 FZ_4	1997 04 06.58746	12 43 26.25	−05 40 48.0	19.9 V	566

1997 FZ_{4}	1997 04 06.60005	12 43 25.67	−05 40 40.8	19.3	V	566
1997 FA_{5}	1997 04 06.58308	12 43 19.86	−03 44 29.8	19.6	V	566
1997 FA_{5}	1997 04 06.59605	12 43 19.06	−03 44 23.4	19.5	V	566
1997 FA_{5}	1997 04 06.60649	12 43 18.65	−03 44 18.6	19.3	V	566
1997 FB_{5}	1997 04 06.58099	12 43 42.33	−04 41 49.1	19.5	V	566
1997 FB_{5}	1997 04 06.59412	12 43 41.60	−04 41 45.8	19.2	V	566
1997 FB_{5}	1997 04 06.60423	12 43 41.06	−04 41 42.5	19.3	V	566
1997 FC_{5}	1997 04 06.58510	12 47 51.33	−01 55 59.6	19.1	V	566
1997 FC_{5}	1997 04 06.59812	12 47 50.72	−01 55 54.4	18.9	V	566
1997 FC_{5}	1997 04 06.60858	12 47 50.20	−01 55 50.2	19.0	V	566
1997 GO_{6}	1995 12 20.58214	08 13 51.56	+20 02 04.2	17.9	V	566
1997 GO_{6}	1995 12 20.60297	08 13 50.84	+20 02 06.3	17.6	V	566
1997 GO_{6}	1995 12 20.62373	08 13 50.18	+20 02 08.5	17.6	V	566
1997 GD_{12}	1997 04 07.57893	12 54 06.06	−06 02 20.1	18.7	V	566
1997 GD_{12}	1997 04 07.58754	12 54 05.50	−06 02 19.1	18.3	V	566
1997 GD_{12}	1997 04 07.59638	12 54 04.95	−06 02 17.6	18.3	V	566
1997 GK_{12}	1997 04 07.58549	12 54 20.14	−03 29 04.1	20.0	V	566
1997 GK_{12}	1997 04 07.59390	12 54 19.80	−03 29 01.6	20.0	V	566
1997 GK_{12}	1997 04 07.60229	12 54 19.37	−03 28 59.1	19.8	V	566
1997 GK_{17}	1997 04 04.56888	13 06 53.31	−10 18 10.4	18.8	V	566
1997 GK_{17}	1997 04 04.57732	13 06 52.76	−10 18 08.2	18.8	V	566
1997 GK_{17}	1997 04 04.59010	13 06 51.90	−10 18 03.5	18.3	V	566
1997 GP_{20}	1997 04 07.56441	12 47 16.60	−06 31 10.6	20.0	V	566
1997 GP_{20}	1997 04 07.57281	12 47 16.07	−06 31 09.2	20.3	V	566
1997 GP_{20}	1997 04 07.58119	12 47 15.68	−06 31 08.7	20.2	V	566
1997 GE_{21}	1997 04 07.52374	13 00 45.88	−06 59 44.6	19.2	V	566
1997 GE_{21}	1997 04 07.53452	13 00 45.36	−06 59 39.4	19.5	V	566
1997 GE_{21}	1997 04 07.54299	13 00 45.00	−06 59 35.0	19.4	V	566
1997 GG_{22}	1997 05 07.46427	14 31 11.03	−12 42 28.0	18.5	V	566
1997 GG_{22}	1997 05 07.47273	14 31 10.51	−12 42 23.6	18.8	V	566
1997 GG_{22}	1997 05 07.48111	14 31 10.12	−12 42 19.9	18.9	V	566
1997 GM_{22}	1997 05 07.44107	14 24 44.36	−18 40 11.6	17.8	V	566
1997 GM_{22}	1997 05 07.44955	14 24 43.80	−18 40 11.5	17.8	V	566
1997 GM_{22}	1997 05 07.45798	14 24 43.22	−18 40 11.2	17.9	V	566
1997 GQ_{24}	1997 05 07.46427	14 34 59.42	−13 48 44.5	18.5	V	566
1997 GQ_{24}	1997 05 07.47273	14 34 58.91	−13 48 43.3	19.0	V	566
1997 GQ_{24}	1997 05 07.48111	14 34 58.39	−13 48 42.0	19.2	V	566
1997 GP_{27}	1997 04 05.41296	11 50 37.13	−02 43 25.2	20.1	V	566
1997 GP_{27}	1997 04 05.42359	11 50 36.62	−02 43 20.3	20.4	V	566
1997 GP_{27}	1997 04 05.43199	11 50 36.07	−02 43 18.0	19.9	V	566
1997 GQ_{32}	1997 04 04.59646	13 09 22.32	−05 39 53.8	19.3	V	566
1997 GQ_{32}	1997 04 04.60483	13 09 21.87	−05 39 50.0	19.6	V	566
1997 GQ_{32}	1997 04 04.61323	13 09 21.50	−05 39 46.7	19.9	V	566
1997 GR_{32}	1997 04 04.59646	13 09 11.32	−06 11 00.8	19.7	V	566
1997 GR_{32}	1997 04 04.60483	13 09 10.76	−06 10 58.9	19.5	V	566
1997 GR_{32}	1997 04 04.61323	13 09 10.32	−06 10 56.7	19.6	V	566
1997 GV_{32}	1997 04 04.57956	13 07 59.33	−09 24 03.1	19.5	V	566
1997 GV_{32}	1997 04 04.59215	13 07 58.55	−09 24 02.2	19.5	V	566
1997 GV_{32}	1997 04 04.60057	13 07 58.02	−09 24 01.5	19.6	V	566
1997 GN_{33}	1997 04 04.59421	13 10 09.65	−06 57 19.7	20.5	V	566
1997 GN_{33}	1997 04 04.60259	13 10 09.19	−06 57 16.5	20.2	V	566
1997 GN_{33}	1997 04 04.61099	13 10 08.70	−06 57 14.1	20.2	V	566
1997 GP_{33}	1997 04 04.59646	13 09 59.61	−06 26 39.4	19.2	V	566
1997 GP_{33}	1997 04 04.60483	13 09 59.14	−06 26 36.7	19.5	V	566
1997 GP_{33}	1997 04 04.61323	13 09 58.73	−06 26 33.3	19.4	V	566
1997 GQ_{33}	1997 04 04.59646	13 10 39.71	−06 19 49.1	20.2	V	566
1997 GQ_{33}	1997 04 04.60483	13 10 39.25	−06 19 47.2	20.3	V	566
1997 GQ_{33}	1997 04 04.61323	13 10 38.91	−06 19 44.7	20.2	V	566
1997 GF_{34}	1997 04 04.60710	13 12 56.73	−03 51 14.8	19.7	V	566
1997 GF_{34}	1997 04 04.61551	13 12 56.29	−03 51 13.2	19.2	V	566
1997 GF_{34}	1997 04 04.62408	13 12 55.91	−03 51 10.8	19.7	V	566
1997 GO_{34}	1997 04 04.59646	13 12 26.37	−05 34 22.0	19.5	V	566
1997 GO_{34}	1997 04 04.60483	13 12 25.85	−05 34 18.9	19.4	V	566
1997 GO_{34}	1997 04 04.61323	13 12 25.44	−05 34 15.8	19.5	V	566
1997 GY_{36}	1997 04 07.56017	12 44 33.07	−08 47 52.6	18.3	V	566
1997 GY_{36}	1997 04 07.56856	12 44 32.51	−08 47 48.6	18.2	V	566
1997 GY_{36}	1997 04 07.57694	12 44 32.04	−08 47 44.7	18.3	V	566
1997 GZ_{36}	1997 04 06.58308	12 44 09.77	−02 43 33.0	19.3	V	566
1997 GZ_{36}	1997 04 06.59605	12 44 09.11	−02 43 31.1	19.0	V	566
1997 GZ_{36}	1997 04 06.60649	12 44 08.58	−02 43 30.5	18.8	V	566
1997 GA_{37}	1997 04 04.57956	13 06 39.97	−08 51 52.4	19.2	V	566
1997 GA_{37}	1997 04 04.59215	13 06 39.23	−08 51 46.0	18.8	V	566
1997 GA_{37}	1997 04 04.60057	13 06 38.71	−08 51 41.8	18.8	V	566
1997 GB_{37}	1997 04 05.51736	13 13 29.69	−10 35 39.0	19.0	V	566
1997 GB_{37}	1997 04 05.52579	13 13 29.23	−10 35 36.0	18.9	V	566
1997 GB_{37}	1997 04 05.53419	13 13 28.79	−10 35 33.3	19.0	V	566
1997 GC_{37}	* 1997 04 04.57956	13 04 44.09	−08 46 17.6	19.9	V	566
1997 GC_{37}	1997 04 04.59215	13 04 43.38	−08 46 10.3	19.5	V	566
1997 GC_{37}	1997 04 04.60057	13 04 42.87	−08 46 06.2	19.6	V	566
1997 GD_{37}	* 1997 04 04.60710	13 13 11.90	−04 34 10.5	19.7	V	566
1997 GD_{37}	1997 04 04.61551	13 13 11.40	−04 34 06.1	19.6	V	566
1997 GD_{37}	1997 04 04.62408	13 13 11.00	−04 34 01.8	19.9	V	566
1997 GE_{37}	* 1997 04 04.60710	13 13 19.82	−04 37 04.8	19.4	V	566
1997 GE_{37}	1997 04 04.61551	13 13 19.42	−04 37 01.3	19.1	V	566
1997 GE_{37}	1997 04 04.62408	13 13 19.08	−04 36 57.0	19.6	V	566
1997 GF_{37}	* 1997 04 04.61960	13 15 29.43	−03 34 04.2	20.5	V	566
1997 GF_{37}	1997 04 04.62797	13 15 29.01	−03 34 00.7	20.3	V	566
1997 GF_{37}	1997 04 04.63636	13 15 28.57	−03 33 57.3	19.9	V	566
1997 GG_{37}	* 1997 04 04.61960	13 15 53.09	−03 20 34.6	19.8	V	566
1997 GG_{37}	1997 04 04.62797	13 15 52.62	−03 20 31.7	19.6	V	566
1997 GG_{37}	1997 04 04.63636	13 15 52.13	−03 20 27.8	19.3	V	566
1997 GH_{37}	* 1997 04 05.51736	13 10 14.04	−11 39 45.4	19.2	V	566
1997 GH_{37}	1997 04 05.52579	13 10 13.63	−11 39 39.7	18.9	V	566
1997 GH_{37}	1997 04 05.53419	13 10 13.22	−11 39 33.9	19.1	V	566
1997 GJ_{37}	* 1997 04 05.51736	13 11 26.23	−11 45 32.2	20.0	V	566
1997 GJ_{37}	1997 04 05.52579	13 11 25.77	−11 45 29.7	19.6	V	566
1997 GJ_{37}	1997 04 05.53419	13 11 25.27	−11 45 26.6	19.8	V	566
1997 GK_{37}	* 1997 04 05.51736	13 11 33.46	−11 36 34.1	18.8	V	566
1997 GK_{37}	1997 04 05.52579	13 11 33.00	−11 36 31.5	18.7	V	566
1997 GK_{37}	1997 04 05.53419	13 11 32.52	−11 36 28.8	18.8	V	566
1997 GL_{37}	* 1997 04 05.51736	13 12 25.14	−11 36 57.7	19.0	V	566
1997 GL_{37}	1997 04 05.52579	13 12 24.70	−11 36 56.8	19.4	V	566
1997 GL_{37}	1997 04 05.53419	13 12 24.21	−11 36 55.4	19.5	V	566
1997 GM_{37}	* 1997 04 05.51736	13 13 47.30	−11 35 10.6	18.6	V	566

1997 GM_{37}		1997 04 05.52579	13 13 46.80	−11 35 07.5	18.7 V	566
1997 GM_{37}		1997 04 05.53419	13 13 46.34	−11 35 05.2	18.8 V	566
1997 GN_{37}	*	1997 04 05.53827	13 14 34.84	−07 56 51.0	19.6 V	566
1997 GN_{37}		1997 04 05.54666	13 14 34.46	−07 56 44.8	20.3 V	566
1997 GN_{37}		1997 04 05.55508	13 14 34.02	−07 56 38.8	19.1 V	566
1997 GO_{37}	*	1997 04 05.53827	13 14 37.09	−08 22 04.5	19.0 V	566
1997 GO_{37}		1997 04 05.54666	13 14 36.67	−08 22 00.7	19.6 V	566
1997 GO_{37}		1997 04 05.55508	13 14 36.19	−08 21 58.8	19.7 V	566
1997 GP_{37}	*	1997 04 05.53827	13 14 51.87	−08 23 10.9	19.7 V	566
1997 GP_{37}		1997 04 05.54666	13 14 51.46	−08 23 08.4	19.6 V	566
1997 GP_{37}		1997 04 05.55508	13 14 51.02	−08 23 05.8	19.7 V	566
1997 GQ_{37}	*	1997 04 05.53827	13 15 09.13	−07 39 31.6	19.3 V	566
1997 GQ_{37}		1997 04 05.54666	13 15 08.54	−07 39 29.2	19.8 V	566
1997 GQ_{37}		1997 04 05.55508	13 15 08.07	−07 39 25.9	19.9 V	566
1997 GR_{37}	*	1997 04 05.53827	13 15 34.77	−07 29 56.8	19.3 V	566
1997 GR_{37}		1997 04 05.54666	13 15 34.39	−07 29 54.1	19.2 V	566
1997 GR_{37}		1997 04 05.55508	13 15 33.95	−07 29 52.1	19.2 V	566
1997 GS_{37}	*	1997 04 05.53827	13 16 18.62	−08 03 29.9	19.7 V	566
1997 GS_{37}		1997 04 05.54666	13 16 18.11	−08 03 29.2	19.7 V	566
1997 GS_{37}		1997 04 05.55508	13 16 17.59	−08 03 28.4	19.5 V	566
1997 GT_{37}	*	1997 04 05.53827	13 17 03.16	−07 54 59.3	19.3 V	566
1997 GT_{37}		1997 04 05.54666	13 17 02.70	−07 54 56.1	19.3 V	566
1997 GT_{37}		1997 04 05.55508	13 17 02.24	−07 54 53.0	19.2 V	566
1997 GU_{37}	*	1997 04 05.53827	13 17 14.55	−07 29 18.3	19.2 V	566
1997 GU_{37}		1997 04 05.54038	13 17 14.55	−07 29 17.3	19.5 V	566
1997 GU_{37}		1997 04 05.54666	13 17 14.11	−07 29 15.9	19.0 V	566
1997 GU_{37}		1997 04 05.54879	13 17 13.98	−07 29 15.2	19.4 V	566
1997 GU_{37}		1997 04 05.55508	13 17 13.72	−07 29 14.5	19.6 V	566
1997 GU_{37}		1997 04 05.55723	13 17 13.54	−07 29 12.8	19.5 V	566
1997 GV_{37}	*	1997 04 05.54038	13 16 44.37	−07 05 17.7	19.2 V	566
1997 GV_{37}		1997 04 05.54879	13 16 43.87	−07 05 16.2	18.9 V	566
1997 GV_{37}		1997 04 05.55723	13 16 43.41	−07 05 14.4	19.2 V	566
1997 GW_{37}	*	1997 04 05.54038	13 17 52.50	−06 40 21.0	20.3 V	566
1997 GW_{37}		1997 04 05.54879	13 17 52.03	−06 40 18.6	20.0 V	566
1997 GW_{37}		1997 04 05.55723	13 17 51.63	−06 40 16.1	19.7 V	566
1997 GX_{37}	*	1997 04 05.54038	13 18 36.14	−06 38 47.4	19.7 V	566
1997 GX_{37}		1997 04 05.54879	13 18 35.72	−06 38 45.6	20.1 V	566
1997 GX_{37}		1997 04 05.55723	13 18 35.28	−06 38 43.6	19.6 V	566
1997 GY_{37}	*	1997 04 05.56151	13 19 23.29	−04 34 10.1	19.6 V	566
1997 GY_{37}		1997 04 05.56994	13 19 22.85	−04 34 03.9	20.1 V	566
1997 GY_{37}		1997 04 05.57837	13 19 22.46	−04 33 58.6	19.6 V	566
1997 GZ_{37}	*	1997 04 05.56151	13 19 40.34	−05 03 46.4	19.2 V	566
1997 GZ_{37}		1997 04 05.56994	13 19 40.02	−05 03 42.5	19.0 V	566
1997 GZ_{37}		1997 04 05.57837	13 19 39.51	−05 03 38.5	20.0 V	566
1997 GA_{38}	*	1997 04 05.56151	13 19 58.63	−05 21 49.8	18.4 V	566
1997 GA_{38}		1997 04 05.56994	13 19 58.16	−05 21 46.0	18.3 V	566
1997 GA_{38}		1997 04 05.57837	13 19 57.72	−05 21 41.9	18.4 V	566
1997 GE_{38}		1997 05 07.48720	14 38 37.54	−10 21 04.7	19.3 V	566
1997 GE_{38}		1997 05 07.49563	14 38 36.99	−10 21 02.6	19.8 V	566
1997 GE_{38}		1997 05 07.50407	14 38 36.58	−10 21 00.1	19.7 V	566
1997 HO_2		1997 05 07.51242	15 20 11.57	−16 19 16.9	18.7 V	566
1997 HO_2		1997 05 07.52337	15 20 10.94	−16 19 14.1	18.9 V	566
1997 HO_2		1997 05 07.53180	15 20 10.58	−16 19 13.0	19.4 V	566
1997 HH_3		1997 05 07.46427	14 30 36.41	−12 59 14.7	18.0 V	566
1997 HH_3		1997 05 07.47273	14 30 35.54	−12 59 19.3	18.0 V	566
1997 HH_3		1997 05 07.48111	14 30 34.74	−12 59 24.5	18.1 V	566
1997 HT_5		1997 04 07.33877	10 43 20.01	+04 19 20.2	18.9 V	566
1997 HT_5		1997 04 07.34720	10 43 19.83	+04 19 24.3	18.6 V	566
1997 HT_5		1997 04 07.35571	10 43 19.75	+04 19 28.8	18.6 V	566
1997 HB_9		1997 05 07.44305	14 28 29.33	−16 43 24.6	19.2 V	566
1997 HB_9		1997 05 07.45155	14 28 28.87	−16 43 24.4	18.4 V	566
1997 HB_9		1997 05 07.46010	14 28 28.37	−16 43 24.3	18.5 V	566
1997 HD_9		1997 05 07.44305	14 26 54.90	−16 49 24.3	19.4 V	566
1997 HD_9		1997 05 07.45155	14 26 54.41	−16 49 21.4	18.8 V	566
1997 HD_9		1997 05 07.46010	14 26 53.91	−16 49 18.7	18.9 V	566
1997 HM_9		1997 05 07.44305	14 27 58.75	−16 08 20.1	19.1 V	566
1997 HM_9		1997 05 07.45155	14 27 58.23	−16 08 19.0	18.6 V	566
1997 HM_9		1997 05 07.46010	14 27 57.72	−16 08 18.1	18.7 V	566
1997 HE_{12}		1997 05 07.46427	14 32 19.59	−13 18 46.8	18.4 V	566
1997 HE_{12}		1997 05 07.47273	14 32 19.07	−13 18 48.1	18.4 V	566
1997 HE_{12}		1997 05 07.48111	14 32 18.48	−13 18 48.9	18.8 V	566
1997 JC_{10}		1997 05 07.38447	13 13 02.93	−04 39 10.5	19.9 V	566
1997 JC_{10}		1997 05 07.39287	13 13 02.73	−04 39 06.7	18.8 V	566
1997 JC_{10}		1997 05 07.40463	13 13 02.32	−04 39 04.6	19.4 V	566
1997 JW_{12}		1997 05 04.53057	15 00 57.43	−15 47 40.4	17.2 V	566
1997 JW_{12}		1997 05 04.53896	15 00 57.01	−15 47 27.2	17.7 V	566
1997 JW_{12}		1997 05 04.54735	15 00 56.59	−15 47 14.3	17.4 V	566
1997 JY_{12}		1997 05 04.53057	15 00 44.52	−15 43 45.2	18.0 V	566
1997 JY_{12}		1997 05 04.53896	15 00 43.97	−15 43 45.5	18.2 V	566
1997 JY_{12}		1997 05 04.54735	15 00 43.45	−15 43 46.5	18.0 V	566
1997 JC_{13}		1997 05 04.53057	15 01 50.14	−15 30 17.6	18.0 V	566
1997 JC_{13}		1997 05 04.53896	15 01 49.63	−15 30 16.7	18.6 V	566
1997 JC_{13}		1997 05 04.54735	15 01 49.13	−15 30 15.6	18.4 V	566
1997 JE_{13}		1997 05 04.53057	15 02 38.81	−16 02 28.7	19.0	566
1997 JE_{13}		1997 05 04.53896	15 02 38.42	−16 02 26.8	19.4	566
1997 JE_{13}		1997 05 04.54735	15 02 37.93	−16 02 24.8	19.4	566
1997 JM_{13}		1997 05 04.53057	15 04 33.34	−15 21 45.2	19.1 V	566
1997 JM_{13}		1997 05 04.53896	15 04 32.80	−15 21 43.7	20.2 V	566
1997 JM_{13}		1997 05 04.54735	15 04 32.34	−15 21 41.1	20.1 V	566
4652 P-L		1996 03 23.44144	12 24 18.56	−05 31 33.8	17.6 V	566
4652 P-L		1996 03 23.46164	12 24 17.78	−05 31 30.8	17.2 V	566
4652 P-L		1996 03 23.48183	12 24 16.94	−05 31 26.8	17.2 V	566
4271 T-1		1997 05 07.46219	14 29 58.43	−15 44 47.3	18.2 V	566
4271 T-1		1997 05 07.47062	14 29 57.90	−15 44 46.8	18.2 V	566
4271 T-1		1997 05 07.47901	14 29 57.34	−15 44 46.1	18.1 V	566
(4411)		1997 05 07.51461	15 17 14.80	−15 33 13.0	17.0 V	566
(4411)		1997 05 07.52541	15 17 14.05	−15 33 10.9	17.1 V	566
(4411)		1997 05 07.53397	15 17 13.50	−15 33 08.9	17.2 V	566
(4520)		1997 05 07.52939	15 22 43.27	−13 17 09.3	16.8 V	566
(4520)		1997 05 07.53777	15 22 42.72	−13 17 07.7	17.1 V	566
(4520)		1997 05 07.54618	15 22 42.18	−13 17 06.2	17.1 V	566
(4589)		1997 05 04.55377	15 46 12.01	−17 52 06.1	18.5 V	566
(4589)		1997 05 04.56216	15 46 11.47	−17 52 04.1	18.1 V	566
(4589)		1997 05 04.57056	15 46 11.05	−17 52 02.4	18.0 V	566

(4704)	1997 05 07.51461	15 18 40.73	−15 10 45.3	18.2	V	566
(4704)	1997 05 07.52541	15 18 40.10	−15 10 39.9	18.0	V	566
(4704)	1997 05 07.53397	15 18 39.67	−15 10 35.2	18.1	V	566
(5127)	1997 05 07.41283	13 50 06.75	−09 31 15.2	18.6	V	566
(5127)	1997 05 07.42159	13 50 06.35	−09 31 11.9	18.5	V	566
(5127)	1997 05 07.43482	13 50 05.65	−09 31 06.5	18.8	V	566
(5934)	1997 05 07.43694	13 49 34.64	−08 45 30.1	18.9	V	566
(5934)	1997 05 07.44536	13 49 34.17	−08 45 27.9	18.7	V	566
(5934)	1997 05 07.45382	13 49 33.73	−08 45 25.1	18.5	V	566
(6692)	1997 05 07.24302	09 45 00.00	+13 55 18.6	19.3	V	566
(6692)	1997 05 07.25141	09 45 00.71	+13 55 17.1	19.3	V	566
(6692)	1997 05 07.25982	09 45 01.43	+13 55 15.3	18.9	V	566

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Measurers B. Gladman, J. Luu, D. J. Tholen, C. Veillet
2.24-m telescope + CCD, 3.6-m telescope + CCD
USNO-A1.0

1997 CQ_{29}	*	1997 02 04.54741	10 31 14.60	+10 31 21.8	22.5	R	568
1997 CQ_{29}		1997 02 04.58824	10 31 14.42	+10 31 23.0			568
1997 CQ_{29}		1997 02 04.63137	10 31 14.23	+10 31 24.0			568
1997 CQ_{29}		1997 02 07.44215	10 31 01.89	+10 32 40.0			568
1997 CQ_{29}		1997 02 07.48088	10 31 01.70	+10 32 41.3			568
1997 CQ_{29}		1997 02 09.42788	10 30 52.99	+10 33 34.1			568
1997 CQ_{29}		1997 02 09.46441	10 30 52.83	+10 33 35.0			568
1997 CQ_{29}		1997 02 09.55828	10 30 52.36	+10 33 37.7			568
1997 CQ_{29}		1997 04 02.26807	10 27 04.33	+10 56 02.7			568
1997 CQ_{29}		1997 04 02.35054	10 27 04.04	+10 56 04.6			568
1997 CQ_{29}		1997 04 02.40868	10 27 03.80	+10 56 05.7			568
1997 EJ_{26}		1997 05 07.25682	11 29 27.52	−00 02 01.7			568
1997 EJ_{26}		1997 05 07.27625	11 29 27.45	−00 02 03.2			568
1997 EJ_{26}		1997 05 08.25622	11 29 26.59	−00 03 28.8			568
1997 EJ_{26}		1997 05 08.27565	11 29 26.61	−00 03 31.3			568
1997 EJ_{26}		1997 05 08.29509	11 29 26.57	−00 03 33.0			568
1997 EJ_{26}		1997 05 08.31471	11 29 26.54	−00 03 34.8			568
1997 EJ_{26}		1997 05 08.33412	11 29 26.49	−00 03 36.6			568
1997 EJ_{26}		1997 05 08.35352	11 29 26.46	−00 03 38.6			568
1997 GF_{38}	*	1997 04 01.61248	14 06 28.29	−14 33 28.6	18.2	R	568
1997 GF_{38}		1997 04 02.55138	14 05 42.52	−14 29 06.1			568
1997 GF_{38}		1997 04 02.62626	14 05 38.57	−14 28 43.5			568
1997 JR_2	*	1997 05 02.46082	12 25 14.02	+12 56 03.3			568
1997 JR_2		1997 05 02.48065	12 25 13.23	+12 55 59.9			568
1997 JR_2		1997 05 03.26328	12 24 46.73	+12 54 00.6			568
1997 JR_2		1997 05 03.28368	12 24 46.03	+12 53 57.7			568
1997 JR_2		1997 05 03.30477	12 24 45.27	+12 53 54.0			568
1997 JS_2		1997 05 02.38840	12 25 19.34	+12 48 11.9			568
1997 JS_2		1997 05 02.41052	12 25 18.82	+12 48 15.2			568
1997 JS_2	*	1997 05 02.46082	12 25 17.63	+12 48 21.3			568
1997 JS_2		1997 05 02.48065	12 25 17.16	+12 48 23.2			568
1997 JS_2		1997 05 03.26328	12 25 00.22	+12 50 16.8			568
1997 JS_2		1997 05 03.28368	12 24 59.75	+12 50 19.6			568
1997 JS_2		1997 05 03.30477	12 24 59.25	+12 50 22.6			568
1997 JT_2	*	1997 05 02.46082	12 25 28.42	+12 55 47.4			568
1997 JT_2		1997 05 02.48065	12 25 27.88	+12 55 49.5			568
1997 JT_2		1997 05 03.26328	12 25 09.64	+12 56 45.2			568
1997 JT_2		1997 05 03.28368	12 25 09.15	+12 56 46.7			568
1997 JT_2		1997 05 03.30477	12 25 08.61	+12 56 47.9			568
1997 JU_2	*	1997 05 02.46082	12 25 36.36	+13 14 34.4			568
1997 JU_2		1997 05 02.48065	12 25 35.89	+13 14 35.8			568
1997 JU_2		1997 05 03.26328	12 25 19.97	+13 15 18.1			568
1997 JU_2		1997 05 03.28368	12 25 19.52	+13 15 19.8			568
1997 JU_2		1997 05 03.46492	12 25 15.52	+13 15 27.3			568
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1997 JW_2	*	1997 05 02.26538	12 26 32.43	+12 54 38.8			568
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1997 JW_2		1997 05 02.30567	12 26 31.35	+12 54 38.7			568
1997 JW_2		1997 05 03.26328	12 26 06.25	+12 54 27.3			568
1997 JW_2		1997 05 03.28368	12 26 05.69	+12 54 27.4			568
1997 JW_2		1997 05 03.30477	12 26 05.12	+12 54 27.0			568
1997 JX_2	*	1997 05 04.29925	11 29 31.76	+00 01 16.2			568
1997 JX_2		1997 05 05.36921	11 29 17.79	−00 00 24.3			568
1997 JX_2		1997 05 05.38866	11 29 17.53	−00 00 26.1			568
1997 JX_2		1997 05 05.40817	11 29 17.25	−00 00 27.8			568
1997 JX_2		1997 05 05.42759	11 29 17.02	−00 00 29.9			568
1997 JX_2		1997 05 05.44713	11 29 16.73	−00 00 31.6			568
1997 JY_2	*	1997 05 04.29925	11 29 33.09	+00 09 56.1			568
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1997 JY_2		1997 05 05.38866	11 29 24.62	+00 13 43.7			568
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1997 JY_2		1997 05 05.44713	11 29 24.16	+00 13 55.7			568
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1997 JZ_2		1997 05 05.38866	11 30 09.42	−00 01 48.7			568
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1997 JZ_2		1997 05 05.44713	11 30 08.94	−00 01 41.6			568
1997 JZ_2		1997 05 07.29578	11 29 57.97	+00 01 46.7			568
1997 JZ_2		1997 05 07.31517	11 29 57.82	+00 01 48.3			568
1997 JZ_2		1997 05 07.34394	11 29 57.66	+00 01 51.8			568
1997 JZ_2		1997 05 07.36333	11 29 57.56	+00 01 53.1			568
1997 JZ_2		1997 05 07.38289	11 29 57.46	+00 01 55.2			568
1997 JZ_2		1997 05 08.25622	11 29 54.11	+00 03 21.9			568
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1997 JZ_2		1997 05 08.29509	11 29 53.92	+00 03 25.5	568
1997 JZ_2		1997 05 08.31471	11 29 53.83	+00 03 27.4	568
1997 JZ_2		1997 05 08.33412	11 29 53.73	+00 03 29.0	568
1997 JZ_2		1997 05 08.35352	11 29 53.63	+00 03 31.2	568
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1997 JQ_3		1997 05 05.38866	11 29 40.62	−00 03 50.4	568
1997 JQ_3		1997 05 05.40817	11 29 40.71	−00 03 45.9	568
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1997 JQ_3		1997 05 05.44713	11 29 40.86	−00 03 35.3	568
1997 JQ_3		1997 05 07.25682	11 29 52.24	+00 04 00.1	568
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1997 JQ_3		1997 05 07.38289	11 29 53.01	+00 04 31.0	568
1997 JQ_3		1997 05 08.25622	11 30 00.25	+00 07 56.5	568
1997 JQ_3		1997 05 08.27565	11 30 00.39	+00 08 01.0	568
1997 JQ_3		1997 05 08.29509	11 30 00.53	+00 08 05.3	568
1997 JQ_3		1997 05 08.31471	11 30 00.68	+00 08 10.0	568
1997 JQ_3		1997 05 08.33412	11 30 00.81	+00 08 14.5	568
1997 JQ_3		1997 05 08.35352	11 30 00.95	+00 08 18.9	568
1997 JR_3	*	1997 05 05.36921	11 29 45.25	−00 10 06.5	568
1997 JR_3		1997 05 05.38866	11 29 45.21	−00 10 02.8	568
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1997 JS_3		1997 05 07.38289	11 29 37.79	−00 05 41.5	568
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1997 JS_3		1997 05 08.27565	11 29 30.04	−00 05 54.8	568
1997 JS_3		1997 05 08.29509	11 29 29.85	−00 05 55.4	568
1997 JS_3		1997 05 08.31471	11 29 29.66	−00 05 55.6	568
1997 JS_3		1997 05 08.33412	11 29 29.48	−00 05 56.0	568
1997 JS_3		1997 05 08.35352	11 29 29.30	−00 05 56.5	568
1997 JR_4	*	1997 05 07.25682	11 29 31.79	+00 10 44.5	568
1997 JR_4		1997 05 07.27625	11 29 32.05	+00 10 42.8	568
1997 JR_4		1997 05 08.25622	11 29 48.46	+00 09 02.3	568
1997 JR_4		1997 05 08.27565	11 29 48.75	+00 09 00.1	568
1997 JR_4		1997 05 08.29509	11 29 49.04	+00 08 58.1	568
1997 JR_4		1997 05 08.31471	11 29 49.34	+00 08 55.6	568
1997 JR_4		1997 05 08.33412	11 29 49.67	+00 08 53.6	568
1997 JR_4		1997 05 08.35352	11 29 49.93	+00 08 51.6	568
1997 JS_4	*	1997 05 07.25682	11 29 32.46	−00 12 25.4	568
1997 JS_4		1997 05 07.27625	11 29 32.36	−00 12 22.8	568
1997 JS_4		1997 05 07.29578	11 29 32.19	−00 12 18.8	568
1997 JS_4		1997 05 07.34394	11 29 31.90	−00 12 13.2	568
1997 JS_4		1997 05 07.36333	11 29 31.71	−00 12 10.8	568
1997 JS_4		1997 05 07.38289	11 29 31.66	−00 12 08.5	568
1997 JS_4		1997 05 07.40530	11 29 31.55	−00 12 05.4	568
1997 JS_4		1997 05 08.25622	11 29 28.28	−00 10 17.9	568
1997 JS_4		1997 05 08.27565	11 29 28.23	−00 10 16.1	568
1997 JS_4		1997 05 08.29509	11 29 28.14	−00 10 13.6	568
1997 JS_4		1997 05 08.31471	11 29 28.03	−00 10 11.1	568
1997 JS_4		1997 05 08.33412	11 29 27.93	−00 10 08.7	568
1997 JS_4		1997 05 08.35352	11 29 27.84	−00 10 06.6	568
1997 JT_4	*	1997 05 07.25682	11 29 43.26	+00 09 55.7	568
1997 JT_4		1997 05 07.27625	11 29 43.31	+00 09 56.2	568
1997 JT_4		1997 05 08.25622	11 29 47.98	+00 10 03.0	568
1997 JT_4		1997 05 08.27565	11 29 48.07	+00 10 02.5	568
1997 JT_4		1997 05 08.29509	11 29 48.15	+00 10 02.9	568
1997 JT_4		1997 05 08.31471	11 29 48.19	+00 10 02.6	568
1997 JT_4		1997 05 08.33412	11 29 48.29	+00 10 02.7	568
1997 JT_4		1997 05 08.35352	11 29 48.35	+00 10 02.8	568
1997 JU_4	*	1997 05 07.25682	11 30 05.65	+00 00 15.1	568
1997 JU_4		1997 05 07.27625	11 30 05.65	+00 00 16.6	568
1997 JU_4		1997 05 07.29578	11 30 05.67	+00 00 18.4	568
1997 JU_4		1997 05 07.31517	11 30 05.68	+00 00 20.1	568
1997 JU_4		1997 05 07.34394	11 30 05.69	+00 00 23.1	568
1997 JU_4		1997 05 07.36333	11 30 05.70	+00 00 24.8	568
1997 JU_4		1997 05 07.38289	11 30 05.69	+00 00 26.4	568
1997 JU_4		1997 05 07.40530	11 30 05.71	+00 00 28.3	568
1997 JU_4		1997 05 08.25622	11 30 08.28	+00 01 37.9	568
1997 JU_4		1997 05 08.27565	11 30 08.31	+00 01 39.4	568
1997 JU_4		1997 05 08.29509	11 30 08.34	+00 01 41.1	568
1997 JU_4		1997 05 08.31471	11 30 08.38	+00 01 42.8	568
1997 JU_4		1997 05 08.33412	11 30 08.41	+00 01 43.9	568
1997 JU_4		1997 05 08.35352	11 30 08.46	+00 01 45.7	568
1997 JV_4	*	1997 05 07.25682	11 30 20.51	+00 07 24.5	568
1997 JV_4		1997 05 07.27625	11 30 20.36	+00 07 26.1	568
1997 JV_4		1997 05 07.29578	11 30 20.24	+00 07 27.7	568
1997 JV_4		1997 05 07.31517	11 30 20.11	+00 07 29.4	568
1997 JV_4		1997 05 07.34394	11 30 19.92	+00 07 31.6	568
1997 JV_4		1997 05 07.36333	11 30 19.80	+00 07 33.1	568
1997 JV_4		1997 05 07.38289	11 30 19.68	+00 07 34.8	568
1997 JV_4		1997 05 07.40530	11 30 19.53	+00 07 36.6	568
1997 JV_4		1997 05 08.25622	11 30 15.58	+00 08 43.2	568
1997 JV_4		1997 05 08.27565	11 30 15.48	+00 08 44.6	568
1997 JV_4		1997 05 08.29509	11 30 15.38	+00 08 46.1	568
1997 JV_4		1997 05 08.31471	11 30 15.25	+00 08 47.5	568
1997 JV_4		1997 05 08.33412	11 30 15.15	+00 08 49.0	568
1997 JV_4		1997 05 08.35352	11 30 15.05	+00 08 50.4	568
1997 JW_4	*	1997 05 07.25682	11 30 26.54	−00 11 01.0	568

1997 JW_4		1997 05 07.31517	11 30 26.44	−00 10 47.8		568	1997 JA_{10}		1997 05 11.56653	15 39 50.19	−03 23 42.7			568
1997 JW_4		1997 05 07.34394	11 30 26.39	−00 10 40.9		568	1997 JK_{10}	*	1997 05 12.25331	12 56 42.39	−17 27 14.2			568
1997 JW_4		1997 05 07.38289	11 30 26.35	−00 10 32.1		568	1997 JK_{10}		1997 05 12.27975	12 56 41.84	−17 26 58.4			568
1997 JW_4		1997 05 08.25622	11 30 28.13	−00 07 26.4		568	1997 JK_{10}		1997 05 12.30620	12 56 41.30	−17 26 42.5			568
1997 JW_4		1997 05 08.29509	11 30 28.11	−00 07 18.2		568	1997 JK_{10}		1997 05 12.33266	12 56 40.74	−17 26 26.7			568
1997 JW_4		1997 05 08.31471	11 30 28.06	−00 07 14.2		568	1997 JK_{10}		1997 05 12.36685	12 56 40.05	−17 26 06.5			568
1997 JW_4		1997 05 08.33412	11 30 28.06	−00 07 09.9		568	1997 JK_{10}		1997 05 12.39326	12 56 39.51	−17 25 50.3			568
1997 JW_4		1997 05 08.35352	11 30 28.09	−00 07 06.2		568	1997 JK_{10}		1997 05 12.41962	12 56 38.97	−17 25 34.6			568
1997 JX_4		1997 05 05.36921	11 30 59.70	+00 11 07.7		568	1997 JK_{10}		1997 05 13.36975	12 56 23.45	−17 16 11.4			568
1997 JX_4		1997 05 05.38866	11 30 59.34	+00 11 08.9		568	1997 JK_{10}		1997 05 13.39611	12 56 22.96	−17 15 55.1			568
1997 JX_4		1997 05 05.40817	11 30 59.04	+00 11 10.0		568	1997 JL_{10}	*	1997 05 12.25331	12 56 49.20	−17 23 28.2			568
1997 JX_4		1997 05 05.42759	11 30 58.76	+00 11 10.9		568	1997 JL_{10}		1997 05 12.27014	12 56 48.73	−17 23 22.1			568
1997 JX_4	*	1997 05 07.25682	11 30 34.52	+00 12 28.8		568	1997 JL_{10}		1997 05 12.39326	12 56 45.55	−17 22 39.6			568
1997 JX_4		1997 05 07.27625	11 30 34.26	+00 12 28.8		568	1997 JL_{10}		1997 05 12.41962	12 56 44.85	−17 22 30.0			568
1997 JX_4		1997 05 07.29578	11 30 33.95	+00 12 29.9		568	1997 JL_{10}		1997 05 13.36975	12 56 22.12	−17 16 46.4			568
1997 JX_4		1997 05 07.34394	11 30 33.31	+00 12 31.2		568	1997 JL_{10}		1997 05 13.39611	12 56 21.48	−17 16 37.3			568
1997 JX_4		1997 05 07.36333	11 30 33.07	+00 12 32.0		568	1997 JM_{10}	*	1997 05 12.25331	12 56 51.15	−17 31 06.0			568
1997 JX_4		1997 05 08.25622	11 30 23.27	+00 12 58.4		568	1997 JM_{10}		1997 05 12.36685	12 56 48.16	−17 30 25.7			568
1997 JX_4		1997 05 08.27565	11 30 23.04	+00 12 58.9		568	1997 JM_{10}		1997 05 12.39326	12 56 47.46	−17 30 16.3			568
1997 JX_4		1997 05 08.29509	11 30 22.80	+00 12 59.4		568	1997 JM_{10}		1997 05 12.41962	12 56 46.78	−17 30 07.1			568
1997 JX_4		1997 05 08.31471	11 30 22.56	+00 12 59.6		568	1997 JM_{10}		1997 05 13.36975	12 56 24.40	−17 24 34.7			568
1997 JX_4		1997 05 08.33412	11 30 22.32	+00 13 00.5		568	1997 JM_{10}		1997 05 13.39611	12 56 23.77	−17 24 25.9			568
1997 JX_4		1997 05 08.35352	11 30 22.09	+00 13 00.6		568	1997 JN_{10}	*	1997 05 12.25331	12 57 46.69	−17 27 50.1			568
1997 JV_9	*	1997 05 09.46743	15 40 09.82	−03 27 34.0		568	1997 JN_{10}		1997 05 12.27975	12 57 45.73	−17 27 41.8			568
1997 JV_9		1997 05 09.49444	15 40 08.45	−03 27 27.7		568	1997 JN_{10}		1997 05 12.30620	12 57 44.71	−17 27 33.3			568
1997 JV_9		1997 05 10.45491	15 39 20.68	−03 23 31.3		568	1997 JN_{10}		1997 05 12.33266	12 57 43.73	−17 27 25.0			568
1997 JV_9		1997 05 10.53424	15 39 16.55	−03 23 11.8		568	1997 JN_{10}		1997 05 12.36685	12 57 42.41	−17 27 13.2			568
1997 JW_9	*	1997 05 09.46743	15 40 46.88	−03 17 45.7		568	1997 JN_{10}		1997 05 12.39326	12 57 41.43	−17 27 05.5			568
1997 JW_9		1997 05 09.48437	15 40 46.04	−03 17 42.1		568	1997 JN_{10}		1997 05 12.41962	12 57 40.43	−17 26 56.5			568
1997 JW_9		1997 05 10.45491	15 40 01.77	−03 14 33.3		568	1997 JN_{10}		1997 05 13.36975	12 57 07.76	−17 21 51.6			568
1997 JW_9		1997 05 10.53424	15 39 58.00	−03 14 18.1		568	1997 JN_{10}		1997 05 13.39611	12 57 06.78	−17 21 43.4			568
1997 JW_9		1997 05 10.57325	15 39 56.14	−03 14 10.4		568	1997 JO_{10}	*	1997 05 12.46451	15 13 13.25	+07 20 01.8			568
1997 JY_9	*	1997 05 10.44514	15 40 42.23	−03 16 26.7		568	1997 JO_{10}		1997 05 12.49156	15 13 11.96	+07 20 06.7			568
1997 JY_9		1997 05 10.53424	15 40 37.08	−03 15 54.3		568	1997 JO_{10}		1997 05 13.43190	15 12 30.77	+07 22 37.4			568
1997 JY_9		1997 05 10.57325	15 40 34.85	−03 15 41.4		568	(253)		1997 04 29.62549	23 55 23.87	+01 21 27.2	14.7	R	568
1997 JY_9		1997 05 11.47884	15 39 45.30	−03 10 31.9		568	(253)		1997 04 29.62740	23 55 24.12	+01 21 28.7	14.7	R	568
1997 JY_9		1997 05 11.49514	15 39 44.37	−03 10 26.0		568	(253)		1997 04 29.62910	23 55 24.34	+01 21 29.9	14.7	R	568
1997 JY_9		1997 05 11.53921	15 39 41.81	−03 10 11.1		568	(2060)		1997 04 15.48236	13 48 31.28	−11 16 13.0	15.0	V	568
1997 JY_9		1997 05 11.56653	15 39 40.22	−03 10 02.2		568	(2060)		1997 04 15.48536	13 48 31.23	−11 16 12.7			568
1997 JZ_9	*	1997 05 10.45491	15 40 21.44	−03 30 28.7		568	(2060)		1997 04 15.48810	13 48 31.18	−11 16 12.3			568
1997 JZ_9		1997 05 10.53424	15 40 17.53	−03 30 17.7		568	(2060)		1997 04 16.55836	13 48 12.66	−11 14 03.7			568
1997 JZ_9		1997 05 10.57325	15 40 15.62	−03 30 12.6		568	(2060)		1997 04 16.56038	13 48 12.63	−11 14 03.5			568
1997 JZ_9		1997 05 11.47884	15 39 32.64	−03 28 10.6		568	(2060)		1997 04 16.56274	13 48 12.59	−11 14 03.2			568
1997 JZ_9		1997 05 11.50519	15 39 31.28	−03 28 06.8		568	(2060)		1997 04 17.42291	13 47 57.77	−11 12 19.8			568
1997 JZ_9		1997 05 11.53921	15 39 29.68	−03 28 02.7		568	(2060)		1997 04 17.42521	13 47 57.72	−11 12 19.5			568
1997 JZ_9		1997 05 11.56653	15 39 28.32	−03 27 58.7		568	(2739)		1997 04 01.61248	14 06 43.11	−14 37 43.8	16.4	R	568
1997 JA_{10}	*	1997 05 10.45491	15 41 08.03	−03 16 09.8		568	(2739)		1997 04 02.55138	14 06 02.27	−14 34 18.8			568
1997 JA_{10}		1997 05 10.53424	15 41 02.20	−03 16 41.8		568	(2739)		1997 04 02.62626	14 05 58.86	−14 34 01.4			568
1997 JA_{10}		1997 05 10.57325	15 40 59.33	−03 16 58.1		568	(3483)		1997 04 15.56902	19 38 35.30	−19 28 15.7	19.1	V	568
1997 JA_{10}		1997 05 11.47884	15 39 56.52	−03 23 06.8		568	(3483)		1997 04 15.58111	19 38 36.41	−19 28 20.3			568
1997 JA_{10}		1997 05 11.50519	15 39 54.57	−03 23 18.0		568	(3483)		1997 04 15.59324	19 38 37.52	−19 28 24.3			568
1997 JA_{10}		1997 05 11.53921	15 39 52.17	−03 23 31.6		568								

(3483)	1997 04 15.60525	19 38 38.70	−19 28 29.0		568
(3483)	1997 04 15.61816	19 38 39.77	−19 28 33.5		568

587 Sormano

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Observers P. Sicoli, M. Cavagna, F. Manca, A. Testa, E. Colzani, G. Ventre
0.5-m reflector + CCD
GSC

1994 TD	1997 05 08.87211	13 23 41.69	−05 33 57.8		587
1995 UE	1997 05 08.82824	11 01 15.47	+01 59 47.6		587
1997 BR	1997 04 30.90220	08 43 47.33	+71 28 10.7		587
1997 BR	1997 04 30.91053	08 43 48.01	+71 28 14.9		587
1997 CC_7	1997 04 30.83235	09 18 16.40	+21 23 12.4		587
1997 CC_7	1997 04 30.87025	09 18 17.80	+21 23 07.1		587
1997 CL_{13}	1997 04 30.89098	11 12 54.38	+14 13 14.1		587
1997 CL_{13}	1997 04 30.92575	11 12 54.64	+14 13 11.3		587
1997 CU_{26}	1997 04 30.84893	08 24 46.19	+15 33 54.6		587
1997 CU_{26}	1997 05 01.88194	08 24 52.15	+15 33 20.1	17.7 V	587
1997 FM_1	1997 05 08.91227	11 58 06.59	+11 02 38.1		587
1997 FM_1	1997 05 08.92653	11 58 06.93	+11 02 45.6		587
1997 FN_1	1997 04 17.86174	12 02 59.04	−05 43 52.9		587
1997 FN_1	1997 04 17.87558	12 02 58.49	−05 43 46.4		587
1997 FN_1	1997 04 30.82637	11 58 23.32	−04 15 28.1		587
1997 FN_1	1997 04 30.87621	11 58 22.80	−04 15 11.3		587
1997 FO_1	1997 04 30.85424	11 11 30.14	+09 36 57.6		587
1997 FO_1	1997 05 01.89236	11 11 28.23	+09 36 35.6	18.7 V	587
1997 GH_3	1997 04 30.93405	10 30 43.25	+12 49 24.5		587
1997 GH_3	1997 04 30.93613	10 30 43.98	+12 49 21.0		587
1997 GH_3	1997 04 30.93891	10 30 44.95	+12 49 16.3		587
1997 GH_3	1997 05 02.83130	10 41 33.64	+12 00 46.6		587
1997 GH_3	1997 05 02.83697	10 41 35.49	+12 00 37.5		587
1997 GL_3	1997 05 01.92697	13 10 33.37	+00 05 00.8		587
1997 GL_3	1997 05 01.94178	13 10 32.95	+00 05 01.6	18.7 V	587
1997 GC_4	1997 04 30.88574	11 51 41.97	+01 24 00.1		587
1997 GC_4	1997 04 30.91667	11 51 41.26	+01 23 58.0		587
1997 GC_4	1997 05 01.90115	11 51 19.83	+01 22 23.9		587
1997 GC_4	1997 05 01.91736	11 51 19.39	+01 22 21.6		587
1997 GZ_{31}	1997 05 02.86786	14 24 13.18	+03 19 45.3	17.0 V	587
1997 GZ_{31}	1997 05 02.89021	14 24 12.08	+03 19 44.2		587
1997 GZ_{31}	1997 05 03.88188	14 23 23.94	+03 19 07.5		587
1997 GZ_{31}	1997 05 03.89444	14 23 23.30	+03 19 06.7		587
1997 GZ_{31}	1997 05 03.90080	14 23 23.00	+03 19 06.1		587
1997 GC_{32}	1997 05 01.98333	17 59 34.12	−04 17 58.2		587
1997 GC_{32}	1997 05 01.98889	17 59 35.82	−04 17 43.3		587
1997 GC_{32}	1997 05 01.99351	17 59 37.20	−04 17 32.2		587
1997 GD_{32}	1997 04 30.94560	17 48 28.72	+14 40 27.9		587
1997 GD_{32}	1997 04 30.94674	17 48 31.78	+14 40 33.7		587
1997 GD_{32}	1997 04 30.94856	17 48 36.63	+14 40 43.3		587
1997 GD_{32}	1997 04 30.95032	17 48 41.34	+14 40 52.8		587
1997 GD_{32}	1997 05 01.96045	18 40 03.41	+15 56 17.0		587
1997 GD_{32}	1997 05 01.96226	18 40 09.47	+15 56 23.6		587
1997 GD_{32}	1997 05 01.96678	18 40 24.54	+15 56 40.4		587
1997 GD_{32}	1997 05 01.96875	18 40 31.12	+15 56 47.9		587
1997 JP	* 1997 05 02.88146	14 17 41.43	+03 38 23.6	16.8 V	587
1997 JP	1997 05 02.90584	14 17 40.34	+03 38 28.5		587
1997 JP	1997 05 02.92188	14 17 39.56	+03 38 32.0		587
1997 JP	1997 05 03.87274	14 16 58.25	+03 41 44.4		587
1997 JP	1997 05 03.88802	14 16 57.54	+03 41 47.7		587
1997 JP	1997 05 08.88212	14 13 25.39	+03 55 52.6		587
1997 JP	1997 05 08.89514	14 13 24.81	+03 55 54.4		587
(7155)	1997 05 02.87892	14 19 50.44	+03 41 11.6		587
(7155)	1997 05 02.90291	14 19 49.31	+03 41 15.2		587
(7155)	1997 05 02.92726	14 19 48.21	+03 41 18.3		587

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

1994 RJ	1997 04 12.91403	12 11 15.31	−03 30 39.4	19.7 V	589
1994 RJ	1997 04 12.92426	12 11 14.83	−03 30 36.1		589
1996 CC_1	1997 05 03.97354	16 47 20.19	−21 45 10.7	18.2 V	589
1996 CC_1	1997 05 03.98255	16 47 19.89	−21 45 11.9		589
1996 CC_1	1997 05 03.99384	16 47 19.38	−21 45 10.8		589
1996 HB	1997 04 12.89396	14 39 58.52	−14 17 56.9	18.0 V	589
1996 HB	1997 04 12.90339	14 39 58.08	−14 17 54.0		589
1996 HB	1997 04 25.87489	14 29 54.02	−13 01 47.4	17.2 V	589
1996 HB	1997 04 25.88982	14 29 53.28	−13 01 42.0		589
1996 HB	1997 04 25.89673	14 29 52.92	−13 01 40.0		589
1997 BH_3	1997 04 12.86445	08 07 38.00	+16 19 12.6	18.7 V	589
1997 BH_3	1997 04 12.87573	08 07 38.76	+16 19 14.4		589
1997 BH_3	1997 04 12.88365	08 07 39.26	+16 19 14.7		589
1997 BH_3	1997 04 25.81577	08 23 10.38	+16 17 47.1	18.5 V	589
1997 BH_3	1997 04 25.83329	08 23 11.76	+16 17 46.1		589
1997 BH_3	1997 04 28.84230	08 27 08.44	+16 14 31.4	18.5 V	589
1997 BH_3	1997 04 28.84844	08 27 08.90	+16 14 31.2		589
1997 BH_3	1997 04 28.85638	08 27 09.54	+16 14 30.4		589
1997 CT_{16}	1997 05 01.88546	10 10 03.19	+16 06 52.3	19.1 V	589
1997 CT_{16}	1997 05 01.91392	10 10 04.13	+16 06 45.5		589
1997 ED_{23}	1997 05 01.92425	11 46 33.17	−00 11 46.7	19.0 V	589
1997 ED_{23}	1997 05 01.93469	11 46 33.03	−00 11 46.4		589
1997 ED_{23}	1997 05 01.94344	11 46 32.98	−00 11 46.6		589
1997 HB	* 1997 04 25.81577	08 23 22.92	+16 25 03.9	18.2 V	589
1997 HB	1997 04 25.83329	08 23 24.24	+16 24 59.6		589
1997 HB	1997 04 28.84230	08 27 15.54	+16 11 32.3		589
1997 HB	1997 04 28.84844	08 27 16.03	+16 11 30.2		589
1997 HB	1997 04 28.85638	08 27 16.64	+16 11 28.0		589

595 Farra d'Isonzo

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Measurers L. Drigo, E. Pettarin, G. Lombardi, A. Toso

0.4-m f/4.5 reflector + CCD
GSC

1993 UE_1		1997 05 14.93442	15 02 46.42	−18 08 19.9	18.5 V	595
1993 UE_1		1997 05 14.97377	15 02 44.48	−18 08 17.3		595
1993 UE_1		1997 05 15.95458	15 01 53.21	−18 07 52.5		595
1993 UE_1		1997 05 15.99542	15 01 50.93	−18 07 52.1		595
1995 WT_5		1997 05 03.97059	14 26 44.07	−16 29 52.6	17.8 V	595
1995 WT_5		1997 05 03.98409	14 26 43.20	−16 29 50.1		595
1995 WT_5		1997 05 14.84949	14 16 21.93	−16 03 40.2		595
1995 WT_5		1997 05 14.86242	14 16 20.95	−16 03 38.2		595
1995 WT_5		1997 05 14.88449	14 16 19.85	−16 03 34.9		595
1997 JH_{11}		1997 05 14.93442	15 02 20.55	−18 14 45.4		595
1997 JH_{11}	*	1997 05 14.97377	15 02 18.46	−18 14 33.5	18.5 V	595
1997 JH_{11}		1997 05 15.94068	15 01 28.14	−18 10 06.2		595
1997 JH_{11}		1997 05 15.99542	15 01 25.12	−18 09 54.0		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

1990 OK_3		1997 05 03.90777	15 16 54.37	−12 48 28.7	17.5 V	596
1990 OK_3		1997 05 03.91807	15 16 53.77	−12 48 26.0		596
1990 OK_3		1997 05 03.92836	15 16 53.14	−12 48 23.3		596
1990 OK_3		1997 05 10.83994	15 10 02.60	−12 19 52.6	17.6 V	596
1990 OK_3		1997 05 10.86646	15 10 00.95	−12 19 46.1		596
1990 OK_3		1997 05 10.88978	15 09 59.50	−12 19 40.5		596
1992 DN_7		1997 05 03.90777	15 17 45.85	−12 55 40.5	17.3 V	596
1992 DN_7		1997 05 03.91807	15 17 45.29	−12 55 38.3		596
1992 DN_7		1997 05 03.92836	15 17 44.74	−12 55 36.5		596
1994 RN_1		1997 05 03.97667	17 04 31.98	−15 17 50.7	18.3 V	596
1994 RN_1		1997 05 04.00042	17 04 31.33	−15 17 47.1		596
1994 TK_3		1997 04 25.85072	14 02 52.14	−07 21 02.8	17.6 V	596
1994 TK_3		1997 04 25.86459	14 02 51.42	−07 20 59.9		596
1994 TK_3		1997 04 25.88256	14 02 50.55	−07 20 54.9		596
1994 TK_3		1997 05 03.83370	13 56 32.64	−06 50 19.4	17.8 V	596
1994 TK_3		1997 05 03.84623	13 56 32.04	−06 50 16.2		596
1994 TK_3		1997 05 03.85387	13 56 31.69	−06 50 15.4		596
1994 TK_3		1997 05 11.82227	13 50 45.90	−06 24 54.5	17.9 V	596
1994 TK_3		1997 05 11.83068	13 50 45.56	−06 24 54.1		596
1997 FM_1		1997 04 25.78943	11 55 02.75	+08 16 30.2	16.3 V	596
1997 FM_1		1997 04 25.79676	11 55 02.76	+08 16 38.0		596
1997 FM_1		1997 04 25.79963	11 55 02.78	+08 16 40.5		596
1997 JB_{10}	*	1997 05 03.90777	15 16 53.49	−12 52 29.0	17.5 V	596
1997 JB_{10}		1997 05 03.91807	15 16 52.83	−12 52 28.3		596
1997 JB_{10}		1997 05 03.92836	15 16 52.20	−12 52 23.6		596
1997 JB_{10}		1997 05 10.83994	15 09 55.30	−12 28 44.9	17.7 V	596
1997 JB_{10}		1997 05 10.86646	15 09 53.62	−12 28 41.8		596
1997 JB_{10}		1997 05 10.88978	15 09 52.16	−12 28 37.8		596
1997 JB_{10}		1997 05 11.85733	15 08 53.71	−12 25 30.9	17.8 V	596
1997 JB_{10}		1997 05 11.87031	15 08 52.99	−12 25 26.2		596
1997 JB_{10}		1997 05 11.88615	15 08 51.89	−12 25 25.7		596
(7600)		1997 04 24.84779	13 30 23.68	−12 29 23.9	16.7 V	596
(7600)		1997 04 24.85594	13 30 23.42	−12 29 18.3		596
(7600)		1997 04 24.86329	13 30 22.94	−12 29 15.6		596
(7600)		1997 04 24.87650	13 30 22.35	−12 29 11.2		596

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A. Carusi, Istituto Astrofisica Spaziale–Planetogia, Viale Universitá 11, I-00185 Rome, Italy [carusi@saturn.ias.fra.cnr.it]
Observers A. Boattini, A. Di Paola, F. Pedichini, A. Di Muzio, V. S. Casulli, A. Vagnozzi, T. Scacciafrotte, V. Risoldi, A. Di Clemente
Measurers A. Boattini, A. Di Paola, F. Pedichini, G. Forti
0.60-m f/3 Schmidt + CCD

1997 GY_{36}		1997 01 18.13125	13 00 02.61	−10 49 00.2	19.4 V	599
1997 GY_{36}		1997 01 18.15347	13 00 03.49	−10 49 07.5		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, J. Africano, P. Sydney, D. Nishimoto, A. Angara, B. McCartney
1.2-m reflector + CCD

1990 FH		1997 04 23.33551	13 24 29.24	+17 57 27.3	15.1 R	608
1990 FH		1997 04 23.35220	13 24 27.67	+17 57 07.8	15.6 R	608
1990 FH		1997 04 29.33079	13 16 04.22	+15 54 05.4	15.7 R	608
1990 FH		1997 04 29.38124	13 16 00.12	+15 53 00.8	15.9 R	608
1990 KT		1997 05 13.33516	11 22 47.27	−00 41 14.3	18.4 R	608
1990 KT		1997 05 13.37020	11 22 48.23	−00 40 53.1	18.2 R	608
1992 AN		1997 04 22.32098	15 34 18.39	+16 44 16.4	17.1 R	608
1992 AN		1997 04 22.33988	15 34 17.44	+16 44 24.0	17.3 R	608
1992 AN		1997 04 23.33747	15 33 27.41	+16 50 54.3	17.3 R	608
1992 AN		1997 04 23.35380	15 33 26.56	+16 51 00.2	17.1 R	608
1993 MG_1		1997 05 13.34799	11 50 54.31	−22 54 09.3	17.6 R	608
1993 MG_1		1997 05 13.38305	11 50 53.98	−22 53 48.4	17.4 R	608
1995 CV		1997 04 08.46897	13 19 33.04	−01 37 47.0	20.1 R	608
1995 CV		1997 04 08.52103	13 19 31.54	−01 37 36.1	20.3 R	608
1995 CV		1997 04 10.48628	13 18 35.82	−01 30 48.1		608
1995 CV		1997 04 10.51954	13 18 34.85	−01 30 41.2		608
1995 GO		1997 04 08.43383	13 18 26.07	−14 34 09.5	19.0 R	608
1995 GO		1997 04 08.48430	13 18 25.23	−14 34 06.4	18.9 R	608
1995 GO		1997 04 10.44791	13 17 53.03	−14 32 05.5	19.3 R	608
1995 GO		1997 04 10.50492	13 17 52.08	−14 32 02.0	20.0 R	608
1997 CM_6		1997 04 01.44117	10 13 44.41	+15 00 09.0	18.3 R	608
1997 CM_6		1997 04 01.47845	10 13 43.91	+15 00 13.9	18.2 R	608
1997 GB_2		1997 05 01.36279	11 45 06.58	−05 47 28.0	18.9 R	608
1997 GB_2		1997 05 01.39551	11 45 06.65	−05 47 51.2	18.0 R	608
1997 GV_{22}		1997 04 01.47468	14 59 08.50	−14 50 26.6	17.9 R	608
1997 GV_{22}		1997 04 01.52258	14 59 07.07	−14 49 56.4	17.9 R	608
(1036)		1997 03 22.43862	12 46 06.31	−20 18 14.1	15.6 R	608
(1036)		1997 03 22.45497	12 46 05.50	−20 18 07.5	15.6 R	608
(1036)		1997 04 11.48190	12 29 25.83	−17 34 43.9	14.8 R	608

(1036)	1997 04 11.51047	12 29 24.41	−17 34 27.6	14.9 R	608
(1093)	1997 03 22.43329	14 38 23.99	+04 00 00.3	13.3 R	608
(1093)	1997 03 22.44769	14 38 23.54	+04 00 01.7	13.2 R	608
(1738)	1997 05 13.32336	12 03 14.02	+02 55 39.2	16.1 R	608
(1738)	1997 05 13.36059	12 03 13.42	+02 55 36.0	16.3 R	608
(1839)	1997 03 22.42724	13 35 49.68	−01 01 09.9	16.9 R	608
(1839)	1997 03 22.44159	13 35 49.02	−01 01 06.6	17.1 R	608
(1839)	1997 04 10.48904	13 20 19.98	+00 01 53.4	16.6 R	608
(1839)	1997 04 10.52677	13 20 17.98	+00 02 00.0	16.5 R	608
(3015)	1997 04 29.33310	15 23 36.62	−23 46 08.7	17.0 R	608
(3015)	1997 04 29.38312	15 23 34.17	−23 46 12.7	17.4 R	608
(3015)	1997 05 02.36314	15 21 05.24	−23 49 43.9	16.9 R	608
(3015)	1997 05 02.39881	15 21 03.40	−23 49 46.5	17.1 R	608
(3037)	1997 04 22.31731	12 43 14.42	+25 19 14.4	15.2 R	608
(3037)	1997 04 22.33607	12 43 13.61	+25 19 12.9	15.3 R	608
(3037)	1997 04 23.33223	12 42 32.65	+25 17 34.8	15.1 R	608
(3037)	1997 04 23.34652	12 42 32.04	+25 17 33.6	15.2 R	608
(3943)	1997 05 06.39286	12 33 31.66	−06 30 52.6	18.1 R	608
(3943)	1997 05 06.43330	12 33 30.07	−06 30 46.5	17.9 R	608
(3943)	1997 05 13.35383	12 29 49.01	−06 16 31.9	17.8 R	608
(3943)	1997 05 13.38764	12 29 48.10	−06 16 28.1	17.6 R	608
(4036)	1997 04 01.48164	15 24 58.71	−12 35 58.8		608
(4036)	1997 04 01.52494	15 24 57.77	−12 35 49.3		608
(4036)	1997 04 23.34858	15 12 21.11	−11 01 05.9	17.5 R	608
(4036)	1997 04 23.35904	15 12 20.62	−11 01 03.3	17.5 R	608
(4396)	1997 04 05.35023	09 37 17.91	+19 18 18.8		608
(4396)	1997 04 05.38514	09 37 17.48	+19 18 15.7		608
(4992)	1997 04 22.31355	12 29 08.83	−17 06 15.8	16.6 R	608
(4992)	1997 04 22.33447	12 29 07.99	−17 06 01.9	16.5 R	608
(4992)	1997 04 30.37367	12 24 39.72	−15 37 12.9	16.6 R	608
(4992)	1997 04 30.39751	12 24 39.01	−15 36 57.2	16.5 R	608
(5324)	1997 05 02.36048	12 40 59.39	−29 53 38.3	18.2 R	608
(5324)	1997 05 02.39718	12 40 55.47	−29 53 35.9	18.2 R	608
(5530)	1997 04 22.32268	15 39 13.06	−26 27 52.4	18.6 R	608
(5530)	1997 04 22.34187	15 39 11.97	−26 27 54.9	18.6 R	608
(5530)	1997 04 23.33973	15 38 15.86	−26 29 52.8	18.2 R	608
(5530)	1997 04 23.36083	15 38 14.58	−26 29 55.5	18.1 R	608

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[astrofil@astbo1.bo.cnr.it]

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

1991 BH_1	1997 03 15.96824	11 35 04.99	+03 26 35.0	610
1991 BH_1	1997 03 15.97505	11 35 04.66	+03 26 36.9	610
1991 BH_1	1997 03 15.98249	11 35 04.30	+03 26 38.8	610
1991 BH_1	1997 03 17.91948	11 33 35.02	+03 36 30.2	610
1991 BH_1	1997 03 17.92831	11 33 34.55	+03 36 32.5	610
1991 BH_1	1997 03 17.93361	11 33 34.27	+03 36 33.9	610
1991 BH_1	1997 04 12.81744	11 16 59.20	+05 23 29.2	610
1991 BH_1	1997 04 12.82830	11 16 58.91	+05 23 30.9	610
1991 BH_1	1997 04 12.83951	11 16 58.61	+05 23 32.6	610
1991 BH_1	1997 04 14.86236	11 16 08.54	+05 28 43.3	610
1991 BH_1	1997 04 14.86931	11 16 08.34	+05 28 44.0	610
1991 BH_1	1997 04 14.87626	11 16 08.14	+05 28 44.6	610
1997 BG_8	1997 03 02.85530	09 01 15.25	+16 57 23.4	610
1997 BG_8	1997 03 02.86323	09 01 14.80	+16 57 24.0	610
1997 BG_8	1997 03 02.86986	09 01 14.43	+16 57 24.6	610
1997 BG_8	1997 03 12.82439	08 54 48.38	+17 06 20.7	610
1997 BG_8	1997 03 12.83509	08 54 47.96	+17 06 21.0	610
1997 BG_8	1997 03 12.84657	08 54 47.52	+17 06 21.2	610
1997 BG_8	1997 03 12.85992	08 54 47.00	+17 06 21.6	610
1997 ER_{11}	1997 03 15.92814	11 05 10.92	+06 32 15.4	610
1997 ER_{11}	1997 03 15.93872	11 05 10.31	+06 32 19.3	610
1997 ER_{11}	1997 03 15.94553	11 05 09.91	+06 32 21.9	610
1997 ER_{11}	1997 03 17.87972	11 03 20.19	+06 41 51.7	610
1997 ER_{11}	1997 03 17.88740	11 03 19.70	+06 41 53.9	610
1997 ER_{11}	1997 03 17.89130	11 03 19.45	+06 41 55.1	610
1997 ER_{11}	1997 04 07.83866	10 48 18.12	+07 52 41.0	610
1997 ER_{11}	1997 04 07.84749	10 48 17.89	+07 52 42.0	610
1997 ER_{11}	1997 04 07.85633	10 48 17.67	+07 52 43.1	610
1997 ER_{11}	1997 04 08.84803	10 47 53.55	+07 54 08.2	610
1997 ER_{11}	1997 04 08.85497	10 47 53.33	+07 54 09.1	610
1997 ER_{11}	1997 04 08.86191	10 47 53.10	+07 54 10.1	610
1997 ER_{11}	1997 04 10.82939	10 47 11.24	+07 56 24.6	610
1997 ER_{11}	1997 04 10.83910	10 47 11.01	+07 56 25.0	610
1997 ER_{11}	1997 04 10.84881	10 47 10.79	+07 56 25.5	610
1997 FA	1997 03 29.93738	11 27 07.03	+03 42 01.9	610
1997 FA	1997 03 29.94752	11 27 06.55	+03 42 05.3	610
1997 FA	1997 03 29.95865	11 27 06.02	+03 42 09.0	610
1997 FA	1997 04 02.87186	11 24 20.46	+04 03 14.2	610
1997 FA	1997 04 02.88713	11 24 19.80	+04 03 18.8	610
1997 FA	1997 04 02.90174	11 24 19.17	+04 03 23.2	610
1997 FA	1997 04 03.81929	11 23 43.67	+04 07 57.6	610
1997 FA	1997 04 03.82730	11 23 43.37	+04 07 59.6	610
1997 FA	1997 04 03.84159	11 23 42.83	+04 08 03.2	610
1997 FA	1997 04 07.86866	11 21 22.67	+04 26 16.9	610
1997 FA	1997 04 07.88208	11 21 22.24	+04 26 21.3	610
1997 FA	1997 04 07.89668	11 21 21.78	+04 26 26.1	610
1997 FA	1997 04 08.87727	11 20 52.05	+04 30 21.3	610
1997 FA	1997 04 08.89111	11 20 51.58	+04 30 23.8	610
1997 FA	1997 04 08.90432	11 20 51.14	+04 30 26.3	610
1997 FA	1997 04 12.87620	11 19 09.91	+04 44 16.8	610
1997 FA	1997 04 12.88505	11 19 09.69	+04 44 18.4	610
1997 FA	1997 04 12.89389	11 19 09.47	+04 44 20.0	610
1997 FU	1997 04 07.87306	11 15 35.77	+22 57 13.2	610
1997 FU	1997 04 07.88651	11 15 35.21	+22 57 10.5	610
1997 FU	1997 04 07.90108	11 15 34.61	+22 57 07.6	610
1997 FU	1997 04 07.91543	11 15 34.01	+22 57 04.8	610
1997 FU	1997 04 08.88277	11 14 56.75	+22 53 30.1	610
1997 FU	1997 04 08.89528	11 14 56.26	+22 53 27.5	610
1997 FU	1997 04 08.90933	11 14 55.71	+22 53 24.7	610
1997 GD	1997 04 07.92514	12 02 41.20	+11 32 48.0	610
1997 GD	1997 04 07.93000	12 02 40.82	+11 32 44.7	610
1997 GD	1997 04 07.93487	12 02 40.44	+11 32 41.4	610

1997 GD	1997 04 08.91764	12 01 34.32	+11 20 12.3		610
1997 GD	1997 04 08.92319	12 01 33.88	+11 20 08.0		610
1997 GD	1997 04 08.92875	12 01 33.45	+11 20 03.6		610
1997 GD	1997 04 08.93431	12 01 33.01	+11 19 59.3		610
1997 GD	1997 04 08.93986	12 01 32.57	+11 19 54.9		610
1997 GD	1997 04 10.87133	11 59 29.21	+10 54 26.8		610
1997 GD	1997 04 10.87619	11 59 28.88	+10 54 22.7		610
1997 GD	1997 04 10.88106	11 59 28.54	+10 54 18.6		610
1997 GD	1997 04 12.91565	11 57 27.98	+10 26 10.8		610
1997 GD	1997 04 12.92122	11 57 27.65	+10 26 06.3		610
1997 GD	1997 04 12.92678	11 57 27.33	+10 26 01.8		610
1997 GD	1997 04 14.92600	11 55 39.73	+09 57 11.3		610
1997 GD	1997 04 14.93156	11 55 39.41	+09 57 05.9		610
1997 GD	1997 04 14.93713	11 55 39.09	+09 57 00.6		610
1997 GD	1997 04 24.82024	11 49 38.22	+07 20 31.4		610
1997 GD	1997 04 24.84366	11 49 37.57	+07 20 07.9		610
1997 GD	1997 04 24.86036	11 49 37.03	+07 19 50.9		610
1997 GD	1997 04 29.83841	11 48 27.07	+05 54 42.4		610
1997 GD	1997 04 29.84949	11 48 26.92	+05 54 30.9		610
1997 GD	1997 04 29.86058	11 48 26.80	+05 54 19.5		610
1997 GD	1997 05 02.83638	11 48 20.53	+05 02 07.4	17.6 V	610
1997 GD	1997 05 02.84889	11 48 20.54	+05 01 54.8		610
1997 GD	1997 05 02.86139	11 48 20.55	+05 01 41.6		610
(139)	1997 04 28.83103	10 25 02.44	+11 17 53.3	11.8 V	610
(139)	1997 04 28.83589	10 25 02.55	+11 17 51.4		610
(139)	1997 04 28.84076	10 25 02.66	+11 17 49.4		610
(216)	1997 03 21.94727	14 19 13.16	−16 21 20.3	12.6 V	610
(216)	1997 03 21.95560	14 19 12.91	−16 21 18.1		610
(216)	1997 03 21.96405	14 19 12.66	−16 21 15.9		610
(216)	1997 04 11.02984	14 06 38.31	−14 32 19.1	12.3 V	610
(216)	1997 04 11.03679	14 06 38.00	−14 32 16.3		610
(216)	1997 04 11.04374	14 06 37.69	−14 32 13.4		610
(267)	1997 03 21.88892	10 12 52.02	+20 19 53.6	14.9 V	610
(267)	1997 03 21.90142	10 12 51.53	+20 19 54.7		610
(267)	1997 03 21.91045	10 12 51.18	+20 19 55.6		610
(317)	1997 03 27.88185	10 02 50.99	+12 32 52.0	13.9 V	610
(317)	1997 03 27.89063	10 02 50.76	+12 32 53.5		610
(317)	1997 03 27.89459	10 02 50.66	+12 32 54.2		610
(903)	1997 04 02.81372	09 34 31.28	+13 09 43.5	15.2 V	610
(903)	1997 04 02.82274	09 34 31.20	+13 09 45.3		610
(903)	1997 04 02.83178	09 34 31.12	+13 09 47.0		610
(1136)	1997 03 11.99654	11 44 37.87	−06 03 33.8	15.6 V	610
(1136)	1997 03 12.02014	11 44 36.70	−06 03 24.4		610
(1136)	1997 03 12.03670	11 44 35.88	−06 03 17.9		610
(1203)	1997 03 11.98538	11 47 49.41	−05 35 00.9	15.9 V	610
(1203)	1997 03 12.00969	11 47 48.24	−05 34 53.4		610
(1203)	1997 03 12.02853	11 47 47.33	−05 34 47.6		610
(1362)	1997 04 29.88227	12 45 15.49	+25 16 31.9	17.8 V	610
(1362)	1997 04 29.88850	12 45 15.28	+25 16 31.9		610
(1362)	1997 04 29.89475	12 45 15.07	+25 16 31.9		610
(1738)	1997 04 24.87484	12 12 27.77	+02 50 04.5	15.9 V	610
(1738)	1997 04 24.88497	12 12 27.34	+02 50 05.3		610
(1738)	1997 04 24.89260	12 12 27.01	+02 50 05.9		610
(1839)	1997 04 24.91567	13 08 21.15	+00 35 51.8	16.6 V	610
(1839)	1997 04 24.92176	13 08 20.95	+00 35 52.8		610
(1839)	1997 04 24.92435	13 08 20.86	+00 35 53.2		610
(2017)	1997 03 21.97713	13 56 09.17	−08 02 00.0	16.0 V	610
(2017)	1997 03 21.98546	13 56 08.91	−08 01 57.0		610
(2017)	1997 03 21.99380	13 56 08.65	−08 01 54.0		610
(2060)	1997 04 29.91594	13 44 24.53	−10 47 24.0	15.3 V	610
(2060)	1997 04 29.92497	13 44 24.37	−10 47 22.8		610
(2060)	1997 04 29.93399	13 44 24.20	−10 47 21.6		610
(2400)	1997 03 15.99796	11 38 56.06	+02 56 11.9	16.3 V	610
(2400)	1997 03 16.01170	11 38 55.43	+02 56 17.7		610
(2400)	1997 03 16.02271	11 38 54.92	+02 56 22.3		610
(2423)	1997 03 11.99253	11 45 08.73	−05 14 33.3	17.5 V	610
(2423)	1997 03 12.01674	11 45 07.57	−05 14 24.3		610
(2423)	1997 03 12.03399	11 45 06.75	−05 14 17.8		610
(3067)	1997 03 27.91293	10 27 17.33	+09 54 11.5		610
(3067)	1997 03 27.91933	10 27 17.05	+09 54 11.7		610
(3067)	1997 03 27.92573	10 27 16.77	+09 54 12.0		610
(3485)	1997 03 12.87058	08 54 17.07	+17 00 56.3	17.3 V	610
(3485)	1997 03 12.87613	08 54 16.86	+17 00 57.4		610
(3485)	1997 03 12.88329	08 54 16.58	+17 00 58.9		610
(4174)	1997 03 27.95575	11 03 35.90	+08 22 07.2	16.7 V	610
(4174)	1997 03 27.96478	11 03 35.60	+08 22 07.8		610
(4174)	1997 03 27.97380	11 03 35.30	+08 22 08.3		610
(4357)	1997 03 11.98894	11 44 19.60	−05 46 24.4	15.7 V	610
(4357)	1997 03 12.01324	11 44 18.57	−05 46 13.7		610
(4357)	1997 03 12.03144	11 44 17.80	−05 46 05.8		610
(4562)	1997 03 11.97736	11 46 44.13	−04 31 09.4	16.5 V	610
(4562)	1997 03 12.00248	11 46 42.78	−04 31 01.4		610
(4562)	1997 03 12.02316	11 46 41.68	−04 30 54.8		610
(4831)	1997 04 12.87620	11 19 09.89	+04 47 42.3	16.7 V	610
(4831)	1997 04 12.88505	11 19 09.64	+04 47 43.6		610
(4831)	1997 04 12.89389	11 19 09.40	+04 47 45.0		610
(4831)	1997 04 14.89127	11 18 20.52	+04 52 38.0	16.7 V	610
(4831)	1997 04 14.90012	11 18 20.31	+04 52 39.0		610
(4831)	1997 04 14.90919	11 18 20.09	+04 52 40.0		610
(5007)	1997 03 15.99395	11 39 01.37	+04 05 17.9	17.4 V	610
(5007)	1997 03 16.00903	11 39 00.52	+04 05 25.5		610
(5007)	1997 03 16.01995	11 38 59.91	+04 05 30.9		610
(5487)	1997 03 10.92985	11 09 44.89	+06 00 55.2	15.4 V	610
(5487)	1997 03 10.93738	11 09 44.50	+06 00 57.6		610
(5487)	1997 03 10.94597	11 09 44.05	+06 01 00.3		610
(5487)	1997 03 12.90391	11 07 48.88	+06 10 15.2	15.5 V	610
(5487)	1997 03 12.91115	11 07 48.44	+06 10 17.5		610
(5487)	1997 03 12.91847	11 07 48.00	+06 10 19.8		610
(5487)	1997 03 15.92639	11 04 53.39	+06 24 09.5	15.6 V	610
(5487)	1997 03 15.93692	11 04 52.73	+06 24 12.2		610
(5487)	1997 03 15.94380	11 04 52.29	+06 24 14.0		610
(6143)	1997 03 29.97045	11 28 08.32	+03 21 33.1	17.0 V	610
(6143)	1997 03 29.97729	11 28 08.03	+03 21 34.5		610
(6143)	1997 03 29.98022	11 28 07.91	+03 21 35.2		610

(6248)	1997 03 16.00148	11 39 02.59	+02 35 04.6	16.8 V	610
(6248)	1997 03 16.01438	11 39 01.98	+02 35 08.0		610
(6248)	1997 03 16.02535	11 39 01.46	+02 35 11.0		610

611 Starkenburg Sternwarte, Heppenheim
M. Busch, Giessener Strasse 4, D-64646 Heppenheim, Germany [mab@iez.com]
Observers M. Busch, W. Ernst, F. Hormuth, J. Rothermel, K. Sonnenberg, R. Stoss
Measurer M. Busch, R. Stoss
0.2-m $f/6$ reflector + CCD
GSC

1990 TF_{13}	1997 04 21.98767	11 20 28.92	+19 58 39.3	16.5 R	611
1990 TF_{13}	1997 04 22.01227	11 20 28.49	+19 58 32.7	17.2 R	611
1997 GB	1997 05 01.87083	12 14 49.58	+00 20 46.2	17.0 R	611
1997 GB	1997 05 01.89583	12 14 48.84	+00 20 43.3	16.5 R	611
1997 GB	1997 05 01.92222	12 14 48.08	+00 20 40.5	16.0 R	611
1997 GB	1997 05 02.92882	12 14 23.53	+00 18 57.0	17.5 R	611
1997 GB	1997 05 02.97153	12 14 22.46	+00 18 52.6	18.9 R	611
1997 GH_3	1997 04 21.86817	09 34 05.35	+16 23 56.2	17.4 R	611
1997 GH_3	1997 04 21.87766	09 34 09.23	+16 23 42.6	17.3 R	611
1997 GH_3	1997 04 21.89560	09 34 16.17	+16 23 20.5	17.1 R	611
(1664)	1997 04 20.82431	11 10 50.46	+12 33 53.5		611
(1664)	1997 04 20.85903	11 10 50.52	+12 33 37.6		611
(1790)	1997 04 21.93605	09 36 24.35	+15 57 46.9	16.4 R	611
(1790)	1997 04 21.95995	09 36 25.45	+15 57 36.5	16.0 R	611
(2060)	1997 04 20.99618	13 46 55.98	−11 05 09.3		611
(2060)	1997 04 21.02431	13 46 55.47	−11 05 06.1		611
(3309)	1997 04 20.89201	13 31 47.76	−07 43 06.5		611
(3309)	1997 04 20.90764	13 31 45.87	−07 43 18.5		611
(3309)	1997 04 20.92049	13 31 44.35	−07 43 28.4		611
(3622)	1997 04 20.96042	14 33 07.45	−19 18 33.3		611
(4341)	1997 04 21.05729	18 50 13.32	+12 11 02.7	16.0 R	611

618 Martigues
D. Morata, 15 lot Floria, Qu St.-Jean, F-13500 Martigues, France [sdmorata@aix.pacwan.net]
Observers D. Morata, S. Morata
0.30-m $f/5.77$ reflector + CCD
GSC

1997 FR_1	1997 05 01.86539	12 00 20.71	+17 11 27.3	16.6	618
1997 FR_1	1997 05 01.88582	12 00 20.50	+17 11 19.6	16.8	618
1997 FR_1	1997 05 01.91603	12 00 20.16	+17 11 06.3	16.5	618
1997 FR_1	1997 05 01.94162	12 00 19.92	+17 10 55.6	16.8	618
1997 FR_1	1997 05 01.95885	12 00 19.77	+17 10 48.9	16.8	618
1997 FR_1	1997 05 02.89277	12 00 13.63	+17 04 10.4	16.9	618
1997 FR_1	1997 05 02.90286	12 00 13.55	+17 04 05.8	16.8	618
1997 FR_1	1997 05 02.90889	12 00 13.48	+17 04 02.6	16.8	618

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

1997 JB	* 1997 05 01.06148	13 48 02.54	+30 48 45.4			619
1997 JB	1997 05 02.84583	13 45 41.25	+30 24 00.6			619
1997 JB	1997 05 02.88567	13 45 38.02	+30 23 26.1	16.5		619
1997 JB	1997 05 02.89502	13 45 37.29	+30 23 17.9	16.3		619
(1021)	1997 05 10.90193	13 34 43.97	+12 53 10.0	14.9		619
(1021)	1997 05 10.90515	13 34 43.86	+12 53 09.2	14.4		619
(1021)	1997 05 10.94409	13 34 42.30	+12 53 08.7	14.9		619
(1021)	1997 05 10.95699	13 34 41.80	+12 53 08.4	14.4		619
(1021)	1997 05 10.96104	13 34 41.66	+12 53 08.7	14.9		619
(1021)	1997 05 17.99965	13 30 35.78	+12 46 51.7			619
(1021)	1997 05 18.03875	13 30 34.51	+12 46 47.4			619
(1021)	1997 05 18.05447	13 30 34.01	+12 46 46.3			619
(3671)	1997 05 01.06860	14 03 52.14	+26 39 30.3			619
(3671)	1997 05 01.07346	14 03 51.66	+26 39 32.3			619
(3671)	1997 05 01.09088	14 03 49.84	+26 39 39.4			619
(3671)	1997 05 01.09687	14 03 49.22	+26 39 41.8			619
(3671)	1997 05 01.86701	14 02 35.34	+26 45 02.6	15.9	I	619
(3671)	1997 05 01.87424	14 02 34.51	+26 45 06.3	16.0	I	619
(3671)	1997 05 01.87870	14 02 34.12	+26 45 09.3	15.9	I	619
(3671)	1997 05 01.89920	14 02 31.96	+26 45 16.7	15.9	I	619

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

1995 TQ_6	1997 04 12.97060	13 37 46.18	−10 48 20.0		620
1995 TQ_6	1997 04 12.99259	13 37 44.74	−10 48 14.3		620
1995 TQ_6	1997 04 13.01325	13 37 43.38	−10 48 09.0	17.5	620
1995 TQ_6	1997 04 15.88287	13 34 43.48	−10 37 16.5		620
1995 TQ_6	1997 04 15.89566	13 34 42.66	−10 37 13.9	17.3	620
1995 TQ_6	1997 04 15.90451	13 34 42.08	−10 37 12.2	17.3	620
1995 TQ_6	1997 04 15.90938	13 34 41.77	−10 37 11.2	17.2	620
1997 GE_{32}	* 1997 04 12.98426	13 37 57.66	−11 39 43.0		620
1997 GE_{32}	1997 04 13.00243	13 37 56.69	−11 39 40.7	19.1	620
1997 GE_{32}	1997 04 13.02297	13 37 55.58	−11 39 38.0		620
1997 GE_{32}	1997 04 13.02969	13 37 55.22	−11 39 37.1		620
1997 GE_{32}	1997 04 13.08675	13 37 52.16	−11 39 29.7	19.0	620
1997 GE_{32}	1997 04 15.95336	13 35 27.28	−11 32 48.7	18.6	620
1997 GE_{32}	1997 04 15.96435	13 35 26.72	−11 32 47.1	18.7	620
1997 GE_{32}	1997 04 15.99063	13 35 25.39	−11 32 43.2	18.7	620
1997 GE_{32}	1997 04 25.89340	13 27 09.21	−11 08 37.7		620
1997 GE_{32}	1997 04 25.92135	13 27 07.82	−11 08 33.8		620
1997 GE_{32}	1997 04 25.95382	13 27 06.20	−11 08 29.4		620
1997 GE_{32}	1997 04 30.93212	13 23 10.87	−10 56 41.4	18.7	620
1997 GE_{32}	1997 04 30.94925	13 23 10.03	−10 56 39.0	18.8	620
1997 GE_{32}	1997 04 30.97072	13 23 08.97	−10 56 35.9		620
1997 GE_{32}	1997 04 30.98293	13 23 08.38	−10 56 34.2		620
1997 GE_{32}	1997 04 30.99282	13 23 07.89	−10 56 32.8	18.9	620
1997 GE_{32}	1997 05 02.94427	13 21 40.01	−10 52 09.0		620

1997 GE_{32}		1997 05 02.95492	13 21 39.50	−10 52 08.0		620
1997 GE_{32}		1997 05 03.00017	13 21 37.36	−10 52 03.6		620
1997 GE_{32}		1997 05 03.01319	13 21 36.75	−10 52 02.3	19.0	620
1997 GE_{32}		1997 05 03.01759	13 21 36.54	−10 52 01.9		620
1997 GE_{32}		1997 05 09.92072	13 16 51.21	−10 37 58.4		620
1997 GE_{32}		1997 05 09.93426	13 16 50.65	−10 37 56.8	19.1	620
1997 GE_{32}		1997 05 09.95625	13 16 49.74	−10 37 54.3	18.9	620
1997 GE_{32}		1997 05 09.96696	13 16 49.30	−10 37 53.1		620
1997 HT_2	*	1997 04 25.89340	13 27 12.88	−11 05 01.8		620
1997 HT_2		1997 04 25.92135	13 27 11.59	−11 04 51.5		620
1997 HT_2		1997 04 25.94115	13 27 10.67	−11 04 44.2		620
1997 HT_2		1997 04 25.95382	13 27 10.09	−11 04 39.5		620
1997 HT_2		1997 04 30.92286	13 23 23.77	−10 33 22.7	18.8	620
1997 HT_2		1997 04 30.94144	13 23 22.91	−10 33 16.2		620
1997 HT_2		1997 04 30.96568	13 23 21.79	−10 33 07.7		620
1997 HT_2		1997 04 30.97743	13 23 21.24	−10 33 03.6		620
1997 HT_2		1997 05 02.93547	13 21 59.99	−10 21 19.5		620
1997 HT_2		1997 05 02.94971	13 21 59.38	−10 21 15.5		620
1997 HT_2		1997 05 02.97853	13 21 58.16	−10 21 07.3		620
1997 HT_2		1997 05 02.99468	13 21 57.48	−10 21 02.7		620
1997 HT_2		1997 05 09.91493	13 17 55.54	−09 43 36.2	18.5	620
1997 HT_2		1997 05 09.92876	13 17 55.10	−09 43 32.2	18.6	620
1997 HT_2		1997 05 09.96192	13 17 54.06	−09 43 22.6		620
1997 HT_2		1997 05 09.97193	13 17 53.75	−09 43 19.8	18.6	620
1997 HZ_{16}	*	1997 04 30.93212	13 23 23.56	−10 54 32.1	18.9	620
1997 HZ_{16}		1997 04 30.94925	13 23 22.59	−10 54 28.1	18.9	620
1997 HZ_{16}		1997 04 30.99282	13 23 20.11	−10 54 17.8	19.3	620
1997 HZ_{16}		1997 05 02.94427	13 21 38.48	−10 48 34.8		620
1997 HZ_{16}		1997 05 03.00017	13 21 35.44	−10 48 25.5		620
1997 HZ_{16}		1997 05 03.01319	13 21 34.73	−10 48 23.4	19.4	620
(5060)		1997 04 13.02627	13 38 30.50	−11 52 52.5	17.9	620
(5060)		1997 04 15.95336	13 35 50.43	−11 39 24.3	17.7	620
(5060)		1997 04 15.96435	13 35 49.84	−11 39 21.3	17.6	620
(5060)		1997 04 15.99063	13 35 48.41	−11 39 14.2		620
(5060)		1997 04 30.92286	13 22 59.00	−10 31 08.5	18.1	620
(5060)		1997 04 30.94144	13 22 58.10	−10 31 03.8		620
(5060)		1997 04 30.96568	13 22 56.91	−10 30 57.6		620
(5060)		1997 04 30.97743	13 22 56.34	−10 30 54.7		620
(5060)		1997 05 02.94971	13 21 26.48	−10 22 36.3		620
(5060)		1997 05 02.97853	13 21 25.11	−10 22 27.8		620
(5060)		1997 05 02.99468	13 21 24.34	−10 22 23.1		620
(6698)		1997 04 30.94925	13 23 24.94	−10 50 30.0	18.2	620
(6698)		1997 04 30.97072	13 23 23.87	−10 50 23.9		620
(6698)		1997 04 30.98293	13 23 23.26	−10 50 20.5		620
(6698)		1997 04 30.99282	13 23 22.76	−10 50 17.7	18.1	620

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

(1664)		1997 04 30.84400	11 13 20.45	+11 08 02.2	15.1 V	628
(1664)		1997 04 30.95025	11 13 22.87	+11 07 03.1	15.0 V	628
(1664)		1997 05 12.87343	11 20 18.83	+09 08 04.9	15.1 V	628
(1664)		1997 05 12.91162	11 20 20.43	+09 07 40.4	15.4 V	628
(1664)		1997 05 12.95537	11 20 22.34	+09 07 12.6	15.2 V	628
(2602)		1997 05 12.87343	11 20 38.99	+09 00 44.8	15.8 V	628
(2602)		1997 05 12.91162	11 20 39.95	+09 00 39.3	15.9 V	628
(2602)		1997 05 12.95537	11 20 41.21	+09 00 32.7	16.0 V	628
(4992)		1997 05 01.85954	12 23 59.70	−15 21 10.6	16.7 V	628
(4992)		1997 05 01.87481	12 23 59.39	−15 21 01.0	16.7 V	628
(4992)		1997 05 01.90120	12 23 58.59	−15 20 43.9	16.6 V	628

629 JATE Observatory, Szeged

L. Kiss, Pf. 596, H-6725 Szeged, Hungary [l.kiss@physx.u-szeged.hu]

Observers K. Sárneczky, L. Kiss, É. Barát

Measurers L. Kiss. K. Sárneczky

0.28-m Schmidt-Cassegrain + CCD

GSC

(2060)		1997 05 02.96904	13 43 34.26	−10 41 29.2	16.7	629
(4341)		1997 05 03.03796	17 59 10.76	+09 10 22.4	15.9	629
(4341)		1997 05 03.03924	17 59 10.41	+09 10 21.7	16.3	629
(4341)		1997 05 03.04713	17 59 08.34	+09 10 13.6	15.9	629
(4341)		1997 05 03.05053	17 59 07.51	+09 10 10.0	16.3	629
(4341)		1997 05 03.05223	17 59 07.01	+09 10 08.6	16.0	629

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

(1592)		1997 05 08.94204	17 01 19.82	−05 00 13.3	15.8 R	631
(1592)		1997 05 08.98421	17 01 18.68	−05 00 15.0	15.6 R	631
(3671)		1997 05 01.88846	14 02 32.80	+26 45 09.7	16.0 R	631
(3671)		1997 05 01.89656	14 02 31.90	+26 45 12.8	16.0 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

Measurer D. D. Balam, G. C. L. Aikman, F. Dossa

1.82-m Plaskett telescope + CCD

GSC, USNO-A1.0

1952 QW		1995 04 21.22360	06 57 26.13	+24 25 02.9		658
1952 QW		1995 04 21.22811	06 57 26.52	+24 25 02.5		658
1952 QW		1995 04 21.23854	06 57 27.60	+24 25 01.8		658
1979 UC_4		1997 05 02.26549	08 23 11.84	+21 56 54.3	19.8 R	658
1979 UC_4		1997 05 02.26830	08 23 12.09	+21 56 53.2		658
1979 UC_4		1997 05 02.27115	08 23 12.34	+21 56 51.5		658
1989 VA		1994 10 29.40041	05 57 35.63	+22 53 59.8		658
1989 VA		1994 10 29.40318	05 57 34.88	+22 53 48.5		658
1989 VA		1994 10 29.40528	05 57 34.30	+22 53 39.9		658
1990 VB		1994 10 29.47786	07 13 33.18	+25 26 55.3		658
1990 VB		1994 10 29.47993	07 13 33.19	+25 26 53.4		658
1990 VB		1994 10 29.48237	07 13 33.22	+25 26 51.2		658
1991 CS		1997 05 02.35061	11 46 34.76	+63 24 59.5		658

1991 CS	1997 05 02.35603	11 46 34.96	+63 24 56.2		658	1997 BR	1997 04 24.22983	08 34 05.73	+70 24 36.1		658
1991 CS	1997 05 02.36131	11 46 35.16	+63 24 53.4		658	1997 BR	1997 04 24.23259	08 34 05.88	+70 24 37.9		658
1993 PE	1994 10 29.52336	08 02 42.31	+19 49 05.6		658	1997 BR	1997 04 24.23538	08 34 06.05	+70 24 38.3		658
1993 PE	1994 10 29.52612	08 02 42.43	+19 49 05.1		658	1997 BR	1997 05 02.27654	08 45 55.70	+71 41 37.2		658
1993 PE	1994 10 29.52821	08 02 42.51	+19 49 04.7		658	1997 BR	1997 05 02.28003	08 45 56.05	+71 41 37.9		658
1994 LW	1994 10 29.10938	21 29 31.86	+20 28 10.7		658	1997 BR	1997 05 02.28348	08 45 56.41	+71 41 40.9		658
1994 LW	1994 10 29.11355	21 29 32.64	+20 28 06.2		658	1997 CZ_5	1997 05 02.22572	07 50 41.51	−01 15 34.1		658
1994 LW	1994 10 29.11808	21 29 33.35	+20 28 02.0		658	1997 CZ_5	1997 05 02.22897	07 50 41.97	−01 15 35.9		658
1994 LX	1995 04 06.21037	04 13 11.03	+60 40 26.7		658	1997 CZ_5	1997 05 02.23095	07 50 42.23	−01 15 36.9		658
1994 LX	1995 04 06.21446	04 13 12.35	+60 40 38.5		658	1997 DF	1997 04 22.24281	09 28 20.75	+28 48 24.9		658
1994 LX	1995 04 06.21933	04 13 13.94	+60 40 52.5		658	1997 DF	1997 04 22.24767	09 28 21.17	+28 48 24.1		658
1994 LX	1995 04 21.20623	06 02 58.46	+69 59 18.2		658	1997 DF	1997 04 22.25250	09 28 21.67	+28 48 23.4		658
1994 LX	1995 04 21.20867	06 02 59.83	+69 59 21.6		658	1997 EE_{23}	1997 04 27.31152	13 04 03.03	+06 45 11.7		658
1994 LX	1995 04 21.21213	06 03 01.82	+69 59 26.4		658	1997 EE_{23}	1997 04 27.31694	13 04 02.76	+06 45 11.7		658
1994 LX	1995 04 21.21664	06 03 04.40	+69 59 32.6		658	1997 EE_{23}	1997 04 27.32091	13 04 02.59	+06 45 11.7		658
1994 LC_1	1994 10 29.18681	23 23 37.77	−02 20 31.9		658	1997 FG	1997 04 27.44984	14 47 04.59	+08 09 00.3		658
1994 LC_1	1994 10 29.18889	23 23 37.86	−02 20 28.6		658	1997 FG	1997 04 27.45539	14 47 04.44	+08 08 57.9		658
1994 LC_1	1994 10 29.23821	23 23 40.42	−02 19 11.9		658	1997 FG	1997 04 27.46309	14 47 04.00	+08 09 01.9		658
1994 QC	1997 04 21.36385	16 49 51.53	+28 00 39.0		658	1997 FM	1997 04 27.43216	14 46 33.79	+07 28 38.9		658
1994 QC	1997 04 21.36663	16 49 51.75	+28 00 46.0		658	1997 FM	1997 04 27.43766	14 46 33.46	+07 28 40.2		658
1994 QC	1997 04 21.36940	16 49 51.97	+28 00 52.5		658	1997 FM	1997 04 27.44508	14 46 33.12	+07 28 42.0		658
1994 RH	1994 10 29.12398	21 32 14.63	+11 34 57.8		658	1997 FW	1997 04 27.30024	12 59 32.06	+05 57 09.8		658
1994 RH	1994 10 29.12676	21 32 14.66	+11 34 59.5		658	1997 FW	1997 04 27.30338	12 59 31.92	+05 57 09.2		658
1994 RH	1994 10 29.12954	21 32 14.73	+11 35 01.6		658	1997 FW	1997 04 27.30834	12 59 31.71	+05 57 09.0		658
1994 RH	1995 04 21.24791	06 58 38.21	+27 00 40.5		658	1997 FC_1	1997 04 27.28913	12 59 29.76	+07 04 09.2		658
1994 RH	1995 04 21.25138	06 58 38.86	+27 00 36.8		658	1997 FC_1	1997 04 27.29339	12 59 29.58	+07 04 09.6		658
1994 RH	1995 04 21.25660	06 58 39.77	+27 00 32.1		658	1997 FC_1	1997 04 27.29655	12 59 29.42	+07 04 10.7		658
1994 TW_1	1995 04 06.23356	07 09 17.00	+52 23 31.1		658	1997 GN	1997 04 19.31741	12 54 31.96	−02 24 09.5	17.5 R	658
1994 TW_1	1995 04 06.23600	07 09 17.72	+52 23 25.6		658	1997 GN	1997 04 19.31994	12 54 31.83	−02 24 05.9	17.5 R	658
1994 TW_1	1995 04 06.23807	07 09 18.26	+52 23 21.1		658	1997 GN	1997 04 19.32230	12 54 31.73	−02 24 03.3	17.5 R	658
1994 TW_1	1995 04 21.28542	08 07 43.91	+43 26 55.0		658	1997 GN	1997 04 27.26622	12 49 15.72	+00 14 13.8		658
1994 TW_1	1995 04 21.28889	08 07 44.60	+43 26 47.4		658	1997 GN	1997 04 27.26897	12 49 15.59	+00 14 16.7		658
1994 TW_1	1995 04 21.29170	08 07 45.16	+43 26 41.2		658	1997 GN	1997 04 27.27131	12 49 15.52	+00 14 19.0		658
1994 TL_3	1994 10 29.25348	03 23 14.93	+17 44 58.7		658	1997 GP_1	1997 04 22.28979	10 43 59.59	+14 06 10.0		658
1994 TL_3	1994 10 29.27259	03 23 13.97	+17 44 47.0		658	1997 GP_1	1997 04 22.29619	10 43 59.54	+14 06 11.0		658
1994 TL_3	1994 10 29.27468	03 23 13.86	+17 44 45.9		658	1997 GP_1	1997 04 22.30997	10 43 59.52	+14 06 14.3		658
1994 TL_3	1994 10 29.27817	03 23 13.67	+17 44 43.7		658	1997 GP_1	1997 04 24.29203	10 44 02.31	+14 12 31.9		658
1996 TE_{11}	1997 04 22.19281	08 10 25.25	+09 07 37.4		658	1997 GP_1	1997 04 24.29920	10 44 02.31	+14 12 32.2		658
1996 TE_{11}	1997 04 22.19628	08 10 25.66	+09 07 40.2		658	1997 GP_1	1997 04 24.30549	10 44 02.31	+14 12 33.9		658
1996 TE_{11}	1997 04 22.19972	08 10 26.13	+09 07 42.1		658	1997 GB_2	1997 04 24.27921	11 46 52.83	−04 09 54.0		658
1996 TE_{11}	1997 04 24.22279	08 15 00.85	+09 26 17.8		658	1997 GB_2	1997 04 24.28267	11 46 52.78	−04 09 56.0		658
1996 TE_{11}	1997 04 24.22417	08 15 01.09	+09 26 18.4		658	1997 GF_3	1997 04 24.34132	13 16 59.67	+11 11 08.8		658
1996 TE_{11}	1997 04 24.22556	08 15 01.19	+09 26 19.2		658	1997 GF_3	1997 04 24.34306	13 16 59.48	+11 11 12.1		658
1996 XS_{23}	1997 05 02.23826	07 51 46.17	+46 18 45.2		658	1997 GF_3	1997 04 24.34649	13 16 59.34	+11 11 20.4		658
1996 XS_{23}	1997 05 02.24141	07 51 46.59	+46 18 43.0		658	1997 GH_3	1997 04 19.25455	09 16 33.92	+17 16 06.6	16.5 R	658
1996 XS_{23}	1997 05 02.24456	07 51 47.07	+46 18 39.5		658	1997 GH_3	1997 04 19.25558	09 16 34.32	+17 16 05.3	16.5 R	658
1997 AB_{15}	1997 04 21.21186	07 52 49.73	+56 39 22.8		658	1997 GH_3	1997 04 19.25661	09 16 34.69	+17 16 03.9	16.5 R	658
1997 AB_{15}	1997 04 21.21810	07 52 50.82	+56 39 23.9		658	1997 GH_3	1997 04 19.25765	09 16 35.13	+17 16 03.0	16.5 R	658
1997 AB_{15}	1997 04 21.22433	07 52 52.22	+56 39 23.7		658	1997 GH_3	1997 04 19.25869	09 16 35.53	+17 16 01.7	16.5 R	658
1997 BR	1997 04 21.22993	08 30 16.70	+69 56 31.8		658	1997 GH_3	1997 04 21.26631	09 30 05.24	+16 36 25.7		658
1997 BR	1997 04 21.23269	08 30 16.87	+69 56 32.7		658	1997 GH_3	1997 04 21.26735	09 30 05.69	+16 36 24.4		658
1997 BR	1997 04 21.23950	08 30 17.31	+69 56 36.3		658	1997 GH_3	1997 04 21.26838	09 30 06.06	+16 36 23.3		658

1997 GH_3	1997 05 02.32029	10 38 40.16	+12 13 53.9		658	1997 GD_{32}	1997 04 21.35499	15 04 20.49	+05 56 37.5		658
1997 GH_3	1997 05 02.32284	10 38 41.05	+12 13 50.1		658	1997 GD_{32}	1997 04 22.37436	15 10 25.52	+06 23 40.3		658
1997 GH_3	1997 05 02.32661	10 38 42.26	+12 13 43.8		658	1997 GD_{32}	1997 04 22.37541	15 10 25.91	+06 23 41.8		658
1997 GL_3	1997 05 02.37950	13 10 24.12	+00 05 16.6		658	1997 GD_{32}	1997 04 22.38605	15 10 29.82	+06 24 00.0		658
1997 GL_3	1997 05 02.38580	13 10 23.98	+00 05 16.7		658	1997 GD_{32}	1997 04 24.39140	15 26 00.59	+07 29 32.6		658
1997 GL_3	1997 05 02.39284	13 10 23.82	+00 05 16.9		658	1997 GD_{32}	1997 04 24.39278	15 26 01.36	+07 29 36.3		658
1997 GO_{27}	1997 04 19.36745	14 26 12.63	+07 25 09.9	18.5 R	658	1997 GD_{32}	1997 04 24.39417	15 26 02.05	+07 29 38.6		658
1997 GO_{27}	1997 04 19.37105	14 26 12.46	+07 25 18.1	18.6 R	658	1997 GD_{32}	1997 04 27.38657	16 04 24.49	+09 55 27.1		658
1997 GO_{27}	1997 04 19.37766	14 26 11.99	+07 25 34.3	18.6 R	658	1997 GD_{32}	1997 04 27.38727	16 04 25.21	+09 55 29.8		658
1997 GO_{27}	1997 04 21.48141	14 24 09.89	+08 44 49.9		658	1997 GD_{32}	1997 04 27.38796	16 04 25.91	+09 55 32.4		658
1997 GO_{27}	1997 04 21.48269	14 24 09.74	+08 44 53.2		658	1997 JC	1997 05 02.42201	14 35 59.47	−12 59 49.1		658
1997 GO_{27}	1997 04 21.48395	14 24 09.61	+08 44 56.2		658	1997 JC	1997 05 02.42781	14 35 58.72	−12 59 53.1		658
1997 GO_{27}	1997 04 24.35167	14 21 18.57	+10 29 17.9		658	1997 JC	1997 05 02.43330	14 35 58.15	−12 59 56.3		658
1997 GO_{27}	1997 04 24.35398	14 21 18.41	+10 29 23.0		658	(1515)	1995 04 21.29618	08 13 59.89	+31 34 26.6		658
1997 GO_{27}	1997 04 24.35647	14 21 18.20	+10 29 28.6		658	(1515)	1995 04 21.30209	08 14 00.29	+31 34 24.1		658
1997 GO_{27}	1997 04 27.27735	14 18 20.12	+12 10 18.7		658	(1515)	1995 04 21.30557	08 14 00.51	+31 34 22.5		658
1997 GO_{27}	1997 04 27.28012	14 18 19.96	+12 10 24.1		658	(2485)	1995 04 21.42747	12 35 36.01	+00 24 56.9		658
1997 GO_{27}	1997 04 27.28291	14 18 19.80	+12 10 29.3		658	(2485)	1995 04 21.43477	12 35 35.69	+00 24 58.2		658
1997 GQ_{27}	1997 04 27.32546	14 37 07.51	+06 06 30.4		658	(3122)	1995 04 21.32814	10 20 47.13	−01 57 26.8		658
1997 GQ_{27}	1997 04 27.32867	14 37 07.39	+06 06 31.9		658	(3122)	1995 04 21.33369	10 20 46.99	−01 57 26.5		658
1997 GQ_{27}	1997 04 27.33053	14 37 07.25	+06 06 31.7		658	(3122)	1995 04 21.33716	10 20 46.90	−01 57 26.2		658
1997 GX_{27}	1997 04 24.31763	11 52 56.79	+31 23 17.2		658	(4098)	1995 04 21.40280	13 15 10.43	−03 30 30.1		658
1997 GX_{27}	1997 04 24.31866	11 52 56.80	+31 23 14.0		658	(4098)	1995 04 21.40594	13 15 10.29	−03 30 29.3		658
1997 GX_{27}	1997 04 24.32516	11 52 56.24	+31 22 56.0		658	(4098)	1995 04 21.40872	13 15 10.18	−03 30 28.6		658
1997 GX_{27}	1997 05 02.33220	11 46 10.30	+24 58 46.6		658	(4179)	1997 05 02.29123	09 10 47.16	+16 35 17.5		658
1997 GX_{27}	1997 05 02.33427	11 46 10.29	+24 58 41.4		658	(4179)	1997 05 02.29855	09 10 47.66	+16 35 15.3		658
1997 GX_{27}	1997 05 02.34507	11 46 09.89	+24 58 09.5		658	(4179)	1997 05 02.30337	09 10 48.06	+16 35 13.3		658
1997 GH_{28}	1997 04 22.20522	10 34 27.07	+05 58 35.5		658	(4179)	1997 05 02.30753	09 10 48.38	+16 35 11.6		658
1997 GH_{28}	1997 04 22.21490	10 34 27.48	+05 58 29.0		658	(4183)	1994 10 29.28370	00 28 10.42	+14 26 45.8		658
1997 GH_{28}	1997 04 22.21852	10 34 27.57	+05 58 27.6		658	(4183)	1994 10 29.28613	00 28 10.25	+14 26 44.4		658
1997 GH_{28}	1997 04 22.22253	10 34 27.76	+05 58 24.8		658	(4183)	1994 10 29.29066	00 28 09.94	+14 26 41.9		658
1997 GH_{28}	1997 04 24.25832	10 36 05.08	+05 39 23.1		658	(4450)	1994 10 29.29794	00 37 13.43	+16 34 59.8		658
1997 GH_{28}	1997 04 24.26317	10 36 05.25	+05 39 20.2		658	(4450)	1994 10 29.29969	00 37 13.22	+16 34 58.4		658
1997 GP_{28}	1997 04 27.39297	14 27 44.98	+05 05 54.9		658	(4957)	1994 10 29.50182	07 05 06.67	+46 38 34.1		658
1997 GP_{28}	1997 04 27.39708	14 27 44.87	+05 05 55.4		658	(4957)	1994 10 29.50390	07 05 06.57	+46 38 30.2		658
1997 GP_{28}	1997 04 27.40742	14 27 44.38	+05 05 57.9		658	(4957)	1994 10 29.50598	07 05 06.47	+46 38 26.6		658
1997 GW_{30}	1997 04 07.37669	12 01 21.98	−00 20 31.0	15.9 R	658	(5587)	1994 10 29.32606	03 52 11.85	+02 13 55.8		658
1997 GW_{30}	1997 04 07.38161	12 01 21.80	−00 20 28.7	15.7 R	658	(5587)	1994 10 29.33094	03 52 11.53	+02 13 52.9		658
1997 GC_{32}	1997 04 21.47031	17 17 01.09	−09 45 20.6		658	(5587)	1994 10 29.33510	03 52 11.28	+02 13 50.5		658
1997 GC_{32}	1997 04 21.47309	17 17 01.59	−09 45 16.9		658	(5751)	1994 10 29.42263	05 54 48.58	−02 49 34.9		658
1997 GC_{32}	1997 04 21.47583	17 17 02.14	−09 45 13.3		658	(5751)	1994 10 29.42472	05 54 48.67	−02 49 36.2		658
1997 GC_{32}	1997 04 22.46854	17 20 16.06	−09 22 38.3		658	(5751)	1994 10 29.42961	05 54 48.88	−02 49 38.6		658
1997 GC_{32}	1997 04 22.47406	17 20 17.18	−09 22 30.4		658	(6322)	1995 04 06.27271	09 08 58.18	+11 12 39.7		658
1997 GC_{32}	1997 04 22.47567	17 20 17.46	−09 22 28.1		658	(6322)	1995 04 06.27586	09 08 58.59	+11 12 44.4		658
1997 GC_{32}	1997 05 02.46988	18 02 06.98	−03 56 43.8		658	(6322)	1995 04 06.27897	09 08 58.99	+11 12 49.3		658
1997 GC_{32}	1997 05 02.47194	18 02 07.62	−03 56 38.5		658	(6354)	1995 04 21.48824	16 50 43.58	−15 00 28.8		658
1997 GC_{32}	1997 05 02.47416	18 02 08.35	−03 56 32.9		658	(6354)	1995 04 21.49520	16 50 43.32	−15 00 31.1		658
1997 GD_{32}	1997 04 19.38272	14 54 50.71	+05 12 39.9	18.0 R	658	(6354)	1995 04 21.50041	16 50 43.14	−15 00 32.8		658
1997 GD_{32}	1997 04 19.38484	14 54 51.33	+05 12 42.6	18.0 R	658	(6454)	1995 04 21.45699	15 49 39.39	−04 17 20.0		658
1997 GD_{32}	1997 04 19.38685	14 54 51.76	+05 12 44.5	18.0 R	658	(6454)	1995 04 21.45977	15 49 39.25	−04 17 20.1		658
1997 GD_{32}	1997 04 21.35293	15 04 19.86	+05 56 34.2		658	(6454)	1995 04 21.46255	15 49 39.11	−04 17 20.2		658
1997 GD_{32}	1997 04 21.35395	15 04 20.17	+05 56 36.4		658	(6455)	1995 04 21.34237	10 48 58.87	+43 05 34.2		658

(6455)	1995 04 21.34516	10 48 58.67	+43 05 31.3		658
(6455)	1995 04 21.34759	10 48 58.50	+43 05 28.8		658
(6489)	1995 04 21.39030	13 59 55.52	−12 33 53.0		658
(6489)	1995 04 21.39273	13 59 55.50	−12 33 51.8		658
(6489)	1995 04 21.39655	13 59 55.48	−12 33 50.0		658
(6489)	1995 04 21.39865	13 59 55.47	−12 33 49.1		658
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(6532)	1995 04 21.26527	07 02 01.77	+24 07 52.0		658
(6532)	1995 04 21.26874	07 02 01.96	+24 07 51.5		658
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(6569)	1995 04 21.44137	14 36 54.85	+47 17 42.2		658
(6569)	1995 04 21.44310	14 36 54.73	+47 17 43.1		658
(6569)	1995 04 21.44519	14 36 54.57	+47 17 43.7		658
(6886)	1995 04 21.19722	05 46 32.85	+24 57 38.2		658
(6886)	1995 04 21.19928	05 46 33.08	+24 57 38.5		658
(6886)	1995 04 21.20137	05 46 33.35	+24 57 39.0		658
(6941)	1994 10 29.15036	22 08 54.37	+08 38 59.3		658
(6941)	1994 10 29.15525	22 08 54.44	+08 38 57.2		658
(6941)	1994 10 29.15941	22 08 54.50	+08 38 55.5		658
(7000)	1995 04 06.28367	09 51 59.86	+26 30 51.6		658
(7000)	1995 04 06.29025	09 51 59.76	+26 30 50.2		658
(7000)	1995 04 06.29685	09 51 59.65	+26 30 48.9		658
(7042)	1994 10 29.48722	07 42 52.42	+20 56 28.7		658
(7042)	1994 10 29.48965	07 42 52.53	+20 56 28.3		658
(7042)	1994 10 29.49594	07 42 52.79	+20 56 27.2		658
(7150)	1995 04 21.31389	09 00 00.88	+20 56 02.2		658
(7150)	1995 04 21.31911	09 00 01.02	+20 56 01.2		658
(7150)	1995 04 21.32362	09 00 01.13	+20 56 00.2		658
(7437)	1997 05 02.26549	08 23 08.50	+21 51 58.5	18.9 R	658
(7437)	1997 05 02.26830	08 23 08.73	+21 51 57.8		658
(7437)	1997 05 02.27115	08 23 08.98	+21 51 57.0		658
(7474)	1994 10 29.41394	05 54 31.91	+02 50 53.5		658
(7474)	1994 10 29.41810	05 54 31.90	+02 50 57.7		658

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Measurers J. Hlavec (6), 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)

1955 UN_1	1990 03 27.39722	13 12 37.64	−05 40 21.5	18.2	9 675
1955 UN_1	1990 03 27.42865	13 12 35.69	−05 40 15.7		9 675
1955 UN_1	1990 04 22.33785	12 46 14.40	−04 22 23.2	18.2	9 675
1969 TT_1	1990 03 27.39722	13 15 19.79	−07 12 32.3		9 675
1969 TT_1	1990 03 27.42865	13 15 18.13	−07 12 24.5	18.8	9 675
1971 UD_1	1993 04 17.35868	14 36 20.65	−12 48 29.4	18.5	9 675
1971 UD_1	1993 04 17.38889	14 36 18.82	−12 48 21.3		9 675
1971 UD_1	1993 05 24.24601	14 01 30.41	−10 09 18.7		9 675
1971 UD_1	1993 05 24.27969	14 01 29.01	−10 09 11.6		9 675
1975 SA_1	1993 01 28.40920	09 13 36.82	+31 34 41.7		9 675
1975 SA_1	1993 01 28.44931	09 13 34.48	+31 34 51.4		9 675
1975 UE	1993 03 23.46667	14 36 26.11	−13 45 24.4		9 675
1975 UE	1993 03 23.50885	14 36 25.13	−13 45 17.1	18.5	9 675
1975 UE	1993 03 24.45347	14 36 03.70	−13 42 22.0	18.5	9 675
1975 UE	1993 03 24.48438	14 36 02.95	−13 42 18.7		9 675
1975 UE	1993 05 24.24601	13 48 17.03	−08 40 13.6		9 675
1975 UE	1993 05 24.27969	13 48 15.85	−08 40 07.0	18.2	9 675
1976 GD_2	1991 12 02.24253	04 35 09.78	+11 59 42.3	17.8	9 675
1976 GD_2	1991 12 02.27569	04 35 07.58	+11 59 31.9		9 675
1976 QL_2	1988 10 13.43976	01 33 06.94	+05 56 38.1	17.0	9 675
1976 QL_2	1988 10 13.47396	01 33 05.18	+05 56 35.3		9 675
1976 SS_2	1993 03 24.45347	14 14 55.09	−13 50 35.9		9 675
1976 SS_2	1993 03 24.48438	14 14 53.95	−13 50 32.1		9 675
1976 UG_2	1990 04 22.33785	12 54 30.81	−08 50 57.2	18.0	9 675
1977 QK_1	1988 10 13.43976	01 09 24.83	+09 57 31.7	15.8	9 675
1977 QK_1	1988 10 13.47396	01 09 22.98	+09 57 23.7		9 675
1977 UM_4	1988 10 13.43976	01 35 51.41	+10 16 20.9	16.0	9 675
1977 UM_4	1988 10 13.47396	01 35 49.32	+10 16 13.3		9 675
1978 SE_5	1993 03 23.50885	14 31 20.41	−14 14 29.9		9 675
1978 SE_5	1993 03 24.48438	14 30 57.50	−14 09 20.7		9 675
1978 SE_5	1993 05 24.24601	13 48 47.60	−07 07 53.4	17.8	9 675
1978 SE_5	1993 05 24.27969	13 48 46.70	−07 07 44.4		9 675
1978 SP_5	1990 03 27.39722	13 23 04.47	−07 37 10.1	18.2	9 675
1978 SP_5	1990 03 27.42865	13 23 03.00	−07 37 00.2		9 675
1978 SP_5	1990 04 22.30573	13 03 11.31	−05 07 41.9		9 675
1978 SP_5	1990 04 22.33785	13 03 09.88	−05 07 30.5	18.2	9 675
1978 SD_7	1988 10 13.43976	01 06 50.83	+09 32 02.1	16.5	9 675
1978 SD_7	1988 10 13.47396	01 06 48.92	+09 31 43.4		9 675
1978 UP_2	1990 04 22.33785	13 06 25.79	−03 47 51.7	17.2	9 675
1978 UN_5	1994 09 11.31667	23 02 02.13	−11 10 35.6		9 675
1978 UN_5	1994 09 11.34826	23 02 00.32	−11 10 35.9		9 675
1978 UN_5	1994 09 30.21024	22 48 30.73	−10 54 29.6	18.0	9 675
1978 UN_5	1994 09 30.24271	22 48 29.75	−10 54 24.8		9 675
1978 VO_8	1988 10 13.47396	01 21 32.13	+04 41 27.2	18.0	9 675
1978 VE_{10}	1994 09 12.34236	23 17 04.30	−07 44 39.7	17.8	9 675
1978 VE_{10}	1994 09 12.37344	23 17 02.76	−07 44 47.6		9 675
1978 VE_{10}	1994 10 01.18490	23 04 33.64	−08 49 31.6	18.2	9 675
1978 VE_{10}	1994 10 01.21406	23 04 32.60	−08 49 34.7		9 675
1979 MZ_6	1993 05 24.24601	13 42 18.91	−13 33 03.5		9 675
1979 MZ_6	1993 05 24.27969	13 42 17.68	−13 32 54.1	18.8	9 675
1980 GB	1991 09 16.27778	22 07 05.90	−23 09 59.8		9 675
1980 GB	1991 09 16.32431	22 07 03.80	−23 10 10.4	18.8	9 675
1981 EQ	1994 09 12.34236	23 25 30.46	−10 41 57.8	18.0	9 675
1981 EQ	1994 09 12.37344	23 25 28.86	−10 42 02.4		9 675

1981 EQ	1994 10 01.18490	23 11 04.49	−11 12 37.5	18.8	9	675
1981 EQ	1994 10 01.21406	23 11 03.39	−11 12 39.6		9	675
1981 EB_{17}	1994 09 30.21024	22 45 12.72	−06 50 18.7	18.2	9	675
1981 EB_{17}	1994 09 30.24271	22 45 11.25	−06 50 24.9		9	675
1981 EV_{22}	1988 11 06.44531	02 57 05.12	+11 40 48.5	16.8	9	675
1981 EV_{22}	1988 11 06.47760	02 57 03.46	+11 40 38.6		9	675
1981 EF_{24}	1994 09 12.34236	23 35 42.74	−07 19 46.2		9	675
1981 EF_{24}	1994 09 12.37344	23 35 41.12	−07 19 52.9		9	675
1981 EP_{30}	1994 09 30.21024	22 38 23.05	−04 54 05.2	18.5	9	675
1981 EP_{30}	1994 09 30.24271	22 38 22.10	−04 54 25.1		9	675
1981 QR_3	1964 08 08.30625	20 26 40.91	−37 53 32.8	17.0	6	675
1981 UW_{21}	1988 03 18.39340	12 22 01.05	+04 54 14.3	17.2	9	675
1981 US_{22}	1988 11 06.44531	03 23 16.80	+12 16 35.6	17.0	9	675
1981 US_{22}	1988 11 06.47760	03 23 14.61	+12 16 34.8		9	675
1981 VL	1988 10 13.43976	01 10 58.97	+06 50 45.8	16.5	9	675
1981 VL	1988 10 13.47396	01 10 56.97	+06 50 40.3		9	675
1982 QO	1991 04 16.42830	14 12 38.59	−01 49 59.6	18.5	9	675
1982 QO	1991 04 16.47118	14 12 36.68	−01 49 44.3		9	675
1982 VD_5	1994 04 04.27378	12 03 19.61	−04 15 21.6	18.5	9	675
1982 VD_5	1994 04 04.31667	12 03 17.17	−04 15 02.9		9	675
1983 CQ_2	1989 05 07.29948	14 20 09.58	−14 00 03.5	17.8	9	675
1983 CQ_2	1989 05 07.33403	14 20 07.89	−13 59 55.7		9	675
1983 CQ_2	1991 09 17.45938	00 30 46.24	+03 22 13.4	17.8	9	675
1983 CQ_2	1994 04 04.27378	12 04 04.01	−00 29 39.7	17.2	9	675
1983 CQ_2	1994 04 04.31667	12 04 02.18	−00 29 29.9		9	675
1983 RR_2	1994 09 11.31667	23 15 05.49	−10 34 38.6	16.2	9	675
1983 RR_2	1994 09 11.34826	23 15 03.43	−10 34 41.4		9	675
1983 RR_2	1994 09 12.34236	23 14 01.68	−10 36 14.4		9	675
1983 RR_2	1994 09 12.37344	23 13 59.71	−10 36 17.5		9	675
1983 RR_2	1994 09 30.21024	22 57 41.39	−10 42 43.8		9	675
1983 RR_2	1994 09 30.24271	22 57 39.90	−10 42 42.5		9	675
1983 RR_2	1994 10 01.18490	22 56 59.30	−10 41 45.1	16.8	9	675
1983 RR_2	1994 10 01.21406	22 56 57.94	−10 41 42.8		9	675
1983 TU_1	1964 08 08.30625	20 52 49.63	−33 13 40.1	17.2	6	675
1984 BS	1991 04 16.42830	14 19 50.23	−02 29 12.0		9	675
1984 BS	1991 04 16.47118	14 19 47.46	−02 28 57.6		9	675
1984 CM	1993 03 24.45347	14 07 51.38	−11 56 27.0		9	675
1984 DN	1994 09 12.34236	23 36 37.23	−06 33 50.6		9	675
1984 DN	1994 09 12.37344	23 36 35.60	−06 34 03.9	18.2	9	675
1984 HO_1	1988 10 13.43976	01 11 57.95	+07 15 10.9	18.0	9	675
1984 HO_1	1988 10 13.47396	01 11 55.71	+07 15 01.7		9	675
1984 SZ_5	1991 09 17.40885	00 24 22.19	−01 35 31.4		9	675
1984 SZ_5	1991 09 17.45938	00 24 18.71	−01 35 35.3		9	675
1984 SC_6	1988 11 06.44531	03 09 37.18	+13 13 46.2	17.8	9	675
1984 SC_6	1988 11 06.47760	03 09 35.00	+13 13 40.4		9	675
1984 UX	1994 04 04.27378	11 53 00.58	+02 13 35.8	18.8	9	675
1984 UX	1994 04 04.31667	11 52 58.36	+02 13 44.4		9	675
1985 PX	1991 04 16.42830	14 07 10.40	−03 32 20.0	17.2	9	675
1985 PX	1991 04 16.47118	14 07 07.90	−03 32 00.1		9	675
1985 PX	1991 05 15.24861	13 41 24.96	−00 39 54.6	17.5	9	675
1985 PX	1991 05 15.28073	13 41 23.56	−00 39 48.5		9	675
1985 RQ_3	1994 09 30.21024	22 58 43.03	−10 17 13.4		9	675
1985 RQ_3	1994 09 30.24271	22 58 42.02	−10 17 27.7		9	675
1985 RQ_3	1994 10 01.18490	22 58 17.30	−10 24 20.4	17.8	9	675
1985 RQ_3	1994 10 01.21406	22 58 16.48	−10 24 31.7		9	675
1985 RR_3	1991 12 02.27569	04 23 33.79	+05 50 03.0		9	675
1985 UC	1988 03 18.39340	12 27 20.03	+01 18 49.4		9	675
1986 QH_3	1994 09 11.31667	23 01 01.13	−13 42 44.9	17.5	9	675
1986 QH_3	1994 09 11.34826	23 00 59.50	−13 42 59.4		9	675
1986 TT_6	1992 04 04.39444	15 07 59.13	−30 40 37.5	17.5	9	675
1986 TT_6	1992 04 04.42951	15 07 58.38	−30 40 32.5		9	675
1986 TT_{11}	1994 09 11.31667	23 21 27.89	−13 11 40.4	16.2	9	675
1986 TT_{11}	1994 09 11.34826	23 21 25.64	−13 11 33.8		9	675
1986 TT_{11}	1994 09 12.34236	23 20 17.32	−13 08 02.8	16.0	9	675
1986 TT_{11}	1994 09 12.37344	23 20 15.08	−13 07 56.3		9	675
1986 TT_{11}	1994 10 01.18490	23 01 03.44	−11 35 00.0	16.8	9	675
1986 TT_{11}	1994 10 01.21406	23 01 01.94	−11 34 48.5		9	675
1987 DK_6	1988 10 13.43976	01 19 06.37	+12 12 25.2	18.0	9	675
1987 DK_6	1988 10 13.47396	01 19 04.13	+12 12 13.1		9	675
1987 DM_6	1994 04 04.27378	12 12 58.95	−01 54 32.1	17.5	9	675
1987 DM_6	1994 04 04.31667	12 12 56.67	−01 54 12.0		9	675
1987 DW_6	1993 03 23.46667	14 54 29.70	−17 01 37.3		9	675
1987 DW_6	1993 03 23.50885	14 54 29.04	−17 01 36.0	17.5	9	675
1987 SJ_3	1992 04 04.39444	14 42 59.89	−30 14 27.3	17.2	9	675
1987 SJ_3	1992 04 04.42951	14 42 57.23	−30 14 56.6		9	675
1987 SH_4	1990 03 27.39722	13 07 45.71	−05 27 20.2	18.0	9	675
1987 SH_4	1990 03 27.42865	13 07 43.93	−05 27 15.3		9	675
1987 SH_4	1990 04 22.33785	12 42 22.14	−04 40 58.1	18.2	9	675
1987 ST_{11}	1993 03 24.45347	14 25 54.95	−11 20 27.4		9	675
1987 WJ_1	1990 03 27.39722	13 29 21.56	−06 40 25.5		9	675
1987 WJ_1	1990 03 27.42865	13 29 20.34	−06 40 20.0		9	675
1988 BY_3	1994 10 01.18490	23 08 53.53	−07 30 21.0	18.5	9	675
1988 EA_1	1988 03 18.39340	12 09 03.24	+04 55 50.9	17.8	9	675
1988 EA_1	1988 03 18.42309	12 09 01.89	+04 56 13.1		9	675
1988 EB_1	1988 03 18.39340	12 08 10.42	+04 25 52.5		9	675
1988 EB_1	1988 03 18.42309	12 08 08.76	+04 26 00.5	17.5	9	675
1988 ER_1	1988 03 18.39340	12 09 53.41	+05 23 59.2		9	675
1988 ER_1	1988 03 18.42309	12 09 51.44	+05 24 05.2	17.0	9	675
1988 FB	1988 03 18.39340	12 17 41.35	+01 48 04.1	16.5	9	675
1988 FB	1988 03 18.42309	12 17 39.64	+01 48 11.9		9	675
1988 QZ	1988 09 11.37943	23 48 38.23	+09 54 40.0		9	675
1988 QZ	1988 10 08.22691	23 22 27.19	+14 31 14.9		9	675
1988 QZ	1988 10 08.26771	23 22 25.45	+14 31 30.3		9	675
1988 QZ	1988 11 07.17465	23 23 38.83	+16 31 30.0	18.2	9	675
1988 QZ	1988 11 07.21042	23 23 40.09	+16 31 37.7		9	675
1988 RB_1	1988 09 11.29271	23 25 29.74	+08 42 45.0	17.8	9	675
1988 RB_1	1988 09 11.32726	23 25 27.63	+08 42 34.5		9	675
1988 RD_1	1988 09 11.29271	23 30 13.83	+06 18 17.8	16.5	9	675
1988 RD_1	1988 09 11.32726	23 30 11.94	+06 18 14.4		9	675
1988 RE_1	1988 09 11.29271	23 32 04.75	+07 33 17.4	17.2	9	675
1988 RE_1	1988 09 11.32726	23 32 03.13	+07 32 55.0		9	675
1988 RE_1	1988 09 11.34566	23 32 02.32	+07 32 44.9	17.2	9	675
1988 RE_1	1988 09 11.37943	23 32 00.73	+07 32 22.0		9	675
1988 RM_2	1988 09 11.34566	23 58 58.80	+11 25 48.2	17.0	9	675

1988 RM_2	1988 09 11.37943	23 58 56.92	+11 25 44.2		9	675
1988 RN_2	1988 09 11.34566	23 59 15.49	+09 57 40.1	18.0	9	675
1988 RN_2	1988 09 11.37943	23 59 13.84	+09 57 30.5		9	675
1988 RO_2	1988 09 11.34566	23 59 16.32	+10 41 26.9	17.8	9	675
1988 RO_2	1988 09 11.37943	23 59 14.53	+10 41 25.1		9	675
1988 RX_2	1988 10 13.43976	01 23 52.83	+08 07 57.2	17.5	9	675
1988 RX_2	1988 10 13.47396	01 23 51.04	+08 07 46.3		9	675
1988 RY_2	1988 10 13.43976	01 27 18.17	+05 58 07.1	17.5	9	675
1988 RY_2	1988 10 13.47396	01 27 16.65	+05 57 52.8		9	675
1988 RZ_2	1988 10 13.43976	01 18 18.11	+09 25 51.7	18.0	9	675
1988 RZ_2	1988 10 13.47396	01 18 16.15	+09 25 42.3	18.5	9	675
1988 RC_7	1994 04 04.27378	12 10 21.95	+01 38 19.4		9	675
1988 RC_7	1994 04 04.31667	12 10 19.81	+01 38 37.7		9	675
1988 RV_{11}	1994 04 04.27378	12 02 35.17	+01 51 20.2		9	675
1988 RV_{11}	1994 04 04.31667	12 02 32.81	+01 51 39.1		9	675
1988 TA	1988 10 13.43976	01 26 57.33	+06 31 10.3	17.2	9	675
1988 TA	1988 10 13.47396	01 26 55.18	+06 30 27.8		9	675
1988 TG	1988 10 13.47396	01 10 55.72	+11 52 24.5		9	675
1988 TN	1988 10 13.43976	01 22 56.74	+10 18 30.8	17.0	9	675
1988 TN	1994 04 04.27378	12 02 41.95	+00 52 27.3	17.5	9	675
1988 TN	1994 04 04.31667	12 02 39.65	+00 52 35.5		9	675
1988 TU	1988 10 13.43976	01 12 41.36	+10 29 01.6	16.5	9	675
1988 TU	1988 10 13.47396	01 12 39.66	+10 28 45.3		9	675
1988 TV	1988 10 13.43976	01 13 26.24	+09 43 25.9	16.8	9	675
1988 TV	1988 10 13.47396	01 13 24.62	+09 43 04.5		9	675
1988 TX	1988 10 13.43976	01 23 04.77	+10 12 59.0	16.8	9	675
1988 TX	1988 10 13.47396	01 23 03.35	+10 12 33.8		9	675
1988 TY	1988 10 13.43976	01 25 01.18	+10 23 59.7	17.5	9	675
1988 TY	1988 10 13.47396	01 24 59.02	+10 23 58.9		9	675
1988 TZ	1988 10 13.43976	01 26 08.70	+09 34 42.8	17.0	9	675
1988 TZ	1988 10 13.47396	01 26 06.51	+09 34 35.1		9	675
1988 TZ	1990 03 27.39722	13 30 26.06	−09 20 49.2	18.5	9	675
1988 TZ	1990 03 27.42865	13 30 24.26	−09 20 40.2		9	675
1988 TZ	1990 04 22.30573	13 04 33.42	−07 31 24.6		9	675
1988 TZ	1990 04 22.33785	13 04 31.64	−07 31 17.7	18.5	9	675
1988 TB_1	1988 10 13.43976	01 26 25.07	+10 16 54.2	16.8	9	675
1988 TB_1	1988 10 13.47396	01 26 23.32	+10 16 35.4		9	675
1988 TL_1	1988 10 13.43976	01 23 23.40	+11 07 16.9	16.5	9	675
1988 TL_1	1988 10 13.47396	01 23 21.62	+11 06 57.1		9	675
1988 TM_1	1988 10 13.43976	01 31 28.67	+10 17 00.5	16.5	9	675
1988 TM_1	1988 10 13.47396	01 31 26.90	+10 16 47.1		9	675
1988 TR_1	1988 10 13.43976	01 16 12.70	+05 47 31.2	16.5	9	675
1988 TV_1	1988 10 13.43976	01 08 29.30	+10 22 15.8	17.0	9	675
1988 TV_1	1988 10 13.47396	01 08 27.70	+10 22 01.1		9	675
1988 TW_1	1988 10 13.43976	01 08 39.75	+09 55 09.9	16.8	9	675
1988 TW_1	1988 10 13.47396	01 08 38.20	+09 54 42.9		9	675
1988 TR_2	1988 10 13.43976	01 29 10.92	+06 57 52.1	16.2	9	675
1988 TR_2	1988 10 13.47396	01 29 08.72	+06 57 57.7		9	675
1988 UA	1988 10 13.43976	01 17 03.39	+10 00 49.9	16.8	9	675
1988 UA	1988 10 13.47396	01 17 01.56	+10 00 36.7		9	675
1988 VS_1	1988 11 06.44531	03 22 25.67	+12 55 39.9	16.5	9	675
1988 VS_1	1988 11 06.47760	03 22 23.46	+12 55 34.0		9	675
1988 VY_2	1993 07 27.44878	00 25 33.94	−15 01 36.6	16.8	9	675
1988 VY_2	1993 07 27.47431	00 25 34.09	−15 01 42.3		9	675
1988 VR_5	1988 11 06.44531	02 58 57.60	+14 30 40.4	17.0	9	675
1988 VR_5	1988 11 06.47760	02 58 55.79	+14 30 18.2		9	675
1988 VW_5	1988 11 06.44531	03 08 22.33	+15 50 05.6	17.2	9	675
1988 VW_5	1988 11 06.47760	03 08 20.71	+15 49 58.0		9	675
1988 VS_6	1988 10 13.43976	01 23 24.34	+09 47 41.9	17.5	9	675
1988 VS_6	1988 10 13.47396	01 23 23.09	+09 47 30.1		9	675
1988 VN_7	1988 11 06.44531	03 18 17.99	+13 44 56.2	17.5	9	675
1988 VN_7	1988 11 06.47760	03 18 15.75	+13 44 59.7		9	675
1989 AL_3	1994 08 03.44757	23 59 16.73	−04 36 25.1	18.2	9	675
1989 AL_3	1994 08 03.47622	23 59 16.56	−04 36 31.5		9	675
1989 AL_3	1994 09 12.34236	23 37 11.99	−09 10 41.0	17.5	9	675
1989 AL_3	1994 09 12.37344	23 37 10.19	−09 10 55.1		9	675
1989 AL_3	1994 10 01.18490	23 20 27.59	−11 22 46.7	18.2	9	675
1989 AL_3	1994 10 01.21406	23 20 26.13	−11 22 55.9		9	675
1989 BW_1	1993 04 17.38889	14 47 36.48	−11 36 21.8		9	675
1989 CB_4	1991 09 17.45938	00 18 09.21	−00 31 09.4		9	675
1989 CH_4	1994 09 30.21024	22 28 40.65	−08 30 19.2	18.5	9	675
1989 CH_4	1994 09 30.24271	22 28 39.42	−08 30 25.9		9	675
1989 EH_1	1991 09 17.40885	00 27 13.68	+01 03 35.8		9	675
1989 EH_1	1991 09 17.45938	00 27 11.34	+01 03 17.3		9	675
1989 GC_4	1994 04 04.27378	12 10 59.57	−03 00 37.1	17.8	9	675
1989 GC_4	1994 04 04.31667	12 10 57.46	−03 00 23.7		9	675
1989 KE	1994 08 03.44757	23 43 44.18	−04 38 27.6	18.8	9	675
1989 KE	1994 08 03.47622	23 43 43.95	−04 38 38.3		9	675
1989 KE	1994 09 12.34236	23 21 03.65	−11 10 10.1	17.8	9	675
1989 KE	1994 09 12.37344	23 21 02.22	−11 10 27.2		9	675
1989 SS_2	1988 03 18.39340	12 19 54.31	+04 35 06.6	18.5	9	675
1989 SS_2	1988 03 18.42309	12 19 52.63	+04 35 22.2		9	675
1989 SM_4	1994 09 30.21024	22 53 38.27	−10 44 22.6	18.8	9	675
1989 SM_4	1994 09 30.24271	22 53 37.11	−10 44 28.7		9	675
1989 TA_3	1994 09 30.24271	22 37 21.23	−11 24 08.4		9	675
1989 WF_1	1993 07 27.44878	00 16 54.78	−18 28 37.5		9	675
1989 WF_1	1993 07 27.47431	00 16 55.04	−18 28 43.7	18.5	9	675
1989 YF_1	1988 09 11.34566	23 27 04.49	+10 59 59.2	18.2	9	675
1989 YF_1	1988 09 11.37943	23 27 02.49	+10 59 52.4		9	675
1989 YG_5	1993 07 27.44878	00 13 50.69	−18 08 20.0		9	675
1989 YG_5	1993 07 27.47431	00 13 50.58	−18 08 28.3	18.2	9	675
1990 DA_3	1988 11 06.47760	02 55 20.72	+11 45 29.7		9	675
1990 FL_1	1990 03 27.39722	13 13 05.07	−07 26 28.1		9	675
1990 FL_1	1990 03 27.42865	13 13 03.24	−07 26 13.7		9	675
1990 GN	1988 10 13.43976	01 09 14.47	+08 27 38.4	18.2	9	675
1990 GN	1988 10 13.47396	01 09 12.27	+08 27 25.0		9	675
1990 HJ	1990 04 22.30573	13 00 14.64	−02 47 18.1		9	675
1990 HJ	1990 04 22.33785	13 00 13.02	−02 47 14.5	17.5	9	675
1990 KZ_3	* 1990 05 22.23567	14 57 56.57	−19 49 58.5	17.0	2	675
1990 KZ_3	1990 05 22.25938	14 57 55.94	−19 49 58.7		2	675
1990 KZ_3	1990 05 23.30347	14 57 08.00	−19 47 24.8		2	675
1990 KZ_3	1990 05 23.33455	14 57 06.57	−19 47 19.9		2	675
1990 MC	1991 12 02.24253	04 29 28.81	+05 33 33.5		9	675
1990 MC	1991 12 02.27569	04 29 27.05	+05 33 27.6		9	675

1990 QY	1994 04 04.27378	12 06 38.71	−03 17 25.7	17.2	9	675
1990 QY	1994 04 04.31667	12 06 36.82	−03 17 07.2		9	675
1990 QD_2	1993 03 24.45347	14 31 58.86	−12 03 27.0		9	675
1990 QD_2	1993 03 24.48438	14 31 58.08	−12 03 22.4		9	675
1990 QD_2	1993 05 24.24601	13 42 30.73	−07 37 52.8	17.5	9	675
1990 QD_2	1993 05 24.27969	13 42 29.51	−07 37 48.1		9	675
1990 RN_3	1993 03 24.45347	14 11 16.38	−09 41 35.5	17.2	9	675
1990 RN_3	1993 03 24.48438	14 11 15.62	−09 41 24.5		9	675
1990 RR_3	1994 09 11.31667	22 57 38.79	−10 39 52.1	17.5	9	675
1990 RR_3	1994 09 11.34826	22 57 37.09	−10 40 00.5		9	675
1990 RR_3	1994 09 30.21024	22 43 32.08	−11 34 16.1	18.2	9	675
1990 RR_3	1994 09 30.24271	22 43 30.94	−11 34 19.1		9	675
1990 RR_7	1994 09 30.21024	22 53 32.84	−08 33 19.0	18.2	9	675
1990 RR_7	1994 09 30.24271	22 53 31.63	−08 33 32.5		9	675
1990 SV_5	1994 08 03.44757	23 51 32.59	−04 10 58.7		9	675
1990 SV_5	1994 08 03.47622	23 51 32.53	−04 11 04.8		9	675
1990 SV_5	1994 09 12.34236	23 31 01.19	−08 34 57.4	17.0	9	675
1990 SV_5	1994 09 12.37344	23 30 59.62	−08 35 12.5		9	675
1990 SV_5	1994 10 01.18490	23 16 24.18	−10 44 13.6	18.0	9	675
1990 SV_5	1994 10 01.21406	23 16 22.92	−10 44 21.7		9	675
1990 SR_6	1994 08 03.44757	23 59 11.37	−03 48 59.7	18.2	9	675
1990 SR_6	1994 08 03.47622	23 59 11.47	−03 49 01.6		9	675
1990 TR_1	1993 06 22.43993	20 08 15.63	−08 19 07.9	16.5	2	675
1990 TR_1	1993 06 22.47153	20 08 14.94	−08 19 05.5		2	675
1990 TR_1	1993 06 25.40556	20 06 50.96	−08 16 13.1		2	675
1990 TR_1	1993 06 25.42969	20 06 50.19	−08 16 12.5		2	675
1990 TR_1	1993 07 16.33767	19 51 12.01	−08 49 11.4	16.0	2	675
1990 TR_1	1993 07 16.35990	19 51 10.68	−08 49 16.8		2	675
1990 TR_1	1993 07 20.24149	19 47 41.69	−09 05 16.6		2	675
1990 TR_1	1993 07 20.26667	19 47 40.28	−09 05 23.0		2	675
1990 TR_1	1993 08 20.18038	19 27 38.59	−12 10 53.7	16.5	2	675
1990 TR_1	1993 08 20.26979	19 27 37.01	−12 11 28.6		2	675
1990 TR_1	1993 08 22.22170	19 27 15.48	−12 23 58.7		2	675
1990 TR_1	1993 08 22.25000	19 27 15.15	−12 24 11.2		2	675
1990 TO_3	1993 03 24.45347	14 19 37.91	−14 17 44.1		9	675
1990 TO_3	1993 03 24.48438	14 19 36.99	−14 17 40.2	18.5	9	675
1990 TO_3	1993 05 24.24601	13 38 08.91	−10 08 02.0	18.8	9	675
1990 TO_3	1993 05 24.27969	13 38 08.14	−10 07 56.4		9	675
1990 UG	1993 03 24.45347	14 18 49.49	−13 38 10.0	18.0	9	675
1990 UG	1993 03 24.48438	14 18 48.64	−13 38 00.0		9	675
1990 UJ_2	1993 04 17.35868	14 51 42.07	−09 04 56.8	18.5	9	675
1990 UJ_2	1993 04 17.38889	14 51 40.66	−09 04 49.2		9	675
1990 UJ_2	1994 08 03.44757	23 55 36.94	−03 56 19.5	17.8	9	675
1990 UJ_2	1994 08 03.47622	23 55 37.29	−03 56 23.8		9	675
1990 UJ_2	1994 09 12.34236	23 43 15.11	−08 02 39.5	15.5	9	675
1990 UJ_2	1994 09 12.37344	23 43 13.75	−08 02 53.8		9	675
1990 UT_5	1988 03 18.39340	12 25 24.77	+04 54 47.2	17.2	9	675
1990 UT_5	1988 03 18.42309	12 25 23.30	+04 54 57.8		9	675
1990 UT_5	1994 08 03.44757	23 58 23.08	−05 58 01.3	17.5	9	675
1990 UT_5	1994 08 03.47622	23 58 22.81	−05 58 07.2		9	675
1990 UT_5	1994 09 12.34236	23 37 19.31	−09 43 37.0	16.0	9	675
1990 UT_5	1994 09 12.37344	23 37 17.72	−09 43 48.7		9	675
1990 UT_5	1994 10 01.18490	23 22 52.65	−11 20 42.9	17.5	9	675
1990 UT_5	1994 10 01.21406	23 22 51.40	−11 20 49.6		9	675
1990 UT_{10}	1993 03 24.45347	14 20 15.91	−12 16 16.3		9	675
1990 UT_{10}	1993 03 24.48438	14 20 15.12	−12 16 09.1		9	675
1990 VZ_4	1993 04 17.35868	14 37 52.40	−08 00 53.9	18.0	9	675
1990 VZ_4	1993 04 17.38889	14 37 51.07	−08 00 42.5		9	675
1990 WC_9	1993 04 17.35868	14 38 33.51	−05 52 52.2	17.5	9	675
1990 WC_9	1993 04 17.38889	14 38 32.33	−05 52 47.9		9	675
1991 AD	1989 09 03.21424	21 29 22.92	−02 05 02.4	16.5	9	675
1991 AD	1989 09 03.24497	21 29 21.49	−02 05 09.9		9	675
1991 FO_1	1993 08 20.38299	22 48 58.38	−08 24 54.2	17.0	2	675
1991 FO_1	1993 08 20.40312	22 48 57.40	−08 24 58.4		2	675
1991 FO_1	1993 08 24.27413	22 45 58.88	−08 41 16.9	16.0	2	675
1991 FO_1	1993 08 24.29670	22 45 57.71	−08 41 21.5		2	675
1991 NS_1	1994 04 04.27378	11 49 27.43	+03 11 16.0		9	675
1991 NS_1	1994 04 04.31667	11 49 25.25	+03 11 37.1		9	675
1991 PK	1988 11 06.44531	03 01 24.06	+11 23 01.8	17.2	9	675
1991 PK	1988 11 06.47760	03 01 22.08	+11 22 52.1		9	675
1991 PT_1	1988 10 13.43976	01 26 10.66	+07 59 21.1	18.2	9	675
1991 PT_1	1988 10 13.47396	01 26 08.71	+07 59 07.7		9	675
1991 PG_3	1990 04 22.30573	12 59 25.34	−01 50 26.8		9	675
1991 PG_3	1990 04 22.33785	12 59 23.97	−01 50 18.9	18.2	9	675
1991 PT_7	1994 04 04.27378	11 49 42.94	+01 35 23.8	18.2	9	675
1991 PT_7	1994 04 04.31667	11 49 40.50	+01 35 35.0		9	675
1991 PG_{15}	1990 03 27.39722	13 14 38.00	−05 09 17.8		9	675
1991 PG_{15}	1990 03 27.42865	13 14 36.40	−05 09 08.2		9	675
1991 RL_5	1993 01 28.40920	09 19 10.68	+30 46 33.7	17.5	9	675
1991 RL_5	1993 01 28.44931	09 19 08.38	+30 46 41.6		9	675
1991 RC_{10}	1991 09 17.40885	00 28 04.74	+07 00 52.8		9	675
1991 RC_{10}	1991 09 17.45938	00 28 02.16	+07 00 48.9		9	675
1991 RA_{13}	1991 09 17.40885	00 15 23.34	+03 19 39.4		9	675
1991 RA_{13}	1991 09 17.45938	00 15 20.79	+03 19 20.3	18.2	9	675
1991 RB_{13}	1991 09 17.40885	00 19 01.01	+06 32 38.2		9	675
1991 RB_{13}	1991 09 17.45938	00 18 58.38	+06 32 39.5	17.0	9	675
1991 RU_{17}	1988 11 06.44531	03 18 44.36	+14 33 54.5	16.5	9	675
1991 RU_{17}	1988 11 06.47760	03 18 42.31	+14 33 42.4		9	675
1991 RV_{40}	1991 09 17.40885	00 23 47.76	+01 23 07.6		9	675
1991 RV_{40}	1991 09 17.45938	00 23 45.56	+01 22 53.0		9	675
1991 RX_{40}	1991 09 17.40885	00 26 19.71	+00 07 10.9		9	675
1991 RX_{40}	1991 09 17.45938	00 26 17.56	+00 06 48.1		9	675
1991 TV_4	1994 09 11.31667	23 02 46.44	−10 51 58.0	16.0	9	675
1991 TV_4	1994 09 11.34826	23 02 44.83	−10 52 11.4		9	675
1991 TV_4	1994 10 01.18490	22 50 32.54	−12 29 31.0	16.8	9	675
1991 TV_4	1994 10 01.21406	22 50 31.76	−12 29 35.9		9	675
1991 TX_4	1994 09 12.34236	23 20 33.64	−06 02 00.9		9	675
1991 TX_4	1994 09 12.37344	23 20 31.55	−06 02 09.8		9	675
1991 TQ_7	1991 09 17.40885	00 26 34.87	+03 40 54.9		9	675
1991 TQ_7	1991 09 17.45938	00 26 32.00	+03 40 57.4	17.5	9	675
1991 TL_{13}	1991 09 17.40885	00 29 26.36	−00 51 16.1		9	675
1991 TL_{13}	1991 09 17.45938	00 29 23.53	−00 51 18.3		9	675
1991 UQ	1990 03 27.39722	13 13 24.62	−07 11 51.9		9	675
1991 UQ	1990 03 27.42865	13 13 22.75	−07 11 43.6		9	675

1991 UQ	1990 04 22.33785	12 47 42.58	−05 16 48.7	17.8	9	675
1991 UV	1990 03 27.39722	13 03 06.68	−08 15 03.0	17.2	9	675
1991 UV	1990 03 27.42865	13 03 04.91	−08 14 51.3		9	675
1991 VP_1	1993 04 17.35868	14 39 04.33	−06 48 39.7	18.2	9	675
1991 VP_1	1993 04 17.38889	14 39 02.57	−06 48 30.1		9	675
1991 VW_3	1990 04 22.33785	13 03 06.26	−07 54 07.7	17.8	9	675
1991 VV_5	1993 01 28.40920	09 17 47.81	+26 57 39.1	17.2	9	675
1991 VV_5	1993 01 28.44931	09 17 45.67	+26 57 54.4		9	675
1991 YM_1	1994 09 11.31667	23 15 24.17	−11 10 52.1		9	675
1991 YM_1	1994 09 11.34826	23 15 22.38	−11 11 05.1	18.2	9	675
1991 YM_1	1994 09 12.34236	23 14 27.82	−11 17 22.3	17.5	9	675
1991 YM_1	1994 09 12.37344	23 14 26.18	−11 17 34.6		9	675
1991 YM_1	1994 10 01.18490	22 58 34.21	−12 54 17.1	18.8	9	675
1991 YM_1	1994 10 01.21406	22 58 32.96	−12 54 22.9		9	675
1992 BJ_1	1988 03 18.42309	12 35 11.18	+02 45 42.2		9	675
1992 BF_4	1993 03 23.46667	14 41 44.04	−15 08 06.2		9	675
1992 BF_4	1993 03 23.50885	14 41 43.02	−15 08 04.6		9	675
1992 BF_4	1993 05 24.24601	13 58 09.01	−12 15 39.9		9	675
1992 BF_4	1993 05 24.27969	13 58 07.88	−12 15 35.4	18.5	9	675
1992 CP_2	1993 04 17.35868	14 38 05.89	−12 24 56.1	18.2	9	675
1992 CP_2	1993 04 17.38889	14 38 04.53	−12 24 46.9		9	675
1992 CD_3	1994 09 11.31667	23 19 54.72	−09 00 25.8		9	675
1992 CD_3	1994 09 11.34826	23 19 53.21	−09 00 47.0		9	675
1992 CD_3	1994 09 12.34236	23 19 09.09	−09 11 07.4	17.0	9	675
1992 CD_3	1994 09 12.37344	23 19 07.65	−09 11 26.2		9	675
1992 CD_3	1994 10 01.18490	23 06 38.17	−12 01 28.2	18.8	9	675
1992 CD_3	1994 10 01.21406	23 06 37.21	−12 01 40.5		9	675
1992 DE_4	1994 09 30.21024	22 47 36.06	−09 15 18.9	17.5	9	675
1992 ER_6	1994 09 12.34236	23 32 14.67	−11 49 53.5	17.5	9	675
1992 ER_6	1994 09 12.37344	23 32 13.20	−11 50 01.0		9	675
1992 ER_6	1994 10 01.18490	23 18 31.95	−12 48 21.6	18.8	9	675
1992 EE_7	1994 08 03.44757	00 08 27.89	−08 58 23.6		9	675
1992 EE_7	1994 08 03.47622	00 08 27.84	−08 58 34.5	18.5	9	675
1992 EZ_7	1988 03 18.39340	12 31 05.70	+03 55 38.1	18.2	9	675
1992 EZ_7	1988 03 18.42309	12 31 04.26	+03 55 54.0		9	675
1992 ER_9	1994 09 30.21024	22 30 52.60	−09 58 53.6		9	675
1992 ER_9	1994 09 30.24271	22 30 51.70	−09 58 58.7		9	675
1992 PG_2	1988 11 06.44531	03 25 13.11	+11 09 11.3	18.2	9	675
1992 PG_2	1988 11 06.47760	03 25 11.36	+11 08 59.6		9	675
1992 PY_2	1988 11 07.17465	23 05 26.32	+16 37 48.5	16.8	9	675
1992 PY_2	1988 11 07.21042	23 05 26.60	+16 37 35.1		9	675
1992 UJ_6	1992 10 25.42760	03 45 28.63	+15 23 19.1	16.5	9	675
1992 UJ_6	1992 10 25.46094	03 45 27.41	+15 23 01.4		9	675
1992 UJ_6	1992 11 28.27604	03 18 32.67	+10 36 37.6	16.8	9	675
1992 UJ_6	1992 11 28.30990	03 18 31.09	+10 36 25.0		9	675
1992 VR	1988 10 13.43976	01 31 46.88	+08 12 03.8	17.0	9	675
1992 VR	1988 10 13.47396	01 31 45.00	+08 11 49.6		9	675
1992 WH	1988 09 11.29271	23 19 44.49	+05 18 14.7	17.0	9	675
1992 WH	1988 09 11.32726	23 19 42.63	+05 18 00.4		9	675
1992 WJ	1988 10 13.43976	01 12 05.18	+07 06 08.0	17.8	9	675
1992 WJ	1988 10 13.47396	01 12 03.18	+07 05 57.9		9	675
1992 WJ	1990 03 27.39722	13 05 26.41	−05 49 17.9		9	675
1992 WJ	1990 03 27.42865	13 05 24.55	−05 49 10.0	17.8	9	675
1992 WL	1991 09 16.27778	22 21 30.46	−25 53 42.5	18.0	9	675
1992 WL	1991 09 16.32431	22 21 28.48	−25 53 43.7		9	675
1992 WS_3	1990 03 27.39722	13 08 29.83	−10 43 56.1	17.5	9	675
1992 WS_3	1990 03 27.42865	13 08 27.91	−10 43 47.6		9	675
1992 WS_3	1990 04 22.33785	12 44 11.09	−08 23 23.4	18.0	9	675
1992 WH_8	1994 04 04.27378	12 10 30.14	−01 18 52.4		9	675
1992 WH_8	1994 04 04.31667	12 10 27.58	−01 18 37.7		9	675
1992 YG_3	1988 03 18.39340	12 22 08.98	+00 09 48.2		9	675
1992 YG_3	1988 03 18.42309	12 22 07.67	+00 09 59.4		9	675
1993 BF	1988 11 07.17465	23 30 11.99	+13 38 29.5	16.5	9	675
1993 BF	1988 11 07.21042	23 30 12.41	+13 38 22.9		9	675
1993 DB_1	1994 09 30.21024	22 58 16.24	−06 57 08.2		9	675
1993 DB_1	1994 09 30.24271	22 58 14.83	−06 57 16.9		9	675
1993 FN_1	1994 09 11.34826	23 05 38.86	−11 11 58.5	16.2	9	675
1993 FN_1	1994 10 01.18490	22 53 18.94	−13 39 02.4	17.2	9	675
1993 FN_1	1994 10 01.21406	22 53 18.15	−13 39 11.1		9	675
1993 FL_6	1988 11 06.44531	03 11 47.18	+14 55 17.1		9	675
1993 FL_6	1988 11 06.47760	03 11 44.88	+14 55 07.2		9	675
1993 FO_6	1988 03 18.39340	12 27 47.89	+01 27 42.4	18.5	9	675
1993 FO_6	1988 03 18.42309	12 27 46.47	+01 27 50.1		9	675
1993 FE_{23}	1994 08 03.44757	00 13 34.72	−05 46 33.8	17.0	9	675
1993 FE_{23}	1994 08 03.47622	00 13 35.01	−05 46 25.8		9	675
1993 FH_{38}	1994 09 12.34236	23 18 08.12	−06 57 04.4	15.5	9	675
1993 FH_{38}	1994 09 12.37344	23 18 06.56	−06 57 17.8		9	675
1993 FH_{38}	1994 10 01.18490	23 05 35.85	−08 52 10.3	17.5	9	675
1993 FH_{38}	1994 10 01.21406	23 05 35.03	−08 52 16.7		9	675
1993 FO_{40}	1994 09 11.31667	23 09 36.40	−09 33 03.5		9	675
1993 FO_{40}	1994 09 11.34826	23 09 34.45	−09 33 13.3		9	675
1993 FO_{40}	1994 09 30.21024	22 53 20.18	−10 51 07.0	17.8	9	675
1993 FO_{40}	1994 09 30.24271	22 53 18.73	−10 51 11.6		9	675
1993 FX_{79}	1994 09 30.21024	22 41 39.98	−06 52 18.0	17.2	9	675
1993 FX_{79}	1994 09 30.24271	22 41 38.98	−06 52 26.8		9	675
1993 GL	1993 03 24.45347	14 07 38.23	−11 02 56.2	17.0	9	675
1993 GR	1993 03 24.48438	14 06 13.15	−10 30 00.1		9	675
1993 HR	1993 03 24.45347	14 17 12.84	−15 09 16.1		9	675
1993 HR	1993 03 24.48438	14 17 11.80	−15 09 17.8	17.5	9	675
1993 HS	1993 03 24.45347	14 18 22.38	−13 53 51.0	17.0	9	675
1993 HS	1993 03 24.48438	14 18 21.41	−13 53 50.3		9	675
1993 HE_1	1993 03 24.45347	14 22 31.23	−11 39 30.8	17.5	9	675
1993 HE_1	1993 03 24.48438	14 22 30.47	−11 39 40.6		9	675
1993 HG_1	1993 03 24.45347	14 18 13.37	−10 12 59.1	17.8	9	675
1993 HG_1	1993 03 24.48438	14 18 12.56	−10 12 50.5		9	675
1993 HH_1	1993 03 23.46667	14 33 23.10	−16 31 51.1	17.8	9	675
1993 HH_1	1993 03 23.50885	14 33 22.52	−16 31 50.6		9	675
1993 HH_1	1993 05 24.24601	13 52 44.13	−13 01 08.6	16.8	9	675
1993 HH_1	1993 05 24.27969	13 52 43.35	−13 01 03.4		9	675
1993 HS_1	1993 03 24.45347	14 29 53.02	−12 48 24.2	17.8	9	675
1993 HS_1	1993 03 24.48438	14 29 52.11	−12 48 29.4		9	675
1993 HA_6	1994 08 03.44757	23 52 15.95	−09 48 47.4		9	675
1993 HA_6	1994 08 03.47622	23 52 15.34	−09 48 52.1		9	675
1993 HA_6	1994 09 12.34236	23 23 41.96	−12 52 01.2		9	675

1993 HA_6		1994 09 12.37344	23 23 40.08	−12 52 09.7		9	675
1993 HA_6		1994 10 01.18490	23 07 31.84	−13 45 37.4	18.8	9	675
1993 HA_6		1994 10 01.21406	23 07 30.51	−13 45 38.9		9	675
1993 JF_1		1994 09 11.31667	22 53 24.67	−12 27 47.0	17.8	9	675
1993 JF_1		1994 09 11.34826	22 53 22.77	−12 27 55.4		9	675
1993 OM_{10}		1988 10 13.43976	01 26 46.07	+07 08 02.5	18.0	9	675
1993 OM_{10}		1988 10 13.47396	01 26 44.40	+07 07 50.1		9	675
1993 PB_7		1988 10 13.43976	01 27 39.31	+08 49 46.6	18.0	9	675
1993 PB_7		1988 10 13.47396	01 27 37.77	+08 49 37.2		9	675
1993 QR_{10}	*	1993 08 20.38299	22 49 00.91	−08 36 17.3	15.5	2	675
1993 QR_{10}		1993 08 20.40312	22 48 59.89	−08 36 26.2		2	675
1993 QR_{10}		1993 08 24.27413	22 45 44.05	−09 05 34.4		2	675
1993 QR_{10}		1993 08 24.29670	22 45 42.79	−09 05 44.7		2	675
1993 QS_{10}	*	1993 08 20.38299	22 49 17.30	−08 41 46.3	17.0	2	675
1993 QS_{10}		1993 08 20.40312	22 49 16.36	−08 41 49.6		2	675
1993 QS_{10}		1993 08 24.27413	22 46 17.48	−08 57 44.6		2	675
1993 QS_{10}		1993 08 24.29670	22 46 16.29	−08 57 48.7		2	675
1993 QT_{10}	*	1993 08 20.38299	22 49 24.64	−08 30 50.0	15.5	2	675
1993 QT_{10}		1993 08 20.40312	22 49 23.67	−08 30 52.6		2	675
1993 QT_{10}		1993 08 24.27413	22 45 59.21	−08 47 07.8	16.0	2	675
1993 QT_{10}		1993 08 24.29670	22 45 57.95	−08 47 13.9		2	675
1993 TG		1988 11 06.44531	03 10 59.73	+11 20 16.9	17.8	9	675
1993 TG		1988 11 06.47760	03 10 58.23	+11 20 07.0		9	675
1993 UB_1		1988 03 18.39340	12 13 19.94	+04 56 19.6	17.0	9	675
1993 UB_1		1988 03 18.42309	12 13 17.65	+04 56 19.5		9	675
1993 UC_1		1992 04 04.39444	14 44 15.94	−29 59 34.1	17.5	9	675
1993 UC_1		1992 04 04.42951	14 44 14.52	−29 59 30.3		9	675
1993 WE		1988 10 13.43976	01 13 09.84	+10 19 36.9	17.8	9	675
1993 WE		1988 10 13.47396	01 13 08.05	+10 19 23.9		9	675
1994 AO_2		1988 09 11.29271	23 18 46.20	+10 23 54.8	18.2	9	675
1994 AO_2		1988 09 11.32726	23 18 44.06	+10 23 52.8		9	675
1994 BW		1991 04 16.42830	14 05 30.87	+01 35 42.5	17.5	9	675
1994 BW		1991 04 16.47118	14 05 28.40	+01 35 55.4		9	675
1994 BW		1991 05 15.24861	13 41 03.98	+02 25 44.8	17.8	9	675
1994 BW		1991 05 15.28073	13 41 02.75	+02 25 42.2		9	675
1994 EB		1994 04 04.27378	11 51 33.68	+03 22 31.4	18.0	9	675
1994 EB		1994 04 04.31667	11 51 31.70	+03 22 51.0		9	675
1994 EQ		1990 03 27.39722	13 23 00.89	−05 24 24.5		9	675
1994 EQ		1990 03 27.42865	13 22 59.02	−05 24 28.0		9	675
1994 EQ		1990 04 22.30573	12 55 36.49	−05 43 36.2		9	675
1994 EQ		1990 04 22.33785	12 55 34.56	−05 43 40.9	17.5	9	675
1994 EO_2		1994 04 04.27378	11 54 04.40	−00 05 49.6	17.5	9	675
1994 EO_2		1994 04 04.31667	11 54 00.89	−00 05 59.6		9	675
1994 FP		1994 04 04.27378	11 54 47.92	+01 11 41.2		9	675
1994 FP		1994 04 04.31667	11 54 44.35	+01 11 25.5	18.5	9	675
1994 GD_9		1988 09 11.29271	23 24 18.55	+12 03 14.9		9	675
1994 GF_9		1994 04 04.27378	12 10 54.61	+00 27 36.8	16.8	9	675
1994 GF_9		1994 04 04.31667	12 10 52.16	+00 27 45.8		9	675
1994 NC		1988 03 18.39340	12 10 07.59	+03 39 46.7		9	675
1994 NC		1988 03 18.42309	12 10 06.14	+03 40 02.3		9	675
1994 NS		1988 10 13.43976	01 29 12.83	+09 41 14.1	17.0	9	675
1994 PS		1994 09 11.31667	23 09 38.72	−09 28 26.1		9	675
1994 PS		1994 09 11.34826	23 09 37.06	−09 28 43.8		9	675
1994 PS		1994 10 01.18490	22 54 29.44	−12 15 34.3	18.0	9	675
1994 PS		1994 10 01.21406	22 54 28.25	−12 15 45.8		9	675
1994 PT		1994 09 12.34236	23 16 18.72	−07 28 12.6	16.5	9	675
1994 PT		1994 09 12.37344	23 16 17.27	−07 28 22.5		9	675
1994 PT		1994 10 01.18490	23 04 16.42	−08 57 54.7	17.8	9	675
1994 PT		1994 10 01.21406	23 04 15.49	−08 58 01.2		9	675
1994 PV		1994 09 12.34236	23 18 52.22	−08 02 30.5	17.2	9	675
1994 PV		1994 09 12.37344	23 18 50.87	−08 02 43.4		9	675
1994 PV		1994 10 01.18490	23 07 03.13	−09 54 10.1	18.2	9	675
1994 PV		1994 10 01.21406	23 07 02.13	−09 54 17.6		9	675
1994 PX		1994 09 12.34236	23 21 59.45	−09 33 53.2	17.0	9	675
1994 PX		1994 09 12.37344	23 21 58.08	−09 34 13.3		9	675
1994 PX		1994 10 01.18490	23 10 32.59	−12 42 06.8	18.0	9	675
1994 PX		1994 10 01.21406	23 10 31.64	−12 42 20.4		9	675
1994 PZ		1994 09 12.34236	23 18 06.65	−06 48 04.4	16.5	9	675
1994 PZ		1994 09 12.37344	23 18 04.85	−06 48 19.9		9	675
1994 PZ		1994 10 01.18490	23 03 37.99	−08 55 35.2	18.0	9	675
1994 PZ		1994 10 01.21406	23 03 36.98	−08 55 43.7		9	675
1994 PT_{14}		1993 04 17.35868	14 33 02.69	−09 03 02.3	17.2	9	675
1994 PT_{14}		1993 04 17.38889	14 33 01.19	−09 02 50.6		9	675
1994 PS_{16}		1994 09 30.24271	22 33 41.43	−11 18 50.7		9	675
1994 PW_{17}		1994 09 30.21024	22 33 27.72	−09 45 36.0	18.8	9	675
1994 PW_{17}		1994 09 30.24271	22 33 26.93	−09 45 41.5		9	675
1994 PY_{17}		1994 09 30.21024	22 32 07.75	−07 34 45.0		9	675
1994 PY_{17}		1994 09 30.24271	22 32 06.85	−07 34 52.3		9	675
1994 PD_{18}		1994 09 30.21024	22 31 17.25	−11 22 00.7		9	675
1994 PD_{18}		1994 09 30.24271	22 31 16.39	−11 22 11.7		9	675
1994 PY_{19}		1994 09 30.21024	22 32 19.73	−07 02 50.7		9	675
1994 PY_{19}		1994 09 30.24271	22 32 18.39	−07 02 56.1		9	675
1994 PK_{20}		1994 09 30.21024	22 39 43.08	−08 21 37.6		9	675
1994 PK_{20}		1994 09 30.24271	22 39 42.03	−08 21 43.5		9	675
1994 PP_{20}		1994 09 11.31667	22 56 10.53	−09 11 34.9	18.2	9	675
1994 PP_{20}		1994 09 11.34826	22 56 09.21	−09 11 46.4		9	675
1994 PR_{20}		1994 09 30.21024	22 36 03.42	−11 45 51.8		9	675
1994 PR_{20}		1994 09 30.24271	22 36 02.09	−11 46 01.0		9	675
1994 PD_{21}		1994 09 11.31667	22 59 42.28	−08 13 34.6		9	675
1994 PD_{21}		1994 09 11.34826	22 59 41.02	−08 13 53.4		9	675
1994 PM_{21}		1994 09 11.31667	23 03 25.83	−09 12 32.9		9	675
1994 PM_{21}		1994 09 11.34826	23 03 24.45	−09 12 52.6		9	675
1994 PM_{21}		1994 10 01.18490	22 52 48.12	−12 11 07.4	17.8	9	675
1994 PM_{21}		1994 10 01.21406	22 52 47.29	−12 11 18.7		9	675
1994 PN_{21}		1994 09 30.24271	22 45 56.66	−09 15 47.3		9	675
1994 PO_{21}		1994 09 11.31667	22 59 34.78	−09 19 46.1	18.5	9	675
1994 PO_{21}		1994 09 11.34826	22 59 33.46	−09 19 55.2		9	675
1994 PY_{21}		1994 09 11.31667	22 55 25.35	−09 11 44.4	18.5	9	675
1994 PY_{21}		1994 09 11.34826	22 55 23.65	−09 11 55.1		9	675
1994 PD_{22}		1994 09 11.31667	22 58 24.80	−08 49 03.5		9	675
1994 PD_{22}		1994 09 11.34826	22 58 23.00	−08 49 13.5	18.8	9	675
1994 PH_{22}		1994 09 30.21024	22 46 35.57	−08 12 53.0		9	675
1994 PJ_{22}		1994 09 11.31667	23 01 00.23	−08 14 57.1		9	675
1994 PO_{22}		1994 09 30.21024	22 39 23.82	−07 00 05.4		9	675

1994 PO_{22}	1994 09 30.24271	22 39 22.64	−07 00 02.8		9	675
1994 PL_{23}	1994 09 11.31667	23 01 22.41	−07 56 13.2		9	675
1994 PL_{23}	1994 09 11.34826	23 01 20.69	−07 56 20.4	18.5	9	675
1994 QQ	1994 09 30.21024	22 36 02.29	−07 21 14.3	18.2	9	675
1994 QQ	1994 09 30.24271	22 36 00.94	−07 21 16.4		9	675
1994 QR	1994 09 30.21024	22 42 36.14	−10 25 04.4	18.2	9	675
1994 QR	1994 09 30.24271	22 42 35.27	−10 25 13.9		9	675
1994 QV	1994 09 11.31667	23 00 30.83	−11 09 18.5	15.5	9	675
1994 QV	1994 09 11.34826	23 00 28.58	−11 09 04.5		9	675
1994 QV	1994 09 30.21024	22 42 18.06	−08 36 17.4	16.2	9	675
1994 QV	1994 09 30.24271	22 42 16.57	−08 35 59.7		9	675
1994 QW	1994 09 11.31667	23 06 57.41	−14 19 49.8		9	675
1994 QW	1994 09 11.34826	23 06 55.69	−14 20 07.8	16.5	9	675
1994 RQ	1994 08 03.44757	23 46 42.28	−04 26 04.8	17.5	9	675
1994 RQ	1994 08 03.47622	23 46 42.37	−04 26 04.6		9	675
1994 RQ	1994 09 12.34236	23 28 09.71	−06 22 48.3	15.2	9	675
1994 RQ	1994 09 12.37344	23 28 08.04	−06 22 55.8		9	675
1994 RU	1994 09 12.34236	23 42 50.25	−07 21 28.5	15.8	9	675
1994 RU	1994 09 12.37344	23 42 48.52	−07 21 35.1		9	675
1994 RM_1	1988 09 11.29271	23 01 54.55	+07 49 04.0	17.2	9	675
1994 RM_1	1988 09 11.32726	23 01 53.13	+07 48 45.3		9	675
1994 RT_1	1994 09 12.34236	23 26 23.07	−05 18 22.0		9	675
1994 RT_1	1994 09 12.37344	23 26 22.24	−05 19 07.3		9	675
1994 RT_1	1994 10 01.18490	23 20 01.76	−12 41 39.5	17.2	9	675
1994 RT_1	1994 10 01.21406	23 20 01.23	−12 42 14.7		9	675
1994 RJ_{11}	1994 08 03.44757	23 46 05.84	−03 49 40.1	17.8	9	675
1994 RJ_{11}	1994 08 03.47622	23 46 05.56	−03 49 34.0		9	675
1994 RJ_{12}	1994 09 12.34236	23 24 34.71	−07 39 32.6		9	675
1994 RJ_{12}	1994 09 12.37344	23 24 32.88	−07 39 46.4		9	675
1994 TM_2	1993 04 17.35868	14 32 00.77	−08 39 40.9	17.8	9	675
1994 TM_2	1993 04 17.38889	14 31 58.90	−08 39 31.1		9	675
1994 TY_2	1988 03 18.39340	12 18 00.73	+04 14 13.9	17.2	9	675
1994 TY_2	1988 03 18.42309	12 17 58.69	+04 14 17.2		9	675
1994 UB	1994 09 11.31667	23 06 32.51	−09 38 05.9		9	675
1994 UB	1994 09 11.34826	23 06 30.99	−09 38 27.0	17.0	9	675
1994 UB	1994 10 01.18490	22 54 18.23	−12 45 58.3	17.8	9	675
1994 UB	1994 10 01.21406	22 54 17.40	−12 46 09.5		9	675
1994 UK_1	1993 03 23.46667	14 34 49.33	−17 55 23.3		9	675
1994 UK_1	1993 03 23.50885	14 34 48.31	−17 55 24.3		9	675
1994 WH_3	1988 10 13.43976	01 20 54.55	+05 06 37.8	17.0	9	675
1994 WH_3	1988 10 13.47396	01 20 52.98	+05 06 28.9		9	675
1995 BU	1993 07 27.44878	00 31 03.49	−14 11 01.9		9	675
1995 BU	1993 07 27.47431	00 31 04.21	−14 11 19.4		9	675
1995 BJ_1	1990 03 27.39722	13 21 27.50	−04 57 51.2		9	675
1995 BJ_1	1990 03 27.42865	13 21 26.23	−04 57 42.4	17.5	9	675
1995 BJ_1	1990 04 22.30573	13 02 41.56	−03 07 40.5		9	675
1995 BJ_1	1990 04 22.33785	13 02 40.23	−03 07 33.5	17.5	9	675
1995 BL_3	1991 04 16.42830	14 19 40.82	+01 56 29.2	17.5	9	675
1995 BL_3	1991 04 16.47118	14 19 38.91	+01 56 44.0		9	675
1995 DK_2	1988 11 06.44531	03 05 30.16	+11 11 32.3		9	675
1995 DK_2	1988 11 06.47760	03 05 28.39	+11 11 28.9		9	675
1995 PB	1993 04 17.35868	14 49 08.21	−09 48 30.8	18.8	9	675
1995 PB	1993 04 17.38889	14 49 06.74	−09 48 20.0		9	675
1995 QJ	1988 11 06.44531	03 01 57.16	+11 26 25.7	18.2	9	675
1995 QJ	1988 11 06.47760	03 01 55.22	+11 26 16.3		9	675
1995 QH_2	1964 08 08.30625	20 37 22.21	−32 51 58.0	17.8	6	675
1995 SX	1994 04 04.27378	12 08 20.39	−02 14 15.8		9	675
1995 SX	1994 04 04.31667	12 08 18.00	−02 13 58.6		9	675
1995 SN_3	1994 04 04.27378	11 55 31.89	−03 54 21.4	18.2	9	675
1995 SN_3	1994 04 04.31667	11 55 29.22	−03 54 11.2		9	675
1995 SW_{52}	1988 09 11.29271	23 17 45.11	+05 46 43.6	16.5	9	675
1995 SW_{52}	1988 09 11.32726	23 17 43.21	+05 46 30.5		9	675
1995 SQ_{54}	1988 11 06.44531	03 18 08.79	+14 40 41.1	18.0	9	675
1995 SQ_{54}	1988 11 06.47760	03 18 06.53	+14 40 36.8		9	675
1995 UT_4	1993 04 17.35868	14 46 48.46	−09 31 50.7	17.8	9	675
1995 UU_4	1989 09 03.21424	21 42 28.14	+01 51 55.8		9	675
1995 UU_4	1989 09 03.24497	21 42 26.86	+01 51 46.1		9	675
1995 UJ_6	1989 08 02.37951	21 45 44.14	+02 00 20.6	17.8	9	675
1995 UJ_6	1989 08 02.40955	21 45 42.86	+02 00 17.0		9	675
1995 UJ_6	1989 09 03.21424	21 22 36.13	+00 08 58.0	17.5	9	675
1995 UJ_6	1989 09 03.24497	21 22 34.93	+00 08 48.2		9	675
1995 UE_8	1988 03 18.39340	12 22 04.69	+05 58 19.2	17.5	9	675
1995 UE_8	1988 03 18.42309	12 22 03.06	+05 58 24.3		9	675
1995 UE_8	1993 05 24.24601	13 52 10.88	−13 07 15.8	18.5	9	675
1995 UE_8	1993 05 24.27969	13 52 09.88	−13 07 15.5		9	675
1995 UD_{45}	1993 04 17.35868	14 44 48.56	−12 37 59.7	18.5	9	675
1995 UD_{45}	1993 04 17.38889	14 44 47.19	−12 37 56.5		9	675
1995 VO_1	1993 03 23.46667	14 56 59.50	−13 08 26.6	18.5	9	675
1995 VO_1	1993 03 23.50885	14 56 58.68	−13 08 21.3		9	675
1995 VO_1	1993 04 17.35868	14 43 44.74	−11 45 19.5	18.0	9	675
1995 WN	1991 09 16.27778	22 07 13.32	−21 03 26.3		9	675
1995 WN	1991 09 16.32431	22 07 11.56	−21 03 29.5		9	675
1995 WS_2	1993 01 28.40920	09 12 30.01	+28 24 52.3	18.5	9	675
1995 WS_2	1993 01 28.44931	09 12 27.10	+28 25 05.6		9	675
1995 WG_5	1991 09 17.40885	00 16 14.66	+05 05 27.4		9	675
1995 WG_5	1991 09 17.45938	00 16 12.11	+05 05 03.7	17.8	9	675
1995 XT	1994 09 12.34236	23 18 38.32	−07 20 34.5	17.0	9	675
1995 XT	1994 09 12.37344	23 18 36.87	−07 20 43.4		9	675
1995 XT	1994 10 01.18490	23 05 27.87	−08 45 42.6	18.2	9	675
1995 YB_3	1994 09 12.34236	23 35 47.67	−06 47 20.6		9	675
1995 YB_3	1994 09 12.37344	23 35 46.25	−06 47 28.7		9	675
1996 AS	1989 03 29.31615	12 14 41.82	+05 29 10.4		9	675
1996 AS	1989 03 29.34497	12 14 40.22	+05 29 21.2	18.5	9	675
1996 AS	1994 09 11.31667	22 52 30.48	−11 14 56.0		9	675
1996 AS	1994 09 11.34826	22 52 28.90	−11 15 10.3		9	675
1996 AN_{15}	1994 09 12.34236	23 34 29.84	−11 36 44.4	18.5	9	675
1996 AN_{15}	1994 09 12.37344	23 34 28.13	−11 37 01.8		9	675
1996 BS_1	1993 03 23.46667	14 44 32.54	−15 09 08.0	18.5	9	675
1996 BS_1	1993 03 23.50885	14 44 31.68	−15 09 08.1		9	675
1996 BX_1	1991 12 02.24253	04 16 19.99	+05 30 38.1	17.5	9	675
1996 BX_1	1991 12 02.27569	04 16 17.70	+05 30 44.7		9	675
1996 BV_3	1993 04 17.35868	14 43 20.84	−07 05 43.9	16.8	9	675
1996 BV_3	1993 04 17.38889	14 43 19.16	−07 05 38.6		9	675
1996 CC_1	1994 09 11.31667	22 56 28.66	−10 04 17.1	17.0	9	675

1996 CC_1	1994 09 11.34826	22 56 26.93	−10 04 26.4		9	675
1996 CC_1	1994 09 30.21024	22 43 20.35	−11 08 03.2	18.0	9	675
1996 CC_1	1994 09 30.24271	22 43 19.36	−11 08 06.1		9	675
1996 CX_7	1991 12 02.24253	04 12 15.46	+10 05 20.2	17.8	9	675
1996 CX_7	1991 12 02.27569	04 12 13.22	+10 05 20.9		9	675
1996 CS_8	1988 11 06.44531	03 16 12.02	+09 21 29.3	18.2	9	675
1996 CS_8	1988 11 06.47760	03 16 10.57	+09 21 23.2		9	675
1996 CV_8	1993 03 23.46667	14 46 10.60	−13 55 58.6	17.8	9	675
1996 CV_8	1993 03 23.50885	14 46 09.86	−13 55 58.9		9	675
1996 CV_8	1993 05 24.24601	13 56 36.22	−12 39 02.0	17.2	9	675
1996 CV_8	1993 05 24.27969	13 56 34.89	−12 39 01.8		9	675
1996 CA_9	1994 09 30.21024	22 51 49.66	−07 41 39.8	17.8	9	675
1996 CA_9	1994 09 30.24271	22 51 48.40	−07 41 57.5		9	675
1996 DE	1993 08 20.18038	19 27 04.98	−12 53 56.9	16.0	2	675
1996 DE	1993 08 20.26979	19 27 02.97	−12 54 57.1		2	675
1996 DE	1993 08 22.22170	19 26 29.56	−13 16 54.8		2	675
1996 DE	1993 08 22.25000	19 26 29.00	−13 17 13.7		2	675
1996 DK_1	1994 08 03.44757	00 00 58.38	−03 41 47.0		9	675
1996 DK_1	1994 08 03.47622	00 00 58.08	−03 41 53.0		9	675
1996 DK_1	1994 09 12.37344	23 37 39.06	−07 50 47.3		9	675
1996 DK_1	1994 10 01.18490	23 21 12.30	−09 57 40.6	18.8	9	675
1996 DK_1	1994 10 01.21406	23 21 10.88	−09 57 48.3		9	675
1996 EG_2	1988 03 18.39340	12 32 36.09	+03 01 02.5		9	675
1996 HW_1	1993 04 17.35868	14 40 11.90	−06 35 25.5	19.0	9	675
1996 HW_1	1993 04 17.38889	14 40 09.88	−06 35 10.4		9	675
1996 HT_{14}	1990 03 27.39722	13 18 58.04	−04 36 08.1		9	675
1996 HT_{14}	1990 03 27.42865	13 18 56.79	−04 36 00.0	17.8	9	675
1996 HT_{14}	1990 04 22.33785	13 00 31.02	−02 40 22.9	17.8	9	675
1996 JN_6	1988 11 06.44531	03 11 12.33	+13 20 40.2		9	675
1996 JN_6	1988 11 06.47760	03 11 10.56	+13 20 33.9		9	675
1996 NU_4	1988 09 11.34566	23 53 30.47	+09 51 08.6	18.0	9	675
1996 NU_4	1988 09 11.37943	23 53 28.47	+09 51 05.2		9	675
1996 VG_8	1989 09 03.21424	21 42 34.02	−01 20 02.6		9	675
1996 VR_{30}	1989 09 03.21424	21 31 53.30	−05 56 42.4	17.5	9	675
1996 VR_{30}	1989 09 03.24497	21 31 52.01	−05 56 48.3		9	675
1996 WQ_1	1994 04 04.27378	12 05 27.90	−01 29 52.2	17.0	9	675
1996 WQ_1	1994 04 04.31667	12 05 25.79	−01 29 36.6		9	675
1996 XB_3	1988 11 06.44531	03 11 55.28	+12 00 06.9		9	675
1996 XB_3	1988 11 06.47760	03 11 53.22	+11 59 58.7		9	675
1996 YD	1994 04 04.31667	12 12 02.60	+01 39 00.1	17.2	9	675
1996 YT	1994 04 04.27378	12 11 18.64	+02 07 46.2		9	675
1996 YT	1994 04 04.31667	12 11 16.11	+02 07 57.9		9	675
1997 AB_2	1993 01 28.40920	09 15 15.54	+27 49 24.2	17.8	9	675
1997 AB_2	1993 01 28.44931	09 15 13.22	+27 49 49.5		9	675
1997 AC_4	1994 04 04.27378	12 04 11.04	−02 06 03.5	17.5	9	675
1997 AC_4	1994 04 04.31667	12 04 08.49	−02 05 50.5		9	675
1997 AX_{17}	1988 03 18.39340	12 18 05.29	+03 18 34.5		9	675
1997 AX_{17}	1988 03 18.42309	12 18 03.40	+03 18 43.7	17.8	9	675
1997 AM_{19}	1994 04 04.27378	12 02 36.94	+03 31 01.2		9	675
1997 AM_{19}	1994 04 04.31667	12 02 34.58	+03 31 17.6	17.8	9	675
1997 BL_2	1994 08 03.44757	00 06 48.12	−05 22 05.5		9	675
1997 BL_2	1994 08 03.47622	00 06 48.03	−05 22 13.1		9	675
1997 BE_3	1994 08 03.44757	00 07 38.67	−06 53 29.9		9	675
1997 BE_3	1994 08 03.47622	00 07 38.72	−06 53 32.3		9	675
1997 CN_5	1993 03 24.45347	14 15 44.80	−14 23 54.5	18.2	9	675
1997 CN_5	1993 03 24.48438	14 15 43.90	−14 23 46.2		9	675
1997 EK	1994 09 12.34236	23 26 34.78	−11 10 53.3		9	675
1997 EK	1994 09 12.37344	23 26 33.13	−11 10 57.1		9	675
1997 ES_{40}	1988 10 13.43976	01 25 01.63	+08 14 20.3	17.8	9	675
1997 ES_{40}	1988 10 13.47396	01 24 59.80	+08 14 02.7		9	675
2024 P-L	1993 03 24.45347	14 18 20.37	−17 53 11.2		9	675
2024 P-L	1993 03 24.48438	14 18 19.16	−17 53 13.7		9	675
2099 P-L	1993 03 24.45347	14 04 42.39	−12 38 44.4	17.2	9	675
2099 P-L	1993 03 24.48438	14 04 41.25	−12 38 32.9		9	675
2100 P-L	* 1960 09 24.45000	00 45 34.95	+07 08 15.0	19.0	4	675
2100 P-L	1960 09 26.37010	00 44 15.06	+06 49 08.9		4	675
2100 P-L	1960 09 28.43822	00 42 47.63	+06 28 21.3		4	675
2100 P-L	1960 09 28.45140	00 42 46.97	+06 28 14.4		4	675
2100 P-L	1960 09 29.39514	00 42 06.95	+06 18 42.5		4	675
2100 P-L	1960 10 17.31529	00 29 50.06	+03 18 26.1		4	675
2100 P-L	1960 10 22.26809	00 26 56.04	+02 32 32.0		4	675
2100 P-L	1960 10 25.30351	00 25 20.26	+02 06 00.1		4	675
2100 P-L	1960 10 26.35766	00 24 48.95	+01 57 04.8		4	675
2594 P-L	1993 04 17.35868	14 30 54.83	−11 10 42.5	19.0	9	675
2594 P-L	1993 04 17.38889	14 30 53.31	−11 10 35.9		9	675
2635 P-L	* 1960 09 24.46184	00 40 00.30	+04 40 15.9	18.5	4	675
2635 P-L	1960 09 25.42780	00 39 06.17	+04 32 53.5		4	675
2635 P-L	1960 09 26.30558	00 38 16.96	+04 26 07.9		4	675
2635 P-L	1960 09 28.36808	00 36 19.93	+04 10 09.6		4	675
2635 P-L	1960 09 28.39725	00 36 18.22	+04 09 54.7		4	675
2635 P-L	1960 10 17.31529	00 19 37.23	+01 51 12.4		4	675
2635 P-L	1960 10 22.22293	00 16 11.86	+01 21 40.9		4	675
2635 P-L	1960 10 22.26809	00 16 10.03	+01 21 24.2		4	675
2635 P-L	1960 10 25.30351	00 14 20.12	+01 05 14.0		4	675
2635 P-L	1960 10 26.32573	00 13 46.30	+01 00 09.1		4	675
2635 P-L	1960 10 26.35766	00 13 45.27	+00 59 59.0		4	675
2799 P-L	1988 09 11.29271	23 23 44.63	+09 51 00.5	18.8	9	675
2799 P-L	1988 09 11.32726	23 23 43.29	+09 50 24.5		9	675
2839 P-L	* 1960 09 24.43750	00 43 41.84	+05 48 57.5	20.0	4	675
2839 P-L	1960 09 24.46184	00 43 40.48	+05 48 50.8		4	675
2839 P-L	1960 09 26.35694	00 42 02.46	+05 40 34.6		4	675
2839 P-L	1960 09 26.37988	00 42 01.20	+05 40 30.0		4	675
2839 P-L	1960 09 28.41742	00 40 14.53	+05 31 27.6		4	675
2839 P-L	1960 09 28.43822	00 40 13.38	+05 31 20.4		4	675
2839 P-L	1960 09 29.37153	00 39 24.47	+05 27 10.0		4	675
2839 P-L	1960 09 29.39514	00 39 23.12	+05 27 03.8		4	675
4517 P-L	1988 10 13.43976	01 20 57.12	+11 33 06.1	16.0	9	675
4517 P-L	1988 10 13.47396	01 20 54.78	+11 33 02.8		9	675
4735 P-L	1994 09 12.34236	23 24 44.33	−08 43 40.7		9	675
4735 P-L	1994 09 12.37344	23 24 42.53	−08 43 52.0		9	675
4780 P-L	* 1960 09 24.41183	00 27 26.95	+02 58 53.3	19.1	4	675
4780 P-L	1960 09 26.31530	00 26 08.01	+02 47 58.5		4	675
4780 P-L	1960 09 27.40836	00 25 22.31	+02 41 41.6		4	675
4780 P-L	1960 09 28.39725	00 24 40.86	+02 35 56.5		4	675

4780 P-L		1960 10 17.27085	00 12 07.81	+00 50 48.0		4	675
4780 P-L		1960 10 22.22293	00 09 20.11	+00 26 43.0		4	675
4780 P-L		1960 10 25.25350	00 07 47.22	+00 13 12.2		4	675
4896 P-L	*	1960 09 26.31530	00 37 49.91	−00 16 05.8	18.1	4	675
4896 P-L		1960 09 27.40836	00 37 01.65	−00 21 42.0		4	675
4896 P-L		1960 09 28.39725	00 36 17.91	−00 26 47.8		4	675
4896 P-L		1960 10 17.31529	00 23 01.47	−01 51 00.2		4	675
6186 P-L	*	1960 09 24.33613	23 56 06.67	+03 50 14.1	18.8	4	675
6186 P-L		1960 09 25.32502	23 55 17.55	+03 40 12.0		4	675
6186 P-L		1960 09 26.27573	23 54 30.87	+03 30 35.7		4	675
6186 P-L		1960 09 28.32780	23 52 51.65	+03 09 55.4		4	675
6186 P-L		1960 10 17.21390	23 41 26.23	+00 22 32.5		4	675
6186 P-L		1960 10 22.15559	23 39 59.16	−00 10 01.7		4	675
6186 P-L		1960 10 26.26113	23 39 20.49	−00 32 34.6		4	675
6533 P-L		1993 05 24.24601	13 56 13.32	−09 01 56.1		9	675
6533 P-L		1993 05 24.27969	13 56 12.39	−09 01 53.4		9	675
6547 P-L		1994 08 03.44757	23 43 45.31	−07 18 09.3	17.5	9	675
6547 P-L		1994 08 03.47622	23 43 45.36	−07 18 10.7		9	675
6547 P-L		1994 09 12.34236	23 24 05.55	−09 15 14.8	15.8	9	675
6547 P-L		1994 09 12.37344	23 24 03.88	−09 15 21.5		9	675
6547 P-L		1994 10 01.18490	23 09 33.19	−09 55 38.6	17.2	9	675
6547 P-L		1994 10 01.21406	23 09 32.05	−09 55 38.8		9	675
6585 P-L	*	1960 09 24.35002	00 02 49.01	−01 52 51.2	18.4	4	675
6585 P-L		1960 09 26.28543	00 01 25.16	−02 03 25.8		4	675
6585 P-L		1960 09 27.34237	00 00 39.57	−02 09 07.2		4	675
6585 P-L		1960 09 28.33822	23 59 56.92	−02 14 26.4		4	675
6585 P-L		1960 10 17.22501	23 48 19.22	−03 38 35.6		4	675
6585 P-L		1960 10 22.16324	23 46 11.88	−03 53 14.2		4	675
6585 P-L		1960 10 24.23753	23 45 27.24	−03 58 15.8		4	675
6585 P-L		1960 10 26.27157	23 44 48.90	−04 02 32.1		4	675
6628 P-L		1994 09 30.21024	22 36 26.38	−09 22 44.2	18.5	9	675
6628 P-L		1994 09 30.24271	22 36 25.56	−09 22 50.1		9	675
9534 P-L		1960 09 24.35002	23 50 34.18	−01 38 30.3		4	675
9534 P-L	*	1960 10 17.22501	23 34 01.51	−03 51 37.5	18.8	4	675
9534 P-L		1960 10 22.16324	23 31 46.90	−04 10 30.4		4	675
9534 P-L		1960 10 24.23753	23 31 01.04	−04 17 07.4		4	675
9534 P-L		1960 10 26.27157	23 30 22.24	−04 22 54.0		4	675
1171 T-1		1991 12 02.24253	04 11 01.85	+11 50 52.5		9	675
1171 T-1		1991 12 02.27569	04 10 59.75	+11 50 42.5		9	675
2205 T-1		1994 08 03.44757	23 47 29.55	−07 29 17.2	18.0	9	675
2205 T-1		1994 08 03.47622	23 47 28.90	−07 29 20.1		9	675
2205 T-1		1994 09 11.31667	23 17 32.59	−09 18 39.3	17.8	9	675
2205 T-1		1994 09 11.34826	23 17 30.59	−09 18 45.8		9	675
2205 T-1		1994 09 12.34236	23 16 29.65	−09 21 43.9		9	675
2205 T-1		1994 09 12.37344	23 16 27.75	−09 21 49.5		9	675
2205 T-1		1994 10 01.18490	22 58 57.95	−09 59 14.1	18.0	9	675
2205 T-1		1994 10 01.21406	22 58 56.56	−09 59 14.9		9	675
4033 T-1		1971 03 24.40486	12 24 04.85	−00 37 24.2		4	675
4033 T-1		1971 03 26.25208	12 22 26.86	−00 22 10.5		4	675
4033 T-1		1971 03 26.31007	12 22 23.73	−00 21 44.0		4	675
4033 T-1	*	1971 03 26.34896	12 22 21.53	−00 21 24.5	19.0	4	675
4033 T-1		1971 03 27.31181	12 21 30.26	−00 13 28.6		4	675
4033 T-1		1971 03 27.35208	12 21 27.95	−00 13 08.5		4	675
4033 T-1		1971 04 02.41285	12 16 05.58	+00 36 09.2		4	675
4033 T-1		1971 04 16.16458	12 05 05.44	+02 16 08.6		4	675
4033 T-1		1971 04 16.25069	12 05 01.59	+02 16 42.9		4	675
4033 T-1		1971 05 13.17535	11 54 59.40	+03 57 16.5	18.5	4	675
4033 T-1		1971 05 14.20694	11 54 59.13	+03 58 10.4		4	675
4033 T-1		1971 05 16.31510	11 55 03.91	+03 59 21.5		4	675
4033 T-1		1994 09 30.21024	22 56 15.68	−06 56 08.6		9	675
4033 T-1		1994 09 30.24271	22 56 14.55	−06 56 22.5		9	675
4062 T-1		1971 03 24.40486	12 25 26.45	+00 37 16.1		4	675
4062 T-1		1971 03 26.31007	12 24 09.59	+00 51 14.9		4	675
4062 T-1	*	1971 03 26.34896	12 24 07.89	+00 51 32.3	17.9	4	675
4062 T-1		1971 03 27.35208	12 23 27.22	+00 58 53.0		4	675
4062 T-1		1971 04 02.41285	12 19 23.78	+01 42 19.5		4	675
4062 T-1		1971 04 16.16458	12 11 02.21	+03 10 22.4		4	675
4062 T-1		1971 04 16.25069	12 10 59.21	+03 10 50.0		4	675
4062 T-1		1971 05 13.17535	12 02 22.13	+04 50 31.7		4	675
4062 T-1		1971 05 14.20694	12 02 17.92	+04 52 06.0		4	675
4062 T-1		1971 05 16.31510	12 02 13.30	+04 54 53.3		4	675
4062 T-1		1988 03 18.39340	12 16 46.39	+00 50 57.6		9	675
4062 T-1		1988 03 18.42309	12 16 45.06	+00 51 12.5	18.2	9	675
4178 T-1		1971 03 24.40486	12 33 06.99	+02 05 13.4		4	675
4178 T-1		1971 03 26.31007	12 31 23.59	+02 14 08.4		4	675
4178 T-1	*	1971 03 26.34896	12 31 21.35	+02 14 19.2	18.3	4	675
4178 T-1		1971 03 27.35208	12 30 26.14	+02 18 54.1		4	675
4178 T-1		1971 04 02.43993	12 24 50.01	+02 45 06.6		4	675
4178 T-1		1971 04 16.16458	12 13 31.95	+03 25 02.8		4	675
4178 T-1		1971 04 16.21476	12 13 29.38	+03 25 09.1		4	675
4178 T-1		1971 04 16.25069	12 13 28.10	+03 25 12.4		4	675
4178 T-1		1971 04 16.27708	12 13 26.46	+03 25 15.8		4	675
4178 T-1		1971 05 13.17535	12 05 25.66	+02 51 30.8		4	675
4178 T-1		1971 05 13.20278	12 05 25.70	+02 51 22.6		4	675
4178 T-1		1971 05 14.20694	12 05 34.97	+02 47 09.8		4	675
4178 T-1		1971 05 14.23246	12 05 35.14	+02 47 01.1		4	675
4178 T-1		1971 05 16.29774	12 05 59.83	+02 37 43.2		4	675
4178 T-1		1971 05 16.31510	12 06 00.05	+02 37 39.4		4	675
4271 T-1		1994 09 12.33455	23 37 16.36	−13 01 26.3	17.8	9	675
4271 T-1		1994 09 12.34236	23 37 15.89	−13 01 27.7		9	675
4271 T-1		1994 09 12.36667	23 37 14.36	−13 01 32.3		9	675
4271 T-1		1994 09 12.37344	23 37 13.92	−13 01 33.9		9	675
4271 T-1		1994 10 01.18490	23 19 37.63	−13 26 55.5	18.0	9	675
4271 T-1		1994 10 01.21406	23 19 36.20	−13 26 53.7		9	675
4825 T-1		1988 03 18.39340	12 20 04.87	+02 41 38.7	17.8	9	675
4825 T-1		1988 03 18.42309	12 20 03.06	+02 41 48.4		9	675
1102 T-2		1973 09 19.18611	00 12 40.36	+02 11 35.3		4	675
1102 T-2		1973 09 19.23785	00 12 37.98	+02 11 18.5		4	675
1102 T-2		1973 09 20.22847	00 11 52.99	+02 05 58.4		4	675
1102 T-2		1973 09 24.34688	00 08 44.22	+01 43 27.1		4	675
1102 T-2		1973 09 24.41597	00 08 40.86	+01 43 05.1		4	675
1102 T-2		1973 09 25.24375	00 08 03.29	+01 38 33.5		4	675
1102 T-2		1973 09 25.30729	00 08 00.15	+01 38 11.4		4	675
1102 T-2	*	1973 09 29.25330	00 05 00.31	+01 16 32.6	19.3	4	675

1102 T-2		1973 09 29.31806	00 04 57.35	+01 16 09.2		4	675
1102 T-2		1973 09 30.21007	00 04 17.17	+01 11 19.3		4	675
1102 T-2		1973 09 30.27431	00 04 14.30	+01 10 58.6		4	675
1102 T-2		1973 10 04.28958	00 01 17.33	+00 49 26.4		4	675
1102 T-2		1973 10 04.35208	00 01 14.51	+00 49 08.3		4	675
1102 T-2		1973 10 05.31684	00 00 33.03	+00 44 07.9		4	675
1102 T-2		1973 10 05.37917	00 00 30.21	+00 43 49.1		4	675
1196 T-2		1973 09 19.18611	00 21 13.45	+02 17 27.1		4	675
1196 T-2		1973 09 19.23785	00 21 10.57	+02 17 15.8		4	675
1196 T-2		1973 09 20.22847	00 20 16.81	+02 13 23.2		4	675
1196 T-2		1973 09 24.34688	00 16 30.43	+01 56 51.8		4	675
1196 T-2		1973 09 24.41597	00 16 26.54	+01 56 36.5		4	675
1196 T-2		1973 09 25.30729	00 15 37.34	+01 53 00.0		4	675
1196 T-2	*	1973 09 29.25330	00 12 00.44	+01 37 03.7	18.9	4	675
1196 T-2		1973 09 29.31806	00 11 56.77	+01 36 47.7		4	675
1196 T-2		1973 09 30.21007	00 11 08.37	+01 33 13.2		4	675
1196 T-2		1973 09 30.27431	00 11 04.73	+01 32 57.9		4	675
1196 T-2		1973 10 04.28958	00 07 29.75	+01 17 09.6		4	675
1196 T-2		1973 10 04.35208	00 07 26.31	+01 16 54.8		4	675
1196 T-2		1973 10 05.31684	00 06 36.21	+01 13 14.2		4	675
1196 T-2		1973 10 05.37917	00 06 32.76	+01 12 59.5		4	675
1344 T-2		1988 11 06.44531	03 06 07.48	+13 39 09.6		9	675
1344 T-2		1988 11 06.47760	03 06 05.86	+13 39 01.3	18.0	9	675
2084 T-2		1994 04 04.27378	11 58 52.77	+00 04 13.6		9	675
2240 T-2		1973 09 19.19948	00 49 57.29	+03 05 04.2		4	675
2240 T-2		1973 09 19.25006	00 49 54.51	+03 04 53.6		4	675
2240 T-2		1973 09 20.26458	00 48 57.87	+03 01 44.0		4	675
2240 T-2		1973 09 24.36181	00 45 00.96	+02 48 24.9		4	675
2240 T-2		1973 09 24.42847	00 44 56.91	+02 48 12.4		4	675
2240 T-2		1973 09 25.25642	00 44 08.12	+02 45 23.2		4	675
2240 T-2		1973 09 25.32031	00 44 04.26	+02 45 10.1		4	675
2240 T-2		1973 09 29.26632	00 40 05.66	+02 31 41.8		4	675
2240 T-2	*	1973 09 29.33073	00 40 01.62	+02 31 29.5	18.0	4	675
2240 T-2		1973 09 30.22257	00 39 07.22	+02 28 25.6		4	675
2240 T-2		1973 09 30.28785	00 39 03.01	+02 28 11.1		4	675
2240 T-2		1973 10 04.30208	00 34 56.68	+02 14 27.2		4	675
2240 T-2		1973 10 04.36476	00 34 52.69	+02 14 14.8		4	675
2240 T-2		1973 10 05.32917	00 33 53.88	+02 10 59.0		4	675
2240 T-2		1973 10 05.39132	00 33 49.98	+02 10 46.5		4	675
2240 T-2		1991 09 17.40885	00 37 44.21	+01 09 26.8		9	675
2240 T-2		1991 09 17.45938	00 37 41.24	+01 09 17.4	18.0	9	675
2240 T-2		1993 01 28.40920	09 16 37.33	+27 47 11.5	17.5	9	675
2240 T-2		1993 01 28.44931	09 16 34.60	+27 47 21.1		9	675
3067 T-2		1988 03 18.39340	12 16 35.37	+01 42 58.4	17.0	9	675
3067 T-2		1988 03 18.42309	12 16 33.69	+01 43 11.5		9	675
3297 T-2		1988 10 13.43976	01 27 34.80	+06 47 35.5	17.8	9	675
3297 T-2		1988 10 13.47396	01 27 32.74	+06 47 25.2		9	675
4101 T-2		1988 03 18.39340	12 18 03.70	+01 02 09.7	17.5	9	675
4101 T-2		1988 03 18.42309	12 18 02.37	+01 02 16.7		9	675
4165 T-2		1994 09 30.24271	22 32 47.78	−08 43 13.0		9	675
5200 T-2		1992 04 04.39444	14 55 47.51	−28 08 25.7		9	675
5200 T-2		1992 04 04.42951	14 55 46.54	−28 08 29.1		9	675
2416 T-3		1988 10 13.43976	01 14 45.29	+10 27 17.2	17.0	9	675
2416 T-3		1988 10 13.47396	01 14 43.22	+10 27 04.1		9	675
2664 T-3		1988 10 13.43976	01 15 53.95	+10 09 01.0	18.0	9	675
2664 T-3		1988 10 13.47396	01 15 51.83	+10 08 50.1		9	675
2672 T-3		1993 04 17.35868	14 29 26.18	−09 56 51.1	19.2	9	675
2672 T-3		1993 04 17.38889	14 29 24.87	−09 56 37.4		9	675
3164 T-3		1993 04 17.35868	14 21 24.84	−08 02 42.8	18.5	9	675
3164 T-3		1993 04 17.38889	14 21 23.49	−08 02 27.7		9	675
3395 T-3		1991 09 17.40885	00 19 15.77	+01 51 28.4		9	675
3395 T-3		1991 09 17.45938	00 19 13.09	+01 51 04.4	18.0	9	675
(1)		1991 04 16.42830	14 01 55.58	+02 17 32.6		9	675
(1)		1991 04 16.47118	14 01 53.25	+02 17 39.4		9	675
(1)		1991 05 15.24861	13 38 42.16	+02 26 15.9		9	675
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(13)		1993 04 17.35868	14 41 41.02	−12 04 34.9		9	675
(13)		1993 04 17.38889	14 41 39.12	−12 04 37.7		9	675
(13)		1993 05 24.24601	14 03 59.52	−13 10 29.6		9	675
(13)		1993 05 24.27969	14 03 57.94	−13 10 34.1		9	675
(35)		1990 03 27.39722	13 06 01.20	−12 09 46.3		9	675
(35)		1990 03 27.42865	13 05 59.56	−12 09 47.3		9	675
(57)		1988 10 13.43976	01 06 27.80	+07 21 36.8		9	675
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(62)		1990 03 27.39722	13 12 22.17	−04 34 56.1		9	675
(62)		1990 03 27.42865	13 12 20.80	−04 34 48.0		9	675
(62)		1990 04 22.30573	12 54 12.38	−02 39 49.8		9	675
(62)		1990 04 22.33785	12 54 11.18	−02 39 43.0		9	675
(71)		1989 09 03.21424	21 44 39.63	−02 46 36.1		9	675
(71)		1989 09 03.24497	21 44 37.75	−02 46 34.6		9	675
(90)		1993 03 24.45347	14 26 09.19	−12 15 42.8		9	675
(90)		1993 03 24.48438	14 26 08.30	−12 15 38.9		9	675
(90)		1993 05 24.24601	13 45 37.97	−09 08 18.1		9	675
(90)		1993 05 24.27969	13 45 36.96	−09 08 14.9		9	675
(96)		1988 11 07.17465	23 32 59.92	+14 20 07.5		9	675
(96)		1988 11 07.21042	23 32 59.34	+14 19 59.6		9	675
(112)		1994 04 04.27378	12 02 52.45	−03 20 03.1		9	675
(112)		1994 04 04.31667	12 02 50.10	−03 19 49.8		9	675
(136)		1989 09 03.21424	21 39 13.87	−03 21 43.2		9	675
(136)		1989 09 03.24497	21 39 12.56	−03 22 03.0		9	675
(168)		1988 10 13.43976	01 25 58.15	+09 40 47.6		9	675
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(186)		1988 10 13.43976	01 17 50.35	+11 14 44.2		9	675
(186)		1988 10 13.47396	01 17 47.78	+11 14 47.5		9	675
(205)		1993 03 23.50885	14 47 36.94	−16 25 24.7		9	675
(208)		1990 03 27.39722	13 19 14.93	−08 56 10.5		9	675
(208)		1990 03 27.42865	13 19 13.44	−08 56 03.3		9	675
(208)		1990 04 22.30573	12 58 48.61	−07 06 45.8		9	675
(208)		1990 04 22.33785	12 58 47.18	−07 06 38.8		9	675
(214)		1990 03 27.39722	13 21 01.40	−11 52 41.7		9	675
(214)		1990 03 27.42865	13 20 59.81	−11 52 35.9		9	675
(214)		1990 04 22.30573	12 58 20.58	−10 06 49.0		9	675
(214)		1990 04 22.33785	12 58 18.99	−10 06 41.0		9	675
(237)		1993 01 28.40920	09 05 55.29	+27 34 29.0		9	675

(237)	1993 01 28.44931	09 05 53.01	+27 34 44.1	9	675
(247)	1994 04 04.27378	11 54 39.44	−02 20 50.3	9	675
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(254)	1990 03 27.39722	13 16 49.72	−05 40 57.4	9	675
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(267)	1993 04 17.35868	14 40 45.15	−09 17 47.3	9	675
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(267)	1994 09 11.31667	23 05 31.59	−16 12 31.1	9	675
(267)	1994 09 11.34826	23 05 29.94	−16 12 39.3	9	675
(268)	1990 04 22.30573	12 57 16.32	−02 05 15.8	9	675
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(293)	1993 07 27.44878	00 24 18.81	−18 57 21.4	9	675
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(300)	1988 10 13.43976	01 08 21.76	+06 46 06.2	9	675
(300)	1988 10 13.47396	01 08 20.26	+06 45 58.0	9	675
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(480)	1988 11 07.21042	23 06 19.41	+17 40 50.8	9	675
(494)	1993 03 24.45347	14 30 23.88	−12 44 11.1	9	675
(494)	1993 03 24.48438	14 30 22.96	−12 44 10.5	9	675
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(508)	1993 05 24.24601	13 49 47.45	−09 24 58.6	9	675
(508)	1993 05 24.27969	13 49 46.34	−09 25 00.6	9	675
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(583)	1989 09 03.21424	21 20 52.71	−04 36 02.8	9	675
(583)	1989 09 03.24497	21 20 51.51	−04 36 09.9	9	675
(601)	1988 03 18.39340	12 40 52.94	+02 17 39.1	9	675
(601)	1988 03 18.42309	12 40 51.83	+02 17 54.4	9	675
(615)	1994 04 04.27378	11 50 35.78	+01 53 18.3	9	675
(615)	1994 04 04.31667	11 50 33.58	+01 53 28.2	9	675
(651)	1993 01 28.40920	09 06 55.26	+33 06 04.3	9	675
(651)	1993 01 28.44931	09 06 52.91	+33 06 13.0	9	675
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(681)	1991 04 16.47118	13 57 26.59	−02 13 51.4	9	675
(681)	1991 05 15.24861	13 38 57.28	+00 37 59.1	9	675
(681)	1991 05 15.28073	13 38 56.29	+00 38 06.7	9	675
(698)	1993 05 24.24601	13 43 40.88	−10 19 51.1	9	675
(698)	1993 05 24.27969	13 43 39.77	−10 19 54.1	9	675
(713)	1993 03 24.45347	14 14 29.68	−15 56 40.1	9	675
(713)	1993 03 24.48438	14 14 28.80	−15 56 33.7	9	675
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(713)	1993 05 24.27969	13 38 50.53	−10 51 14.1	9	675
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(722)	1994 10 01.18490	23 24 09.24	−12 56 32.6	9	675
(722)	1994 10 01.21406	23 24 07.70	−12 56 31.7	9	675
(724)	1990 04 22.30573	13 00 01.83	−07 17 54.7	9	675
(743)	1993 03 24.45347	14 20 06.08	−16 43 55.5	9	675
(743)	1993 03 24.48438	14 20 05.11	−16 43 50.0	9	675
(743)	1993 05 24.24601	13 38 30.40	−11 36 37.5	9	675
(743)	1993 05 24.27969	13 38 29.52	−11 36 29.2	9	675
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(767)	1988 03 18.42309	12 10 24.54	+02 26 23.0	9	675
(780)	1994 08 03.44757	00 02 14.65	−08 26 54.6	9	675
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(782)	1988 03 18.39340	12 33 38.34	+06 59 46.3	9	675
(782)	1988 03 18.42309	12 33 36.59	+06 59 57.8	9	675
(801)	1991 04 16.42830	14 14 23.68	−03 19 58.6	9	675
(801)	1991 04 16.47118	14 14 21.69	−03 19 31.0	9	675
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(802)	1988 10 13.43976	01 16 00.49	+10 19 19.4	9	675
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(808)	1990 03 27.39722	13 23 18.94	−06 45 22.5	9	675
(808)	1990 03 27.42865	13 23 17.53	−06 45 10.5	9	675
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(811)	1994 08 03.44757	00 04 23.02	−02 05 44.2	9	675
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(824)	1991 05 15.28073	13 25 15.65	+03 24 04.1	9	675
(837)	1989 09 03.21424	21 37 46.21	−04 38 00.2	9	675
(837)	1989 09 03.24497	21 37 44.73	−04 38 14.6	9	675
(847)	1994 09 30.21024	22 30 02.51	−05 25 05.6	9	675
(847)	1994 09 30.24271	22 30 01.49	−05 25 13.0	9	675
(903)	1994 08 03.44757	23 55 31.44	−01 53 54.4	9	675
(903)	1994 08 03.47622	23 55 31.21	−01 54 02.2	9	675
(903)	1994 09 12.34236	23 38 04.95	−06 10 17.1	9	675
(903)	1994 09 12.37344	23 38 03.70	−06 10 31.1	9	675
(915)	1993 03 23.46667	14 30 10.61	−17 25 47.5	9	675
(915)	1993 03 23.50885	14 30 09.05	−17 25 47.3	9	675
(915)	1994 09 11.31667	23 04 38.68	−10 41 34.6	9	675
(915)	1994 09 11.34826	23 04 36.56	−10 41 39.4	9	675
(915)	1994 09 30.21024	22 46 42.18	−11 05 11.5	9	675

(915)	1994 09 30.24271	22 46 40.61	−11 05 11.3	9 675	(1142)	1993 05 21.21979	14 05 47.36	−09 28 21.2	9 675
(922)	1993 03 23.46667	14 28 58.78	−14 16 48.8	9 675	(1142)	1993 05 21.25347	14 05 46.17	−09 28 16.7	9 675
(922)	1993 03 23.50885	14 28 57.68	−14 16 39.8	9 675	(1142)	1993 05 24.24601	14 04 13.97	−09 21 39.1	9 675
(922)	1993 03 24.45347	14 28 34.30	−14 12 36.3	9 675	(1142)	1993 05 24.27969	14 04 12.96	−09 21 34.5	9 675
(922)	1993 03 24.48438	14 28 33.46	−14 12 29.1	9 675	(1148)	1991 04 16.42830	14 23 27.33	+01 02 39.0	9 675
(922)	1993 05 21.21979	13 47 24.82	−08 21 36.6	9 675	(1148)	1991 04 16.47118	14 23 25.50	+01 02 55.3	9 675
(922)	1993 05 21.25347	13 47 23.60	−08 21 25.2	9 675	(1149)	1992 04 04.39444	14 53 32.68	−28 15 32.0	9 675
(948)	1990 03 27.39722	13 01 25.91	−10 41 53.4	9 675	(1149)	1992 04 04.42951	14 53 31.41	−28 15 27.3	9 675
(948)	1990 03 27.42865	13 01 24.23	−10 41 50.8	9 675	(1190)	1993 03 24.45347	14 05 30.41	−12 21 55.5	9 675
(956)	1990 03 27.39722	13 14 26.89	−07 34 09.7	9 675	(1190)	1993 03 24.48438	14 05 29.05	−12 21 52.0	9 675
(956)	1990 03 27.42865	13 14 25.21	−07 33 54.7	9 675	(1195)	1989 09 03.21424	21 22 01.90	−04 45 43.6	9 675
(956)	1990 04 22.30573	12 50 57.99	−03 58 06.3	9 675	(1195)	1992 04 04.39444	14 38 30.11	−29 32 40.7	9 675
(956)	1990 04 22.33785	12 50 56.33	−03 57 51.9	9 675	(1195)	1992 04 04.42951	14 38 29.22	−29 32 42.9	9 675
(966)	1988 11 06.44531	03 19 04.67	+08 52 28.6	9 675	(1214)	1988 09 11.34566	23 37 44.74	+14 26 11.5	9 675
(966)	1988 11 06.47760	03 19 02.74	+08 52 27.7	9 675	(1214)	1988 09 11.37943	23 37 42.93	+14 26 06.2	9 675
(991)	1994 08 03.44757	23 52 30.97	−04 00 47.3	9 675	(1214)	1988 10 08.22691	23 16 19.95	+12 16 43.4	9 675
(991)	1994 08 03.47622	23 52 30.70	−04 00 50.2	9 675	(1214)	1988 10 08.26771	23 16 18.41	+12 16 28.3	9 675
(991)	1994 09 12.34236	23 31 50.70	−06 28 04.1	9 675	(1223)	1994 09 11.34826	22 50 13.20	−11 03 16.4	9 675
(991)	1994 09 12.37344	23 31 49.22	−06 28 12.6	9 675	(1223)	1994 09 30.21024	22 37 04.61	−12 02 20.7	9 675
(1002)	1992 04 04.39444	15 11 48.30	−31 05 06.7	9 675	(1223)	1994 09 30.24271	22 37 03.52	−12 02 23.7	9 675
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(1007)	1994 09 30.21024	22 42 05.83	−05 12 01.8	9 675	(1229)	1993 03 24.48438	14 09 11.63	−12 52 18.5	9 675
(1007)	1994 09 30.24271	22 42 04.65	−05 12 08.1	9 675	(1233)	1988 09 11.34566	23 51 57.03	+08 09 25.9	9 675
(1011)	1991 05 15.24861	13 24 25.37	+01 25 47.4	9 675	(1233)	1988 09 11.37943	23 51 55.28	+08 09 18.7	9 675
(1011)	1991 05 15.28073	13 24 24.54	+01 25 44.3	9 675	(1243)	1988 10 08.22691	23 33 15.79	+15 43 26.4	9 675
(1020)	1994 04 04.27378	11 47 16.16	+01 36 34.6	9 675	(1243)	1988 10 08.26771	23 33 14.32	+15 43 07.2	9 675
(1020)	1994 04 04.31667	11 47 14.30	+01 36 50.3	9 675	(1243)	1988 11 07.17465	23 24 05.67	+11 56 53.3	9 675
(1061)	1994 04 04.27378	12 11 55.12	+02 24 02.7	9 675	(1243)	1988 11 07.21042	23 24 05.67	+11 56 39.7	9 675
(1061)	1994 04 04.31667	12 11 53.28	+02 24 13.0	9 675	(1247)	1988 10 13.43976	01 32 47.43	+07 53 30.2	9 675
(1081)	1990 03 27.39722	13 18 22.45	−06 42 04.6	9 675	(1247)	1988 10 13.47396	01 32 45.82	+07 53 20.3	9 675
(1081)	1990 03 27.42865	13 18 21.04	−06 41 57.7	9 675	(1268)	1988 10 13.43976	01 09 44.13	+10 20 44.0	9 675
(1081)	1990 04 22.30573	12 59 15.88	−05 07 44.6	9 675	(1268)	1988 10 13.47396	01 09 42.78	+10 20 37.2	9 675
(1081)	1990 04 22.33785	12 59 14.51	−05 07 39.4	9 675	(1278)	1993 07 27.44878	00 24 28.11	−15 54 09.0	9 675
(1084)	1993 03 23.46667	14 42 54.20	−13 36 50.9	9 675	(1278)	1993 07 27.47431	00 24 29.45	−15 54 18.8	9 675
(1084)	1993 03 23.50885	14 42 53.42	−13 36 44.0	9 675	(1283)	1994 09 11.31667	23 05 11.42	−07 59 57.5	9 675
(1084)	1993 04 17.35868	14 29 04.32	−11 41 09.6	9 675	(1283)	1994 09 11.34826	23 05 10.08	−08 00 12.3	9 675
(1084)	1993 04 17.38889	14 29 02.82	−11 40 59.4	9 675	(1283)	1994 09 30.21024	22 53 44.84	−10 17 08.4	9 675
(1084)	1993 05 24.24601	14 00 56.66	−08 30 31.1	9 675	(1283)	1994 09 30.24271	22 53 43.82	−10 17 21.0	9 675
(1084)	1993 05 24.27969	14 00 55.51	−08 30 24.6	9 675	(1283)	1994 10 01.18490	22 53 16.71	−10 23 02.8	9 675
(1089)	1988 03 18.39340	12 31 40.48	+03 12 27.5	9 675	(1283)	1994 10 01.21406	22 53 15.78	−10 23 13.7	9 675
(1089)	1988 03 18.42309	12 31 38.64	+03 12 38.2	9 675	(1294)	1993 04 17.35868	14 43 56.36	−06 42 46.1	9 675
(1101)	1990 04 22.33785	12 44 35.29	−07 00 38.9	9 675	(1294)	1993 04 17.38889	14 43 54.86	−06 42 40.5	9 675
(1107)	1994 08 03.44757	23 49 34.38	−09 01 49.8	9 675	(1356)	1993 01 28.40920	09 00 52.14	+27 17 45.8	9 675
(1107)	1994 08 03.47622	23 49 33.96	−09 01 57.7	9 675	(1356)	1993 01 28.44931	09 00 49.98	+27 17 57.1	9 675
(1107)	1994 09 12.34236	23 28 44.14	−12 38 27.3	9 675	(1401)	1988 09 11.29271	23 17 50.46	+12 12 26.7	9 675
(1107)	1994 09 12.37344	23 28 42.77	−12 38 37.4	9 675	(1401)	1988 09 11.32726	23 17 48.45	+12 12 21.3	9 675
(1107)	1994 10 01.18490	23 15 46.76	−14 04 06.1	9 675	(1406)	1992 04 04.39444	14 48 29.68	−33 00 20.1	9 675
(1107)	1994 10 01.21406	23 15 45.65	−14 04 12.6	9 675	(1406)	1992 04 04.42951	14 48 28.05	−33 00 25.6	9 675
(1142)	1993 03 23.46667	14 42 42.13	−12 51 57.4	9 675	(1445)	1994 04 04.27378	12 15 56.40	+01 38 51.2	9 675
(1142)	1993 03 23.50885	14 42 41.23	−12 51 53.6	9 675	(1445)	1994 04 04.31667	12 15 54.53	+01 39 01.8	9 675
(1142)	1993 04 17.35868	14 29 35.77	−11 29 51.8	9 675	(1465)	1991 05 15.24861	13 28 50.68	+02 29 38.3	9 675
(1142)	1993 04 17.38889	14 29 34.48	−11 29 44.3	9 675	(1465)	1991 05 15.28073	13 28 49.91	+02 29 43.0	9 675

(1470)	1994 09 30.21024	22 56 54.93	−07 30 48.9		9	675	(1753)	1988 11 06.47760	02 52 36.48	+12 02 41.5		9	675
(1470)	1994 09 30.24271	22 56 53.72	−07 30 53.7		9	675	(1754)	1991 04 16.42830	13 53 04.31	+00 36 40.2		9	675
(1503)	1988 09 11.29271	23 12 02.12	+06 22 59.3		9	675	(1754)	1991 04 16.47118	13 53 02.73	+00 36 55.1		9	675
(1503)	1988 09 11.32726	23 12 00.07	+06 22 54.6		9	675	(1754)	1991 05 15.24861	13 37 06.84	+02 37 59.5		9	675
(1528)	1991 12 02.24253	04 19 32.31	+08 13 58.1		9	675	(1754)	1991 05 15.28073	13 37 05.98	+02 38 04.7		9	675
(1528)	1991 12 02.27569	04 19 30.17	+08 13 54.8		9	675	(1762)	1990 03 27.39722	13 08 26.15	−05 17 44.7		9	675
(1528)	1994 08 03.44757	00 14 17.61	−03 58 34.6		9	675	(1762)	1990 03 27.42865	13 08 24.72	−05 17 34.2		9	675
(1528)	1994 08 03.47622	00 14 17.47	−03 58 42.9		9	675	(1762)	1990 04 22.30573	12 48 58.53	−03 03 41.9		9	675
(1541)	1990 03 27.39722	13 25 58.17	−11 17 41.5		9	675	(1762)	1990 04 22.33785	12 48 57.16	−03 03 33.2		9	675
(1541)	1990 03 27.42865	13 25 56.63	−11 17 37.8		9	675	(1774)	1990 03 27.39722	13 23 38.76	−07 43 17.2		9	675
(1541)	1990 04 22.33785	13 03 42.91	−09 59 12.3		9	675	(1774)	1990 03 27.42865	13 23 37.37	−07 43 07.1		9	675
(1543)	1988 11 07.17465	23 13 00.34	+14 15 33.2		9	675	(1774)	1990 04 22.30573	13 03 53.21	−05 29 40.2		9	675
(1543)	1988 11 07.21042	23 13 01.43	+14 15 22.9		9	675	(1774)	1990 04 22.33785	13 03 51.85	−05 29 31.4		9	675
(1587)	1990 03 27.39722	13 18 21.63	−12 36 42.0		9	675	(1782)	1990 03 27.39722	13 06 34.85	−05 35 42.5		9	675
(1587)	1990 03 27.42865	13 18 19.80	−12 36 39.0		9	675	(1782)	1990 03 27.42865	13 06 33.42	−05 35 32.6		9	675
(1617)	1994 09 11.31667	22 55 41.18	−09 40 22.0		9	675	(1782)	1990 04 22.33785	12 47 39.39	−03 26 58.5		9	675
(1617)	1994 09 11.34826	22 55 39.91	−09 40 34.1		9	675	(1784)	1988 11 06.44531	03 04 18.92	+15 28 00.9		9	675
(1617)	1994 09 30.21024	22 44 31.99	−11 31 45.1		9	675	(1784)	1988 11 06.47760	03 04 16.88	+15 27 53.0		9	675
(1617)	1994 09 30.24271	22 44 30.95	−11 31 54.9		9	675	(1795)	1988 10 13.43976	01 09 20.31	+06 06 09.0		9	675
(1624)	1988 11 06.44531	03 20 09.83	+15 25 44.9		9	675	(1795)	1988 10 13.47396	01 09 18.74	+06 05 55.8		9	675
(1624)	1988 11 06.47760	03 20 08.18	+15 25 38.2		9	675	(1798)	1988 03 18.39340	12 35 38.36	+03 49 13.4		9	675
(1649)	1988 03 18.39340	12 21 43.73	+07 55 45.9		9	675	(1798)	1988 03 18.42309	12 35 36.46	+03 49 21.8		9	675
(1649)	1988 03 18.42309	12 21 42.45	+07 56 00.9		9	675	(1805)	1994 08 03.44757	23 46 51.16	−04 57 41.6		9	675
(1649)	1991 12 02.24253	04 32 32.13	+06 08 24.2		9	675	(1805)	1994 08 03.47622	23 46 50.68	−04 57 45.6		9	675
(1649)	1991 12 02.27569	04 32 30.39	+06 08 21.1		9	675	(1805)	1994 09 12.34236	23 24 32.96	−07 39 35.5		9	675
(1650)	1993 03 23.46667	14 32 05.05	−14 37 04.8		9	675	(1805)	1994 09 12.37344	23 24 31.59	−07 39 43.8		9	675
(1650)	1993 03 23.50885	14 32 04.43	−14 36 58.4		9	675	(1805)	1994 10 01.18490	23 11 37.73	−08 55 44.6		9	675
(1650)	1993 03 24.45347	14 31 52.09	−14 34 18.1		9	675	(1805)	1994 10 01.21406	23 11 36.60	−08 55 50.2		9	675
(1650)	1993 03 24.48438	14 31 51.52	−14 34 12.6		9	675	(1819)	1993 07 27.44878	00 21 28.87	−19 36 29.3		9	675
(1650)	1993 05 24.24601	13 51 13.25	−09 14 15.5		9	675	(1819)	1993 07 27.47431	00 21 29.26	−19 36 47.3		9	675
(1650)	1993 05 24.27969	13 51 12.43	−09 14 08.4		9	675	(1873)	1988 09 11.29271	23 35 57.94	+08 29 19.5		9	675
(1679)	1991 04 16.42830	13 55 49.13	+02 23 41.6		9	675	(1873)	1988 09 11.32726	23 35 56.87	+08 29 09.4		9	675
(1679)	1991 04 16.47118	13 55 47.39	+02 24 06.7		9	675	(1873)	1988 09 11.34566	23 35 56.52	+08 29 05.0		9	675
(1679)	1991 05 15.24861	13 38 05.77	+05 57 08.7		9	675	(1873)	1988 09 11.37943	23 35 55.60	+08 28 56.5		9	675
(1679)	1991 05 15.28073	13 38 04.84	+05 57 17.2		9	675	(1877)	1993 01 28.40920	09 15 43.36	+31 43 33.7		9	675
(1693)	1991 04 16.42830	14 12 51.40	+00 04 00.1		9	675	(1882)	1988 11 06.47760	02 53 37.65	+10 49 21.2		9	675
(1693)	1991 04 16.47118	14 12 48.95	+00 04 07.0		9	675	(1884)	1994 08 03.44757	00 13 22.75	−04 48 45.3		9	675
(1693)	1991 05 15.24861	13 46 19.97	+00 27 13.6		9	675	(1884)	1994 08 03.47622	00 13 22.21	−04 48 39.4		9	675
(1693)	1991 05 15.28073	13 46 18.39	+00 27 10.5		9	675	(1910)	1988 11 06.44531	02 59 29.30	+10 38 03.2		9	675
(1696)	1988 10 13.43976	01 34 33.15	+10 17 09.9		9	675	(1910)	1988 11 06.47760	02 59 27.74	+10 37 51.2		9	675
(1696)	1988 10 13.47396	01 34 30.95	+10 17 03.2		9	675	(1912)	1993 03 23.46667	14 37 58.25	−12 07 09.0	17.8	9	675
(1699)	1993 03 23.46667	14 42 35.87	−18 44 49.7		9	675	(1912)	1993 03 23.50885	14 37 57.19	−12 07 04.6		9	675
(1699)	1993 03 23.50885	14 42 34.98	−18 44 48.4		9	675	(1912)	1993 04 17.35868	14 22 15.75	−10 51 41.8		9	675
(1699)	1993 05 24.24601	13 50 56.67	−14 08 01.3		9	675	(1912)	1993 04 17.38889	14 22 14.19	−10 51 35.5		9	675
(1699)	1993 05 24.27969	13 50 55.33	−14 07 51.0		9	675	(1912)	1993 05 21.21979	13 56 48.32	−09 05 30.4		9	675
(1722)	1988 11 06.44531	03 09 53.30	+09 36 29.4		9	675	(1912)	1993 05 21.25347	13 56 47.12	−09 05 26.4		9	675
(1722)	1988 11 06.47760	03 09 51.46	+09 36 18.6		9	675	(1912)	1993 05 24.24601	13 55 07.21	−08 59 51.1	17.8	9	675
(1722)	1994 04 04.27378	11 54 09.38	+03 15 05.2		9	675	(1912)	1993 05 24.27969	13 55 06.16	−08 59 47.6		9	675
(1730)	1994 04 04.27378	12 09 25.19	+02 24 11.1		9	675	(1923)	1994 09 30.21024	22 43 08.60	−08 37 09.1		9	675
(1730)	1994 04 04.31667	12 09 23.29	+02 24 27.6		9	675	(1923)	1994 09 30.24271	22 43 07.23	−08 37 12.3		9	675
(1741)	1990 04 22.33785	13 14 00.29	−05 21 22.3		9	675	(1946)	1993 03 23.46667	14 37 30.17	−17 52 40.8		9	675
(1753)	1988 11 06.44531	02 52 38.19	+12 02 44.3		9	675	(1946)	1993 03 23.50885	14 37 28.80	−17 52 42.7		9	675

(1982)	1988 03 18.39340	12 15 38.81	+06 21 28.1		9	675
(1982)	1988 03 18.42309	12 15 36.93	+06 21 37.3		9	675
(1986)	1993 03 24.45347	14 28 43.60	−11 58 50.9		9	675
(1986)	1993 03 24.48438	14 28 42.74	−11 58 46.0		9	675
(1986)	1993 05 24.24601	13 49 35.65	−08 21 31.4		9	675
(2027)	1993 04 17.35868	14 21 02.07	−07 35 48.0		9	675
(2027)	1993 04 17.38889	14 21 00.55	−07 35 44.5		9	675
(2034)	1990 04 22.33785	13 10 38.01	−09 01 17.2		9	675
(2042)	1990 03 27.39722	13 29 09.01	−09 25 14.9		9	675
(2042)	1990 03 27.42865	13 29 07.41	−09 25 09.0		9	675
(2042)	1990 04 22.30573	13 06 59.34	−07 54 57.9		9	675
(2042)	1990 04 22.33785	13 06 57.71	−07 54 51.4		9	675
(2058)	1994 04 04.27378	12 04 08.31	+03 37 37.6		9	675
(2058)	1994 04 04.31667	12 04 06.39	+03 37 48.8		9	675
(2073)	1994 09 11.31667	22 56 14.50	−11 43 55.5		9	675
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(2086)	1994 08 03.44757	23 47 15.83	−05 32 01.6		9	675
(2086)	1994 08 03.47622	23 47 15.64	−05 32 09.3		9	675
(2086)	1994 09 12.34236	23 25 13.07	−10 32 55.1		9	675
(2086)	1994 09 12.37344	23 25 11.42	−10 33 10.4		9	675
(2086)	1994 10 01.18490	23 09 59.74	−12 48 16.7		9	675
(2086)	1994 10 01.21406	23 09 58.53	−12 48 25.9		9	675
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(2109)	1994 09 30.24271	22 53 16.32	−10 19 27.0		9	675
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(2114)	1993 03 24.45347	14 04 29.33	−12 57 38.4		9	675
(2114)	1993 03 24.48438	14 04 28.40	−12 57 34.7		9	675
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(2154)	1994 08 03.44757	23 59 39.45	−03 37 14.5		9	675
(2154)	1994 08 03.47622	23 59 39.00	−03 37 14.7		9	675
(2163)	1988 11 06.44531	03 21 50.74	+14 42 57.6		9	675
(2163)	1988 11 06.47760	03 21 49.08	+14 42 51.4		9	675
(2164)	1993 03 24.45347	14 14 55.39	−09 40 26.8		9	675
(2164)	1993 03 24.48438	14 14 54.42	−09 40 23.1		9	675
(2179)	1990 03 27.39722	13 23 17.23	−09 22 26.1		9	675
(2179)	1990 03 27.42865	13 23 15.68	−09 22 22.1		9	675
(2179)	1990 04 22.30573	13 01 44.42	−08 25 41.5		9	675
(2179)	1990 04 22.33785	13 01 42.83	−08 25 36.8		9	675
(2224)	1994 09 11.31667	23 11 54.07	−09 16 22.8		9	675
(2224)	1994 09 11.34826	23 11 52.52	−09 16 31.4		9	675
(2224)	1994 09 12.34236	23 11 04.63	−09 20 54.3		9	675
(2224)	1994 09 12.37344	23 11 03.07	−09 21 02.9		9	675
(2224)	1994 09 30.21024	22 58 02.49	−10 24 55.6		9	675
(2224)	1994 09 30.24271	22 58 01.27	−10 25 00.7		9	675
(2224)	1994 10 01.18490	22 57 27.05	−10 27 22.8	16.8	9	675
(2224)	1994 10 01.21406	22 57 25.95	−10 27 26.8		9	675
(2243)	1994 04 04.27378	12 07 47.21	+02 40 01.9		9	675
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(2257)	1993 03 24.45347	14 19 46.99	−17 21 46.9		9	675
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(2257)	1993 05 24.24601	13 32 45.71	−11 52 19.6		9	675
(2257)	1993 05 24.27969	13 32 44.57	−11 52 09.5		9	675
(2271)	1994 08 03.44757	23 52 59.48	−02 56 43.2		9	675
(2271)	1994 08 03.47622	23 52 59.22	−02 56 47.7		9	675
(2271)	1994 09 12.34236	23 31 52.60	−06 20 52.4		9	675
(2271)	1994 09 12.37344	23 31 51.07	−06 21 03.8		9	675
(2283)	1993 03 23.46667	14 59 52.12	−14 56 09.2		9	675
(2283)	1993 03 23.50885	14 59 51.82	−14 55 58.0		9	675
(2283)	1993 04 17.35868	14 48 55.21	−11 56 55.8		9	675
(2283)	1993 04 17.38889	14 48 53.74	−11 56 39.7		9	675
(2295)	1990 03 27.39722	13 08 31.72	−10 43 50.3		9	675
(2295)	1990 03 27.42865	13 08 30.19	−10 43 42.6		9	675
(2295)	1990 04 22.30573	12 48 30.92	−08 47 28.0		9	675
(2295)	1990 04 22.33785	12 48 29.58	−08 47 18.1		9	675
(2300)	1994 04 04.27378	12 14 58.16	−00 01 39.8		9	675
(2300)	1994 04 04.31667	12 14 56.07	−00 01 29.4		9	675
(2313)	1994 04 04.27378	11 47 43.68	−00 51 45.0		9	675
(2313)	1994 04 04.31667	11 47 41.52	−00 51 29.7		9	675
(2316)	1988 10 13.43976	01 38 08.91	+07 29 23.9		9	675
(2316)	1988 10 13.47396	01 38 06.91	+07 29 12.4		9	675
(2319)	1993 03 24.45347	14 17 44.52	−09 24 26.1		9	675
(2324)	1988 10 13.43976	01 05 19.81	+07 28 41.0		9	675
(2324)	1988 10 13.47396	01 05 18.38	+07 28 33.1		9	675
(2326)	1994 09 11.31667	22 51 49.17	−10 33 23.7		9	675
(2326)	1994 09 11.34826	22 51 47.77	−10 33 42.9		9	675
(2359)	1988 11 06.44531	03 16 41.24	+15 25 29.0		9	675
(2359)	1988 11 06.47760	03 16 39.29	+15 25 17.0		9	675
(2370)	1988 10 13.43976	01 28 12.35	+12 29 44.5		9	675
(2370)	1988 10 13.47396	01 28 10.39	+12 29 41.1		9	675
(2372)	1988 10 13.43976	01 24 55.27	+04 14 46.7		9	675
(2380)	1994 09 30.21024	22 42 37.04	−06 30 31.0		9	675
(2380)	1994 09 30.24271	22 42 35.64	−06 30 37.8		9	675
(2414)	1994 09 11.31667	23 16 41.68	−09 47 13.0		9	675
(2414)	1994 09 11.34826	23 16 39.89	−09 47 14.0		9	675
(2414)	1994 09 12.34236	23 15 45.02	−09 47 24.4		9	675
(2414)	1994 09 12.37344	23 15 43.23	−09 47 25.1		9	675
(2414)	1994 10 01.18490	22 59 33.13	−09 37 25.4		9	675
(2414)	1994 10 01.21406	22 59 31.74	−09 37 22.9		9	675
(2452)	1994 09 11.31667	23 02 46.75	−12 12 04.5		9	675
(2452)	1994 09 11.34826	23 02 45.20	−12 12 08.0		9	675
(2461)	1993 03 24.45347	14 12 32.97	−09 45 59.3		9	675
(2468)	1993 05 24.27969	14 08 25.06	−11 11 53.2		9	675
(2474)	1988 09 11.29271	23 07 54.82	+06 40 36.7		9	675
(2474)	1988 09 11.32726	23 07 53.02	+06 40 22.8		9	675
(2482)	1988 11 06.44531	03 16 58.36	+14 05 18.9		9	675
(2482)	1988 11 06.47760	03 16 56.59	+14 05 12.9		9	675
(2492)	1993 03 24.45347	14 16 13.95	−13 44 42.2		9	675
(2492)	1993 03 24.48438	14 16 13.00	−13 44 40.0		9	675
(2492)	1993 05 24.24601	13 36 25.89	−10 24 34.1		9	675
(2492)	1993 05 24.27969	13 36 25.05	−10 24 29.3		9	675
(2500)	1994 10 01.18490	23 14 57.70	−15 02 51.5		9	675
(2500)	1994 10 01.21406	23 14 56.17	−15 02 53.4		9	675
(2504)	1994 04 04.27378	11 59 32.38	+00 41 04.6		9	675

(2504)	1994 04 04.31667	11 59 30.25	+00 41 12.7		9	675
(2519)	1990 03 27.39722	13 16 29.14	−04 37 29.8		9	675
(2519)	1990 03 27.42865	13 16 27.76	−04 37 21.6		9	675
(2519)	1990 04 22.30573	12 57 28.61	−02 46 16.5		9	675
(2519)	1990 04 22.33785	12 57 27.35	−02 46 09.2		9	675
(2534)	1990 03 27.39722	13 05 07.76	−06 24 36.7		9	675
(2534)	1990 03 27.42865	13 05 06.47	−06 24 27.9		9	675
(2534)	1990 04 22.33785	12 47 10.86	−04 29 13.6		9	675
(2548)	1989 09 03.21424	21 27 13.38	+00 48 02.6		9	675
(2548)	1989 09 03.24497	21 27 11.70	+00 48 00.2		9	675
(2556)	1994 04 04.27378	12 07 52.21	+04 01 25.5		9	675
(2556)	1994 04 04.31667	12 07 49.78	+04 01 40.5		9	675
(2557)	1994 04 04.27378	12 15 04.27	−01 43 59.7		9	675
(2557)	1994 04 04.31667	12 15 02.00	−01 43 39.2		9	675
(2561)	1990 03 27.39722	13 14 31.73	−05 49 07.5		9	675
(2561)	1990 03 27.42865	13 14 30.05	−05 48 55.5		9	675
(2561)	1990 04 22.30573	12 51 58.91	−03 07 26.1		9	675
(2561)	1990 04 22.33785	12 51 57.46	−03 07 14.7		9	675
(2574)	1990 03 27.39722	13 04 01.94	−06 17 09.2		9	675
(2574)	1990 03 27.42865	13 04 00.39	−06 17 00.7		9	675
(2574)	1990 04 22.33785	12 43 33.51	−04 26 15.4		9	675
(2587)	1990 03 27.39722	13 27 16.76	−05 11 33.9		9	675
(2587)	1990 04 22.33785	13 08 09.98	−03 21 22.5		9	675
(2622)	1994 09 11.31667	23 15 24.86	−14 32 39.0		9	675
(2622)	1994 09 11.34826	23 15 23.49	−14 32 54.5		9	675
(2641)	1994 09 11.31667	23 15 35.03	−15 27 17.9		9	675
(2641)	1994 09 11.34826	23 15 33.00	−15 27 24.9		9	675
(2704)	1993 03 23.46667	14 58 38.92	−16 36 09.4		9	675
(2713)	1993 08 20.38299	22 41 05.86	−08 32 52.2	15.0	2	675
(2713)	1993 08 20.40312	22 41 04.89	−08 32 56.7		2	675
(2713)	1993 08 24.27413	22 38 01.98	−08 49 16.8		2	675
(2713)	1993 08 24.29670	22 38 00.84	−08 49 23.4		2	675
(2719)	1993 03 23.46667	14 47 20.90	−15 06 35.9		9	675
(2719)	1993 03 23.50885	14 47 19.73	−15 06 30.6		9	675
(2719)	1993 05 24.24601	13 54 56.76	−10 42 17.8		9	675
(2719)	1993 05 24.27969	13 54 55.55	−10 42 11.8		9	675
(2719)	1994 09 30.21024	22 33 25.97	−09 53 42.3		9	675
(2719)	1994 09 30.24271	22 33 24.62	−09 53 49.6		9	675
(2721)	1988 03 18.39340	12 11 29.00	+02 01 14.4		9	675
(2723)	1993 04 17.35868	14 36 56.13	−12 40 18.8		9	675
(2734)	1993 03 23.46667	14 42 00.39	−12 37 46.5		9	675
(2734)	1993 03 23.50885	14 41 59.16	−12 37 50.1		9	675
(2734)	1993 05 24.24601	13 53 43.08	−13 18 58.3		9	675
(2734)	1993 05 24.27969	13 53 41.82	−13 19 00.4		9	675
(2749)	1988 10 13.43976	01 10 25.68	+07 41 54.4		9	675
(2749)	1988 10 13.47396	01 10 24.17	+07 41 45.7		9	675
(2771)	1990 03 27.39722	13 15 14.36	−12 24 25.0		9	675
(2771)	1990 03 27.42865	13 15 12.98	−12 24 10.6		9	675
(2771)	1990 04 22.30573	12 55 03.86	−08 32 28.5		9	675
(2771)	1990 04 22.33785	12 55 02.55	−08 32 10.5		9	675
(2776)	1994 09 30.21024	22 33 42.40	−06 25 07.5		9	675
(2776)	1994 09 30.24271	22 33 41.17	−06 25 18.8		9	675
(2808)	1992 04 04.39444	14 41 28.89	−28 34 12.3		9	675
(2808)	1992 04 04.42951	14 41 27.59	−28 34 11.2		9	675
(2810)	1993 04 17.35868	14 25 13.00	−07 14 08.7		9	675
(2810)	1993 04 17.38889	14 25 11.52	−07 13 53.5		9	675
(2819)	1988 10 13.43976	01 34 02.47	+10 10 58.1		9	675
(2819)	1988 10 13.47396	01 34 00.63	+10 10 51.4		9	675
(2862)	1988 10 13.43976	01 18 28.80	+11 02 17.1		9	675
(2862)	1988 10 13.47396	01 18 26.75	+11 02 00.3		9	675
(2864)	1988 03 18.39340	12 24 53.68	+01 33 19.1		9	675
(2864)	1988 03 18.42309	12 24 52.24	+01 33 30.8		9	675
(2869)	1992 04 04.39444	14 53 47.32	−29 51 35.7		9	675
(2869)	1992 04 04.42951	14 53 45.91	−29 51 48.7		9	675
(2871)	1993 01 28.40920	09 04 56.08	+26 39 11.7		9	675
(2871)	1993 01 28.44931	09 04 53.13	+26 39 22.6		9	675
(2894)	1994 08 03.44757	23 56 27.61	−03 58 11.1		9	675
(2894)	1994 08 03.47622	23 56 27.19	−03 58 15.8		9	675
(2894)	1994 09 12.34236	23 35 38.25	−06 38 22.4		9	675
(2894)	1994 09 12.37344	23 35 36.83	−06 38 31.4		9	675
(2897)	1993 05 24.24601	13 40 38.46	−09 23 03.6		9	675
(2897)	1993 05 24.27969	13 40 37.41	−09 23 06.2		9	675
(2897)	1994 08 03.44757	23 52 31.02	−09 54 09.7		9	675
(2897)	1994 08 03.47622	23 52 30.50	−09 54 17.3		9	675
(2897)	1994 09 11.31667	23 24 05.53	−13 17 30.3		9	675
(2897)	1994 09 11.34826	23 24 03.62	−13 17 40.0		9	675
(2897)	1994 09 12.34236	23 23 02.51	−13 22 29.0		9	675
(2897)	1994 09 12.37344	23 23 00.58	−13 22 38.3		9	675
(2897)	1994 10 01.18490	23 05 05.44	−14 25 37.0		9	675
(2897)	1994 10 01.21406	23 05 03.94	−14 25 41.0		9	675
(2901)	1993 03 23.46667	14 38 54.13	−12 24 58.6		9	675
(2901)	1993 03 23.50885	14 38 53.13	−12 24 55.3		9	675
(2901)	1993 04 17.35868	14 23 29.49	−11 16 32.0		9	675
(2901)	1993 04 17.38889	14 23 27.91	−11 16 26.1		9	675
(2901)	1993 05 24.24601	13 55 34.42	−09 30 19.3		9	675
(2901)	1993 05 24.27969	13 55 33.36	−09 30 16.0		9	675
(2902)	1990 03 27.39722	13 07 42.19	−05 13 57.7		9	675
(2902)	1990 03 27.42865	13 07 40.27	−05 13 43.3		9	675
(2928)	1992 04 04.39444	15 06 54.88	−31 10 36.8		9	675
(2928)	1992 04 04.42951	15 06 53.58	−31 10 39.4		9	675
(2948)	1988 09 11.29271	23 18 49.54	+08 05 10.1		9	675
(2948)	1988 09 11.32726	23 18 47.98	+08 04 54.4		9	675
(2957)	1989 09 03.21424	21 33 54.84	−00 26 25.1		9	675
(2957)	1989 09 03.24497	21 33 53.57	−00 26 33.3		9	675
(2974)	1993 03 23.50885	14 38 18.92	−16 44 37.2		9	675
(2974)	1993 05 24.24601	13 50 39.99	−09 59 09.7		9	675
(2974)	1993 05 24.27969	13 50 38.83	−09 58 59.1		9	675
(2976)	1993 03 23.46667	14 36 18.52	−14 15 46.4		9	675
(2976)	1993 03 23.50885	14 36 17.55	−14 15 38.3		9	675
(2976)	1993 03 24.45347	14 35 56.20	−14 12 10.8		9	675
(2976)	1993 03 24.48438	14 35 55.47	−14 12 04.3		9	675
(2976)	1993 05 24.24601	14 00 19.52	−09 24 39.4		9	675
(2976)	1993 05 24.27969	14 00 18.58	−09 24 30.1		9	675
(2978)	1993 03 23.46667	14 58 52.19	−18 10 29.5		9	675

(2978)	1993 03 23.50885	14 58 51.38	−18 10 27.1	9	675	(3269)	1964 08 08.30625	20 43 58.25	−38 31 30.9	6	675
(2986)	1994 09 11.31667	23 14 44.93	−08 50 27.4	9	675	(3277)	1991 05 15.24861	13 22 39.58	+01 20 09.1	9	675
(2986)	1994 09 11.34826	23 14 43.49	−08 50 34.0	9	675	(3280)	1990 03 27.39722	13 06 23.97	−10 11 09.5	9	675
(2986)	1994 09 12.34236	23 13 58.79	−08 54 39.6	9	675	(3280)	1990 03 27.42865	13 06 22.29	−10 11 01.1	9	675
(2986)	1994 09 12.37344	23 13 57.40	−08 54 47.6	9	675	(3280)	1990 04 22.33785	12 43 40.76	−08 01 03.4	9	675
(2986)	1994 10 01.18490	23 01 11.65	−09 56 36.7	9	675	(3280)	1994 04 04.27378	11 58 25.98	−02 34 16.6	9	675
(2986)	1994 10 01.21406	23 01 10.61	−09 56 40.1	9	675	(3280)	1994 04 04.31667	11 58 23.79	−02 34 03.1	9	675
(2992)	1994 04 04.27378	11 47 57.38	+00 51 01.7	9	675	(3312)	1993 03 23.46667	14 50 03.65	−16 44 53.5	9	675
(2992)	1994 04 04.31667	11 47 55.54	+00 51 20.2	9	675	(3312)	1993 03 23.50885	14 50 02.80	−16 44 44.7	9	675
(3006)	1994 09 12.34236	23 14 09.34	−07 16 11.9	9	675	(3331)	1993 03 24.45347	14 21 37.23	−10 38 47.9	9	675
(3006)	1994 09 12.37344	23 14 07.52	−07 16 18.8	9	675	(3331)	1993 03 24.48438	14 21 36.25	−10 38 39.4	9	675
(3006)	1994 09 30.24271	22 59 36.82	−07 58 52.5	9	675	(3334)	1993 04 17.35868	14 21 57.55	−09 50 25.3	9	675
(3006)	1994 10 01.21406	22 58 59.94	−07 59 55.8	9	675	(3334)	1993 04 17.38889	14 21 56.04	−09 50 18.3	9	675
(3034)	1994 04 04.27378	11 56 42.39	+01 17 37.6	9	675	(3334)	1993 05 24.24601	13 54 28.54	−08 03 52.4	9	675
(3034)	1994 04 04.31667	11 56 39.85	+01 17 48.3	9	675	(3334)	1993 05 24.27969	13 54 27.49	−08 03 50.7	9	675
(3047)	1993 03 24.45347	14 14 58.64	−15 53 30.6	9	675	(3337)	1993 03 23.46667	14 33 38.36	−13 38 52.8	9	675
(3047)	1993 03 24.48438	14 14 57.55	−15 53 27.1	9	675	(3337)	1993 03 23.50885	14 33 37.26	−13 38 43.8	9	675
(3054)	1988 10 13.43976	01 14 36.89	+05 01 21.0	9	675	(3337)	1993 03 24.45347	14 33 12.97	−13 36 02.6	9	675
(3054)	1988 10 13.47396	01 14 35.37	+05 01 11.7	9	675	(3337)	1993 03 24.48438	14 33 12.09	−13 35 57.6	9	675
(3142)	1988 10 08.22691	23 29 28.68	+13 12 30.4	9	675	(3337)	1993 05 24.24601	13 51 19.53	−09 30 08.3	9	675
(3142)	1988 10 08.26771	23 29 26.57	+13 12 20.5	9	675	(3337)	1993 05 24.27969	13 51 18.66	−09 30 03.2	9	675
(3142)	1988 11 07.17465	23 14 38.03	+11 18 37.0	9	675	(3347)	1994 04 04.27378	12 09 40.38	−02 02 11.6	9	675
(3142)	1988 11 07.21042	23 14 37.71	+11 18 30.3	9	675	(3347)	1994 04 04.31667	12 09 38.58	−02 01 57.2	9	675
(3143)	1994 09 11.31667	23 08 27.24	−10 50 02.1	9	675	(3377)	1993 03 24.45347	14 23 45.69	−14 34 11.7	9	675
(3143)	1994 09 11.34826	23 08 25.65	−10 50 11.9	9	675	(3377)	1993 03 24.48438	14 23 44.74	−14 34 06.5	9	675
(3143)	1994 10 01.18490	22 54 00.63	−12 06 59.5	9	675	(3377)	1993 05 24.24601	13 42 27.09	−10 32 46.7	9	675
(3143)	1994 10 01.21406	22 53 59.55	−12 07 04.1	9	675	(3377)	1993 05 24.27969	13 42 26.07	−10 32 42.3	9	675
(3156)	1992 04 04.39444	15 04 43.15	−30 17 18.1	9	675	(3380)	1993 03 24.45347	14 27 35.65	−10 02 50.9	9	675
(3156)	1992 04 04.42951	15 04 41.61	−30 17 28.2	9	675	(3380)	1993 03 24.48438	14 27 34.74	−10 02 45.9	9	675
(3193)	1994 09 11.31667	23 12 50.47	−09 47 09.6	9	675	(3394)	1988 11 06.44531	03 22 17.59	+11 21 58.6	9	675
(3193)	1994 09 11.34826	23 12 48.43	−09 47 16.6	9	675	(3394)	1988 11 06.47760	03 22 15.64	+11 21 44.8	9	675
(3193)	1994 09 12.34236	23 11 46.34	−09 50 46.0	9	675	(3414)	1993 03 24.45347	14 02 31.30	−11 38 35.2	9	675
(3193)	1994 09 30.21024	22 54 42.72	−10 34 39.9	9	675	(3414)	1993 03 24.48438	14 02 29.78	−11 38 33.9	9	675
(3193)	1994 09 30.24271	22 54 41.11	−10 34 43.2	9	675	(3428)	1988 09 11.29271	23 29 54.15	+08 45 08.8	9	675
(3193)	1994 10 01.18490	22 53 56.23	−10 35 45.6	9	675	(3428)	1988 09 11.32726	23 29 52.43	+08 44 57.0	9	675
(3207)	1988 10 13.43976	01 15 59.97	+06 05 44.1	9	675	(3428)	1988 09 11.34566	23 29 51.52	+08 44 52.2	9	675
(3207)	1988 10 13.47396	01 15 58.36	+06 05 33.2	9	675	(3428)	1988 09 11.37943	23 29 49.84	+08 44 39.6	9	675
(3213)	1993 03 24.45347	14 26 46.70	−14 25 10.5	9	675	(3452)	1993 03 23.46667	14 55 26.28	−14 53 55.9	9	675
(3213)	1993 03 24.48438	14 26 45.80	−14 25 07.4	9	675	(3452)	1993 05 24.24601	14 04 42.34	−11 42 16.7	9	675
(3213)	1993 05 24.24601	13 47 27.18	−11 10 50.9	9	675	(3452)	1993 05 24.27969	14 04 40.96	−11 42 12.2	9	675
(3213)	1993 05 24.27969	13 47 26.16	−11 10 46.9	9	675	(3466)	1994 08 03.44757	00 01 16.43	−02 14 53.4	9	675
(3226)	1994 08 03.44757	23 47 25.39	−05 30 55.0	9	675	(3466)	1994 08 03.47622	00 01 16.10	−02 14 57.3	9	675
(3226)	1994 08 03.47622	23 47 25.07	−05 31 00.4	9	675	(3466)	1994 09 12.34236	23 35 06.73	−05 39 23.7	9	675
(3226)	1994 09 12.34236	23 25 25.98	−08 40 06.1	9	675	(3466)	1994 09 12.37344	23 35 04.89	−05 39 36.1	9	675
(3226)	1994 09 12.37344	23 25 24.48	−08 40 16.9	9	675	(3499)	1990 03 27.42865	13 17 08.86	−05 41 54.3	9	675
(3226)	1994 10 01.18490	23 11 27.99	−10 06 39.3	9	675	(3499)	1990 04 22.30573	12 58 43.12	−03 40 02.0	9	675
(3226)	1994 10 01.21406	23 11 26.69	−10 06 44.5	9	675	(3499)	1990 04 22.33785	12 58 41.72	−03 39 56.3	9	675
(3247)	1990 04 22.30573	13 04 57.70	−03 53 32.5	9	675	(3569)	1994 09 30.21024	22 35 37.28	−10 49 52.2	9	675
(3247)	1990 04 22.33785	13 04 56.04	−03 53 27.8	9	675	(3569)	1994 09 30.24271	22 35 36.14	−10 50 06.5	9	675
(3260)	1993 05 24.27969	13 48 51.23	−15 14 13.9	9	675	(3580)	1993 03 24.45347	14 21 42.41	−17 35 13.6	9	675
(3262)	1988 11 06.44531	03 10 01.45	+11 03 32.1	9	675	(3580)	1993 03 24.48438	14 21 41.50	−17 35 15.5	9	675
(3262)	1988 11 06.47760	03 09 59.68	+11 03 29.6	9	675	(3585)	1993 03 24.45347	14 23 04.59	−10 57 39.5	9	675

(3585)	1993 03 24.48438	14 23 03.85	−10 57 33.3		9 675	(3807)	1988 11 06.44531	03 07 21.70	+10 36 51.2		9 675
(3597)	1994 04 04.27378	12 08 24.44	+02 45 54.8		9 675	(3807)	1988 11 06.47760	03 07 19.58	+10 36 41.2		9 675
(3597)	1994 04 04.31667	12 08 22.66	+02 46 06.0		9 675	(3808)	1991 12 02.24253	04 24 24.78	+10 27 52.0		9 675
(3602)	1989 09 03.21424	21 43 30.53	−03 51 46.9		9 675	(3808)	1991 12 02.27569	04 24 22.48	+10 27 45.5		9 675
(3602)	1989 09 03.24497	21 43 28.85	−03 51 55.9		9 675	(3821)	1994 04 04.27378	11 57 37.35	+01 04 38.0		9 675
(3607)	1994 04 04.27378	11 58 09.93	−00 14 12.8		9 675	(3821)	1994 04 04.31667	11 57 35.54	+01 04 47.3		9 675
(3607)	1994 04 04.31667	11 58 07.48	−00 14 02.8		9 675	(3835)	1988 03 18.39340	12 17 48.15	+00 20 19.9		9 675
(3617)	1989 09 03.21424	21 19 56.64	−02 27 51.8		9 675	(3835)	1988 03 18.42309	12 17 46.78	+00 20 36.9		9 675
(3617)	1989 09 03.24497	21 19 55.47	−02 28 09.1		9 675	(3847)	1988 03 18.39340	12 17 39.46	+02 54 31.6		9 675
(3621)	1990 03 27.39722	13 23 20.57	−07 14 43.1		9 675	(3847)	1988 03 18.42309	12 17 38.16	+02 54 40.0		9 675
(3621)	1990 03 27.42865	13 23 19.18	−07 14 34.2		9 675	(3858)	1992 04 04.39444	14 46 45.75	−25 43 56.6		9 675
(3621)	1990 04 22.33785	13 05 03.03	−05 10 05.9		9 675	(3858)	1992 04 04.42951	14 46 44.22	−25 44 03.7		9 675
(3646)	1994 09 30.21024	22 54 16.52	−07 20 08.2		9 675	(3899)	1988 11 06.44531	03 01 27.78	+14 20 45.2		9 675
(3646)	1994 09 30.24271	22 54 15.20	−07 20 15.4		9 675	(3899)	1988 11 06.47760	03 01 26.08	+14 20 40.5		9 675
(3670)	1994 09 11.31667	23 23 01.04	−13 30 52.5		9 675	(3912)	1994 04 04.27378	12 02 01.97	+01 20 13.6		9 675
(3670)	1994 09 11.34826	23 22 59.48	−13 31 04.4		9 675	(3912)	1994 04 04.31667	12 01 59.62	+01 20 25.1		9 675
(3670)	1994 09 12.33455	23 22 11.88	−13 36 59.9		9 675	(3932)	1988 09 11.29271	23 26 48.32	+09 44 13.1		9 675
(3670)	1994 09 12.36667	23 22 10.27	−13 37 11.5		9 675	(3932)	1988 09 11.32726	23 26 45.93	+09 44 14.3		9 675
(3670)	1994 10 01.18490	23 08 06.67	−15 04 21.1		9 675	(3932)	1988 09 11.34566	23 26 44.69	+09 44 15.6		9 675
(3670)	1994 10 01.21406	23 08 05.54	−15 04 26.5		9 675	(3932)	1988 09 11.37943	23 26 42.40	+09 44 16.8		9 675
(3680)	1994 08 03.44757	23 54 40.95	−07 33 20.4		9 675	(3941)	1988 10 13.43976	01 29 19.50	+08 34 27.1		9 675
(3680)	1994 08 03.47622	23 54 40.52	−07 33 23.6		9 675	(3941)	1988 10 13.47396	01 29 17.82	+08 34 14.9		9 675
(3680)	1994 09 12.34236	23 25 49.23	−10 09 19.4		9 675	(3946)	1994 04 04.27378	12 14 48.82	−02 26 09.5		9 675
(3680)	1994 09 12.37344	23 25 47.17	−10 09 28.0		9 675	(3946)	1994 04 04.31667	12 14 46.80	−02 25 56.9		9 675
(3705)	1990 03 27.39722	13 21 09.58	−07 10 24.5		9 675	(3950)	1992 04 04.39444	14 49 25.72	−27 04 00.6		9 675
(3705)	1990 03 27.42865	13 21 08.25	−07 10 17.2		9 675	(3950)	1992 04 04.42951	14 49 24.52	−27 03 57.9		9 675
(3705)	1990 04 22.30573	13 03 00.15	−05 14 38.4		9 675	(3957)	1988 11 06.44531	03 12 06.45	+11 40 49.0		9 675
(3705)	1990 04 22.33785	13 02 58.77	−05 14 30.9		9 675	(3957)	1988 11 06.47760	03 12 04.80	+11 40 40.1		9 675
(3708)	1988 09 11.29271	23 15 50.97	+11 56 33.6		9 675	(3975)	1990 03 27.39722	13 29 26.10	−09 37 03.3		9 675
(3708)	1988 09 11.32726	23 15 49.76	+11 56 29.2		9 675	(3975)	1990 03 27.42865	13 29 24.70	−09 36 55.1		9 675
(3716)	1994 04 04.27378	12 12 58.22	+02 04 19.1		9 675	(3975)	1990 04 22.33785	13 09 35.51	−07 27 36.7		9 675
(3716)	1994 04 04.31667	12 12 55.75	+02 04 35.8		9 675	(3979)	1993 08 20.38299	22 49 15.11	−08 11 51.9	15.5	2 675
(3720)	1993 03 24.45347	14 25 14.17	−15 27 24.3		9 675	(3979)	1993 08 20.40312	22 49 14.17	−08 11 55.2		2 675
(3720)	1993 03 24.48438	14 25 13.12	−15 27 26.6		9 675	(3979)	1993 08 24.27413	22 46 24.43	−08 25 53.0		2 675
(3723)	1993 03 24.45347	14 16 12.59	−11 10 42.3		9 675	(3979)	1993 08 24.29670	22 46 23.35	−08 25 58.2		2 675
(3723)	1993 03 24.48438	14 16 11.70	−11 10 37.4		9 675	(3983)	1988 10 13.43976	01 09 35.25	+10 48 35.1	17.5	9 675
(3727)	1988 11 06.44531	03 03 17.17	+10 29 31.1		9 675	(3983)	1988 10 13.47396	01 09 33.25	+10 48 24.2		9 675
(3727)	1988 11 06.47760	03 03 15.68	+10 29 23.6		9 675	(3993)	1988 11 06.44531	03 06 02.34	+15 34 22.6		9 675
(3738)	1993 03 23.46667	14 38 28.11	−16 30 16.6		9 675	(3993)	1988 11 06.47760	03 06 00.44	+15 34 12.2		9 675
(3738)	1993 03 23.50885	14 38 27.52	−16 30 17.3		9 675	(4009)	1988 03 18.39340	12 18 08.55	+01 36 48.7		9 675
(3738)	1993 05 24.24601	13 52 44.52	−13 35 14.4		9 675	(4009)	1988 03 18.42309	12 18 07.25	+01 36 56.9		9 675
(3738)	1993 05 24.27969	13 52 43.47	−13 35 09.3		9 675	(4011)	1994 09 30.21024	22 57 34.68	−08 08 52.2		9 675
(3748)	1993 03 23.46667	14 44 09.20	−14 40 02.9		9 675	(4011)	1994 09 30.24271	22 57 33.20	−08 09 01.8		9 675
(3748)	1993 03 23.50885	14 44 08.11	−14 40 04.3		9 675	(4013)	1994 04 04.27378	12 17 09.11	−01 56 23.2		9 675
(3748)	1993 05 24.24601	13 53 52.21	−13 30 44.0		9 675	(4013)	1994 04 04.31667	12 17 07.25	−01 56 11.8		9 675
(3748)	1993 05 24.27969	13 53 51.10	−13 30 42.5		9 675	(4027)	1994 09 30.21024	22 26 02.99	−08 27 47.0		9 675
(3754)	1991 12 02.24253	04 13 09.29	+12 21 07.9		9 675	(4027)	1994 09 30.24271	22 26 01.86	−08 27 54.9		9 675
(3754)	1991 12 02.27569	04 13 07.59	+12 21 05.2		9 675	(4040)	1990 03 27.39722	13 29 02.14	−06 53 58.2		9 675
(3755)	1993 05 24.24601	13 32 50.97	−11 04 35.9		9 675	(4040)	1990 03 27.42865	13 29 00.58	−06 53 50.4		9 675
(3755)	1993 05 24.27969	13 32 49.90	−11 04 22.6		9 675	(4040)	1990 04 22.33785	13 07 17.96	−04 59 17.9		9 675
(3781)	1994 04 04.27378	12 12 21.80	−01 10 24.0		9 675	(4048)	1994 08 03.44757	23 59 43.52	−02 14 19.3		9 675
(3781)	1994 04 04.31667	12 12 19.75	−01 10 10.9		9 675	(4048)	1994 08 03.47622	23 59 43.84	−02 14 14.1		9 675

(4058)	1991 04 16.42830	13 55 30.93	−01 57 09.8		9	675
(4058)	1991 04 16.47118	13 55 28.69	−01 57 03.4		9	675
(4058)	1991 05 15.24861	13 33 11.07	−01 26 53.0		9	675
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(4065)	1994 08 03.44757	23 57 03.73	−06 14 38.9		9	675
(4065)	1994 08 03.47622	23 57 03.43	−06 14 41.9		9	675
(4065)	1994 09 12.34236	23 29 10.37	−08 43 05.2		9	675
(4065)	1994 09 12.37344	23 29 08.37	−08 43 11.9		9	675
(4065)	1994 10 01.18490	23 10 51.60	−09 46 48.8		9	675
(4065)	1994 10 01.21406	23 10 50.05	−09 46 52.3		9	675
(4096)	1990 03 27.39722	13 26 55.54	−08 46 21.6		9	675
(4096)	1990 03 27.42865	13 26 53.92	−08 46 17.7		9	675
(4096)	1990 04 22.30573	13 04 12.89	−07 41 27.0		9	675
(4139)	1990 03 27.39722	13 29 25.02	−07 11 51.1		9	675
(4139)	1990 03 27.42865	13 29 23.74	−07 11 43.6		9	675
(4139)	1990 04 22.33785	13 10 39.68	−05 13 16.3		9	675
(4149)	1994 09 11.31667	23 19 30.24	−09 08 24.9		9	675
(4149)	1994 09 11.34826	23 19 28.75	−09 08 44.0		9	675
(4149)	1994 09 12.34236	23 18 43.02	−09 17 52.7		9	675
(4149)	1994 09 12.37344	23 18 41.54	−09 18 10.2		9	675
(4149)	1994 10 01.18490	23 05 31.00	−11 50 11.4		9	675
(4149)	1994 10 01.21406	23 05 29.97	−11 50 22.8		9	675
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(4183)	1988 09 11.37943	23 45 22.49	+07 41 50.9		9	675
(4196)	1994 04 04.27378	11 49 55.04	+01 32 08.9		9	675
(4196)	1994 04 04.31667	11 49 53.59	+01 32 18.2		9	675
(4225)	1993 03 23.46667	14 53 21.03	−13 21 54.2		9	675
(4225)	1993 04 17.35868	14 37 32.21	−12 25 54.0		9	675
(4225)	1993 04 17.38889	14 37 30.39	−12 25 48.6		9	675
(4225)	1993 05 24.24601	14 02 04.00	−10 36 24.6		9	675
(4225)	1993 05 24.27969	14 02 02.55	−10 36 21.1		9	675
(4226)	1993 03 23.46667	15 02 26.25	−16 51 47.9		9	675
(4226)	1993 03 23.50885	15 02 25.29	−16 51 43.5		9	675
(4243)	1992 04 04.39444	14 55 53.06	−27 12 58.4		9	675
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(4261)	1990 03 27.39722	13 21 14.93	−12 25 21.7		9	675
(4261)	1990 03 27.42865	13 21 13.39	−12 25 15.0		9	675
(4261)	1990 04 22.30573	13 00 46.63	−10 15 57.6		9	675
(4261)	1990 04 22.33785	13 00 45.27	−10 15 47.7		9	675
(4300)	1994 09 30.21024	22 38 09.97	−04 12 24.3		9	675
(4300)	1994 09 30.24271	22 38 08.93	−04 12 38.0		9	675
(4310)	1988 11 06.44531	03 04 36.05	+12 31 09.3		9	675
(4310)	1988 11 06.47760	03 04 33.91	+12 30 57.5		9	675
(4327)	1991 04 16.42830	14 19 01.70	−02 19 11.4		9	675
(4327)	1991 04 16.47118	14 18 59.34	−02 19 06.9		9	675
(4348)	1988 09 11.29271	23 19 26.08	+03 53 27.4		9	675
(4348)	1988 09 11.32726	23 19 25.02	+03 53 20.7		9	675
(4385)	1994 09 30.21024	22 59 55.65	−07 19 45.4		9	675
(4385)	1994 09 30.24271	22 59 54.50	−07 19 53.1		9	675
(4389)	1988 11 06.44531	03 03 04.59	+12 47 47.3		9	675
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(4396)	1994 03 14.41024	12 35 33.02	+01 09 40.6		9	675
(4396)	1994 04 04.27378	12 14 14.55	+03 03 02.8		9	675
(4412)	1988 10 13.43976	01 17 26.09	+04 51 58.1		9	675
(4412)	1988 10 13.47396	01 17 24.62	+04 51 48.8		9	675
(4419)	1988 10 13.43976	01 08 42.89	+07 39 56.1		9	675
(4431)	1988 09 11.29271	23 26 53.38	+10 03 19.6		9	675
(4431)	1988 09 11.32726	23 26 51.86	+10 03 07.6		9	675
(4431)	1988 09 11.34566	23 26 51.05	+10 03 02.2		9	675
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(4466)	1994 04 04.27378	11 55 41.27	+01 12 15.7		9	675
(4466)	1994 04 04.31667	11 55 39.40	+01 12 27.8		9	675
(4508)	1988 11 06.44531	03 12 43.17	+15 23 57.5		9	675
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(4513)	1990 03 27.39722	13 17 26.50	−11 25 47.0		9	675
(4513)	1990 03 27.42865	13 17 25.18	−11 25 34.8		9	675
(4513)	1990 04 22.30573	12 59 22.85	−08 29 34.7		9	675
(4513)	1990 04 22.33785	12 59 21.49	−08 29 21.3		9	675
(4545)	1994 09 12.34236	23 13 18.64	−07 09 35.8		9	675
(4545)	1994 10 01.18490	23 00 14.59	−08 22 09.3	18.0	9	675
(4545)	1994 10 01.21406	23 00 13.44	−08 22 15.1		9	675
(4548)	1990 04 22.33785	12 47 14.85	−03 35 59.7		9	675
(4556)	1994 09 11.31667	23 22 17.69	−12 37 42.1		9	675
(4556)	1994 09 11.34826	23 22 16.01	−12 37 55.8		9	675
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(4556)	1994 10 01.21406	23 07 25.79	−14 18 41.4		9	675
(4579)	1994 09 11.31667	23 13 42.75	−08 24 32.9		9	675
(4579)	1994 09 11.34826	23 13 40.98	−08 24 44.5		9	675
(4579)	1994 09 12.34236	23 12 46.42	−08 30 51.1		9	675
(4579)	1994 09 12.37344	23 12 44.68	−08 31 02.6		9	675
(4579)	1994 09 30.21024	22 58 19.82	−10 00 38.7		9	675
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(4579)	1994 10 01.18490	22 57 42.25	−10 04 09.8		9	675
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(4584)	1988 10 13.43976	01 21 11.11	+07 16 16.3		9	675
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(4591)	1994 09 12.34236	23 34 31.56	−05 33 44.5		9	675
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(4619)	1993 03 24.45347	14 23 10.97	−16 41 58.3		9	675
(4619)	1993 03 24.48438	14 23 10.00	−16 41 54.6		9	675
(4619)	1993 05 24.24601	13 39 27.62	−12 26 55.3		9	675
(4639)	1994 10 01.18490	23 11 42.60	−14 30 34.2		9	675
(4639)	1994 10 01.21406	23 11 41.22	−14 30 31.8		9	675
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(4683)	1993 03 24.45347	14 20 17.02	−12 46 34.8	9	675
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(4695)	1989 09 03.21424	21 41 55.63	−04 42 38.8	9	675
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(4696)	1993 03 24.45347	14 04 45.01	−11 26 35.5	9	675
(4696)	1993 03 24.48438	14 04 43.96	−11 26 30.0	9	675
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(4728)	1988 03 18.42309	12 18 03.63	+02 20 26.5	9	675
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(5086)	1988 11 06.44531	03 22 58.84	+14 17 05.2	9	675
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(5123)	1991 05 15.28073	13 32 26.75	−01 07 49.4	9	675
(5165)	1993 04 17.35868	14 48 36.56	−11 15 46.9	9	675
(5165)	1993 04 17.38889	14 48 34.75	−11 15 41.4	9	675
(5191)	1989 09 03.21424	21 44 59.46	+01 06 19.9	9	675
(5191)	1989 09 03.24497	21 44 58.09	+01 06 08.7	9	675
(5200)	1993 01 28.40920	08 51 46.74	+27 58 13.1	9	675
(5200)	1993 01 28.44931	08 51 43.76	+27 58 23.2	9	675
(5219)	1993 03 24.45347	14 17 24.93	−12 07 36.6	9	675
(5219)	1993 05 24.24601	13 38 33.86	−09 20 36.1	9	675
(5219)	1993 05 24.27969	13 38 33.15	−09 20 33.0	9	675
(5307)	1993 04 17.35868	14 24 58.68	−09 05 30.1	9	675
(5307)	1993 04 17.38889	14 24 56.89	−09 05 26.2	9	675
(5307)	1993 05 24.24601	13 52 09.16	−07 57 15.5	9	675
(5307)	1993 05 24.27969	13 52 07.92	−07 57 14.3	9	675
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(5397)	1988 11 06.47760	03 01 27.23	+14 11 59.6	9	675
(5425)	1994 04 04.27378	12 08 55.29	−02 59 43.2	9	675
(5425)	1994 04 04.31667	12 08 52.77	−02 59 33.5	9	675
(5435)	1993 07 27.44878	00 12 26.23	−18 48 22.8	9	675
(5435)	1993 07 27.47431	00 12 26.29	−18 48 34.0	9	675
(5509)	1988 10 13.43976	01 24 53.94	+08 01 19.8	9	675
(5509)	1988 10 13.47396	01 24 51.87	+08 01 03.8	9	675
(5521)	1993 01 28.40920	08 49 45.93	+28 20 45.9	9	675
(5521)	1993 01 28.44931	08 49 43.48	+28 21 03.0	9	675
(5527)	1994 08 03.44757	23 51 10.40	−05 55 23.2	9	675
(5527)	1994 08 03.47622	23 51 10.23	−05 55 30.0	9	675
(5527)	1994 09 12.34236	23 26 24.15	−10 18 07.1	9	675
(5527)	1994 09 12.37344	23 26 22.34	−10 18 20.0	9	675
(5527)	1994 10 01.18490	23 10 32.51	−11 57 36.7	9	675
(5527)	1994 10 01.21406	23 10 31.22	−11 57 42.1	9	675
(5529)	1990 03 27.39722	13 25 17.60	−09 02 23.5	9	675
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(5603)	1993 05 24.27969	13 44 27.29	−08 45 36.7		9	675
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(5606)	1994 09 30.24271	22 45 43.35	−06 14 54.0		9	675
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(5612)	1993 05 24.27969	13 43 00.35	−07 47 24.5		9	675
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(5617)	1993 05 24.27969	13 49 41.82	−14 32 04.2		9	675
(5629)	1988 03 18.39340	12 17 31.66	+07 11 02.0		9	675
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(5651)	1994 08 03.47622	23 51 42.40	−08 55 24.0		9	675
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(5696)	1994 09 30.24271	22 48 18.56	−10 25 14.9		9	675
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(5729)	1988 10 13.43976	01 26 17.69	+09 33 50.8		9	675
(5729)	1988 10 13.47396	01 26 16.20	+09 33 33.1		9	675
(5730)	1988 10 13.43976	01 17 26.29	+05 08 41.1		9	675
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(5743)	1993 08 20.40312	22 45 28.86	−07 51 45.3		2	675
(5743)	1993 08 24.27413	22 41 44.36	−08 07 33.0	15.5	2	675
(5743)	1993 08 24.29670	22 41 42.84	−08 07 39.4		2	675
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(5831)	1991 05 15.24861	13 48 33.93	−00 48 34.2		9	675
(5831)	1991 05 15.28073	13 48 32.49	−00 48 41.1		9	675
(5845)	1992 04 04.42951	14 45 11.23	−27 31 21.5		9	675
(5865)	1988 11 06.44531	03 17 01.23	+10 47 31.9		9	675
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(5867)	1988 10 13.43976	01 28 14.75	+10 11 56.6		9	675
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(5888)	1990 03 27.39722	13 30 18.48	−10 50 43.3		9	675
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(5951)	1988 03 18.39340	12 23 20.93	+06 48 05.1		9	675
(5951)	1988 03 18.42309	12 23 19.11	+06 48 17.9		9	675
(6002)	1988 09 11.32726	23 27 00.39	+09 05 16.5		9	675
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(6007)	1994 04 04.27378	12 05 07.38	−01 00 44.8		9	675
(6007)	1994 04 04.31667	12 05 04.99	−01 00 37.1		9	675
(6016)	1990 03 27.39722	13 10 23.00	−06 38 19.1		9	675
(6016)	1990 03 27.42865	13 10 21.29	−06 38 05.3		9	675
(6016)	1990 04 22.33785	12 47 31.23	−03 25 27.7		9	675
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(6032)	1991 12 02.24253	04 09 50.41	+10 15 20.2		9	675
(6032)	1991 12 02.27569	04 09 48.39	+10 15 11.4		9	675
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(6064)	1988 11 06.44531	03 23 24.42	+09 57 51.9		9	675
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(6069)	1990 03 27.39722	13 09 08.86	−07 17 15.0		9	675
(6069)	1990 03 27.42865	13 09 07.11	−07 17 00.1		9	675
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(6081)	1994 09 30.21024	22 37 18.95	−10 08 43.9		9	675
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(6102)	1994 09 30.21024	22 32 49.82	−07 08 47.3		9	675
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(6104)	1993 03 24.45347	14 06 27.51	−16 34 38.3		9	675
(6104)	1993 03 24.48438	14 06 26.33	−16 34 34.7		9	675
(6123)	1994 09 30.21024	22 51 34.08	−07 10 34.7		9	675
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(6125)	1993 03 23.46667	14 42 27.74	−14 00 26.2		9	675
(6125)	1993 03 23.50885	14 42 26.60	−14 00 20.6		9	675
(6131)	1994 08 03.44757	23 54 28.93	−02 28 30.7		9	675
(6131)	1994 08 03.47622	23 54 28.90	−02 28 36.9		9	675
(6131)	1994 09 12.34236	23 34 57.64	−07 04 29.7		9	675
(6131)	1994 09 12.37344	23 34 56.00	−07 04 44.4		9	675
(6131)	1994 10 01.18490	23 19 43.87	−09 35 02.0		9	675
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(6205)	1994 08 03.44757	00 07 20.10	−09 47 54.9		9	675
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(6221)	1988 10 13.43976	01 27 41.56	+07 00 32.8		9	675

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(6252)	1994 09 12.34236	23 25 08.05	−08 36 59.6		9	675
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(6254)	1988 11 06.44531	03 17 01.26	+11 33 05.1		9	675
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(6667)	1994 04 04.27378	12 02 53.30	+02 28 22.4		9	675
(6667)	1994 04 04.31667	12 02 51.26	+02 28 42.9		9	675
(6722)	1994 09 11.31667	23 03 29.56	−10 13 51.4		9	675
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(6722)	1994 09 30.21024	22 50 43.26	−11 22 16.0		9	675
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(7142)	1994 09 30.24271	22 37 18.57	−09 05 32.0		9	675
(7184)	1993 01 28.40920	09 08 59.85	+31 16 30.1		9	675
(7184)	1993 01 28.44931	09 08 57.27	+31 16 43.9		9	675
(7213)	1988 10 13.43976	01 27 15.09	+11 16 09.9		9	675
(7213)	1988 10 13.47396	01 27 13.09	+11 16 00.3		9	675
(7231)	1994 04 04.27378	12 08 08.58	+03 26 23.2		9	675
(7231)	1994 04 04.31667	12 08 06.60	+03 26 28.2		9	675
(7251)	1988 10 13.43976	01 09 48.24	+06 54 24.7		9	675
(7251)	1988 10 13.47396	01 09 46.51	+06 54 11.0		9	675
(7280)	1988 10 13.43976	01 27 10.98	+07 25 42.9		9	675
(7280)	1988 10 13.47396	01 27 09.22	+07 25 29.6		9	675
(7334)	1991 04 16.42830	14 06 39.56	−03 55 19.2		9	675
(7334)	1991 04 16.47118	14 06 37.15	−03 55 00.5		9	675
(7334)	1991 05 15.24861	13 42 24.55	−01 14 17.2		9	675
(7334)	1991 05 15.28073	13 42 23.23	−01 14 10.2		9	675
(7338)	1989 09 03.21424	21 17 59.98	−03 49 18.0		9	675
(7338)	1989 09 03.24497	21 17 58.74	−03 49 24.2		9	675
(7352)	1991 12 02.24253	04 24 50.57	+12 36 29.4		9	675
(7352)	1991 12 02.27569	04 24 49.42	+12 36 27.6		9	675
(7371)	1994 08 03.47622	23 52 13.40	−03 48 20.2		9	675
(7371)	1994 09 12.37344	23 30 16.09	−06 19 58.1		9	675
(7419)	1993 01 28.40920	09 01 51.14	+26 03 26.2		9	675
(7419)	1993 01 28.44931	09 01 48.32	+26 03 27.0		9	675
(7451)	1991 05 15.24861	13 52 49.78	+02 55 24.0		9	675
(7451)	1991 05 15.28073	13 52 48.52	+02 55 28.3		9	675
(7452)	1993 04 17.38889	14 45 00.52	−12 06 23.9		9	675
(7459)	1988 03 18.39340	12 28 49.75	+01 39 00.8		9	675
(7459)	1988 03 18.42309	12 28 48.16	+01 39 07.4		9	675
(7468)	1993 03 24.45347	14 25 34.38	−11 12 16.0		9	675
(7468)	1993 03 24.48438	14 25 33.54	−11 12 12.1		9	675
(7468)	1993 05 24.24601	13 44 20.96	−08 24 35.5		9	675
(7468)	1993 05 24.27969	13 44 19.87	−08 24 32.7		9	675
(7471)	1994 09 30.21024	22 30 56.10	−10 12 07.9		9	675
(7471)	1994 09 30.24271	22 30 54.90	−10 12 10.9		9	675
(7551)	1993 04 17.35868	14 52 18.72	−09 15 53.5	17.5	9	675
(7551)	1993 04 17.38889	14 52 17.58	−09 15 44.5		9	675
(7567)	1988 10 13.43976	01 26 30.27	+10 41 58.1		9	675
(7567)	1988 10 13.47396	01 26 28.11	+10 41 52.1		9	675
(7573)	1994 08 03.44757	23 48 29.45	−04 56 55.3		9	675
(7573)	1994 08 03.47622	23 48 29.22	−04 56 58.7		9	675
(7573)	1994 09 12.34236	23 28 43.10	−07 43 48.9		9	675
(7573)	1994 09 12.37344	23 28 41.68	−07 43 58.1		9	675
(7573)	1994 10 01.18490	23 15 19.13	−09 05 54.0	17.5	9	675
(7573)	1994 10 01.21406	23 15 17.95	−09 05 58.4		9	675
(7575)	1994 04 04.27378	12 10 59.31	−03 17 47.2	17.5	9	675
(7575)	1994 04 04.31667	12 10 56.91	−03 17 29.4		9	675
(7580)	1993 03 24.45347	14 07 19.57	−11 37 09.7	18.0	9	675
(7605)	1989 09 03.21424	21 42 28.74	+00 44 56.8	16.5	9	675
(7605)	1989 09 03.24497	21 42 27.07	+00 44 57.2		9	675
(7609)	1994 10 01.18490	23 18 14.51	−14 46 26.1	18.0	9	675
(7609)	1994 10 01.21406	23 18 13.11	−14 46 26.4		9	675

684 Prescott

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[comba@northlink.com]

0.46-m $f/4.5$ reflector + CCD

GSC

1980 FS_1	1997 04 27.24637	11 10 37.72	+04 32 19.1				684
1980 FS_1	1997 04 28.19303	11 10 37.29	+04 34 53.4				684
1980 FS_1	1997 04 28.19738	11 10 37.26	+04 34 53.5	18.2	R		684
1988 XB	1997 05 03.36862	16 54 35.76	−19 34 30.1	18.3	R		684
1988 XB	1997 05 03.39167	16 54 35.29	−19 34 31.2				684
1988 XB	1997 05 03.39514	16 54 35.22	−19 34 31.3				684
1989 YA_4	1997 04 26.18910	10 23 47.98	+09 29 17.3	17.6	R		684
1989 YA_4	1997 04 26.19251	10 23 48.09	+09 29 16.6				684
1989 YA_4	1997 04 26.19738	10 23 48.27	+09 29 15.7				684
1991 AC	1997 04 28.21895	14 28 59.87	−13 09 37.6	16.9	R	E	684
1991 AC	1997 04 28.23008	14 28 59.28	−13 09 35.4			E	684
1993 RR_2	1997 05 01.28475	14 04 47.44	+05 31 23.4			F	684
1993 RR_2	1997 05 01.37332	14 04 41.85	+05 32 09.6				684
1993 RR_2	1997 05 01.37737	14 04 41.61	+05 32 12.4	18.4	R		684
1996 GS	1997 05 02.35204	17 48 04.90	−12 05 12.9				684
1996 GS	1997 05 02.36685	17 48 04.73	−12 05 09.2				684
1996 GS	1997 05 02.41354	17 48 03.97	−12 04 56.7	17.8	R		684
1996 GS	1997 05 03.40289	17 47 49.26	−12 00 31.6	17.6	R		684
1996 GS	1997 05 03.41089	17 47 49.06	−12 00 30.0				684
1996 GS	1997 05 03.41841	17 47 48.91	−12 00 27.7				684
1997 CF_{22}	1997 04 26.20534	10 17 35.44	+12 07 28.2	18.6	R		684
1997 CF_{22}	1997 04 26.21870	10 17 35.58	+12 07 28.3				684
1997 CF_{22}	1997 04 26.23302	10 17 35.72	+12 07 28.5				684
1997 CK_{22}	1997 04 26.16760	09 53 42.28	+18 46 20.4				684
1997 CK_{22}	1997 04 26.18132	09 53 42.80	+18 46 19.7	18.4	R		684
1997 EY	1997 04 26.21244	11 03 26.25	+04 30 38.1	17.3	R		684
1997 EY	1997 04 26.23984	11 03 25.99	+04 30 38.8				684
1997 EY	1997 04 26.24813	11 03 25.90	+04 30 38.8				684
1997 EO_7	1997 04 26.14126	09 34 59.21	+12 52 08.6	18.8	R		684
1997 EO_7	1997 04 26.15017	09 34 59.31	+12 52 07.4				684
1997 EO_7	1997 04 26.15596	09 34 59.35	+12 52 06.8				684
1997 ED_8	1997 04 27.18563	11 04 33.16	+05 55 26.1				684
1997 ED_8	1997 04 27.20880	11 04 33.30	+05 55 22.5				684

1997 ED_8		1997 04 27.22279	11 04 33.37	+05 55 20.3	18.8	R		684
1997 ED_8		1997 05 10.24087	11 08 35.26	+05 05 29.0				684
1997 ED_8		1997 05 10.25667	11 08 35.68	+05 05 24.3	19.5	R		684
1997 EK_8		1997 04 27.23141	11 08 21.55	+04 41 36.8	19.6	R		684
1997 EK_8		1997 04 27.23849	11 08 21.55	+04 41 36.2				684
1997 FB		1997 04 27.18034	11 04 57.71	+06 47 07.5	17.8	R		684
1997 FB		1997 04 27.19896	11 04 57.78	+06 47 09.5				684
1997 FB		1997 04 27.21568	11 04 57.83	+06 47 10.9				684
1997 FB		1997 05 10.27478	11 09 09.83	+06 48 35.7	18.6	R		684
1997 FB		1997 05 10.27960	11 09 09.98	+06 48 35.3				684
1997 FB		1997 05 10.28373	11 09 10.10	+06 48 35.3				684
1997 FH_1		1997 04 27.16391	09 41 44.38	+16 26 17.8				684
1997 FH_1		1997 04 27.16828	09 41 44.39	+16 26 16.1				684
1997 FH_1		1997 04 27.17255	09 41 44.42	+16 26 15.0	18.6	R		684
1997 GL_{28}		1997 04 27.25794	14 20 33.97	−13 18 28.7	17.5	R		684
1997 GL_{28}		1997 04 27.26204	14 20 33.84	−13 18 26.2				684
1997 GL_{28}		1997 05 03.31473	14 16 24.07	−12 23 20.6	17.7	R		684
1997 GL_{28}		1997 05 03.32034	14 16 23.84	−12 23 17.3				684
1997 GL_{28}		1997 05 03.32461	14 16 23.64	−12 23 15.3				684
1997 GD_{32}		1997 04 28.23746	16 21 15.44	+10 52 51.3				684
1997 GD_{32}		1997 04 28.24187	16 21 21.10	+10 53 10.7	16.4	R		684
1997 GD_{32}		1997 04 28.24862	16 21 29.70	+10 53 40.6				684
1997 GD_{32}		1997 04 28.25046	16 21 32.12	+10 53 49.0				684
1997 GD_{32}		1997 04 28.25814	16 21 42.01	+10 54 23.2				684
1997 HN_2	*	1997 04 28.26597	15 27 15.91	−16 52 52.9				684
1997 HN_2		1997 04 28.27637	15 27 15.55	−16 52 52.6	18.7	R		684
1997 HN_2		1997 05 01.34954	15 25 29.30	−16 54 01.9				684
1997 HN_2		1997 05 01.36051	15 25 28.85	−16 54 02.6	18.4	R		684
1997 HO_2	*	1997 04 28.26597	15 27 29.94	−16 51 08.0				684
1997 HO_2		1997 04 28.27637	15 27 29.47	−16 51 06.2	18.0	R		684
1997 HO_2		1997 05 01.33185	15 25 09.47	−16 40 52.2				684
1997 HO_2		1997 05 01.33571	15 25 09.29	−16 40 51.5	18.2	R		684
1997 HO_2		1997 05 01.33970	15 25 09.11	−16 40 50.7				684
1997 HO_2		1997 05 02.33645	15 24 22.24	−16 37 25.7	17.8	R		684
1997 HO_2		1997 05 02.34060	15 24 22.05	−16 37 24.9				684
1997 HO_2		1997 05 08.31918	15 19 31.87	−16 16 24.8	18.6	R		684
1997 HO_2		1997 05 08.32682	15 19 31.39	−16 16 22.5			I	684
1997 HP_2	*	1997 04 28.27105	15 26 35.13	−17 05 05.2	17.6	R		684
1997 HP_2		1997 04 28.28101	15 26 34.71	−17 05 03.5				684
1997 HP_2		1997 05 01.30061	15 24 06.53	−16 53 57.4				684
1997 HP_2		1997 05 01.32086	15 24 05.41	−16 53 52.5				684
1997 HP_2		1997 05 01.32564	15 24 05.18	−16 53 51.5	17.8	R		684
1997 HP_2		1997 05 02.32413	15 23 14.38	−16 50 04.1	17.8	R		684
1997 HP_2		1997 05 02.32762	15 23 14.20	−16 50 03.3				684
1997 HP_2		1997 05 02.33112	15 23 14.03	−16 50 02.6				684
1997 HP_2		1997 05 08.29146	15 17 57.22	−16 26 39.8	17.6	R		684
1997 HP_2		1997 05 08.29891	15 17 56.81	−16 26 38.1				684
1997 HP_2		1997 05 08.30230	15 17 56.60	−16 26 37.4				684
1997 JT_3	*	1997 05 06.33248	15 25 39.58	−16 50 05.0	18.4	R		684
1997 JT_3		1997 05 06.35164	15 25 38.38	−16 50 02.2				684
1997 JT_3		1997 05 08.33965	15 23 38.71	−16 45 14.3	18.3	R		684
1997 JT_3		1997 05 08.34385	15 23 38.45	−16 45 13.7				684
1997 JT_3		1997 05 08.34817	15 23 38.18	−16 45 13.2				684
1997 JU_3	*	1997 05 06.33248	15 25 46.67	−16 55 11.6	18.0	R		684
1997 JU_3		1997 05 06.35164	15 25 45.54	−16 55 12.5				684
1997 JU_3		1997 05 08.35282	15 23 52.00	−16 57 11.5	17.8	R		684
1997 JU_3		1997 05 08.35648	15 23 51.77	−16 57 11.7				684
1997 JU_3		1997 05 08.35998	15 23 51.57	−16 57 11.9				684
1997 JU_3		1997 05 11.28968	15 21 03.36	−17 00 01.4				684
1997 JU_3		1997 05 11.29411	15 21 03.09	−17 00 01.6				684
1997 JA_8	*	1997 05 08.37303	15 27 11.22	−16 45 51.1	18.3	R		684
1997 JA_8		1997 05 08.38948	15 27 10.20	−16 45 46.8				684
1997 JA_8		1997 05 10.30376	15 25 16.13	−16 37 25.0			I	684
1997 JA_8		1997 05 10.30755	15 25 15.91	−16 37 24.1			I	684
1997 JA_8		1997 05 10.31433	15 25 15.49	−16 37 23.1			I	684
1997 JB_8	*	1997 05 08.37303	15 27 31.03	−16 35 27.2	17.6	R	E	684
1997 JB_8		1997 05 08.38948	15 27 30.01	−16 35 19.8			E	684
1997 JB_8		1997 05 10.29226	15 25 37.38	−16 21 12.7	17.6	R		684
1997 JB_8		1997 05 10.29573	15 25 37.15	−16 21 11.0				684
1997 JB_8		1997 05 10.29905	15 25 36.96	−16 21 09.6				684
1997 JB_8		1997 05 11.30550	15 24 36.35	−16 13 36.7				684
1997 JB_8		1997 05 11.30970	15 24 36.09	−16 13 34.9				684
1997 JB_8		1997 05 11.31431	15 24 35.83	−16 13 33.2				684
1997 JC_8	*	1997 05 08.37303	15 27 42.02	−16 42 11.7	19.0	R		684
1997 JC_8		1997 05 08.38948	15 27 41.16	−16 42 08.5				684
1997 JC_8		1997 05 10.30376	15 26 05.54	−16 36 41.4			F	684
1997 JC_8		1997 05 10.30755	15 26 05.34	−16 36 40.7			F	684
1997 JD_8	*	1997 05 08.37771	15 26 39.89	−16 56 28.2	19.1	R		684
1997 JD_8		1997 05 08.39344	15 26 38.81	−16 56 28.8				684
1997 JD_8		1997 05 10.32734	15 24 33.27	−16 58 24.3				684
1997 JD_8		1997 05 10.33889	15 24 32.52	−16 58 25.5				684
1997 JD_8		1997 05 10.34569	15 24 32.02	−16 58 25.6	19.4	R		684
1997 JE_8	*	1997 05 08.38419	15 26 37.94	−17 17 06.9	17.5	R		684
1997 JE_8		1997 05 08.39766	15 26 37.14	−17 17 06.1				684
1997 JE_8		1997 05 10.35285	15 24 44.35	−17 15 08.1			I	684
1997 JE_8		1997 05 10.36025	15 24 43.97	−17 15 07.4			I	684
1997 JE_8		1997 05 11.32024	15 23 48.09	−17 14 08.7			F	684
1997 JE_8		1997 05 11.32449	15 23 47.85	−17 14 08.9			F	684
1997 JE_8		1997 05 11.32899	15 23 47.52	−17 14 08.4				684
1997 JF_{10}	*	1997 05 11.33485	15 26 33.74	−16 44 21.2				684
1997 JF_{10}		1997 05 11.35076	15 26 32.87	−16 44 17.0				684
1997 JF_{10}		1997 05 13.31764	15 24 43.00	−16 35 48.4	18.3	R		684
1997 JF_{10}		1997 05 13.32178	15 24 42.79	−16 35 47.5			I	684
1997 JF_{10}		1997 05 14.32843	15 23 46.73	−16 31 29.1				684
1997 JF_{10}		1997 05 14.33566	15 23 46.32	−16 31 27.3				684
1997 JF_{10}		1997 05 14.34138	15 23 45.99	−16 31 25.8	18.5	R		684
1997 JG_{10}	*	1997 05 11.33485	15 26 36.77	−16 36 50.1				684
1997 JG_{10}		1997 05 11.35076	15 26 35.96	−16 36 47.3				684
1997 JG_{10}		1997 05 13.31764	15 25 00.38	−16 30 14.0	19.0	R		684
1997 JG_{10}		1997 05 13.32178	15 25 00.19	−16 30 13.1				684
1997 JG_{10}		1997 05 13.32631	15 24 59.97	−16 30 12.2				684
1997 JH_{10}	*	1997 05 11.33485	15 27 00.06	−16 36 35.2				684
1997 JH_{10}		1997 05 11.35076	15 26 59.10	−16 36 30.3				684
1997 JH_{10}		1997 05 13.30000	15 25 03.05	−16 26 55.3	18.0	R		684

1997 JH_{10}	1997 05 13.30765	15 25 02.58	−16 26 52.9			684
1997 JH_{10}	1997 05 13.31175	15 25 02.33	−16 26 51.7			684
1997 JH_{10}	1997 05 14.32843	15 24 01.77	−16 21 53.3			684
1997 JH_{10}	1997 05 14.33566	15 24 01.32	−16 21 51.2			684
1997 JH_{10}	1997 05 14.34138	15 24 00.96	−16 21 49.4	17.7	R	684
(2516)	1997 05 01.34954	15 26 22.83	−17 00 28.7			684
(2516)	1997 05 01.36051	15 26 22.18	−17 00 26.1	16.8	R	684
(4361)	1997 05 08.38419	15 26 53.16	−17 16 25.1	17.2	R	684
(4361)	1997 05 08.39766	15 26 52.52	−17 16 23.1			684
(4739)	1997 05 13.30000	15 24 44.72	−16 16 19.5	16.7	R	684
(4739)	1997 05 13.30765	15 24 44.31	−16 16 17.9			684
(4739)	1997 05 13.31175	15 24 44.08	−16 16 16.9			684
(4928)	1997 05 08.37771	15 26 38.06	−16 56 38.1	16.2	R	684
(4928)	1997 05 08.39344	15 26 37.01	−16 56 33.0			684

688 Lowell Observatory, Anderson Mesa Station

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1.07-m Hall reflector + CCD

USNO-A1.0

1997 ER_{40}	1997 05 08.16919	12 20 02.11	+04 46 30.7	19.1	R	688
1997 ER_{40}	1997 05 08.17237	12 20 02.06	+04 46 32.0	19.1	R	688
1997 ER_{40}	1997 05 08.18824	12 20 01.92	+04 46 36.0	19.1	R	688
1997 ER_{40}	1997 05 08.19142	12 20 01.84	+04 46 37.1	19.0	R	688
1997 GX_{27}	1997 05 08.18281	11 43 46.45	+20 13 46.9	19.0	R	688
1997 GX_{27}	1997 05 08.18461	11 43 46.41	+20 13 41.3	19.1	R	688
1997 GX_{27}	1997 05 08.20027	11 43 46.10	+20 12 56.4	18.8	R	688
1997 GX_{27}	1997 05 08.20206	11 43 46.07	+20 12 50.7	19.2	R	688
1997 GX_{27}	1997 05 08.24839	11 43 45.22	+20 10 35.8	19.1	R	688
1997 GX_{27}	1997 05 08.25019	11 43 45.21	+20 10 30.3	19.1	R	688

689 U.S. Naval Observatory, Flagstaff Station

C. B. Luginbuhl, U. S. Naval Observatory, Flagstaff Station, P.O. Box 1149, Flagstaff AZ 86002-1149 [cluginbuhl@nofs.navy.mil]

Observers C. B. Luginbuhl, A. K. B. Monet

Measurers C. B. Luginbuhl, R. C. Stone

1.55-m astrometric reflector + CCD

USNO-A1.0

1997 CG_6	1997 04 15.29307	13 13 20.42	+02 30 19.5			689
1997 CG_6	1997 04 15.31043	13 13 19.44	+02 30 19.3			689
1997 CG_6	1997 04 15.37765	13 13 14.91	+02 30 18.3	15.6	R	689
1997 CG_6	1997 04 16.29258	13 12 17.77	+02 30 00.3	15.6	R	689
1997 CG_6	1997 04 16.30061	13 12 17.24	+02 30 00.1	15.7	R	689
1997 CG_6	1997 04 16.46427	13 12 06.62	+02 29 56.0	15.3	R	689
1997 CG_6	1997 04 16.46985	13 12 06.26	+02 29 55.8	15.3	R	689
1997 EE_{46}	1997 03 29.18491	10 16 31.86	+02 47 33.9	18.5	R	689
1997 EE_{46}	1997 03 29.25699	10 16 29.76	+02 48 10.0	18.6	R	689
1997 GF_8	1997 04 15.35935	14 47 35.78	−17 42 43.9			689
1997 GF_8	1997 04 15.36909	14 47 35.35	−17 42 44.1			689
1997 GF_8	1997 04 15.42920	14 47 32.03	−17 42 46.6	18.2	R	689
1997 GF_8	1997 04 16.31536	14 46 46.17	−17 43 20.7	18.1	R	689
1997 GF_8	1997 04 16.32168	14 46 45.82	−17 43 20.9	18.1	R	689
1997 GF_8	1997 04 16.47839	14 46 37.10	−17 43 26.1	17.8	R	689
1997 GF_8	1997 04 16.48316	14 46 36.84	−17 43 26.3	17.8	R	689
1997 GX_{36}	* 1997 04 15.29307	13 13 12.20	+02 24 30.1			689
1997 GX_{36}	1997 04 15.31043	13 13 11.52	+02 24 36.2			689
1997 GX_{36}	1997 04 15.37765	13 13 08.54	+02 25 02.9	19.1	R	689
1997 GX_{36}	1997 04 16.29258	13 12 29.96	+02 30 56.5	19.0	R	689
1997 GX_{36}	1997 04 16.30061	13 12 29.62	+02 30 59.6	19.0	R	689
1997 GX_{36}	1997 04 16.46427	13 12 22.55	+02 32 02.2	19.0	R	689
1997 GX_{36}	1997 04 16.46985	13 12 22.31	+02 32 04.4	19.0	R	689

691 Kitt Peak, Steward Observatory

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Observers T. Gehrels, C. W. Hergenrother, J. Montani, J. Larsen, S. M. Larson, J. Montani, J. V. Scotti

Measurers C. W. Hergenrother, J. Larsen, J. V. Scotti

0.91-m Spacewatch telescope + CCD, 2.3-m $f/2$ reflector + CCD

GSC

1976 QL_2	1997 04 29.28277	13 59 59.48	−11 48 01.5	17.3	V	691
1976 QL_2	1997 04 29.31123	13 59 58.07	−11 47 58.5	17.4	V	691
1976 QL_2	1997 04 29.33276	13 59 57.03	−11 47 55.6	17.7	V	691
1976 QL_2	1997 05 08.20744	13 53 09.39	−11 31 08.9	17.6	V	691
1976 QL_2	1997 05 08.22887	13 53 08.42	−11 31 06.7	17.6	V	691
1976 QL_2	1997 05 08.25022	13 53 07.47	−11 31 04.5	17.6	V	691
1977 DS_4	1997 05 06.16120	12 37 10.66	−02 02 18.1	17.9	V	691
1977 DS_4	1997 05 06.18280	12 37 10.00	−02 02 16.0	17.8	V	691
1977 DS_4	1997 05 06.20386	12 37 09.35	−02 02 14.3	17.8	V	691
1977 EL_1	1995 09 21.35166	23 24 15.19	−04 37 18.0	17.4	V	691
1977 EL_1	1995 09 21.35724	23 24 14.84	−04 37 19.6			691
1977 EL_1	1995 09 21.36273	23 24 14.48	−04 37 20.9			691
1978 TO_8	1997 04 28.19738	12 26 42.14	−03 17 53.5	19.1	V	691
1978 TO_8	1997 04 28.21880	12 26 41.44	−03 17 48.9	19.8	V	691
1978 TO_8	1997 04 28.24366	12 26 40.66	−03 17 43.7	19.4	V	691
1978 TO_8	1997 04 30.15109	12 25 43.01	−03 11 06.0	18.8	V	691
1978 TO_8	1997 04 30.17307	12 25 42.36	−03 11 01.7	18.7	V	691
1978 TO_8	1997 04 30.19744	12 25 41.63	−03 10 56.9	18.9	V	691
1978 TO_8	1997 05 09.14926	12 21 55.44	−02 44 34.7	19.1	V	691
1978 TO_8	1997 05 09.17018	12 21 54.95	−02 44 31.7	19.0	V	691
1978 TO_8	1997 05 09.19119	12 21 54.55	−02 44 27.4	19.0	V	691
1978 VT_4	1997 05 06.21773	14 00 43.85	−12 20 28.5	19.1	V	691
1978 VT_4	1997 05 06.27203	14 00 41.41	−12 20 17.0	18.6	V	691
1978 VT_4	1997 05 06.29495	14 00 40.40	−12 20 12.3	19.0	V	691
1980 FS_1	1991 09 09.20961	22 44 34.26	−03 44 29.3	17.9	V	691
1980 FS_1	1991 09 09.23108	22 44 33.06	−03 44 40.2			691
1980 FS_1	1991 09 09.25168	22 44 31.95	−03 44 49.5			691
1981 ES_{12}	1992 05 03.26710	14 24 07.88	−08 28 21.5			691
1981 ES_{12}	1992 05 03.28739	14 24 06.83	−08 28 12.4	19.3	V	691
1981 ES_{12}	1992 05 03.30815	14 24 05.89	−08 28 03.4			691
1981 EL_{13}	1992 05 02.21039	13 57 56.39	−08 56 59.8			691
1981 EL_{13}	1992 05 02.23473	13 57 55.35	−08 56 51.8	19.7	V	691
1981 EL_{13}	1992 05 02.25511	13 57 54.46	−08 56 45.0			691
1981 EV_{18}	1997 04 30.22689	13 55 57.72	−11 00 57.4	18.4	V	691

1981 EV_{18}	1997 04 30.24828	13 55 56.75	−11 00 50.3	18.7	V	691
1981 EV_{18}	1997 04 30.26950	13 55 55.76	−11 00 43.3	18.5	V	691
1981 EQ_{20}	1991 12 04.30605	04 35 10.16	+18 16 03.0			691
1981 EQ_{20}	1991 12 04.32735	04 35 08.82	+18 15 59.8	19.1	V	691
1981 EQ_{20}	1991 12 04.35428	04 35 07.12	+18 15 55.9			691
1981 EV_{28}	1997 05 08.28611	14 12 50.93	−11 03 27.0	19.1	V	691
1981 EV_{28}	1997 05 08.30746	14 12 49.99	−11 03 18.7	19.1	V	691
1981 EV_{28}	1997 05 08.32908	14 12 49.03	−11 03 10.3	18.8	V	691
1981 EW_{30}	1997 05 09.15686	12 32 54.17	−02 42 03.5	19.1	V	691
1981 EW_{30}	1997 05 09.17779	12 32 53.53	−02 41 59.7	19.0	V	691
1981 EW_{30}	1997 05 09.19879	12 32 52.87	−02 41 55.3	19.0	V	691
1983 TE_1	1997 05 05.19520	12 20 04.10	−03 57 33.2	18.5	V	691
1983 TE_1	1997 05 05.21834	12 20 03.51	−03 57 26.7	18.4	V	691
1983 TE_1	1997 05 05.24028	12 20 02.92	−03 57 20.5	18.4	V	691
1983 VH_1	1997 05 02.25381	14 30 25.43	−03 51 42.6	16.8	V	691
1983 VH_1	1997 05 02.28158	14 30 24.08	−03 51 39.6	16.8	V	691
1983 VH_1	1997 05 02.33179	14 30 21.65	−03 51 33.9	16.8	V	691
1983 VH_1	1997 05 10.18815	14 24 14.70	−03 40 05.1	17.1	V	691
1983 VH_1	1997 05 10.20917	14 24 13.74	−03 40 04.0	17.0	V	691
1983 VH_1	1997 05 10.23018	14 24 12.73	−03 40 02.7	16.9	V	691
1984 UJ_1	1993 02 22.39420	11 20 43.28	+11 59 38.8	18.8	V	691
1984 UJ_1	1993 02 22.41611	11 20 41.92	+11 59 45.8			691
1984 UJ_1	1993 02 22.43805	11 20 40.64	+11 59 52.6			691
1984 UJ_1	1997 05 09.15991	12 37 18.35	−02 55 00.7	19.6	V	691
1984 UJ_1	1997 05 09.18084	12 37 17.64	−02 54 58.4	19.7	V	691
1984 UJ_1	1997 05 09.20184	12 37 16.89	−02 54 56.9	19.6	V	691
1985 PS	1997 05 09.28705	14 33 43.29	−04 29 53.1	19.5	V	691
1985 PS	1997 05 09.30817	14 33 42.29	−04 29 49.1	20.2	V	691
1985 PS	1997 05 09.32937	14 33 41.13	−04 29 43.5	19.7	V	691
1985 US	1994 10 05.43412	02 08 40.27	+06 02 02.3	17.2	V	691
1985 US	1994 10 05.45643	02 08 39.35	+06 01 55.7			691
1985 US	1994 10 05.47857	02 08 38.43	+06 01 48.7			691
1987 DB_6	1997 05 03.23518	14 27 28.82	−03 11 10.0	18.0	V	691
1987 DB_6	1997 05 03.25683	14 27 27.76	−03 11 04.7	17.8	V	691
1987 DB_6	1997 05 03.27866	14 27 26.68	−03 10 59.0	17.9	V	691
1987 RX	1993 09 18.39780	01 04 48.79	+04 46 25.6			691
1987 RX	1993 09 18.43139	01 04 47.51	+04 46 16.0	17.5	V	691
1987 RX	1993 09 18.46534	01 04 46.19	+04 46 06.5			691
1988 QY	1997 05 08.35342	15 31 09.85	−11 59 59.4	17.9	V	691
1988 QY	1997 05 08.37480	15 31 09.17	−11 59 52.4	17.9	V	691
1988 QY	1997 05 08.39639	15 31 08.44	−11 59 45.4	17.9	V	691
1989 TC_3	1997 05 09.27389	14 14 43.05	−04 22 43.7	18.3	V	691
1989 TC_3	1997 05 09.29500	14 14 42.14	−04 22 37.5	18.6	V	691
1989 TC_3	1997 05 09.31621	14 14 41.24	−04 22 33.6	18.4	V	691
1989 YA_4	1992 11 27.10566	03 00 51.01	+17 21 21.9	17.8	V	691
1989 YA_4	1992 11 27.12837	03 00 49.65	+17 21 16.2			691
1989 YA_4	1992 11 27.15302	03 00 48.15	+17 21 09.9			691
1990 AD	1992 04 29.43934	16 08 59.33	−05 18 39.3			691
1990 AD	1992 04 29.45832	16 08 58.56	−05 18 36.8	18.1	V	691
1990 AD	1992 04 29.47530	16 08 57.92	−05 18 35.1			691
1990 AD	1997 03 06.45948	14 37 57.35	+04 56 56.2	17.1	V	691
1990 AD	1997 03 06.48065	14 37 57.12	+04 57 02.4	17.3	V	691
1990 AD	1997 03 06.50173	14 37 56.89	+04 57 08.8	17.7	V	691
1990 SG_{11}	1997 04 29.28588	14 04 28.37	−11 49 42.4	17.4	V	691
1990 SG_{11}	1997 04 29.31433	14 04 26.71	−11 49 31.5	17.3	V	691
1990 SG_{11}	1997 04 29.33585	14 04 25.46	−11 49 23.4	17.5	V	691
1990 SG_{12}	1997 04 28.28286	14 05 15.72	−12 27 05.4			691
1990 SG_{12}	1997 04 28.32895	14 05 13.23	−12 26 49.5			691
1990 SG_{12}	1997 04 29.21843	14 04 26.80	−12 21 42.7	19.2	V	691
1990 SG_{12}	1997 04 29.24035	14 04 25.65	−12 21 35.9	19.0	V	691
1990 SG_{12}	1997 04 29.26193	14 04 24.49	−12 21 28.2	19.1	V	691
1990 SG_{12}	1997 05 08.21001	13 56 51.84	−11 31 05.8	19.4	V	691
1990 SG_{12}	1997 05 08.23143	13 56 50.78	−11 30 58.6	19.6	V	691
1990 SG_{12}	1997 05 08.25278	13 56 49.73	−11 30 51.6	19.7	V	691
1990 TE_1	1997 04 28.20277	12 34 28.63	−03 03 08.0	19.6	V	691
1990 TE_1	1997 04 28.22418	12 34 27.65	−03 03 05.6	20.5	V	691
1990 TE_1	1997 04 28.24904	12 34 26.55	−03 03 03.2	20.0	V	691
1990 TE_1	1997 04 30.15620	12 33 05.80	−02 59 56.4	19.5	V	691
1990 TE_1	1997 04 30.17818	12 33 04.87	−02 59 54.5	19.3	V	691
1990 TE_1	1997 04 30.20255	12 33 03.84	−02 59 52.2	19.6	V	691
1990 TE_1	1997 05 03.16469	12 31 05.31	−02 55 41.8	19.6	V	691
1990 TE_1	1997 05 03.20863	12 31 03.60	−02 55 38.3	19.7	V	691
1990 TE_1	1997 05 09.15317	12 27 34.04	−02 49 50.2	20.1	V	691
1990 TE_1	1997 05 09.17409	12 27 33.34	−02 49 49.5	20.1	V	691
1990 TE_1	1997 05 09.19509	12 27 32.65	−02 49 48.6	19.9	V	691
1990 TX_8	1997 04 30.15589	12 32 38.68	−03 19 30.5	19.6	V	691
1990 TX_8	1997 04 30.17786	12 32 37.87	−03 19 26.6	19.5	V	691
1990 TX_8	1997 04 30.20224	12 32 36.95	−03 19 21.9	19.7	V	691
1990 UU_1	1993 05 24.34315	16 05 18.42	−04 18 40.5			691
1990 UU_1	1993 05 24.37549	16 05 16.66	−04 18 30.0	18.6	V	691
1990 UU_1	1993 05 24.40756	16 05 14.88	−04 18 19.2			691
1990 WA_5	1997 05 01.32411	14 27 42.21	−04 05 24.7	17.4	V	691
1990 WA_5	1997 05 01.35232	14 27 40.76	−04 05 18.6	17.0	V	691
1990 WA_5	1997 05 01.38433	14 27 39.05	−04 05 11.6	16.7	V	691
1991 AC	1992 05 02.20299	13 47 15.28	−09 04 26.4	18.1	V	691
1991 AC	1992 05 02.22733	13 47 14.13	−09 04 21.8			691
1991 AC	1992 05 02.24770	13 47 13.15	−09 04 17.4			691
1991 DK_1	1992 04 05.33477	13 24 59.40	−07 39 43.1	19.6	V	691
1991 DK_1	1992 04 05.35562	13 24 58.77	−07 39 39.8			691
1991 DK_1	1992 04 05.37572	13 24 58.13	−07 39 36.7			691
1991 PJ_{13}	1993 01 21.34412	08 44 27.09	+20 10 51.0	18.3	V	691
1991 PJ_{13}	1993 01 21.37784	08 44 24.74	+20 10 58.0			691
1991 PJ_{13}	1993 01 21.41165	08 44 22.41	+20 11 05.0			691
1991 RC_{22}	1991 09 04.40906	23 32 56.71	−10 29 07.1	18.5	V	691
1991 RC_{22}	1991 09 04.42974	23 32 55.49	−10 29 13.0			691
1991 RC_{22}	1991 09 04.45099	23 32 54.18	−10 29 18.0			691
1991 TR_{14}	* 1991 10 05.32544	00 57 19.79	+01 37 03.9	17.7	V	691
1991 TR_{14}	1991 10 05.34610	00 57 18.49	+01 36 54.4			691
1991 TR_{14}	1991 10 05.36662	00 57 17.19	+01 36 44.6			691
1991 UV	1997 05 06.21686	13 59 29.00	−12 13 20.2	16.3	V	691
1991 UV	1997 05 06.27115	13 59 25.81	−12 13 00.0	16.3	V	691
1991 UV	1997 05 06.29407	13 59 24.48	−12 12 51.5	16.2	V	691
1991 UP_2	1991 11 04.42575	03 17 32.77	+13 10 19.6	16.9	V	691
1991 UP_2	1991 11 04.44264	03 17 31.65	+13 10 17.4			691

1991 UP_2		1991 11 04.45911	03 17 30.56	+13 10 15.7			691
1991 UP_2		1992 01 26.09666	02 59 25.87	+16 23 31.8			691
1991 UP_2		1992 01 26.10732	02 59 26.46	+16 23 35.6			691
1991 UP_2		1992 01 26.11830	02 59 27.05	+16 23 39.9	19.6	V	691
1991 UP_2		1993 04 17.12531	11 34 38.43	+10 06 22.3			691
1991 UP_2		1993 04 17.14723	11 34 37.62	+10 06 24.2	18.0	V	691
1991 UP_2		1993 04 17.16890	11 34 36.82	+10 06 25.8			691
1991 VO_7		1993 04 14.13849	11 36 12.94	+05 24 37.0	19.5	V	691
1991 VO_7		1993 04 14.17074	11 36 11.95	+05 24 43.2			691
1991 VO_7		1993 04 14.20273	11 36 10.94	+05 24 48.8			691
1991 XV_6	*	1991 12 14.31661	04 42 16.89	+19 42 33.7			691
1991 XV_6		1991 12 14.33825	04 42 15.44	+19 42 31.0	19.5	V	691
1991 XV_6		1991 12 14.36003	04 42 13.99	+19 42 30.8			691
1992 DV_{13}	*	1992 02 24.46769	11 23 56.07	+18 56 40.0	19.2	V	691
1992 DV_{13}		1992 02 24.49155	11 23 54.75	+18 56 46.6			691
1992 DV_{13}		1992 02 24.51545	11 23 53.46	+18 56 53.4			691
1992 EO_6		1997 05 08.28592	14 12 34.81	−11 21 27.3	19.4	V	691
1992 EO_6		1997 05 08.30727	14 12 33.68	−11 21 23.7	19.3	V	691
1992 EO_6		1997 05 08.32889	14 12 32.55	−11 21 20.1	19.3	V	691
1992 EZ_9		1997 05 02.35255	15 31 04.96	−13 29 15.4	17.4	V	691
1992 EZ_9		1997 05 02.37912	15 31 03.61	−13 29 08.1	17.5	V	691
1992 EZ_9		1997 05 02.40423	15 31 02.34	−13 29 00.8	17.6	V	691
1992 EZ_9		1997 05 10.33160	15 24 18.60	−12 52 40.0	16.7	V	691
1992 EZ_9		1997 05 10.35310	15 24 17.42	−12 52 33.4	16.7	V	691
1992 EZ_9		1997 05 10.37484	15 24 16.22	−12 52 27.4	16.7	V	691
1992 HX		1997 05 03.16821	12 36 10.28	−02 44 19.8	19.2	V	691
1992 HX		1997 05 03.19048	12 36 09.55	−02 44 16.1	19.3	V	691
1992 HX		1997 05 03.21216	12 36 08.84	−02 44 12.3	19.4	V	691
1992 HX		1997 05 09.15715	12 33 18.71	−02 29 12.8	19.4	V	691
1992 HX		1997 05 09.17807	12 33 18.16	−02 29 10.2	19.4	V	691
1992 HX		1997 05 09.19908	12 33 17.59	−02 29 07.5	19.4	V	691
1992 HK_1		1997 04 30.22515	13 53 26.80	−11 10 25.7	17.5	V	691
1992 HK_1		1997 04 30.24654	13 53 25.74	−11 10 21.0	17.5	V	691
1992 HK_1		1997 04 30.26776	13 53 24.68	−11 10 16.7	17.5	V	691
1992 LR		1997 03 15.49507	16 16 32.20	−22 45 38.9			691
1992 LR		1997 03 15.49749	16 16 32.55	−22 45 39.6			691
1992 LR		1997 03 15.50043	16 16 33.00	−22 45 40.1	18.6	R	691
1992 UJ_5		1994 05 02.32527	14 32 23.44	−15 11 23.4			691
1992 UJ_5		1994 05 02.34994	14 32 21.90	−15 11 15.7			691
1992 UJ_5		1994 05 02.37403	14 32 20.36	−15 11 08.8	18.3	V	691
1993 BH_8		1991 10 07.24680	01 46 51.93	−02 27 48.9	18.8	V	691
1993 BH_8		1991 10 07.26888	01 46 50.75	−02 27 57.2			691
1993 BH_8		1991 10 07.28848	01 46 49.71	−02 28 05.3			691
1993 BM_{15}	*	1993 01 22.50119	13 23 33.60	−06 17 40.6	18.7	V	691
1993 BM_{15}		1993 01 22.51089	13 23 33.95	−06 17 43.0			691
1993 BM_{15}		1993 01 22.52004	13 23 34.31	−06 17 45.6			691
1993 FN		1991 10 08.23527	00 34 58.65	+05 31 33.9			691
1993 FN		1991 10 08.25583	00 34 57.33	+05 31 31.9	18.7	V	691
1993 FN		1991 10 08.27629	00 34 55.97	+05 31 28.3			691
1993 FU_7		1995 12 27.45569	09 20 55.19	+17 35 37.4			691
1993 FU_7		1995 12 27.48715	09 20 54.23	+17 35 44.1			691
1993 FU_7		1995 12 27.51148	09 20 53.52	+17 35 49.2	19.4	V	691
1993 FN_{16}		1991 12 07.42102	07 32 09.58	+18 04 52.2	19.1	V	691
1993 FN_{16}		1991 12 07.44540	07 32 08.76	+18 04 53.9			691
1993 FN_{16}		1991 12 07.47257	07 32 07.87	+18 04 56.9			691
1993 FV_{24}		1994 10 13.31299	00 22 25.96	+04 53 59.6			691
1993 FV_{24}		1994 10 13.32108	00 22 25.57	+04 53 55.5			691
1993 FV_{24}		1994 10 13.32851	00 22 25.19	+04 53 53.5	19.0	V	691
1993 FF_{26}		1995 10 26.47109	09 32 02.99	+18 04 04.1			691
1993 FF_{26}		1995 10 26.47872	09 32 03.75	+18 04 00.7			691
1993 FF_{26}		1995 10 26.48451	09 32 04.35	+18 03 58.0	19.9	V	691
1993 FW_{36}		1995 10 26.37843	01 59 04.73	+06 28 40.7	17.4	V	691
1993 FW_{36}		1995 10 26.39939	01 59 03.64	+06 28 33.3			691
1993 FW_{36}		1995 10 26.43185	01 59 01.98	+06 28 21.7			691
1993 FY_{41}		1997 05 14.19000	13 52 59.57	−12 53 55.3	19.3	V	691
1993 FY_{41}		1997 05 14.21175	13 52 58.54	−12 53 50.5	19.5	V	691
1993 FY_{41}		1997 05 14.23342	13 52 57.54	−12 53 45.0	19.4	V	691
1993 GQ_1	*	1993 04 14.13196	11 26 47.61	+05 25 11.1	18.7	V	691
1993 GQ_1		1993 04 14.16421	11 26 46.48	+05 25 17.9			691
1993 GQ_1		1993 04 14.19620	11 26 45.37	+05 25 25.2			691
1993 KS_3	*	1993 05 26.40574	22 34 10.49	−01 10 38.5			691
1993 KS_3		1993 05 26.43278	22 34 11.92	−01 10 29.2	19.3	V	691
1993 KS_3		1993 05 26.45139	22 34 12.87	−01 10 22.6			691
1993 OB_{13}		1992 04 09.19999	12 23 20.46	−01 34 16.7	18.6	V	691
1993 OB_{13}		1992 04 09.22433	12 23 19.37	−01 34 09.0			691
1993 OB_{13}		1992 04 09.24492	12 23 18.42	−01 34 02.7			691
1993 QY_9		1994 12 08.39621	08 41 05.39	+14 46 53.7			691
1993 QY_9		1994 12 08.41842	08 41 05.17	+14 46 55.9			691
1993 QY_9		1994 12 08.44097	08 41 04.90	+14 46 57.2	19.9	V	691
1994 HB		1994 04 16.29915	13 30 25.37	−08 25 29.4	19.5	V	691
1994 HB		1994 04 16.32291	13 30 23.80	−08 25 19.3			691
1994 HB		1994 04 16.34694	13 30 22.26	−08 25 08.4			691
1994 PJ_{10}		1997 05 05.19165	12 14 57.10	−03 51 26.5	19.3	V	691
1994 PJ_{10}		1997 05 05.21479	12 14 56.52	−03 51 22.7	19.3	V	691
1994 PJ_{10}		1997 05 05.23673	12 14 56.00	−03 51 19.1	19.4	V	691
1994 PK_{38}		1992 02 27.11066	09 19 05.11	+14 57 55.9			691
1994 PK_{38}		1992 02 27.13228	09 19 04.15	+14 58 01.7			691
1994 PK_{38}		1992 02 27.15344	09 19 03.20	+14 58 07.4	20.0	V	691
1994 PK_{38}		1997 02 16.34821	10 17 58.26	+10 19 35.6	19.2	V	691
1994 PK_{38}		1997 02 16.36939	10 17 57.20	+10 19 43.3	18.8	V	691
1994 PK_{38}		1997 02 16.39391	10 17 55.98	+10 19 51.1	19.2	V	691
1994 ST_{12}		1993 04 25.24804	14 01 35.26	−12 57 50.0	17.1	V	691
1994 ST_{12}		1993 04 25.28063	14 01 33.34	−12 57 43.0			691
1994 ST_{12}		1993 04 25.31325	14 01 31.41	−12 57 36.6			691
1994 ST_{12}		1997 04 30.15940	12 37 42.54	−03 12 43.3	17.7	V	691
1994 ST_{12}		1997 04 30.18137	12 37 41.61	−03 12 40.0	17.7	V	691
1994 ST_{12}		1997 04 30.20574	12 37 40.62	−03 12 35.9	17.7	V	691
1994 ST_{12}		1997 05 09.15666	12 32 36.21	−02 53 42.7	17.9	V	691
1994 ST_{12}		1997 05 09.17758	12 32 35.60	−02 53 41.1	17.9	V	691
1994 ST_{12}		1997 05 09.19858	12 32 34.98	−02 53 39.1	17.9	V	691
1994 TX_2		1997 04 30.30435	15 47 42.95	−13 41 59.7	17.6	V	691
1994 TX_2		1997 04 30.33954	15 47 41.35	−13 41 47.3	17.5	V	691
1994 TX_2		1997 04 30.38122	15 47 39.46	−13 41 32.7	17.6	V	691
1994 TX_2		1997 05 02.36300	15 46 10.81	−13 29 49.4	17.5	V	691

1994 TX_2		1997 05 02.38958	15 46 09.56	−13 29 40.3	17.5	V	691
1994 TX_2		1997 05 02.41469	15 46 08.37	−13 29 31.2	17.5	V	691
1994 TX_2		1997 05 10.34235	15 39 50.36	−12 42 34.0	17.4	V	691
1994 TX_2		1997 05 10.36386	15 39 49.25	−12 42 26.9	17.4	V	691
1994 TX_2		1997 05 10.38560	15 39 48.15	−12 42 19.0	17.4	V	691
1994 TE_3		1996 01 19.36862	08 46 25.34	+15 43 38.2	18.0	V	691
1994 TE_3		1996 01 19.39073	08 46 24.18	+15 43 42.7			691
1994 TE_3		1996 01 19.41263	08 46 23.05	+15 43 47.0			691
1994 TS_3		1997 05 05.26581	13 56 39.16	−12 38 28.3	17.4	V	691
1994 TS_3		1997 05 05.28807	13 56 37.84	−12 38 26.8	17.3	V	691
1994 TS_3		1997 05 05.31018	13 56 36.52	−12 38 25.1	17.5	V	691
1994 TH_{17}	*	1994 10 08.19419	00 56 55.90	+04 33 21.3	16.5	V	691
1994 TH_{17}		1994 10 08.25553	00 56 52.09	+04 33 08.7			691
1994 TJ_{17}	*	1994 10 08.12942	23 37 40.77	−01 56 31.8	19.6	V	691
1994 TJ_{17}		1994 10 08.17806	23 37 38.58	−01 56 43.0			691
1994 UQ_1		1997 05 08.28251	14 07 38.80	−11 11 20.2	17.9	V	691
1994 UQ_1		1997 05 08.30385	14 07 37.68	−11 11 13.1	18.0	V	691
1994 UQ_1		1997 05 08.32548	14 07 36.53	−11 11 05.6	18.0	V	691
1994 WC		1997 05 05.27319	14 07 18.58	−12 37 40.9	18.8	V	691
1994 WC		1997 05 05.29545	14 07 17.04	−12 37 38.7	18.8	V	691
1994 WC		1997 05 05.31755	14 07 15.50	−12 37 37.0	18.7	V	691
1994 WT_2		1997 05 14.20168	14 09 51.81	−12 43 55.4	18.1	V	691
1994 WT_2		1997 05 14.22343	14 09 50.92	−12 43 52.9	17.9	V	691
1994 WT_2		1997 05 14.24511	14 09 50.04	−12 43 50.7	17.8	V	691
1995 CV		1996 02 10.45921	11 31 52.66	+05 08 46.7			691
1995 CV		1996 02 10.48017	11 31 52.23	+05 08 50.9			691
1995 CV		1996 02 10.50171	11 31 51.79	+05 08 54.8	20.5	V	691
1995 SG		1991 10 08.29442	00 44 24.90	+06 33 49.9	18.8	V	691
1995 SG		1991 10 08.31603	00 44 23.76	+06 33 42.8			691
1995 TG_8	*	1995 10 15.32753	01 35 56.01	+09 10 20.8			691
1995 TG_8		1995 10 15.34887	01 35 55.13	+09 10 15.0	20.5	V	691
1995 TG_8		1995 10 15.36981	01 35 54.28	+09 10 09.0			691
1995 TG_8		1995 10 21.19170	01 32 10.02	+08 43 12.0			691
1995 TG_8		1995 10 21.21287	01 32 09.21	+08 43 05.9	20.5	V	691
1995 TH_8	*	1995 10 15.44584	02 19 49.64	+17 23 20.5	20.7	V	691
1995 TH_8		1995 10 15.46768	02 19 48.69	+17 23 11.6			691
1995 TH_8		1995 10 15.48933	02 19 47.78	+17 23 03.9			691
1995 TH_8		1995 10 22.36055	02 14 54.25	+16 37 18.8			691
1995 TH_8		1995 10 22.38329	02 14 53.29	+16 37 07.4			691
1995 TH_8		1995 10 22.40552	02 14 52.26	+16 36 57.4	20.7	V	691
1995 TJ_8	*	1995 10 15.47306	02 27 35.10	+17 32 40.4	19.5	V	691
1995 TJ_8		1995 10 15.49472	02 27 34.08	+17 32 32.9			691
1995 TJ_8		1995 10 22.36555	02 22 07.05	+16 50 55.9			691
1995 TJ_8		1995 10 22.38829	02 22 05.87	+16 50 46.7	19.3	V	691
1995 TJ_8		1995 10 22.41051	02 22 04.74	+16 50 37.8			691
1995 UB_{50}	*	1995 10 16.21682	00 23 27.52	+03 43 30.5	21.0	V	691
1995 UB_{50}		1995 10 16.23781	00 23 26.51	+03 43 25.9			691
1995 UB_{50}		1995 10 21.12490	00 20 03.69	+03 24 43.2			691
1995 UB_{50}		1995 10 21.14597	00 20 02.83	+03 24 38.6			691
1995 UB_{50}		1995 10 21.16675	00 20 01.96	+03 24 34.9	21.3	V	691
1995 UC_{50}	*	1995 10 17.16791	00 29 02.47	+04 12 01.7			691
1995 UC_{50}		1995 10 17.18889	00 29 01.61	+04 11 53.1			691
1995 UC_{50}		1995 10 17.20971	00 29 00.66	+04 11 46.0	19.1	V	691
1995 UC_{50}		1995 10 22.17689	00 25 44.35	+03 44 56.8	19.2	V	691
1995 UC_{50}		1995 10 22.19870	00 25 43.50	+03 44 50.4			691
1995 UC_{50}		1995 10 22.21993	00 25 42.66	+03 44 43.7			691
1995 UC_{50}		1995 10 27.09492	00 23 07.77	+03 22 13.7	19.7	V	691
1995 UC_{50}		1995 10 27.11584	00 23 07.15	+03 22 08.6			691
1995 UC_{50}		1995 10 27.13679	00 23 06.53	+03 22 03.4			691
1995 UD_{50}	*	1995 10 17.22183	01 23 18.15	+09 57 35.4			691
1995 UD_{50}		1995 10 17.24295	01 23 17.07	+09 57 30.0			691
1995 UD_{50}		1995 10 17.26413	01 23 15.99	+09 57 24.1	20.2	V	691
1995 UD_{50}		1995 10 28.23275	01 14 30.66	+09 08 48.4	20.6	V	691
1995 UD_{50}		1995 10 28.25402	01 14 29.62	+09 08 42.5			691
1995 UD_{50}		1995 10 28.27804	01 14 28.51	+09 08 36.5			691
1995 UE_{50}	*	1995 10 17.22374	01 26 03.73	+09 45 52.3			691
1995 UE_{50}		1995 10 17.24486	01 26 02.46	+09 45 45.5	20.4	V	691
1995 UE_{50}		1995 10 22.23306	01 21 19.07	+09 17 22.1	21.1	V	691
1995 UE_{50}		1995 10 22.25437	01 21 17.83	+09 17 14.8			691
1995 UE_{50}		1995 10 22.27584	01 21 16.57	+09 17 07.7			691
1995 UF_{50}	*	1995 10 17.23117	01 36 46.73	+09 40 35.3	20.4	V	691
1995 UF_{50}		1995 10 17.25228	01 36 45.73	+09 40 29.8			691
1995 UF_{50}		1995 10 17.27346	01 36 44.70	+09 40 22.6			691
1995 UF_{50}		1995 10 22.24115	01 33 00.54	+09 15 50.0			691
1995 UF_{50}		1995 10 22.26247	01 32 59.53	+09 15 43.9	20.6	V	691
1995 UG_{50}	*	1995 10 17.28499	02 23 04.28	+17 46 33.0	18.4	V	691
1995 UG_{50}		1995 10 17.30687	02 23 02.78	+17 46 34.0			691
1995 UG_{50}		1995 10 17.32914	02 23 01.26	+17 46 34.5			691
1995 UG_{50}		1995 10 24.35759	02 14 41.53	+17 43 11.8			691
1995 UG_{50}		1995 10 24.38057	02 14 39.64	+17 43 11.0	18.5	V	691
1995 UG_{50}		1995 10 24.40272	02 14 38.15	+17 43 10.5			691
1995 UH_{50}	*	1995 10 17.28523	02 23 25.71	+17 56 09.3	21.4	V	691
1995 UH_{50}		1995 10 17.30712	02 23 24.43	+17 56 06.6			691
1995 UH_{50}		1995 10 17.32939	02 23 23.04	+17 56 04.7			691
1995 UH_{50}		1995 10 24.35876	02 16 22.21	+17 41 04.4	20.9	V	691
1995 UH_{50}		1995 10 24.38174	02 16 20.72	+17 40 59.6			691
1995 UH_{50}		1995 10 24.40389	02 16 19.30	+17 40 56.0			691
1995 UJ_{50}	*	1995 10 17.28601	02 24 32.90	+17 55 55.4	20.1	V	691
1995 UJ_{50}		1995 10 17.30789	02 24 31.49	+17 55 56.7			691
1995 UJ_{50}		1995 10 17.33016	02 24 30.13	+17 55 58.7			691
1995 UJ_{50}		1995 10 24.35928	02 17 07.45	+18 01 31.9	19.7	V	691
1995 UJ_{50}		1995 10 24.38226	02 17 05.89	+18 01 32.1			691
1995 UJ_{50}		1995 10 24.40441	02 17 04.41	+18 01 32.1			691
1995 UK_{50}	*	1995 10 17.28977	02 29 58.39	+17 40 43.0			691
1995 UK_{50}		1995 10 17.31165	02 29 57.24	+17 40 37.6	19.5	V	691
1995 UK_{50}		1995 10 17.33393	02 29 56.04	+17 40 32.0			691
1995 UK_{50}		1995 10 22.44776	02 25 30.93	+17 17 02.5	19.6	V	691
1995 UK_{50}		1995 10 22.47379	02 25 29.54	+17 16 54.9			691
1995 UK_{50}		1995 10 22.49697	02 25 28.23	+17 16 50.1			691
1995 UL_{50}	*	1995 10 17.29571	02 38 33.38	+17 54 22.2			691
1995 UL_{50}		1995 10 17.31760	02 38 32.28	+17 54 21.4	19.6	V	691
1995 UL_{50}		1995 10 17.33987	02 38 31.13	+17 54 20.8			691
1995 UL_{50}		1995 10 24.36990	02 32 27.34	+17 48 29.4	19.3	V	691
1995 UL_{50}		1995 10 24.39288	02 32 26.06	+17 48 28.1			691

1995 UM_{50}	*	1995 10 17.31218	02 30 43.14	+17 59 37.4	21.5 V		691
1995 UM_{50}		1995 10 17.33446	02 30 41.95	+17 59 34.8			691
1995 UM_{50}		1995 10 24.36425	02 24 18.48	+17 39 18.1	21.3 V		691
1995 UM_{50}		1995 10 24.38724	02 24 17.15	+17 39 13.7			691
1995 UM_{50}		1995 10 24.40939	02 24 15.86	+17 39 10.0			691
1995 UN_{50}	*	1995 10 17.38772	03 29 41.84	+13 52 03.5	20.5 V		691
1995 UN_{50}		1995 10 17.40907	03 29 40.98	+13 52 02.9			691
1995 UN_{50}		1995 10 17.43061	03 29 40.12	+13 52 02.4			691
1995 UN_{50}		1995 10 23.43916	03 25 27.38	+13 49 05.4	19.7 V		691
1995 UN_{50}		1995 10 23.46166	03 25 26.16	+13 49 05.8			691
1995 UO_{50}	*	1995 10 17.39034	03 33 28.95	+14 00 42.2	20.9 V		691
1995 UO_{50}		1995 10 17.41169	03 33 28.18	+14 00 37.6			691
1995 UO_{50}		1995 10 17.43323	03 33 27.44	+14 00 32.2			691
1995 UO_{50}		1995 10 23.44197	03 29 31.23	+13 35 56.3	21.0 V		691
1995 UO_{50}		1995 10 23.46448	03 29 30.19	+13 35 50.3			691
1995 UP_{50}	*	1995 10 17.45270	03 29 18.83	+14 26 55.4			691
1995 UP_{50}		1995 10 17.47709	03 29 18.00	+14 26 52.3	19.9 V		691
1995 UP_{50}		1995 10 17.50116	03 29 17.16	+14 26 49.4			691
1995 UP_{50}		1995 10 25.31973	03 24 12.13	+14 09 18.4			691
1995 UP_{50}		1995 10 25.34254	03 24 11.01	+14 09 15.1	19.6 V		691
1995 UP_{50}		1995 10 25.36718	03 24 09.79	+14 09 11.2			691
1995 UQ_{50}	*	1995 10 17.45397	03 31 09.39	+14 17 49.3	20.7 V		691
1995 UQ_{50}		1995 10 17.47837	03 31 08.66	+14 17 43.2			691
1995 UQ_{50}		1995 10 17.50244	03 31 07.86	+14 17 36.5			691
1995 UQ_{50}		1995 10 23.44076	03 27 46.40	+13 51 23.4	21.2 V		691
1995 UQ_{50}		1995 10 23.46327	03 27 45.40	+13 51 17.1			691
1995 UR_{50}	*	1995 10 17.45624	03 34 25.99	+14 31 08.1			691
1995 UR_{50}		1995 10 17.48064	03 34 25.03	+14 31 01.5	20.9 V		691
1995 UR_{50}		1995 10 17.50470	03 34 24.16	+14 30 54.9			691
1995 UR_{50}		1995 10 28.43565	03 26 09.74	+13 37 47.8	20.1 V		691
1995 UR_{50}		1995 10 28.45707	03 26 08.58	+13 37 41.0			691
1995 UR_{50}		1995 10 28.47846	03 26 07.39	+13 37 34.3			691
1995 US_{50}	*	1995 10 17.45655	03 34 52.73	+14 21 40.3			691
1995 US_{50}		1995 10 17.48095	03 34 51.81	+14 21 37.5	19.3 V		691
1995 US_{50}		1995 10 17.50501	03 34 50.92	+14 21 35.2			691
1995 US_{50}		1995 10 25.32328	03 29 19.57	+14 07 11.1			691
1995 US_{50}		1995 10 25.34609	03 29 18.42	+14 07 08.4	19.2 V		691
1995 US_{50}		1995 10 25.37073	03 29 17.18	+14 07 05.4			691
1995 UT_{50}	*	1995 10 17.45994	03 39 46.45	+14 04 59.5			691
1995 UT_{50}		1995 10 17.48434	03 39 45.56	+14 04 55.9	20.2 V		691
1995 UT_{50}		1995 10 17.50840	03 39 44.69	+14 04 52.2			691
1995 UT_{50}		1995 10 23.44628	03 35 44.08	+13 49 56.6	20.6 V		691
1995 UT_{50}		1995 10 23.46879	03 35 43.12	+13 49 54.6			691
1995 UU_{50}	*	1995 10 18.12481	00 08 06.08	+05 07 23.2	19.4 V		691
1995 UU_{50}		1995 10 18.14595	00 08 05.32	+05 07 13.8			691
1995 UU_{50}		1995 10 18.16675	00 08 04.54	+05 07 04.3			691
1995 UU_{50}		1995 10 23.16396	00 05 33.15	+04 31 34.4	19.8 V		691
1995 UU_{50}		1995 10 23.18492	00 05 32.58	+04 31 26.4			691
1995 UU_{50}		1995 10 23.21438	00 05 31.71	+04 31 15.0			691
1995 UV_{50}	*	1995 10 18.12632	00 10 16.46	+04 58 12.9			691
1995 UV_{50}		1995 10 18.14746	00 10 15.46	+04 58 09.4	18.8 V		691
1995 UV_{50}		1995 10 18.16825	00 10 14.37	+04 58 05.1			691
1995 UV_{50}		1995 10 28.09033	00 03 13.50	+04 33 03.6	19.1 V		691
1995 UV_{50}		1995 10 28.11362	00 03 12.52	+04 33 02.3			691
1995 UV_{50}		1995 10 28.14444	00 03 11.36	+04 32 58.0			691
1995 UW_{50}	*	1995 10 18.12998	00 15 33.19	+04 42 39.9			691
1995 UW_{50}		1995 10 18.15112	00 15 32.57	+04 42 33.0	19.6 V		691
1995 UW_{50}		1995 10 18.17191	00 15 31.94	+04 42 26.0			691
1995 UW_{50}		1995 10 27.15123	00 11 48.61	+03 57 23.2	19.5 V		691
1995 UW_{50}		1995 10 27.17215	00 11 48.21	+03 57 17.3			691
1995 UW_{50}		1995 10 27.19304	00 11 47.72	+03 57 11.5			691
1995 UX_{50}	*	1995 10 19.15344	00 39 52.03	+00 29 59.9	19.1 V		691
1995 UX_{50}		1995 10 19.17408	00 39 51.13	+00 29 55.4			691
1995 UX_{50}		1995 10 19.19470	00 39 50.30	+00 29 50.4			691
1995 UX_{50}		1995 10 24.15406	00 36 47.76	+00 13 32.7	19.8 V		691
1995 UX_{50}		1995 10 24.17807	00 36 46.91	+00 13 28.2			691
1995 UX_{50}		1995 10 24.20078	00 36 46.18	+00 13 23.5			691
1995 UY_{50}	*	1995 10 19.22707	01 19 11.61	+10 11 35.4			691
1995 UY_{50}		1995 10 19.24825	01 19 10.67	+10 11 23.2	20.0 V		691
1995 UY_{50}		1995 10 19.26926	01 19 09.71	+10 11 13.5			691
1995 UY_{50}		1995 10 22.29571	01 17 00.26	+09 47 16.5	19.9 V		691
1995 UY_{50}		1995 10 22.31902	01 16 59.23	+09 47 05.5			691
1995 UY_{50}		1995 10 22.34080	01 16 58.28	+09 46 55.0			691
1995 UZ_{50}	*	1995 10 19.22731	01 19 32.51	+10 31 08.1			691
1995 UZ_{50}		1995 10 19.24848	01 19 31.01	+10 31 08.4	20.8 V		691
1995 UZ_{50}		1995 10 19.26949	01 19 29.51	+10 31 09.3			691
1995 UZ_{50}		1995 10 24.24058	01 14 00.04	+10 34 29.0			691
1995 UZ_{50}		1995 10 24.26189	01 13 58.63	+10 34 29.7			691
1995 UZ_{50}		1995 10 24.28404	01 13 57.10	+10 34 28.8	21.1 V		691
1995 UA_{51}	*	1995 10 19.23466	01 30 08.83	+10 37 13.2			691
1995 UA_{51}		1995 10 19.25583	01 30 07.79	+10 37 08.1			691
1995 UA_{51}		1995 10 19.27684	01 30 06.69	+10 37 04.8	19.7 V		691
1995 UA_{51}		1995 10 24.24879	01 25 52.49	+10 23 41.8	20.9 V		691
1995 UA_{51}		1995 10 24.27009	01 25 51.43	+10 23 37.9			691
1995 UA_{51}		1995 10 24.29224	01 25 50.37	+10 23 33.8			691
1995 UB_{51}	*	1995 10 19.23962	01 37 18.38	+10 20 52.8			691
1995 UB_{51}		1995 10 19.26079	01 37 17.11	+10 20 44.8			691
1995 UB_{51}		1995 10 19.28180	01 37 15.86	+10 20 36.5	20.7 V		691
1995 UB_{51}		1995 10 28.24264	01 28 47.56	+09 24 02.1	20.9 V		691
1995 UB_{51}		1995 10 28.26391	01 28 46.41	+09 23 54.7			691
1995 UC_{51}	*	1995 10 19.30181	02 34 29.25	+18 26 31.0			691
1995 UC_{51}		1995 10 19.34566	02 34 27.02	+18 26 29.6	20.3 V		691
1995 UC_{51}		1995 10 24.43894	02 30 11.67	+18 21 26.9	20.4 V		691
1995 UC_{51}		1995 10 24.46124	02 30 10.42	+18 21 24.6			691
1995 UC_{51}		1995 10 24.48333	02 30 09.22	+18 21 22.2			691
1995 UD_{51}	*	1995 10 19.30252	02 35 30.79	+18 34 55.0			691
1995 UD_{51}		1995 10 19.32438	02 35 29.72	+18 34 53.2			691
1995 UD_{51}		1995 10 19.34637	02 35 28.62	+18 34 51.2	18.8 V		691
1995 UD_{51}		1995 10 24.43968	02 31 15.60	+18 26 31.1	18.8 V		691
1995 UD_{51}		1995 10 24.46198	02 31 14.44	+18 26 28.6			691
1995 UE_{51}	*	1995 10 19.31956	02 28 32.30	+18 29 18.5	21.3 V		691
1995 UE_{51}		1995 10 19.34155	02 28 31.24	+18 29 12.0			691
1995 UE_{51}		1995 10 24.36433	02 24 25.23	+18 01 12.1			691
1995 UE_{51}		1995 10 24.38732	02 24 24.02	+18 01 04.1			691

1995 UE_{51}		1995 10 24.40947	02 24 22.87	+18 00 55.9	21.0 V	691
1995 UF_{51}	*	1995 10 20.08393	22 46 16.58	−01 42 45.0		691
1995 UF_{51}		1995 10 20.10463	22 46 15.83	−01 42 36.5	20.2 V	691
1995 UF_{51}		1995 10 20.12543	22 46 15.09	−01 42 28.6		691
1995 UF_{51}		1995 10 23.10093	22 44 47.63	−01 23 43.1		691
1995 UF_{51}		1995 10 23.12166	22 44 47.18	−01 23 33.7	20.2 V	691
1995 UF_{51}		1995 10 23.14258	22 44 46.57	−01 23 25.2		691
1995 UG_{51}	*	1995 10 20.08921	22 53 54.51	−01 59 21.3		691
1995 UG_{51}		1995 10 20.10993	22 53 54.16	−01 59 13.8	20.7 V	691
1995 UG_{51}		1995 10 20.13073	22 53 53.80	−01 59 04.5		691
1995 UG_{51}		1995 10 23.10689	22 53 23.60	−01 36 58.0		691
1995 UG_{51}		1995 10 23.12762	22 53 23.42	−01 36 47.5		691
1995 UG_{51}		1995 10 23.14855	22 53 23.18	−01 36 39.0	21.0 V	691
1995 UH_{51}	*	1995 10 20.14696	00 36 56.66	+00 40 41.7		691
1995 UH_{51}		1995 10 20.18836	00 36 54.59	+00 40 25.9	20.9 V	691
1995 UH_{51}		1995 10 24.15209	00 33 56.44	+00 16 52.1		691
1995 UH_{51}		1995 10 24.17609	00 33 55.36	+00 16 43.4		691
1995 UH_{51}		1995 10 24.19879	00 33 54.35	+00 16 35.9	20.9 V	691
1995 UJ_{51}	*	1995 10 20.14711	00 37 09.02	+01 01 14.2		691
1995 UJ_{51}		1995 10 20.18851	00 37 07.30	+01 01 00.2	18.8 V	691
1995 UJ_{51}		1995 10 25.13314	00 34 06.99	+00 34 48.0		691
1995 UJ_{51}		1995 10 25.15445	00 34 06.25	+00 34 42.9	18.5 V	691
1995 UJ_{51}		1995 10 25.17523	00 34 05.50	+00 34 36.9		691
1995 UK_{51}	*	1995 10 20.15568	00 49 31.51	+00 51 17.0	19.4 V	691
1995 UK_{51}		1995 10 20.17639	00 49 30.35	+00 51 15.9		691
1995 UK_{51}		1995 10 20.19708	00 49 29.23	+00 51 14.7		691
1995 UK_{51}		1995 10 25.14104	00 45 31.18	+00 45 26.7		691
1995 UK_{51}		1995 10 25.16235	00 45 30.20	+00 45 26.0	21.3 V	691
1995 UK_{51}		1995 10 25.18312	00 45 29.20	+00 45 25.4		691
1995 UL_{51}	*	1995 10 20.21338	00 41 20.30	+01 31 24.7	19.5 V	691
1995 UL_{51}		1995 10 20.23410	00 41 19.20	+01 31 17.5		691
1995 UL_{51}		1995 10 20.25487	00 41 18.13	+01 31 10.2		691
1995 UL_{51}		1995 10 25.13540	00 37 22.70	+01 03 55.8	19.3 V	691
1995 UL_{51}		1995 10 25.15671	00 37 21.71	+01 03 48.6		691
1995 UM_{51}	*	1995 10 20.21873	00 49 03.20	+01 30 34.2	19.2 V	691
1995 UM_{51}		1995 10 20.23945	00 49 02.40	+01 30 21.0		691
1995 UM_{51}		1995 10 20.26023	00 49 01.60	+01 30 07.7		691
1995 UM_{51}		1995 10 25.14169	00 46 27.66	+00 42 19.2		691
1995 UM_{51}		1995 10 25.16300	00 46 27.00	+00 42 07.7	18.9 V	691
1995 UM_{51}		1995 10 25.18378	00 46 26.37	+00 41 56.4		691
1995 UN_{51}	*	1995 10 20.22213	00 53 58.40	+01 25 53.8	20.4 V	691
1995 UN_{51}		1995 10 20.24285	00 53 57.24	+01 25 51.9		691
1995 UN_{51}		1995 10 20.26363	00 53 56.06	+01 25 50.4		691
1995 UN_{51}		1995 10 26.13427	00 49 09.92	+01 21 11.3		691
1995 UN_{51}		1995 10 26.15523	00 49 08.93	+01 21 10.4	20.9 V	691
1995 UN_{51}		1995 10 26.17604	00 49 07.95	+01 21 10.2		691
1995 UO_{51}	*	1995 10 20.30523	00 37 18.44	+01 40 53.5	20.7 V	691
1995 UO_{51}		1995 10 20.33043	00 37 17.34	+01 40 45.2		691
1995 UO_{51}		1995 10 20.35124	00 37 16.26	+01 40 39.9		691
1995 UO_{51}		1995 10 26.12344	00 33 32.52	+01 12 18.0		691
1995 UO_{51}		1995 10 26.14441	00 33 31.68	+01 12 13.6		691
1995 UO_{51}		1995 10 26.16522	00 33 30.99	+01 12 07.6	21.3 V	691
1995 UP_{51}	*	1995 10 20.30623	00 38 44.73	+01 54 56.3	20.0 V	691
1995 UP_{51}		1995 10 20.33143	00 38 43.59	+01 54 47.0		691
1995 UP_{51}		1995 10 20.35224	00 38 42.65	+01 54 39.7		691
1995 UP_{51}		1995 10 26.12434	00 34 49.66	+01 23 50.2		691
1995 UP_{51}		1995 10 26.14530	00 34 48.90	+01 23 45.5		691
1995 UP_{51}		1995 10 26.16611	00 34 48.15	+01 23 40.3	19.8 V	691
1995 UQ_{51}	*	1995 10 20.30740	00 40 25.77	+01 49 59.9		691
1995 UQ_{51}		1995 10 20.33259	00 40 24.72	+01 49 51.9		691
1995 UQ_{51}		1995 10 20.35341	00 40 23.84	+01 49 45.0	19.9 V	691
1995 UQ_{51}		1995 10 26.12585	00 37 01.22	+01 21 41.0	20.5 V	691
1995 UQ_{51}		1995 10 26.14682	00 37 00.51	+01 21 36.2		691
1995 UQ_{51}		1995 10 26.16763	00 36 59.81	+01 21 30.9		691
1995 UR_{51}	*	1995 10 20.30763	00 40 46.09	+01 54 27.9	19.0 V	691
1995 UR_{51}		1995 10 20.33283	00 40 44.88	+01 54 25.0		691
1995 UR_{51}		1995 10 20.35364	00 40 43.87	+01 54 22.5		691
1995 UR_{51}		1995 10 26.18908	00 36 39.70	+01 45 38.1		691
1995 UR_{51}		1995 10 26.21013	00 36 38.83	+01 45 37.9	19.4 V	691
1995 UR_{51}		1995 10 26.23129	00 36 37.97	+01 45 36.5		691
1995 US_{51}	*	1995 10 20.30797	00 41 15.67	+01 52 34.5	20.9 V	691
1995 US_{51}		1995 10 20.33317	00 41 14.39	+01 52 25.2		691
1995 US_{51}		1995 10 20.35398	00 41 13.31	+01 52 17.2		691
1995 US_{51}		1995 10 26.12553	00 36 33.30	+01 22 15.9		691
1995 US_{51}		1995 10 26.14649	00 36 32.34	+01 22 11.0	20.7 V	691
1995 US_{51}		1995 10 26.16730	00 36 31.43	+01 22 05.3		691
1995 UT_{51}	*	1995 10 20.31780	00 55 26.92	+02 04 13.6		691
1995 UT_{51}		1995 10 20.34299	00 55 25.57	+02 04 10.6	18.7 V	691
1995 UT_{51}		1995 10 20.36380	00 55 24.45	+02 04 08.1		691
1995 UT_{51}		1995 10 26.19862	00 50 26.64	+01 53 55.1	19.0 V	691
1995 UT_{51}		1995 10 26.21968	00 50 25.58	+01 53 53.1		691
1995 UT_{51}		1995 10 26.24083	00 50 24.51	+01 53 51.3		691
1995 UU_{51}	*	1995 10 20.31800	00 55 43.82	+01 40 56.5	19.9 V	691
1995 UU_{51}		1995 10 20.36400	00 55 41.61	+01 40 43.8		691
1995 UU_{51}		1995 10 26.13579	00 51 21.76	+01 15 55.3		691
1995 UU_{51}		1995 10 26.15676	00 51 20.84	+01 15 50.0	20.6 V	691
1995 UU_{51}		1995 10 26.17756	00 51 19.83	+01 15 44.7		691
1995 UV_{51}	*	1995 10 20.37927	02 05 51.94	+05 25 09.2		691
1995 UV_{51}		1995 10 20.40007	02 05 50.57	+05 25 09.5	17.2 V	691
1995 UV_{51}		1995 10 20.42096	02 05 49.18	+05 25 09.6		691
1995 UV_{51}		1995 10 25.20130	02 00 37.34	+05 26 32.2	17.6 V	691
1995 UV_{51}		1995 10 25.25118	02 00 34.01	+05 26 33.5		691
1995 UW_{51}	*	1995 10 20.44504	03 24 54.08	+14 47 16.8	20.9 V	691
1995 UW_{51}		1995 10 20.46859	03 24 53.03	+14 47 15.0		691
1995 UW_{51}		1995 10 20.49185	03 24 51.91	+14 47 12.7		691
1995 UW_{51}		1995 10 25.38785	03 20 46.06	+14 39 23.0		691
1995 UW_{51}		1995 10 25.41565	03 20 44.61	+14 39 21.2		691
1995 UW_{51}		1995 10 25.43891	03 20 43.44	+14 39 19.4	21.0 V	691
1995 UX_{51}	*	1995 10 20.44618	03 26 33.28	+14 38 30.0	21.1 V	691
1995 UX_{51}		1995 10 20.46974	03 26 32.47	+14 38 23.1		691
1995 UX_{51}		1995 10 20.49300	03 26 31.66	+14 38 16.0		691
1995 UX_{51}		1995 10 28.43227	03 21 17.31	+13 59 50.0		691
1995 UX_{51}		1995 10 28.45370	03 21 16.29	+13 59 43.1	20.2 V	691
1995 UX_{51}		1995 10 28.47509	03 21 15.22	+13 59 36.4		691

1995 UY_{51}	*	1995 10 20.44863	03 30 04.85	+14 37 11.2	20.1	V	691
1995 UY_{51}		1995 10 20.47218	03 30 03.80	+14 37 06.2			691
1995 UY_{51}		1995 10 25.32134	03 26 31.66	+14 20 57.1	19.9	V	691
1995 UY_{51}		1995 10 25.34415	03 26 30.50	+14 20 52.3			691
1995 UY_{51}		1995 10 25.36879	03 26 29.25	+14 20 47.0			691
1995 UZ_{51}	*	1995 10 20.45026	03 32 26.86	+14 39 35.7			691
1995 UZ_{51}		1995 10 20.47382	03 32 25.74	+14 39 37.5	19.2	V	691
1995 UZ_{51}		1995 10 20.49708	03 32 24.71	+14 39 39.4			691
1995 UZ_{51}		1995 10 25.39334	03 28 41.66	+14 46 18.0	19.0	V	691
1995 UZ_{51}		1995 10 25.42113	03 28 40.27	+14 46 20.5			691
1995 UZ_{51}		1995 10 25.44438	03 28 39.10	+14 46 22.1			691
1995 UA_{52}	*	1995 10 20.47052	03 27 40.19	+14 59 57.2	19.7	V	691
1995 UA_{52}		1995 10 20.49378	03 27 38.96	+14 59 53.7			691
1995 UA_{52}		1995 10 25.38955	03 23 13.76	+14 47 14.2			691
1995 UA_{52}		1995 10 25.41734	03 23 12.09	+14 47 09.8			691
1995 UA_{52}		1995 10 25.44059	03 23 10.69	+14 47 05.7	19.6	V	691
1995 UB_{52}	*	1995 10 21.26013	02 19 22.02	+05 50 40.7			691
1995 UB_{52}		1995 10 21.28119	02 19 20.93	+05 50 33.5			691
1995 UB_{52}		1995 10 21.30319	02 19 19.75	+05 50 25.6	20.8	V	691
1995 UB_{52}		1995 10 25.21191	02 15 56.30	+05 27 37.5	20.8	V	691
1995 UB_{52}		1995 10 25.23287	02 15 55.16	+05 27 30.2			691
1995 UC_{52}	*	1995 10 21.31801	02 08 46.71	+06 36 12.6			691
1995 UC_{52}		1995 10 21.34517	02 08 44.71	+06 36 11.5	20.5	V	691
1995 UC_{52}		1995 10 21.36628	02 08 43.20	+06 36 10.7			691
1995 UC_{52}		1995 10 26.38104	02 02 50.54	+06 33 44.1			691
1995 UC_{52}		1995 10 26.40199	02 02 49.05	+06 33 43.4	20.9	V	691
1995 UD_{52}	*	1995 10 21.34971	02 15 17.81	+06 19 33.3	21.2	V	691
1995 UD_{52}		1995 10 21.37082	02 15 16.67	+06 19 26.9			691
1995 UD_{52}		1995 10 26.26831	02 11 02.56	+05 53 42.6	21.1	V	691
1995 UD_{52}		1995 10 26.30174	02 11 00.72	+05 53 32.1			691
1995 UD_{52}		1995 10 26.32404	02 10 59.55	+05 53 25.3			691
1995 UE_{52}	*	1995 10 21.38347	02 02 01.92	+06 41 32.6			691
1995 UE_{52}		1995 10 21.40452	02 02 00.45	+06 41 25.9	18.1	V	691
1995 UE_{52}		1995 10 21.42756	02 01 58.90	+06 41 20.6			691
1995 UE_{52}		1995 10 26.37676	01 56 40.06	+06 23 05.7	18.2	V	691
1995 UE_{52}		1995 10 26.39771	01 56 38.64	+06 23 01.1			691
1995 UE_{52}		1995 10 26.43017	01 56 36.53	+06 22 54.4			691
1995 UF_{52}	*	1995 10 21.39194	02 14 15.04	+06 42 14.6			691
1995 UF_{52}		1995 10 21.41299	02 14 13.86	+06 42 10.9	21.1	V	691
1995 UF_{52}		1995 10 21.43603	02 14 12.61	+06 42 06.8			691
1995 UF_{52}		1995 10 26.38577	02 09 40.76	+06 27 50.6	21.1	V	691
1995 UF_{52}		1995 10 26.40673	02 09 39.63	+06 27 46.8			691
1995 UG_{52}	*	1995 10 21.39282	02 15 31.30	+07 00 31.0	20.8	V	691
1995 UG_{52}		1995 10 21.41387	02 15 30.34	+07 00 24.8			691
1995 UG_{52}		1995 10 21.43691	02 15 29.27	+07 00 17.7			691
1995 UG_{52}		1995 10 26.38722	02 11 46.41	+06 35 48.4	20.7	V	691
1995 UG_{52}		1995 10 26.44064	02 11 43.93	+06 35 34.1			691
1995 UH_{52}	*	1995 10 21.39323	02 16 07.41	+06 58 30.5			691
1995 UH_{52}		1995 10 21.41429	02 16 06.16	+06 58 32.1	20.7	V	691
1995 UH_{52}		1995 10 21.43732	02 16 04.80	+06 58 33.7			691
1995 UH_{52}		1995 10 27.34548	02 10 20.17	+07 06 15.3	20.7	V	691
1995 UH_{52}		1995 10 27.36648	02 10 18.89	+07 06 17.5			691
1995 UJ_{52}	*	1995 10 21.40442	02 01 51.65	+06 57 39.2	19.6	V	691
1995 UJ_{52}		1995 10 21.42746	02 01 50.64	+06 57 21.4			691
1995 UJ_{52}		1995 10 26.25961	01 58 29.41	+05 57 58.7			691
1995 UJ_{52}		1995 10 26.29305	01 58 27.94	+05 57 35.1			691
1995 UJ_{52}		1995 10 26.31535	01 58 26.98	+05 57 18.6	19.5	V	691
1995 UK_{52}	*	1995 10 21.40640	02 04 42.96	+06 55 01.4	18.8	V	691
1995 UK_{52}		1995 10 21.42943	02 04 41.66	+06 54 53.2			691
1995 UK_{52}		1995 10 26.37924	02 00 15.13	+06 26 45.8	18.8	V	691
1995 UK_{52}		1995 10 26.40020	02 00 13.93	+06 26 38.8			691
1995 UK_{52}		1995 10 26.43266	02 00 12.13	+06 26 28.4			691
1995 UL_{52}	*	1995 10 21.41470	02 16 42.38	+06 43 50.0	20.3	V	691
1995 UL_{52}		1995 10 21.43774	02 16 41.13	+06 43 40.6			691
1995 UL_{52}		1995 10 26.38758	02 12 17.31	+06 11 25.0			691
1995 UL_{52}		1995 10 26.40854	02 12 16.25	+06 11 16.5			691
1995 UL_{52}		1995 10 26.44100	02 12 14.41	+06 11 03.8	20.7	V	691
1995 UM_{52}	*	1995 10 22.17163	00 18 08.67	+03 44 54.8	18.0	V	691
1995 UM_{52}		1995 10 22.19344	00 18 07.89	+03 44 52.3			691
1995 UM_{52}		1995 10 22.21467	00 18 06.98	+03 44 50.9			691
1995 UM_{52}		1995 10 27.15367	00 15 20.17	+03 37 36.3			691
1995 UM_{52}		1995 10 27.17459	00 15 19.53	+03 37 34.8	18.5	V	691
1995 UN_{52}	*	1995 10 22.17622	00 24 46.22	+03 45 49.0	20.6	V	691
1995 UN_{52}		1995 10 22.19803	00 24 45.22	+03 45 46.3			691
1995 UN_{52}		1995 10 22.21926	00 24 44.27	+03 45 42.4			691
1995 UN_{52}		1995 10 27.15784	00 21 21.20	+03 33 12.0			691
1995 UN_{52}		1995 10 27.17875	00 21 20.36	+03 33 09.3	20.6	V	691
1995 UN_{52}		1995 10 27.19964	00 21 19.55	+03 33 06.2			691
1995 UO_{52}	*	1995 10 22.17681	00 25 37.62	+03 50 51.2			691
1995 UO_{52}		1995 10 22.19862	00 25 36.70	+03 50 42.6	20.0	V	691
1995 UO_{52}		1995 10 22.21986	00 25 35.78	+03 50 33.5			691
1995 UO_{52}		1995 10 27.09454	00 22 35.32	+03 19 07.7			691
1995 UO_{52}		1995 10 27.11547	00 22 34.65	+03 18 59.9			691
1995 UO_{52}		1995 10 27.13641	00 22 33.89	+03 18 52.3	20.5	V	691
1995 UP_{52}	*	1995 10 22.23495	01 24 03.44	+09 16 16.7			691
1995 UP_{52}		1995 10 22.25627	01 24 02.50	+09 16 12.2	20.2	V	691
1995 UP_{52}		1995 10 22.27775	01 24 01.45	+09 16 07.9			691
1995 UP_{52}		1995 10 27.21493	01 20 17.20	+08 59 56.7			691
1995 UP_{52}		1995 10 27.23596	01 20 16.30	+08 59 52.7			691
1995 UP_{52}		1995 10 27.25708	01 20 15.30	+08 59 48.6	20.7	V	691
1995 UQ_{52}	*	1995 10 22.29685	01 18 39.52	+10 03 31.2	21.5	V	691
1995 UQ_{52}		1995 10 22.34194	01 18 36.88	+10 03 31.8			691
1995 UQ_{52}		1995 10 28.30185	01 13 05.72	+10 04 32.7	21.7	V	691
1995 UQ_{52}		1995 10 28.32325	01 13 04.56	+10 04 33.1			691
1995 UR_{52}	*	1995 10 22.30710	01 33 27.49	+09 43 11.9			691
1995 UR_{52}		1995 10 22.33041	01 33 25.89	+09 43 06.2			691
1995 UR_{52}		1995 10 22.35218	01 33 24.39	+09 43 01.9	18.8	V	691
1995 UR_{52}		1995 10 28.24153	01 27 11.04	+09 26 46.2	19.5	V	691
1995 UR_{52}		1995 10 28.26279	01 27 09.70	+09 26 42.8			691
1995 UR_{52}		1995 10 28.28681	01 27 08.19	+09 26 39.1			691
1995 US_{52}	*	1995 10 22.30952	01 36 56.75	+09 42 55.0	18.2	V	691
1995 US_{52}		1995 10 22.33284	01 36 55.64	+09 42 48.3			691
1995 US_{52}		1995 10 28.24520	01 32 28.75	+09 14 48.2			691
1995 US_{52}		1995 10 28.26647	01 32 27.79	+09 14 42.3	18.5	V	691

1995 US_{52}		1995 10 28.29049	01 32 26.68	+09 14 35.4			691
1995 UT_{52}	*	1995 10 23.16451	00 06 20.74	+04 33 14.9			691
1995 UT_{52}		1995 10 23.18547	00 06 20.00	+04 33 12.7	19.8	V	691
1995 UT_{52}		1995 10 23.21492	00 06 18.98	+04 33 07.7			691
1995 UT_{52}		1995 10 28.09076	00 03 50.72	+04 21 48.0			691
1995 UT_{52}		1995 10 28.11406	00 03 49.96	+04 21 46.4	20.0	V	691
1995 UT_{52}		1995 10 28.14487	00 03 49.08	+04 21 42.3			691
1995 UU_{52}	*	1995 10 23.17324	00 18 56.18	+04 13 02.7	20.7	V	691
1995 UU_{52}		1995 10 23.19419	00 18 55.38	+04 12 52.4			691
1995 UU_{52}		1995 10 23.22364	00 18 54.19	+04 12 39.0			691
1995 UU_{52}		1995 10 27.15458	00 16 38.96	+03 43 56.0			691
1995 UU_{52}		1995 10 27.17550	00 16 38.31	+03 43 47.9			691
1995 UU_{52}		1995 10 27.19638	00 16 37.59	+03 43 39.0	20.6	V	691
1995 UV_{52}	*	1995 10 23.17358	00 19 26.10	+04 11 21.9			691
1995 UV_{52}		1995 10 23.19453	00 19 25.14	+04 11 14.9	20.0	V	691
1995 UV_{52}		1995 10 23.22398	00 19 23.81	+04 11 05.8			691
1995 UV_{52}		1995 10 27.15468	00 16 47.17	+03 51 41.0			691
1995 UV_{52}		1995 10 27.17559	00 16 46.38	+03 51 35.1	20.0	V	691
1995 UV_{52}		1995 10 27.19648	00 16 45.58	+03 51 29.3			691
1995 UW_{52}	*	1995 10 23.17535	00 21 58.91	+04 31 43.5			691
1995 UW_{52}		1995 10 23.19629	00 21 57.99	+04 31 41.1	19.8	V	691
1995 UW_{52}		1995 10 23.22575	00 21 56.68	+04 31 38.8			691
1995 UW_{52}		1995 10 28.10102	00 18 39.68	+04 25 16.4			691
1995 UW_{52}		1995 10 28.12432	00 18 38.78	+04 25 14.5	20.0	V	691
1995 UW_{52}		1995 10 28.15512	00 18 37.57	+04 25 13.3			691
1995 UX_{52}	*	1995 10 23.17594	00 22 50.35	+04 07 40.8	21.1	V	691
1995 UX_{52}		1995 10 23.19689	00 22 49.53	+04 07 36.2			691
1995 UX_{52}		1995 10 23.22634	00 22 48.35	+04 07 30.5			691
1995 UX_{52}		1995 10 27.15737	00 20 40.22	+03 55 12.1			691
1995 UX_{52}		1995 10 27.17828	00 20 39.57	+03 55 09.1			691
1995 UX_{52}		1995 10 27.19917	00 20 38.94	+03 55 05.3	21.0	V	691
1995 UY_{52}	*	1995 10 23.24189	00 13 13.50	+04 57 10.8	21.2	V	691
1995 UY_{52}		1995 10 23.26616	00 13 12.54	+04 57 04.2			691
1995 UY_{52}		1995 10 28.09529	00 10 22.71	+04 35 50.7			691
1995 UY_{52}		1995 10 28.11858	00 10 21.93	+04 35 45.8	21.0	V	691
1995 UY_{52}		1995 10 28.14939	00 10 20.90	+04 35 37.4			691
1995 UZ_{52}	*	1995 10 23.24592	00 19 03.06	+05 03 27.8			691
1995 UZ_{52}		1995 10 23.27020	00 19 02.29	+05 03 15.9			691
1995 UZ_{52}		1995 10 23.29549	00 19 01.54	+05 03 03.4	21.0	V	691
1995 UZ_{52}		1995 10 28.09978	00 16 51.98	+04 24 31.3	20.5	V	691
1995 UZ_{52}		1995 10 28.12308	00 16 51.44	+04 24 19.7			691
1995 UA_{53}	*	1995 10 23.25116	00 26 36.84	+04 59 32.6			691
1995 UA_{53}		1995 10 23.27543	00 26 35.85	+04 59 27.1	20.2	V	691
1995 UA_{53}		1995 10 28.17987	00 23 31.11	+04 41 58.3			691
1995 UA_{53}		1995 10 28.20226	00 23 30.27	+04 41 53.8	19.9	V	691
1995 UA_{53}		1995 10 28.22338	00 23 29.52	+04 41 49.3			691
1995 UB_{53}	*	1995 10 23.25199	00 27 48.39	+05 04 32.5			691
1995 UB_{53}		1995 10 23.27626	00 27 47.53	+05 04 19.9	19.9	V	691
1995 UB_{53}		1995 10 23.30156	00 27 46.64	+05 04 06.4			691
1995 UB_{53}		1995 10 28.10576	00 25 30.23	+04 24 49.5	20.0	V	691
1995 UB_{53}		1995 10 28.12906	00 25 29.60	+04 24 38.5			691
1995 UB_{53}		1995 10 28.15987	00 25 28.76	+04 24 24.4			691
1995 UC_{53}	*	1995 10 23.25224	00 28 10.39	+04 44 24.3			691
1995 UC_{53}		1995 10 23.27651	00 28 09.37	+04 44 19.2			691
1995 UC_{53}		1995 10 23.30181	00 28 08.35	+04 44 12.9	20.8	V	691
1995 UC_{53}		1995 10 28.10570	00 25 24.34	+04 27 40.6	20.9	V	691
1995 UC_{53}		1995 10 28.12899	00 25 23.54	+04 27 36.5			691
1995 UC_{53}		1995 10 28.15980	00 25 22.53	+04 27 30.5			691
1995 UD_{53}	*	1995 10 23.27204	00 21 41.74	+04 55 36.2	21.6	V	691
1995 UD_{53}		1995 10 23.29733	00 21 40.61	+04 55 34.2			691
1995 UD_{53}		1995 10 28.17639	00 18 29.62	+04 50 00.3	21.1	V	691
1995 UD_{53}		1995 10 28.19878	00 18 28.74	+04 49 59.3			691
1995 UD_{53}		1995 10 28.21990	00 18 27.96	+04 49 57.5			691
1995 UE_{53}	*	1995 10 23.44520	03 34 11.18	+13 30 25.2	21.1	V	691
1995 UE_{53}		1995 10 23.46771	03 34 09.99	+13 30 26.8			691
1995 UE_{53}		1995 10 28.43811	03 29 43.06	+13 36 04.8			691
1995 UE_{53}		1995 10 28.45953	03 29 41.76	+13 36 06.3	20.3	V	691
1995 UE_{53}		1995 10 28.48092	03 29 40.47	+13 36 07.9			691
1995 UF_{53}	*	1995 10 19.16256	00 53 01.61	+00 23 02.0			691
1995 UF_{53}		1995 10 19.18319	00 53 00.46	+00 22 55.6	18.2	V	691
1995 UF_{53}		1995 10 19.20381	00 52 59.27	+00 22 49.3			691
1995 VQ_{12}		1997 05 09.15036	12 23 31.22	−02 30 35.9	19.5	V	691
1995 VQ_{12}		1997 05 09.17129	12 23 30.80	−02 30 30.8	19.3	V	691
1995 VQ_{12}		1997 05 09.19230	12 23 30.40	−02 30 23.6	19.4	V	691
1995 WF_2		1992 04 29.21931	13 54 33.81	−09 54 32.1	19.3	V	691
1995 WF_2		1992 04 29.23977	13 54 32.88	−09 54 27.1			691
1995 WF_2		1992 04 29.26159	13 54 31.97	−09 54 21.2			691
1995 WO_3		1997 04 27.14439	12 21 41.37	−03 54 09.4			691
1995 WO_3		1997 04 27.16523	12 21 40.59	−03 54 03.6			691
1995 WO_3		1997 04 27.18633	12 21 39.79	−03 53 57.6			691
1995 WW_{17}		1997 05 09.14930	12 21 58.81	−02 56 39.7	18.3	V	691
1995 WW_{17}		1997 05 09.17022	12 21 58.42	−02 56 41.0	18.4	V	691
1995 WW_{17}		1997 05 09.19123	12 21 58.00	−02 56 42.1	18.4	V	691
1995 XG		1997 04 29.28282	14 00 03.65	−11 36 31.7	17.9	V	691
1995 XG		1997 04 29.31127	14 00 01.79	−11 36 25.1	18.0	V	691
1995 XG		1997 04 29.33279	14 00 00.34	−11 36 20.3	18.1	V	691
1995 XG		1997 05 08.27097	13 50 59.85	−11 02 30.8	18.4	V	691
1995 XG		1997 05 08.29232	13 50 58.59	−11 02 26.0	18.5	V	691
1995 XG		1997 05 08.31394	13 50 57.30	−11 02 21.3	18.2	V	691
1995 XP_2		1997 05 05.20264	12 30 48.85	−03 56 25.9	18.8	V	691
1995 XP_2		1997 05 05.22578	12 30 48.09	−03 56 19.9	18.8	V	691
1995 XP_2		1997 05 05.24772	12 30 47.38	−03 56 13.9	18.8	V	691
1995 YT		1997 03 15.40984	12 31 19.88	−02 18 42.1	20.0	V	691
1995 YT		1997 03 15.43369	12 31 18.65	−02 18 33.6	19.9	V	691
1995 YT		1997 03 15.45492	12 31 17.56	−02 18 26.0	20.0	V	691
1995 YZ_1		1992 03 25.36954	12 45 48.32	−04 32 38.9	18.6	V	691
1995 YZ_1		1992 03 25.38985	12 45 47.29	−04 32 34.6			691
1996 AL_2		1991 10 14.46821	08 54 22.90	+18 42 16.0	20.0	V	691
1996 AL_2		1991 10 14.48345	08 54 24.04	+18 42 14.5			691
1996 AL_2		1991 10 14.49844	08 54 25.14	+18 42 12.8			691
1996 AH_{20}	*	1996 01 13.29894	08 44 04.29	+15 42 41.8	18.5	V	691
1996 AH_{20}		1996 01 13.32051	08 44 02.94	+15 42 48.1			691
1996 AH_{20}		1996 01 19.28488	08 37 44.57	+16 12 01.6			691
1996 AH_{20}		1996 01 19.30667	08 37 43.04	+16 12 08.6	18.6	V	691

1996 AH_{20}	1996 01 19.33108	08 37 41.38	+16 12 16.2			691
1996 DP	1993 08 15.37238	22 12 44.73	−11 37 13.0	17.5	V	691
1996 DP	1993 08 15.39409	22 12 43.57	−11 37 19.9			691
1996 DP	1993 08 15.41600	22 12 42.40	−11 37 26.9			691
1997 AM_{19}	1992 11 17.32330	03 08 06.52	+11 53 03.3	17.0	V	691
1997 AM_{19}	1992 11 17.34883	03 08 04.91	+11 52 57.3			691
1997 AM_{19}	1992 11 17.37449	03 08 03.30	+11 52 51.2			691
1997 BU_{1}	1992 01 01.50606	09 22 35.37	+17 58 29.4			691
1997 BU_{1}	1992 01 01.52738	09 22 34.79	+17 58 32.2	18.7	V	691
1997 BU_{1}	1992 01 01.55037	09 22 34.19	+17 58 35.5			691
1997 BU_{1}	1992 02 01.37879	09 00 05.24	+19 41 28.8	17.6	V	691
1997 BU_{1}	1992 02 01.40462	09 00 03.80	+19 41 33.9			691
1997 BU_{1}	1995 10 28.37957	01 32 09.41	+10 08 50.6	17.8	V	691
1997 BU_{1}	1995 10 28.40071	01 32 08.35	+10 08 45.5			691
1997 BU_{1}	1995 10 28.42174	01 32 07.32	+10 08 40.1			691
1997 BB_{2}	1994 03 05.18166	10 16 13.72	+13 11 02.0	17.5	V	691
1997 BB_{2}	1994 03 05.20581	10 16 12.10	+13 11 08.4			691
1997 BB_{2}	1994 03 05.22976	10 16 10.57	+13 11 14.8			691
1997 BP_{3}	1994 05 09.30162	15 28 33.27	−06 09 02.0	17.6	V	691
1997 BP_{3}	1994 05 09.37349	15 28 28.86	−06 08 44.9			691
1997 BP_{3}	1994 05 09.45292	15 28 24.06	−06 08 26.2			691
1997 BF_{9}	1994 09 30.16950	00 07 13.60	+00 55 32.2	18.9	V	691
1997 BF_{9}	1994 09 30.19258	00 07 12.58	+00 55 25.8			691
1997 BF_{9}	1994 09 30.21568	00 07 11.58	+00 55 19.1			691
1997 BN_{9}	1997 05 05.19817	12 24 21.90	−03 31 37.0	18.8	V	691
1997 BN_{9}	1997 05 05.22131	12 24 21.39	−03 31 30.0	19.3	V	691
1997 BN_{9}	1997 05 05.24326	12 24 20.91	−03 31 23.5	19.0	V	691
1997 BN_{9}	1997 05 08.14814	12 23 26.17	−03 17 31.8	19.2	V	691
1997 BN_{9}	1997 05 08.16919	12 23 25.77	−03 17 25.8	19.1	V	691
1997 BN_{9}	1997 05 08.19003	12 23 25.38	−03 17 20.2	19.1	V	691
1997 CP	1994 03 14.46498	14 02 46.73	−08 44 49.1	18.3	V	691
1997 CP	1994 03 14.48872	14 02 46.10	−08 44 43.4			691
1997 CP	1994 03 14.51106	14 02 45.48	−08 44 37.3			691
1997 CE_{1}	1994 04 16.27948	13 02 00.65	−08 38 42.1			691
1997 CE_{1}	1994 04 16.30323	13 01 59.26	−08 38 36.2	17.8	V	691
1997 CE_{1}	1994 04 16.32726	13 01 57.81	−08 38 30.6			691
1997 CF_{3}	1991 09 05.25625	22 22 53.05	−09 12 03.6	18.8	V	691
1997 CF_{3}	1991 09 05.27672	22 22 51.95	−09 12 12.6			691
1997 CF_{3}	1991 09 05.30550	22 22 50.41	−09 12 26.2			691
1997 CE_{18}	1997 05 01.20310	08 53 24.96	+15 35 22.6	20.9	V	691
1997 CE_{18}	1997 05 01.21926	08 53 25.28	+15 35 22.2			691
1997 CT_{19}	1992 11 25.43781	04 53 06.64	+22 10 37.2	17.0	V	691
1997 CT_{19}	1992 11 25.48791	04 53 03.63	+22 10 28.1			691
1997 CY_{19}	1991 11 28.08466	02 25 06.26	+22 08 05.8			691
1997 CY_{19}	1991 11 28.10623	02 25 05.22	+22 08 02.8			691
1997 CY_{19}	1991 11 28.12773	02 25 04.22	+22 07 59.3	17.8	V	691
1997 CU_{26}	1997 05 01.17986	08 24 47.97	+15 33 43.4	18.4	V	691
1997 CU_{26}	1997 05 01.19777	08 24 48.07	+15 33 42.6	18.5	V	691
1997 CU_{26}	1997 05 01.21505	08 24 48.16	+15 33 42.5	18.3	V	691
1997 CK_{29}	1992 10 25.21180	01 45 14.22	+12 58 41.4	16.9	V	691
1997 CK_{29}	1992 10 25.24321	01 45 12.23	+12 58 31.8			691
1997 CK_{29}	1992 10 25.26546	01 45 10.82	+12 58 24.9			691
1997 EY	1994 09 11.28644	23 34 08.77	−01 55 21.4			691
1997 EY	1994 09 11.31031	23 34 07.55	−01 55 27.1	16.7	V	691
1997 EY	1994 09 11.33381	23 34 06.35	−01 55 33.4			691
1997 EQ_{1}	1997 03 11.35309	10 26 12.13	+08 38 24.4	19.8	V	691
1997 EQ_{1}	1997 03 11.37435	10 26 11.00	+08 38 31.0	20.3	V	691
1997 EQ_{1}	1997 03 11.39613	10 26 09.85	+08 38 37.9	20.4	V	691
1997 EB_{15}	1997 03 03.25227	10 24 47.09	+01 59 29.4	20.7	V	691
1997 EB_{15}	1997 03 03.29984	10 24 44.75	+01 59 35.4	20.9	V	691
1997 EY_{16}	1997 03 03.17894	10 16 06.32	+01 21 19.2	19.8	V	691
1997 EY_{16}	1997 03 03.22335	10 16 03.95	+01 21 36.3	19.7	V	691
1997 ED_{23}	1993 04 17.27407	12 13 35.21	−03 08 31.3	18.0	V	691
1997 ED_{23}	1993 04 17.28709	12 13 34.65	−03 08 29.4			691
1997 ED_{23}	1993 04 17.30008	12 13 34.08	−03 08 27.1			691
1997 EJ_{25}	1997 03 05.27426	10 20 57.68	+09 00 14.5	18.1	V	691
1997 EJ_{25}	1997 03 05.29561	10 20 56.69	+09 00 18.4	18.2	V	691
1997 EJ_{25}	1997 03 05.31701	10 20 55.69	+09 00 22.2	17.9	V	691
1997 EM_{28}	1997 04 07.27304	12 03 53.55	+00 13 52.6	20.1	V	691
1997 EM_{28}	1997 04 07.29490	12 03 52.64	+00 13 57.9	20.0	V	691
1997 EM_{28}	1997 04 07.31744	12 03 51.68	+00 14 03.3	19.7	V	691
1997 EU_{41}	1997 03 03.38438	10 12 02.93	+07 39 54.4	19.1	V	691
1997 EU_{41}	1997 03 03.40588	10 12 01.58	+07 40 01.3	18.8	V	691
1997 EU_{41}	1997 03 03.42703	10 12 00.28	+07 40 07.8	18.9	V	691
1997 EL_{46}	* 1997 03 03.30929	10 13 02.93	+07 13 13.7	19.2	V	691
1997 EL_{46}	1997 03 03.33116	10 13 01.59	+07 13 14.0	19.2	V	691
1997 EL_{46}	1997 03 03.35253	10 13 00.29	+07 13 14.1	19.2	V	691
1997 EM_{46}	* 1997 03 03.38559	10 13 51.92	+07 50 28.1	20.5	V	691
1997 EM_{46}	1997 03 03.40708	10 13 50.71	+07 50 37.5	20.1	V	691
1997 EM_{46}	1997 03 03.42824	10 13 49.54	+07 50 46.8	19.8	V	691
1997 EN_{46}	* 1997 03 04.29076	10 11 23.83	+08 12 10.1	19.9	V	691
1997 EN_{46}	1997 03 04.31181	10 11 22.74	+08 12 15.5	20.0	V	691
1997 EN_{46}	1997 03 04.33345	10 11 21.65	+08 12 20.0	20.0	V	691
1997 EO_{46}	* 1997 03 04.29143	10 12 43.15	+08 27 55.8	19.4	V	691
1997 EO_{46}	1997 03 04.31244	10 12 41.92	+08 28 01.8	19.3	V	691
1997 EO_{46}	1997 03 04.33407	10 12 40.63	+08 28 06.6	19.6	V	691
1997 EP_{46}	* 1997 03 05.27030	10 15 15.01	+08 44 59.0	17.9	V	691
1997 EP_{46}	1997 03 05.29165	10 15 13.68	+08 45 06.6	18.0	V	691
1997 EP_{46}	1997 03 05.31305	10 15 12.35	+08 45 14.2	17.9	V	691
1997 FH_{1}	1997 02 04.36715	10 31 00.65	+17 05 46.3	18.1	V	691
1997 FH_{1}	1997 02 04.38924	10 30 59.45	+17 05 50.3	18.0	V	691
1997 FH_{1}	1997 02 04.41126	10 30 58.24	+17 05 53.9	18.3	V	691
1997 FD_{3}	1997 04 27.15146	12 31 53.91	−03 51 40.4			691
1997 FD_{3}	1997 04 27.17230	12 31 53.11	−03 51 36.7			691
1997 FD_{3}	1997 04 27.19340	12 31 52.30	−03 51 33.4			691
1997 FD_{3}	1997 05 05.20042	12 27 36.57	−03 32 05.4	18.5	V	691
1997 FD_{3}	1997 05 05.22356	12 27 35.81	−03 32 03.9	19.3	V	691
1997 FD_{3}	1997 05 05.24550	12 27 35.19	−03 32 01.8	19.4	V	691
1997 FD_{3}	1997 05 08.15017	12 26 22.29	−03 26 54.6	19.5	V	691
1997 FD_{3}	1997 05 08.17122	12 26 21.80	−03 26 52.7	19.4	V	691
1997 FD_{3}	1997 05 08.19207	12 26 21.28	−03 26 50.7	19.5	V	691
1997 FM_{3}	1997 05 03.15944	12 23 30.86	−02 38 53.5	19.3	V	691
1997 FM_{3}	1997 05 03.18172	12 23 30.08	−02 38 54.9	19.2	V	691
1997 FM_{3}	1997 05 03.20339	12 23 29.32	−02 38 56.4	19.2	V	691

1997 FM_3	1997 05 09.16930	12 20 37.93	−02 47 04.1	19.6 V	691
1997 FM_3	1997 05 09.19030	12 20 37.38	−02 47 06.5	19.6 V	691
1997 FM_4	1997 05 05.20664	12 36 35.14	−03 49 19.8	18.6 V	691
1997 FM_4	1997 05 05.22978	12 36 34.65	−03 49 10.3	18.9 V	691
1997 FM_4	1997 05 05.25172	12 36 34.16	−03 49 00.3	18.8 V	691
1997 FM_4	1997 05 08.15661	12 35 39.90	−03 28 43.8	18.9 V	691
1997 FM_4	1997 05 08.17766	12 35 39.50	−03 28 35.4	18.9 V	691
1997 FM_4	1997 05 08.19851	12 35 39.14	−03 28 27.2	18.9 V	691
1997 FB_5	1997 04 28.19757	12 26 57.88	−03 10 53.5	19.7 V	691
1997 FB_5	1997 04 28.21898	12 26 57.06	−03 10 49.2	20.0 V	691
1997 FB_5	1997 04 28.24384	12 26 56.11	−03 10 44.5	19.8 V	691
1997 FB_5	1997 04 30.15115	12 25 48.58	−03 04 47.2	19.5 V	691
1997 FB_5	1997 04 30.17313	12 25 47.82	−03 04 43.4	19.5 V	691
1997 FB_5	1997 04 30.19750	12 25 46.95	−03 04 39.1	19.5 V	691
1997 FB_5	1997 05 09.14898	12 21 31.63	−02 42 59.2	19.7 V	691
1997 FB_5	1997 05 09.16991	12 21 31.13	−02 42 57.2	19.9 V	691
1997 FB_5	1997 05 09.19091	12 21 30.62	−02 42 54.8	19.9 V	691
1997 GD	1997 04 15.35549	11 55 17.32	+09 50 51.5	17.3 V	691
1997 GD	1997 04 15.36377	11 55 16.85	+09 50 43.9	17.3 V	691
1997 GD	1997 04 15.37220	11 55 16.43	+09 50 36.3	17.3 V	691
1997 GM_2	1997 03 05.41718	12 26 26.34	−02 34 04.1	21.3 V	691
1997 GM_2	1997 03 05.43826	12 26 25.53	−02 33 59.2	20.9 V	691
1997 GM_2	1997 03 05.45929	12 26 24.70	−02 33 54.0	20.7 V	691
1997 GH_5	1997 04 15.19227	11 58 22.25	−00 08 10.7	19.3 V	691
1997 GH_5	1997 04 15.21417	11 58 21.55	−00 08 03.0	18.6 V	691
1997 GH_5	1997 04 15.23574	11 58 20.81	−00 07 55.0	18.7 V	691
1997 GL_5	1997 04 15.19221	11 58 17.09	−00 20 29.7	21.8 V	691
1997 GL_5	1997 04 15.21411	11 58 16.14	−00 20 26.5	21.3 V	691
1997 GL_5	1997 04 15.23568	11 58 15.28	−00 20 23.2	20.8 V	691
1997 GO_5	1997 03 15.40803	12 28 42.40	−02 04 23.1	21.1 V	691
1997 GO_5	1997 03 15.43187	12 28 40.92	−02 04 18.4	21.3 V	691
1997 GO_5	1997 03 15.45310	12 28 39.60	−02 04 14.3	20.8 V	691
1997 GF_9	1997 05 05.20277	12 31 00.31	−03 47 36.2	19.2 V	691
1997 GF_9	1997 05 05.22591	12 30 59.88	−03 47 25.5	19.0 V	691
1997 GF_9	1997 05 05.24786	12 30 59.47	−03 47 15.1	19.0 V	691
1997 GF_9	1997 05 08.15288	12 30 16.75	−03 25 49.0	19.4 V	691
1997 GF_9	1997 05 08.17393	12 30 16.44	−03 25 40.0	19.0 V	691
1997 GF_9	1997 05 08.19478	12 30 16.15	−03 25 31.2	19.2 V	691
1997 GW_9	1997 04 28.20338	12 35 21.58	−03 25 56.1	20.1 V	691
1997 GW_9	1997 04 28.22480	12 35 20.82	−03 25 51.0	21.0 V	691
1997 GW_9	1997 04 28.24966	12 35 19.99	−03 25 45.2	20.4 V	691
1997 GW_9	1997 04 30.15706	12 34 20.40	−03 18 12.7	20.0 V	691
1997 GW_9	1997 04 30.17904	12 34 19.71	−03 18 08.0	19.9 V	691
1997 GW_9	1997 04 30.20341	12 34 18.90	−03 18 02.0	20.2 V	691
1997 GW_9	1997 05 09.15532	12 30 40.84	−02 49 40.4	20.3 V	691
1997 GW_9	1997 05 09.17625	12 30 40.43	−02 49 37.6	20.4 V	691
1997 GW_9	1997 05 09.19726	12 30 40.00	−02 49 34.4	20.6 V	691
1997 GZ_9	1997 04 30.15452	12 30 39.94	−03 16 38.8	19.8 V	691
1997 GZ_9	1997 04 30.17649	12 30 39.14	−03 16 37.9	19.7 V	691
1997 GZ_9	1997 04 30.20087	12 30 38.24	−03 16 36.9	19.2 V	691
1997 GZ_9	1997 05 08.15054	12 26 54.81	−03 12 49.9	20.2 V	691
1997 GZ_9	1997 05 08.17160	12 26 54.32	−03 12 50.2	19.9 V	691
1997 GZ_9	1997 05 08.19244	12 26 53.84	−03 12 50.2	20.0 V	691
1997 GR_{10}	1997 04 28.20439	12 36 48.83	−02 59 53.7	20.3 V	691
1997 GR_{10}	1997 04 28.22580	12 36 47.98	−02 59 53.3	21.0 V	691
1997 GR_{10}	1997 04 28.25066	12 36 46.96	−02 59 51.7	20.3 V	691
1997 GR_{10}	1997 05 03.16665	12 33 54.82	−02 57 13.6	19.9 V	691
1997 GR_{10}	1997 05 03.18892	12 33 54.08	−02 57 13.4	20.0 V	691
1997 GR_{10}	1997 05 03.21059	12 33 53.36	−02 57 12.8	20.2 V	691
1997 GR_{10}	1997 05 09.15560	12 31 04.36	−02 57 35.8	20.5 V	691
1997 GR_{10}	1997 05 09.17652	12 31 03.83	−02 57 36.4	20.5 V	691
1997 GR_{10}	1997 05 09.19752	12 31 03.26	−02 57 37.0	20.9 V	691
1997 GU_{10}	1997 04 28.20388	12 36 04.62	−03 12 22.9	20.4 V	691
1997 GU_{10}	1997 04 28.22530	12 36 03.91	−03 12 17.2	21.1 V	691
1997 GU_{10}	1997 04 28.25016	12 36 03.08	−03 12 10.0	20.7 V	691
1997 GU_{10}	1997 05 03.16654	12 33 45.44	−02 51 18.4	20.4 V	691
1997 GU_{10}	1997 05 03.18881	12 33 44.89	−02 51 13.5	20.5 V	691
1997 GU_{10}	1997 05 03.21049	12 33 44.32	−02 51 08.3	20.6 V	691
1997 GU_{10}	1997 05 09.15608	12 31 45.87	−02 31 40.8	20.8 V	691
1997 GU_{10}	1997 05 09.17700	12 31 45.55	−02 31 37.7	20.8 V	691
1997 GU_{10}	1997 05 09.19801	12 31 45.16	−02 31 34.1	21.0 V	691
1997 GV_{10}	1997 04 30.15781	12 35 24.90	−03 08 50.0	19.9 V	691
1997 GV_{10}	1997 04 30.17978	12 35 24.21	−03 08 45.1	19.9 V	691
1997 GV_{10}	1997 04 30.20416	12 35 23.35	−03 08 39.3	19.5 V	691
1997 GV_{10}	1997 05 03.16673	12 34 01.86	−02 57 42.8	19.9 V	691
1997 GV_{10}	1997 05 03.18900	12 34 01.25	−02 57 38.3	20.0 V	691
1997 GV_{10}	1997 05 03.21068	12 34 00.64	−02 57 33.7	19.8 V	691
1997 GV_{10}	1997 05 09.15622	12 31 58.61	−02 40 25.0	20.2 V	691
1997 GV_{10}	1997 05 09.17715	12 31 58.25	−02 40 22.4	20.4 V	691
1997 GV_{10}	1997 05 09.19815	12 31 57.87	−02 40 19.2	20.2 V	691
1997 GU_{12}	1997 05 05.20634	12 36 09.31	−03 56 41.2	19.7 V	691
1997 GU_{12}	1997 05 05.22948	12 36 08.67	−03 56 41.8	19.7 V	691
1997 GU_{12}	1997 05 05.25142	12 36 08.08	−03 56 42.4	19.7 V	691
1997 GF_{13}	1997 05 05.20874	12 39 36.68	−04 00 18.2	20.1 V	691
1997 GF_{13}	1997 05 05.23187	12 39 36.08	−04 00 14.9	20.3 V	691
1997 GF_{13}	1997 05 05.25382	12 39 35.53	−04 00 11.4	20.3 V	691
1997 GJ_{13}	1997 05 05.20406	12 32 51.97	−03 50 25.3	19.7 V	691
1997 GJ_{13}	1997 05 05.22720	12 32 51.11	−03 50 18.7	19.9 V	691
1997 GJ_{13}	1997 05 05.24914	12 32 50.30	−03 50 12.0	19.7 V	691
1997 GO_{13}	1994 05 02.31992	14 24 39.98	−15 13 27.7	18.3 V	691
1997 GO_{13}	1994 05 02.36868	14 24 36.67	−15 13 11.7		691
1997 GN_{19}	1997 05 05.20465	12 33 43.22	−03 32 33.3	20.0 V	691
1997 GN_{19}	1997 05 05.22779	12 33 42.69	−03 32 23.8	20.0 V	691
1997 GN_{19}	1997 05 05.24974	12 33 42.17	−03 32 14.3	20.0 V	691
1997 GN_{19}	1997 05 08.15454	12 32 40.53	−03 12 58.0	20.0 V	691
1997 GN_{19}	1997 05 08.17559	12 32 40.10	−03 12 49.9	20.2 V	691
1997 GN_{19}	1997 05 08.19643	12 32 39.67	−03 12 41.8	20.3 V	691
1997 GN_{20}	1997 05 03.16696	12 34 21.70	−02 28 00.9	20.1 V	691
1997 GN_{20}	1997 05 03.18923	12 34 20.97	−02 28 00.7	20.1 V	691
1997 GN_{20}	1997 05 03.21090	12 34 20.26	−02 28 00.2	20.1 V	691
1997 GN_{20}	1997 05 06.15827	12 32 56.64	−02 27 46.5	20.2 V	691
1997 GN_{20}	1997 05 06.17987	12 32 56.04	−02 27 46.7	20.2 V	691
1997 GN_{20}	1997 05 06.20093	12 32 55.43	−02 27 46.9	20.2 V	691
1997 GN_{20}	1997 05 09.15610	12 31 47.68	−02 29 00.7	19.5 V	691

1997 GN_{20}		1997 05 09.17702	12 31 47.22	−02 29 03.0	20.4	V	691
1997 GN_{20}		1997 05 09.19803	12 31 46.72	−02 29 03.9	20.4	V	691
1997 GO_{20}		1997 05 03.16817	12 36 06.93	−02 31 04.0	19.8	V	691
1997 GO_{20}		1997 05 03.19045	12 36 06.17	−02 31 03.3	19.7	V	691
1997 GO_{20}		1997 05 03.21212	12 36 05.46	−02 31 02.5	19.9	V	691
1997 GO_{20}		1997 05 09.15720	12 33 22.93	−02 29 45.7	20.3	V	691
1997 GO_{20}		1997 05 09.17812	12 33 22.44	−02 29 46.0	20.2	V	691
1997 GO_{20}		1997 05 09.19913	12 33 21.91	−02 29 46.7	20.4	V	691
1997 GR_{20}		1997 05 03.16349	12 29 21.26	−02 53 19.9	20.1	V	691
1997 GR_{20}		1997 05 03.18576	12 29 20.48	−02 53 15.6	19.9	V	691
1997 GR_{20}		1997 05 03.20744	12 29 19.74	−02 53 11.8	20.1	V	691
1997 GR_{20}		1997 05 09.15241	12 26 28.11	−02 37 40.8	20.5	V	691
1997 GR_{20}		1997 05 09.17333	12 26 27.58	−02 37 38.2	20.4	V	691
1997 GR_{20}		1997 05 09.19433	12 26 27.01	−02 37 36.0	20.4	V	691
1997 GQ_{26}		1997 04 16.28717	12 00 20.16	+00 49 26.4	19.8	V	691
1997 GQ_{26}		1997 04 16.30881	12 00 19.37	+00 49 33.4	19.6	V	691
1997 GQ_{26}		1997 04 16.33128	12 00 18.63	+00 49 41.4	20.0	V	691
1997 GH_{28}		1997 05 02.19407	10 43 16.63	+04 24 54.3	20.5	V	691
1997 GF_{30}		1997 03 13.41984	12 16 50.50	−01 42 03.5	19.9	V	691
1997 GF_{30}		1997 03 13.44149	12 16 49.55	−01 41 58.0	19.5	V	691
1997 GF_{30}		1997 03 13.46329	12 16 48.58	−01 41 50.8	19.1	V	691
1997 GW_{30}		1997 03 05.41573	12 24 21.35	−02 54 01.2	18.4	V	691
1997 GW_{30}		1997 03 05.43681	12 24 20.56	−02 53 56.6	18.3	V	691
1997 GW_{30}		1997 03 05.45785	12 24 19.80	−02 53 51.4	18.4	V	691
1997 GW_{30}		1997 04 02.18912	12 04 56.44	−00 44 32.7	18.1	V	691
1997 GW_{30}		1997 04 02.21583	12 04 55.30	−00 44 25.4	18.1	V	691
1997 GD_{31}		1997 03 15.40983	12 31 18.56	−02 04 54.0	19.7	V	691
1997 GD_{31}		1997 03 15.43368	12 31 17.57	−02 04 47.0	19.7	V	691
1997 GD_{31}		1997 03 15.45491	12 31 16.67	−02 04 40.8	19.8	V	691
1997 GW_{31}		1997 04 09.26423	12 04 33.89	−00 57 39.6	19.6	V	691
1997 GW_{31}		1997 04 09.27395	12 04 33.55	−00 57 34.6	19.5	V	691
1997 GW_{31}		1997 04 09.28741	12 04 33.09	−00 57 27.1	19.3	V	691
1997 GD_{32}		1997 05 06.46046	22 44 47.30	+11 26 51.3	19.1	V	691
1997 GD_{32}		1997 05 06.46538	22 44 57.59	+11 26 20.3	19.1	V	691
1997 GD_{32}		1997 05 06.47134	22 45 10.04	+11 25 41.3	19.3	V	691
1997 HC	*	1997 04 27.14045	12 16 00.08	−03 34 36.2			691
1997 HC		1997 04 27.16128	12 15 59.22	−03 34 30.6			691
1997 HC		1997 04 27.18239	12 15 58.30	−03 34 25.0			691
1997 HC		1997 04 28.18948	12 15 17.67	−03 29 54.3	20.5	V	691
1997 HC		1997 04 28.21090	12 15 16.77	−03 29 48.1	20.6	V	691
1997 HC		1997 04 28.23575	12 15 15.72	−03 29 41.9	20.6	V	691
1997 HD	*	1997 04 27.14321	12 19 59.42	−03 33 03.9			691
1997 HD		1997 04 27.16405	12 19 58.72	−03 32 43.4			691
1997 HD		1997 04 27.18516	12 19 58.03	−03 32 22.0			691
1997 HD		1997 04 28.19237	12 19 28.01	−03 15 42.2	19.5	V	691
1997 HD		1997 04 28.21379	12 19 27.35	−03 15 21.1	19.3	V	691
1997 HD		1997 04 28.23865	12 19 26.58	−03 14 56.5	19.5	V	691
1997 HE	*	1997 04 27.14552	12 23 19.22	−03 35 39.2			691
1997 HE		1997 04 27.16636	12 23 18.54	−03 35 32.4			691
1997 HE		1997 04 27.18747	12 23 17.86	−03 35 25.3			691
1997 HE		1997 04 28.19467	12 22 46.90	−03 29 50.5	20.0	V	691
1997 HE		1997 04 28.21609	12 22 46.22	−03 29 43.3	20.1	V	691
1997 HE		1997 04 28.24095	12 22 45.45	−03 29 35.4	19.9	V	691
1997 HE		1997 04 30.14840	12 21 50.08	−03 19 22.3	19.6	V	691
1997 HE		1997 04 30.17038	12 21 49.45	−03 19 15.3	19.7	V	691
1997 HE		1997 04 30.19475	12 21 48.72	−03 19 08.0	19.8	V	691
1997 HE		1997 05 09.14681	12 18 23.52	−02 37 32.4	20.0	V	691
1997 HE		1997 05 09.16774	12 18 23.13	−02 37 27.4	20.1	V	691
1997 HE		1997 05 09.18874	12 18 22.73	−02 37 22.4	20.0	V	691
1997 HF	*	1997 04 28.27538	13 54 27.18	−12 07 12.2	20.9	V	691
1997 HF		1997 04 28.29727	13 54 26.11	−12 07 01.4	20.2	V	691
1997 HF		1997 04 28.32146	13 54 24.99	−12 06 50.3	21.4	V	691
1997 HF		1997 04 29.21103	13 53 45.14	−11 59 55.4	20.6	V	691
1997 HF		1997 04 29.23294	13 53 44.17	−11 59 44.5	20.3	V	691
1997 HF		1997 04 29.25453	13 53 43.12	−11 59 34.3	20.4	V	691
1997 HG	*	1997 04 28.28124	14 02 54.56	−12 03 30.8	20.4	V	691
1997 HG		1997 04 28.30312	14 02 53.24	−12 03 24.8	20.1	V	691
1997 HG		1997 04 28.32731	14 02 51.84	−12 03 17.2	21.2	V	691
1997 HG		1997 04 29.28414	14 01 57.47	−11 58 33.3	20.4	V	691
1997 HG		1997 04 29.31259	14 01 55.83	−11 58 24.6	22.1	V	691
1997 HG		1997 04 29.33411	14 01 54.57	−11 58 18.5	20.9	V	691
1997 HH	*	1997 04 28.28197	14 03 58.38	−12 18 29.9	20.5	V	691
1997 HH		1997 04 28.30386	14 03 57.32	−12 18 24.7	20.6	V	691
1997 HH		1997 04 28.32806	14 03 56.16	−12 18 19.0	20.8	V	691
1997 HH		1997 04 29.21760	14 03 14.85	−12 14 56.1	20.7	V	691
1997 HH		1997 04 29.23952	14 03 13.79	−12 14 51.7	20.5	V	691
1997 HH		1997 04 29.26110	14 03 12.78	−12 14 46.8	20.6	V	691
1997 HH		1997 05 08.20974	13 56 28.49	−11 41 33.0	20.8	V	691
1997 HH		1997 05 08.23117	13 56 27.55	−11 41 29.4	20.6	V	691
1997 HH		1997 05 08.25251	13 56 26.58	−11 41 24.0	20.8	V	691
1997 HJ	*	1997 04 28.28349	14 06 09.54	−12 16 43.4	18.3	V	691
1997 HJ		1997 04 28.30537	14 06 08.18	−12 16 41.8	18.2	V	691
1997 HJ		1997 04 28.32956	14 06 06.70	−12 16 40.1	18.3	V	691
1997 HJ		1997 04 29.21899	14 05 15.41	−12 15 39.6	18.2	V	691
1997 HJ		1997 04 29.24091	14 05 14.10	−12 15 39.2	18.2	V	691
1997 HJ		1997 04 29.26249	14 05 12.78	−12 15 37.6	18.1	V	691
1997 HK	*	1997 04 28.28385	14 06 41.30	−12 02 15.1	20.1	V	691
1997 HK		1997 04 28.30574	14 06 39.93	−12 02 04.7	19.9	V	691
1997 HK		1997 04 28.32993	14 06 38.45	−12 01 53.7	20.0	V	691
1997 HK		1997 04 29.28673	14 05 42.42	−11 54 38.7	20.2	V	691
1997 HK		1997 04 29.31518	14 05 40.69	−11 54 25.8	19.8	V	691
1997 HK		1997 04 29.33671	14 05 39.37	−11 54 16.0	20.1	V	691
1997 HL	*	1997 04 28.28397	14 06 51.79	−12 10 38.4	19.0	V	691
1997 HL		1997 04 28.30586	14 06 50.89	−12 10 19.7	18.8	V	691
1997 HL		1997 04 28.33006	14 06 49.92	−12 09 59.1	18.8	V	691
1997 HL		1997 04 29.28710	14 06 14.14	−11 56 24.9	18.8	V	691
1997 HL		1997 04 29.31555	14 06 12.99	−11 56 01.1	18.6	V	691
1997 HM	*	1997 04 28.28398	14 06 52.42	−12 26 47.2	19.0	V	691
1997 HM		1997 04 28.30587	14 06 51.24	−12 26 39.4	18.9	V	691
1997 HM		1997 04 28.33006	14 06 49.93	−12 26 31.1	18.9	V	691
1997 HM		1997 04 29.21955	14 06 03.80	−12 21 27.0	19.0	V	691
1997 HM		1997 04 29.24147	14 06 02.63	−12 21 20.6	18.9	V	691
1997 HM		1997 04 29.26305	14 06 01.47	−12 21 13.1	19.1	V	691
1997 HM		1997 05 08.21122	13 58 36.97	−11 32 02.2	19.5	V	691

1997 HM		1997 05 08.23265	13 58 35.94	−11 31 55.5	19.4	V	691
1997 HM		1997 05 08.25400	13 58 34.90	−11 31 48.8	19.5	V	691
1997 HN	*	1997 04 28.28430	14 07 20.48	−12 08 26.2	20.0	V	691
1997 HN		1997 04 28.33039	14 07 18.08	−12 08 17.1	19.8	V	691
1997 HN		1997 04 29.21989	14 06 32.87	−12 05 22.0	19.3	V	691
1997 HN		1997 04 29.24180	14 06 31.73	−12 05 18.7	19.4	V	691
1997 HN		1997 04 29.26339	14 06 30.58	−12 05 14.7	19.3	V	691
1997 HN		1997 05 08.21157	13 59 07.52	−11 37 07.1	19.7	V	691
1997 HN		1997 05 08.23300	13 59 06.49	−11 37 03.2	19.6	V	691
1997 HN		1997 05 08.25435	13 59 05.43	−11 36 59.3	19.9	V	691
1997 HO	*	1997 04 28.28438	14 07 27.05	−12 14 38.1	19.5	V	691
1997 HO		1997 04 28.30627	14 07 25.91	−12 14 33.3	19.3	V	691
1997 HO		1997 04 28.33046	14 07 24.66	−12 14 28.3	19.3	V	691
1997 HO		1997 04 29.21998	14 06 40.53	−12 11 19.5	19.3	V	691
1997 HO		1997 04 29.24189	14 06 39.42	−12 11 15.7	19.3	V	691
1997 HO		1997 04 29.26348	14 06 38.34	−12 11 11.4	19.2	V	691
1997 HP	*	1997 04 28.28460	14 07 46.20	−12 23 54.6	19.2	V	691
1997 HP		1997 04 28.30649	14 07 45.07	−12 23 50.1	19.1	V	691
1997 HP		1997 04 28.33069	14 07 43.87	−12 23 45.2	19.1	V	691
1997 HP		1997 04 29.22021	14 07 00.85	−12 20 31.8	19.2	V	691
1997 HP		1997 04 29.24213	14 06 59.74	−12 20 28.2	19.0	V	691
1997 HP		1997 04 29.26371	14 06 58.72	−12 20 23.6	19.1	V	691
1997 HP		1997 05 08.23359	13 59 57.67	−11 49 02.3	19.5	V	691
1997 HP		1997 05 08.25494	13 59 56.66	−11 48 58.0	19.7	V	691
1997 HQ	*	1997 04 28.28510	14 08 29.20	−12 09 00.1	17.8	V	691
1997 HQ		1997 04 28.30699	14 08 27.98	−12 08 51.0	17.6	V	691
1997 HQ		1997 04 28.33118	14 08 26.67	−12 08 41.1	17.6	V	691
1997 HQ		1997 04 29.22066	14 07 39.81	−12 02 30.9	17.7	V	691
1997 HQ		1997 04 29.24258	14 07 38.63	−12 02 22.7	17.8	V	691
1997 HQ		1997 04 29.26416	14 07 37.45	−12 02 13.8	17.8	V	691
1997 HQ		1997 05 08.27723	14 00 01.98	−11 01 55.4	18.2	V	691
1997 HQ		1997 05 08.29858	14 00 00.92	−11 01 47.2	18.2	V	691
1997 HQ		1997 05 08.32020	13 59 59.85	−11 01 39.0	18.0	V	691
1997 HR	*	1997 04 28.28556	14 09 09.56	−12 11 56.0	19.3	V	691
1997 HR		1997 04 28.30745	14 09 08.25	−12 11 52.3	19.3	V	691
1997 HR		1997 04 28.33164	14 09 06.82	−12 11 48.0	19.1	V	691
1997 HR		1997 04 29.22108	14 08 16.12	−12 09 12.6	19.3	V	691
1997 HR		1997 04 29.24299	14 08 14.84	−12 09 09.4	19.0	V	691
1997 HR		1997 04 29.26457	14 08 13.55	−12 09 05.8	19.2	V	691
1997 HR		1997 05 08.21217	13 59 59.00	−11 44 22.6	19.5	V	691
1997 HR		1997 05 08.23359	13 59 57.86	−11 44 19.2	19.6	V	691
1997 HR		1997 05 08.25494	13 59 56.67	−11 44 16.2	19.8	V	691
1997 HS	*	1997 04 28.28595	14 09 42.73	−12 15 21.9	19.9	V	691
1997 HS		1997 04 28.30784	14 09 41.59	−12 15 11.1	19.7	V	691
1997 HS		1997 04 28.33203	14 09 40.30	−12 14 59.1	19.7	V	691
1997 HS		1997 04 29.22156	14 08 57.43	−12 07 28.9	19.9	V	691
1997 HS		1997 04 29.24347	14 08 56.28	−12 07 18.9	20.0	V	691
1997 HS		1997 04 29.26506	14 08 55.17	−12 07 08.4	19.7	V	691
1997 HT	*	1997 04 28.28663	14 10 41.78	−12 09 42.2	18.8	V	691
1997 HT		1997 04 28.30852	14 10 40.65	−12 09 36.3	18.9	V	691
1997 HT		1997 04 28.33271	14 10 39.42	−12 09 29.4	18.9	V	691
1997 HT		1997 04 29.22223	14 09 55.78	−12 05 13.4	18.7	V	691
1997 HT		1997 04 29.24415	14 09 54.65	−12 05 07.6	18.8	V	691
1997 HT		1997 04 29.26573	14 09 53.57	−12 05 02.0	18.7	V	691
1997 HT		1997 05 08.27913	14 02 45.92	−11 23 23.5	19.3	V	691
1997 HT		1997 05 08.30047	14 02 44.92	−11 23 17.7	19.3	V	691
1997 HT		1997 05 08.32210	14 02 43.91	−11 23 12.0	19.2	V	691
1997 HU	*	1997 04 28.28667	14 10 45.21	−12 14 45.7	19.5	V	691
1997 HU		1997 04 28.30855	14 10 43.92	−12 14 35.4	19.7	V	691
1997 HU		1997 04 28.33275	14 10 42.50	−12 14 24.7	19.5	V	691
1997 HU		1997 04 29.22220	14 09 53.63	−12 07 37.9	19.8	V	691
1997 HU		1997 04 29.24412	14 09 52.35	−12 07 28.1	19.7	V	691
1997 HU		1997 04 29.26570	14 09 51.12	−12 07 18.8	19.6	V	691
1997 HU		1997 05 08.27850	14 01 51.86	−11 00 28.1	20.1	V	691
1997 HU		1997 05 08.29985	14 01 50.73	−11 00 18.9	20.1	V	691
1997 HU		1997 05 08.32147	14 01 49.58	−11 00 09.6	20.0	V	691
1997 HV	*	1997 04 28.28698	14 11 12.43	−12 22 19.5	20.3	V	691
1997 HV		1997 04 28.33306	14 11 09.70	−12 22 10.6	20.1	V	691
1997 HV		1997 04 29.22251	14 10 20.17	−12 19 17.7	20.1	V	691
1997 HV		1997 04 29.24443	14 10 18.85	−12 19 14.1	20.2	V	691
1997 HV		1997 04 29.26601	14 10 17.63	−12 19 10.2	20.7	V	691
1997 HV		1997 05 08.21380	14 02 20.56	−11 52 04.8	20.7	V	691
1997 HV		1997 05 08.23523	14 02 19.49	−11 52 01.2	20.2	V	691
1997 HV		1997 05 08.25658	14 02 18.32	−11 51 58.1	21.2	V	691
1997 HW	*	1997 04 28.28710	14 11 22.40	−12 26 54.6	19.5	V	691
1997 HW		1997 04 28.30898	14 11 20.89	−12 26 49.2	19.5	V	691
1997 HW		1997 04 28.33317	14 11 19.25	−12 26 43.3	19.6	V	691
1997 HW		1997 04 29.22252	14 10 20.60	−12 23 02.9	19.5	V	691
1997 HW		1997 04 29.24443	14 10 19.08	−12 22 58.3	19.4	V	691
1997 HW		1997 04 29.26601	14 10 17.60	−12 22 53.1	19.7	V	691
1997 HW		1997 05 08.21265	14 00 40.63	−11 46 58.4	19.7	V	691
1997 HW		1997 05 08.23407	14 00 39.28	−11 46 53.8	20.0	V	691
1997 HW		1997 05 08.25542	14 00 37.92	−11 46 48.8	20.4	V	691
1997 HX	*	1997 04 28.28782	14 12 25.36	−12 25 55.8	19.2	V	691
1997 HX		1997 04 28.30971	14 12 24.30	−12 25 50.7	19.2	V	691
1997 HX		1997 04 28.33391	14 12 23.18	−12 25 45.6	19.1	V	691
1997 HX		1997 04 29.22346	14 11 42.80	−12 22 25.9	19.2	V	691
1997 HX		1997 04 29.24538	14 11 41.75	−12 22 21.6	19.1	V	691
1997 HX		1997 04 29.26697	14 11 40.76	−12 22 16.7	19.1	V	691
1997 HX		1997 05 08.21573	14 05 07.80	−11 50 04.1	19.6	V	691
1997 HX		1997 05 08.23716	14 05 06.86	−11 49 59.6	19.8	V	691
1997 HX		1997 05 08.25851	14 05 05.95	−11 49 55.2	20.1	V	691
1997 HY	*	1997 04 28.28801	14 12 41.63	−12 02 06.9	17.5	V	691
1997 HY		1997 04 28.30990	14 12 40.47	−12 01 58.4	17.2	V	691
1997 HY		1997 04 28.33409	14 12 39.20	−12 01 49.5	17.2	V	691
1997 HY		1997 04 29.29099	14 11 51.08	−11 55 42.1	17.2	V	691
1997 HY		1997 04 29.31944	14 11 49.57	−11 55 31.1	17.2	V	691
1997 HY		1997 04 29.34097	14 11 48.46	−11 55 22.4	17.4	V	691
1997 HY		1997 05 08.28048	14 04 42.86	−11 00 50.1	17.8	V	691
1997 HY		1997 05 08.30182	14 04 41.86	−11 00 42.8	17.7	V	691
1997 HY		1997 05 08.32345	14 04 40.85	−11 00 35.1	17.5	V	691
1997 HZ	*	1997 04 28.28899	14 14 06.67	−12 11 07.3	20.0	V	691
1997 HZ		1997 04 28.31088	14 14 05.37	−12 11 01.5	19.6	V	691
1997 HZ		1997 04 28.33507	14 14 03.92	−12 10 55.2	19.5	V	691

1997 HZ		1997 04 29.22451	14 13 13.65	−12 06 54.8	20.2	V	691
1997 HZ		1997 04 29.24643	14 13 12.39	−12 06 50.3	19.6	V	691
1997 HZ		1997 04 29.26801	14 13 11.00	−12 06 42.8	19.2	V	691
1997 HB_1	*	1997 04 27.13991	12 15 13.32	−03 43 10.6	18.4	V	691
1997 HB_1		1997 04 27.16075	12 15 12.55	−03 43 03.2	18.3	V	691
1997 HB_1		1997 04 27.18185	12 15 11.79	−03 42 55.5	18.4	V	691
1997 HB_1		1997 04 30.14267	12 13 33.31	−03 25 55.4	18.7	V	691
1997 HB_1		1997 04 30.16464	12 13 32.59	−03 25 47.3	18.7	V	691
1997 HB_1		1997 04 30.18902	12 13 31.78	−03 25 39.5	18.7	V	691
1997 HC_1	*	1997 04 27.14062	12 16 14.45	−03 34 21.5	21.0	V	691
1997 HC_1		1997 04 27.16145	12 16 13.74	−03 34 15.9	20.9	V	691
1997 HC_1		1997 04 27.18256	12 16 12.95	−03 34 09.2	20.9	V	691
1997 HC_1		1997 04 30.14343	12 14 39.63	−03 20 27.6	21.3	V	691
1997 HC_1		1997 04 30.16541	12 14 38.92	−03 20 21.5	20.7	V	691
1997 HC_1		1997 04 30.18978	12 14 38.14	−03 20 14.9	21.3	V	691
1997 HD_1	*	1997 04 27.14109	12 16 55.47	−03 42 58.0	20.1	V	691
1997 HD_1		1997 04 27.16193	12 16 54.84	−03 42 51.4	20.2	V	691
1997 HD_1		1997 04 27.18304	12 16 54.23	−03 42 44.8	20.5	V	691
1997 HD_1		1997 04 30.14412	12 15 39.00	−03 27 32.6	20.3	V	691
1997 HD_1		1997 04 30.16609	12 15 38.42	−03 27 26.6	20.0	V	691
1997 HD_1		1997 04 30.19047	12 15 37.85	−03 27 18.6	20.6	V	691
1997 HE_1	*	1997 04 27.14121	12 17 05.59	−03 40 49.9	19.8	V	691
1997 HE_1		1997 04 27.16204	12 17 04.95	−03 40 44.6	19.8	V	691
1997 HE_1		1997 04 27.18315	12 17 04.34	−03 40 38.8	20.0	V	691
1997 HE_1		1997 04 30.14423	12 15 48.51	−03 28 03.7	20.1	V	691
1997 HE_1		1997 04 30.16620	12 15 47.97	−03 27 58.4	20.0	V	691
1997 HE_1		1997 04 30.19058	12 15 47.36	−03 27 52.8	20.0	V	691
1997 HF_1	*	1997 04 27.14197	12 18 11.57	−03 38 14.1	20.7	V	691
1997 HF_1		1997 04 27.16281	12 18 10.97	−03 38 07.1	20.7	V	691
1997 HF_1		1997 04 27.18392	12 18 10.42	−03 37 59.8	21.1	V	691
1997 HF_1		1997 04 30.14500	12 16 55.49	−03 22 05.6	21.3	V	691
1997 HF_1		1997 04 30.16698	12 16 54.98	−03 21 58.1	21.1	V	691
1997 HF_1		1997 04 30.19135	12 16 54.32	−03 21 50.7	21.2	V	691
1997 HG_1	*	1997 04 27.14396	12 21 04.47	−03 35 02.5	20.7	V	691
1997 HG_1		1997 04 27.16480	12 21 03.57	−03 34 59.3	20.5	V	691
1997 HG_1		1997 04 27.18590	12 21 02.68	−03 34 56.2	20.5	V	691
1997 HG_1		1997 04 30.14655	12 19 09.72	−03 27 46.0	20.6	V	691
1997 HG_1		1997 04 30.16852	12 19 08.93	−03 27 43.7	20.9	V	691
1997 HG_1		1997 04 30.19290	12 19 07.99	−03 27 40.0	21.0	V	691
1997 HH_1	*	1997 04 27.15162	12 32 07.90	−03 37 32.4	20.2	V	691
1997 HH_1		1997 04 27.17246	12 32 07.20	−03 37 27.9	20.4	V	691
1997 HH_1		1997 04 27.19357	12 32 06.49	−03 37 23.5	20.9	V	691
1997 HH_1		1997 04 30.15446	12 30 34.65	−03 27 20.1	20.3	V	691
1997 HH_1		1997 04 30.17643	12 30 33.99	−03 27 15.8	20.7	V	691
1997 HH_1		1997 04 30.20081	12 30 33.24	−03 27 10.9	20.9	V	691
1997 HJ_1	*	1997 04 27.15509	12 37 08.21	−03 41 04.4	20.0	V	691
1997 HJ_1		1997 04 27.17593	12 37 07.46	−03 40 58.8	20.4	V	691
1997 HJ_1		1997 04 27.19703	12 37 06.70	−03 40 53.2	20.6	V	691
1997 HJ_1		1997 04 30.15783	12 35 27.19	−03 28 22.2	19.6	V	691
1997 HJ_1		1997 04 30.17981	12 35 26.42	−03 28 16.5	20.0	V	691
1997 HJ_1		1997 04 30.20418	12 35 25.57	−03 28 09.9	20.8	V	691
1997 HK_1	*	1997 04 28.18809	12 13 16.88	−03 13 54.3	20.4	V	691
1997 HK_1		1997 04 28.20951	12 13 16.32	−03 13 53.1	20.1	V	691
1997 HK_1		1997 04 28.23437	12 13 15.63	−03 13 51.4	20.4	V	691
1997 HK_1		1997 04 30.14192	12 12 28.61	−03 11 59.5	20.1	V	691
1997 HK_1		1997 04 30.16390	12 12 28.03	−03 11 57.5	20.3	V	691
1997 HK_1		1997 04 30.18827	12 12 27.42	−03 11 56.3	20.2	V	691
1997 HL_1	*	1997 04 28.18889	12 14 26.46	−03 07 41.8	19.9	V	691
1997 HL_1		1997 04 28.21031	12 14 25.88	−03 07 35.5	19.4	V	691
1997 HL_1		1997 04 28.23517	12 14 25.21	−03 07 28.6	19.4	V	691
1997 HL_1		1997 04 30.14273	12 13 38.38	−02 58 52.0	18.5	V	691
1997 HL_1		1997 04 30.16470	12 13 37.84	−02 58 45.3	18.5	V	691
1997 HL_1		1997 04 30.18908	12 13 37.24	−02 58 39.1	18.5	V	691
1997 HL_1		1997 05 03.15183	12 12 31.51	−02 46 03.9	18.5	V	691
1997 HL_1		1997 05 03.17411	12 12 31.02	−02 45 58.1	18.4	V	691
1997 HL_1		1997 05 03.19578	12 12 30.56	−02 45 52.8	18.4	V	691
1997 HM_1	*	1997 04 28.19059	12 16 53.88	−03 05 32.5	21.3	V	691
1997 HM_1		1997 04 28.21201	12 16 53.30	−03 05 28.2	21.3	V	691
1997 HM_1		1997 04 28.23687	12 16 52.60	−03 05 23.4	21.1	V	691
1997 HM_1		1997 04 30.14445	12 16 07.71	−02 59 26.5	21.4	V	691
1997 HM_1		1997 04 30.16643	12 16 07.19	−02 59 22.0	20.8	V	691
1997 HM_1		1997 04 30.19080	12 16 06.67	−02 59 16.5	19.4	V	691
1997 HM_1		1997 05 03.15365	12 15 09.37	−02 51 21.7	21.4	V	691
1997 HM_1		1997 05 03.17593	12 15 08.95	−02 51 18.7	21.1	V	691
1997 HM_1		1997 05 03.19761	12 15 08.58	−02 51 15.8	21.1	V	691
1997 HN_1	*	1997 04 28.19211	12 19 05.39	−03 21 18.1	19.7	V	691
1997 HN_1		1997 04 28.21353	12 19 04.84	−03 21 12.5	19.5	V	691
1997 HN_1		1997 04 28.23839	12 19 04.17	−03 21 05.3	19.4	V	691
1997 HN_1		1997 04 30.14600	12 18 21.87	−03 12 30.3	19.3	V	691
1997 HN_1		1997 04 30.16798	12 18 21.37	−03 12 24.1	19.4	V	691
1997 HN_1		1997 04 30.19235	12 18 20.81	−03 12 18.0	19.4	V	691
1997 HO_1	*	1997 04 28.19353	12 21 07.90	−03 17 27.4	19.8	V	691
1997 HO_1		1997 04 28.21494	12 21 07.20	−03 17 22.1	20.0	V	691
1997 HO_1		1997 04 28.23980	12 21 06.39	−03 17 16.4	19.8	V	691
1997 HO_1		1997 04 30.14724	12 20 09.16	−03 10 05.9	19.4	V	691
1997 HO_1		1997 04 30.16921	12 20 08.53	−03 10 00.3	19.3	V	691
1997 HO_1		1997 04 30.19359	12 20 07.80	−03 09 55.2	19.5	V	691
1997 HP_1	*	1997 04 28.19355	12 21 10.37	−03 10 58.9	20.5	V	691
1997 HP_1		1997 04 28.21497	12 21 09.80	−03 10 50.9	20.7	V	691
1997 HP_1		1997 04 28.23984	12 21 09.16	−03 10 41.9	20.5	V	691
1997 HP_1		1997 04 30.14740	12 20 23.68	−02 59 32.6	20.4	V	691
1997 HP_1		1997 04 30.16938	12 20 23.14	−02 59 24.8	20.6	V	691
1997 HP_1		1997 04 30.19376	12 20 22.53	−02 59 17.1	20.4	V	691
1997 HP_1		1997 05 03.15654	12 19 19.32	−02 42 53.6	20.6	V	691
1997 HP_1		1997 05 03.17882	12 19 18.83	−02 42 46.3	20.5	V	691
1997 HP_1		1997 05 03.20049	12 19 18.40	−02 42 39.5	20.8	V	691
1997 HP_1		1997 05 06.14821	12 18 24.98	−02 27 33.1	21.1	V	691
1997 HP_1		1997 05 06.16981	12 18 24.60	−02 27 26.8	21.0	V	691
1997 HP_1		1997 05 06.19087	12 18 24.21	−02 27 21.0	20.4	V	691
1997 HQ_1	*	1997 04 28.19581	12 24 26.13	−03 26 24.3	17.9	V	691
1997 HQ_1		1997 04 28.21723	12 24 25.27	−03 26 22.2	18.2	V	691
1997 HQ_1		1997 04 28.24209	12 24 24.25	−03 26 19.8	17.9	V	691
1997 HQ_1		1997 04 30.14938	12 23 14.75	−03 23 29.3	17.9	V	691
1997 HQ_1		1997 04 30.17135	12 23 13.93	−03 23 27.2	17.8	V	691

1997 HQ_1		1997 04 30.19573	12 23 13.01	−03 23 25.6	17.8	V	691
1997 HR_1	*	1997 04 28.19656	12 25 30.74	−03 24 17.5	20.0	V	691
1997 HR_1		1997 04 28.21798	12 25 30.09	−03 24 11.7	19.9	V	691
1997 HR_1		1997 04 28.24284	12 25 29.38	−03 24 04.8	19.8	V	691
1997 HR_1		1997 04 30.15036	12 24 39.45	−03 15 40.9	19.7	V	691
1997 HR_1		1997 04 30.17233	12 24 38.87	−03 15 35.4	19.7	V	691
1997 HR_1		1997 04 30.19671	12 24 38.21	−03 15 29.7	19.7	V	691
1997 HS_1	*	1997 04 28.19795	12 27 31.28	−03 08 45.0	20.0	V	691
1997 HS_1		1997 04 28.21937	12 27 30.46	−03 08 39.8	20.6	V	691
1997 HS_1		1997 04 28.24423	12 27 29.55	−03 08 33.1	20.0	V	691
1997 HS_1		1997 04 30.15156	12 26 23.83	−03 00 56.5	19.7	V	691
1997 HS_1		1997 04 30.17354	12 26 23.09	−03 00 51.8	19.9	V	691
1997 HS_1		1997 04 30.19791	12 26 22.22	−03 00 45.9	19.9	V	691
1997 HS_1		1997 05 03.16034	12 24 48.37	−02 49 50.3	20.0	V	691
1997 HS_1		1997 05 03.18261	12 24 47.68	−02 49 46.1	19.8	V	691
1997 HS_1		1997 05 03.20429	12 24 47.00	−02 49 41.4	20.1	V	691
1997 HT_1	*	1997 04 28.19868	12 28 34.57	−03 07 37.0	20.1	V	691
1997 HT_1		1997 04 28.22010	12 28 33.58	−03 07 40.2	21.1	V	691
1997 HT_1		1997 04 28.24495	12 28 32.49	−03 07 43.7	20.7	V	691
1997 HT_1		1997 04 30.15215	12 27 14.90	−03 12 26.2	20.3	V	691
1997 HT_1		1997 04 30.17412	12 27 14.01	−03 12 29.7	20.2	V	691
1997 HT_1		1997 04 30.19850	12 27 12.98	−03 12 33.4	20.1	V	691
1997 HU_1	*	1997 04 28.19980	12 30 11.10	−03 30 39.5	20.6	V	691
1997 HU_1		1997 04 28.22121	12 30 10.27	−03 30 34.1	21.6	V	691
1997 HU_1		1997 04 28.24607	12 30 09.31	−03 30 28.2	21.0	V	691
1997 HU_1		1997 04 30.15337	12 29 00.88	−03 22 48.7	20.5	V	691
1997 HU_1		1997 04 30.17535	12 29 00.09	−03 22 43.2	20.5	V	691
1997 HU_1		1997 04 30.19972	12 28 59.23	−03 22 38.2	20.3	V	691
1997 HU_1		1997 05 09.15115	12 24 39.58	−02 53 13.7	21.1	V	691
1997 HU_1		1997 05 09.17208	12 24 39.06	−02 53 10.7	20.8	V	691
1997 HU_1		1997 05 09.19308	12 24 38.54	−02 53 07.4	20.9	V	691
1997 HV_1	*	1997 04 28.20197	12 33 19.38	−03 20 32.7	20.3	V	691
1997 HV_1		1997 04 28.22338	12 33 18.33	−03 20 34.2	21.4	V	691
1997 HV_1		1997 04 28.24824	12 33 17.09	−03 20 36.0	20.9	V	691
1997 HV_1		1997 04 30.15532	12 31 49.38	−03 23 05.1	20.4	V	691
1997 HV_1		1997 04 30.17729	12 31 48.33	−03 23 07.8	20.3	V	691
1997 HV_1		1997 04 30.20166	12 31 47.20	−03 23 09.8	20.6	V	691
1997 HV_1		1997 05 05.20094	12 28 21.45	−03 31 31.5	20.3	V	691
1997 HV_1		1997 05 05.22407	12 28 20.53	−03 31 33.7	20.5	V	691
1997 HV_1		1997 05 05.24601	12 28 19.66	−03 31 36.9	20.7	V	691
1997 HW_1	*	1997 04 28.20348	12 35 29.75	−03 12 37.3	20.3	V	691
1997 HW_1		1997 04 28.22489	12 35 28.94	−03 12 36.4	21.6	V	691
1997 HW_1		1997 04 28.24975	12 35 28.05	−03 12 34.3	20.9	V	691
1997 HW_1		1997 04 30.15707	12 34 20.92	−03 10 14.9	20.7	V	691
1997 HW_1		1997 04 30.17904	12 34 20.15	−03 10 13.8	20.7	V	691
1997 HW_1		1997 04 30.20342	12 34 19.31	−03 10 12.2	20.5	V	691
1997 HX_1	*	1997 04 28.28417	14 07 09.02	−12 05 19.1	20.0	V	691
1997 HX_1		1997 04 28.30606	14 07 07.79	−12 04 48.4	19.9	V	691
1997 HX_1		1997 04 28.33025	14 07 06.48	−12 04 16.1	19.9	V	691
1997 HX_1		1997 04 30.23349	14 05 29.09	−11 21 04.1	19.6	V	691
1997 HX_1		1997 04 30.25487	14 05 27.93	−11 20 35.6	19.5	V	691
1997 HX_1		1997 04 30.27610	14 05 26.78	−11 20 06.4	19.7	V	691
1997 HY_1	*	1997 04 29.27597	13 50 10.18	−11 30 05.6	18.3	V	691
1997 HY_1		1997 04 29.30442	13 50 08.81	−11 29 58.4	18.2	V	691
1997 HY_1		1997 04 29.32595	13 50 07.80	−11 29 53.3	18.3	V	691
1997 HY_1		1997 04 30.22239	13 49 27.96	−11 26 18.7	18.3	V	691
1997 HY_1		1997 04 30.24378	13 49 26.94	−11 26 13.0	18.3	V	691
1997 HY_1		1997 04 30.26500	13 49 25.94	−11 26 08.4	18.2	V	691
1997 HZ_1	*	1997 04 29.28084	13 57 12.03	−11 28 58.4	21.1	V	691
1997 HZ_1		1997 04 29.30929	13 57 10.57	−11 28 44.3	20.5	V	691
1997 HZ_1		1997 04 30.22722	13 56 26.33	−11 21 12.9	20.4	V	691
1997 HZ_1		1997 04 30.24861	13 56 25.28	−11 21 03.1	20.2	V	691
1997 HZ_1		1997 04 30.26983	13 56 24.26	−11 20 52.2	20.5	V	691
1997 HA_2	*	1997 04 29.28104	13 57 29.56	−11 31 49.4	18.9	V	691
1997 HA_2		1997 04 29.30949	13 57 27.76	−11 31 41.2	18.9	V	691
1997 HA_2		1997 04 29.33102	13 57 26.38	−11 31 35.6	18.8	V	691
1997 HA_2		1997 04 30.22728	13 56 31.60	−11 27 20.8	18.8	V	691
1997 HA_2		1997 04 30.24867	13 56 30.25	−11 27 14.9	18.8	V	691
1997 HA_2		1997 04 30.26989	13 56 28.92	−11 27 08.9	19.1	V	691
1997 HB_2	*	1997 04 29.28468	14 02 44.26	−11 32 18.9	20.4	V	691
1997 HB_2		1997 04 29.31313	14 02 43.00	−11 32 05.0	20.6	V	691
1997 HB_2		1997 04 29.33466	14 02 42.08	−11 31 54.8	20.1	V	691
1997 HB_2		1997 04 30.23113	14 02 04.85	−11 24 46.1	20.4	V	691
1997 HB_2		1997 04 30.25252	14 02 03.91	−11 24 36.3	20.1	V	691
1997 HB_2		1997 04 30.27374	14 02 03.12	−11 24 24.5	21.4	V	691
1997 HC_2	*	1997 04 29.28498	14 03 10.65	−11 29 21.8	19.3	V	691
1997 HC_2		1997 04 29.31343	14 03 09.10	−11 29 15.8	19.3	V	691
1997 HC_2		1997 04 29.33496	14 03 07.93	−11 29 11.3	19.4	V	691
1997 HC_2		1997 04 30.23132	14 02 21.18	−11 26 00.6	19.5	V	691
1997 HC_2		1997 04 30.25270	14 02 20.02	−11 25 56.4	19.6	V	691
1997 HC_2		1997 04 30.27393	14 02 18.89	−11 25 52.3	19.3	V	691
1997 HD_2	*	1997 04 29.28774	14 07 09.27	−11 33 11.1	18.7	V	691
1997 HD_2		1997 04 29.31619	14 07 07.68	−11 32 56.4	18.9	V	691
1997 HD_2		1997 04 29.33771	14 07 06.48	−11 32 45.6	19.0	V	691
1997 HD_2		1997 04 30.23406	14 06 18.49	−11 25 16.5	19.0	V	691
1997 HD_2		1997 04 30.25544	14 06 17.29	−11 25 06.1	18.9	V	691
1997 HD_2		1997 04 30.27666	14 06 16.09	−11 24 55.4	19.0	V	691
1997 HE_2	*	1997 04 29.28790	14 07 23.16	−11 28 25.2	17.8	V	691
1997 HE_2		1997 04 29.31635	14 07 21.64	−11 28 20.1	18.1	V	691
1997 HE_2		1997 04 29.33788	14 07 20.56	−11 28 16.4	18.0	V	691
1997 HE_2		1997 04 30.23428	14 06 37.87	−11 25 46.2	18.2	V	691
1997 HE_2		1997 04 30.25567	14 06 36.81	−11 25 42.9	18.2	V	691
1997 HE_2		1997 04 30.27689	14 06 35.75	−11 25 39.2	18.1	V	691
1997 HE_2		1997 05 08.27754	14 00 28.51	−11 04 43.7	18.6	V	691
1997 HE_2		1997 05 08.29889	14 00 27.55	−11 04 40.3	18.5	V	691
1997 HE_2		1997 05 08.32051	14 00 26.56	−11 04 37.2	18.3	V	691
1997 HF_2	*	1997 04 29.29142	14 12 28.38	−11 31 47.4	20.2	V	691
1997 HF_2		1997 04 29.31987	14 12 26.78	−11 31 39.5	20.5	V	691
1997 HF_2		1997 04 29.34140	14 12 25.57	−11 31 33.1	20.1	V	691
1997 HF_2		1997 04 30.25911	14 11 35.46	−11 27 15.1	20.4	V	691
1997 HF_2		1997 04 30.28034	14 11 34.27	−11 27 08.9	20.0	V	691
1997 HG_2	*	1997 04 29.35651	15 34 48.69	−13 36 55.3	20.8	V	691
1997 HG_2		1997 04 29.37871	15 34 47.80	−13 36 48.5	20.3	V	691
1997 HG_2		1997 04 29.44268	15 34 45.05	−13 36 28.8	20.5	V	691

1997 HG_2		1997 04 30.29496	15 34 09.32	−13 32 05.5	20.4	V	691
1997 HG_2		1997 04 30.33015	15 34 07.79	−13 31 55.1	20.5	V	691
1997 HG_2		1997 04 30.37183	15 34 06.03	−13 31 42.1	21.3	V	691
1997 HG_2		1997 05 02.35365	15 32 41.04	−13 21 30.2	20.3	V	691
1997 HG_2		1997 05 02.38023	15 32 39.84	−13 21 21.9	20.3	V	691
1997 HG_2		1997 05 02.40534	15 32 38.73	−13 21 14.0	20.5	V	691
1997 HH_2	*	1997 04 29.35967	15 39 22.31	−13 55 32.2	19.9	V	691
1997 HH_2		1997 04 29.38187	15 39 21.22	−13 55 26.5	19.8	V	691
1997 HH_2		1997 04 29.44583	15 39 18.05	−13 55 12.3	20.0	V	691
1997 HH_2		1997 04 30.29806	15 38 37.91	−13 51 57.9	19.6	V	691
1997 HH_2		1997 04 30.33325	15 38 36.14	−13 51 49.9	19.6	V	691
1997 HH_2		1997 04 30.37492	15 38 34.01	−13 51 40.8	20.3	V	691
1997 HH_2		1997 05 05.33827	15 34 19.67	−13 32 30.2	19.6	V	691
1997 HH_2		1997 05 05.36049	15 34 18.38	−13 32 25.3	19.8	V	691
1997 HH_2		1997 05 05.38289	15 34 17.11	−13 32 20.2	19.7	V	691
1997 HJ_2	*	1997 04 29.35987	15 39 39.95	−13 48 06.1	19.5	V	691
1997 HJ_2		1997 04 29.38207	15 39 38.88	−13 48 03.2	19.4	V	691
1997 HJ_2		1997 04 29.44604	15 39 35.81	−13 47 55.6	19.3	V	691
1997 HJ_2		1997 04 30.29828	15 38 56.57	−13 46 12.7	19.8	V	691
1997 HJ_2		1997 04 30.33346	15 38 54.84	−13 46 08.4	19.5	V	691
1997 HJ_2		1997 04 30.37514	15 38 52.79	−13 46 03.4	20.1	V	691
1997 HJ_2		1997 05 05.33861	15 34 48.96	−13 36 04.9	19.0	V	691
1997 HJ_2		1997 05 05.36083	15 34 47.76	−13 36 02.3	19.1	V	691
1997 HJ_2		1997 05 05.38323	15 34 46.57	−13 35 59.7	19.0	V	691
1997 HJ_2		1997 05 09.34162	15 31 19.63	−13 28 16.9	18.8	V	691
1997 HJ_2		1997 05 09.36347	15 31 18.43	−13 28 14.1	18.8	V	691
1997 HJ_2		1997 05 09.38527	15 31 17.23	−13 28 11.7	18.9	V	691
1997 HK_2	*	1997 04 29.36246	15 43 23.96	−13 44 05.1	20.8	V	691
1997 HK_2		1997 04 29.38466	15 43 22.77	−13 44 07.1	20.7	V	691
1997 HK_2		1997 04 29.44862	15 43 19.57	−13 44 13.9	20.5	V	691
1997 HK_2		1997 04 30.30084	15 42 38.48	−13 45 39.7	20.4	V	691
1997 HK_2		1997 04 30.33602	15 42 36.70	−13 45 42.9	20.2	V	691
1997 HK_2		1997 04 30.37770	15 42 34.51	−13 45 47.3	21.0	V	691
1997 HK_2		1997 05 05.34097	15 38 13.80	−13 54 33.9	20.3	V	691
1997 HK_2		1997 05 05.36319	15 38 12.53	−13 54 36.4	20.5	V	691
1997 HK_2		1997 05 05.38559	15 38 11.20	−13 54 38.9	20.5	V	691
1997 HL_2	*	1997 04 29.36430	15 46 03.67	−13 45 41.8	19.8	V	691
1997 HL_2		1997 04 29.38650	15 46 02.56	−13 45 37.5	19.5	V	691
1997 HL_2		1997 04 29.45047	15 45 59.61	−13 45 24.0	19.7	V	691
1997 HL_2		1997 04 30.30272	15 45 21.84	−13 42 24.7	19.7	V	691
1997 HL_2		1997 04 30.33791	15 45 20.13	−13 42 17.5	19.3	V	691
1997 HL_2		1997 04 30.37959	15 45 18.14	−13 42 08.9	20.0	V	691
1997 HL_2		1997 05 09.34612	15 37 49.71	−13 11 09.7	19.2	V	691
1997 HL_2		1997 05 09.36797	15 37 48.52	−13 11 05.0	19.3	V	691
1997 HL_2		1997 05 09.38977	15 37 47.29	−13 11 00.7	19.4	V	691
1997 HM_2	*	1997 04 29.36541	15 47 39.55	−13 48 44.9	20.4	V	691
1997 HM_2		1997 04 29.38761	15 47 38.38	−13 48 40.8	19.7	V	691
1997 HM_2		1997 04 29.45157	15 47 35.24	−13 48 27.3	19.6	V	691
1997 HM_2		1997 04 30.30379	15 46 54.32	−13 45 22.6	19.7	V	691
1997 HM_2		1997 04 30.33898	15 46 52.54	−13 45 14.4	19.7	V	691
1997 HM_2		1997 04 30.38065	15 46 50.43	−13 45 06.0	19.6	V	691
1997 HQ_2	*	1997 04 30.41053	16 14 45.89	−01 31 40.0	18.3	V	691
1997 HQ_2		1997 04 30.43577	16 14 44.90	−01 31 29.4	18.2	V	691
1997 HQ_2		1997 04 30.45677	16 14 44.10	−01 31 20.2	18.3	V	691
1997 HQ_2		1997 05 01.40303	16 14 09.00	−01 24 37.5	18.5	V	691
1997 HQ_2		1997 05 01.42437	16 14 08.14	−01 24 28.0	18.3	V	691
1997 HQ_2		1997 05 01.45515	16 14 06.88	−01 24 15.2	18.2	V	691
1997 HQ_2		1997 05 10.39957	16 07 24.39	−00 26 05.4	18.0	V	691
1997 HQ_2		1997 05 10.42296	16 07 23.14	−00 25 57.9	18.2	V	691
1997 HQ_2		1997 05 10.44576	16 07 21.83	−00 25 49.4	17.7	V	691
1997 HR_2	*	1997 04 29.35781	15 36 41.10	−13 33 08.2	19.7	V	691
1997 HR_2		1997 04 29.38001	15 36 40.10	−13 33 03.2	19.5	V	691
1997 HR_2		1997 04 29.44397	15 36 36.93	−13 32 48.1	19.7	V	691
1997 HR_2		1997 05 02.35475	15 34 16.08	−13 21 29.5	19.3	V	691
1997 HR_2		1997 05 02.38133	15 34 14.67	−13 21 22.9	19.3	V	691
1997 HR_2		1997 05 02.40643	15 34 13.34	−13 21 16.8	19.4	V	691
1997 HS_2	*	1997 04 30.32927	15 32 51.66	−13 37 38.0	19.8	V	691
1997 HS_2		1997 04 30.37094	15 32 49.35	−13 37 28.9	20.0	V	691
1997 HS_2		1997 05 02.35249	15 31 00.29	−13 29 51.0	19.6	V	691
1997 HS_2		1997 05 02.37907	15 30 58.85	−13 29 44.4	19.6	V	691
1997 HS_2		1997 05 02.40417	15 30 57.31	−13 29 38.9	19.8	V	691
1997 HU_2	*	1997 04 27.15642	12 39 03.57	−03 33 56.6	20.4	V	691
1997 HU_2		1997 04 27.17726	12 39 02.81	−03 33 46.0	21.0	V	691
1997 HU_2		1997 04 27.19837	12 39 01.99	−03 33 37.3	21.6	V	691
1997 HU_2		1997 05 03.16784	12 35 38.52	−02 53 28.9	21.5	V	691
1997 HU_2		1997 05 03.19012	12 35 37.82	−02 53 21.1	21.2	V	691
1997 HV_2	*	1997 04 28.19026	12 16 24.93	−03 00 57.3	19.8	V	691
1997 HV_2		1997 04 28.21167	12 16 24.09	−03 00 54.7	19.4	V	691
1997 HV_2		1997 04 28.23653	12 16 23.15	−03 00 51.6	19.5	V	691
1997 HV_2		1997 05 03.15271	12 13 47.87	−02 52 44.2	19.5	V	691
1997 HV_2		1997 05 03.17499	12 13 47.22	−02 52 42.3	19.4	V	691
1997 HV_2		1997 05 03.19666	12 13 46.58	−02 52 40.8	19.4	V	691
1997 HW_2	*	1997 04 28.19201	12 18 56.52	−02 59 45.7	20.2	V	691
1997 HW_2		1997 04 28.21343	12 18 55.84	−02 59 42.4	19.9	V	691
1997 HW_2		1997 04 28.23829	12 18 55.06	−02 59 37.7	20.1	V	691
1997 HW_2		1997 05 03.15479	12 16 48.32	−02 46 56.7	20.3	V	691
1997 HW_2		1997 05 03.17707	12 16 47.78	−02 46 53.7	20.5	V	691
1997 HW_2		1997 05 03.19875	12 16 47.28	−02 46 50.9	20.4	V	691
1997 HX_2	*	1997 04 28.19588	12 24 31.61	−03 04 01.9	21.2	V	691
1997 HX_2		1997 04 28.21730	12 24 30.91	−03 03 56.3	21.9	V	691
1997 HX_2		1997 04 28.24215	12 24 30.03	−03 03 49.5	21.3	V	691
1997 HX_2		1997 05 03.15847	12 22 06.54	−02 44 15.7	20.9	V	691
1997 HX_2		1997 05 03.18075	12 22 05.96	−02 44 11.2	21.3	V	691
1997 HX_2		1997 05 03.20242	12 22 05.39	−02 44 06.7	21.1	V	691
1997 HY_2	*	1997 04 28.19640	12 25 17.28	−03 01 06.6	20.7	V	691
1997 HY_2		1997 04 28.21782	12 25 16.66	−03 00 57.7	21.2	V	691
1997 HY_2		1997 04 28.24268	12 25 15.93	−03 00 47.7	20.9	V	691
1997 HY_2		1997 05 03.15935	12 23 23.24	−02 30 05.6	20.9	V	691
1997 HY_2		1997 05 03.18163	12 23 22.78	−02 29 57.7	20.6	V	691
1997 HY_2		1997 05 03.20331	12 23 22.33	−02 29 50.7	21.0	V	691
1997 HY_2		1997 05 06.15110	12 22 35.31	−02 14 03.4	21.2	V	691
1997 HY_2		1997 05 06.17270	12 22 34.94	−02 13 56.8	20.9	V	691
1997 HY_2		1997 05 06.19376	12 22 34.62	−02 13 50.2	21.1	V	691
1997 HZ_2	*	1997 04 28.20202	12 33 24.00	−02 59 53.9	20.9	V	691

1997 HZ_2		1997 04 28.22344	12 33 23.22	−02 59 47.6	21.0	V	691
1997 HZ_2		1997 04 28.24830	12 33 22.28	−02 59 41.1	20.7	V	691
1997 HZ_2		1997 05 03.16448	12 30 46.87	−02 38 22.1	20.7	V	691
1997 HZ_2		1997 05 03.18675	12 30 46.18	−02 38 16.6	20.7	V	691
1997 HZ_2		1997 05 03.20843	12 30 45.55	−02 38 11.7	21.0	V	691
1997 HA_3	*	1997 04 30.15036	12 24 39.55	−03 05 16.1	19.7	V	691
1997 HA_3		1997 04 30.17234	12 24 39.00	−03 05 08.6	19.8	V	691
1997 HA_3		1997 04 30.19671	12 24 38.40	−03 05 00.6	19.7	V	691
1997 HA_3		1997 05 03.15951	12 23 37.00	−02 49 03.9	19.9	V	691
1997 HA_3		1997 05 03.18179	12 23 36.55	−02 48 57.3	19.8	V	691
1997 HA_3		1997 05 03.20347	12 23 36.10	−02 48 50.8	19.9	V	691
1997 HB_3	*	1997 04 30.15074	12 25 12.65	−03 00 36.4	20.2	V	691
1997 HB_3		1997 04 30.17272	12 25 11.96	−03 00 31.8	20.5	V	691
1997 HB_3		1997 04 30.19709	12 25 11.23	−03 00 26.6	20.7	V	691
1997 HB_3		1997 05 03.15969	12 23 52.50	−02 50 25.1	20.5	V	691
1997 HB_3		1997 05 03.18197	12 23 51.91	−02 50 21.1	20.4	V	691
1997 HB_3		1997 05 03.20364	12 23 51.34	−02 50 16.9	20.3	V	691
1997 HB_3		1997 05 09.14931	12 21 59.97	−02 35 12.6	20.7	V	691
1997 HB_3		1997 05 09.17024	12 21 59.65	−02 35 10.9	21.0	V	691
1997 HB_3		1997 05 09.19124	12 21 59.31	−02 35 08.3	20.7	V	691
1997 HC_3	*	1997 04 30.15190	12 26 52.79	−03 07 23.5	18.7	V	691
1997 HC_3		1997 04 30.17387	12 26 52.26	−03 07 19.1	18.9	V	691
1997 HC_3		1997 04 30.19825	12 26 51.67	−03 07 13.9	18.7	V	691
1997 HC_3		1997 05 03.16102	12 25 47.24	−02 57 15.6	18.7	V	691
1997 HC_3		1997 05 03.18329	12 25 46.77	−02 57 11.4	18.7	V	691
1997 HC_3		1997 05 03.20497	12 25 46.29	−02 57 07.2	18.9	V	691
1997 HD_3	*	1997 04 30.15548	12 32 03.39	−03 04 47.4	20.8	V	691
1997 HD_3		1997 04 30.17746	12 32 02.59	−03 04 43.9	20.7	V	691
1997 HD_3		1997 04 30.20183	12 32 01.70	−03 04 40.0	21.1	V	691
1997 HD_3		1997 05 03.16427	12 30 28.99	−02 58 11.8	21.0	V	691
1997 HD_3		1997 05 03.18654	12 30 28.23	−02 58 08.9	20.6	V	691
1997 HD_3		1997 05 03.20822	12 30 27.62	−02 58 06.7	21.3	V	691
1997 HE_3	*	1997 04 30.15834	12 36 10.67	−03 03 01.9	20.7	V	691
1997 HE_3		1997 04 30.18031	12 36 09.98	−03 02 55.2	21.5	V	691
1997 HE_3		1997 04 30.20469	12 36 09.26	−03 02 47.9	21.5	V	691
1997 HE_3		1997 05 03.16727	12 34 49.11	−02 48 08.9	20.9	V	691
1997 HE_3		1997 05 03.18955	12 34 48.53	−02 48 03.0	21.1	V	691
1997 HE_3		1997 05 03.21122	12 34 47.95	−02 47 56.9	21.5	V	691
1997 HJ_3	*	1997 04 27.14191	12 18 06.35	−04 00 48.7	20.4	V	691
1997 HJ_3		1997 04 27.16274	12 18 05.64	−04 00 44.9	20.5	V	691
1997 HJ_3		1997 04 27.18385	12 18 04.89	−04 00 40.7	20.6	V	691
1997 HJ_3		1997 05 05.19140	12 14 35.25	−03 40 15.8	20.6	V	691
1997 HJ_3		1997 05 05.21454	12 14 34.74	−03 40 14.0	20.9	V	691
1997 HJ_3		1997 05 05.23648	12 14 34.26	−03 40 11.7	20.9	V	691
1997 HK_3	*	1997 04 27.14321	12 19 58.97	−03 59 12.6	19.4	V	691
1997 HK_3		1997 04 27.16404	12 19 58.28	−03 59 09.4	19.6	V	691
1997 HK_3		1997 04 27.18515	12 19 57.59	−03 59 05.9	19.9	V	691
1997 HK_3		1997 05 05.19292	12 16 46.43	−03 41 17.8	18.5	V	691
1997 HK_3		1997 05 05.21605	12 16 45.90	−03 41 15.3	18.5	V	691
1997 HK_3		1997 05 05.23800	12 16 45.41	−03 41 12.7	18.6	V	691
1997 HL_3	*	1997 04 27.14366	12 20 38.16	−04 02 11.6	18.8	V	691
1997 HL_3		1997 04 27.16450	12 20 37.52	−04 02 10.8	18.8	V	691
1997 HL_3		1997 04 27.18561	12 20 36.88	−04 02 09.8	19.2	V	691
1997 HL_3		1997 05 05.19371	12 17 55.01	−04 01 55.3	19.2	V	691
1997 HL_3		1997 05 05.21685	12 17 54.65	−04 01 56.6	19.3	V	691
1997 HL_3		1997 05 05.23879	12 17 54.31	−04 01 57.3	19.2	V	691
1997 HM_3	*	1997 04 27.14515	12 22 47.33	−04 02 12.8	18.8	V	691
1997 HM_3		1997 04 27.16598	12 22 46.30	−04 02 10.8	18.7	V	691
1997 HM_3		1997 04 27.18709	12 22 45.25	−04 02 08.6	19.2	V	691
1997 HM_3		1997 05 05.19319	12 17 10.50	−03 52 21.3	19.0	V	691
1997 HM_3		1997 05 05.21633	12 17 09.63	−03 52 20.7	19.1	V	691
1997 HM_3		1997 05 05.23827	12 17 08.82	−03 52 19.9	19.2	V	691
1997 HN_3	*	1997 04 27.14596	12 23 57.69	−03 56 20.7	20.7	V	691
1997 HN_3		1997 04 27.16680	12 23 56.94	−03 56 18.5	20.8	V	691
1997 HN_3		1997 04 27.18791	12 23 56.13	−03 56 15.8	21.2	V	691
1997 HN_3		1997 05 05.19498	12 19 45.22	−03 39 16.2	20.5	V	691
1997 HN_3		1997 05 05.21812	12 19 44.64	−03 39 13.9	20.7	V	691
1997 HN_3		1997 05 05.24006	12 19 44.05	−03 39 11.7	21.1	V	691
1997 HO_3	*	1997 04 27.14924	12 28 41.75	−03 54 48.0	20.6	V	691
1997 HO_3		1997 04 27.17008	12 28 40.98	−03 54 44.2	20.5	V	691
1997 HO_3		1997 04 27.19119	12 28 40.20	−03 54 40.6	21.3	V	691
1997 HO_3		1997 05 05.19818	12 24 22.27	−03 33 47.9	20.8	V	691
1997 HO_3		1997 05 05.22132	12 24 21.63	−03 33 44.5	20.8	V	691
1997 HO_3		1997 05 05.24326	12 24 20.99	−03 33 41.9	21.0	V	691
1997 HP_3	*	1997 04 29.21184	13 54 55.51	−12 23 34.1	19.4	V	691
1997 HP_3		1997 04 29.23375	13 54 54.13	−12 23 38.2	20.8	V	691
1997 HP_3		1997 04 29.25533	13 54 52.81	−12 23 41.0	21.0	V	691
1997 HP_3		1997 05 05.26065	13 49 12.14	−12 35 02.3	21.2	V	691
1997 HP_3		1997 05 05.28291	13 49 10.92	−12 35 04.9	21.0	V	691
1997 HP_3		1997 05 05.30502	13 49 09.67	−12 35 07.2	21.0	V	691
1997 HQ_3	*	1997 04 29.35816	15 37 11.10	−13 46 24.4	19.5	V	691
1997 HQ_3		1997 04 29.38035	15 37 09.84	−13 46 24.5	19.3	V	691
1997 HQ_3		1997 04 29.44431	15 37 06.16	−13 46 24.2	19.1	V	691
1997 HQ_3		1997 05 05.33624	15 31 23.72	−13 46 45.0	19.0	V	691
1997 HQ_3		1997 05 05.35846	15 31 22.30	−13 46 45.2	19.2	V	691
1997 HQ_3		1997 05 05.38086	15 31 20.86	−13 46 45.4	19.1	V	691
1997 HR_3	*	1997 04 29.36138	15 41 50.03	−13 53 04.9	21.1	V	691
1997 HR_3		1997 04 29.38357	15 41 48.69	−13 53 00.6	20.4	V	691
1997 HR_3		1997 04 29.44753	15 41 45.09	−13 52 47.6	21.4	V	691
1997 HR_3		1997 04 30.29967	15 40 57.42	−13 49 58.0	20.7	V	691
1997 HR_3		1997 04 30.37653	15 40 52.97	−13 49 42.8	20.5	V	691
1997 HR_3		1997 05 05.33945	15 36 02.33	−13 33 12.8	20.4	V	691
1997 HR_3		1997 05 05.36167	15 36 00.93	−13 33 08.4	20.6	V	691
1997 HR_3		1997 05 05.38407	15 35 59.55	−13 33 03.9	20.5	V	691
1997 HS_3	*	1997 04 30.29323	15 31 39.20	−13 51 58.0	19.6	V	691
1997 HS_3		1997 04 30.32842	15 31 37.53	−13 51 50.8	19.7	V	691
1997 HS_3		1997 04 30.37009	15 31 35.51	−13 51 42.3	20.3	V	691
1997 HS_3		1997 05 05.33363	15 27 37.71	−13 34 19.4	19.8	V	691
1997 HS_3		1997 05 05.35585	15 27 36.56	−13 34 14.7	19.8	V	691
1997 HS_3		1997 05 05.37826	15 27 35.42	−13 34 10.2	19.8	V	691
1997 HT_3	*	1997 04 30.29379	15 32 28.25	−13 56 08.9	20.8	V	691
1997 HT_3		1997 04 30.32898	15 32 26.57	−13 56 01.2	20.5	V	691
1997 HT_3		1997 04 30.37066	15 32 24.57	−13 55 52.4	20.8	V	691
1997 HT_3		1997 05 05.33421	15 28 28.11	−13 39 55.9	19.9	V	691

1997 HT_3		1997 05 05.35643	15 28 26.94	−13 39 50.9	20.0	V	691
1997 HT_3		1997 05 05.37884	15 28 25.79	−13 39 45.9	20.0	V	691
1997 HU_3	*	1997 04 30.29615	15 35 52.76	−13 50 52.0	20.1	V	691
1997 HU_3		1997 04 30.33134	15 35 50.74	−13 50 52.7	20.1	V	691
1997 HU_3		1997 04 30.37301	15 35 48.31	−13 50 53.8	20.5	V	691
1997 HU_3		1997 05 05.33595	15 30 58.96	−13 53 05.9	20.0	V	691
1997 HU_3		1997 05 05.35817	15 30 57.55	−13 53 06.5	20.0	V	691
1997 HU_3		1997 05 05.38057	15 30 56.14	−13 53 07.1	20.1	V	691
1997 HV_3	*	1997 04 30.29836	15 39 04.19	−13 58 48.3	20.4	V	691
1997 HV_3		1997 04 30.33356	15 39 03.21	−13 58 40.6	20.1	V	691
1997 HV_3		1997 04 30.37525	15 39 02.01	−13 58 31.9	20.6	V	691
1997 HV_3		1997 05 05.33989	15 36 40.50	−13 40 27.5	20.1	V	691
1997 HV_3		1997 05 05.36212	15 36 39.81	−13 40 22.5	20.4	V	691
1997 HV_3		1997 05 05.38453	15 36 39.13	−13 40 17.5	20.2	V	691
1997 HV_3		1997 05 09.34396	15 34 41.99	−13 25 53.7	20.0	V	691
1997 HV_3		1997 05 09.36581	15 34 41.30	−13 25 49.1	19.8	V	691
1997 HV_3		1997 05 09.38762	15 34 40.65	−13 25 43.9	20.2	V	691
1997 HW_3	*	1997 04 30.30409	15 47 20.10	−13 57 28.9	20.4	V	691
1997 HW_3		1997 04 30.33928	15 47 18.39	−13 57 19.4	20.6	V	691
1997 HW_3		1997 04 30.38095	15 47 16.44	−13 57 08.6	21.3	V	691
1997 HW_3		1997 05 05.34446	15 43 16.17	−13 34 16.9	20.8	V	691
1997 HW_3		1997 05 05.36668	15 43 14.96	−13 34 10.4	20.9	V	691
1997 HW_3		1997 05 05.38909	15 43 13.69	−13 34 02.6	20.0	V	691
1997 HX_3	*	1997 04 30.30526	15 49 01.92	−13 41 19.7	17.8	V	691
1997 HX_3		1997 04 30.34045	15 48 59.82	−13 41 21.1	17.6	V	691
1997 HX_3		1997 04 30.38212	15 48 57.32	−13 41 22.5	17.8	V	691
1997 HX_3		1997 05 05.34497	15 43 59.94	−13 44 15.9	17.7	V	691
1997 HX_3		1997 05 05.36719	15 43 58.52	−13 44 16.7	17.7	V	691
1997 HX_3		1997 05 05.38959	15 43 57.05	−13 44 17.7	17.6	V	691
1997 HY_3	*	1997 04 30.41522	16 21 32.85	−01 52 47.1	20.4	V	691
1997 HY_3		1997 04 30.44047	16 21 31.79	−01 52 46.6	20.3	V	691
1997 HY_3		1997 04 30.46146	16 21 30.87	−01 52 45.4	20.1	V	691
1997 HY_3		1997 05 05.42768	16 17 56.94	−01 52 29.7	20.3	V	691
1997 HY_3		1997 05 05.44886	16 17 55.93	−01 52 29.9	20.2	V	691
1997 HY_3		1997 05 05.46993	16 17 54.97	−01 52 30.3	20.4	V	691
1997 HZ_3	*	1997 04 30.41766	16 25 03.50	−01 49 20.3	20.7	V	691
1997 HZ_3		1997 04 30.44290	16 25 02.66	−01 49 14.8	20.4	V	691
1997 HZ_3		1997 04 30.46390	16 25 01.96	−01 49 11.0	20.6	V	691
1997 HZ_3		1997 05 05.43062	16 22 12.16	−01 35 08.6	20.5	V	691
1997 HZ_3		1997 05 05.45181	16 22 11.30	−01 35 05.4	20.5	V	691
1997 HZ_3		1997 05 05.47288	16 22 10.53	−01 35 01.9	20.9	V	691
1997 HA_4	*	1997 04 28.19342	12 20 58.43	−03 06 26.1	21.1	V	691
1997 HA_4		1997 04 28.21484	12 20 57.90	−03 06 14.6	21.2	V	691
1997 HA_4		1997 04 28.23970	12 20 57.25	−03 06 01.8	21.1	V	691
1997 HA_4		1997 05 06.14828	12 18 31.36	−02 03 38.9	21.3	V	691
1997 HA_4		1997 05 06.16988	12 18 31.07	−02 03 30.2	21.1	V	691
1997 HA_4		1997 05 06.19095	12 18 30.71	−02 03 21.1	20.6	V	691
1997 HB_4	*	1997 04 29.28649	14 05 21.24	−11 41 33.7	20.7	V	691
1997 HB_4		1997 04 29.31493	14 05 19.28	−11 41 40.2	20.5	V	691
1997 HB_4		1997 04 29.33646	14 05 17.80	−11 41 46.2	20.2	V	691
1997 HB_4		1997 05 06.21579	13 57 56.33	−12 09 13.7	20.8	V	691
1997 HB_4		1997 05 06.27008	13 57 52.91	−12 09 27.1	21.1	V	691
1997 HB_4		1997 05 06.29299	13 57 51.42	−12 09 32.6	20.9	V	691
1997 HC_4	*	1997 04 30.40587	16 08 02.14	−01 43 26.7	18.6	V	691
1997 HC_4		1997 04 30.43112	16 08 01.53	−01 43 01.3	18.2	V	691
1997 HC_4		1997 04 30.45211	16 08 01.02	−01 42 39.7	18.2	V	691
1997 HC_4		1997 05 06.38038	16 05 25.05	−00 03 43.1	17.9	V	691
1997 HC_4		1997 05 06.40166	16 05 24.41	−00 03 22.5	18.1	V	691
1997 HC_4		1997 05 06.42293	16 05 23.71	−00 03 02.2	18.2	V	691
1997 HJ_4		1997 04 07.13696	10 23 55.07	+07 07 47.2	18.1	V	691
1997 HJ_4		1997 04 07.15978	10 23 54.57	+07 07 54.5	17.8	V	691
1997 HJ_4		1997 04 07.18162	10 23 54.11	+07 08 01.3	17.8	V	691
1997 HB_{14}	*	1997 04 27.14059	12 16 11.87	−03 53 42.6	18.7	V	691
1997 HB_{14}		1997 04 27.16143	12 16 11.37	−03 53 34.2	18.6	V	691
1997 HB_{14}		1997 04 27.18254	12 16 10.87	−03 53 25.8	18.7	V	691
1997 HB_{14}		1997 05 09.14353	12 13 38.94	−02 48 54.1	18.9	V	691
1997 HB_{14}		1997 05 09.16446	12 13 38.83	−02 48 49.1	18.9	V	691
1997 HB_{14}		1997 05 09.18546	12 13 38.72	−02 48 43.7	19.0	V	691
1997 HC_{14}	*	1997 04 27.14234	12 18 43.88	−03 38 01.3	19.6	V	691
1997 HC_{14}		1997 04 27.16318	12 18 43.13	−03 37 58.9	19.6	V	691
1997 HC_{14}		1997 05 08.14184	12 14 20.61	−03 25 19.6	20.2	V	691
1997 HC_{14}		1997 05 08.16289	12 14 20.26	−03 25 19.4	20.4	V	691
1997 HC_{14}		1997 05 08.18374	12 14 19.92	−03 25 19.3	20.2	V	691
1997 HD_{14}	*	1997 04 27.14360	12 20 33.08	−03 42 43.8	19.6	V	691
1997 HD_{14}		1997 04 27.16444	12 20 32.32	−03 42 41.2	19.5	V	691
1997 HD_{14}		1997 04 27.18555	12 20 31.54	−03 42 38.4	19.9	V	691
1997 HD_{14}		1997 05 08.14252	12 15 19.32	−03 24 25.5	20.1	V	691
1997 HD_{14}		1997 05 08.16357	12 15 18.82	−03 24 24.2	20.1	V	691
1997 HD_{14}		1997 05 08.18441	12 15 18.35	−03 24 22.9	20.3	V	691
1997 HE_{14}	*	1997 04 27.14365	12 20 37.68	−03 53 31.2	18.1	V	691
1997 HE_{14}		1997 04 27.16449	12 20 36.98	−03 53 26.8	17.9	V	691
1997 HE_{14}		1997 04 27.18560	12 20 36.28	−03 53 22.1	18.4	V	691
1997 HE_{14}		1997 05 08.14290	12 15 52.63	−03 20 35.3	18.5	V	691
1997 HE_{14}		1997 05 08.16395	12 15 52.17	−03 20 31.7	18.5	V	691
1997 HE_{14}		1997 05 08.18480	12 15 51.74	−03 20 28.8	18.4	V	691
1997 HF_{14}	*	1997 04 27.14369	12 20 40.53	−03 43 34.3	19.2	V	691
1997 HF_{14}		1997 04 27.16452	12 20 39.77	−03 43 29.2	19.1	V	691
1997 HF_{14}		1997 04 27.18563	12 20 38.98	−03 43 24.0	19.6	V	691
1997 HF_{14}		1997 05 08.14292	12 15 54.55	−03 07 56.1	19.6	V	691
1997 HF_{14}		1997 05 08.16397	12 15 54.14	−03 07 53.1	19.6	V	691
1997 HF_{14}		1997 05 08.18482	12 15 53.76	−03 07 50.2	19.6	V	691
1997 HG_{14}	*	1997 04 27.14483	12 22 19.57	−03 34 52.4	20.3	V	691
1997 HG_{14}		1997 04 27.16567	12 22 18.97	−03 34 49.6	20.7	V	691
1997 HG_{14}		1997 04 27.18678	12 22 18.29	−03 34 46.1	21.4	V	691
1997 HG_{14}		1997 05 08.14436	12 17 58.97	−03 10 55.8	21.4	V	691
1997 HG_{14}		1997 05 08.16541	12 17 58.53	−03 10 53.8	21.2	V	691
1997 HG_{14}		1997 05 08.18626	12 17 58.11	−03 10 52.1	20.9	V	691
1997 HH_{14}	*	1997 04 27.14492	12 22 27.03	−03 49 58.7	20.4	V	691
1997 HH_{14}		1997 04 27.16576	12 22 26.54	−03 49 50.0	20.5	V	691
1997 HH_{14}		1997 04 27.18687	12 22 26.01	−03 49 41.4	20.8	V	691
1997 HH_{14}		1997 05 09.14813	12 20 17.67	−02 43 01.7	20.8	V	691
1997 HH_{14}		1997 05 09.16906	12 20 17.64	−02 42 56.0	20.9	V	691
1997 HH_{14}		1997 05 09.19007	12 20 17.61	−02 42 51.2	20.4	V	691
1997 HJ_{14}	*	1997 04 27.14642	12 24 37.57	−03 47 28.3	20.2	V	691

1997 HJ_{14}		1997 04 27.16726	12 24 36.82	−03 47 22.1	20.5	V	691
1997 HJ_{14}		1997 04 27.18837	12 24 36.04	−03 47 14.9	21.0	V	691
1997 HJ_{14}		1997 05 09.14735	12 19 09.81	−02 54 21.0	20.8	V	691
1997 HJ_{14}		1997 05 09.16827	12 19 09.38	−02 54 16.2	20.9	V	691
1997 HJ_{14}		1997 05 09.18928	12 19 09.01	−02 54 11.9	20.9	V	691
1997 HK_{14}	*	1997 04 27.14678	12 25 08.68	−03 53 09.9	19.6	V	691
1997 HK_{14}		1997 04 27.16762	12 25 07.99	−03 53 03.7	19.7	V	691
1997 HK_{14}		1997 04 27.18873	12 25 07.25	−03 52 57.2	20.2	V	691
1997 HK_{14}		1997 05 08.14658	12 21 11.59	−03 08 03.4	20.2	V	691
1997 HK_{14}		1997 05 08.16764	12 21 11.32	−03 07 59.8	20.5	V	691
1997 HK_{14}		1997 05 08.18848	12 21 11.04	−03 07 56.1	20.2	V	691
1997 HL_{14}	*	1997 04 27.15095	12 31 09.78	−03 53 03.7	19.5	V	691
1997 HL_{14}		1997 04 27.17179	12 31 09.12	−03 52 59.3	19.5	V	691
1997 HL_{14}		1997 04 27.19290	12 31 08.44	−03 52 55.2	19.8	V	691
1997 HL_{14}		1997 05 08.15055	12 26 54.96	−03 22 54.7	19.9	V	691
1997 HL_{14}		1997 05 08.17160	12 26 54.60	−03 22 52.0	20.1	V	691
1997 HL_{14}		1997 05 08.19245	12 26 54.25	−03 22 49.4	19.9	V	691
1997 HM_{14}	*	1997 04 27.15170	12 32 14.86	−03 50 51.6	20.2	V	691
1997 HM_{14}		1997 04 27.17254	12 32 14.04	−03 50 47.6	20.4	V	691
1997 HM_{14}		1997 04 27.19365	12 32 13.23	−03 50 44.0	20.7	V	691
1997 HM_{14}		1997 05 08.15023	12 26 27.36	−03 24 16.9	20.8	V	691
1997 HM_{14}		1997 05 08.17128	12 26 26.82	−03 24 15.0	20.9	V	691
1997 HM_{14}		1997 05 08.19212	12 26 26.24	−03 24 12.8	20.9	V	691
1997 HN_{14}	*	1997 04 27.15662	12 39 20.65	−04 01 34.8	20.9	V	691
1997 HN_{14}		1997 04 27.17746	12 39 19.90	−04 01 30.9	21.1	V	691
1997 HN_{14}		1997 04 27.19856	12 39 19.14	−04 01 26.1	21.1	V	691
1997 HN_{14}		1997 05 08.15561	12 34 13.20	−03 25 34.2	21.6	V	691
1997 HN_{14}		1997 05 08.17666	12 34 12.68	−03 25 30.6	21.4	V	691
1997 HN_{14}		1997 05 08.19750	12 34 12.16	−03 25 27.5	21.3	V	691
1997 HO_{14}	*	1997 04 28.19159	12 18 19.97	−03 25 34.8	18.5	V	691
1997 HO_{14}		1997 04 28.21300	12 18 19.31	−03 25 30.5	18.4	V	691
1997 HO_{14}		1997 04 28.23787	12 18 18.54	−03 25 25.6	18.2	V	691
1997 HO_{14}		1997 05 09.14382	12 14 04.63	−02 56 32.7	18.5	V	691
1997 HO_{14}		1997 05 09.16475	12 14 04.27	−02 56 30.3	18.2	V	691
1997 HO_{14}		1997 05 09.18576	12 14 03.86	−02 56 27.7	18.0	V	691
1997 HP_{14}	*	1997 04 28.28016	14 01 21.47	−12 05 15.5	20.3	V	691
1997 HP_{14}		1997 04 28.30205	14 01 20.41	−12 05 11.3	20.4	V	691
1997 HP_{14}		1997 04 28.32625	14 01 19.22	−12 05 06.2	20.7	V	691
1997 HP_{14}		1997 05 08.20805	13 54 02.15	−11 32 04.2	20.4	V	691
1997 HP_{14}		1997 05 08.22948	13 54 01.25	−11 32 00.2	20.5	V	691
1997 HP_{14}		1997 05 08.25083	13 54 00.32	−11 31 56.5	20.7	V	691
1997 HQ_{14}	*	1997 04 28.28443	14 07 31.65	−12 13 46.3	17.7	V	691
1997 HQ_{14}		1997 04 28.30632	14 07 30.34	−12 13 36.1	17.5	V	691
1997 HQ_{14}		1997 04 28.33051	14 07 28.87	−12 13 24.9	17.3	V	691
1997 HQ_{14}		1997 05 08.27603	13 58 18.08	−10 58 11.1	17.9	V	691
1997 HQ_{14}		1997 05 08.29738	13 58 16.91	−10 58 01.4	17.8	V	691
1997 HQ_{14}		1997 05 08.31900	13 58 15.71	−10 57 52.0	17.7	V	691
1997 HR_{14}	*	1997 04 28.28547	14 09 01.77	−12 29 08.0	19.4	V	691
1997 HR_{14}		1997 04 28.30736	14 09 00.80	−12 29 00.5	19.2	V	691
1997 HR_{14}		1997 04 28.33156	14 08 59.75	−12 28 52.1	19.1	V	691
1997 HR_{14}		1997 05 08.21376	14 02 17.31	−11 32 23.7	19.5	V	691
1997 HR_{14}		1997 05 08.23519	14 02 16.47	−11 32 16.3	19.6	V	691
1997 HR_{14}		1997 05 08.25654	14 02 15.60	−11 32 09.0	20.0	V	691
1997 HS_{14}	*	1997 04 28.28597	14 09 44.61	−12 18 20.9	20.8	V	691
1997 HS_{14}		1997 04 28.30786	14 09 43.32	−12 18 13.9	20.6	V	691
1997 HS_{14}		1997 04 28.33205	14 09 41.89	−12 18 06.4	20.4	V	691
1997 HS_{14}		1997 04 29.24340	14 08 50.21	−12 13 17.2	20.5	V	691
1997 HS_{14}		1997 04 29.26498	14 08 48.97	−12 13 10.7	21.0	V	691
1997 HS_{14}		1997 05 08.27767	14 00 40.17	−11 27 26.2	21.2	V	691
1997 HS_{14}		1997 05 08.29902	14 00 39.06	−11 27 19.6	21.1	V	691
1997 HS_{14}		1997 05 08.32064	14 00 37.92	−11 27 13.5	20.8	V	691
1997 HT_{14}	*	1997 04 28.28711	14 11 23.21	−12 22 19.3	20.0	V	691
1997 HT_{14}		1997 04 28.30899	14 11 21.88	−12 22 14.6	19.7	V	691
1997 HT_{14}		1997 04 28.33319	14 11 20.43	−12 22 09.7	19.5	V	691
1997 HT_{14}		1997 05 08.21358	14 02 01.17	−11 47 09.4	19.9	V	691
1997 HT_{14}		1997 05 08.23500	14 01 59.98	−11 47 05.2	20.1	V	691
1997 HT_{14}		1997 05 08.25635	14 01 58.74	−11 47 00.6	20.6	V	691
1997 HU_{14}	*	1997 04 28.28758	14 12 03.95	−12 27 45.0	19.4	V	691
1997 HU_{14}		1997 04 28.30946	14 12 02.64	−12 27 35.6	19.0	V	691
1997 HU_{14}		1997 04 28.33366	14 12 01.23	−12 27 25.7	18.6	V	691
1997 HU_{14}		1997 05 08.27926	14 02 57.26	−11 19 13.1	19.2	V	691
1997 HU_{14}		1997 05 08.30060	14 02 56.11	−11 19 04.7	19.1	V	691
1997 HU_{14}		1997 05 08.32223	14 02 54.96	−11 18 56.1	19.0	V	691
1997 HV_{14}	*	1997 04 28.28817	14 12 55.58	−12 00 18.0	19.5	V	691
1997 HV_{14}		1997 04 28.31006	14 12 54.12	−12 00 16.9	19.4	V	691
1997 HV_{14}		1997 04 28.33425	14 12 52.56	−12 00 15.9	19.4	V	691
1997 HV_{14}		1997 05 08.21419	14 02 54.29	−11 52 40.9	19.7	V	691
1997 HV_{14}		1997 05 08.23562	14 02 53.03	−11 52 39.8	19.9	V	691
1997 HV_{14}		1997 05 08.25696	14 02 51.74	−11 52 39.5	20.3	V	691
1997 HW_{14}	*	1997 04 28.28855	14 13 28.20	−12 11 16.9	18.5	V	691
1997 HW_{14}		1997 04 28.31044	14 13 26.86	−12 11 13.1	18.3	V	691
1997 HW_{14}		1997 04 28.33463	14 13 25.40	−12 11 09.6	18.3	V	691
1997 HW_{14}		1997 05 08.21505	14 04 09.16	−11 45 17.7	18.5	V	691
1997 HW_{14}		1997 05 08.23648	14 04 08.03	−11 45 14.6	18.7	V	691
1997 HW_{14}		1997 05 08.25783	14 04 06.85	−11 45 11.3	19.0	V	691
1997 HX_{14}	*	1997 04 28.28884	14 13 52.94	−12 20 24.0	21.5	V	691
1997 HX_{14}		1997 04 28.31072	14 13 51.87	−12 20 17.8	21.0	V	691
1997 HX_{14}		1997 04 28.33492	14 13 50.73	−12 20 11.5	20.5	V	691
1997 HX_{14}		1997 05 08.21657	14 06 20.29	−11 36 08.8	21.6	V	691
1997 HX_{14}		1997 05 08.23800	14 06 19.27	−11 36 02.8	21.3	V	691
1997 HX_{14}		1997 05 08.25935	14 06 18.30	−11 35 56.8	21.9	V	691
1997 HY_{14}	*	1997 04 28.28918	14 14 23.11	−12 11 59.6	20.8	V	691
1997 HY_{14}		1997 04 28.31107	14 14 21.81	−12 11 56.9	20.6	V	691
1997 HY_{14}		1997 04 28.33526	14 14 20.35	−12 11 53.4	20.5	V	691
1997 HY_{14}		1997 05 08.21554	14 04 51.73	−11 50 03.6	20.4	V	691
1997 HY_{14}		1997 05 08.23697	14 04 50.44	−11 50 01.2	21.2	V	691
1997 HY_{14}		1997 05 08.25832	14 04 49.21	−11 49 58.0	21.3	V	691
1997 HZ_{14}	*	1997 04 29.21178	13 54 50.12	−12 26 41.8	18.5	V	691
1997 HZ_{14}		1997 04 29.23369	13 54 49.14	−12 26 36.0	18.6	V	691
1997 HZ_{14}		1997 04 29.25528	13 54 48.16	−12 26 31.4	18.3	V	691
1997 HZ_{14}		1997 05 08.20431	13 48 38.19	−11 49 55.3	18.8	V	691
1997 HZ_{14}		1997 05 08.22574	13 48 37.32	−11 49 49.9	18.9	V	691
1997 HZ_{14}		1997 05 08.24709	13 48 36.45	−11 49 45.0	18.9	V	691
1997 HA_{15}	*	1997 04 29.21179	13 54 51.67	−12 25 56.8	20.2	V	691

1997 HA_{15}		1997 04 29.23371	13 54 50.60	−12 25 49.3	20.6	V	691
1997 HA_{15}		1997 04 29.25529	13 54 49.57	−12 25 42.1	20.7	V	691
1997 HA_{15}		1997 05 08.20404	13 48 15.25	−11 38 32.6	21.7	V	691
1997 HA_{15}		1997 05 08.24682	13 48 13.54	−11 38 20.0	20.7	V	691
1997 HB_{15}	*	1997 04 29.21244	13 55 48.00	−12 12 43.0	19.9	V	691
1997 HB_{15}		1997 04 29.23436	13 55 47.04	−12 12 35.2	19.4	V	691
1997 HB_{15}		1997 04 29.25595	13 55 46.12	−12 12 28.7	19.7	V	691
1997 HB_{15}		1997 05 08.27007	13 49 41.61	−11 26 25.8	20.3	V	691
1997 HB_{15}		1997 05 08.29142	13 49 40.79	−11 26 19.7	20.6	V	691
1997 HB_{15}		1997 05 08.31305	13 49 39.95	−11 26 12.9	20.3	V	691
1997 HC_{15}	*	1997 04 29.21316	13 56 49.92	−12 21 42.4	19.8	V	691
1997 HC_{15}		1997 04 29.23507	13 56 48.71	−12 21 37.9	19.5	V	691
1997 HC_{15}		1997 04 29.25665	13 56 47.19	−12 21 33.4	19.9	V	691
1997 HC_{15}		1997 05 08.20392	13 47 58.28	−11 52 17.6	20.8	V	691
1997 HC_{15}		1997 05 08.22535	13 47 57.06	−11 52 12.7	20.5	V	691
1997 HC_{15}		1997 05 08.24670	13 47 55.81	−11 52 09.3	20.3	V	691
1997 HD_{15}	*	1997 04 29.21337	13 57 08.68	−12 12 06.7	18.6	V	691
1997 HD_{15}		1997 04 29.23529	13 57 07.59	−12 11 59.2	18.8	V	691
1997 HD_{15}		1997 04 29.25687	13 57 06.46	−12 11 52.0	19.5	V	691
1997 HD_{15}		1997 05 08.27027	13 49 58.60	−11 23 48.0	19.6	V	691
1997 HD_{15}		1997 05 08.29162	13 49 57.61	−11 23 41.4	19.7	V	691
1997 HD_{15}		1997 05 08.31324	13 49 56.63	−11 23 34.6	18.8	V	691
1997 HE_{15}	*	1997 04 29.21341	13 57 11.85	−12 06 25.8	20.3	V	691
1997 HE_{15}		1997 04 29.23532	13 57 10.47	−12 06 22.0	20.7	V	691
1997 HE_{15}		1997 04 29.25690	13 57 09.03	−12 06 19.3	20.6	V	691
1997 HE_{15}		1997 05 08.20422	13 48 30.29	−11 47 47.6	20.9	V	691
1997 HE_{15}		1997 05 08.22564	13 48 29.03	−11 47 45.4	21.1	V	691
1997 HE_{15}		1997 05 08.24699	13 48 27.87	−11 47 43.0	21.2	V	691
1997 HF_{15}	*	1997 04 29.21346	13 57 15.98	−12 00 37.5	18.9	V	691
1997 HF_{15}		1997 04 29.23537	13 57 14.77	−12 00 29.2	18.8	V	691
1997 HF_{15}		1997 04 29.25696	13 57 13.54	−12 00 21.0	18.7	V	691
1997 HF_{15}		1997 05 08.26987	13 49 24.16	−11 04 55.2	19.4	V	691
1997 HF_{15}		1997 05 08.29122	13 49 23.08	−11 04 47.6	19.5	V	691
1997 HF_{15}		1997 05 08.31284	13 49 21.98	−11 04 39.8	19.0	V	691
1997 HG_{15}	*	1997 04 29.21399	13 58 01.70	−12 08 04.2	18.8	V	691
1997 HG_{15}		1997 04 29.23590	13 58 00.37	−12 07 56.3	18.7	V	691
1997 HG_{15}		1997 04 29.25748	13 57 59.11	−12 07 47.7	18.1	V	691
1997 HG_{15}		1997 05 08.27000	13 49 34.99	−11 16 14.0	19.1	V	691
1997 HG_{15}		1997 05 08.29134	13 49 33.83	−11 16 07.3	19.2	V	691
1997 HG_{15}		1997 05 08.31296	13 49 32.66	−11 15 59.8	18.8	V	691
1997 HH_{15}	*	1997 04 29.21453	13 58 48.82	−12 16 38.8	21.0	V	691
1997 HH_{15}		1997 04 29.23645	13 58 47.82	−12 16 34.2	20.2	V	691
1997 HH_{15}		1997 05 08.20708	13 52 38.08	−11 41 29.4	19.6	V	691
1997 HH_{15}		1997 05 08.22851	13 52 37.18	−11 41 24.3	19.8	V	691
1997 HH_{15}		1997 05 08.24986	13 52 36.28	−11 41 19.9	20.1	V	691
1997 HJ_{15}	*	1997 04 29.21504	13 59 32.74	−12 11 38.5	19.9	V	691
1997 HJ_{15}		1997 04 29.23695	13 59 31.72	−12 11 33.5	19.6	V	691
1997 HJ_{15}		1997 04 29.25854	13 59 30.75	−12 11 28.9	19.3	V	691
1997 HJ_{15}		1997 05 08.20740	13 53 06.17	−11 37 39.5	20.1	V	691
1997 HJ_{15}		1997 05 08.22883	13 53 05.25	−11 37 34.5	19.9	V	691
1997 HJ_{15}		1997 05 08.25018	13 53 04.37	−11 37 30.1	20.1	V	691
1997 HK_{15}	*	1997 04 29.21536	14 00 00.34	−12 10 18.7	19.8	V	691
1997 HK_{15}		1997 04 29.23727	13 59 59.27	−12 10 13.2	19.9	V	691
1997 HK_{15}		1997 04 29.25886	13 59 58.25	−12 10 07.9	20.0	V	691
1997 HK_{15}		1997 05 08.20763	13 53 25.78	−11 34 07.4	20.6	V	691
1997 HK_{15}		1997 05 08.22906	13 53 24.85	−11 34 02.3	20.6	V	691
1997 HK_{15}		1997 05 08.25041	13 53 23.93	−11 33 57.7	20.5	V	691
1997 HL_{15}	*	1997 04 29.21544	14 00 07.31	−12 07 37.5	20.2	V	691
1997 HL_{15}		1997 04 29.23735	14 00 06.05	−12 07 33.7	20.3	V	691
1997 HL_{15}		1997 04 29.25893	14 00 04.79	−12 07 29.5	20.1	V	691
1997 HL_{15}		1997 05 08.20659	13 51 56.00	−11 38 03.9	20.6	V	691
1997 HL_{15}		1997 05 08.22802	13 51 54.84	−11 37 59.3	21.0	V	691
1997 HL_{15}		1997 05 08.24937	13 51 53.74	−11 37 55.9	20.9	V	691
1997 HM_{15}	*	1997 04 29.21578	14 00 37.12	−12 29 35.1	17.1	V	691
1997 HM_{15}		1997 04 29.23770	14 00 36.00	−12 29 27.1	17.1	V	691
1997 HM_{15}		1997 04 29.25928	14 00 34.92	−12 29 19.6	17.0	V	691
1997 HM_{15}		1997 05 08.20809	13 54 05.59	−11 37 47.9	17.9	V	691
1997 HM_{15}		1997 05 08.22952	13 54 04.70	−11 37 41.1	17.9	V	691
1997 HM_{15}		1997 05 08.25087	13 54 03.81	−11 37 34.4	18.0	V	691
1997 HN_{15}	*	1997 04 29.21655	14 01 43.91	−12 05 50.0	20.9	V	691
1997 HN_{15}		1997 04 29.23847	14 01 42.77	−12 05 45.7	20.7	V	691
1997 HN_{15}		1997 04 29.26005	14 01 41.56	−12 05 41.2	21.0	V	691
1997 HN_{15}		1997 05 08.20816	13 54 11.91	−11 36 56.0	20.9	V	691
1997 HN_{15}		1997 05 08.22959	13 54 10.81	−11 36 51.7	21.1	V	691
1997 HN_{15}		1997 05 08.25094	13 54 09.78	−11 36 48.0	21.6	V	691
1997 HO_{15}	*	1997 04 29.21760	14 03 14.79	−12 26 08.7	20.0	V	691
1997 HO_{15}		1997 04 29.23952	14 03 13.54	−12 26 00.9	20.0	V	691
1997 HO_{15}		1997 04 29.26110	14 03 12.29	−12 25 52.7	20.1	V	691
1997 HO_{15}		1997 05 08.20906	13 55 30.25	−11 32 06.3	20.6	V	691
1997 HO_{15}		1997 05 08.23049	13 55 29.19	−11 31 59.0	20.7	V	691
1997 HO_{15}		1997 05 08.25184	13 55 28.06	−11 31 50.7	19.9	V	691
1997 HP_{15}	*	1997 04 29.21817	14 04 04.17	−12 13 58.4	19.9	V	691
1997 HP_{15}		1997 04 29.24009	14 04 03.05	−12 13 54.4	20.1	V	691
1997 HP_{15}		1997 04 29.26167	14 04 02.00	−12 13 49.7	20.0	V	691
1997 HP_{15}		1997 05 08.21013	13 57 02.50	−11 43 39.6	19.7	V	691
1997 HP_{15}		1997 05 08.23156	13 57 01.51	−11 43 36.1	20.0	V	691
1997 HP_{15}		1997 05 08.25291	13 57 00.53	−11 43 32.2	19.9	V	691
1997 HQ_{15}	*	1997 04 29.21886	14 05 03.63	−12 14 55.2	20.2	V	691
1997 HQ_{15}		1997 04 29.24077	14 05 02.43	−12 14 48.3	20.6	V	691
1997 HQ_{15}		1997 04 29.26235	14 05 01.25	−12 14 40.3	20.7	V	691
1997 HQ_{15}		1997 05 08.27555	13 57 36.04	−11 22 00.6	21.2	V	691
1997 HQ_{15}		1997 05 08.29690	13 57 35.01	−11 21 53.5	20.4	V	691
1997 HQ_{15}		1997 05 08.31852	13 57 34.01	−11 21 46.5	20.8	V	691
1997 HR_{15}	*	1997 04 29.21891	14 05 08.59	−12 03 26.4	19.5	V	691
1997 HR_{15}		1997 04 29.24083	14 05 07.46	−12 03 19.7	19.4	V	691
1997 HR_{15}		1997 04 29.26241	14 05 06.29	−12 03 12.0	19.7	V	691
1997 HR_{15}		1997 05 08.27587	13 58 04.30	−11 12 43.5	20.0	V	691
1997 HR_{15}		1997 05 08.29722	13 58 03.32	−11 12 35.9	20.0	V	691
1997 HR_{15}		1997 05 08.31885	13 58 02.32	−11 12 29.6	19.8	V	691
1997 HS_{15}	*	1997 04 29.27942	13 55 09.22	−11 56 35.9	19.8	V	691
1997 HS_{15}		1997 04 29.32941	13 55 06.86	−11 56 23.9	19.9	V	691
1997 HS_{15}		1997 05 08.26937	13 48 40.54	−11 23 15.6	20.3	V	691
1997 HS_{15}		1997 05 08.29072	13 48 39.68	−11 23 11.7	20.3	V	691
1997 HS_{15}		1997 05 08.31234	13 48 38.74	−11 23 06.9	19.9	V	691

1997 HT_{15}	*	1997 04 29.28246	13 59 32.62	−11 35 48.7	19.7	V	691
1997 HT_{15}		1997 04 29.31091	13 59 30.89	−11 35 50.9	20.2	V	691
1997 HT_{15}		1997 04 29.33244	13 59 29.54	−11 35 52.6	20.3	V	691
1997 HT_{15}		1997 05 08.20594	13 50 59.32	−11 48 36.9	19.9	V	691
1997 HT_{15}		1997 05 08.22736	13 50 58.17	−11 48 38.4	20.1	V	691
1997 HT_{15}		1997 05 08.24871	13 50 56.96	−11 48 40.7	20.3	V	691
1997 HU_{15}	*	1997 04 29.28585	14 04 25.57	−11 51 39.3	20.8	V	691
1997 HU_{15}		1997 04 29.31430	14 04 24.10	−11 51 33.5	20.6	V	691
1997 HU_{15}		1997 04 29.33583	14 04 23.02	−11 51 29.2	20.4	V	691
1997 HU_{15}		1997 05 08.27535	13 57 19.00	−11 21 42.5	21.3	V	691
1997 HU_{15}		1997 05 08.29670	13 57 17.99	−11 21 38.8	20.9	V	691
1997 HU_{15}		1997 05 08.31832	13 57 17.02	−11 21 33.6	20.8	V	691
1997 HV_{15}	*	1997 04 29.28665	14 05 35.56	−11 36 10.2	20.8	V	691
1997 HV_{15}		1997 04 29.31510	14 05 33.95	−11 36 04.9	20.6	V	691
1997 HV_{15}		1997 04 29.33663	14 05 32.76	−11 36 00.5	20.4	V	691
1997 HV_{15}		1997 05 08.27569	13 57 48.38	−11 11 13.9	21.2	V	691
1997 HV_{15}		1997 05 08.29704	13 57 47.36	−11 11 10.4	20.7	V	691
1997 HV_{15}		1997 05 08.31866	13 57 46.22	−11 11 06.9	20.7	V	691
1997 HW_{15}	*	1997 04 29.28686	14 05 52.97	−11 42 18.4	21.3	V	691
1997 HW_{15}		1997 04 29.31531	14 05 51.46	−11 42 10.9	20.6	V	691
1997 HW_{15}		1997 04 29.33683	14 05 50.27	−11 42 04.0	21.0	V	691
1997 HW_{15}		1997 05 08.27619	13 58 31.53	−11 04 19.2	20.8	V	691
1997 HW_{15}		1997 05 08.29754	13 58 30.55	−11 04 13.4	20.6	V	691
1997 HW_{15}		1997 05 08.31916	13 58 29.55	−11 04 07.5	20.3	V	691
1997 HX_{15}	*	1997 04 29.28730	14 06 31.34	−11 50 12.6	20.0	V	691
1997 HX_{15}		1997 04 29.31575	14 06 29.53	−11 50 08.0	20.1	V	691
1997 HX_{15}		1997 04 29.33727	14 06 28.19	−11 50 04.4	20.2	V	691
1997 HX_{15}		1997 05 08.27556	13 57 37.04	−11 27 13.3	20.3	V	691
1997 HX_{15}		1997 05 08.29691	13 57 35.80	−11 27 10.1	20.7	V	691
1997 HX_{15}		1997 05 08.31853	13 57 34.52	−11 27 07.1	20.3	V	691
1997 HY_{15}	*	1997 04 29.28750	14 06 49.16	−11 43 39.1	19.6	V	691
1997 HY_{15}		1997 04 29.31595	14 06 47.50	−11 43 30.2	19.3	V	691
1997 HY_{15}		1997 04 29.33748	14 06 46.24	−11 43 23.8	19.9	V	691
1997 HY_{15}		1997 05 08.27631	13 58 41.82	−10 58 32.5	20.7	V	691
1997 HY_{15}		1997 05 08.29766	13 58 40.71	−10 58 26.2	20.1	V	691
1997 HY_{15}		1997 05 08.31928	13 58 39.53	−10 58 20.1	20.2	V	691
1997 HZ_{15}	*	1997 04 29.28820	14 07 49.88	−11 57 39.7	19.4	V	691
1997 HZ_{15}		1997 04 29.31665	14 07 48.14	−11 57 37.0	19.6	V	691
1997 HZ_{15}		1997 04 29.33818	14 07 46.88	−11 57 33.7	19.4	V	691
1997 HZ_{15}		1997 05 08.21187	13 59 33.44	−11 40 24.5	20.0	V	691
1997 HZ_{15}		1997 05 08.23330	13 59 32.29	−11 40 22.5	19.9	V	691
1997 HZ_{15}		1997 05 08.25464	13 59 31.10	−11 40 20.0	20.2	V	691
1997 HA_{16}	*	1997 04 29.28939	14 09 32.88	−11 48 08.7	19.4	V	691
1997 HA_{16}		1997 04 29.31784	14 09 31.07	−11 48 05.9	19.9	V	691
1997 HA_{16}		1997 04 29.33937	14 09 29.74	−11 48 01.7	19.4	V	691
1997 HA_{16}		1997 05 08.21275	14 00 49.78	−11 30 37.8	20.2	V	691
1997 HA_{16}		1997 05 08.23418	14 00 48.56	−11 30 35.3	20.5	V	691
1997 HA_{16}		1997 05 08.25552	14 00 47.31	−11 30 33.1	20.9	V	691
1997 HB_{16}	*	1997 04 29.28989	14 10 16.16	−11 37 38.6	19.2	V	691
1997 HB_{16}		1997 04 29.31834	14 10 14.56	−11 37 34.1	19.1	V	691
1997 HB_{16}		1997 04 29.33987	14 10 13.38	−11 37 30.5	19.4	V	691
1997 HB_{16}		1997 05 08.27891	14 02 27.10	−11 13 14.7	19.7	V	691
1997 HB_{16}		1997 05 08.30026	14 02 25.99	−11 13 11.2	19.7	V	691
1997 HB_{16}		1997 05 08.32188	14 02 24.87	−11 13 08.1	19.4	V	691
1997 HC_{16}	*	1997 04 29.29162	14 12 46.03	−11 53 15.8	17.2	V	691
1997 HC_{16}		1997 04 29.32007	14 12 44.34	−11 53 06.0	17.0	V	691
1997 HC_{16}		1997 04 29.34160	14 12 43.08	−11 52 57.8	17.2	V	691
1997 HC_{16}		1997 05 08.28031	14 04 28.38	−11 00 36.1	17.4	V	691
1997 HC_{16}		1997 05 08.30166	14 04 27.19	−11 00 28.9	17.3	V	691
1997 HC_{16}		1997 05 08.32328	14 04 25.98	−11 00 21.2	17.4	V	691
1997 HD_{16}	*	1997 04 29.29173	14 12 55.28	−11 50 32.7	17.6	V	691
1997 HD_{16}		1997 04 29.32018	14 12 53.87	−11 50 25.9	18.2	V	691
1997 HD_{16}		1997 04 29.34171	14 12 52.82	−11 50 20.0	17.9	V	691
1997 HD_{16}		1997 05 08.28134	14 05 58.19	−11 13 42.2	18.5	V	691
1997 HD_{16}		1997 05 08.30269	14 05 57.22	−11 13 37.3	18.2	V	691
1997 HD_{16}		1997 05 08.32432	14 05 56.24	−11 13 32.1	17.7	V	691
1997 HE_{16}	*	1997 04 29.36527	15 47 27.58	−13 40 36.0	20.7	V	691
1997 HE_{16}		1997 04 29.38747	15 47 26.63	−13 40 33.5	20.4	V	691
1997 HE_{16}		1997 04 29.45144	15 47 23.92	−13 40 25.8	20.6	V	691
1997 HE_{16}		1997 05 09.34771	15 40 06.81	−13 19 59.7	20.0	V	691
1997 HE_{16}		1997 05 09.36956	15 40 05.78	−13 19 57.0	20.3	V	691
1997 HE_{16}		1997 05 09.39136	15 40 04.72	−13 19 54.3	20.3	V	691
1997 HF_{16}	*	1997 04 30.14711	12 19 58.30	−03 14 24.9	20.9	V	691
1997 HF_{16}		1997 04 30.16909	12 19 57.53	−03 14 24.3	21.2	V	691
1997 HF_{16}		1997 04 30.19346	12 19 56.69	−03 14 23.7	20.8	V	691
1997 HF_{16}		1997 05 08.14298	12 15 59.54	−03 12 07.3	21.5	V	691
1997 HF_{16}		1997 05 08.16403	12 15 58.97	−03 12 06.8	21.3	V	691
1997 HF_{16}		1997 05 08.18487	12 15 58.42	−03 12 06.9	21.2	V	691
1997 HG_{16}	*	1997 04 30.14766	12 20 45.77	−03 12 04.5	20.3	V	691
1997 HG_{16}		1997 04 30.16963	12 20 45.09	−03 12 01.3	20.6	V	691
1997 HG_{16}		1997 04 30.19401	12 20 44.36	−03 11 57.8	20.7	V	691
1997 HG_{16}		1997 05 09.14583	12 16 58.35	−02 54 29.7	20.6	V	691
1997 HG_{16}		1997 05 09.16675	12 16 57.88	−02 54 27.7	21.0	V	691
1997 HG_{16}		1997 05 09.18776	12 16 57.45	−02 54 25.6	20.7	V	691
1997 HH_{16}	*	1997 04 30.14919	12 22 57.98	−03 15 55.6	20.3	V	691
1997 HH_{16}		1997 04 30.17116	12 22 57.22	−03 15 49.6	20.2	V	691
1997 HH_{16}		1997 04 30.19553	12 22 56.44	−03 15 43.1	19.9	V	691
1997 HH_{16}		1997 05 09.14758	12 19 29.93	−02 47 24.4	20.6	V	691
1997 HH_{16}		1997 05 09.16851	12 19 29.63	−02 47 20.1	21.3	V	691
1997 HH_{16}		1997 05 09.18951	12 19 29.22	−02 47 18.8	20.8	V	691
1997 HJ_{16}	*	1997 04 30.15053	12 24 54.66	−03 15 43.9	21.1	V	691
1997 HJ_{16}		1997 04 30.17251	12 24 53.90	−03 15 41.7	20.2	V	691
1997 HJ_{16}		1997 04 30.19688	12 24 53.15	−03 15 39.8	20.6	V	691
1997 HJ_{16}		1997 05 08.14672	12 21 23.85	−03 06 59.2	20.5	V	691
1997 HJ_{16}		1997 05 08.16778	12 21 23.38	−03 06 58.6	20.4	V	691
1997 HJ_{16}		1997 05 08.18862	12 21 22.89	−03 06 57.8	20.5	V	691
1997 HK_{16}	*	1997 04 30.15152	12 26 20.51	−03 29 14.2	18.8	V	691
1997 HK_{16}		1997 04 30.17350	12 26 19.83	−03 29 10.1	18.8	V	691
1997 HK_{16}		1997 04 30.19787	12 26 19.05	−03 29 05.7	18.8	V	691
1997 HK_{16}		1997 05 08.14771	12 22 49.24	−03 07 41.9	19.1	V	691
1997 HK_{16}		1997 05 08.16876	12 22 48.77	−03 07 39.2	19.2	V	691
1997 HK_{16}		1997 05 08.18961	12 22 48.27	−03 07 36.5	19.2	V	691
1997 HL_{16}	*	1997 04 30.15209	12 27 09.45	−03 06 17.7	20.6	V	691
1997 HL_{16}		1997 04 30.17406	12 27 08.53	−03 06 18.7	20.8	V	691

1997 HL_{16}		1997 04 30.19843	12 27 07.52	−03 06 19.8	21.2	V	691
1997 HL_{16}		1997 05 08.14754	12 22 34.34	−03 16 17.6	20.9	V	691
1997 HL_{16}		1997 05 08.16859	12 22 33.73	−03 16 19.1	20.7	V	691
1997 HL_{16}		1997 05 08.18943	12 22 33.09	−03 16 21.5	21.2	V	691
1997 HM_{16}	*	1997 04 30.15259	12 27 52.51	−03 13 26.6	19.5	V	691
1997 HM_{16}		1997 04 30.17456	12 27 51.85	−03 13 21.8	19.8	V	691
1997 HM_{16}		1997 04 30.19894	12 27 51.12	−03 13 16.7	19.8	V	691
1997 HM_{16}		1997 05 09.15132	12 24 53.76	−02 49 27.3	20.2	V	691
1997 HM_{16}		1997 05 09.17225	12 24 53.43	−02 49 24.8	20.3	V	691
1997 HM_{16}		1997 05 09.19325	12 24 53.18	−02 49 22.5	19.9	V	691
1997 HN_{16}	*	1997 04 30.15331	12 28 55.58	−03 22 46.7	21.1	V	691
1997 HN_{16}		1997 04 30.17529	12 28 54.59	−03 22 44.4	20.7	V	691
1997 HN_{16}		1997 04 30.19966	12 28 53.60	−03 22 41.3	20.5	V	691
1997 HN_{16}		1997 05 08.14868	12 24 13.68	−03 14 09.5	21.2	V	691
1997 HN_{16}		1997 05 08.16973	12 24 13.05	−03 14 08.4	20.8	V	691
1997 HN_{16}		1997 05 08.19058	12 24 12.38	−03 14 07.8	20.9	V	691
1997 HO_{16}	*	1997 04 30.15674	12 33 52.70	−03 12 15.8	20.2	V	691
1997 HO_{16}		1997 04 30.17872	12 33 51.99	−03 12 10.0	19.9	V	691
1997 HO_{16}		1997 04 30.20309	12 33 51.28	−03 12 03.6	20.4	V	691
1997 HO_{16}		1997 05 09.15509	12 30 20.34	−02 39 03.1	20.8	V	691
1997 HO_{16}		1997 05 09.17601	12 30 19.93	−02 38 59.3	21.1	V	691
1997 HO_{16}		1997 05 09.19702	12 30 19.51	−02 38 55.7	20.6	V	691
1997 HP_{16}	*	1997 04 30.22792	13 57 26.51	−11 16 20.6	20.1	V	691
1997 HP_{16}		1997 04 30.24930	13 57 25.03	−11 16 19.7	20.5	V	691
1997 HP_{16}		1997 04 30.27052	13 57 23.55	−11 16 18.4	20.1	V	691
1997 HP_{16}		1997 05 08.26957	13 48 58.60	−11 11 42.8	21.0	V	691
1997 HP_{16}		1997 05 08.29092	13 48 57.31	−11 11 42.7	21.1	V	691
1997 HP_{16}		1997 05 08.31254	13 48 55.98	−11 11 41.7	20.9	V	691
1997 HQ_{16}	*	1997 04 30.22799	13 57 32.89	−11 23 19.3	19.2	V	691
1997 HQ_{16}		1997 04 30.24937	13 57 31.45	−11 23 24.3	19.2	V	691
1997 HQ_{16}		1997 04 30.27059	13 57 30.03	−11 23 29.6	19.0	V	691
1997 HQ_{16}		1997 05 08.20475	13 49 16.65	−11 54 57.9	19.6	V	691
1997 HQ_{16}		1997 05 08.22618	13 49 15.35	−11 55 03.0	19.7	V	691
1997 HQ_{16}		1997 05 08.24752	13 49 14.05	−11 55 08.1	19.8	V	691
1997 HR_{16}	*	1997 04 30.22843	13 58 10.71	−11 27 11.1	20.2	V	691
1997 HR_{16}		1997 04 30.24981	13 58 09.62	−11 27 07.2	20.6	V	691
1997 HR_{16}		1997 04 30.27104	13 58 08.58	−11 27 02.3	20.7	V	691
1997 HR_{16}		1997 05 08.27164	13 51 57.33	−10 59 52.5	21.4	V	691
1997 HR_{16}		1997 05 08.29299	13 51 56.42	−10 59 48.6	21.4	V	691
1997 HR_{16}		1997 05 08.31461	13 51 55.37	−10 59 44.3	20.9	V	691
1997 HS_{16}	*	1997 04 30.22849	13 58 16.18	−11 25 27.2	18.8	V	691
1997 HS_{16}		1997 04 30.24988	13 58 15.09	−11 25 26.2	18.7	V	691
1997 HS_{16}		1997 04 30.27110	13 58 14.00	−11 25 25.2	18.8	V	691
1997 HS_{16}		1997 05 08.27150	13 51 45.26	−11 19 24.9	19.2	V	691
1997 HS_{16}		1997 05 08.29285	13 51 44.24	−11 19 23.7	19.2	V	691
1997 HS_{16}		1997 05 08.31447	13 51 43.21	−11 19 22.9	19.0	V	691
1997 HT_{16}	*	1997 04 30.23367	14 05 44.69	−11 21 28.2	20.2	V	691
1997 HT_{16}		1997 04 30.25505	14 05 43.66	−11 21 24.5	20.2	V	691
1997 HT_{16}		1997 04 30.27628	14 05 42.65	−11 21 20.1	20.1	V	691
1997 HT_{16}		1997 05 08.27704	13 59 45.33	−10 58 10.9	20.6	V	691
1997 HT_{16}		1997 05 08.29839	13 59 44.38	−10 58 07.3	20.5	V	691
1997 HT_{16}		1997 05 08.32001	13 59 43.44	−10 58 04.3	20.9	V	691
1997 HU_{16}	*	1997 04 30.23729	14 10 58.83	−10 58 32.9	18.6	V	691
1997 HU_{16}		1997 04 30.25867	14 10 57.39	−10 58 40.0	18.5	V	691
1997 HU_{16}		1997 04 30.27990	14 10 55.99	−10 58 46.7	18.6	V	691
1997 HU_{16}		1997 05 08.21406	14 02 43.47	−11 42 28.7	18.8	V	691
1997 HU_{16}		1997 05 08.23549	14 02 42.17	−11 42 35.6	19.3	V	691
1997 HU_{16}		1997 05 08.25684	14 02 40.86	−11 42 42.9	19.2	V	691
1997 HV_{16}	*	1997 04 30.30023	15 41 45.78	−13 51 46.3	20.7	V	691
1997 HV_{16}		1997 04 30.37709	15 41 41.48	−13 51 26.8	21.1	V	691
1997 HV_{16}		1997 05 09.34277	15 32 58.84	−13 13 34.8	20.6	V	691
1997 HV_{16}		1997 05 09.36461	15 32 57.42	−13 13 29.4	20.7	V	691
1997 HV_{16}		1997 05 09.38641	15 32 56.01	−13 13 23.8	20.7	V	691
1997 HW_{16}	*	1997 04 30.30319	15 46 02.00	−13 41 45.4	20.3	V	691
1997 HW_{16}		1997 04 30.33837	15 46 00.28	−13 41 39.0	20.2	V	691
1997 HW_{16}		1997 04 30.38005	15 45 58.26	−13 41 31.1	20.5	V	691
1997 HW_{16}		1997 05 09.34652	15 38 23.96	−13 12 00.0	20.2	V	691
1997 HW_{16}		1997 05 09.36837	15 38 22.72	−13 11 56.0	20.3	V	691
1997 HW_{16}		1997 05 09.39017	15 38 21.49	−13 11 51.7	20.3	V	691
1997 HX_{16}	*	1997 04 30.30569	15 49 38.84	−13 57 35.7	20.9	V	691
1997 HX_{16}		1997 04 30.38256	15 49 35.36	−13 57 09.0	20.9	V	691
1997 HX_{16}		1997 05 09.34938	15 42 31.66	−13 03 35.2	20.8	V	691
1997 HX_{16}		1997 05 09.37123	15 42 30.51	−13 03 27.4	20.8	V	691
1997 HX_{16}		1997 05 09.39303	15 42 29.36	−13 03 19.2	20.6	V	691
1997 HY_{16}	*	1997 04 30.41051	16 14 44.32	−01 53 13.7	19.6	V	691
1997 HY_{16}		1997 04 30.43575	16 14 43.23	−01 53 00.3	19.4	V	691
1997 HY_{16}		1997 04 30.45675	16 14 42.36	−01 52 49.5	19.4	V	691
1997 HY_{16}		1997 05 09.40402	16 07 54.86	−00 40 16.4	19.4	V	691
1997 HY_{16}		1997 05 09.42695	16 07 53.65	−00 40 06.8	19.4	V	691
1997 HY_{16}		1997 05 09.44986	16 07 52.46	−00 39 56.8	19.3	V	691
1997 HA_{17}	*	1997 04 29.36169	15 42 16.89	−13 31 12.6	19.9	V	691
1997 HA_{17}		1997 04 29.38389	15 42 15.85	−13 31 06.3	19.9	V	691
1997 HA_{17}		1997 04 29.44785	15 42 13.01	−13 30 48.0	19.9	V	691
1997 HA_{17}		1997 05 10.33808	15 33 40.61	−12 38 57.9	19.3	V	691
1997 HA_{17}		1997 05 10.35959	15 33 39.46	−12 38 51.8	19.4	V	691
1997 HA_{17}		1997 05 10.38133	15 33 38.30	−12 38 45.7	19.5	V	691
1997 HB_{17}	*	1997 04 30.29372	15 32 21.99	−13 40 41.2	19.0	V	691
1997 HB_{17}		1997 04 30.32891	15 32 20.11	−13 40 28.6	18.8	V	691
1997 HB_{17}		1997 04 30.37058	15 32 17.86	−13 40 13.5	19.5	V	691
1997 HB_{17}		1997 05 10.33114	15 23 07.34	−12 40 34.4	18.7	V	691
1997 HB_{17}		1997 05 10.35268	15 23 06.05	−12 40 25.3	18.7	V	691
1997 HB_{17}		1997 05 10.37442	15 23 04.73	−12 40 18.1	18.7	V	691
1997 HC_{17}	*	1997 04 30.30274	15 45 23.13	−13 47 48.9	18.9	V	691
1997 HC_{17}		1997 04 30.33793	15 45 21.62	−13 47 38.5	18.9	V	691
1997 HC_{17}		1997 04 30.37961	15 45 19.83	−13 47 26.1	19.2	V	691
1997 HC_{17}		1997 05 09.36851	15 38 35.19	−13 01 42.3	18.6	V	691
1997 HC_{17}		1997 05 09.39031	15 38 34.04	−13 01 35.6	18.8	V	691
1997 HC_{17}		1997 05 10.34093	15 37 47.37	−12 56 49.3	18.5	V	691
1997 HC_{17}		1997 05 10.36244	15 37 46.23	−12 56 43.6	18.7	V	691
1997 HC_{17}		1997 05 10.38418	15 37 45.12	−12 56 36.0	18.5	V	691
1997 JD		1997 04 11.24355	11 52 52.37	−08 03 57.8	18.2	V	691
1997 JD		1997 04 11.26511	11 52 51.61	−08 03 48.5	18.4	V	691
1997 JD		1997 04 11.28667	11 52 50.84	−08 03 39.4	18.3	V	691
1997 JF	*	1997 05 02.24526	14 18 05.25	−03 28 13.5	20.2	V	691

1997 JF		1997 05 02.27304	14 18 03.77	−03 28 05.2	20.4 V	691
1997 JF		1997 05 02.32323	14 18 01.13	−03 27 50.6	20.4 V	691
1997 JF		1997 05 03.22810	14 17 14.95	−03 23 31.8	20.1 V	691
1997 JF		1997 05 03.24974	14 17 13.79	−03 23 25.7	20.1 V	691
1997 JF		1997 05 03.27157	14 17 12.65	−03 23 19.7	19.9 V	691
1997 JG	*	1997 05 02.24767	14 21 33.66	−03 34 41.2	18.6 V	691
1997 JG		1997 05 02.27544	14 21 32.21	−03 34 27.0	18.6 V	691
1997 JG		1997 05 02.32564	14 21 29.64	−03 34 00.4	19.0 V	691
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1997 JG		1997 05 03.25216	14 20 43.44	−03 25 48.2	18.6 V	691
1997 JG		1997 05 03.27399	14 20 42.31	−03 25 36.9	18.7 V	691
1997 JH	*	1997 05 02.25296	14 29 12.47	−03 28 40.7	20.4 V	691
1997 JH		1997 05 02.28074	14 29 11.24	−03 28 32.6	20.6 V	691
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1997 JH		1997 05 03.23589	14 28 29.73	−03 23 40.4	20.3 V	691
1997 JH		1997 05 03.25754	14 28 28.79	−03 23 34.3	20.3 V	691
1997 JH		1997 05 03.27937	14 28 27.78	−03 23 27.9	20.3 V	691
1997 JJ	*	1997 05 02.25784	14 36 14.94	−03 28 22.3	19.7 V	691
1997 JJ		1997 05 02.28561	14 36 13.31	−03 28 16.9	19.9 V	691
1997 JJ		1997 05 02.33581	14 36 10.33	−03 28 06.8	20.3 V	691
1997 JJ		1997 05 03.24061	14 35 18.68	−03 25 15.8	19.7 V	691
1997 JJ		1997 05 03.26225	14 35 17.40	−03 25 12.3	20.3 V	691
1997 JJ		1997 05 03.28408	14 35 16.10	−03 25 08.0	19.9 V	691
1997 JJ		1997 05 10.25519	14 28 45.90	−03 06 53.7	19.8 V	691
1997 JJ		1997 05 10.29662	14 28 43.57	−03 06 47.8	20.8 V	691
1997 JJ		1997 05 10.31848	14 28 42.35	−03 06 45.6	20.0 V	691
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1997 JK		1997 05 02.28659	14 37 38.23	−03 31 21.1	19.6 V	691
1997 JK		1997 05 02.33680	14 37 35.59	−03 30 54.0	19.4 V	691
1997 JK		1997 05 03.24166	14 36 50.16	−03 22 55.4	19.4 V	691
1997 JK		1997 05 03.26331	14 36 49.03	−03 22 44.3	19.3 V	691
1997 JK		1997 05 03.28514	14 36 47.89	−03 22 32.9	19.4 V	691
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1997 JL		1997 05 02.37643	15 27 10.46	−12 59 26.6	18.4 V	691
1997 JL		1997 05 02.40153	15 27 09.09	−12 59 21.5	18.5 V	691
1997 JL		1997 05 03.29503	15 26 22.02	−12 56 05.6	18.4 V	691
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1997 JL		1997 05 03.33909	15 26 19.59	−12 55 55.5	18.4 V	691
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1997 JM		1997 05 02.40226	15 28 12.24	−13 03 30.6	19.8 V	691
1997 JM		1997 05 03.29577	15 27 26.65	−12 57 46.0	20.5 V	691
1997 JM		1997 05 03.31794	15 27 25.48	−12 57 37.3	20.6 V	691
1997 JM		1997 05 03.33984	15 27 24.35	−12 57 28.8	20.5 V	691
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1997 JN		1997 05 02.38560	15 40 24.49	−13 00 42.4	19.4 V	691
1997 JN		1997 05 02.41070	15 40 22.98	−13 00 36.6	19.0 V	691
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1997 JN		1997 05 03.34819	15 39 27.99	−12 57 16.3	18.9 V	691
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1997 JO_2		1997 05 03.25539	14 25 23.31	−03 01 10.2	20.1 V	691
1997 JO_2		1997 05 03.27722	14 25 22.05	−03 01 05.8	20.2 V	691
1997 JO_2		1997 05 05.39954	14 23 22.32	−02 53 56.0	20.2 V	691
1997 JO_2		1997 05 05.40411	14 23 22.08	−02 53 55.1	20.4 V	691
1997 JO_2		1997 05 05.41255	14 23 21.57	−02 53 53.4	20.5 V	691
1997 JP_2	*	1997 05 03.23483	14 26 58.38	−02 59 26.7	20.5 V	691
1997 JP_2		1997 05 03.25648	14 26 57.37	−02 59 23.0	20.1 V	691
1997 JP_2		1997 05 03.27831	14 26 56.30	−02 59 19.4	20.1 V	691
1997 JP_2		1997 05 05.40069	14 25 17.58	−02 53 43.0	20.6 V	691
1997 JP_2		1997 05 05.40525	14 25 17.38	−02 53 42.2	21.1 V	691
1997 JP_2		1997 05 05.41370	14 25 16.97	−02 53 41.2	20.9 V	691
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1997 JQ_2		1997 05 03.27859	14 27 20.52	−03 04 27.2	20.8 V	691
1997 JQ_2		1997 05 05.40074	14 25 22.02	−02 50 12.6	21.2 V	691
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1997 JQ_2		1997 05 14.30837	14 17 31.83	−02 00 37.1	21.3 V	691
1997 JQ_2		1997 05 14.31618	14 17 31.43	−02 00 34.9	21.2 V	691
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1997 JA_3		1997 05 06.33518	16 05 11.42	−00 53 05.6	19.0 V	691
1997 JA_3		1997 05 06.35745	16 05 10.33	−00 53 00.0	18.9 V	691
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1997 JB_3		1997 05 01.46545	16 28 59.06	−01 00 18.6	19.0 V	691
1997 JB_3		1997 05 06.39451	16 26 13.14	−00 22 42.6	19.2 V	691
1997 JB_3		1997 05 06.41579	16 26 12.33	−00 22 33.1	19.1 V	691
1997 JB_3		1997 05 06.43706	16 26 11.55	−00 22 23.6	18.9 V	691
1997 JC_3	*	1997 05 03.15316	12 14 26.76	−02 32 13.6	20.5 V	691
1997 JC_3		1997 05 03.17544	12 14 26.20	−02 32 09.3	20.9 V	691
1997 JC_3		1997 05 03.19711	12 14 25.60	−02 32 05.2	20.9 V	691
1997 JC_3		1997 05 06.14465	12 13 17.45	−02 24 16.8	20.9 V	691
1997 JC_3		1997 05 06.16626	12 13 16.98	−02 24 14.0	20.5 V	691
1997 JC_3		1997 05 06.18732	12 13 16.46	−02 24 10.9	20.9 V	691
1997 JD_3	*	1997 05 03.15529	12 17 31.54	−02 33 24.8	19.4 V	691
1997 JD_3		1997 05 03.17757	12 17 31.00	−02 33 22.2	19.6 V	691
1997 JD_3		1997 05 03.19925	12 17 30.50	−02 33 19.3	19.6 V	691
1997 JD_3		1997 05 06.14687	12 16 29.21	−02 27 09.3	19.6 V	691
1997 JD_3		1997 05 06.16847	12 16 28.75	−02 27 06.9	19.8 V	691
1997 JD_3		1997 05 06.18953	12 16 28.31	−02 27 04.5	19.8 V	691
1997 JE_3	*	1997 05 03.15940	12 23 27.44	−02 34 54.5	21.2 V	691
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1997 JF_3		1997 05 06.15314	12 25 32.65	−02 21 40.9	20.3 V	691

1997 JF_3		1997 05 06.17474	12 25 32.10	−02 21 38.3	20.7 V	691
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1997 JG_3	*	1997 05 03.16839	12 36 25.80	−02 36 28.4	20.4 V	691
1997 JG_3		1997 05 03.19066	12 36 25.10	−02 36 24.2	20.3 V	691
1997 JG_3		1997 05 03.21234	12 36 24.44	−02 36 20.0	20.6 V	691
1997 JG_3		1997 05 06.15972	12 35 02.09	−02 27 46.3	20.8 V	691
1997 JG_3		1997 05 06.18132	12 35 01.50	−02 27 42.6	20.5 V	691
1997 JG_3		1997 05 06.20238	12 35 00.91	−02 27 39.2	20.4 V	691
1997 JH_3	*	1997 05 03.18133	12 22 56.59	−02 32 53.6	19.8 V	691
1997 JH_3		1997 05 03.20301	12 22 56.12	−02 32 47.0	20.2 V	691
1997 JH_3		1997 05 06.15068	12 21 59.37	−02 18 19.5	19.8 V	691
1997 JH_3		1997 05 06.17228	12 21 58.96	−02 18 12.8	20.0 V	691
1997 JH_3		1997 05 06.19335	12 21 58.56	−02 18 07.6	19.7 V	691
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1997 JJ_3		1997 05 05.28236	13 48 22.79	−12 32 01.7	19.3 V	691
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1997 JJ_3		1997 05 06.20885	13 47 37.42	−12 28 45.9	19.3 V	691
1997 JJ_3		1997 05 06.26315	13 47 34.62	−12 28 34.2	19.2 V	691
1997 JJ_3		1997 05 06.28610	13 47 33.46	−12 28 28.8	19.4 V	691
1997 JK_3	*	1997 05 05.26431	13 54 29.30	−12 32 28.3	20.8 V	691
1997 JK_3		1997 05 05.28657	13 54 27.95	−12 32 21.0	20.4 V	691
1997 JK_3		1997 05 05.30868	13 54 26.66	−12 32 13.6	20.5 V	691
1997 JK_3		1997 05 06.21279	13 53 36.05	−12 27 27.8	20.3 V	691
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1997 JL_3		1997 05 05.30938	13 55 27.54	−12 31 49.4	19.7 V	691
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1997 JM_3		1997 05 05.28888	13 57 47.94	−12 32 51.7	20.2 V	691
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1997 JM_3		1997 05 06.26956	13 57 08.16	−12 27 58.9	20.4 V	691
1997 JM_3		1997 05 06.29248	13 57 07.20	−12 27 52.0	20.2 V	691
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1997 JN_3		1997 05 06.21553	13 57 33.81	−12 26 51.6	20.0 V	691
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1997 JN_3		1997 05 06.29274	13 57 29.49	−12 26 26.6	20.0 V	691
1997 JO_3	*	1997 05 05.26754	13 59 09.00	−12 34 18.9	20.7 V	691
1997 JO_3		1997 05 05.28980	13 59 07.89	−12 34 12.8	21.3 V	691
1997 JO_3		1997 05 05.31191	13 59 06.80	−12 34 05.4	21.1 V	691
1997 JO_3		1997 05 06.21611	13 58 24.14	−12 29 42.2	20.3 V	691
1997 JO_3		1997 05 06.27041	13 58 21.52	−12 29 26.3	21.3 V	691
1997 JO_3		1997 05 06.29333	13 58 20.40	−12 29 20.1	21.0 V	691
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1997 JP_3		1997 05 05.29207	14 02 23.89	−12 32 42.6	20.6 V	691
1997 JP_3		1997 05 05.31418	14 02 22.94	−12 32 33.8	20.6 V	691
1997 JP_3		1997 05 06.21845	14 01 46.62	−12 26 52.7	20.5 V	691
1997 JP_3		1997 05 06.27275	14 01 44.32	−12 26 31.8	20.7 V	691
1997 JP_3		1997 05 06.29567	14 01 43.40	−12 26 23.6	20.5 V	691
1997 JZ_4	*	1997 05 08.15049	12 26 50.17	−03 00 18.8	20.2 V	691
1997 JZ_4		1997 05 08.17154	12 26 49.46	−03 00 15.7	20.3 V	691
1997 JZ_4		1997 05 08.19238	12 26 48.77	−03 00 12.7	20.6 V	691
1997 JZ_4		1997 05 09.15231	12 26 19.42	−02 57 50.5	20.8 V	691
1997 JZ_4		1997 05 09.17323	12 26 18.78	−02 57 47.6	20.7 V	691
1997 JZ_4		1997 05 09.19423	12 26 18.12	−02 57 44.9	20.7 V	691
1997 JA_5	*	1997 05 08.15293	12 30 21.29	−03 02 21.7	20.9 V	691
1997 JA_5		1997 05 08.17398	12 30 20.79	−03 02 16.9	20.7 V	691
1997 JA_5		1997 05 08.19483	12 30 20.35	−03 02 13.1	20.9 V	691
1997 JA_5		1997 05 09.15487	12 30 01.79	−02 59 06.9	20.8 V	691
1997 JA_5		1997 05 09.17580	12 30 01.32	−02 59 02.1	20.7 V	691
1997 JA_5		1997 05 09.19680	12 30 00.93	−02 58 58.8	20.7 V	691
1997 JB_5	*	1997 05 08.15636	12 35 18.44	−03 02 12.2	20.8 V	691
1997 JB_5		1997 05 08.17741	12 35 17.96	−03 02 06.5	20.7 V	691
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1997 JB_5		1997 05 09.17922	12 34 57.19	−02 57 28.6	20.6 V	691
1997 JB_5		1997 05 09.20022	12 34 56.73	−02 57 23.5	20.9 V	691
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1997 JC_5		1997 05 08.43639	16 07 22.15	−01 00 05.7	20.4 V	691
1997 JC_5		1997 05 08.45609	16 07 21.33	−00 59 59.4	20.4 V	691
1997 JC_5		1997 05 09.40319	16 06 42.63	−00 54 56.0	20.3 V	691
1997 JC_5		1997 05 09.42612	16 06 41.67	−00 54 49.2	20.5 V	691
1997 JC_5		1997 05 09.44903	16 06 40.68	−00 54 41.9	20.0 V	691
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1997 JD_5		1997 05 08.46122	16 14 45.34	−01 00 33.0	20.0 V	691
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1997 JD_5		1997 05 09.43122	16 14 04.09	−00 52 59.8	19.9 V	691
1997 JD_5		1997 05 09.45413	16 14 03.07	−00 52 49.1	19.6 V	691
1997 JE_5	*	1997 05 08.42366	16 17 18.92	−01 02 58.5	21.5 V	691
1997 JE_5		1997 05 08.44326	16 17 17.82	−01 02 50.1	21.8 V	691
1997 JE_5		1997 05 08.46297	16 17 17.13	−01 02 46.8	21.6 V	691
1997 JE_5		1997 05 09.41001	16 16 33.63	−00 58 02.7	21.2 V	691
1997 JE_5		1997 05 09.43294	16 16 32.58	−00 57 55.7	21.2 V	691
1997 JE_5		1997 05 09.45585	16 16 31.49	−00 57 49.3	21.0 V	691
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1997 JF_5		1997 05 01.28910	14 19 06.68	−04 34 06.6	20.3 V	691
1997 JF_5		1997 05 09.27236	14 12 30.96	−04 11 44.4	20.7 V	691
1997 JF_5		1997 05 09.29348	14 12 29.93	−04 11 40.8	20.9 V	691
1997 JF_5		1997 05 09.31468	14 12 28.93	−04 11 38.8	20.9 V	691
1997 JG_5	*	1997 05 01.24303	14 25 02.56	−04 59 25.7	20.2 V	691
1997 JG_5		1997 05 01.26478	14 25 01.42	−04 59 21.7	20.2 V	691
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1997 JG_5		1997 05 09.21068	14 18 19.66	−04 41 58.7	20.8 V	691
1997 JG_5		1997 05 09.23165	14 18 18.58	−04 41 56.3	20.6 V	691
1997 JG_5		1997 05 09.25312	14 18 17.51	−04 41 54.1	20.8 V	691
1997 JH_5	*	1997 05 01.24441	14 27 02.10	−04 34 31.3	20.0 V	691

1997 JH_5		1997 05 01.26616	14 27 01.02	−04 34 28.9	19.8	V	691
1997 JH_5		1997 05 01.29455	14 26 59.57	−04 34 26.4	20.4	V	691
1997 JH_5		1997 05 09.27788	14 20 29.08	−04 24 24.3	20.4	V	691
1997 JH_5		1997 05 09.29900	14 20 28.02	−04 24 23.0	20.2	V	691
1997 JH_5		1997 05 09.32020	14 20 26.96	−04 24 22.0	20.4	V	691
1997 JJ_5	*	1997 05 01.24484	14 27 39.65	−04 37 57.5	19.5	V	691
1997 JJ_5		1997 05 01.26660	14 27 38.45	−04 37 56.6	19.5	V	691
1997 JJ_5		1997 05 01.29499	14 27 36.90	−04 37 56.3	19.8	V	691
1997 JJ_5		1997 05 09.21233	14 20 43.32	−04 37 19.8	19.9	V	691
1997 JJ_5		1997 05 09.23331	14 20 42.23	−04 37 20.4	19.9	V	691
1997 JJ_5		1997 05 09.25478	14 20 41.08	−04 37 21.3	20.0	V	691
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1997 JK_5		1997 05 09.27769	14 20 12.44	−04 23 54.7	20.3	V	691
1997 JK_5		1997 05 09.29880	14 20 11.11	−04 23 52.4	20.5	V	691
1997 JK_5		1997 05 09.32000	14 20 09.74	−04 23 51.7	20.7	V	691
1997 JL_5	*	1997 05 01.24592	14 29 13.44	−04 58 11.7	18.4	V	691
1997 JL_5		1997 05 01.26768	14 29 12.46	−04 58 01.7	18.3	V	691
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1997 JL_5		1997 05 09.28021	14 23 50.63	−04 03 46.7	18.8	V	691
1997 JL_5		1997 05 09.30133	14 23 49.75	−04 03 39.8	18.8	V	691
1997 JL_5		1997 05 09.32253	14 23 48.88	−04 03 31.7	18.8	V	691
1997 JL_5		1997 05 10.18748	14 23 17.36	−03 58 37.2	19.1	V	691
1997 JL_5		1997 05 10.20851	14 23 16.56	−03 58 30.2	18.6	V	691
1997 JL_5		1997 05 10.22952	14 23 15.68	−03 58 23.2	18.7	V	691
1997 JM_5	*	1997 05 01.24906	14 33 45.36	−04 56 41.7	17.5	V	691
1997 JM_5		1997 05 01.27082	14 33 43.92	−04 56 38.0	17.6	V	691
1997 JM_5		1997 05 01.29920	14 33 42.07	−04 56 33.2	17.8	V	691
1997 JM_5		1997 05 09.21567	14 25 32.35	−04 38 16.6	17.8	V	691
1997 JM_5		1997 05 09.23664	14 25 31.02	−04 38 14.3	17.7	V	691
1997 JM_5		1997 05 09.25811	14 25 29.68	−04 38 12.0	17.8	V	691
1997 JN_5	*	1997 05 01.24989	14 34 56.91	−04 57 12.6	20.3	V	691
1997 JN_5		1997 05 01.27165	14 34 55.76	−04 57 06.5	20.4	V	691
1997 JN_5		1997 05 01.30003	14 34 54.27	−04 56 58.3	20.6	V	691
1997 JN_5		1997 05 09.28325	14 28 14.16	−04 23 14.3	21.0	V	691
1997 JN_5		1997 05 09.30436	14 28 13.07	−04 23 09.7	21.3	V	691
1997 JN_5		1997 05 09.32557	14 28 11.99	−04 23 04.5	21.3	V	691
1997 JO_5	*	1997 05 01.25051	14 35 50.68	−04 58 25.8	17.4	V	691
1997 JO_5		1997 05 01.27226	14 35 49.40	−04 58 20.5	17.5	V	691
1997 JO_5		1997 05 01.30065	14 35 47.77	−04 58 13.9	17.7	V	691
1997 JO_5		1997 05 09.21791	14 28 46.61	−04 30 54.1	17.7	V	691
1997 JO_5		1997 05 09.23889	14 28 45.48	−04 30 50.4	17.8	V	691
1997 JO_5		1997 05 09.26036	14 28 44.31	−04 30 47.2	17.8	V	691
1997 JP_5	*	1997 05 01.25100	14 36 32.86	−04 35 20.9	19.8	V	691
1997 JP_5		1997 05 01.27275	14 36 31.43	−04 35 21.0	19.7	V	691
1997 JP_5		1997 05 01.30114	14 36 29.59	−04 35 22.1	20.1	V	691
1997 JP_5		1997 05 09.21754	14 28 13.90	−04 40 35.4	20.1	V	691
1997 JP_5		1997 05 09.23851	14 28 12.55	−04 40 37.1	20.3	V	691
1997 JP_5		1997 05 09.25998	14 28 11.18	−04 40 39.0	19.9	V	691
1997 JQ_5	*	1997 05 01.26616	14 27 00.60	−04 42 37.1	20.9	V	691
1997 JQ_5		1997 05 01.29455	14 26 59.28	−04 42 29.3	21.8	V	691
1997 JQ_5		1997 05 09.27829	14 21 04.74	−04 10 36.0	21.2	V	691
1997 JQ_5		1997 05 09.29941	14 21 03.80	−04 10 31.2	20.9	V	691
1997 JQ_5		1997 05 09.32061	14 21 02.84	−04 10 26.8	21.0	V	691
1997 JR_5	*	1997 05 01.40135	16 11 43.91	−01 17 26.0	20.6	V	691
1997 JR_5		1997 05 01.42270	16 11 42.93	−01 17 21.9	20.9	V	691
1997 JR_5		1997 05 01.45348	16 11 41.41	−01 17 18.1	20.0	V	691
1997 JR_5		1997 05 08.41583	16 05 51.71	−01 03 19.6	20.1	V	691
1997 JR_5		1997 05 08.43544	16 05 50.63	−01 03 18.3	20.1	V	691
1997 JR_5		1997 05 08.45515	16 05 49.51	−01 03 16.3	19.9	V	691
1997 JS_5	*	1997 05 02.25583	14 33 21.17	−03 49 44.7	19.2	V	691
1997 JS_5		1997 05 02.28360	14 33 19.17	−03 49 49.3	19.2	V	691
1997 JS_5		1997 05 02.33379	14 33 15.48	−03 49 54.4	19.5	V	691
1997 JS_5		1997 05 09.28100	14 24 59.11	−04 07 10.3	19.3	V	691
1997 JS_5		1997 05 09.30211	14 24 57.59	−04 07 14.2	19.5	V	691
1997 JS_5		1997 05 09.32330	14 24 56.06	−04 07 17.4	19.4	V	691
1997 JT_5	*	1997 05 02.35378	15 32 51.55	−12 59 24.7	19.6	V	691
1997 JT_5		1997 05 02.38035	15 32 50.08	−12 59 26.2	19.6	V	691
1997 JT_5		1997 05 02.40545	15 32 48.71	−12 59 27.6	19.5	V	691
1997 JT_5		1997 05 09.33828	15 26 30.38	−13 06 30.7	19.5	V	691
1997 JT_5		1997 05 09.36013	15 26 29.12	−13 06 30.7	19.4	V	691
1997 JT_5		1997 05 09.38193	15 26 27.89	−13 06 32.3	19.7	V	691
1997 JU_5	*	1997 05 02.35886	15 40 11.59	−13 07 15.9	18.9	V	691
1997 JU_5		1997 05 02.38544	15 40 10.41	−13 07 05.5	18.9	V	691
1997 JU_5		1997 05 02.41054	15 40 09.30	−13 06 55.0	18.9	V	691
1997 JU_5		1997 05 08.35658	15 35 42.95	−12 26 28.4	19.2	V	691
1997 JU_5		1997 05 08.37795	15 35 41.90	−12 26 20.0	19.0	V	691
1997 JU_5		1997 05 08.39953	15 35 40.73	−12 26 11.8	18.6	V	691
1997 JV_5	*	1997 05 02.35907	15 40 30.58	−13 30 36.6	20.7	V	691
1997 JV_5		1997 05 02.38565	15 40 29.39	−13 30 31.5	20.6	V	691
1997 JV_5		1997 05 02.41076	15 40 28.26	−13 30 25.0	20.9	V	691
1997 JV_5		1997 05 09.34428	15 35 10.33	−13 03 43.5	20.5	V	691
1997 JV_5		1997 05 09.36614	15 35 09.28	−13 03 38.5	20.4	V	691
1997 JV_5		1997 05 09.38794	15 35 08.20	−13 03 33.6	20.5	V	691
1997 JW_5	*	1997 05 02.39084	15 47 58.59	−13 15 24.1	21.3	V	691
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1997 JW_5		1997 05 09.34905	15 42 02.93	−13 01 18.8	21.0	V	691
1997 JW_5		1997 05 09.37090	15 42 01.72	−13 01 16.3	20.8	V	691
1997 JW_5		1997 05 09.39270	15 42 00.53	−13 01 13.3	20.6	V	691
1997 JX_5	*	1997 05 03.15692	12 19 52.37	−02 44 33.5	20.7	V	691
1997 JX_5		1997 05 03.17920	12 19 51.72	−02 44 33.9	21.1	V	691
1997 JX_5		1997 05 03.20087	12 19 51.09	−02 44 33.6	20.8	V	691
1997 JX_5		1997 05 09.14615	12 17 26.36	−02 46 37.5	21.4	V	691
1997 JX_5		1997 05 09.16708	12 17 25.90	−02 46 38.4	20.9	V	691
1997 JX_5		1997 05 09.18808	12 17 25.42	−02 46 38.9	21.2	V	691
1997 JY_5	*	1997 05 03.15756	12 20 48.21	−02 36 17.4	20.4	V	691
1997 JY_5		1997 05 03.17984	12 20 47.58	−02 36 20.2	20.5	V	691
1997 JY_5		1997 05 03.20152	12 20 46.95	−02 36 22.6	20.8	V	691
1997 JY_5		1997 05 09.14712	12 18 50.47	−02 50 56.6	20.6	V	691
1997 JY_5		1997 05 09.16805	12 18 50.13	−02 51 00.6	20.5	V	691
1997 JY_5		1997 05 09.18906	12 18 49.81	−02 51 04.3	20.6	V	691
1997 JZ_5	*	1997 05 03.16714	12 34 37.88	−02 40 24.3	20.6	V	691
1997 JZ_5		1997 05 03.18942	12 34 37.14	−02 40 22.1	20.5	V	691

1997 JZ_5		1997 05 03.21109	12 34 36.50	−02 40 19.9	20.5 V	691
1997 JZ_5		1997 05 09.15619	12 31 56.23	−02 32 47.0	20.9 V	691
1997 JZ_5		1997 05 09.17712	12 31 55.72	−02 32 46.1	20.8 V	691
1997 JZ_5		1997 05 09.19812	12 31 55.18	−02 32 44.7	20.8 V	691
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1997 JA_6		1997 05 03.31821	15 27 48.67	−12 56 33.1	19.9 V	691
1997 JA_6		1997 05 03.34011	15 27 47.56	−12 56 25.1	20.0 V	691
1997 JA_6		1997 05 08.34834	15 23 30.09	−12 26 55.1	20.1 V	691
1997 JA_6		1997 05 08.36975	15 23 28.93	−12 26 47.2	20.2 V	691
1997 JA_6		1997 05 08.39133	15 23 27.77	−12 26 39.7	20.5 V	691
1997 JB_6	*	1997 05 03.29768	15 30 12.11	−12 28 09.3	20.0 V	691
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1997 JB_6		1997 05 08.35023	15 26 32.80	−12 03 17.7	20.0 V	691
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1997 JC_6		1997 05 03.34533	15 35 20.21	−12 40 33.0	20.8 V	691
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1997 JC_6		1997 05 08.39569	15 30 07.88	−12 25 17.3	21.0 V	691
1997 JD_6	*	1997 05 03.30143	15 35 36.61	−12 33 13.9	20.6 V	691
1997 JD_6		1997 05 03.32360	15 35 35.40	−12 33 10.0	20.5 V	691
1997 JD_6		1997 05 03.34550	15 35 34.23	−12 33 06.6	20.9 V	691
1997 JD_6		1997 05 08.35338	15 31 06.13	−12 19 24.6	20.8 V	691
1997 JD_6		1997 05 08.37475	15 31 04.88	−12 19 21.2	20.4 V	691
1997 JD_6		1997 05 08.39633	15 31 03.64	−12 19 17.6	20.7 V	691
1997 JE_6	*	1997 05 03.30144	15 35 37.14	−12 38 43.8	19.5 V	691
1997 JE_6		1997 05 03.32360	15 35 35.98	−12 38 38.8	19.7 V	691
1997 JE_6		1997 05 03.34550	15 35 34.82	−12 38 34.3	20.3 V	691
1997 JE_6		1997 05 08.35347	15 31 13.79	−12 20 33.7	19.6 V	691
1997 JE_6		1997 05 08.37484	15 31 12.60	−12 20 29.4	19.5 V	691
1997 JE_6		1997 05 08.39642	15 31 11.41	−12 20 24.6	20.2 V	691
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1997 JF_6		1997 05 03.32497	15 37 34.28	−12 51 07.4	19.0 V	691
1997 JF_6		1997 05 03.34687	15 37 33.28	−12 50 58.5	19.0 V	691
1997 JF_6		1997 05 08.35530	15 33 52.11	−12 16 57.9	18.8 V	691
1997 JF_6		1997 05 08.37667	15 33 51.12	−12 16 49.5	18.7 V	691
1997 JF_6		1997 05 08.39825	15 33 50.10	−12 16 40.6	18.6 V	691
1997 JG_6	*	1997 05 03.30312	15 38 03.30	−12 37 00.6	19.9 V	691
1997 JG_6		1997 05 03.32529	15 38 02.12	−12 36 55.9	19.7 V	691
1997 JG_6		1997 05 03.34719	15 38 00.95	−12 36 51.1	19.7 V	691
1997 JG_6		1997 05 08.35516	15 33 40.40	−12 19 31.4	19.9 V	691
1997 JG_6		1997 05 08.37653	15 33 39.22	−12 19 27.3	19.8 V	691
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1997 JJ_6		1997 05 03.32765	15 41 26.40	−12 47 24.9	19.2 V	691
1997 JJ_6		1997 05 03.34955	15 41 25.33	−12 47 16.5	19.3 V	691
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1997 JJ_6		1997 05 08.37911	15 37 22.37	−12 15 53.5	19.7 V	691
1997 JJ_6		1997 05 08.40069	15 37 21.22	−12 15 45.0	19.3 V	691
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1997 JK_6		1997 05 08.35658	15 35 43.27	−12 01 39.9	19.4 V	691
1997 JK_6		1997 05 08.37795	15 35 41.96	−12 01 32.2	19.3 V	691
1997 JK_6		1997 05 08.39953	15 35 40.67	−12 01 24.3	19.2 V	691
1997 JL_6	*	1997 05 05.19212	12 15 37.92	−03 32 33.3	20.0 V	691
1997 JL_6		1997 05 05.21526	12 15 37.25	−03 32 27.6	20.1 V	691
1997 JL_6		1997 05 05.23720	12 15 36.61	−03 32 22.2	20.2 V	691
1997 JL_6		1997 05 08.14186	12 14 22.82	−03 20 07.3	20.2 V	691
1997 JL_6		1997 05 08.16291	12 14 22.30	−03 20 02.0	20.2 V	691
1997 JL_6		1997 05 08.18376	12 14 21.76	−03 19 57.2	20.2 V	691
1997 JM_6	*	1997 05 05.19545	12 20 26.01	−03 42 57.3	18.7 V	691
1997 JM_6		1997 05 05.21859	12 20 25.71	−03 42 48.0	19.0 V	691
1997 JM_6		1997 05 05.24054	12 20 25.42	−03 42 39.2	19.0 V	691
1997 JM_6		1997 05 08.14576	12 20 00.48	−03 23 31.3	19.0 V	691
1997 JM_6		1997 05 08.16682	12 20 00.33	−03 23 23.1	19.1 V	691
1997 JM_6		1997 05 08.18767	12 20 00.15	−03 23 15.6	19.2 V	691
1997 JN_6	*	1997 05 05.19578	12 20 54.79	−03 31 11.6	21.1 V	691
1997 JN_6		1997 05 05.21892	12 20 54.29	−03 31 08.4	21.2 V	691
1997 JN_6		1997 05 05.24087	12 20 53.82	−03 31 04.9	21.1 V	691
1997 JN_6		1997 05 08.14584	12 20 07.30	−03 23 56.0	21.5 V	691
1997 JN_6		1997 05 08.16689	12 20 06.98	−03 23 53.2	21.4 V	691
1997 JN_6		1997 05 08.18774	12 20 06.62	−03 23 50.3	21.2 V	691
1997 JO_6	*	1997 05 05.19864	12 25 02.44	−03 31 16.5	20.2 V	691
1997 JO_6		1997 05 05.22178	12 25 01.73	−03 31 10.5	20.4 V	691
1997 JO_6		1997 05 05.24372	12 25 01.12	−03 31 04.0	20.6 V	691
1997 JO_6		1997 05 08.14838	12 23 47.72	−03 18 01.8	20.5 V	691
1997 JO_6		1997 05 08.16944	12 23 47.20	−03 17 56.5	20.7 V	691
1997 JO_6		1997 05 08.19028	12 23 46.69	−03 17 50.8	20.7 V	691
1997 JP_6	*	1997 05 05.20109	12 28 34.63	−03 33 20.6	17.4 V	691
1997 JP_6		1997 05 05.22424	12 28 34.54	−03 33 14.4	17.4 V	691
1997 JP_6		1997 05 05.24618	12 28 34.44	−03 33 09.2	17.4 V	691
1997 JP_6		1997 05 08.15173	12 28 37.85	−03 22 01.2	17.4 V	691
1997 JP_6		1997 05 08.17279	12 28 37.88	−03 21 56.8	17.4 V	691
1997 JP_6		1997 05 08.19364	12 28 37.91	−03 21 52.4	17.4 V	691
1997 JQ_6	*	1997 05 05.20144	12 29 05.11	−03 33 39.0	20.8 V	691
1997 JQ_6		1997 05 05.22458	12 29 04.44	−03 33 33.6	21.2 V	691
1997 JQ_6		1997 05 05.24652	12 29 03.79	−03 33 29.1	21.4 V	691
1997 JQ_6		1997 05 08.15119	12 27 51.00	−03 23 54.4	21.5 V	691
1997 JQ_6		1997 05 08.17224	12 27 50.51	−03 23 50.8	21.4 V	691
1997 JQ_6		1997 05 08.19309	12 27 49.98	−03 23 47.1	21.1 V	691
1997 JR_6	*	1997 05 05.20207	12 29 59.55	−03 34 14.0	20.7 V	691
1997 JR_6		1997 05 05.22521	12 29 58.96	−03 34 06.7	20.7 V	691
1997 JR_6		1997 05 05.24715	12 29 58.43	−03 33 59.8	21.0 V	691
1997 JR_6		1997 05 08.15193	12 28 55.14	−03 19 31.7	20.9 V	691
1997 JR_6		1997 05 08.17299	12 28 54.72	−03 19 25.8	20.9 V	691

1997 JR_6		1997 05 08.19383	12 28 54.27	−03 19 19.7	21.1	V	691
1997 JS_6	*	1997 05 05.20666	12 36 37.31	−03 42 12.5	21.0	V	691
1997 JS_6		1997 05 05.22980	12 36 36.78	−03 42 04.4	21.0	V	691
1997 JS_6		1997 05 05.25175	12 36 36.29	−03 41 56.1	21.2	V	691
1997 JS_6		1997 05 08.15661	12 35 39.78	−03 25 21.0	21.0	V	691
1997 JS_6		1997 05 08.17766	12 35 39.39	−03 25 14.0	21.1	V	691
1997 JS_6		1997 05 08.19850	12 35 39.03	−03 25 06.9	21.2	V	691
1997 JT_6	*	1997 05 05.20681	12 36 49.83	−03 37 44.6	20.7	V	691
1997 JT_6		1997 05 05.22994	12 36 49.05	−03 37 38.8	21.1	V	691
1997 JT_6		1997 05 05.25188	12 36 48.28	−03 37 33.7	21.1	V	691
1997 JT_6		1997 05 08.15638	12 35 19.87	−03 26 51.3	21.4	V	691
1997 JT_6		1997 05 08.17743	12 35 19.26	−03 26 47.1	21.2	V	691
1997 JT_6		1997 05 08.19827	12 35 18.63	−03 26 42.8	21.0	V	691
1997 JU_6	*	1997 05 05.33667	15 32 00.86	−13 35 08.0	20.3	V	691
1997 JU_6		1997 05 05.35889	15 31 59.70	−13 35 06.2	20.1	V	691
1997 JU_6		1997 05 05.38129	15 31 58.51	−13 35 04.7	20.2	V	691
1997 JU_6		1997 05 09.33971	15 28 33.94	−13 30 00.2	20.2	V	691
1997 JU_6		1997 05 09.36156	15 28 32.76	−13 29 57.8	19.9	V	691
1997 JU_6		1997 05 09.38336	15 28 31.57	−13 29 56.5	20.2	V	691
1997 JV_6	*	1997 05 05.33825	15 34 18.42	−13 34 03.9	21.3	V	691
1997 JV_6		1997 05 05.36048	15 34 17.32	−13 34 03.0	20.9	V	691
1997 JV_6		1997 05 05.38288	15 34 16.20	−13 34 00.2	21.4	V	691
1997 JV_6		1997 05 09.34146	15 31 06.04	−13 28 37.2	21.1	V	691
1997 JV_6		1997 05 09.36331	15 31 04.93	−13 28 34.5	21.0	V	691
1997 JV_6		1997 05 09.38512	15 31 03.85	−13 28 32.8	21.0	V	691
1997 JW_6	*	1997 05 05.33865	15 34 53.10	−13 39 44.6	17.8	V	691
1997 JW_6		1997 05 05.38328	15 34 50.56	−13 39 28.0	17.9	V	691
1997 JW_6		1997 05 09.34152	15 31 10.57	−13 14 47.1	17.6	V	691
1997 JW_6		1997 05 09.36336	15 31 09.29	−13 14 38.5	17.7	V	691
1997 JW_6		1997 05 09.38516	15 31 07.93	−13 14 30.9	17.4	V	691
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1997 JX_6		1997 05 05.36150	15 35 45.90	−13 35 32.8	20.4	V	691
1997 JX_6		1997 05 05.38390	15 35 44.70	−13 35 29.1	20.4	V	691
1997 JX_6		1997 05 09.34220	15 32 09.65	−13 25 40.3	20.6	V	691
1997 JX_6		1997 05 09.36405	15 32 08.42	−13 25 36.9	20.6	V	691
1997 JX_6		1997 05 09.38585	15 32 07.17	−13 25 33.5	20.6	V	691
1997 JY_6	*	1997 05 05.33968	15 36 22.02	−13 47 39.7	20.9	V	691
1997 JY_6		1997 05 05.36191	15 36 20.99	−13 47 32.8	19.3	V	691
1997 JY_6		1997 05 05.38431	15 36 19.89	−13 47 24.3	19.5	V	691
1997 JY_6		1997 05 09.34299	15 33 18.51	−13 22 40.0	19.7	V	691
1997 JY_6		1997 05 09.36484	15 33 17.44	−13 22 31.9	19.8	V	691
1997 JY_6		1997 05 09.38665	15 33 16.39	−13 22 23.7	19.3	V	691
1997 JZ_6	*	1997 05 05.34024	15 37 10.34	−13 47 06.8	20.5	V	691
1997 JZ_6		1997 05 05.36246	15 37 09.30	−13 46 56.6	19.9	V	691
1997 JZ_6		1997 05 05.38487	15 37 08.22	−13 46 47.0	20.4	V	691
1997 JZ_6		1997 05 09.34357	15 34 08.84	−13 17 30.1	20.6	V	691
1997 JZ_6		1997 05 09.36542	15 34 07.74	−13 17 20.5	20.7	V	691
1997 JZ_6		1997 05 09.38723	15 34 06.65	−13 17 11.0	20.7	V	691
1997 JA_7	*	1997 05 05.34084	15 38 02.23	−13 38 58.2	21.1	V	691
1997 JA_7		1997 05 05.36306	15 38 01.01	−13 38 54.9	21.5	V	691
1997 JA_7		1997 05 05.38546	15 37 59.80	−13 38 51.1	21.5	V	691
1997 JA_7		1997 05 09.34379	15 34 27.10	−13 28 19.1	21.2	V	691
1997 JA_7		1997 05 09.36563	15 34 25.84	−13 28 15.7	20.8	V	691
1997 JA_7		1997 05 09.38743	15 34 24.63	−13 28 12.4	21.2	V	691
1997 JB_7	*	1997 05 05.34144	15 38 54.83	−13 37 38.6	21.0	V	691
1997 JB_7		1997 05 05.36367	15 38 53.75	−13 37 35.9	21.5	V	691
1997 JB_7		1997 05 05.38607	15 38 52.68	−13 37 33.1	21.3	V	691
1997 JB_7		1997 05 09.34468	15 35 44.20	−13 28 49.7	20.5	V	691
1997 JB_7		1997 05 09.36653	15 35 43.16	−13 28 47.1	21.3	V	691
1997 JB_7		1997 05 09.38833	15 35 42.10	−13 28 44.3	21.4	V	691
1997 JC_7	*	1997 05 05.34248	15 40 24.33	−13 53 17.6	20.3	V	691
1997 JC_7		1997 05 05.36470	15 40 23.10	−13 53 09.3	20.2	V	691
1997 JC_7		1997 05 05.38710	15 40 21.86	−13 53 00.7	20.1	V	691
1997 JC_7		1997 05 09.34539	15 36 46.40	−13 27 59.7	19.9	V	691
1997 JC_7		1997 05 09.36724	15 36 45.16	−13 27 51.7	20.2	V	691
1997 JC_7		1997 05 09.38904	15 36 43.89	−13 27 43.8	20.1	V	691
1997 JD_7	*	1997 05 05.34318	15 41 24.89	−13 38 38.3	20.8	V	691
1997 JD_7		1997 05 05.36540	15 41 23.45	−13 38 35.2	20.9	V	691
1997 JD_7		1997 05 05.38780	15 41 21.99	−13 38 32.6	20.6	V	691
1997 JD_7		1997 05 09.34570	15 37 12.72	−13 30 25.2	20.5	V	691
1997 JD_7		1997 05 09.36754	15 37 11.29	−13 30 22.4	20.6	V	691
1997 JD_7		1997 05 09.38934	15 37 09.81	−13 30 19.6	20.6	V	691
1997 JE_7	*	1997 05 05.34389	15 42 27.04	−13 43 40.9	20.4	V	691
1997 JE_7		1997 05 05.36612	15 42 25.86	−13 43 30.9	20.0	V	691
1997 JE_7		1997 05 05.38852	15 42 24.65	−13 43 21.7	20.2	V	691
1997 JE_7		1997 05 09.34692	15 38 58.27	−13 15 03.9	19.9	V	691
1997 JE_7		1997 05 09.36876	15 38 57.06	−13 14 54.8	20.2	V	691
1997 JE_7		1997 05 09.39056	15 38 55.83	−13 14 45.9	20.0	V	691
1997 JF_7	*	1997 05 05.34468	15 43 35.10	−13 33 50.4	21.0	V	691
1997 JF_7		1997 05 05.36691	15 43 34.42	−13 33 44.7	21.2	V	691
1997 JF_7		1997 05 05.38932	15 43 33.71	−13 33 37.9	21.0	V	691
1997 JF_7		1997 05 09.34872	15 41 34.27	−13 14 40.6	21.0	V	691
1997 JF_7		1997 05 09.37057	15 41 33.61	−13 14 34.5	21.0	V	691
1997 JF_7		1997 05 09.39238	15 41 32.91	−13 14 28.1	21.1	V	691
1997 JG_7	*	1997 05 05.34726	15 47 18.21	−13 43 36.7	21.0	V	691
1997 JG_7		1997 05 05.36948	15 47 17.07	−13 43 32.1	22.2	V	691
1997 JG_7		1997 05 05.39188	15 47 15.96	−13 43 27.1	21.3	V	691
1997 JG_7		1997 05 09.35038	15 43 58.53	−13 28 40.2	20.5	V	691
1997 JG_7		1997 05 09.37223	15 43 57.37	−13 28 34.0	21.5	V	691
1997 JG_7		1997 05 09.39403	15 43 56.23	−13 28 30.4	21.3	V	691
1997 JH_7	*	1997 05 05.34760	15 47 47.79	−13 37 07.3	19.7	V	691
1997 JH_7		1997 05 05.36982	15 47 46.72	−13 37 04.3	20.1	V	691
1997 JH_7		1997 05 05.39223	15 47 45.66	−13 37 01.3	19.8	V	691
1997 JH_7		1997 05 09.35084	15 44 38.30	−13 27 56.0	19.2	V	691
1997 JH_7		1997 05 09.37269	15 44 37.22	−13 27 53.3	19.5	V	691
1997 JH_7		1997 05 09.39449	15 44 36.15	−13 27 50.5	19.4	V	691
1997 JJ_7	*	1997 05 05.42221	16 10 03.08	−01 45 31.7	20.3	V	691
1997 JJ_7		1997 05 05.44339	16 10 02.22	−01 45 18.4	20.6	V	691
1997 JJ_7		1997 05 05.46446	16 10 01.39	−01 45 05.2	20.7	V	691
1997 JJ_7		1997 05 08.41726	16 08 04.61	−01 14 33.0	20.3	V	691
1997 JJ_7		1997 05 08.43687	16 08 03.82	−01 14 21.4	20.4	V	691
1997 JJ_7		1997 05 08.45657	16 08 02.99	−01 14 09.0	20.8	V	691
1997 JK_7	*	1997 05 06.22209	14 07 01.72	−12 11 37.6	20.6	V	691
1997 JK_7		1997 05 06.27638	14 06 59.05	−12 11 07.9	20.5	V	691

1997 JK_7		1997 05 06.29930	14 06 57.88	−12 10 55.9	20.6	V	691
1997 JK_7		1997 05 08.21596	14 05 27.85	−11 53 28.3	20.5	V	691
1997 JK_7		1997 05 08.23739	14 05 26.80	−11 53 17.4	20.8	V	691
1997 JK_7		1997 05 08.25874	14 05 25.77	−11 53 05.3	21.2	V	691
1997 JK_7		1997 05 14.25734	14 01 04.76	−11 00 52.2	20.8	V	691
1997 JK_7		1997 05 14.26293	14 01 04.53	−11 00 49.3	20.8	V	691
1997 JK_7		1997 05 14.27215	14 01 04.10	−11 00 44.3	20.8	V	691
1997 JL_7	*	1997 05 06.22223	14 07 13.64	−12 01 14.2	20.7	V	691
1997 JL_7		1997 05 06.27651	14 07 10.03	−12 01 04.3	20.6	V	691
1997 JL_7		1997 05 06.29943	14 07 08.54	−12 01 00.9	20.7	V	691
1997 JL_7		1997 05 08.21575	14 05 09.45	−11 55 13.2	20.7	V	691
1997 JL_7		1997 05 08.23717	14 05 08.07	−11 55 09.6	21.0	V	691
1997 JL_7		1997 05 08.25852	14 05 06.69	−11 55 05.8	21.5	V	691
1997 JM_7	*	1997 05 06.22358	14 09 10.79	−12 05 01.5	19.6	V	691
1997 JM_7		1997 05 06.27787	14 09 07.49	−12 04 33.8	19.4	V	691
1997 JM_7		1997 05 06.30078	14 09 06.05	−12 04 22.9	19.6	V	691
1997 JM_7		1997 05 08.21720	14 07 14.78	−11 48 08.9	19.8	V	691
1997 JM_7		1997 05 08.23862	14 07 13.51	−11 47 58.1	19.7	V	691
1997 JM_7		1997 05 08.25997	14 07 12.22	−11 47 46.8	19.8	V	691
1997 JN_7	*	1997 05 06.22498	14 11 11.97	−12 04 57.5	19.5	V	691
1997 JN_7		1997 05 06.27928	14 11 09.52	−12 04 43.1	18.9	V	691
1997 JN_7		1997 05 06.30220	14 11 08.44	−12 04 38.1	19.4	V	691
1997 JN_7		1997 05 08.21892	14 09 44.24	−11 56 18.3	20.4	V	691
1997 JN_7		1997 05 08.24035	14 09 43.28	−11 56 14.3	19.3	V	691
1997 JN_7		1997 05 08.26170	14 09 42.33	−11 56 08.7	19.9	V	691
1997 JO_7	*	1997 05 06.26621	13 52 17.47	−12 03 18.0	21.9	V	691
1997 JO_7		1997 05 06.28913	13 52 16.38	−12 03 07.8	21.0	V	691
1997 JO_7		1997 05 08.20584	13 50 50.58	−11 50 53.0	21.6	V	691
1997 JO_7		1997 05 08.22726	13 50 49.60	−11 50 43.6	21.6	V	691
1997 JO_7		1997 05 08.24861	13 50 48.63	−11 50 36.1	21.6	V	691
1997 JP_7	*	1997 05 06.31591	16 09 58.20	−00 49 06.3	20.7	V	691
1997 JP_7		1997 05 06.33816	16 09 57.11	−00 49 04.3	21.1	V	691
1997 JP_7		1997 05 06.36042	16 09 55.99	−00 49 02.5	21.4	V	691
1997 JP_7		1997 05 09.40369	16 07 26.31	−00 45 30.6	21.0	V	691
1997 JP_7		1997 05 09.42662	16 07 25.13	−00 45 29.5	21.0	V	691
1997 JP_7		1997 05 09.44953	16 07 23.90	−00 45 28.2	20.5	V	691
1997 JQ_7	*	1997 05 06.32274	16 19 50.35	−00 55 34.3	20.6	V	691
1997 JQ_7		1997 05 06.34499	16 19 49.41	−00 55 30.9	20.1	V	691
1997 JQ_7		1997 05 06.36726	16 19 48.41	−00 55 26.6	20.2	V	691
1997 JQ_7		1997 05 09.41073	16 17 36.19	−00 47 22.9	20.2	V	691
1997 JQ_7		1997 05 09.43366	16 17 35.12	−00 47 19.4	20.7	V	691
1997 JQ_7		1997 05 09.45657	16 17 34.07	−00 47 16.4	20.3	V	691
1997 JR_7	*	1997 05 06.32739	16 26 33.19	−00 58 01.0	20.9	V	691
1997 JR_7		1997 05 06.34964	16 26 32.26	−00 57 57.5	20.6	V	691
1997 JR_7		1997 05 06.37191	16 26 31.35	−00 57 53.9	20.7	V	691
1997 JR_7		1997 05 09.41545	16 24 25.09	−00 50 32.2	20.6	V	691
1997 JR_7		1997 05 09.43838	16 24 24.05	−00 50 29.4	20.7	V	691
1997 JR_7		1997 05 09.46129	16 24 23.06	−00 50 26.3	20.7	V	691
1997 JF_8	*	1997 05 01.24374	14 26 04.22	−04 34 57.0	19.3	V	691
1997 JF_8		1997 05 01.26549	14 26 02.87	−04 34 49.2	19.2	V	691
1997 JF_8		1997 05 01.29388	14 26 01.04	−04 34 39.7	19.5	V	691
1997 JF_8		1997 05 10.18322	14 17 08.01	−03 49 24.4	19.3	V	691
1997 JF_8		1997 05 10.20424	14 17 06.79	−03 49 19.0	19.9	V	691
1997 JF_8		1997 05 10.22525	14 17 05.50	−03 49 13.2	19.9	V	691
1997 JF_8		1997 05 14.28178	14 13 16.99	−03 33 13.1	20.1	V	691
1997 JF_8		1997 05 14.28721	14 13 16.64	−03 33 12.4	19.7	V	691
1997 JF_8		1997 05 14.29509	14 13 16.21	−03 33 10.7	19.6	V	691
1997 JG_8	*	1997 05 01.24772	14 31 48.80	−04 47 21.7	19.5	V	691
1997 JG_8		1997 05 01.26947	14 31 47.67	−04 47 11.3	19.7	V	691
1997 JG_8		1997 05 01.29786	14 31 46.27	−04 46 57.2	20.0	V	691
1997 JG_8		1997 05 10.18865	14 24 58.34	−03 41 44.2	20.0	V	691
1997 JG_8		1997 05 10.20967	14 24 57.40	−03 41 36.3	19.7	V	691
1997 JG_8		1997 05 10.23068	14 24 56.38	−03 41 28.3	19.8	V	691
1997 JH_8	*	1997 05 01.24778	14 31 53.93	−04 34 20.9	19.6	V	691
1997 JH_8		1997 05 01.26954	14 31 53.12	−04 34 14.3	19.8	V	691
1997 JH_8		1997 05 01.29793	14 31 51.97	−04 34 05.7	19.7	V	691
1997 JH_8		1997 05 10.18973	14 26 32.22	−03 51 30.8	19.9	V	691
1997 JH_8		1997 05 10.21076	14 26 31.50	−03 51 25.9	19.5	V	691
1997 JH_8		1997 05 10.23177	14 26 30.74	−03 51 20.3	19.8	V	691
1997 JJ_8	*	1997 05 01.24931	14 34 06.29	−04 45 42.3	18.1	V	691
1997 JJ_8		1997 05 01.27106	14 34 05.05	−04 45 33.3	18.0	V	691
1997 JJ_8		1997 05 01.29945	14 34 03.36	−04 45 21.3	18.1	V	691
1997 JJ_8		1997 05 10.18945	14 26 07.81	−03 51 28.3	18.1	V	691
1997 JJ_8		1997 05 10.21047	14 26 06.72	−03 51 21.8	17.9	V	691
1997 JJ_8		1997 05 10.23148	14 26 05.57	−03 51 15.3	17.8	V	691
1997 JK_8	*	1997 05 01.25025	14 35 28.46	−04 36 07.3	19.6	V	691
1997 JK_8		1997 05 01.27201	14 35 27.53	−04 36 00.3	19.8	V	691
1997 JK_8		1997 05 01.30040	14 35 26.26	−04 35 51.6	20.2	V	691
1997 JK_8		1997 05 10.19153	14 29 08.10	−03 51 20.1	20.1	V	691
1997 JK_8		1997 05 10.21256	14 29 07.21	−03 51 14.5	19.7	V	691
1997 JK_8		1997 05 10.23357	14 29 06.32	−03 51 08.6	19.8	V	691
1997 JL_8	*	1997 05 01.31896	14 20 16.91	−04 14 54.6	20.8	V	691
1997 JL_8		1997 05 01.34719	14 20 15.70	−04 14 43.9	20.3	V	691
1997 JL_8		1997 05 01.37920	14 20 14.32	−04 14 31.9	21.0	V	691
1997 JL_8		1997 05 10.24511	14 14 12.49	−03 21 47.3	20.6	V	691
1997 JL_8		1997 05 10.28655	14 14 10.85	−03 21 33.3	20.4	V	691
1997 JL_8		1997 05 10.30841	14 14 09.96	−03 21 27.3	20.6	V	691
1997 JM_8	*	1997 05 01.32030	14 22 13.05	−04 05 16.6	20.1	V	691
1997 JM_8		1997 05 01.34852	14 22 11.39	−04 05 05.5	20.3	V	691
1997 JM_8		1997 05 01.38053	14 22 09.50	−04 04 53.7	20.4	V	691
1997 JM_8		1997 05 10.24513	14 14 14.59	−03 16 11.4	20.4	V	691
1997 JM_8		1997 05 10.28657	14 14 12.40	−03 15 59.2	20.5	V	691
1997 JM_8		1997 05 10.30843	14 14 11.26	−03 15 53.6	20.3	V	691
1997 JN_8	*	1997 05 01.32500	14 28 59.37	−04 04 23.9	18.6	V	691
1997 JN_8		1997 05 01.35322	14 28 58.12	−04 04 12.6	18.5	V	691
1997 JN_8		1997 05 01.38523	14 28 56.66	−04 03 59.6	18.5	V	691
1997 JN_8		1997 05 10.25100	14 22 42.45	−03 09 06.8	18.7	V	691
1997 JN_8		1997 05 10.29244	14 22 40.71	−03 08 52.7	18.7	V	691
1997 JN_8		1997 05 10.31430	14 22 39.79	−03 08 45.5	18.7	V	691
1997 JO_8	*	1997 05 02.24554	14 18 29.24	−03 33 38.8	20.6	V	691
1997 JO_8		1997 05 02.27331	14 18 27.83	−03 33 32.5	20.7	V	691
1997 JO_8		1997 05 02.32351	14 18 25.27	−03 33 21.0	20.6	V	691
1997 JO_8		1997 05 10.24366	14 12 07.25	−03 08 39.4	20.8	V	691
1997 JO_8		1997 05 10.28514	14 12 05.25	−03 08 33.1	21.0	V	691

1997 JO_8		1997 05 10.30700	14 12 04.25	−03 08 30.9	20.4	V	691
1997 JP_8	*	1997 05 02.24785	14 21 49.84	−03 34 22.6	19.0	V	691
1997 JP_8		1997 05 02.27563	14 21 48.42	−03 34 16.9	19.1	V	691
1997 JP_8		1997 05 02.32583	14 21 45.85	−03 34 07.0	19.0	V	691
1997 JP_8		1997 05 10.24600	14 15 29.68	−03 09 14.9	19.2	V	691
1997 JP_8		1997 05 10.28744	14 15 27.70	−03 09 08.5	19.3	V	691
1997 JP_8		1997 05 10.30930	14 15 26.67	−03 09 05.5	19.2	V	691
1997 JQ_8	*	1997 05 02.24975	14 24 33.75	−03 52 30.8	20.4	V	691
1997 JQ_8		1997 05 02.27752	14 24 32.14	−03 52 26.7	20.8	V	691
1997 JQ_8		1997 05 10.18326	14 17 11.14	−03 38 06.7	20.7	V	691
1997 JQ_8		1997 05 10.20427	14 17 09.95	−03 38 05.3	21.6	V	691
1997 JQ_8		1997 05 10.22528	14 17 08.78	−03 38 03.7	20.8	V	691
1997 JR_8	*	1997 05 02.25303	14 29 18.04	−03 53 11.6	19.8	V	691
1997 JR_8		1997 05 02.28080	14 29 16.55	−03 53 08.5	19.7	V	691
1997 JR_8		1997 05 02.33100	14 29 13.85	−03 53 03.1	19.0	V	691
1997 JR_8		1997 05 10.18703	14 22 38.00	−03 41 24.0	19.8	V	691
1997 JR_8		1997 05 10.20805	14 22 36.97	−03 41 22.3	19.8	V	691
1997 JR_8		1997 05 10.22906	14 22 35.89	−03 41 21.3	20.1	V	691
1997 JS_8	*	1997 05 02.25515	14 32 21.50	−03 41 10.6	19.2	V	691
1997 JS_8		1997 05 02.28292	14 32 19.79	−03 41 05.8	19.4	V	691
1997 JS_8		1997 05 02.33311	14 32 16.66	−03 40 56.6	19.3	V	691
1997 JS_8		1997 05 10.25219	14 24 26.06	−03 22 36.6	19.2	V	691
1997 JS_8		1997 05 10.29362	14 24 23.56	−03 22 31.2	19.3	V	691
1997 JS_8		1997 05 10.31548	14 24 22.26	−03 22 30.0	19.3	V	691
1997 JT_8	*	1997 05 02.25718	14 35 17.78	−03 51 13.6	19.9	V	691
1997 JT_8		1997 05 02.28495	14 35 16.20	−03 51 07.9	19.9	V	691
1997 JT_8		1997 05 02.33515	14 35 13.30	−03 50 56.7	20.1	V	691
1997 JT_8		1997 05 10.19089	14 28 12.50	−03 29 02.2	20.2	V	691
1997 JT_8		1997 05 10.21191	14 28 11.37	−03 29 00.0	20.1	V	691
1997 JT_8		1997 05 10.23292	14 28 10.21	−03 28 57.0	20.1	V	691
1997 JU_8	*	1997 05 02.25879	14 37 37.35	−03 34 51.2	19.3	V	691
1997 JU_8		1997 05 02.28657	14 37 35.80	−03 34 45.3	19.4	V	691
1997 JU_8		1997 05 02.33677	14 37 32.99	−03 34 34.7	19.5	V	691
1997 JU_8		1997 05 10.25648	14 30 37.57	−03 12 07.1	19.4	V	691
1997 JU_8		1997 05 10.29792	14 30 35.38	−03 12 01.2	19.6	V	691
1997 JU_8		1997 05 10.31977	14 30 34.24	−03 11 58.8	19.5	V	691
1997 JV_8	*	1997 05 02.35891	15 40 16.45	−13 14 12.6	21.2	V	691
1997 JV_8		1997 05 02.38549	15 40 14.93	−13 14 09.3	21.7	V	691
1997 JV_8		1997 05 02.41059	15 40 13.55	−13 14 05.3	20.6	V	691
1997 JV_8		1997 05 10.33731	15 32 33.24	−12 54 52.4	21.1	V	691
1997 JV_8		1997 05 10.35881	15 32 31.90	−12 54 49.5	21.1	V	691
1997 JV_8		1997 05 10.38055	15 32 30.57	−12 54 45.9	20.9	V	691
1997 JW_8	*	1997 05 02.36055	15 42 38.60	−13 11 42.6	20.2	V	691
1997 JW_8		1997 05 02.38713	15 42 37.32	−13 11 35.0	20.1	V	691
1997 JW_8		1997 05 02.41224	15 42 36.12	−13 11 28.4	20.0	V	691
1997 JW_8		1997 05 10.33981	15 36 10.36	−12 35 17.7	19.6	V	691
1997 JW_8		1997 05 10.36132	15 36 09.25	−12 35 12.1	19.6	V	691
1997 JW_8		1997 05 10.38306	15 36 08.13	−12 35 06.3	19.7	V	691
1997 JX_8	*	1997 05 02.36182	15 44 28.61	−13 28 40.4	21.3	V	691
1997 JX_8		1997 05 02.38840	15 44 27.13	−13 28 34.2	21.1	V	691
1997 JX_8		1997 05 02.41350	15 44 25.69	−13 28 27.6	21.3	V	691
1997 JX_8		1997 05 10.34033	15 36 55.04	−12 57 37.5	20.7	V	691
1997 JX_8		1997 05 10.36183	15 36 53.69	−12 57 33.8	20.6	V	691
1997 JX_8		1997 05 10.38357	15 36 52.34	−12 57 27.8	20.6	V	691
1997 JY_8	*	1997 05 02.36306	15 46 16.02	−13 23 16.7	20.2	V	691
1997 JY_8		1997 05 02.41474	15 46 13.34	−13 22 59.4	20.3	V	691
1997 JY_8		1997 05 10.34186	15 39 07.59	−12 39 09.9	20.0	V	691
1997 JY_8		1997 05 10.36336	15 39 06.29	−12 39 02.8	20.0	V	691
1997 JY_8		1997 05 10.38510	15 39 05.00	−12 38 55.9	20.0	V	691
1997 JZ_8	*	1997 05 03.22996	14 19 55.97	−03 07 50.8	20.6	V	691
1997 JZ_8		1997 05 03.25160	14 19 54.86	−03 07 49.0	20.9	V	691
1997 JZ_8		1997 05 03.27343	14 19 53.76	−03 07 47.9	20.6	V	691
1997 JZ_8		1997 05 10.24517	14 14 17.78	−03 03 00.8	21.5	V	691
1997 JZ_8		1997 05 10.28661	14 14 15.74	−03 03 00.3	21.1	V	691
1997 JZ_8		1997 05 10.30847	14 14 14.73	−03 02 59.3	21.0	V	691
1997 JA_9	*	1997 05 03.23940	14 33 33.71	−03 11 13.9	19.7	V	691
1997 JA_9		1997 05 03.26104	14 33 32.46	−03 11 13.8	19.7	V	691
1997 JA_9		1997 05 03.28287	14 33 31.20	−03 11 13.3	19.7	V	691
1997 JA_9		1997 05 10.25410	14 27 11.17	−03 13 53.5	19.5	V	691
1997 JA_9		1997 05 10.29553	14 27 08.86	−03 13 55.6	19.7	V	691
1997 JA_9		1997 05 10.31739	14 27 07.65	−03 13 57.6	19.5	V	691
1997 JB_9	*	1997 05 03.24011	14 34 35.26	−03 22 35.5	20.0	V	691
1997 JB_9		1997 05 03.26175	14 34 33.83	−03 22 33.5	20.1	V	691
1997 JB_9		1997 05 03.28358	14 34 32.38	−03 22 31.6	20.0	V	691
1997 JB_9		1997 05 10.25411	14 27 11.88	−03 15 50.1	20.1	V	691
1997 JB_9		1997 05 10.29554	14 27 09.19	−03 15 48.6	20.4	V	691
1997 JB_9		1997 05 10.31739	14 27 07.79	−03 15 49.0	20.0	V	691
1997 JC_9	*	1997 05 03.24095	14 35 48.33	−03 16 46.1	19.8	V	691
1997 JC_9		1997 05 03.26260	14 35 47.32	−03 16 43.3	19.8	V	691
1997 JC_9		1997 05 03.28443	14 35 46.30	−03 16 40.5	19.7	V	691
1997 JC_9		1997 05 10.25643	14 30 32.94	−03 03 47.7	20.0	V	691
1997 JC_9		1997 05 10.29787	14 30 31.06	−03 03 43.9	20.2	V	691
1997 JC_9		1997 05 10.31973	14 30 30.08	−03 03 42.5	19.8	V	691
1997 JD_9	*	1997 05 03.25774	14 28 46.51	−03 18 03.5	19.6	V	691
1997 JD_9		1997 05 03.27957	14 28 45.36	−03 17 59.1	19.4	V	691
1997 JD_9		1997 05 10.25125	14 23 04.23	−02 57 01.3	20.0	V	691
1997 JD_9		1997 05 10.29268	14 23 02.17	−02 56 55.6	19.8	V	691
1997 JD_9		1997 05 10.31454	14 23 01.14	−02 56 51.5	19.9	V	691
1997 JE_9	*	1997 05 03.29833	15 31 08.08	−12 36 43.3	19.9	V	691
1997 JE_9		1997 05 03.32050	15 31 06.79	−12 36 41.9	19.8	V	691
1997 JE_9		1997 05 03.34239	15 31 05.50	−12 36 40.6	19.9	V	691
1997 JE_9		1997 05 10.33159	15 24 17.82	−12 30 15.1	19.7	V	691
1997 JE_9		1997 05 10.35309	15 24 16.47	−12 30 12.3	20.0	V	691
1997 JE_9		1997 05 10.37483	15 24 15.13	−12 30 12.1	19.8	V	691
1997 JF_9	*	1997 05 03.30449	15 40 01.99	−12 53 58.9	19.1	V	691
1997 JF_9		1997 05 03.32666	15 40 00.62	−12 53 55.4	19.2	V	691
1997 JF_9		1997 05 03.34856	15 39 59.25	−12 53 51.9	19.3	V	691
1997 JF_9		1997 05 10.33748	15 32 47.90	−12 35 24.9	19.0	V	691
1997 JF_9		1997 05 10.35898	15 32 46.47	−12 35 21.3	19.1	V	691
1997 JF_9		1997 05 10.38072	15 32 45.07	−12 35 18.1	19.2	V	691
1997 JG_9	*	1997 05 03.30615	15 42 25.44	−12 52 37.7	19.3	V	691
1997 JG_9		1997 05 03.32831	15 42 24.12	−12 52 35.6	19.4	V	691
1997 JG_9		1997 05 03.35021	15 42 22.83	−12 52 33.5	19.1	V	691
1997 JG_9		1997 05 10.33932	15 35 28.08	−12 40 21.9	19.2	V	691

1997 JG_9		1997 05 10.36083	15 35 26.74	−12 40 19.7	19.3	V	691
1997 JG_9		1997 05 10.38257	15 35 25.38	−12 40 17.6	19.3	V	691
1997 JH_9	*	1997 05 03.30680	15 43 22.06	−12 56 27.7	20.8	V	691
1997 JH_9		1997 05 03.32897	15 43 21.06	−12 56 24.9	20.6	V	691
1997 JH_9		1997 05 03.35087	15 43 20.10	−12 56 21.6	20.7	V	691
1997 JH_9		1997 05 10.34113	15 38 04.31	−12 40 04.8	20.5	V	691
1997 JH_9		1997 05 10.36264	15 38 03.28	−12 40 02.7	20.5	V	691
1997 JH_9		1997 05 10.38438	15 38 02.26	−12 39 59.0	21.0	V	691
1997 JJ_9	*	1997 05 03.30720	15 43 56.57	−12 29 04.8	21.1	V	691
1997 JJ_9		1997 05 03.32937	15 43 55.37	−12 29 08.1	21.5	V	691
1997 JJ_9		1997 05 03.35127	15 43 54.22	−12 29 10.4	20.9	V	691
1997 JJ_9		1997 05 10.34076	15 37 32.24	−12 43 01.4	20.7	V	691
1997 JJ_9		1997 05 10.36226	15 37 31.03	−12 43 04.6	20.8	V	691
1997 JJ_9		1997 05 10.38400	15 37 29.80	−12 43 07.5	20.4	V	691
1997 JK_9	*	1997 05 06.31767	16 12 30.72	−00 42 57.2	18.8	V	691
1997 JK_9		1997 05 06.33992	16 12 29.85	−00 42 50.0	18.9	V	691
1997 JK_9		1997 05 06.36218	16 12 28.97	−00 42 42.7	19.0	V	691
1997 JK_9		1997 05 10.40125	16 09 50.01	−00 21 22.5	18.9	V	691
1997 JK_9		1997 05 10.42464	16 09 49.09	−00 21 16.7	18.4	V	691
1997 JK_9		1997 05 10.44745	16 09 48.09	−00 21 08.8	19.2	V	691
1997 JL_9	*	1997 05 06.32291	16 20 04.65	−00 32 38.6	18.6	V	691
1997 JL_9		1997 05 06.34516	16 20 03.73	−00 32 32.7	18.4	V	691
1997 JL_9		1997 05 06.36742	16 20 02.81	−00 32 26.5	18.7	V	691
1997 JL_9		1997 05 10.40636	16 17 12.94	−00 15 16.8	18.4	V	691
1997 JL_9		1997 05 10.42975	16 17 11.88	−00 15 11.3	18.9	V	691
1997 JL_9		1997 05 10.45256	16 17 10.85	−00 15 05.7	18.9	V	691
1997 JM_9	*	1997 05 06.32742	16 26 35.55	−00 30 13.8	21.0	V	691
1997 JM_9		1997 05 06.34967	16 26 34.58	−00 30 08.2	20.9	V	691
1997 JM_9		1997 05 06.37193	16 26 33.64	−00 30 03.3	20.8	V	691
1997 JM_9		1997 05 10.41079	16 23 36.64	−00 15 21.3	21.1	V	691
1997 JM_9		1997 05 10.43418	16 23 35.55	−00 15 16.5	21.3	V	691
1997 JM_9		1997 05 10.45699	16 23 34.47	−00 15 11.8	21.4	V	691
1997 JN_9	*	1997 05 06.33078	16 31 26.86	−00 28 01.3	20.8	V	691
1997 JN_9		1997 05 06.35304	16 31 25.98	−00 27 52.4	20.5	V	691
1997 JN_9		1997 05 06.37530	16 31 24.90	−00 27 43.8	20.8	V	691
1997 JN_9		1997 05 10.41423	16 28 34.37	−00 02 44.9	20.7	V	691
1997 JN_9		1997 05 10.43762	16 28 33.34	−00 02 36.0	20.6	V	691
1997 JN_9		1997 05 10.46043	16 28 32.29	−00 02 27.8	20.6	V	691
1997 JO_9	*	1997 05 06.38382	16 10 47.29	−00 19 02.4	20.6	V	691
1997 JO_9		1997 05 06.40510	16 10 46.20	−00 19 00.0	20.4	V	691
1997 JO_9		1997 05 06.42637	16 10 45.06	−00 18 57.2	20.4	V	691
1997 JO_9		1997 05 10.39947	16 07 15.92	−00 11 31.4	20.7	V	691
1997 JO_9		1997 05 10.42286	16 07 14.62	−00 11 29.4	20.5	V	691
1997 JO_9		1997 05 10.44566	16 07 13.34	−00 11 27.9	20.9	V	691
1997 JP_9	*	1997 05 06.38621	16 14 14.11	−00 17 19.0	19.7	V	691
1997 JP_9		1997 05 06.40749	16 14 13.15	−00 17 15.1	19.0	V	691
1997 JP_9		1997 05 06.42876	16 14 12.17	−00 17 11.3	19.0	V	691
1997 JP_9		1997 05 10.40217	16 11 09.88	−00 06 34.3	18.9	V	691
1997 JP_9		1997 05 10.42556	16 11 08.72	−00 06 31.4	19.0	V	691
1997 JP_9		1997 05 10.44837	16 11 07.57	−00 06 28.3	19.2	V	691
1997 JQ_9	*	1997 05 06.39218	16 22 51.22	−00 16 59.7	21.3	V	691
1997 JQ_9		1997 05 06.41346	16 22 50.39	−00 16 55.0	20.6	V	691
1997 JQ_9		1997 05 06.43473	16 22 49.52	−00 16 50.7	21.0	V	691
1997 JQ_9		1997 05 10.40839	16 20 08.67	−00 04 16.8	20.9	V	691
1997 JQ_9		1997 05 10.43178	16 20 07.64	−00 04 13.3	20.9	V	691
1997 JQ_9		1997 05 10.45459	16 20 06.68	−00 04 09.3	20.8	V	691
1997 JR_9	*	1997 05 06.39797	16 31 12.68	−00 27 01.0	18.6	V	691
1997 JR_9		1997 05 06.41925	16 31 11.80	−00 26 56.4	18.5	V	691
1997 JR_9		1997 05 06.44052	16 31 10.89	−00 26 51.7	18.2	V	691
1997 JR_9		1997 05 10.41409	16 28 22.24	−00 13 51.5	18.4	V	691
1997 JR_9		1997 05 10.43748	16 28 21.15	−00 13 46.9	18.6	V	691
1997 JR_9		1997 05 10.46029	16 28 20.09	−00 13 42.9	18.7	V	691
1997 JS_9	*	1997 05 08.35373	15 31 36.76	−12 05 33.7	18.1	V	691
1997 JS_9		1997 05 08.37510	15 31 34.80	−12 05 48.9	18.0	V	691
1997 JS_9		1997 05 08.39667	15 31 32.79	−12 06 03.9	17.9	V	691
1997 JS_9		1997 05 10.33460	15 28 38.89	−12 28 51.6	18.0	V	691
1997 JS_9		1997 05 10.35610	15 28 36.89	−12 29 05.5	18.0	V	691
1997 JS_9		1997 05 10.37783	15 28 34.88	−12 29 21.6	18.0	V	691
1997 JT_9	*	1997 05 09.27477	14 15 59.88	−04 01 19.9	19.9	V	691
1997 JT_9		1997 05 09.29588	14 15 58.43	−04 01 10.7	20.4	V	691
1997 JT_9		1997 05 09.31708	14 15 57.13	−04 01 03.9	20.7	V	691
1997 JT_9		1997 05 10.18182	14 15 06.96	−03 55 55.2	20.6	V	691
1997 JT_9		1997 05 10.20284	14 15 05.74	−03 55 47.6	21.1	V	691
1997 JT_9		1997 05 10.22385	14 15 04.47	−03 55 40.3	20.5	V	691
1997 JT_9		1997 05 14.28038	14 11 15.69	−03 33 15.0	19.4	V	691
1997 JT_9		1997 05 14.28581	14 11 15.40	−03 33 13.5	20.1	V	691
1997 JT_9		1997 05 14.29369	14 11 14.96	−03 33 11.5	20.6	V	691
1997 JU_9	*	1997 05 09.35461	15 50 04.58	−13 01 43.4	20.5	V	691
1997 JU_9		1997 05 09.37646	15 50 03.36	−13 01 36.2	20.4	V	691
1997 JU_9		1997 05 09.39826	15 50 02.12	−13 01 28.2	20.5	V	691
1997 JU_9		1997 05 10.34883	15 49 11.13	−12 55 52.6	20.4	V	691
1997 JU_9		1997 05 10.37033	15 49 09.87	−12 55 46.6	20.1	V	691
1997 JU_9		1997 05 10.39207	15 49 08.68	−12 55 37.9	20.1	V	691
1997 JE_{10}		1997 05 09.35161	15 45 45.29	−13 22 13.7	16.6	V	691
1997 JE_{10}		1997 05 09.37346	15 45 44.11	−13 22 13.9	16.6	V	691
1997 JE_{10}		1997 05 09.39526	15 45 42.95	−13 22 14.0	16.7	V	691
1997 JJ_{10}	*	1997 05 05.42844	16 19 02.98	−01 55 22.2	19.0	V	691
1997 JJ_{10}		1997 05 05.44963	16 19 02.34	−01 55 21.3	19.2	V	691
1997 JJ_{10}		1997 05 05.47070	16 19 01.76	−01 55 20.2	19.5	V	691
1997 JJ_{10}		1997 05 13.36980	16 15 11.78	−01 50 48.4	19.3	V	691
1997 JJ_{10}		1997 05 13.39084	16 15 11.11	−01 50 48.2	19.2	V	691
1997 JJ_{10}		1997 05 13.41210	16 15 10.46	−01 50 47.6	19.4	V	691
1997 JP_{10}	*	1997 05 05.26531	13 55 55.99	−12 58 30.3	20.5	V	691
1997 JP_{10}		1997 05 05.28757	13 55 54.69	−12 58 26.9	20.6	V	691
1997 JP_{10}		1997 05 05.30968	13 55 53.39	−12 58 24.0	20.4	V	691
1997 JP_{10}		1997 05 14.18680	13 48 22.23	−12 41 03.0	21.0	V	691
1997 JP_{10}		1997 05 14.20854	13 48 21.21	−12 41 00.9	20.6	V	691
1997 JP_{10}		1997 05 14.23022	13 48 20.19	−12 40 57.9	20.7	V	691
1997 JQ_{10}	*	1997 05 05.27433	14 08 56.70	−12 55 45.9	18.9	V	691
1997 JQ_{10}		1997 05 05.29658	14 08 55.30	−12 55 44.0	18.8	V	691
1997 JQ_{10}		1997 05 05.31869	14 08 53.92	−12 55 42.9	18.9	V	691
1997 JQ_{10}		1997 05 14.19523	14 00 32.97	−12 45 19.8	19.1	V	691
1997 JQ_{10}		1997 05 14.21698	14 00 31.78	−12 45 18.7	19.2	V	691
1997 JQ_{10}		1997 05 14.23865	14 00 30.59	−12 45 17.4	19.1	V	691

1997 JR_{10}	*	1997 05 05.42593	16 15 25.62	−01 46 11.1	17.5	V	691
1997 JR_{10}		1997 05 05.46819	16 15 24.01	−01 45 56.6	17.5	V	691
1997 JR_{10}		1997 05 14.32499	16 09 30.31	−00 58 57.8	17.6	V	691
1997 JR_{10}		1997 05 14.34597	16 09 29.38	−00 58 51.6	17.5	V	691
1997 JR_{10}		1997 05 14.36750	16 09 28.43	−00 58 45.5	17.6	V	691
1997 JS_{10}	*	1997 05 06.32032	16 16 20.79	−00 55 13.2	20.6	V	691
1997 JS_{10}		1997 05 06.34257	16 16 19.72	−00 55 14.7	20.1	V	691
1997 JS_{10}		1997 05 06.36483	16 16 18.62	−00 55 17.4	20.5	V	691
1997 JS_{10}		1997 05 14.32502	16 09 32.29	−01 14 58.3	20.5	V	691
1997 JS_{10}		1997 05 14.34599	16 09 31.03	−01 15 02.7	20.4	V	691
1997 JS_{10}		1997 05 14.36752	16 09 29.81	−01 15 07.0	20.8	V	691
1997 JT_{10}	*	1997 05 06.39058	16 20 32.43	−00 20 33.7	18.3	V	691
1997 JT_{10}		1997 05 06.41185	16 20 31.15	−00 20 40.1	18.2	V	691
1997 JT_{10}		1997 05 06.43312	16 20 29.90	−00 20 46.2	18.2	V	691
1997 JT_{10}		1997 05 14.32708	16 12 31.38	−01 05 34.8	18.4	V	691
1997 JT_{10}		1997 05 14.34806	16 12 30.02	−01 05 42.8	18.4	V	691
1997 JT_{10}		1997 05 14.36958	16 12 28.62	−01 05 50.7	18.4	V	691
1997 JU_{10}	*	1997 05 08.21685	14 06 45.04	−11 58 59.0	20.4	V	691
1997 JU_{10}		1997 05 08.23828	14 06 43.94	−11 58 49.0	20.5	V	691
1997 JU_{10}		1997 05 08.25963	14 06 42.83	−11 58 39.4	20.3	V	691
1997 JU_{10}		1997 05 14.25809	14 02 10.14	−11 15 05.7	20.4	V	691
1997 JU_{10}		1997 05 14.26368	14 02 09.91	−11 15 03.4	20.5	V	691
1997 JU_{10}		1997 05 14.27290	14 02 09.50	−11 15 00.1	20.2	V	691
1997 JV_{10}	*	1997 05 08.28122	14 05 47.18	−11 13 22.8	19.4	V	691
1997 JV_{10}		1997 05 08.30256	14 05 45.90	−11 13 20.6	19.4	V	691
1997 JV_{10}		1997 05 08.32418	14 05 44.59	−11 13 18.1	19.2	V	691
1997 JV_{10}		1997 05 14.25701	14 00 15.79	−11 04 16.0	19.6	V	691
1997 JV_{10}		1997 05 14.26263	14 00 15.44	−11 04 15.4	19.6	V	691
1997 JV_{10}		1997 05 14.27185	14 00 14.95	−11 04 14.8	19.7	V	691
1997 JW_{10}	*	1997 05 08.28276	14 08 00.76	−11 11 22.1	18.7	V	691
1997 JW_{10}		1997 05 08.30411	14 07 59.72	−11 11 20.6	18.5	V	691
1997 JW_{10}		1997 05 08.32573	14 07 58.65	−11 11 18.5	18.6	V	691
1997 JW_{10}		1997 05 14.25893	14 03 22.81	−11 03 40.6	18.8	V	691
1997 JW_{10}		1997 05 14.26452	14 03 22.55	−11 03 40.4	18.7	V	691
1997 JW_{10}		1997 05 14.27374	14 03 22.12	−11 03 39.5	18.8	V	691
1997 JX_{10}	*	1997 05 08.41975	16 11 40.65	−01 11 25.4	20.8	V	691
1997 JX_{10}		1997 05 08.43936	16 11 39.71	−01 11 24.0	20.5	V	691
1997 JX_{10}		1997 05 08.45906	16 11 38.80	−01 11 22.2	20.4	V	691
1997 JX_{10}		1997 05 14.32325	16 06 59.39	−01 06 05.5	20.9	V	691
1997 JX_{10}		1997 05 14.34423	16 06 58.35	−01 06 04.8	20.4	V	691
1997 JY_{10}	*	1997 05 08.42693	16 22 02.26	−01 28 09.9	20.3	V	691
1997 JY_{10}		1997 05 08.44654	16 22 01.70	−01 28 08.5	20.2	V	691
1997 JY_{10}		1997 05 08.46625	16 22 01.12	−01 28 06.7	20.3	V	691
1997 JY_{10}		1997 05 14.33167	16 19 08.43	−01 20 45.1	20.0	V	691
1997 JY_{10}		1997 05 14.35265	16 19 07.80	−01 20 43.2	20.0	V	691
1997 JY_{10}		1997 05 14.37418	16 19 07.12	−01 20 42.3	20.2	V	691
1997 JZ_{10}	*	1997 05 08.43058	16 27 18.14	−01 20 22.8	20.7	V	691
1997 JZ_{10}		1997 05 08.45018	16 27 17.24	−01 20 18.5	21.2	V	691
1997 JZ_{10}		1997 05 08.46988	16 27 16.31	−01 20 15.1	21.2	V	691
1997 JZ_{10}		1997 05 14.33406	16 22 36.09	−01 04 22.9	21.1	V	691
1997 JZ_{10}		1997 05 14.35504	16 22 35.03	−01 04 19.9	21.3	V	691
1997 JZ_{10}		1997 05 14.37657	16 22 33.90	−01 04 17.1	21.1	V	691
1997 JA_{11}	*	1997 05 08.43178	16 29 02.77	−01 27 58.6	18.6	V	691
1997 JA_{11}		1997 05 08.45139	16 29 02.00	−01 27 53.8	18.6	V	691
1997 JA_{11}		1997 05 08.47110	16 29 01.22	−01 27 49.4	18.5	V	691
1997 JA_{11}		1997 05 14.33578	16 25 05.11	−01 07 04.2	18.7	V	691
1997 JA_{11}		1997 05 14.35676	16 25 04.23	−01 06 59.3	18.6	V	691
1997 JA_{11}		1997 05 14.37829	16 25 03.28	−01 06 56.0	18.9	V	691
1997 JB_{11}	*	1997 05 09.27656	14 18 35.11	−04 18 00.1	19.4	V	691
1997 JB_{11}		1997 05 09.29768	14 18 34.01	−04 17 50.7	19.4	V	691
1997 JB_{11}		1997 05 09.31888	14 18 32.87	−04 17 43.6	19.4	V	691
1997 JB_{11}		1997 05 14.28257	14 14 25.79	−03 47 09.7	19.2	V	691
1997 JB_{11}		1997 05 14.28801	14 14 25.53	−03 47 07.8	19.3	V	691
1997 JB_{11}		1997 05 14.29588	14 14 25.14	−03 47 05.3	19.3	V	691
1997 JC_{11}	*	1997 05 09.44340	16 31 39.13	−00 55 11.4	20.8	V	691
1997 JC_{11}		1997 05 09.46632	16 31 38.45	−00 55 11.7	20.2	V	691
1997 JC_{11}		1997 05 14.40627	16 29 03.39	−00 56 16.3	21.1	V	691
1997 JC_{11}		1997 05 14.42785	16 29 02.66	−00 56 16.3	21.0	V	691
1997 JC_{11}		1997 05 14.44914	16 29 01.98	−00 56 16.7	20.7	V	691
1997 JD_{11}	*	1997 05 10.18016	14 12 42.60	−03 49 20.3	19.6	V	691
1997 JD_{11}		1997 05 10.20118	14 12 41.65	−03 49 17.1	19.5	V	691
1997 JD_{11}		1997 05 10.22219	14 12 40.76	−03 49 14.3	19.3	V	691
1997 JD_{11}		1997 05 14.27955	14 09 55.05	−03 40 46.0	19.4	V	691
1997 JD_{11}		1997 05 14.28499	14 09 54.86	−03 40 45.6	19.3	V	691
1997 JD_{11}		1997 05 14.29286	14 09 54.52	−03 40 44.9	19.4	V	691
1997 JE_{11}	*	1997 05 10.18121	14 14 13.74	−03 42 22.0	20.8	V	691
1997 JE_{11}		1997 05 10.20223	14 14 12.70	−03 42 18.7	20.6	V	691
1997 JE_{11}		1997 05 10.22324	14 14 11.74	−03 42 15.4	20.7	V	691
1997 JE_{11}		1997 05 14.28032	14 11 10.88	−03 32 48.1	20.9	V	691
1997 JE_{11}		1997 05 14.28576	14 11 10.67	−03 32 47.7	20.8	V	691
1997 JE_{11}		1997 05 14.29364	14 11 10.34	−03 32 46.0	20.3	V	691
1997 JF_{11}	*	1997 05 10.24510	14 14 11.86	−03 18 39.6	21.3	V	691
1997 JF_{11}		1997 05 10.28654	14 14 09.73	−03 18 38.4	21.3	V	691
1997 JF_{11}		1997 05 10.30840	14 14 08.59	−03 18 38.6	21.1	V	691
1997 JF_{11}		1997 05 14.28016	14 10 56.34	−03 18 21.8	20.4	V	691
1997 JF_{11}		1997 05 14.28559	14 10 56.14	−03 18 22.3	20.6	V	691
1997 JF_{11}		1997 05 14.29347	14 10 55.75	−03 18 22.2	21.2	V	691
2536 P-L		1997 05 03.16110	12 25 54.74	−02 37 35.1	18.0	V	691
2536 P-L		1997 05 03.18338	12 25 53.83	−02 37 33.9	18.1	V	691
2536 P-L		1997 05 03.20505	12 25 52.94	−02 37 32.7	18.0	V	691
2536 P-L		1997 05 09.14965	12 22 29.49	−02 34 34.2	18.2	V	691
2536 P-L		1997 05 09.17058	12 22 28.85	−02 34 34.3	18.2	V	691
2536 P-L		1997 05 09.19158	12 22 28.19	−02 34 33.9	18.2	V	691
2584 P-L		1997 04 30.23463	14 07 07.84	−11 21 15.0	20.0	V	691
2584 P-L		1997 04 30.25601	14 07 06.66	−11 21 07.5	19.4	V	691
2584 P-L		1997 04 30.27723	14 07 05.46	−11 21 00.8	19.6	V	691
2614 P-L		1997 05 03.16919	12 37 34.79	−02 39 29.8	20.5	V	691
2614 P-L		1997 05 03.19146	12 37 34.03	−02 39 23.6	20.6	V	691
2614 P-L		1997 05 03.21313	12 37 33.31	−02 39 18.8	20.8	V	691
2825 P-L		1994 10 08.39371	01 18 29.67	+08 24 23.3			691
2825 P-L		1994 10 08.42602	01 18 28.22	+08 24 14.2	19.1	V	691
2825 P-L		1994 10 08.45834	01 18 26.80	+08 24 05.5			691
2825 P-L		1997 05 08.17405	12 30 27.25	−03 22 13.4	19.2	V	691
2825 P-L		1997 05 08.19490	12 30 26.86	−03 22 10.7	19.2	V	691

4593 P-L	1992 04 27.27066	14 15 28.31	−10 54 36.1		691
4593 P-L	1992 04 27.29517	14 15 27.08	−10 54 29.2		691
4593 P-L	1992 04 27.31961	14 15 25.84	−10 54 22.8	18.6 V	691
4604 P-L	1997 05 06.21290	13 53 45.98	−12 21 06.9	18.5 V	691
4604 P-L	1997 05 06.26719	13 53 42.70	−12 20 53.2	18.3 V	691
4604 P-L	1997 05 06.29011	13 53 41.38	−12 20 47.4	18.4 V	691
4652 P-L	1993 11 11.36504	03 28 37.10	+27 24 23.2	16.9 V	691
4652 P-L	1993 11 11.37405	03 28 36.69	+27 24 22.3		691
4652 P-L	1993 11 11.38272	03 28 36.24	+27 24 22.8		691
6628 P-L	1997 04 29.29153	14 12 37.67	−11 29 39.5	19.2 V	691
6628 P-L	1997 04 29.31998	14 12 35.96	−11 29 30.6	18.9 V	691
6628 P-L	1997 04 29.34150	14 12 34.69	−11 29 23.8	19.0 V	691
6628 P-L	1997 04 30.23781	14 11 43.58	−11 24 43.5	19.2 V	691
6628 P-L	1997 04 30.25919	14 11 42.31	−11 24 37.2	19.0 V	691
6628 P-L	1997 04 30.28042	14 11 41.05	−11 24 30.5	18.8 V	691
2108 T-2	1997 04 29.28977	14 10 05.58	−11 32 45.9	17.8 V	691
2108 T-2	1997 04 29.31822	14 10 03.88	−11 32 35.0	17.9 V	691
2108 T-2	1997 04 29.33975	14 10 02.63	−11 32 26.4	18.0 V	691
2108 T-2	1997 04 30.23606	14 09 11.98	−11 26 35.8	17.7 V	691
2108 T-2	1997 04 30.25744	14 09 10.72	−11 26 27.7	17.7 V	691
2108 T-2	1997 04 30.27867	14 09 09.46	−11 26 19.4	17.8 V	691
2181 T-2	1997 05 14.14856	07 44 17.58	+18 59 11.9	19.1 V	691
2181 T-2	1997 05 14.15426	07 44 18.04	+18 59 11.4	19.0 V	691
2181 T-2	1997 05 14.15993	07 44 18.50	+18 59 10.3	19.2 V	691
(216)	1997 04 29.21036	13 52 47.18	−12 30 39.4	12.0 V	691
(216)	1997 04 29.23227	13 52 46.18	−12 30 29.7	11.9 V	691
(352)	1997 05 01.17860	08 22 35.34	+15 47 27.4	14.8 V	691
(352)	1997 05 01.19651	08 22 36.75	+15 47 23.5	14.7 V	691
(352)	1997 05 01.21380	08 22 38.08	+15 47 19.5	14.6 V	691
(771)	1997 05 05.26107	13 49 47.98	−12 42 59.7	14.6 V	691
(771)	1997 05 05.28333	13 49 46.97	−12 42 48.0	14.7 V	691
(771)	1997 05 05.30544	13 49 45.95	−12 42 36.0	14.4 V	691
(985)	1997 05 01.19275	09 00 24.53	+13 51 55.3	18.1 V	691
(985)	1997 05 01.20883	09 00 25.12	+13 51 53.2	18.2 V	691
(985)	1997 05 01.22422	09 00 25.69	+13 51 50.9	18.0 V	691
(1144)	1997 05 10.25830	14 33 15.32	−03 04 19.2	15.7 V	691
(1144)	1997 05 10.29974	14 33 13.77	−03 04 11.6	15.7 V	691
(1144)	1997 05 10.32161	14 33 12.97	−03 04 07.6	15.8 V	691
(1198)	1997 05 01.19274	09 00 23.62	+14 04 56.2	20.7 V	691
(1198)	1997 05 01.20882	09 00 24.21	+14 04 55.2	20.5 V	691
(1198)	1997 05 01.22421	09 00 24.67	+14 04 52.6	20.5 V	691
(1537)	1997 05 05.26038	13 48 48.47	−12 47 38.5	17.7 V	691
(1537)	1997 05 05.28264	13 48 47.54	−12 47 32.3	17.7 V	691
(1537)	1997 05 05.30475	13 48 46.60	−12 47 25.9	17.7 V	691
(2031)	1997 05 14.14820	07 43 46.52	+19 00 19.0	18.2 V	691
(2031)	1997 05 14.15391	07 43 47.10	+19 00 18.1	18.2 V	691
(2031)	1997 05 14.15957	07 43 47.68	+19 00 17.2	18.1 V	691
(2061)	1997 05 06.22424	14 10 08.36	−12 00 34.4	20.8 V	691
(2061)	1997 05 06.27853	14 10 04.76	−12 00 13.1	21.2 V	691
(2061)	1997 05 06.30144	14 10 03.20	−12 00 04.4	20.8 V	691
(2061)	1997 05 08.21771	14 07 58.86	−11 47 30.9	20.9 V	691
(2061)	1997 05 08.23913	14 07 57.43	−11 47 22.2	21.3 V	691
(2061)	1997 05 08.26047	14 07 56.04	−11 47 13.5	21.7 V	691
(2353)	1997 04 29.20755	13 48 43.67	−12 16 12.6	15.5 V	691
(2353)	1997 04 29.22946	13 48 42.47	−12 16 06.6	15.5 V	691
(2353)	1997 04 29.25104	13 48 41.34	−12 16 02.6	15.5 V	691
(2499)	1997 05 06.15051	12 21 44.44	−02 13 10.1	16.8 V	691
(2499)	1997 05 06.17211	12 21 44.00	−02 13 07.3	17.4 V	691
(2499)	1997 05 06.19317	12 21 43.56	−02 13 04.3	17.2 V	691
(2585)	1997 05 09.21602	14 26 02.21	−05 01 23.6	16.5 V	691
(2585)	1997 05 09.23699	14 26 01.06	−05 01 18.8	16.5 V	691
(2585)	1997 05 09.25846	14 25 59.89	−05 01 13.6	16.5 V	691
(2853)	1997 05 01.17968	08 24 32.29	+15 37 49.5	17.5 V	691
(2853)	1997 05 01.19761	08 24 33.65	+15 37 46.4	17.7 V	691
(2853)	1997 05 01.21490	08 24 34.97	+15 37 44.1	17.8 V	691
(2871)	1997 05 09.15803	12 34 35.47	−02 55 38.4	16.8 V	691
(2871)	1997 05 09.17896	12 34 34.77	−02 55 37.2	16.7 V	691
(2871)	1997 05 09.19996	12 34 34.05	−02 55 36.1	16.9 V	691
(2882)	1997 05 05.27016	14 02 56.18	−12 56 21.0	16.5 V	691
(2882)	1997 05 05.29243	14 02 55.14	−12 56 15.5	16.4 V	691
(2882)	1997 05 05.31454	14 02 54.11	−12 56 10.2	16.3 V	691
(3569)	1997 05 06.38710	16 15 31.01	+00 02 51.1	16.8 V	691
(3569)	1997 05 06.40837	16 15 29.98	+00 02 59.3	16.4 V	691
(3569)	1997 05 06.42964	16 15 28.99	+00 03 06.2	16.6 V	691
(3677)	1997 04 30.22921	13 59 18.74	−10 57 12.1	16.6 V	691
(3677)	1997 04 30.25060	13 59 17.45	−10 57 02.8	16.6 V	691
(3677)	1997 04 30.27182	13 59 16.15	−10 56 53.4	16.6 V	691
(3748)	1997 04 29.27976	13 55 38.61	−11 56 55.9	15.4 V	691
(3748)	1997 04 29.30821	13 55 36.91	−11 56 52.7	15.4 V	691
(3748)	1997 04 29.32974	13 55 35.61	−11 56 50.0	15.4 V	691
(3748)	1997 05 08.20381	13 47 39.36	−11 41 12.3	15.6 V	691
(3748)	1997 05 08.22524	13 47 38.25	−11 41 09.8	15.7 V	691
(3748)	1997 05 08.24659	13 47 37.14	−11 41 08.1	15.7 V	691
(3945)	1997 05 06.14871	12 19 08.37	−02 19 34.1	18.4 V	691
(3945)	1997 05 06.17031	12 19 07.81	−02 19 31.1	18.7 V	691
(3945)	1997 05 06.19137	12 19 07.26	−02 19 28.3	18.3 V	691
(4309)	1997 05 08.27571	13 57 50.21	−11 08 16.8	19.6 V	691
(4309)	1997 05 08.29706	13 57 49.31	−11 08 11.4	19.6 V	691
(4309)	1997 05 08.31869	13 57 48.39	−11 08 06.9	19.7 V	691
(4463)	1997 04 30.23757	14 11 22.62	−10 58 37.5	18.3 V	691
(4463)	1997 04 30.25896	14 11 21.67	−10 58 32.8	18.3 V	691
(4463)	1997 04 30.28018	14 11 20.75	−10 58 27.6	18.4 V	691
(5020)	1997 04 27.15553	12 37 46.45	−03 56 20.9		691
(5020)	1997 04 27.17636	12 37 45.39	−03 56 13.8		691
(5020)	1997 04 27.19747	12 37 44.32	−03 56 06.8		691
(5063)	1997 05 05.19494	12 19 41.83	−03 59 37.3	19.1 V	691
(5063)	1997 05 05.21808	12 19 41.12	−03 59 32.8	19.0 V	691
(5063)	1997 05 05.24002	12 19 40.45	−03 59 28.5	18.5 V	691
(5158)	1997 05 03.16887	12 37 07.89	−02 49 49.1	18.9 V	691
(5158)	1997 05 03.19115	12 37 07.03	−02 49 45.6	18.9 V	691
(5158)	1997 05 03.21282	12 37 06.21	−02 49 42.0	19.0 V	691
(5158)	1997 05 09.15752	12 33 50.67	−02 35 58.7	19.2 V	691
(5158)	1997 05 09.17844	12 33 50.04	−02 35 56.5	19.2 V	691
(5158)	1997 05 09.19944	12 33 49.39	−02 35 53.8	19.3 V	691

(5210)	1997 05 03.15349	12 14 55.21	−02 41 26.1	18.3	V	691
(5210)	1997 05 03.17577	12 14 54.61	−02 41 23.1	18.3	V	691
(5210)	1997 05 03.19744	12 14 54.02	−02 41 20.3	18.1	V	691
(5210)	1997 05 09.14301	12 12 54.59	−02 31 02.9	18.5	V	691
(5210)	1997 05 09.16394	12 12 54.22	−02 31 01.7	18.5	V	691
(5210)	1997 05 09.18495	12 12 53.87	−02 30 59.9	18.6	V	691
(5239)	1997 05 02.24231	14 13 49.63	−03 45 55.5	17.1	V	691
(5239)	1997 05 02.27009	14 13 48.18	−03 45 51.5	17.1	V	691
(5239)	1997 05 02.32028	14 13 45.49	−03 45 44.8	17.1	V	691
(5498)	1997 04 30.15073	12 25 11.50	−03 25 58.8	17.9	V	691
(5498)	1997 04 30.17270	12 25 10.67	−03 25 52.2	18.0	V	691
(5498)	1997 04 30.19707	12 25 09.75	−03 25 45.1	18.1	V	691
(5498)	1997 05 09.14846	12 20 45.89	−02 48 07.2	18.3	V	691
(5498)	1997 05 09.16938	12 20 45.38	−02 48 02.8	18.2	V	691
(5498)	1997 05 09.19038	12 20 44.87	−02 47 58.4	18.2	V	691
(5880)	1997 05 14.20157	14 09 41.69	−12 53 40.7	16.8	V	691
(5880)	1997 05 14.22332	14 09 40.74	−12 53 35.8	16.9	V	691
(5880)	1997 05 14.24499	14 09 39.79	−12 53 31.3	16.9	V	691
(6532)	1997 05 02.35281	15 31 27.93	−13 02 20.7	17.1	V	691
(6532)	1997 05 02.37939	15 31 26.70	−13 02 16.8	17.4	V	691
(6532)	1997 05 02.40449	15 31 25.56	−13 02 12.8	17.5	V	691
(6532)	1997 05 10.33233	15 25 21.67	−12 43 11.6	16.9	V	691
(6532)	1997 05 10.35383	15 25 20.57	−12 43 06.6	17.0	V	691
(6532)	1997 05 10.37557	15 25 19.51	−12 43 03.7	17.1	V	691
(6789)	1997 05 09.28326	14 28 14.90	−04 19 03.7	18.0	V	691
(6789)	1997 05 09.30437	14 28 13.68	−04 18 58.9	17.8	V	691
(6789)	1997 05 09.32557	14 28 12.48	−04 18 53.6	17.8	V	691
(6791)	1997 05 05.26617	13 57 09.79	−12 55 24.8	18.8	V	691
(6791)	1997 05 05.28843	13 57 08.60	−12 55 17.7	18.8	V	691
(6791)	1997 05 05.31053	13 57 07.41	−12 55 10.5	18.7	V	691
(6814)	1997 04 30.15423	12 30 14.81	−03 02 51.7	17.9	V	691
(6814)	1997 04 30.17620	12 30 14.13	−03 02 47.0	17.6	V	691
(6814)	1997 04 30.20058	12 30 13.36	−03 02 41.0	17.4	V	691
(6814)	1997 05 03.16312	12 28 49.83	−02 51 42.8	17.4	V	691
(6814)	1997 05 03.18540	12 28 49.20	−02 51 38.0	17.6	V	691
(6814)	1997 05 03.20708	12 28 48.59	−02 51 33.6	17.9	V	691
(6814)	1997 05 09.15248	12 26 34.21	−02 33 15.4	17.6	V	691
(6814)	1997 05 09.17340	12 26 33.79	−02 33 12.1	17.7	V	691
(6814)	1997 05 09.19441	12 26 33.36	−02 33 09.0	17.8	V	691
(6879)	1997 05 03.23597	14 28 36.60	−03 19 34.4	17.3	V	691
(6879)	1997 05 03.25761	14 28 35.44	−03 19 29.8	17.9	V	691
(6879)	1997 05 03.27944	14 28 34.44	−03 19 26.3	17.9	V	691
(6879)	1997 05 10.25155	14 23 30.09	−03 02 58.5	18.0	V	691
(6879)	1997 05 10.29299	14 23 28.28	−03 02 53.5	18.0	V	691
(6879)	1997 05 10.31485	14 23 27.33	−03 02 50.7	18.0	V	691
(7609)	1997 05 06.15233	12 24 22.35	−02 10 38.0	16.5	V	691
(7609)	1997 05 06.17393	12 24 21.69	−02 10 41.0	16.7	V	691
(7609)	1997 05 06.19499	12 24 21.06	−02 10 44.5	16.5	V	691

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Measurer T. B. Spahr
1.54-m reflector + CCD
USNO-A1.0

1995 SB_4	1997 03 24.19625	08 59 46.67	−07 51 51.7	20.2	R	693
1995 SB_4	1997 03 24.19950	08 59 46.60	−07 51 50.8	20.3	R	693
1995 SX_{53}	1997 03 24.23397	10 39 44.05	−13 01 46.4	19.2	R	693
1995 SX_{53}	1997 03 24.23576	10 39 43.96	−13 01 46.0	19.2	R	693

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Observer C. W. Hergenrother
Measurer T. B. Spahr
1.2-m $f/8$ reflector + CCD
USNO-A1.0

1992 LR	1997 05 15.36418	19 39 06.65	−19 33 53.7	17.4	R	696
1992 LR	1997 05 15.36552	19 39 07.04	−19 33 52.2			696
1992 LR	1997 05 15.36819	19 39 07.78	−19 33 49.3	17.6	R	696
1992 UB	1997 05 14.44809	16 47 00.51	−18 44 42.2	19.6	R	696
1992 UB	1997 05 14.45527	16 47 00.10	−18 44 43.1	19.7	R	696
1992 UB	1997 05 15.35280	16 46 08.99	−18 46 25.3		S	696
1995 SB_4	1997 05 03.13157	09 03 33.18	−05 30 47.0			696
1995 SB_4	1997 05 03.13563	09 03 33.31	−05 30 46.3	21.0	R	696
1995 SB_4	1997 05 03.13990	09 03 33.40	−05 30 45.8	20.8	R	696
1995 SW_{29}	1997 05 02.13226	09 29 37.79	+00 42 43.2	18.0	R	696
1995 SW_{29}	1997 05 02.13431	09 29 37.83	+00 42 42.8			696
1995 SW_{29}	1997 05 02.13639	09 29 37.88	+00 42 42.5	17.7	R	696
1995 SX_{53}	1997 05 03.12207	10 23 31.63	−10 53 14.2	19.7	R	696
1995 SX_{53}	1997 05 03.12479	10 23 31.62	−10 53 13.8			696
1996 SK	1997 05 14.44120	18 22 31.89	−20 22 55.3	20.2	R	696
1996 SK	1997 05 14.44314	18 22 31.67	−20 22 54.7			696
1996 SK	1997 05 14.44531	18 22 31.42	−20 22 54.3	20.0	R	696
1996 SK	1997 05 15.37793	18 20 45.47	−20 22 43.1	19.9	R	696
1996 SK	1997 05 15.38292	18 20 44.88	−20 22 42.9	19.9	R	696
1996 SK	1997 05 15.38791	18 20 44.30	−20 22 42.9			696
1997 CQ_{29}	1997 03 04.24309	10 29 06.54	+10 44 13.0			696
1997 CQ_{29}	1997 03 04.37021	10 29 05.96	+10 44 17.1			696
1997 CQ_{29}	1997 03 04.44611	10 29 05.55	+10 44 20.3			696
1997 CQ_{29}	1997 03 05.44602	10 29 00.94	+10 44 45.8			696
1997 CQ_{29}	1997 03 07.42713	10 28 51.77	+10 45 40.6			696
1997 CQ_{29}	1997 03 07.45192	10 28 51.68	+10 45 41.4			696
1997 GX_{27}	1997 05 04.12366	11 45 13.90	+23 31 30.1	18.6	R	696
1997 GX_{27}	1997 05 04.12566	11 45 13.84	+23 31 24.3			696
1997 GX_{27}	1997 05 04.12775	11 45 13.76	+23 31 17.8	18.6	R	696
1997 JC	1997 05 02.41215	14 36 00.50	−12 59 40.5			696
1997 JC	1997 05 02.41492	14 36 00.18	−12 59 41.9	19.4	R	696
1997 JC	1997 05 02.41709	14 35 59.93	−12 59 43.3	19.3	R	696
1997 JC	1997 05 03.28682	14 34 18.99	−13 08 39.1			696
1997 JC	1997 05 03.29252	14 34 18.31	−13 08 42.7			696
1997 JC	1997 05 03.29699	14 34 17.77	−13 08 45.5	19.7	R	696

700 Chinle
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0.30-m $f/10$ Schmidt-Cassegrain + CCD
GSC

(1036)	1997 04 14.20424	12 27 14.36	−17 09 09.3	15.6 V	700
(1036)	1997 04 14.21112	12 27 14.03	−17 09 05.4	15.5 V	700
(1036)	1997 04 14.21823	12 27 13.68	−17 09 01.1	15.3 V	700
(1090)	1997 04 14.23951	12 54 25.48	+24 53 18.3	14.9 V	700
(1090)	1997 04 14.24993	12 54 25.06	+24 53 22.5	15.2 V	700
(1090)	1997 04 14.26063	12 54 24.55	+24 53 26.8	14.9 V	700
(1362)	1997 04 14.23951	12 54 47.08	+24 58 07.8	17.5 V	700
(1362)	1997 04 14.24993	12 54 46.65	+24 58 10.8	17.3 V	700
(1362)	1997 04 14.26063	12 54 46.20	+24 58 11.8	17.2 V	700

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Measurers J. Stuart, H. Viggh, J. Sharma
1.0-m $f/2.15$ reflector + CCD
GSC, USNO-SA1.0

1977 QY	1997 04 29.15156	10 32 50.45	+05 35 26.2	19.2	704
1977 QY	1997 04 29.18010	10 32 50.38	+05 35 22.1	19.2	704
1977 QY	1997 04 29.20861	10 32 50.23	+05 35 20.4	19.5	704
1977 QY	1997 04 29.26565	10 32 50.05	+05 35 15.4	19.5	704
1977 QF_1	1997 04 28.16082	10 29 06.70	+10 47 45.8	19.0	704
1977 QF_1	1997 04 28.19517	10 29 06.50	+10 47 39.3	19.3	704
1977 QF_1	1997 04 28.22961	10 29 06.34	+10 47 32.7	18.6	704
1977 QF_1	1997 04 28.26425	10 29 06.17	+10 47 26.8	18.6	704
1977 QF_1	1997 04 28.29947	10 29 05.83	+10 47 19.4	20.1	704
1977 QF_1	1997 04 29.14840	10 29 03.58	+10 44 46.8	18.6	704
1977 QF_1	1997 04 29.17693	10 29 03.49	+10 44 40.8	18.7	704
1977 QF_1	1997 04 29.20541	10 29 03.35	+10 44 35.7	18.7	704
1977 QF_1	1997 04 29.23414	10 29 03.26	+10 44 29.8	19.2	704
1977 QF_1	1997 04 29.26251	10 29 03.16	+10 44 24.8	19.2	704
1978 SB_8	1997 04 29.15302	10 33 13.23	+11 35 49.1	19.7	704
1978 SB_8	1997 04 29.18151	10 33 13.31	+11 35 43.3	20.0	704
1978 SB_8	1997 04 29.21006	10 33 13.45	+11 35 39.4	20.5	704
1978 SB_8	1997 04 29.26711	10 33 13.51	+11 35 29.8	20.8	704
1979 QW_3	1997 04 28.18488	10 51 16.47	+07 51 55.8	19.0	704
1979 QW_3	1997 04 28.21916	10 51 16.90	+07 51 53.3	19.0	704
1979 QW_3	1997 04 28.25382	10 51 17.31	+07 51 50.8	19.3	704
1979 QW_3	1997 04 28.28895	10 51 17.75	+07 51 47.4	19.5	704
1979 QW_3	1997 04 28.32415	10 51 17.98	+07 51 45.9	20.0	704
1979 QW_3	1997 04 29.16834	10 51 31.08	+07 50 43.4	19.3	704
1979 QW_3	1997 04 29.19679	10 51 31.48	+07 50 40.8	19.3	704
1979 QW_3	1997 04 29.22555	10 51 31.84	+07 50 39.2	19.6	704
1979 QW_3	1997 04 29.25398	10 51 32.25	+07 50 36.5	19.2	704
1979 QW_3	1997 04 29.28258	10 51 32.62	+07 50 34.0	19.2	704
1980 FF_3	1997 04 28.17153	10 37 28.22	+07 10 35.8	18.9	704
1980 FF_3	1997 04 28.20578	10 37 28.37	+07 10 30.0	19.7	704
1980 FF_3	1997 04 28.24022	10 37 28.59	+07 10 23.6	20.1	704
1980 FF_3	1997 04 28.27507	10 37 28.81	+07 10 16.4	20.1	704
1982 UT_5	1997 04 28.16443	10 34 26.27	+05 24 19.6	18.5	704
1982 UT_5	1997 04 28.19876	10 34 26.83	+05 24 20.8	18.8	704
1982 UT_5	1997 04 28.23323	10 34 27.41	+05 24 21.8	18.6	704
1982 UT_5	1997 04 28.26791	10 34 27.99	+05 24 22.7	18.9	704
1982 UT_5	1997 04 28.30316	10 34 28.42	+05 24 23.4	19.9	704
1982 UU_5	1997 04 28.15820	10 25 05.13	+04 06 58.1	19.0	704
1982 UU_5	1997 04 28.19245	10 25 05.42	+04 07 00.7	19.0	704
1982 UU_5	1997 04 28.22688	10 25 05.62	+04 07 01.8	19.0	704
1982 UU_5	1997 04 28.26153	10 25 05.84	+04 07 04.9	19.0	704
1982 UU_5	1997 04 29.14617	10 25 13.40	+04 07 55.1	18.5	704
1982 UU_5	1997 04 29.17468	10 25 13.62	+04 07 57.1	18.5	704
1982 UU_5	1997 04 29.20315	10 25 13.87	+04 07 59.4	18.5	704
1982 UU_5	1997 04 29.26028	10 25 14.32	+04 08 01.4	18.7	704
1982 VO_3	1997 04 30.20800	14 31 49.87	−11 53 25.6	19.4	704
1982 VO_3	1997 04 30.23030	14 31 48.88	−11 53 20.4	19.9	704
1982 VO_3	1997 04 30.25270	14 31 47.84	−11 53 16.8	19.7	704
1982 VO_3	1997 04 30.27517	14 31 46.80	−11 53 11.5	19.5	704
1982 VO_3	1997 04 30.29781	14 31 45.60	−11 53 07.9	20.1	704
1982 VO_3	1997 05 01.21410	14 31 04.48	−11 50 02.1	18.9	704
1982 VO_3	1997 05 01.23649	14 31 03.43	−11 49 57.8	19.7	704
1982 VO_3	1997 05 01.25895	14 31 02.45	−11 49 53.2	19.9	704
1982 VO_3	1997 05 01.28139	14 31 01.36	−11 49 48.7	19.6	704
1982 VO_3	1997 05 01.30393	14 31 00.34	−11 49 43.8	19.2	704
1982 VO_3	1997 05 05.32885	14 27 59.19	−11 36 20.1	19.3	704
1982 VO_3	1997 05 05.34622	14 27 58.40	−11 36 16.6	19.4	704
1982 VO_3	1997 05 05.36358	14 27 57.54	−11 36 12.6	19.8	704
1982 VO_3	1997 05 05.38094	14 27 56.81	−11 36 10.0	19.5	704
1982 VO_3	1997 05 05.39830	14 27 55.99	−11 36 06.8	19.9	704
1985 DC_1	1997 04 30.20752	14 30 57.28	−13 54 57.7		704
1985 DC_1	1997 04 30.22983	14 30 56.22	−13 54 51.9	18.3	704
1985 DC_1	1997 04 30.25222	14 30 55.14	−13 54 47.2	18.2	704
1985 DC_1	1997 04 30.27469	14 30 54.06	−13 54 41.9		704
1985 DC_1	1997 04 30.29732	14 30 52.99	−13 54 37.3		704
1985 DC_1	1997 05 01.21363	14 30 10.66	−13 51 06.5		704
1985 DC_1	1997 05 01.23601	14 30 09.58	−13 51 01.4		704
1985 DC_1	1997 05 01.25847	14 30 08.51	−13 50 56.3		704
1985 DC_1	1997 05 01.28092	14 30 07.43	−13 50 51.1		704
1985 DC_1	1997 05 01.30344	14 30 06.36	−13 50 45.6		704
1985 DC_1	1997 05 05.32731	14 27 01.55	−13 35 28.3		704
1985 DC_1	1997 05 05.34468	14 27 00.73	−13 35 24.2		704
1985 DC_1	1997 05 05.36204	14 26 59.92	−13 35 20.6	18.4	704
1985 DC_1	1997 05 05.37939	14 26 59.12	−13 35 16.7	18.4	704
1985 DC_1	1997 05 05.39675	14 26 58.28	−13 35 12.7		704
1986 UH_3	1997 04 30.20990	14 33 52.63	−16 11 02.7	19.1	704
1986 UH_3	1997 04 30.23220	14 33 51.43	−16 10 57.8	19.6	704
1986 UH_3	1997 04 30.25464	14 33 50.15	−16 10 50.7	19.5	704
1986 UH_3	1997 04 30.27707	14 33 48.83	−16 10 45.9	19.4	704
1986 UH_3	1997 04 30.29971	14 33 47.43	−16 10 40.3	19.8	704
1986 UH_3	1997 05 01.21599	14 32 57.84	−16 06 45.6	19.1	704
1986 UH_3	1997 05 01.23842	14 32 56.59	−16 06 38.5	19.8	704

1986 UH_3	1997 05 01.26085	14 32 55.34	−16 06 33.7	19.9	704
1986 UH_3	1997 05 01.28333	14 32 54.01	−16 06 28.2	19.7	704
1986 UH_3	1997 05 01.30585	14 32 52.82	−16 06 21.7	19.4	704
1986 XT	1997 04 30.20198	14 24 56.95	−17 58 14.7	19.2	704
1986 XT	1997 04 30.24650	14 24 54.29	−17 58 04.3	20.0	704
1986 XT	1997 04 30.26908	14 24 53.07	−17 57 59.5	19.4	704
1986 XT	1997 04 30.29170	14 24 51.61	−17 57 53.7	20.1	704
1987 RX	1997 04 03.27679	12 46 46.36	−03 02 00.6	19.6	704
1987 RX	1997 04 03.36226	12 46 42.56	−03 01 34.9		704
1987 RL_1	1997 04 30.20450	14 29 21.80	−12 20 13.9	18.4	704
1987 RL_1	1997 04 30.22678	14 29 20.37	−12 20 06.7	18.8	704
1987 RL_1	1997 04 30.24919	14 29 18.93	−12 20 00.2	18.5	704
1987 RL_1	1997 04 30.27166	14 29 17.47	−12 19 53.4	18.9	704
1987 RL_1	1997 04 30.29428	14 29 15.99	−12 19 45.5	19.0	704
1987 RL_1	1997 05 01.21061	14 28 19.08	−12 14 58.0		704
1987 RL_1	1997 05 01.23297	14 28 17.63	−12 14 51.2	18.4	704
1987 RL_1	1997 05 01.25543	14 28 16.18	−12 14 44.2	18.6	704
1987 RL_1	1997 05 01.27786	14 28 14.71	−12 14 37.2	18.4	704
1987 RL_1	1997 05 01.30038	14 28 13.30	−12 14 30.2	19.3	704
1988 VQ_1	1997 04 30.21958	14 44 04.75	−15 24 19.2	18.1	704
1988 VQ_1	1997 04 30.24186	14 44 03.27	−15 24 16.3	17.9	704
1988 VQ_1	1997 04 30.26446	14 44 01.75	−15 24 13.3	17.9	704
1988 VQ_1	1997 04 30.28685	14 44 00.27	−15 24 10.2	19.0	704
1988 VQ_1	1997 04 30.30941	14 43 58.75	−15 24 06.9	18.1	704
1988 VQ_1	1997 05 01.22576	14 42 59.33	−15 22 00.7	17.8	704
1988 VQ_1	1997 05 01.24821	14 42 57.85	−15 21 58.1	17.9	704
1988 VQ_1	1997 05 01.27063	14 42 56.33	−15 21 54.5	17.8	704
1988 VQ_1	1997 05 01.29313	14 42 54.82	−15 21 51.5	17.7	704
1988 VQ_1	1997 05 01.31584	14 42 53.29	−15 21 48.5	17.7	704
1988 VQ_1	1997 05 05.34063	14 38 31.81	−15 12 23.0	18.6	704
1988 VQ_1	1997 05 05.35799	14 38 30.66	−15 12 19.9	19.0	704
1988 VQ_1	1997 05 05.37535	14 38 29.46	−15 12 17.9	18.5	704
1988 VQ_1	1997 05 05.39271	14 38 28.31	−15 12 16.3	19.3	704
1988 VQ_1	1997 05 05.41007	14 38 27.16	−15 12 12.8	18.8	704
1989 AC_2	1997 04 30.22116	14 45 53.30	−16 19 48.7	18.1	704
1989 AC_2	1997 04 30.24346	14 45 51.90	−16 19 42.3	18.3	704
1989 AC_2	1997 04 30.26605	14 45 50.52	−16 19 36.2	18.0	704
1989 AC_2	1997 04 30.28847	14 45 49.11	−16 19 30.1	19.5	704
1989 AC_2	1997 04 30.31100	14 45 47.67	−16 19 23.4	18.3	704
1989 AC_2	1997 05 01.22736	14 44 52.60	−16 15 06.5	18.3	704
1989 AC_2	1997 05 01.24980	14 44 51.19	−16 15 00.0	18.7	704
1989 AC_2	1997 05 01.27222	14 44 49.84	−16 14 54.7	19.3	704
1989 AC_2	1997 05 01.29474	14 44 48.40	−16 14 47.2	19.0	704
1989 AC_2	1997 05 01.31744	14 44 47.00	−16 14 40.8	18.2	704
1989 AS_6	1997 04 30.24507	14 49 43.50	−10 23 17.7	19.6	704
1989 AS_6	1997 04 30.26764	14 49 42.27	−10 23 13.2	19.4	704
1989 AS_6	1997 04 30.29009	14 49 40.91	−10 23 07.0	20.0	704
1989 AS_6	1997 04 30.31292	14 49 39.51	−10 23 02.2	19.6	704
1989 CE_5	1997 04 30.21070	14 35 45.67	−18 55 43.2	18.1	704
1989 CE_5	1997 04 30.23301	14 35 44.37	−18 55 38.1	18.1	704
1989 CE_5	1997 04 30.25544	14 35 43.03	−18 55 32.4		704
1989 CE_5	1997 04 30.27786	14 35 41.70	−18 55 26.8		704
1989 CE_5	1997 04 30.30049	14 35 40.38	−18 55 20.9	18.2	704
1989 GU_3	1997 04 30.23804	14 29 35.81	−19 37 53.1	18.0	704
1989 GU_3	1997 04 30.26058	14 29 34.50	−19 37 46.2	18.1	704
1989 GU_3	1997 04 30.28301	14 29 33.20	−19 37 37.6	18.3	704
1989 GU_3	1997 04 30.30556	14 29 31.92	−19 37 30.5		704
1989 GU_3	1997 05 01.22191	14 28 40.93	−19 32 01.9	17.9	704
1989 GU_3	1997 05 01.26677	14 28 38.32	−19 31 45.9		704
1989 GU_3	1997 05 01.28926	14 28 37.03	−19 31 37.9		704
1989 GU_3	1997 05 01.31180	14 28 35.70	−19 31 29.7		704
1989 SR_2	1997 04 30.20847	14 33 30.51	−10 25 31.4		704
1989 SR_2	1997 04 30.23078	14 33 29.36	−10 25 26.3		704
1989 SR_2	1997 04 30.25318	14 33 28.23	−10 25 21.7	18.4	704
1989 SR_2	1997 04 30.27565	14 33 27.06	−10 25 16.8		704
1989 SR_2	1997 04 30.29829	14 33 25.89	−10 25 12.6	18.6	704
1989 SR_2	1997 05 01.21458	14 32 40.69	−10 22 01.8		704
1989 SR_2	1997 05 01.23697	14 32 39.54	−10 21 57.0		704
1989 SR_2	1997 05 01.25943	14 32 38.40	−10 21 52.3	18.5	704
1989 SR_2	1997 05 01.28188	14 32 37.24	−10 21 47.6		704
1989 SR_2	1997 05 01.30440	14 32 36.12	−10 21 42.7		704
1989 TB_1	1997 04 28.16082	10 27 48.90	+10 35 02.4	18.5	704
1989 TB_1	1997 04 28.19517	10 27 49.51	+10 34 53.9	19.7	704
1989 TB_1	1997 04 28.22961	10 27 50.21	+10 34 46.8	18.8	704
1989 TB_1	1997 04 28.26425	10 27 50.87	+10 34 39.7	19.0	704
1989 TB_1	1997 04 28.29947	10 27 51.44	+10 34 31.5	20.1	704
1989 TB_1	1997 04 29.14840	10 28 10.75	+10 31 21.6	18.8	704
1989 TB_1	1997 04 29.17693	10 28 11.36	+10 31 14.7	19.0	704
1989 TB_1	1997 04 29.20541	10 28 11.92	+10 31 08.6	19.1	704
1989 TB_1	1997 04 29.26251	10 28 13.15	+10 30 55.1	19.3	704
1989 YA_4	1997 04 28.15648	10 25 02.65	+09 22 37.5	18.4	704
1989 YA_4	1997 04 28.19074	10 25 03.90	+09 22 30.3	18.8	704
1989 YA_4	1997 04 28.22511	10 25 05.18	+09 22 22.6	18.7	704
1989 YA_4	1997 04 28.25977	10 25 06.50	+09 22 15.2	19.3	704
1989 YA_4	1997 04 28.29503	10 25 07.67	+09 22 07.7	20.0	704
1989 YA_4	1997 04 29.14474	10 25 42.66	+09 19 01.9	18.4	704
1989 YA_4	1997 04 29.17326	10 25 43.75	+09 18 55.5	18.5	704
1989 YA_4	1997 04 29.20173	10 25 44.86	+09 18 49.0	18.8	704
1989 YA_4	1997 04 29.23055	10 25 46.01	+09 18 42.0	19.2	704
1989 YA_4	1997 04 29.25887	10 25 47.12	+09 18 36.8	18.6	704
1989 YO_5	1997 04 30.20387	14 24 50.94	−10 49 55.4		704
1989 YO_5	1997 04 30.22615	14 24 49.82	−10 49 50.9		704
1989 YO_5	1997 04 30.24856	14 24 48.77	−10 49 46.3		704
1989 YO_5	1997 04 30.27102	14 24 47.67	−10 49 41.8		704
1989 YO_5	1997 04 30.29365	14 24 46.56	−10 49 37.6		704
1990 EU_4	1997 04 28.16252	10 29 50.93	+07 01 49.7	19.4	704
1990 EU_4	1997 04 28.19688	10 29 51.62	+07 01 42.7	19.6	704
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1990 EU_4	1997 04 28.26597	10 29 53.11	+07 01 28.7	19.8	704
1990 EU_4	1997 04 28.30115	10 29 53.80	+07 01 22.2	20.3	704
1990 EU_4	1997 04 29.14984	10 30 14.64	+06 58 34.1	19.5	704
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1990 EU_4	1997 04 29.20685	10 30 15.86	+06 58 22.5	19.6	704
1990 EU_4	1997 04 29.26392	10 30 17.20	+06 58 10.8	19.6	704

1990 RR_3	1997 04 28.17328	10 41 28.67	+10 45 41.1	19.6	704
1990 RR_3	1997 04 28.20753	10 41 28.68	+10 45 37.4	19.6	704
1990 RR_3	1997 04 28.24196	10 41 28.78	+10 45 32.5	19.7	704
1990 RR_3	1997 04 28.27681	10 41 28.85	+10 45 27.6	19.7	704
1990 RR_3	1997 04 28.31221	10 41 28.78	+10 45 22.8	19.7	704
1990 SV_{13}	1997 04 30.20182	14 26 36.68	−18 32 39.6		704
1990 SV_{13}	1997 04 30.22405	14 26 35.33	−18 32 35.5	18.3	704
1990 SV_{13}	1997 04 30.24634	14 26 33.99	−18 32 31.4	18.6	704
1990 SV_{13}	1997 04 30.26891	14 26 32.63	−18 32 27.0	18.4	704
1990 SV_{13}	1997 04 30.29154	14 26 31.27	−18 32 23.2	19.1	704
1990 SV_{13}	1997 05 01.20790	14 25 37.92	−18 29 25.8		704
1990 SV_{13}	1997 05 01.23024	14 25 36.60	−18 29 21.5		704
1990 SV_{13}	1997 05 01.25270	14 25 35.21	−18 29 17.2	18.2	704
1990 SV_{13}	1997 05 01.27512	14 25 33.86	−18 29 12.6	18.1	704
1990 SV_{13}	1997 05 01.29764	14 25 32.52	−18 29 08.3		704
1990 UK	1997 04 30.21848	14 43 27.28	−11 33 34.4	18.3	704
1990 UK	1997 04 30.24076	14 43 25.88	−11 33 34.3	18.5	704
1990 UK	1997 04 30.26334	14 43 24.47	−11 33 34.4	18.2	704
1990 UK	1997 04 30.28574	14 43 23.05	−11 33 34.5	18.9	704
1990 UK	1997 04 30.30831	14 43 21.64	−11 33 34.5	18.0	704
1990 UK	1997 05 05.33946	14 38 13.18	−11 33 56.0		704
1990 UK	1997 05 05.35683	14 38 12.08	−11 33 56.0	19.2	704
1990 UK	1997 05 05.37419	14 38 10.99	−11 33 56.2	18.9	704
1990 UK	1997 05 05.39155	14 38 09.92	−11 33 56.2	19.1	704
1990 UJ_1	1997 04 30.22085	14 44 56.52	−17 17 03.5	18.4	704
1990 UJ_1	1997 04 30.24313	14 44 55.34	−17 16 52.6	18.7	704
1990 UJ_1	1997 04 30.26573	14 44 54.19	−17 16 42.3	18.3	704
1990 UJ_1	1997 04 30.28815	14 44 53.08	−17 16 33.5	19.7	704
1990 UJ_1	1997 04 30.31068	14 44 51.81	−17 16 23.2	18.8	704
1990 UJ_1	1997 05 01.22607	14 44 05.79	−17 09 41.2	19.3	704
1990 UJ_1	1997 05 01.24853	14 44 04.67	−17 09 32.4	19.8	704
1990 UJ_1	1997 05 01.27096	14 44 03.42	−17 09 22.3	19.5	704
1990 UJ_1	1997 05 01.29345	14 44 02.28	−17 09 12.1	19.4	704
1990 UJ_1	1997 05 01.31615	14 44 01.09	−17 09 02.6	19.0	704
1990 VL_1	1997 04 30.20182	14 25 43.31	−18 58 20.4	18.5	704
1990 VL_1	1997 04 30.22405	14 25 42.06	−18 58 11.2	19.0	704
1990 VL_1	1997 04 30.24634	14 25 40.78	−18 58 02.1	19.2	704
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1990 VL_1	1997 05 01.23024	14 24 47.02	−18 51 15.9	19.0	704
1990 VL_1	1997 05 01.25270	14 24 45.68	−18 51 06.7	18.8	704
1990 VL_1	1997 05 01.27512	14 24 44.45	−18 50 57.4	18.6	704
1990 VL_1	1997 05 01.29764	14 24 43.27	−18 50 46.6	19.7	704
1990 VD_6	1997 04 28.17268	10 37 43.41	+10 46 41.5	19.3	704
1990 VD_6	1997 04 28.20694	10 37 43.52	+10 46 44.6	19.3	704
1990 VD_6	1997 04 28.24137	10 37 43.57	+10 46 46.9	19.3	704
1990 VD_6	1997 04 28.27624	10 37 43.73	+10 46 51.4	19.7	704
1990 VD_6	1997 04 28.31156	10 37 43.69	+10 46 54.2	20.3	704
1991 GB_3	1997 05 01.21315	14 31 55.36	−15 23 54.9		704
1991 GB_3	1997 05 01.23552	14 31 54.27	−15 23 50.2	18.2	704
1991 GB_3	1997 05 01.25799	14 31 53.20	−15 23 45.7		704
1991 GB_3	1997 05 01.28043	14 31 52.08	−15 23 40.8		704
1991 GB_3	1997 05 01.30295	14 31 50.99	−15 23 36.4		704
1991 GB_3	1997 05 05.32982	14 28 43.06	−15 09 34.5		704
1991 GB_3	1997 05 05.34718	14 28 42.24	−15 09 30.7		704
1991 GB_3	1997 05 05.36454	14 28 41.42	−15 09 27.4	18.5	704
1991 GB_3	1997 05 05.38191	14 28 40.59	−15 09 23.3		704
1991 GB_3	1997 05 05.39927	14 28 39.75	−15 09 19.7	18.3	704
1991 GE_9	1997 04 30.21769	14 42 03.57	−12 38 37.6	19.4	704
1991 GE_9	1997 04 30.23997	14 42 02.58	−12 38 32.5	19.4	704
1991 GE_9	1997 04 30.26253	14 42 01.60	−12 38 28.1	19.5	704
1991 GE_9	1997 04 30.30751	14 41 59.33	−12 38 18.6	19.7	704
1991 GE_9	1997 05 05.33985	14 38 09.43	−12 20 57.3	18.6	704
1991 GE_9	1997 05 05.35721	14 38 08.59	−12 20 54.6	19.4	704
1991 GE_9	1997 05 05.37457	14 38 07.81	−12 20 50.6	19.8	704
1991 GE_9	1997 05 05.39193	14 38 06.99	−12 20 46.7	19.5	704
1991 GE_9	1997 05 05.40929	14 38 06.19	−12 20 43.6	19.5	704
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1991 PG_{11}	1997 04 28.20827	10 40 23.32	+08 06 39.5	19.5	704
1991 PG_{11}	1997 04 28.24280	10 40 23.31	+08 06 43.1	19.9	704
1991 PG_{11}	1997 04 28.27761	10 40 23.26	+08 06 48.6	19.9	704
1991 PZ_{12}	1997 04 29.15047	10 30 46.87	+04 48 49.1	19.4	704
1991 PZ_{12}	1997 04 29.17899	10 30 47.13	+04 48 46.9	19.1	704
1991 PZ_{12}	1997 04 29.20749	10 30 47.41	+04 48 46.0	19.1	704
1991 PZ_{12}	1997 04 29.26455	10 30 47.65	+04 48 42.1	19.1	704
1991 RX_{10}	1997 04 28.16670	10 36 41.08	+10 28 17.7	19.7	704
1991 RX_{10}	1997 04 28.20106	10 36 40.95	+10 28 08.4	20.1	704
1991 RX_{10}	1997 04 28.23550	10 36 40.75	+10 27 59.9	20.0	704
1991 RX_{10}	1997 04 28.27020	10 36 40.69	+10 27 49.3	20.1	704
1991 TP_1	1997 05 01.22703	14 46 33.03	−17 33 58.8		704
1991 TP_1	1997 05 01.24948	14 46 31.56	−17 33 49.7	18.2	704
1991 TP_1	1997 05 01.27190	14 46 30.14	−17 33 41.1		704
1991 TP_1	1997 05 01.29441	14 46 28.70	−17 33 31.9		704
1991 TP_1	1997 05 01.31711	14 46 27.21	−17 33 22.6		704
1991 UF_1	1997 05 01.21889	14 36 14.53	−10 52 39.0	19.6	704
1991 UF_1	1997 05 01.24131	14 36 13.18	−10 52 33.1	20.1	704
1991 UF_1	1997 05 01.26373	14 36 11.80	−10 52 28.1	19.8	704
1991 UF_1	1997 05 01.28620	14 36 10.44	−10 52 22.4	20.1	704
1991 UF_1	1997 05 01.30876	14 36 08.99	−10 52 17.3	20.3	704
1991 VV_3	1997 04 30.21942	14 44 15.53	−15 12 56.0	18.9	704
1991 VV_3	1997 04 30.24170	14 44 14.16	−15 12 51.4	19.1	704
1991 VV_3	1997 04 30.26430	14 44 12.79	−15 12 46.7	19.4	704
1991 VV_3	1997 04 30.28670	14 44 11.40	−15 12 41.7	19.4	704
1991 VV_3	1997 04 30.30925	14 44 09.99	−15 12 35.5	19.0	704
1991 VV_3	1997 05 05.34063	14 39 10.17	−14 54 28.8	19.0	704
1991 VV_3	1997 05 05.35799	14 39 09.05	−14 54 24.8	19.2	704
1991 VV_3	1997 05 05.37535	14 39 07.98	−14 54 21.1	18.9	704
1991 VV_3	1997 05 05.39271	14 39 06.92	−14 54 17.2	19.2	704
1991 VV_3	1997 05 05.41007	14 39 05.86	−14 54 13.2	18.7	704
1992 WH_8	1997 04 28.15628	10 25 43.38	+09 58 37.8	19.4	704
1992 WH_8	1997 04 28.19056	10 25 43.73	+09 58 34.6	19.4	704
1992 WH_8	1997 04 28.22489	10 25 43.99	+09 58 28.9	19.9	704
1992 WH_8	1997 04 28.25958	10 25 44.57	+09 58 26.9	20.0	704

1992 WH_8	1997 04 28.29485	10 25 44.72	+09 58 23.0	20.0	704
1992 WH_8	1997 04 29.17310	10 25 56.73	+09 56 55.4	19.2	704
1992 WH_8	1997 04 29.20156	10 25 57.04	+09 56 50.9	19.2	704
1992 WH_8	1997 04 29.23039	10 25 57.42	+09 56 48.5	19.3	704
1992 WH_8	1997 04 29.25871	10 25 57.63	+09 56 44.0	19.3	704
1993 BM_{12}	1997 04 28.18011	10 47 10.51	+05 44 43.5		704
1993 BM_{12}	1997 04 28.18181	10 47 10.53	+05 44 43.0		704
1993 BM_{12}	1997 04 28.21440	10 47 11.01	+05 44 39.5		704
1993 BM_{12}	1997 04 28.21618	10 47 11.05	+05 44 39.8	18.8	704
1993 BM_{12}	1997 04 28.24900	10 47 11.54	+05 44 35.7	18.8	704
1993 BM_{12}	1997 04 28.25073	10 47 11.59	+05 44 36.2	18.8	704
1993 BM_{12}	1997 04 28.28376	10 47 12.01	+05 44 31.7	18.8	704
1993 BM_{12}	1997 04 28.28591	10 47 12.13	+05 44 32.4	18.9	704
1993 BM_{12}	1997 04 28.32107	10 47 12.73	+05 44 29.5	19.3	704
1993 BM_{12}	1997 04 29.16577	10 47 28.39	+05 42 55.3		704
1993 BM_{12}	1997 04 29.19425	10 47 28.86	+05 42 52.4		704
1993 BM_{12}	1997 04 29.22302	10 47 29.37	+05 42 49.6	19.2	704
1993 BM_{12}	1997 04 29.25144	10 47 29.86	+05 42 45.9	18.8	704
1993 BM_{12}	1997 04 29.28006	10 47 30.33	+05 42 42.7	18.8	704
1993 FV_{24}	1997 04 30.21102	14 35 00.76	−17 21 21.7		704
1993 FV_{24}	1997 04 30.23332	14 34 59.48	−17 21 14.9	18.2	704
1993 FV_{24}	1997 04 30.25576	14 34 58.21	−17 21 08.5	18.1	704
1993 FV_{24}	1997 04 30.27818	14 34 56.90	−17 21 01.9		704
1993 FV_{24}	1997 04 30.30080	14 34 55.61	−17 20 55.5	18.1	704
1993 FV_{24}	1997 05 01.21631	14 34 05.89	−17 16 30.8		704
1993 FV_{24}	1997 05 01.23874	14 34 04.62	−17 16 24.1		704
1993 FV_{24}	1997 05 01.26117	14 34 03.31	−17 16 18.1	18.3	704
1993 FV_{24}	1997 05 01.28365	14 34 02.00	−17 16 11.2	18.3	704
1993 FV_{24}	1997 05 01.30618	14 34 00.71	−17 16 04.8		704
1993 FV_{24}	1997 05 05.33175	14 30 20.61	−16 56 04.8	18.4	704
1993 FV_{24}	1997 05 05.34911	14 30 19.74	−16 55 59.1	20.1	704
1993 FV_{24}	1997 05 05.38383	14 30 17.63	−16 55 48.1	18.9	704
1993 FV_{24}	1997 05 05.40119	14 30 16.68	−16 55 42.7	18.6	704
1993 LU_1	1997 04 30.21086	14 35 50.54	−18 12 45.0		704
1993 LU_1	1997 04 30.23317	14 35 49.35	−18 12 34.3	18.6	704
1993 LU_1	1997 04 30.25560	14 35 48.20	−18 12 24.2	18.3	704
1993 LU_1	1997 04 30.27802	14 35 46.94	−18 12 14.1	18.1	704
1993 LU_1	1997 04 30.30064	14 35 45.73	−18 12 03.6	18.3	704
1993 LU_1	1997 05 01.21696	14 34 58.24	−18 05 00.1		704
1993 LU_1	1997 05 01.23937	14 34 57.02	−18 04 49.8		704
1993 LU_1	1997 05 01.26180	14 34 55.81	−18 04 39.4	18.3	704
1993 LU_1	1997 05 01.28429	14 34 54.62	−18 04 28.9		704
1993 LU_1	1997 05 01.30681	14 34 53.40	−18 04 18.2		704
1993 LU_1	1997 05 05.33156	14 31 23.90	−17 32 42.9		704
1993 LU_1	1997 05 05.34892	14 31 22.95	−17 32 34.6	18.4	704
1993 LU_1	1997 05 05.36628	14 31 22.03	−17 32 26.4	18.7	704
1993 LU_1	1997 05 05.38364	14 31 21.10	−17 32 17.9	18.8	704
1993 LU_1	1997 05 05.40100	14 31 20.18	−17 32 09.6	18.7	704
1993 OR_8	1997 04 30.21262	14 35 06.58	−11 06 35.6	20.1	704
1993 OR_8	1997 04 30.23490	14 35 05.57	−11 06 31.9	20.0	704
1993 OR_8	1997 04 30.25738	14 35 04.57	−11 06 26.0	20.0	704
1993 OR_8	1997 04 30.27978	14 35 03.56	−11 06 21.6	19.8	704
1993 OR_8	1997 05 01.21474	14 34 21.82	−11 02 57.6	19.8	704
1993 OR_8	1997 05 01.23713	14 34 20.74	−11 02 51.8	20.3	704
1993 OR_8	1997 05 01.25959	14 34 19.76	−11 02 47.5	20.4	704
1993 OR_8	1997 05 01.28204	14 34 18.74	−11 02 43.6	20.6	704
1993 OR_8	1997 05 01.30457	14 34 17.57	−11 02 37.9	20.4	704
1993 OR_8	1997 05 05.33368	14 31 18.37	−10 48 07.6	19.9	704
1993 OR_8	1997 05 05.35104	14 31 17.41	−10 48 02.9	20.5	704
1993 OR_8	1997 05 05.36840	14 31 16.77	−10 48 00.1	20.2	704
1993 OR_8	1997 05 05.40313	14 31 14.99	−10 47 52.1	20.6	704
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1994 JT	1997 04 28.20067	10 32 47.40	+11 08 27.2	20.4	704
1994 JT	1997 04 28.23513	10 32 48.26	+11 08 26.7	20.1	704
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1994 JT	1997 04 28.30510	10 32 49.72	+11 08 27.3	20.5	704
1994 PH_{18}	1997 04 30.20847	14 34 35.10	−10 49 22.8	18.4	704
1994 PH_{18}	1997 04 30.23078	14 34 33.99	−10 49 15.7	18.9	704
1994 PH_{18}	1997 04 30.25318	14 34 32.64	−10 49 08.4	18.9	704
1994 PH_{18}	1997 04 30.27565	14 34 31.43	−10 49 00.9	18.7	704
1994 PH_{18}	1997 04 30.29829	14 34 30.14	−10 48 52.9	19.0	704
1994 PH_{18}	1997 05 01.21458	14 33 42.75	−10 43 44.7		704
1994 PH_{18}	1997 05 01.23697	14 33 41.52	−10 43 37.4	18.4	704
1994 PH_{18}	1997 05 01.25943	14 33 40.26	−10 43 29.6	18.5	704
1994 PH_{18}	1997 05 01.28188	14 33 39.03	−10 43 22.3		704
1994 PH_{18}	1997 05 01.30440	14 33 37.78	−10 43 14.8		704
1994 RB_{17}	1997 04 28.15572	10 23 31.66	+11 07 41.2	19.3	704
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1994 RB_{17}	1997 04 28.22428	10 23 32.11	+11 07 39.9	19.3	704
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1994 UK_1	1997 04 29.21972	10 43 07.27	+09 57 25.9	19.7	704
1994 UK_1	1997 04 29.24813	10 43 06.95	+09 57 25.1	19.7	704
1994 UK_1	1997 04 29.27675	10 43 06.71	+09 57 22.3	19.7	704
1994 VC_1	1997 04 30.21467	14 39 17.68	−17 37 04.8	18.8	704
1994 VC_1	1997 04 30.23694	14 39 16.49	−17 37 00.1	19.2	704
1994 VC_1	1997 04 30.25945	14 39 15.23	−17 36 56.1	19.0	704
1994 VC_1	1997 04 30.28188	14 39 13.94	−17 36 51.3	19.1	704
1994 VC_1	1997 04 30.30445	14 39 12.59	−17 36 49.0	19.8	704
1994 VC_1	1997 05 01.22080	14 38 23.12	−17 33 52.4	18.5	704
1994 VC_1	1997 05 01.24324	14 38 21.87	−17 33 48.3	18.8	704
1994 VC_1	1997 05 01.26564	14 38 20.61	−17 33 43.7	18.8	704
1994 VC_1	1997 05 01.28813	14 38 19.36	−17 33 39.1	18.1	704
1994 VC_1	1997 05 01.31068	14 38 18.09	−17 33 34.9	18.5	704
1994 VC_1	1997 05 05.33599	14 34 39.12	−17 20 22.1	18.5	704
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1994 VC_1	1997 05 05.37072	14 34 37.19	−17 20 15.3	19.0	704
1994 VC_1	1997 05 05.38807	14 34 36.19	−17 20 11.6	19.1	704
1994 VC_1	1997 05 05.40543	14 34 35.21	−17 20 07.7	18.9	704
1994 VT_6	1997 04 30.21752	14 41 38.10	−13 10 18.5	18.6	704
1994 VT_6	1997 04 30.23981	14 41 36.92	−13 10 15.4	18.8	704
1994 VT_6	1997 04 30.26237	14 41 35.81	−13 10 10.5	19.2	704

1994 VT_6	1997 04 30.28478	14 41 34.66	−13 10 06.3	19.9	704
1994 VT_6	1997 04 30.30735	14 41 33.55	−13 10 02.7	19.1	704
1995 UM_8	1997 04 30.23349	14 35 01.71	−16 36 38.0	19.0	704
1995 UM_8	1997 04 30.25592	14 35 00.11	−16 36 34.3	18.9	704
1995 UM_8	1997 04 30.27835	14 34 58.57	−16 36 31.0	19.2	704
1995 UM_8	1997 04 30.30096	14 34 56.98	−16 36 27.2	19.3	704
1995 UM_8	1997 05 01.21615	14 33 56.15	−16 33 57.4	18.5	704
1995 UM_8	1997 05 01.23858	14 33 54.60	−16 33 54.1	19.3	704
1995 UM_8	1997 05 01.26101	14 33 53.07	−16 33 50.0	19.1	704
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1995 VE	1997 04 08.34754	14 46 54.47	−18 41 25.3		704
1995 VE	1997 04 08.42293	14 46 50.65	−18 41 17.2		704
1995 VE	1997 04 30.20213	14 25 10.58	−17 37 22.0	18.8	704
1995 VE	1997 04 30.22438	14 25 09.10	−17 37 16.6	19.1	704
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1995 VE	1997 04 30.29187	14 25 04.47	−17 37 00.9	19.4	704
1995 WT_5	1997 04 30.20673	14 30 35.48	−16 38 45.6		704
1995 WT_5	1997 04 30.22902	14 30 34.04	−16 38 42.6		704
1995 WT_5	1997 04 30.25142	14 30 32.62	−16 38 39.5		704
1995 WT_5	1997 04 30.27390	14 30 31.17	−16 38 36.4		704
1995 WT_5	1997 04 30.29651	14 30 29.72	−16 38 32.9		704
1995 WT_5	1997 05 01.21171	14 29 33.49	−16 36 25.6		704
1995 WT_5	1997 05 01.23407	14 29 32.09	−16 36 22.3		704
1995 WT_5	1997 05 01.25653	14 29 30.64	−16 36 19.4	18.4	704
1995 WT_5	1997 05 01.27899	14 29 29.20	−16 36 16.7	18.5	704
1995 WT_5	1997 05 01.30151	14 29 27.75	−16 36 13.4	18.3	704
1995 WH_7	1997 05 01.22911	14 49 08.07	−11 08 35.2	18.3	704
1995 WH_7	1997 05 01.25156	14 49 06.76	−11 08 28.7	18.7	704
1995 WH_7	1997 05 01.27398	14 49 05.42	−11 08 22.7	18.3	704
1995 WH_7	1997 05 01.29650	14 49 04.07	−11 08 16.6	18.3	704
1995 WH_7	1997 05 01.31997	14 49 02.68	−11 08 10.5	18.5	704
1995 YK_3	1997 04 28.18639	10 49 41.35	+02 56 20.2		704
1995 YK_3	1997 04 28.18657	10 49 41.40	+02 56 20.8	18.5	704
1995 YK_3	1997 04 28.22071	10 49 41.17	+02 56 23.6		704
1995 YK_3	1997 04 28.22089	10 49 41.23	+02 56 24.1	18.5	704
1995 YK_3	1997 04 28.25535	10 49 41.05	+02 56 27.2	18.5	704
1995 YK_3	1997 04 28.25554	10 49 41.03	+02 56 27.5	19.3	704
1995 YK_3	1997 04 28.29047	10 49 40.94	+02 56 31.6	18.5	704
1995 YK_3	1997 04 28.29067	10 49 40.87	+02 56 30.5	19.4	704
1995 YK_3	1997 04 28.32573	10 49 40.77	+02 56 33.9	19.3	704
1995 YK_3	1997 04 28.32592	10 49 40.49	+02 56 33.8	20.3	704
1995 YK_3	1997 04 29.16959	10 49 38.69	+02 57 51.9	18.5	704
1995 YK_3	1997 04 29.16975	10 49 38.72	+02 57 52.2	18.8	704
1995 YK_3	1997 04 29.19805	10 49 38.56	+02 57 55.4	18.5	704
1995 YK_3	1997 04 29.19821	10 49 38.71	+02 57 56.0	18.8	704
1995 YK_3	1997 04 29.22680	10 49 38.48	+02 57 57.7	19.1	704
1995 YK_3	1997 04 29.25523	10 49 38.33	+02 58 00.0	19.1	704
1995 YK_3	1997 04 29.25538	10 49 38.40	+02 58 00.9	19.5	704
1995 YK_3	1997 04 29.28383	10 49 38.28	+02 58 04.0	19.1	704
1995 YK_3	1997 04 29.28398	10 49 38.20	+02 58 02.9	19.5	704
1995 YP_3	1997 04 30.20387	14 26 06.49	−10 21 30.9		704
1995 YP_3	1997 04 30.22615	14 26 05.19	−10 21 24.2		704
1995 YP_3	1997 04 30.24856	14 26 03.89	−10 21 17.7		704
1995 YP_3	1997 04 30.27102	14 26 02.58	−10 21 11.4		704
1995 YP_3	1997 04 30.29365	14 26 01.25	−10 21 05.0	18.2	704
1995 YE_6	1997 04 30.21403	14 37 55.23	−15 02 01.2		704
1995 YE_6	1997 04 30.23631	14 37 53.94	−15 01 52.2	18.9	704
1995 YE_6	1997 04 30.25883	14 37 52.66	−15 01 43.4	18.4	704
1995 YE_6	1997 04 30.28123	14 37 51.37	−15 01 35.1		704
1995 YE_6	1997 04 30.30380	14 37 50.06	−15 01 26.0	18.7	704
1995 YE_6	1997 05 01.21777	14 37 01.08	−14 55 23.8		704
1995 YE_6	1997 05 01.24019	14 36 59.79	−14 55 15.5	18.9	704
1995 YE_6	1997 05 01.26261	14 36 58.52	−14 55 06.6	18.8	704
1995 YE_6	1997 05 01.28508	14 36 57.21	−14 54 57.4	18.5	704
1995 YE_6	1997 05 01.30762	14 36 55.93	−14 54 48.9	18.7	704
1996 AO_1	1997 04 30.21230	14 36 49.17	−12 13 17.4	20.1	704
1996 AO_1	1997 04 30.23459	14 36 47.73	−12 13 13.6	20.2	704
1996 AO_1	1997 04 30.25706	14 36 46.47	−12 13 07.7	19.7	704
1996 AO_1	1997 04 30.27946	14 36 45.08	−12 13 02.8	19.2	704
1996 AO_1	1997 04 30.30207	14 36 43.70	−12 12 59.3	19.8	704
1996 AO_1	1997 05 05.33329	14 31 48.28	−11 54 52.1	19.7	704
1996 AO_1	1997 05 05.35065	14 31 47.22	−11 54 49.8	19.9	704
1996 AO_1	1997 05 05.36802	14 31 46.18	−11 54 44.8	19.5	704
1996 AO_1	1997 05 05.38538	14 31 45.10	−11 54 42.2	19.8	704
1996 AO_1	1997 05 05.40274	14 31 44.05	−11 54 38.6	19.8	704
1996 BX	1997 04 30.20831	14 30 20.29	−10 36 47.0		704
1996 BX	1997 04 30.23062	14 30 19.15	−10 36 42.5	18.3	704
1996 BX	1997 04 30.25303	14 30 17.97	−10 36 37.8		704
1996 BX	1997 04 30.27550	14 30 16.81	−10 36 33.3		704
1996 BX	1997 04 30.29814	14 30 15.65	−10 36 28.5	18.6	704
1996 BX	1997 05 01.21014	14 29 30.31	−10 33 25.2	19.1	704
1996 BX	1997 05 01.23249	14 29 29.17	−10 33 20.3	18.9	704
1996 BX	1997 05 01.25495	14 29 27.97	−10 33 16.4	19.4	704
1996 BX	1997 05 01.27739	14 29 26.86	−10 33 11.8	18.8	704
1996 BX	1997 05 01.29990	14 29 25.72	−10 33 07.0	18.4	704
1996 HB	1997 04 30.20340	14 26 21.54	−12 35 18.3	18.5	704
1996 HB	1997 04 30.22566	14 26 20.43	−12 35 10.1	18.9	704
1996 HB	1997 04 30.24809	14 26 19.31	−12 35 02.1	18.8	704
1996 HB	1997 04 30.27053	14 26 18.15	−12 34 53.9	18.9	704
1996 HB	1997 04 30.29316	14 26 17.00	−12 34 44.9	19.3	704
1996 HB	1997 05 01.20950	14 25 32.11	−12 29 08.9		704
1996 HB	1997 05 01.23185	14 25 30.97	−12 29 00.4	18.7	704
1996 HB	1997 05 01.25431	14 25 29.87	−12 28 52.5	18.7	704
1996 HB	1997 05 01.27674	14 25 28.71	−12 28 44.3	18.8	704
1996 HB	1997 05 01.29925	14 25 27.57	−12 28 35.8		704
1997 BS_9	1997 03 06.15514	09 24 54.01	+18 38 03.5		704
1997 BS_9	1997 03 06.30023	09 24 48.52	+18 38 51.7		704
1997 CV_5	1997 03 04.19369	09 10 54.84	+22 33 16.1		704
1997 CV_5	1997 03 04.30316	09 10 51.10	+22 33 10.1		704
1997 CY_{16}	1997 04 29.14474	10 26 26.64	+09 10 14.5	19.6	704
1997 CY_{16}	1997 04 29.14490	10 26 26.57	+09 10 16.0	19.2	704
1997 CY_{16}	1997 04 29.17326	10 26 26.88	+09 10 18.6	19.6	704

1997 CY_{16}	1997 04 29.17342	10 26 26.93	+09 10 18.7	19.1	704
1997 CY_{16}	1997 04 29.20173	10 26 27.21	+09 10 21.0	19.9	704
1997 CY_{16}	1997 04 29.20189	10 26 27.24	+09 10 21.0	19.1	704
1997 CY_{16}	1997 04 29.23070	10 26 27.55	+09 10 23.2	19.3	704
1997 CY_{16}	1997 04 29.25887	10 26 27.89	+09 10 26.0	19.7	704
1997 CY_{16}	1997 04 29.25903	10 26 27.85	+09 10 25.4	19.4	704
1997 CX_{19}	1997 04 28.17424	10 40 02.27	+07 54 59.1	18.9	704
1997 CX_{19}	1997 04 28.20846	10 40 03.06	+07 54 49.8	19.5	704
1997 CX_{19}	1997 04 28.24298	10 40 03.83	+07 54 38.4	19.6	704
1997 CX_{19}	1997 04 28.27781	10 40 04.70	+07 54 26.9	19.4	704
1997 CY_{19}	1997 04 28.17368	10 39 52.93	+09 29 48.8	19.0	704
1997 CY_{19}	1997 04 28.20791	10 39 53.39	+09 29 39.1	19.7	704
1997 CY_{19}	1997 04 28.24241	10 39 53.84	+09 29 31.1	19.7	704
1997 CY_{19}	1997 04 28.27720	10 39 54.37	+09 29 22.2	19.8	704
1997 CY_{19}	1997 04 28.31261	10 39 54.61	+09 29 12.2	20.2	704
1997 CY_{19}	1997 04 29.15900	10 40 08.43	+09 25 26.4	18.7	704
1997 CY_{19}	1997 04 29.18749	10 40 08.83	+09 25 19.3	19.3	704
1997 CY_{19}	1997 04 29.21610	10 40 09.31	+09 25 12.2	20.0	704
1997 CY_{19}	1997 04 29.24464	10 40 09.66	+09 25 03.7	19.7	704
1997 CF_{20}	1997 04 29.14761	10 27 38.29	+07 40 49.7	19.4	704
1997 CF_{20}	1997 04 29.17612	10 27 38.86	+07 40 43.4	19.3	704
1997 CF_{20}	1997 04 29.20461	10 27 39.44	+07 40 37.0	20.2	704
1997 CF_{20}	1997 04 29.26170	10 27 40.36	+07 40 22.4	20.1	704
1997 CK_{20}	1997 04 28.15591	10 27 13.54	+11 24 50.1	18.7	704
1997 CK_{20}	1997 04 28.19016	10 27 14.29	+11 24 40.2	19.5	704
1997 CK_{20}	1997 04 28.22446	10 27 15.00	+11 24 29.0	19.0	704
1997 CK_{20}	1997 04 28.25920	10 27 15.76	+11 24 16.8	19.2	704
1997 CK_{20}	1997 04 28.29446	10 27 16.37	+11 24 05.7	20.2	704
1997 CK_{20}	1997 04 29.14855	10 27 37.64	+11 19 36.0	18.7	704
1997 CK_{20}	1997 04 29.17709	10 27 38.29	+11 19 26.5	18.9	704
1997 CK_{20}	1997 04 29.20557	10 27 39.00	+11 19 17.6	19.3	704
1997 CK_{20}	1997 04 29.23430	10 27 39.66	+11 19 07.5	19.9	704
1997 CK_{20}	1997 04 29.26266	10 27 40.29	+11 18 58.8	19.3	704
1997 CZ_{21}	1997 04 28.17232	10 37 22.03	+09 14 08.6	20.4	704
1997 CZ_{21}	1997 04 28.20656	10 37 22.65	+09 13 59.7	20.7	704
1997 CZ_{21}	1997 04 28.24097	10 37 23.23	+09 13 51.3	20.9	704
1997 CZ_{21}	1997 04 28.31117	10 37 24.49	+09 13 38.5	20.9	704
1997 CZ_{21}	1997 04 29.15774	10 37 43.38	+09 10 16.3	19.4	704
1997 CZ_{21}	1997 04 29.18623	10 37 43.99	+09 10 09.4	19.8	704
1997 CZ_{21}	1997 04 29.21483	10 37 44.59	+09 10 02.4	19.9	704
1997 CZ_{21}	1997 04 29.24339	10 37 45.19	+09 09 54.4	20.5	704
1997 CA_{22}	1997 04 28.17916	10 44 59.33	+09 06 47.5		704
1997 CA_{22}	1997 04 28.21343	10 45 00.04	+09 06 44.2	18.8	704
1997 CA_{22}	1997 04 28.24804	10 45 00.70	+09 06 39.3	18.9	704
1997 CA_{22}	1997 04 28.28280	10 45 01.41	+09 06 35.6	19.1	704
1997 CA_{22}	1997 04 28.31838	10 45 02.23	+09 06 32.6	19.6	704
1997 CA_{22}	1997 04 29.16358	10 45 21.88	+09 04 51.8		704
1997 CA_{22}	1997 04 29.19205	10 45 22.48	+09 04 48.2		704
1997 CA_{22}	1997 04 29.22082	10 45 23.09	+09 04 45.3	18.7	704
1997 CA_{22}	1997 04 29.24925	10 45 23.72	+09 04 41.4	18.6	704
1997 CA_{22}	1997 04 29.27784	10 45 24.33	+09 04 37.6	18.5	704
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1997 CB_{22}	1997 04 28.20578	10 38 56.39	+07 13 13.9		704
1997 CB_{22}	1997 04 28.24022	10 38 56.36	+07 13 10.2	18.8	704
1997 CB_{22}	1997 04 28.27507	10 38 56.35	+07 13 06.4	19.0	704
1997 CB_{22}	1997 04 28.31040	10 38 56.36	+07 13 02.5	19.1	704
1997 CB_{22}	1997 04 29.15726	10 38 57.92	+07 11 32.8	18.8	704
1997 CB_{22}	1997 04 29.18575	10 38 57.99	+07 11 28.5	18.8	704
1997 CB_{22}	1997 04 29.21436	10 38 58.04	+07 11 24.5	19.2	704
1997 CB_{22}	1997 04 29.24293	10 38 57.97	+07 11 21.7	19.4	704
1997 CB_{22}	1997 04 29.27140	10 38 58.04	+07 11 17.7	19.4	704
1997 CC_{22}	1997 04 28.17173	10 39 10.83	+07 55 48.4	18.8	704
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1997 CC_{22}	1997 04 28.24039	10 39 11.94	+07 55 30.0	20.0	704
1997 CC_{22}	1997 04 28.27529	10 39 12.68	+07 55 20.6	19.8	704
1997 CC_{22}	1997 04 29.15742	10 39 30.55	+07 51 37.7	19.1	704
1997 CC_{22}	1997 04 29.18591	10 39 31.10	+07 51 30.0	19.1	704
1997 CC_{22}	1997 04 29.21452	10 39 31.67	+07 51 22.4	20.1	704
1997 CC_{22}	1997 04 29.24308	10 39 32.16	+07 51 15.8	20.1	704
1997 EE	1997 04 28.18376	10 51 52.06	+11 24 20.9	19.5	704
1997 EE	1997 04 28.21804	10 51 52.46	+11 24 11.7	19.6	704
1997 EE	1997 04 28.25263	10 51 52.76	+11 24 00.5	19.9	704
1997 EE	1997 04 28.28781	10 51 53.16	+11 23 51.1	20.1	704
1997 EE	1997 04 29.16738	10 52 05.20	+11 19 52.2	20.2	704
1997 EE	1997 04 29.19585	10 52 05.42	+11 19 44.4	20.5	704
1997 EE	1997 04 29.22461	10 52 05.80	+11 19 34.9	20.5	704
1997 EE	1997 04 29.25301	10 52 06.24	+11 19 26.5	19.9	704
1997 EE	1997 04 29.28163	10 52 06.49	+11 19 18.8	20.6	704
1997 EB_6	1997 04 29.16738	10 50 23.94	+11 37 25.9	19.3	704
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1997 EB_6	1997 04 29.22461	10 50 24.50	+11 37 11.2	20.0	704
1997 EB_6	1997 04 29.25301	10 50 24.79	+11 37 03.8	19.4	704
1997 EB_6	1997 04 29.28163	10 50 25.04	+11 36 55.2	20.2	704
1997 ET_7	1997 04 28.17591	10 43 18.08	+03 52 26.7	18.3	704
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1997 ET_7	1997 04 28.24472	10 43 17.12	+03 52 15.6	20.1	704
1997 ET_7	1997 04 28.27953	10 43 16.51	+03 52 09.8	19.5	704
1997 ET_7	1997 04 29.16087	10 43 05.06	+03 49 45.0	19.0	704
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1997 ET_7	1997 04 29.21813	10 43 04.26	+03 49 34.4	18.9	704
1997 ET_7	1997 04 29.24654	10 43 03.91	+03 49 30.6	18.9	704
1997 ET_7	1997 04 29.27517	10 43 03.37	+03 49 25.4	20.2	704
1997 ER_{11}	1997 04 28.17954	10 46 50.84	+07 42 23.7	19.0	704
1997 ER_{11}	1997 04 28.21381	10 46 51.31	+07 42 18.0	19.0	704
1997 ER_{11}	1997 04 28.24843	10 46 51.87	+07 42 12.0	19.8	704
1997 ER_{11}	1997 04 28.28319	10 46 52.43	+07 42 07.3	19.9	704
1997 EP_{17}	1997 04 28.15971	10 28 05.18	+07 12 23.8		704
1997 EP_{17}	1997 04 28.19399	10 28 06.27	+07 12 25.1		704
1997 EP_{17}	1997 04 28.22846	10 28 07.38	+07 12 26.1		704
1997 EP_{17}	1997 04 28.26310	10 28 08.52	+07 12 27.8		704
1997 EP_{17}	1997 04 28.29835	10 28 09.69	+07 12 28.5	18.5	704
1997 EP_{17}	1997 04 29.14744	10 28 39.84	+07 12 54.5		704
1997 EP_{17}	1997 04 29.17596	10 28 40.79	+07 12 55.1		704
1997 EP_{17}	1997 04 29.20445	10 28 41.75	+07 12 55.9		704

1997 EP_{17}	1997 04 29.23320	10 28 42.75	+07 12 56.1		704
1997 EP_{17}	1997 04 29.26154	10 28 43.70	+07 12 57.1		704
1997 ER_{17}	1997 04 28.15740	10 25 23.75	+06 34 01.5	18.7	704
1997 ER_{17}	1997 04 28.19172	10 25 24.51	+06 33 59.1	19.4	704
1997 ER_{17}	1997 04 28.22610	10 25 25.28	+06 33 55.1	19.3	704
1997 ER_{17}	1997 04 28.26074	10 25 26.17	+06 33 53.7	19.7	704
1997 ER_{17}	1997 04 29.14554	10 25 49.93	+06 32 29.6	18.8	704
1997 ER_{17}	1997 04 29.17406	10 25 50.66	+06 32 26.6	18.8	704
1997 ER_{17}	1997 04 29.20252	10 25 51.40	+06 32 24.1	18.8	704
1997 ER_{17}	1997 04 29.25965	10 25 52.76	+06 32 17.2	19.5	704
1997 EQ_{25}	1997 04 29.16405	10 45 39.29	+07 17 48.0	20.1	704
1997 EQ_{25}	1997 04 29.19252	10 45 39.30	+07 17 53.2	20.1	704
1997 EQ_{25}	1997 04 29.24972	10 45 39.39	+07 18 02.2	20.3	704
1997 EQ_{25}	1997 04 29.27831	10 45 39.31	+07 18 05.7	20.3	704
1997 EM_{36}	1997 03 05.16207	09 03 01.61	+16 51 37.7		704
1997 EM_{36}	1997 03 05.30709	09 02 58.25	+16 52 34.1		704
1997 EB_{37}	1997 03 04.19562	09 07 55.61	+21 44 13.1		704
1997 EB_{37}	1997 03 04.34123	09 07 48.75	+21 44 13.4		704
1997 EQ_{42}	1997 03 12.23330	09 57 42.13	+09 28 09.4	17.7	704
1997 EQ_{42}	1997 03 12.33515	09 57 38.28	+09 28 47.3		704
1997 ET_{42}	1997 03 11.29407	09 55 38.36	+09 46 59.5	18.3	704
1997 ET_{42}	1997 03 11.39593	09 55 33.59	+09 46 59.4		704
1997 EL_{46}	1997 03 11.28185	10 05 39.43	+07 14 58.6	18.9	704
1997 EL_{46}	1997 03 11.38371	10 05 34.00	+07 14 59.3		704
1997 EM_{46}	1997 03 11.28949	10 07 01.15	+08 46 23.4		704
1997 EM_{46}	1997 03 11.39135	10 06 55.98	+08 47 04.3		704
1997 EN_{46}	1997 03 12.23024	10 05 11.40	+08 42 36.1	19.2	704
1997 EN_{46}	1997 03 12.33209	10 05 06.86	+08 42 56.0		704
1997 EO_{46}	1997 03 11.31494	10 06 33.99	+08 57 16.5	19.0	704
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1997 EP_{46}	1997 03 12.23126	10 08 46.01	+09 24 09.1	18.1	704
1997 EP_{46}	1997 03 12.33311	10 08 40.47	+09 24 40.1		704
1997 FL_{2}	1997 04 01.19232	08 41 09.13	+19 23 07.6	18.4	704
1997 FL_{2}	1997 04 01.25663	08 41 10.81	+19 22 58.8		704
1997 FZ_{4}	* 1997 03 31.32691	12 48 44.73	−06 35 58.4	18.8	704
1997 FZ_{4}	1997 03 31.41409	12 48 40.05	−06 35 12.8		704
1997 FA_{5}	* 1997 03 31.32764	12 48 05.49	−04 32 46.0	18.8	704
1997 FA_{5}	1997 03 31.41481	12 48 01.34	−04 32 04.7		704
1997 FB_{5}	* 1997 03 31.32957	12 49 15.10	−05 12 00.9	18.8	704
1997 FB_{5}	1997 03 31.41674	12 49 10.33	−05 11 34.5		704
1997 FC_{5}	* 1997 03 31.33512	12 52 47.34	−02 39 31.4	18.8	704
1997 FC_{5}	1997 03 31.42254	12 52 43.03	−02 38 55.6		704
1997 GU_{5}	1997 04 30.20513	14 27 29.41	−14 59 12.8	18.1	704
1997 GU_{5}	1997 04 30.22742	14 27 28.08	−14 59 09.3	18.6	704
1997 GU_{5}	1997 04 30.24981	14 27 26.70	−14 59 05.7	18.5	704
1997 GU_{5}	1997 04 30.27229	14 27 25.32	−14 59 02.4	18.4	704
1997 GU_{5}	1997 04 30.29491	14 27 23.92	−14 58 58.4	19.0	704
1997 GU_{5}	1997 05 01.20887	14 26 31.42	−14 56 36.0		704
1997 GU_{5}	1997 05 01.23121	14 26 30.09	−14 56 32.7	18.3	704
1997 GU_{5}	1997 05 01.25367	14 26 28.71	−14 56 29.5	18.5	704
1997 GU_{5}	1997 05 01.27609	14 26 27.34	−14 56 26.3	18.4	704
1997 GU_{5}	1997 05 01.29861	14 26 25.96	−14 56 22.3	18.3	704
1997 GV_{5}	1997 04 30.20261	14 25 52.21	−15 39 58.8	18.2	704
1997 GV_{5}	1997 04 30.22486	14 25 50.71	−15 39 57.3	19.7	704
1997 GV_{5}	1997 04 30.24729	14 25 49.46	−15 39 59.7	18.5	704
1997 GV_{5}	1997 04 30.26972	14 25 48.08	−15 40 00.7	18.3	704
1997 GV_{5}	1997 04 30.29235	14 25 46.62	−15 40 00.8	19.3	704
1997 GV_{5}	1997 05 01.20871	14 24 52.28	−15 40 24.7	18.4	704
1997 GV_{5}	1997 05 01.23105	14 24 50.88	−15 40 25.3	18.8	704
1997 GV_{5}	1997 05 01.25351	14 24 49.51	−15 40 25.8	18.6	704
1997 GV_{5}	1997 05 01.27593	14 24 48.11	−15 40 26.2	18.4	704
1997 GV_{5}	1997 05 01.29844	14 24 46.72	−15 40 26.5	18.3	704
1997 GX_{5}	1997 04 02.41358	14 49 06.20	−12 35 01.9	19.3	704
1997 GX_{5}	1997 04 02.44483	14 49 05.12	−12 34 57.0		704
1997 GX_{5}	1997 04 30.20387	14 26 44.54	−10 47 49.0	19.3	704
1997 GX_{5}	1997 04 30.22615	14 26 43.24	−10 47 43.2	19.6	704
1997 GX_{5}	1997 04 30.24856	14 26 41.93	−10 47 37.8	19.3	704
1997 GX_{5}	1997 04 30.27102	14 26 40.67	−10 47 33.6	19.6	704
1997 GX_{5}	1997 04 30.29365	14 26 39.17	−10 47 26.9	19.7	704
1997 GX_{5}	1997 05 01.20998	14 25 48.02	−10 43 49.6	18.9	704
1997 GX_{5}	1997 05 01.23233	14 25 46.66	−10 43 44.5	19.9	704
1997 GX_{5}	1997 05 01.25480	14 25 45.42	−10 43 38.8	19.4	704
1997 GX_{5}	1997 05 01.27723	14 25 44.07	−10 43 33.8	19.4	704
1997 GX_{5}	1997 05 01.29974	14 25 42.75	−10 43 28.5	19.0	704
1997 GJ_{6}	1997 04 30.20450	14 28 48.46	−12 19 48.7	19.1	704
1997 GJ_{6}	1997 04 30.22678	14 28 47.06	−12 19 44.3	19.6	704
1997 GJ_{6}	1997 04 30.24919	14 28 45.68	−12 19 39.6	19.3	704
1997 GJ_{6}	1997 04 30.27166	14 28 44.15	−12 19 35.5	19.8	704
1997 GJ_{6}	1997 05 01.21061	14 27 46.88	−12 16 26.5	18.9	704
1997 GJ_{6}	1997 05 01.23297	14 27 45.42	−12 16 22.1	19.5	704
1997 GJ_{6}	1997 05 01.25543	14 27 44.06	−12 16 17.7	19.6	704
1997 GJ_{6}	1997 05 01.27786	14 27 42.57	−12 16 13.8	19.3	704
1997 GJ_{6}	1997 05 01.30038	14 27 41.16	−12 16 09.2	19.2	704
1997 GL_{6}	1997 04 08.34894	14 47 06.85	−13 56 15.9		704
1997 GL_{6}	1997 04 08.42418	14 47 03.25	−13 55 53.1		704
1997 GL_{6}	1997 04 30.20356	14 27 16.25	−11 51 26.5	19.4	704
1997 GL_{6}	1997 04 30.22582	14 27 14.94	−11 51 18.5	19.9	704
1997 GL_{6}	1997 04 30.24824	14 27 13.56	−11 51 11.6	19.7	704
1997 GL_{6}	1997 04 30.27070	14 27 12.26	−11 51 03.1	19.7	704
1997 GL_{6}	1997 04 30.29332	14 27 10.73	−11 50 54.7	20.3	704
1997 GL_{6}	1997 05 01.20966	14 26 17.11	−11 45 26.5	18.8	704
1997 GL_{6}	1997 05 01.23201	14 26 15.70	−11 45 18.3	19.7	704
1997 GL_{6}	1997 05 01.25447	14 26 14.34	−11 45 10.4	19.5	704
1997 GL_{6}	1997 05 01.27691	14 26 12.98	−11 45 02.9	19.3	704
1997 GL_{6}	1997 05 01.29942	14 26 11.62	−11 44 54.4	19.3	704
1997 GM_{6}	1997 04 30.20815	14 30 50.96	−11 15 08.9	18.6	704
1997 GM_{6}	1997 04 30.23046	14 30 49.85	−11 14 57.1	18.8	704
1997 GM_{6}	1997 04 30.25287	14 30 48.68	−11 14 45.5	19.0	704
1997 GM_{6}	1997 04 30.27534	14 30 47.51	−11 14 33.5	18.6	704
1997 GM_{6}	1997 04 30.29798	14 30 46.31	−11 14 20.9	19.8	704
1997 GM_{6}	1997 05 01.21427	14 30 01.53	−11 06 11.9		704
1997 GM_{6}	1997 05 01.23665	14 30 00.38	−11 05 59.7	19.1	704
1997 GM_{6}	1997 05 01.25912	14 29 59.23	−11 05 47.9	18.8	704
1997 GM_{6}	1997 05 01.28156	14 29 58.07	−11 05 36.1	19.0	704

1997 GM_6	1997 05 01.30409	14 29 56.89	−11 05 23.4	19.1	704
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1997 GN_6	1997 04 30.22693	14 28 25.25	−13 13 59.7	20.1	704
1997 GN_6	1997 04 30.24934	14 28 24.05	−13 13 48.2	19.8	704
1997 GN_6	1997 04 30.27182	14 28 22.77	−13 13 38.8	19.9	704
1997 GN_6	1997 04 30.29444	14 28 21.53	−13 13 31.6	20.2	704
1997 GN_6	1997 05 01.21077	14 27 34.35	−13 07 15.9	19.3	704
1997 GN_6	1997 05 01.23313	14 27 33.05	−13 07 06.8	20.1	704
1997 GN_6	1997 05 01.25559	14 27 31.90	−13 06 57.4	19.8	704
1997 GN_6	1997 05 01.27803	14 27 30.68	−13 06 47.5	19.6	704
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1997 GO_6	1997 04 30.29699	14 31 08.98	−14 50 20.1	20.0	704
1997 GO_6	1997 05 01.21331	14 30 25.59	−14 46 50.9		704
1997 GO_6	1997 05 01.23568	14 30 24.48	−14 46 46.3	18.3	704
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1997 GO_6	1997 05 01.28060	14 30 22.25	−14 46 35.6		704
1997 GO_6	1997 05 01.30312	14 30 21.14	−14 46 30.5		704
1997 GP_6	1997 04 30.20261	14 27 08.94	−15 22 47.4		704
1997 GP_6	1997 04 30.22486	14 27 07.53	−15 22 44.6		704
1997 GP_6	1997 04 30.24729	14 27 06.12	−15 22 42.3		704
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1997 GP_6	1997 04 30.29235	14 27 03.23	−15 22 36.5		704
1997 GP_6	1997 05 01.20871	14 26 07.51	−15 20 41.5		704
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1997 GQ_6	1997 04 30.22470	14 26 29.31	−16 29 37.5	19.2	704
1997 GQ_6	1997 04 30.24713	14 26 27.89	−16 29 32.9	19.4	704
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1997 GQ_6	1997 04 30.29219	14 26 25.07	−16 29 25.1	19.7	704
1997 GQ_6	1997 05 01.20855	14 25 30.28	−16 26 37.0	19.1	704
1997 GQ_6	1997 05 01.23089	14 25 28.87	−16 26 33.0	18.9	704
1997 GQ_6	1997 05 01.25335	14 25 27.51	−16 26 28.8	19.0	704
1997 GQ_6	1997 05 01.27577	14 25 26.15	−16 26 25.0	18.6	704
1997 GQ_6	1997 05 01.29828	14 25 24.74	−16 26 20.6	18.9	704
1997 GU_6	1997 04 30.20182	14 27 08.21	−18 50 30.1	18.6	704
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1997 GU_6	1997 04 30.24634	14 27 05.25	−18 50 28.4	18.9	704
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1997 GU_6	1997 04 30.29154	14 27 02.22	−18 50 25.5	19.4	704
1997 GU_6	1997 05 01.20790	14 26 02.81	−18 49 39.1	18.2	704
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1997 GU_6	1997 05 01.27512	14 25 58.29	−18 49 35.2	18.3	704
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1997 GW_6	1997 04 30.20943	14 33 31.05	−14 05 33.8	18.4	704
1997 GW_6	1997 04 30.23173	14 33 29.90	−14 05 21.5	19.1	704
1997 GW_6	1997 04 30.25415	14 33 28.80	−14 05 09.8	18.9	704
1997 GW_6	1997 04 30.27660	14 33 27.71	−14 04 57.4	19.1	704
1997 GW_6	1997 04 30.29923	14 33 26.56	−14 04 45.1	19.1	704
1997 GW_6	1997 05 01.21536	14 32 42.29	−13 56 24.6	18.8	704
1997 GW_6	1997 05 01.23778	14 32 41.15	−13 56 12.3	19.3	704
1997 GW_6	1997 05 01.26023	14 32 40.02	−13 55 59.9	19.1	704
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1997 GX_6	1997 04 08.42653	14 49 28.85	−16 21 17.2		704
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1997 GY_6	1997 04 30.25030	14 28 50.80	−16 57 38.6	19.5	704
1997 GY_6	1997 04 30.27278	14 28 49.29	−16 57 39.2	19.9	704
1997 GY_6	1997 04 30.29538	14 28 47.78	−16 57 40.7	19.8	704
1997 GY_6	1997 05 01.21171	14 27 50.73	−16 58 07.8	19.2	704
1997 GY_6	1997 05 01.23407	14 27 49.36	−16 58 07.5	20.0	704
1997 GY_6	1997 05 01.25653	14 27 47.92	−16 58 09.6	20.1	704
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1997 GZ_6	1997 04 08.42387	14 48 15.47	−14 49 32.8		704
1997 GZ_6	1997 04 30.20482	14 28 09.72	−14 00 59.8	18.4	704
1997 GZ_6	1997 04 30.22710	14 28 08.29	−14 00 55.8	18.7	704
1997 GZ_6	1997 04 30.24950	14 28 06.89	−14 00 52.6	18.9	704
1997 GZ_6	1997 04 30.27197	14 28 05.47	−14 00 48.8	18.9	704
1997 GZ_6	1997 05 01.20919	14 27 08.39	−13 58 18.0	18.9	704
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1997 GZ_6	1997 05 01.29893	14 27 02.70	−13 58 04.1	18.9	704
1997 GA_7	1997 04 08.34878	14 48 22.44	−14 33 47.2		704
1997 GA_7	1997 04 08.42403	14 48 19.02	−14 33 35.5		704
1997 GB_7	1997 04 30.20752	14 30 10.44	−14 00 19.1		704
1997 GB_7	1997 04 30.22983	14 30 09.03	−14 00 15.1		704
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1997 GB_7	1997 04 30.27469	14 30 06.23	−14 00 06.5		704
1997 GB_7	1997 04 30.29732	14 30 04.79	−14 00 02.3	18.2	704
1997 GB_7	1997 05 01.21093	14 29 09.85	−13 57 10.7		704
1997 GB_7	1997 05 01.23328	14 29 08.45	−13 57 06.3	18.4	704
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1997 GB_7	1997 05 01.27818	14 29 05.65	−13 56 58.4	18.3	704
1997 GB_7	1997 05 01.30070	14 29 04.24	−13 56 54.0		704
1997 GD_7	1997 04 30.21214	14 35 16.91	−13 21 25.3	19.2	704

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1997 GD_7	1997 05 01.21521	14 34 29.96	−13 18 13.3	19.5	704
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1997 GD_7	1997 05 01.28253	14 34 26.67	−13 18 00.3	19.4	704
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1997 GE_7	1997 05 01.23697	14 32 21.37	−10 27 12.2	19.1	704
1997 GE_7	1997 05 01.25943	14 32 20.26	−10 27 01.8	19.7	704
1997 GE_7	1997 05 01.28188	14 32 19.10	−10 26 50.7	19.3	704
1997 GE_7	1997 05 01.30440	14 32 17.97	−10 26 39.8	19.0	704
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1997 GH_7	1997 04 30.20815	14 31 48.36	−11 05 13.1	19.0	704
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1997 GH_7	1997 04 30.27534	14 31 44.67	−11 04 59.7	19.3	704
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1997 GN_7	1997 05 01.23217	14 26 38.76	−11 31 28.9	19.7	704
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1997 GP_7	1997 04 08.42921	14 52 31.63	−11 10 37.3		704
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1997 GQ_7	1997 04 30.23030	14 30 37.99	−11 46 00.1		704
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1997 GQ_7	1997 04 30.29781	14 30 34.04	−11 45 57.5		704
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1997 GQ_7	1997 05 01.27770	14 29 38.31	−11 45 19.4		704
1997 GQ_7	1997 05 01.30022	14 29 36.99	−11 45 18.6		704
1997 GQ_7	1997 05 05.32789	14 25 48.82	−11 42 51.1		704
1997 GQ_7	1997 05 05.34525	14 25 47.80	−11 42 50.3		704
1997 GQ_7	1997 05 05.36262	14 25 46.59	−11 42 50.9	20.3	704
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1997 GQ_7	1997 05 05.39733	14 25 44.80	−11 42 48.7		704
1997 GR_7	1997 04 30.20293	14 26 54.68	−14 27 07.0	19.2	704
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1997 GY_7	1997 05 01.28124	14 31 37.97	−12 42 07.7	18.6	704
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1997 GE_8	1997 04 08.35269	14 52 09.03	−16 56 22.2		704
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1997 GE_8	1997 05 05.39927	14 27 39.57	−15 00 16.5	19.7	704
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1997 GF_8	1997 04 08.42764	14 52 53.16	−17 35 08.6		704
1997 GF_8	1997 04 30.21022	14 32 58.50	−17 42 08.0	18.7	704
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1997 GF_8	1997 04 30.25496	14 32 55.49	−17 42 06.3	18.6	704
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1997 GF_8	1997 04 30.30002	14 32 52.50	−17 42 04.4	18.6	704
1997 GF_8	1997 05 01.21267	14 31 54.81	−17 41 25.5	19.2	704
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1997 GH_{8}	1997 05 01.30569	14 33 18.42	−15 26 54.2		704
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1997 GJ_{8}	1997 04 30.23917	14 40 23.52	−15 53 41.0	18.1	704
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1997 GJ_{8}	1997 04 30.30670	14 40 20.37	−15 53 16.0	18.7	704
1997 GJ_{8}	1997 05 01.22032	14 39 39.08	−15 47 36.7	18.8	704
1997 GJ_{8}	1997 05 01.24275	14 39 38.06	−15 47 28.6	18.8	704
1997 GJ_{8}	1997 05 01.26516	14 39 37.03	−15 47 20.5	18.8	704
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1997 GJ_{8}	1997 05 05.35490	14 36 32.00	−15 21 55.1	18.8	704
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1997 GJ_{8}	1997 05 05.40698	14 36 29.58	−15 21 36.0	18.4	704
1997 GK_{8}	1997 04 30.21641	14 40 03.52	−17 14 57.6	18.7	704
1997 GK_{8}	1997 04 30.23869	14 40 02.42	−17 14 53.0	18.6	704
1997 GK_{8}	1997 04 30.26123	14 40 01.27	−17 14 48.4	18.6	704
1997 GK_{8}	1997 04 30.28366	14 40 00.14	−17 14 44.6	18.3	704
1997 GK_{8}	1997 04 30.30621	14 39 58.98	−17 14 39.8	19.1	704
1997 GK_{8}	1997 05 01.22080	14 39 14.81	−17 11 38.0	18.6	704
1997 GK_{8}	1997 05 01.24324	14 39 13.73	−17 11 34.1	19.1	704
1997 GK_{8}	1997 05 01.26564	14 39 12.54	−17 11 29.2	18.9	704
1997 GK_{8}	1997 05 01.28813	14 39 11.43	−17 11 24.8	18.3	704
1997 GK_{8}	1997 05 01.31068	14 39 10.30	−17 11 20.7	18.6	704
1997 GK_{8}	1997 05 05.33715	14 35 55.01	−16 57 43.8	18.4	704
1997 GK_{8}	1997 05 05.35452	14 35 54.15	−16 57 40.1	19.0	704
1997 GK_{8}	1997 05 05.37187	14 35 53.28	−16 57 36.5	18.8	704
1997 GK_{8}	1997 05 05.38923	14 35 52.40	−16 57 33.1	19.3	704
1997 GK_{8}	1997 05 05.40660	14 35 51.56	−16 57 28.7	19.1	704
1997 GL_{8}	1997 04 06.32043	14 54 27.22	−18 02 32.7	18.6	704
1997 GL_{8}	1997 04 06.41490	14 54 23.66	−18 02 32.5		704
1997 GL_{8}	1997 04 30.21022	14 33 46.74	−17 36 11.0		704
1997 GL_{8}	1997 04 30.23253	14 33 45.30	−17 36 08.3		704
1997 GL_{8}	1997 04 30.25496	14 33 43.86	−17 36 05.3		704
1997 GL_{8}	1997 04 30.27739	14 33 42.42	−17 36 02.5		704
1997 GL_{8}	1997 04 30.30002	14 33 40.94	−17 36 00.0		704
1997 GL_{8}	1997 05 01.21631	14 32 44.15	−17 33 58.7		704
1997 GL_{8}	1997 05 01.23874	14 32 42.69	−17 33 55.6		704
1997 GL_{8}	1997 05 01.26117	14 32 41.26	−17 33 52.8		704
1997 GL_{8}	1997 05 01.28365	14 32 39.78	−17 33 49.5		704
1997 GL_{8}	1997 05 01.30618	14 32 38.37	−17 33 46.8		704
1997 GL_{8}	1997 05 05.33059	14 28 27.04	−17 24 23.2		704
1997 GL_{8}	1997 05 05.34795	14 28 25.92	−17 24 20.4		704
1997 GL_{8}	1997 05 05.36531	14 28 24.78	−17 24 18.0		704
1997 GL_{8}	1997 05 05.38267	14 28 23.66	−17 24 15.7		704
1997 GL_{8}	1997 05 05.40004	14 28 22.57	−17 24 12.7		704
1997 GM_{8}	1997 04 30.21150	14 36 18.99	−15 35 16.6	19.2	704
1997 GM_{8}	1997 04 30.23380	14 36 17.81	−15 35 08.9	19.9	704
1997 GM_{8}	1997 04 30.25625	14 36 16.45	−15 34 59.9	19.4	704
1997 GM_{8}	1997 04 30.27867	14 36 15.18	−15 34 51.3	19.1	704
1997 GM_{8}	1997 04 30.30128	14 36 13.92	−15 34 42.9	19.7	704
1997 GM_{8}	1997 05 01.21760	14 35 23.11	−15 28 50.2	19.0	704
1997 GM_{8}	1997 05 01.24002	14 35 21.85	−15 28 40.8	19.7	704
1997 GM_{8}	1997 05 01.26245	14 35 20.55	−15 28 32.4	19.7	704
1997 GM_{8}	1997 05 01.28492	14 35 19.22	−15 28 23.8	19.7	704
1997 GM_{8}	1997 05 01.30746	14 35 17.96	−15 28 14.4	19.4	704
1997 GM_{8}	1997 05 05.33233	14 31 34.53	−15 02 10.9	19.6	704
1997 GM_{8}	1997 05 05.34969	14 31 33.51	−15 02 03.2	20.0	704
1997 GM_{8}	1997 05 05.38441	14 31 31.59	−15 01 50.4	20.3	704
1997 GM_{8}	1997 05 05.40177	14 31 30.35	−15 01 43.3	20.3	704
1997 GN_{8}	1997 05 01.22064	14 37 59.67	−17 00 32.5	18.6	704
1997 GN_{8}	1997 05 01.24307	14 37 58.51	−17 00 29.9	18.9	704
1997 GN_{8}	1997 05 01.26548	14 37 57.35	−17 00 26.3	19.1	704
1997 GN_{8}	1997 05 01.28797	14 37 56.20	−17 00 23.0	18.8	704
1997 GN_{8}	1997 05 01.31053	14 37 55.07	−17 00 20.1	18.8	704
1997 GN_{8}	1997 05 05.33580	14 34 35.95	−16 50 44.5	18.9	704
1997 GN_{8}	1997 05 05.35316	14 34 35.11	−16 50 42.0	19.7	704
1997 GN_{8}	1997 05 05.37052	14 34 34.21	−16 50 40.2	19.2	704
1997 GN_{8}	1997 05 05.38788	14 34 33.31	−16 50 37.7	19.5	704
1997 GN_{8}	1997 05 05.40524	14 34 32.44	−16 50 34.6	19.1	704
1997 GQ_{8}	1997 04 05.25788	12 49 20.89	−03 34 06.2	17.1	704
1997 GQ_{8}	1997 04 05.35213	12 49 16.41	−03 33 22.2		704
1997 GY_{10}	1997 04 06.15228	12 52 30.95	−06 43 39.9	18.4	704
1997 GY_{10}	1997 04 06.21933	12 52 26.52	−06 43 23.7		704
1997 GQ_{11}	1997 04 07.14216	12 52 16.34	−09 22 16.4	18.8	704
1997 GQ_{11}	1997 04 07.22061	12 52 11.20	−09 21 59.6		704
1997 GF_{14}	1997 04 06.17830	12 58 15.28	−09 47 10.6	17.9	704
1997 GF_{14}	1997 04 06.24447	12 58 11.44	−09 46 49.4		704
1997 GG_{15}	1997 04 06.18260	12 59 37.35	−07 43 35.2	17.9	704
1997 GG_{15}	1997 04 06.24812	12 59 33.38	−07 43 16.3		704
1997 GT_{20}	1997 04 03.28325	12 55 38.07	−10 14 01.2	17.6	704
1997 GT_{20}	1997 04 03.39755	12 55 30.05	−10 14 18.8		704
1997 GX_{20}	1997 04 03.28278	12 56 00.51	−08 04 27.1	20.2	704
1997 GX_{20}	1997 04 03.39708	12 55 53.40	−08 03 36.3		704
1997 GC_{21}	1997 04 05.22987	12 52 16.76	−07 04 23.8	18.6	704
1997 GC_{21}	1997 04 05.35543	12 52 09.70	−07 03 59.3		704
1997 GH_{21}	1997 04 02.41671	14 51 36.25	−14 18 13.1	20.1	704
1997 GH_{21}	1997 04 02.45837	14 51 34.83	−14 18 12.1		704
1997 GH_{21}	1997 05 01.21093	14 29 32.68	−14 02 55.4	19.7	704
1997 GH_{21}	1997 05 01.23328	14 29 31.53	−14 02 55.7	19.7	704
1997 GH_{21}	1997 05 01.25574	14 29 30.26	−14 02 55.0	20.2	704
1997 GH_{21}	1997 05 01.27818	14 29 28.96	−14 02 52.6	19.9	704
1997 GH_{21}	1997 05 01.30070	14 29 27.76	−14 02 53.8	19.6	704
1997 GH_{21}	1997 05 05.32731	14 25 52.35	−13 58 59.3	19.1	704
1997 GH_{21}	1997 05 05.34468	14 25 51.40	−13 58 58.8	19.5	704
1997 GH_{21}	1997 05 05.36204	14 25 50.51	−13 58 58.2	19.7	704
1997 GH_{21}	1997 05 05.37939	14 25 49.58	−13 58 57.5	19.4	704
1997 GH_{21}	1997 05 05.39675	14 25 48.61	−13 58 55.5	19.3	704
1997 GJ_{21}	1997 04 02.41653	14 51 42.22	−15 14 48.6	20.1	704
1997 GJ_{21}	1997 04 02.45820	14 51 41.31	−15 14 24.0		704
1997 GK_{21}	1997 04 07.29302	14 50 38.11	−14 46 00.2	18.5	704

1997 GK_{21}	1997 04 07.39828	14 50 34.93	−14 45 32.4		704
1997 GK_{21}	1997 04 30.20894	14 33 57.45	−12 33 01.0		704
1997 GK_{21}	1997 04 30.23126	14 33 56.17	−12 32 52.2		704
1997 GK_{21}	1997 04 30.25366	14 33 54.92	−12 32 43.4		704
1997 GK_{21}	1997 04 30.27613	14 33 53.63	−12 32 34.7		704
1997 GK_{21}	1997 04 30.29876	14 33 52.29	−12 32 26.4	18.7	704
1997 GK_{21}	1997 05 01.21505	14 33 03.05	−12 26 27.6		704
1997 GK_{21}	1997 05 01.23746	14 33 01.78	−12 26 18.9		704
1997 GK_{21}	1997 05 01.25990	14 33 00.38	−12 26 10.8	19.8	704
1997 GK_{21}	1997 05 01.28237	14 32 59.20	−12 26 01.4		704
1997 GK_{21}	1997 05 01.30489	14 32 57.91	−12 25 52.4		704
1997 GL_{21}	1997 04 30.20689	14 31 38.48	−16 29 00.3	19.3	704
1997 GL_{21}	1997 04 30.22918	14 31 37.37	−16 28 55.2	19.0	704
1997 GL_{21}	1997 04 30.25158	14 31 36.19	−16 28 50.7	18.9	704
1997 GL_{21}	1997 04 30.27406	14 31 35.04	−16 28 45.2	19.1	704
1997 GL_{21}	1997 04 30.29667	14 31 33.85	−16 28 40.8	19.3	704
1997 GL_{21}	1997 05 01.21299	14 30 48.30	−16 25 22.9	18.3	704
1997 GL_{21}	1997 05 01.25782	14 30 45.97	−16 25 13.0	18.8	704
1997 GL_{21}	1997 05 01.28027	14 30 44.82	−16 25 08.4	18.9	704
1997 GL_{21}	1997 05 01.30279	14 30 43.66	−16 25 03.4	18.7	704
1997 GM_{21}	1997 04 02.41584	14 52 53.45	−17 36 27.9	19.9	704
1997 GM_{21}	1997 04 02.45750	14 52 52.24	−17 36 22.8		704
1997 GM_{21}	1997 04 30.20990	14 33 07.77	−16 24 27.3	18.9	704
1997 GM_{21}	1997 04 30.23220	14 33 06.53	−16 24 22.7	18.8	704
1997 GM_{21}	1997 04 30.25464	14 33 05.31	−16 24 17.6	18.8	704
1997 GM_{21}	1997 04 30.27707	14 33 04.04	−16 24 12.8	19.1	704
1997 GM_{21}	1997 04 30.29971	14 33 02.73	−16 24 08.0	19.3	704
1997 GM_{21}	1997 05 01.21299	14 32 13.98	−16 20 41.6	19.3	704
1997 GM_{21}	1997 05 01.23536	14 32 12.65	−16 20 35.5	19.6	704
1997 GM_{21}	1997 05 01.25782	14 32 11.42	−16 20 31.1	19.6	704
1997 GM_{21}	1997 05 01.28027	14 32 10.04	−16 20 26.2	19.5	704
1997 GM_{21}	1997 05 01.30279	14 32 08.78	−16 20 23.4	19.7	704
1997 GM_{21}	1997 05 05.33020	14 28 31.85	−16 04 47.7	18.4	704
1997 GM_{21}	1997 05 05.34756	14 28 30.88	−16 04 43.3	18.4	704
1997 GM_{21}	1997 05 05.36493	14 28 29.89	−16 04 39.0	19.0	704
1997 GM_{21}	1997 05 05.38229	14 28 28.91	−16 04 35.0	19.1	704
1997 GM_{21}	1997 05 05.39965	14 28 27.98	−16 04 32.0	19.3	704
1997 GN_{21}	1997 04 30.20641	14 30 45.98	−18 00 50.5		704
1997 GN_{21}	1997 04 30.22869	14 30 44.55	−18 00 49.4	18.3	704
1997 GN_{21}	1997 04 30.25110	14 30 43.10	−18 00 48.7		704
1997 GN_{21}	1997 04 30.27358	14 30 41.67	−18 00 48.0		704
1997 GN_{21}	1997 04 30.29618	14 30 40.21	−18 00 46.6		704
1997 GN_{21}	1997 05 01.21203	14 29 44.68	−18 00 02.9	18.4	704
1997 GN_{21}	1997 05 01.23439	14 29 43.21	−18 00 02.4	18.4	704
1997 GN_{21}	1997 05 01.25686	14 29 41.76	−18 00 01.2	18.4	704
1997 GN_{21}	1997 05 01.27931	14 29 40.35	−18 00 00.0	18.3	704
1997 GN_{21}	1997 05 01.30183	14 29 38.91	−17 59 59.2	18.1	704
1997 GP_{21}	1997 04 30.20943	14 32 56.45	−14 38 49.7	18.8	704
1997 GP_{21}	1997 04 30.23173	14 32 55.26	−14 38 34.9	19.2	704
1997 GP_{21}	1997 04 30.25415	14 32 54.02	−14 38 20.0	19.0	704
1997 GP_{21}	1997 04 30.27660	14 32 52.73	−14 38 05.0	19.6	704
1997 GP_{21}	1997 04 30.29923	14 32 51.48	−14 37 49.7	19.3	704
1997 GP_{21}	1997 05 01.21347	14 32 03.99	−14 27 43.5	19.1	704
1997 GP_{21}	1997 05 01.23585	14 32 02.77	−14 27 29.3	20.0	704
1997 GP_{21}	1997 05 01.25831	14 32 01.55	−14 27 14.4	19.9	704
1997 GP_{21}	1997 05 01.28076	14 32 00.31	−14 26 59.0	19.1	704
1997 GP_{21}	1997 05 01.30328	14 31 59.07	−14 26 44.2	19.3	704
1997 GQ_{21}	1997 04 30.21198	14 35 51.21	−13 39 39.8	18.6	704
1997 GQ_{21}	1997 04 30.23427	14 35 50.19	−13 39 32.8	19.4	704
1997 GQ_{21}	1997 04 30.25673	14 35 49.02	−13 39 25.7	19.5	704
1997 GQ_{21}	1997 04 30.27914	14 35 48.12	−13 39 18.9	18.7	704
1997 GQ_{21}	1997 04 30.30175	14 35 47.01	−13 39 13.2	19.5	704
1997 GQ_{21}	1997 05 01.21808	14 35 06.17	−13 34 33.5	18.9	704
1997 GQ_{21}	1997 05 01.24050	14 35 05.14	−13 34 27.7	19.6	704
1997 GQ_{21}	1997 05 01.26293	14 35 04.07	−13 34 20.5	19.5	704
1997 GQ_{21}	1997 05 01.28540	14 35 03.03	−13 34 13.1	19.1	704
1997 GQ_{21}	1997 05 01.30795	14 35 02.00	−13 34 06.3	19.6	704
1997 GQ_{21}	1997 05 05.33291	14 32 02.64	−13 13 49.8	19.4	704
1997 GQ_{21}	1997 05 05.35027	14 32 01.74	−13 13 44.6	20.2	704
1997 GQ_{21}	1997 05 05.36763	14 32 00.86	−13 13 38.8	20.2	704
1997 GQ_{21}	1997 05 05.40235	14 31 59.23	−13 13 27.2	20.4	704
1997 GR_{21}	1997 04 30.21262	14 36 00.04	−11 28 38.2	18.6	704
1997 GR_{21}	1997 04 30.23490	14 35 58.96	−11 28 24.9	18.6	704
1997 GR_{21}	1997 04 30.25738	14 35 57.83	−11 28 11.3	18.6	704
1997 GR_{21}	1997 04 30.27978	14 35 56.71	−11 27 58.2	18.6	704
1997 GR_{21}	1997 04 30.30239	14 35 55.59	−11 27 44.9	19.0	704
1997 GR_{21}	1997 05 01.21873	14 35 11.64	−11 18 43.4		704
1997 GR_{21}	1997 05 01.24115	14 35 10.52	−11 18 29.8		704
1997 GR_{21}	1997 05 01.26357	14 35 09.40	−11 18 16.5	18.7	704
1997 GR_{21}	1997 05 01.28604	14 35 08.28	−11 18 03.1	18.7	704
1997 GR_{21}	1997 05 01.30859	14 35 07.12	−11 17 50.2	18.7	704
1997 GR_{21}	1997 05 05.33368	14 31 53.37	−10 38 23.8		704
1997 GR_{21}	1997 05 05.35104	14 31 52.46	−10 38 13.4	18.6	704
1997 GR_{21}	1997 05 05.36840	14 31 51.61	−10 38 04.1		704
1997 GR_{21}	1997 05 05.38576	14 31 50.75	−10 37 53.6	18.8	704
1997 GR_{21}	1997 05 05.40313	14 31 49.87	−10 37 43.4	18.6	704
1997 GS_{21}	1997 04 02.41896	14 55 01.34	−14 22 27.5	19.3	704
1997 GS_{21}	1997 04 02.46063	14 54 59.75	−14 22 27.7		704
1997 GS_{21}	1997 04 30.20752	14 30 54.94	−13 50 38.7	18.2	704
1997 GS_{21}	1997 04 30.22983	14 30 53.51	−13 50 36.5	18.5	704
1997 GS_{21}	1997 04 30.25222	14 30 52.07	−13 50 34.3		704
1997 GS_{21}	1997 04 30.27469	14 30 50.65	−13 50 32.0		704
1997 GS_{21}	1997 04 30.29732	14 30 49.21	−13 50 29.8		704
1997 GS_{21}	1997 05 01.21093	14 29 52.27	−13 48 56.4	19.6	704
1997 GS_{21}	1997 05 01.21363	14 29 52.51	−13 48 55.7		704
1997 GS_{21}	1997 05 01.23601	14 29 51.07	−13 48 53.7	18.8	704
1997 GS_{21}	1997 05 01.25574	14 29 49.85	−13 48 51.9	18.9	704
1997 GS_{21}	1997 05 01.25847	14 29 49.64	−13 48 51.1	18.4	704
1997 GS_{21}	1997 05 01.27818	14 29 48.37	−13 48 48.8	19.1	704
1997 GS_{21}	1997 05 01.28092	14 29 48.17	−13 48 48.7	18.4	704
1997 GS_{21}	1997 05 01.30070	14 29 46.98	−13 48 47.5	18.7	704
1997 GS_{21}	1997 05 01.30344	14 29 46.74	−13 48 46.2		704
1997 GS_{21}	1997 05 05.32731	14 25 37.24	−13 41 53.4	18.6	704
1997 GS_{21}	1997 05 05.34468	14 25 36.13	−13 41 51.5	18.8	704

1997 GS_{21}	1997 05 05.36204	14 25 35.06	−13 41 50.0	19.2	704
1997 GS_{21}	1997 05 05.37939	14 25 33.94	−13 41 47.9	19.2	704
1997 GS_{21}	1997 05 05.39675	14 25 32.84	−13 41 46.1	19.1	704
1997 GV_{21}	1997 04 30.20847	14 33 22.94	−10 32 33.0		704
1997 GV_{21}	1997 04 30.23078	14 33 21.48	−10 32 30.8		704
1997 GV_{21}	1997 04 30.25318	14 33 20.01	−10 32 28.6	18.4	704
1997 GV_{21}	1997 04 30.27565	14 33 18.50	−10 32 26.7	18.4	704
1997 GV_{21}	1997 04 30.29829	14 33 17.00	−10 32 24.5	18.5	704
1997 GV_{21}	1997 05 01.21443	14 32 18.49	−10 30 55.6	18.4	704
1997 GV_{21}	1997 05 01.23681	14 32 17.07	−10 30 53.8	19.7	704
1997 GV_{21}	1997 05 01.25928	14 32 15.53	−10 30 51.5	18.5	704
1997 GV_{21}	1997 05 01.28172	14 32 14.03	−10 30 49.4	18.5	704
1997 GV_{21}	1997 05 01.30425	14 32 12.53	−10 30 47.5		704
1997 GV_{21}	1997 05 05.32847	14 27 56.23	−10 24 46.5		704
1997 GV_{21}	1997 05 05.34583	14 27 55.08	−10 24 45.1	18.6	704
1997 GV_{21}	1997 05 05.36319	14 27 53.97	−10 24 43.7		704
1997 GV_{21}	1997 05 05.38055	14 27 52.81	−10 24 41.9		704
1997 GV_{21}	1997 05 05.39792	14 27 51.69	−10 24 40.3	18.6	704
1997 GX_{21}	1997 04 30.21293	14 38 12.73	−10 31 38.0		704
1997 GX_{21}	1997 04 30.23521	14 38 11.58	−10 31 33.5	19.0	704
1997 GX_{21}	1997 04 30.25770	14 38 10.46	−10 31 28.1		704
1997 GX_{21}	1997 04 30.28011	14 38 09.31	−10 31 23.8	18.4	704
1997 GX_{21}	1997 04 30.30271	14 38 08.17	−10 31 19.1	18.4	704
1997 GX_{21}	1997 05 01.21904	14 37 23.03	−10 28 10.6		704
1997 GX_{21}	1997 05 01.24147	14 37 21.88	−10 28 05.8		704
1997 GX_{21}	1997 05 01.26390	14 37 20.76	−10 28 01.3	18.4	704
1997 GX_{21}	1997 05 01.28636	14 37 19.60	−10 27 56.8	18.5	704
1997 GX_{21}	1997 05 01.30892	14 37 18.44	−10 27 51.7	18.5	704
1997 GY_{21}	1997 04 02.41861	14 56 17.33	−13 25 35.2	18.5	704
1997 GY_{21}	1997 04 02.46028	14 56 16.53	−13 25 11.7		704
1997 GZ_{21}	1997 04 30.21293	14 39 02.52	−10 45 22.9	18.9	704
1997 GZ_{21}	1997 04 30.23521	14 39 01.48	−10 45 17.3	19.3	704
1997 GZ_{21}	1997 04 30.25770	14 39 00.46	−10 45 10.5	19.0	704
1997 GZ_{21}	1997 04 30.28011	14 38 59.41	−10 45 04.2	20.0	704
1997 GZ_{21}	1997 04 30.30271	14 38 58.35	−10 44 57.6	19.1	704
1997 GZ_{21}	1997 05 01.21904	14 38 17.16	−10 40 31.2	18.5	704
1997 GZ_{21}	1997 05 01.24147	14 38 16.12	−10 40 25.1	18.8	704
1997 GZ_{21}	1997 05 01.26390	14 38 15.05	−10 40 18.5	19.0	704
1997 GZ_{21}	1997 05 01.28636	14 38 14.01	−10 40 11.7	18.8	704
1997 GZ_{21}	1997 05 01.30892	14 38 12.96	−10 40 05.2	18.6	704
1997 GZ_{21}	1997 05 05.33908	14 35 12.06	−10 20 59.0		704
1997 GZ_{21}	1997 05 05.35644	14 35 11.27	−10 20 53.6	18.8	704
1997 GZ_{21}	1997 05 05.37380	14 35 10.47	−10 20 49.1	18.7	704
1997 GZ_{21}	1997 05 05.39116	14 35 09.67	−10 20 44.4	18.7	704
1997 GZ_{21}	1997 05 05.40853	14 35 08.87	−10 20 39.3	18.6	704
1997 GC_{22}	1997 04 30.23568	14 37 36.80	−12 43 59.4	20.0	704
1997 GC_{22}	1997 04 30.25818	14 37 35.59	−12 43 54.3	20.0	704
1997 GC_{22}	1997 04 30.28058	14 37 34.43	−12 43 48.3	20.2	704
1997 GC_{22}	1997 04 30.30318	14 37 33.09	−12 43 41.0	20.3	704
1997 GC_{22}	1997 05 01.21840	14 36 48.42	−12 39 49.8	20.0	704
1997 GC_{22}	1997 05 01.24083	14 36 47.26	−12 39 44.5	20.2	704
1997 GC_{22}	1997 05 01.26325	14 36 46.14	−12 39 37.5	20.2	704
1997 GC_{22}	1997 05 01.28572	14 36 44.95	−12 39 31.9	20.1	704
1997 GC_{22}	1997 05 01.30827	14 36 43.71	−12 39 27.5	19.9	704
1997 GD_{22}	1997 04 30.21198	14 35 25.45	−13 43 36.4	18.5	704
1997 GD_{22}	1997 04 30.23427	14 35 24.06	−13 43 32.8	19.3	704
1997 GD_{22}	1997 04 30.27914	14 35 21.29	−13 43 26.2	18.7	704
1997 GD_{22}	1997 04 30.30175	14 35 19.90	−13 43 22.0	19.0	704
1997 GD_{22}	1997 05 01.21536	14 34 26.23	−13 40 59.7	18.8	704
1997 GD_{22}	1997 05 01.23778	14 34 24.86	−13 40 57.1	19.1	704
1997 GD_{22}	1997 05 01.26023	14 34 23.48	−13 40 53.5	19.3	704
1997 GD_{22}	1997 05 01.28269	14 34 22.07	−13 40 49.5	19.0	704
1997 GD_{22}	1997 05 01.30521	14 34 20.69	−13 40 46.1	18.9	704
1997 GD_{22}	1997 05 05.33271	14 30 24.55	−13 30 23.8	19.1	704
1997 GD_{22}	1997 05 05.34255	14 30 23.87	−13 30 22.6	19.0	704
1997 GD_{22}	1997 05 05.35008	14 30 23.46	−13 30 21.6	19.8	704
1997 GD_{22}	1997 05 05.35991	14 30 22.82	−13 30 20.2	19.8	704
1997 GD_{22}	1997 05 05.36744	14 30 22.36	−13 30 19.0	19.6	704
1997 GD_{22}	1997 05 05.37728	14 30 21.89	−13 30 17.7	19.8	704
1997 GD_{22}	1997 05 05.39464	14 30 20.76	−13 30 13.6	19.8	704
1997 GD_{22}	1997 05 05.40216	14 30 20.32	−13 30 13.1	19.9	704
1997 GD_{22}	1997 05 05.41200	14 30 19.49	−13 30 11.7	20.5	704
1997 GE_{22}	1997 04 30.21134	14 34 59.84	−16 08 22.9		704
1997 GE_{22}	1997 04 30.23365	14 34 58.33	−16 08 23.3		704
1997 GE_{22}	1997 04 30.25608	14 34 56.88	−16 08 24.2		704
1997 GE_{22}	1997 04 30.27851	14 34 55.33	−16 08 24.3		704
1997 GE_{22}	1997 04 30.30112	14 34 53.79	−16 08 25.0		704
1997 GE_{22}	1997 05 01.21599	14 33 55.35	−16 08 42.6		704
1997 GE_{22}	1997 05 01.23842	14 33 53.82	−16 08 43.0		704
1997 GE_{22}	1997 05 01.26085	14 33 52.33	−16 08 43.6		704
1997 GE_{22}	1997 05 01.28333	14 33 50.81	−16 08 44.3		704
1997 GE_{22}	1997 05 01.30585	14 33 49.26	−16 08 44.5		704
1997 GE_{22}	1997 05 05.33020	14 29 28.61	−16 09 43.5		704
1997 GE_{22}	1997 05 05.34756	14 29 27.43	−16 09 43.7		704
1997 GE_{22}	1997 05 05.36493	14 29 26.23	−16 09 43.8		704
1997 GE_{22}	1997 05 05.38229	14 29 25.03	−16 09 44.1		704
1997 GE_{22}	1997 05 05.39965	14 29 23.87	−16 09 44.5		704
1997 GF_{22}	1997 04 30.21658	14 41 12.18	−17 08 22.4	18.6	704
1997 GF_{22}	1997 04 30.23885	14 41 10.78	−17 08 25.0	18.5	704
1997 GF_{22}	1997 04 30.26140	14 41 09.34	−17 08 26.9	18.2	704
1997 GF_{22}	1997 04 30.28382	14 41 07.88	−17 08 29.1	18.6	704
1997 GF_{22}	1997 04 30.30638	14 41 06.42	−17 08 31.0	19.2	704
1997 GF_{22}	1997 05 05.33696	14 35 55.83	−17 14 37.5		704
1997 GF_{22}	1997 05 05.35432	14 35 54.62	−17 14 38.7		704
1997 GF_{22}	1997 05 05.37168	14 35 53.42	−17 14 39.4	18.4	704
1997 GF_{22}	1997 05 05.38904	14 35 52.23	−17 14 40.5	18.4	704
1997 GF_{22}	1997 05 05.40640	14 35 51.02	−17 14 41.7	18.4	704
1997 GG_{22}	1997 04 02.41983	14 56 27.86	−17 15 20.8	20.0	704
1997 GG_{22}	1997 04 02.46150	14 56 26.74	−17 15 07.5		704
1997 GG_{22}	1997 04 30.21372	14 37 37.18	−13 46 34.2	18.3	704
1997 GG_{22}	1997 04 30.23600	14 37 35.94	−13 46 21.9	18.8	704
1997 GG_{22}	1997 04 30.25850	14 37 34.65	−13 46 10.2	18.6	704
1997 GG_{22}	1997 04 30.28090	14 37 33.42	−13 45 57.8	19.3	704
1997 GG_{22}	1997 04 30.30349	14 37 31.99	−13 45 45.0	20.1	704

1997 GG_{22}	1997 05 01.21808	14 36 43.51	−13 37 39.1	18.5	704
1997 GG_{22}	1997 05 01.24050	14 36 42.25	−13 37 27.6	18.8	704
1997 GG_{22}	1997 05 01.26293	14 36 41.01	−13 37 15.4	19.1	704
1997 GG_{22}	1997 05 01.28540	14 36 39.68	−13 37 03.5	18.6	704
1997 GG_{22}	1997 05 01.30795	14 36 38.40	−13 36 51.5	18.9	704
1997 GH_{22}	1997 04 30.21006	14 32 30.26	−16 41 05.0		704
1997 GH_{22}	1997 04 30.23236	14 32 28.69	−16 41 02.9	18.8	704
1997 GH_{22}	1997 04 30.25480	14 32 27.04	−16 41 00.7		704
1997 GH_{22}	1997 04 30.27724	14 32 25.41	−16 40 58.6	18.3	704
1997 GH_{22}	1997 04 30.29986	14 32 23.78	−16 40 56.3	18.6	704
1997 GH_{22}	1997 05 01.21283	14 31 19.82	−16 39 34.8		704
1997 GH_{22}	1997 05 01.23520	14 31 18.16	−16 39 32.8		704
1997 GH_{22}	1997 05 01.25766	14 31 16.53	−16 39 30.9		704
1997 GH_{22}	1997 05 01.28011	14 31 14.89	−16 39 29.1		704
1997 GH_{22}	1997 05 01.30263	14 31 13.25	−16 39 26.6		704
1997 GJ_{22}	1997 04 30.21166	14 37 10.58	−15 09 48.3	18.7	704
1997 GJ_{22}	1997 04 30.23396	14 37 09.34	−15 09 39.6	19.5	704
1997 GJ_{22}	1997 04 30.25641	14 37 08.17	−15 09 30.4	18.9	704
1997 GJ_{22}	1997 04 30.27883	14 37 06.89	−15 09 21.3	18.9	704
1997 GJ_{22}	1997 04 30.30144	14 37 05.71	−15 09 12.2	19.2	704
1997 GJ_{22}	1997 05 01.24019	14 36 16.72	−15 02 45.4	20.0	704
1997 GJ_{22}	1997 05 01.26261	14 36 15.69	−15 02 37.3	18.8	704
1997 GJ_{22}	1997 05 01.28508	14 36 14.48	−15 02 27.3	19.0	704
1997 GJ_{22}	1997 05 01.30762	14 36 13.23	−15 02 19.1	18.6	704
1997 GJ_{22}	1997 05 05.33503	14 32 43.99	−14 34 38.9	18.7	704
1997 GJ_{22}	1997 05 05.35239	14 32 43.01	−14 34 32.0	19.8	704
1997 GJ_{22}	1997 05 05.36975	14 32 42.08	−14 34 24.2	20.6	704
1997 GJ_{22}	1997 05 05.38711	14 32 41.23	−14 34 17.6	19.2	704
1997 GJ_{22}	1997 05 05.40447	14 32 40.37	−14 34 09.7	19.7	704
1997 GL_{22}	1997 04 30.21450	14 38 35.40	−16 51 58.5	19.1	704
1997 GL_{22}	1997 04 30.23678	14 38 34.28	−16 51 55.8	19.5	704
1997 GL_{22}	1997 04 30.25929	14 38 33.09	−16 51 50.2	19.2	704
1997 GL_{22}	1997 04 30.28171	14 38 31.98	−16 51 47.1	18.9	704
1997 GL_{22}	1997 04 30.30429	14 38 30.80	−16 51 43.6	19.7	704
1997 GL_{22}	1997 05 01.22064	14 37 45.48	−16 48 59.1	18.9	704
1997 GL_{22}	1997 05 01.24307	14 37 44.36	−16 48 56.3	19.4	704
1997 GL_{22}	1997 05 01.26548	14 37 43.23	−16 48 52.1	19.4	704
1997 GL_{22}	1997 05 01.28797	14 37 42.05	−16 48 46.9	19.4	704
1997 GL_{22}	1997 05 01.31053	14 37 40.86	−16 48 43.3	19.2	704
1997 GL_{22}	1997 05 05.33580	14 34 20.47	−16 36 28.8	19.6	704
1997 GL_{22}	1997 05 05.35316	14 34 19.56	−16 36 25.7	19.9	704
1997 GL_{22}	1997 05 05.37052	14 34 18.63	−16 36 23.5	19.6	704
1997 GL_{22}	1997 05 05.38788	14 34 17.69	−16 36 20.7	19.9	704
1997 GM_{22}	1997 04 02.42052	14 57 04.77	−18 11 14.5	18.8	704
1997 GM_{22}	1997 04 02.46220	14 57 03.17	−18 11 20.8		704
1997 GM_{22}	1997 04 30.21054	14 32 31.93	−18 41 26.9		704
1997 GM_{22}	1997 04 30.25529	14 32 28.93	−18 41 26.9		704
1997 GM_{22}	1997 04 30.27771	14 32 27.46	−18 41 26.6		704
1997 GM_{22}	1997 04 30.30033	14 32 25.97	−18 41 27.0	18.3	704
1997 GM_{22}	1997 05 01.21235	14 31 27.28	−18 41 27.1		704
1997 GM_{22}	1997 05 01.23471	14 31 25.82	−18 41 27.7	18.3	704
1997 GM_{22}	1997 05 01.25717	14 31 24.30	−18 41 26.7	18.2	704
1997 GM_{22}	1997 05 01.27962	14 31 22.81	−18 41 27.4		704
1997 GM_{22}	1997 05 01.30215	14 31 21.31	−18 41 27.0	18.2	704
1997 GM_{22}	1997 05 05.32577	14 27 00.81	−18 40 50.6		704
1997 GM_{22}	1997 05 05.34313	14 26 59.64	−18 40 50.7		704
1997 GM_{22}	1997 05 05.36049	14 26 58.50	−18 40 50.5	18.3	704
1997 GM_{22}	1997 05 05.37785	14 26 57.32	−18 40 50.3		704
1997 GM_{22}	1997 05 05.39521	14 26 56.15	−18 40 50.3		704
1997 GN_{22}	1997 04 02.42052	14 58 45.93	−18 03 59.5	19.7	704
1997 GN_{22}	1997 04 02.46220	14 58 44.68	−18 03 53.3		704
1997 GN_{22}	1997 04 30.21450	14 39 27.04	−16 41 52.7	19.1	704
1997 GN_{22}	1997 04 30.23678	14 39 25.96	−16 41 47.3	19.0	704
1997 GN_{22}	1997 04 30.25929	14 39 24.83	−16 41 42.6	18.7	704
1997 GN_{22}	1997 04 30.28171	14 39 23.64	−16 41 37.2	18.6	704
1997 GN_{22}	1997 04 30.30429	14 39 22.49	−16 41 32.3	18.7	704
1997 GN_{22}	1997 05 01.22064	14 38 37.07	−16 37 59.5	18.2	704
1997 GN_{22}	1997 05 01.24307	14 38 35.88	−16 37 54.5	18.6	704
1997 GN_{22}	1997 05 01.26548	14 38 34.79	−16 37 50.3	19.0	704
1997 GN_{22}	1997 05 01.28797	14 38 33.52	−16 37 44.5	19.1	704
1997 GN_{22}	1997 05 01.31053	14 38 32.44	−16 37 39.0	18.6	704
1997 GN_{22}	1997 05 05.33734	14 35 12.38	−16 21 50.9		704
1997 GN_{22}	1997 05 05.35471	14 35 11.49	−16 21 46.5	19.0	704
1997 GN_{22}	1997 05 05.37207	14 35 10.61	−16 21 42.2	19.1	704
1997 GN_{22}	1997 05 05.38943	14 35 09.74	−16 21 37.3	19.4	704
1997 GN_{22}	1997 05 05.40679	14 35 08.87	−16 21 33.0	19.2	704
1997 GO_{22}	1997 04 30.21690	14 40 04.67	−15 43 43.7	18.7	704
1997 GO_{22}	1997 04 30.23917	14 40 03.42	−15 43 36.0	18.4	704
1997 GO_{22}	1997 04 30.26172	14 40 02.17	−15 43 28.8	18.4	704
1997 GO_{22}	1997 04 30.28414	14 40 00.91	−15 43 21.3	18.9	704
1997 GO_{22}	1997 04 30.30670	14 39 59.66	−15 43 14.0	18.6	704
1997 GO_{22}	1997 05 01.22032	14 39 11.22	−15 38 09.9		704
1997 GO_{22}	1997 05 01.24275	14 39 09.97	−15 38 02.7	18.7	704
1997 GO_{22}	1997 05 01.26516	14 39 08.71	−15 37 55.2	18.7	704
1997 GO_{22}	1997 05 01.28764	14 39 07.46	−15 37 47.6	18.5	704
1997 GO_{22}	1997 05 01.31020	14 39 06.17	−15 37 39.9	18.5	704
1997 GO_{22}	1997 05 05.33773	14 35 31.15	−15 15 04.3	18.4	704
1997 GO_{22}	1997 05 05.35509	14 35 30.18	−15 14 58.2	18.7	704
1997 GO_{22}	1997 05 05.37245	14 35 29.25	−15 14 52.1	19.2	704
1997 GO_{22}	1997 05 05.38981	14 35 28.25	−15 14 46.2	19.0	704
1997 GO_{22}	1997 05 05.40718	14 35 27.31	−15 14 40.0	19.0	704
1997 GQ_{22}	1997 04 30.21721	14 41 54.83	−14 32 41.4	19.0	704
1997 GQ_{22}	1997 04 30.23949	14 41 53.90	−14 32 34.1	19.2	704
1997 GQ_{22}	1997 04 30.26204	14 41 52.86	−14 32 25.1	18.9	704
1997 GQ_{22}	1997 04 30.30702	14 41 50.82	−14 32 08.1	19.5	704
1997 GQ_{22}	1997 05 01.22336	14 41 11.41	−14 26 24.1	18.4	704
1997 GQ_{22}	1997 05 01.24581	14 41 10.36	−14 26 15.0	18.0	704
1997 GQ_{22}	1997 05 01.26822	14 41 09.38	−14 26 06.5	18.0	704
1997 GQ_{22}	1997 05 01.29072	14 41 08.37	−14 25 58.1	18.0	704
1997 GQ_{22}	1997 05 01.31326	14 41 07.36	−14 25 49.7	18.1	704
1997 GQ_{22}	1997 05 05.34024	14 38 13.03	−14 00 30.3	19.0	704
1997 GQ_{22}	1997 05 05.35760	14 38 12.21	−14 00 23.9	19.5	704
1997 GQ_{22}	1997 05 05.37496	14 38 11.41	−14 00 17.0	19.3	704
1997 GQ_{22}	1997 05 05.39232	14 38 10.71	−14 00 10.0	19.4	704

1997 GQ_{22}	1997 05 05.40968	14 38 09.91	−14 00 03.4	19.3	704
1997 GS_{22}	1997 04 30.21403	14 39 19.20	−14 46 27.6	19.0	704
1997 GS_{22}	1997 04 30.23631	14 39 18.00	−14 46 24.2	19.0	704
1997 GS_{22}	1997 04 30.25883	14 39 16.71	−14 46 20.1	18.8	704
1997 GS_{22}	1997 04 30.28123	14 39 15.51	−14 46 16.7	18.6	704
1997 GS_{22}	1997 04 30.30380	14 39 14.26	−14 46 13.2	18.8	704
1997 GS_{22}	1997 05 01.22016	14 38 25.46	−14 43 40.8		704
1997 GS_{22}	1997 05 01.24259	14 38 24.20	−14 43 37.2	19.1	704
1997 GS_{22}	1997 05 01.26501	14 38 22.97	−14 43 33.5	19.2	704
1997 GS_{22}	1997 05 01.28748	14 38 21.71	−14 43 29.9	19.0	704
1997 GS_{22}	1997 05 01.31004	14 38 20.49	−14 43 26.1	18.7	704
1997 GT_{22}	1997 04 30.21418	14 39 32.90	−15 40 21.4		704
1997 GT_{22}	1997 04 30.23647	14 39 31.65	−15 40 20.7	18.2	704
1997 GT_{22}	1997 04 30.25898	14 39 30.39	−15 40 20.0		704
1997 GT_{22}	1997 04 30.28139	14 39 29.14	−15 40 19.6	18.2	704
1997 GT_{22}	1997 04 30.30397	14 39 27.84	−15 40 18.6		704
1997 GT_{22}	1997 05 01.22032	14 38 37.62	−15 39 52.0		704
1997 GT_{22}	1997 05 01.24275	14 38 36.35	−15 39 51.1		704
1997 GT_{22}	1997 05 01.26516	14 38 35.06	−15 39 50.7		704
1997 GT_{22}	1997 05 01.28764	14 38 33.79	−15 39 49.8		704
1997 GT_{22}	1997 05 01.31020	14 38 32.52	−15 39 49.1		704
1997 GW_{22}	1997 05 01.21840	14 36 34.28	−12 18 13.5	18.7	704
1997 GW_{22}	1997 05 01.24083	14 36 32.99	−12 18 09.5	19.1	704
1997 GW_{22}	1997 05 01.26325	14 36 31.63	−12 18 03.9	19.1	704
1997 GW_{22}	1997 05 01.28572	14 36 30.33	−12 17 59.9	18.7	704
1997 GW_{22}	1997 05 01.30827	14 36 28.99	−12 17 54.6	18.8	704
1997 GW_{22}	1997 05 05.33426	14 32 40.98	−12 03 59.0	18.9	704
1997 GW_{22}	1997 05 05.35162	14 32 39.97	−12 03 55.9	19.7	704
1997 GW_{22}	1997 05 05.36898	14 32 38.94	−12 03 52.0	19.5	704
1997 GW_{22}	1997 05 05.38634	14 32 37.98	−12 03 48.2	19.4	704
1997 GW_{22}	1997 05 05.40370	14 32 37.04	−12 03 44.3	19.4	704
1997 GX_{22}	1997 04 30.21769	14 40 25.98	−12 20 04.1		704
1997 GX_{22}	1997 04 30.23997	14 40 24.68	−12 19 57.8		704
1997 GX_{22}	1997 04 30.26253	14 40 23.38	−12 19 51.1		704
1997 GX_{22}	1997 04 30.28494	14 40 22.08	−12 19 44.5		704
1997 GX_{22}	1997 04 30.30751	14 40 20.81	−12 19 38.5	18.2	704
1997 GX_{22}	1997 05 01.21953	14 39 31.01	−12 15 14.0		704
1997 GX_{22}	1997 05 01.24195	14 39 29.71	−12 15 07.9		704
1997 GX_{22}	1997 05 01.26437	14 39 28.42	−12 15 01.5		704
1997 GX_{22}	1997 05 01.28685	14 39 27.11	−12 14 55.2		704
1997 GX_{22}	1997 05 01.30939	14 39 25.80	−12 14 49.6	18.8	704
1997 GX_{22}	1997 05 05.33869	14 35 43.42	−11 55 37.8		704
1997 GX_{22}	1997 05 05.35605	14 35 42.43	−11 55 32.8	18.6	704
1997 GX_{22}	1997 05 05.37341	14 35 41.40	−11 55 27.9	18.5	704
1997 GX_{22}	1997 05 05.39078	14 35 40.43	−11 55 22.7	18.5	704
1997 GX_{22}	1997 05 05.40814	14 35 39.46	−11 55 17.4		704
1997 GY_{22}	1997 04 30.21784	14 39 48.27	−11 56 55.8	18.9	704
1997 GY_{22}	1997 04 30.24013	14 39 46.99	−11 56 49.8	18.9	704
1997 GY_{22}	1997 04 30.26269	14 39 45.71	−11 56 43.0	19.9	704
1997 GY_{22}	1997 04 30.28511	14 39 44.57	−11 56 38.2	19.4	704
1997 GY_{22}	1997 04 30.30767	14 39 43.33	−11 56 31.7	19.2	704
1997 GY_{22}	1997 05 01.21936	14 38 55.35	−11 52 22.5	19.0	704
1997 GY_{22}	1997 05 01.24179	14 38 54.08	−11 52 16.1	19.6	704
1997 GY_{22}	1997 05 01.26422	14 38 52.93	−11 52 09.9	19.2	704
1997 GY_{22}	1997 05 01.28668	14 38 51.70	−11 52 04.1	19.2	704
1997 GY_{22}	1997 05 01.30923	14 38 50.44	−11 51 57.7	19.1	704
1997 GY_{22}	1997 05 05.35624	14 35 16.68	−11 33 46.0	19.8	704
1997 GY_{22}	1997 05 05.37361	14 35 15.78	−11 33 41.6	19.6	704
1997 GY_{22}	1997 05 05.39097	14 35 14.87	−11 33 36.4	19.5	704
1997 GY_{22}	1997 05 05.40833	14 35 13.91	−11 33 31.4	19.6	704
1997 GZ_{22}	1997 04 30.21800	14 41 12.17	−11 26 14.3	19.3	704
1997 GZ_{22}	1997 04 30.24028	14 41 11.11	−11 26 06.4	19.3	704
1997 GZ_{22}	1997 04 30.26285	14 41 09.89	−11 25 58.8	19.8	704
1997 GZ_{22}	1997 04 30.30783	14 41 07.65	−11 25 43.8	19.0	704
1997 GA_{23}	1997 04 30.21293	14 38 03.04	−10 48 05.5	19.2	704
1997 GA_{23}	1997 04 30.23521	14 38 01.67	−10 47 55.7	19.4	704
1997 GA_{23}	1997 04 30.25770	14 38 00.31	−10 47 46.6	19.3	704
1997 GA_{23}	1997 04 30.28011	14 37 58.96	−10 47 36.8	19.8	704
1997 GA_{23}	1997 04 30.30271	14 37 57.53	−10 47 27.8	19.5	704
1997 GA_{23}	1997 05 01.21889	14 37 03.99	−10 41 08.3	19.3	704
1997 GA_{23}	1997 05 01.24131	14 37 02.59	−10 40 59.3	20.3	704
1997 GA_{23}	1997 05 01.26373	14 37 01.19	−10 40 49.7	19.7	704
1997 GA_{23}	1997 05 01.28620	14 36 59.82	−10 40 41.3	19.4	704
1997 GA_{23}	1997 05 01.30876	14 36 58.42	−10 40 32.1	19.6	704
1997 GB_{23}	1997 04 30.21262	14 36 05.55	−11 33 55.3	19.7	704
1997 GB_{23}	1997 04 30.23490	14 36 04.28	−11 33 50.1	19.4	704
1997 GB_{23}	1997 04 30.25738	14 36 02.87	−11 33 45.9	19.3	704
1997 GB_{23}	1997 04 30.27978	14 36 01.55	−11 33 42.6	19.4	704
1997 GB_{23}	1997 04 30.30239	14 36 00.22	−11 33 37.6	19.7	704
1997 GB_{23}	1997 05 01.21873	14 35 07.28	−11 30 54.4	19.6	704
1997 GB_{23}	1997 05 01.24115	14 35 05.93	−11 30 50.7	19.7	704
1997 GB_{23}	1997 05 01.26357	14 35 04.60	−11 30 47.5	19.6	704
1997 GB_{23}	1997 05 01.28604	14 35 03.22	−11 30 42.5	19.6	704
1997 GB_{23}	1997 05 01.30859	14 35 01.84	−11 30 39.5	19.6	704
1997 GB_{23}	1997 05 05.33348	14 31 10.87	−11 19 05.0	19.7	704
1997 GB_{23}	1997 05 05.35085	14 31 09.89	−11 19 02.0	19.2	704
1997 GB_{23}	1997 05 05.36821	14 31 08.87	−11 18 59.3	19.2	704
1997 GB_{23}	1997 05 05.38557	14 31 07.89	−11 18 55.7	19.7	704
1997 GB_{23}	1997 05 05.40293	14 31 06.82	−11 18 52.8	19.1	704
1997 GE_{23}	1997 04 30.21800	14 41 50.17	−11 20 28.3	19.2	704
1997 GE_{23}	1997 04 30.24028	14 41 48.82	−11 20 26.4	18.9	704
1997 GE_{23}	1997 04 30.26285	14 41 47.48	−11 20 23.8	18.6	704
1997 GE_{23}	1997 04 30.28527	14 41 46.15	−11 20 22.1	19.3	704
1997 GE_{23}	1997 04 30.30783	14 41 44.80	−11 20 19.9	18.6	704
1997 GF_{23}	1997 05 01.21984	14 38 55.02	−13 27 34.5	18.8	704
1997 GF_{23}	1997 05 01.24226	14 38 53.72	−13 27 36.5	19.2	704
1997 GF_{23}	1997 05 01.26469	14 38 52.43	−13 27 38.0	19.5	704
1997 GF_{23}	1997 05 01.28717	14 38 51.17	−13 27 39.5	19.1	704
1997 GF_{23}	1997 05 01.30972	14 38 49.88	−13 27 41.0	18.9	704
1997 GF_{23}	1997 05 05.33811	14 35 04.56	−13 32 02.3	18.7	704
1997 GF_{23}	1997 05 05.35548	14 35 03.61	−13 32 03.2	19.1	704
1997 GF_{23}	1997 05 05.37284	14 35 02.60	−13 32 04.7	19.1	704
1997 GF_{23}	1997 05 05.39020	14 35 01.59	−13 32 05.5	19.2	704
1997 GF_{23}	1997 05 05.40756	14 35 00.67	−13 32 06.6	19.0	704

1997 GG_{23}	1997 04 30.21230	14 36 24.13	−12 46 24.4	18.9	704
1997 GG_{23}	1997 04 30.23459	14 36 22.57	−12 46 22.8	19.5	704
1997 GG_{23}	1997 04 30.25706	14 36 21.07	−12 46 20.5	18.9	704
1997 GG_{23}	1997 04 30.27946	14 36 19.52	−12 46 17.7	18.9	704
1997 GG_{23}	1997 04 30.30207	14 36 17.93	−12 46 15.2	19.7	704
1997 GG_{23}	1997 05 01.21840	14 35 16.76	−12 44 39.5	18.9	704
1997 GG_{23}	1997 05 01.24083	14 35 15.21	−12 44 37.9	19.4	704
1997 GG_{23}	1997 05 01.26325	14 35 13.64	−12 44 34.8	19.4	704
1997 GG_{23}	1997 05 01.28572	14 35 12.09	−12 44 32.3	19.7	704
1997 GG_{23}	1997 05 01.30827	14 35 10.56	−12 44 30.1	19.1	704
1997 GG_{23}	1997 05 05.33310	14 30 42.26	−12 37 39.2	18.8	704
1997 GG_{23}	1997 05 05.35046	14 30 41.06	−12 37 37.9	19.5	704
1997 GG_{23}	1997 05 05.36782	14 30 39.89	−12 37 35.5	19.1	704
1997 GG_{23}	1997 05 05.38519	14 30 38.70	−12 37 33.6	19.1	704
1997 GG_{23}	1997 05 05.40255	14 30 37.55	−12 37 32.0	19.3	704
1997 GJ_{23}	1997 04 30.21403	14 37 25.73	−14 46 07.1		704
1997 GJ_{23}	1997 04 30.23631	14 37 24.20	−14 46 07.5	18.4	704
1997 GJ_{23}	1997 04 30.25883	14 37 22.69	−14 46 09.0	18.3	704
1997 GJ_{23}	1997 04 30.28123	14 37 21.17	−14 46 09.9	18.3	704
1997 GJ_{23}	1997 04 30.30380	14 37 19.67	−14 46 11.2	18.4	704
1997 GJ_{23}	1997 05 01.21777	14 36 20.17	−14 46 59.3		704
1997 GJ_{23}	1997 05 01.24019	14 36 18.67	−14 47 00.1	18.8	704
1997 GJ_{23}	1997 05 01.26261	14 36 17.12	−14 47 01.8	18.4	704
1997 GJ_{23}	1997 05 01.28508	14 36 15.60	−14 47 02.7		704
1997 GJ_{23}	1997 05 01.30762	14 36 14.07	−14 47 03.8	18.5	704
1997 GJ_{23}	1997 05 05.33233	14 31 49.56	−14 50 27.0		704
1997 GJ_{23}	1997 05 05.34969	14 31 48.39	−14 50 27.5	18.7	704
1997 GJ_{23}	1997 05 05.36705	14 31 47.19	−14 50 28.8	18.8	704
1997 GJ_{23}	1997 05 05.38441	14 31 46.01	−14 50 29.9	19.0	704
1997 GJ_{23}	1997 05 05.40177	14 31 44.84	−14 50 30.5	18.5	704
1997 GK_{23}	1997 04 30.21752	14 42 10.58	−13 20 48.8	19.1	704
1997 GK_{23}	1997 04 30.23981	14 42 09.45	−13 20 44.0	19.1	704
1997 GK_{23}	1997 04 30.26237	14 42 08.30	−13 20 37.0	19.3	704
1997 GK_{23}	1997 04 30.28478	14 42 07.14	−13 20 31.8	19.4	704
1997 GK_{23}	1997 04 30.30735	14 42 05.99	−13 20 25.9	19.3	704
1997 GK_{23}	1997 05 05.34005	14 37 59.72	−12 58 38.2	18.8	704
1997 GK_{23}	1997 05 05.35740	14 37 58.87	−12 58 33.6	19.3	704
1997 GK_{23}	1997 05 05.37476	14 37 58.00	−12 58 28.9	19.1	704
1997 GK_{23}	1997 05 05.39213	14 37 57.15	−12 58 24.3	19.8	704
1997 GK_{23}	1997 05 05.40948	14 37 56.26	−12 58 19.5	19.1	704
1997 GL_{23}	1997 04 30.21927	14 42 39.57	−14 16 09.6	18.5	704
1997 GL_{23}	1997 04 30.24155	14 42 38.48	−14 16 06.1	18.2	704
1997 GL_{23}	1997 04 30.26414	14 42 37.29	−14 16 03.0	18.4	704
1997 GL_{23}	1997 04 30.28654	14 42 36.23	−14 15 59.4	18.8	704
1997 GL_{23}	1997 04 30.30909	14 42 35.09	−14 15 55.7	18.5	704
1997 GL_{23}	1997 05 01.22336	14 41 50.78	−14 13 35.7	18.4	704
1997 GL_{23}	1997 05 01.26822	14 41 48.51	−14 13 29.4	18.1	704
1997 GL_{23}	1997 05 01.29072	14 41 47.44	−14 13 26.5	18.2	704
1997 GL_{23}	1997 05 01.31326	14 41 46.27	−14 13 23.2	18.1	704
1997 GL_{23}	1997 05 05.34024	14 38 30.67	−14 03 09.5	18.8	704
1997 GL_{23}	1997 05 05.35760	14 38 29.77	−14 03 06.4	19.5	704
1997 GL_{23}	1997 05 05.37496	14 38 28.96	−14 03 03.6	19.5	704
1997 GL_{23}	1997 05 05.39232	14 38 28.04	−14 03 01.2	19.4	704
1997 GL_{23}	1997 05 05.40968	14 38 27.25	−14 02 58.6	19.4	704
1997 GN_{23}	1997 04 30.21514	14 39 27.53	−19 20 02.0	18.3	704
1997 GN_{23}	1997 04 30.23741	14 39 26.09	−19 20 00.6	19.0	704
1997 GN_{23}	1997 04 30.25994	14 39 24.65	−19 19 58.8	18.5	704
1997 GN_{23}	1997 04 30.28236	14 39 23.24	−19 19 56.3	18.7	704
1997 GN_{23}	1997 04 30.30494	14 39 21.74	−19 19 55.2	18.6	704
1997 GN_{23}	1997 05 01.22127	14 38 24.78	−19 18 36.6		704
1997 GN_{23}	1997 05 01.24372	14 38 23.32	−19 18 34.9	18.8	704
1997 GN_{23}	1997 05 01.26613	14 38 21.88	−19 18 32.6	18.5	704
1997 GN_{23}	1997 05 01.28862	14 38 20.42	−19 18 30.7	18.1	704
1997 GN_{23}	1997 05 01.31116	14 38 18.97	−19 18 29.0	18.4	704
1997 GN_{23}	1997 05 05.34236	14 34 08.75	−19 12 04.8	18.1	704
1997 GN_{23}	1997 05 05.35972	14 34 07.62	−19 12 02.8	18.3	704
1997 GN_{23}	1997 05 05.37708	14 34 06.51	−19 12 00.9	18.5	704
1997 GN_{23}	1997 05 05.39445	14 34 05.41	−19 11 59.2	18.5	704
1997 GN_{23}	1997 05 05.41180	14 34 04.28	−19 11 57.5	18.7	704
1997 GO_{23}	1997 04 30.21610	14 42 01.93	−18 34 06.4	18.1	704
1997 GO_{23}	1997 04 30.23837	14 42 00.82	−18 34 04.6	18.6	704
1997 GO_{23}	1997 04 30.26091	14 41 59.72	−18 34 02.4	18.2	704
1997 GO_{23}	1997 04 30.28334	14 41 58.62	−18 33 59.5	18.8	704
1997 GO_{23}	1997 04 30.30589	14 41 57.48	−18 33 57.5	18.2	704
1997 GO_{23}	1997 05 01.22223	14 41 13.40	−18 32 14.2	17.8	704
1997 GO_{23}	1997 05 01.24469	14 41 12.32	−18 32 11.6	17.8	704
1997 GO_{23}	1997 05 01.26710	14 41 11.19	−18 32 09.4	17.8	704
1997 GO_{23}	1997 05 01.28959	14 41 10.08	−18 32 06.7	17.6	704
1997 GO_{23}	1997 05 01.31212	14 41 08.96	−18 32 04.4	17.7	704
1997 GP_{23}	1997 04 30.21070	14 36 28.34	−18 58 47.8	18.8	704
1997 GP_{23}	1997 04 30.23301	14 36 27.12	−18 58 45.7	19.0	704
1997 GP_{23}	1997 04 30.25544	14 36 25.77	−18 58 42.9	18.5	704
1997 GP_{23}	1997 04 30.27786	14 36 24.47	−18 58 40.6	18.7	704
1997 GP_{23}	1997 04 30.30049	14 36 23.18	−18 58 38.0	19.4	704
1997 GP_{23}	1997 05 01.21679	14 35 31.67	−18 56 40.0	18.9	704
1997 GP_{23}	1997 05 01.23921	14 35 30.38	−18 56 37.2	19.0	704
1997 GP_{23}	1997 05 01.26164	14 35 29.03	−18 56 34.3	18.8	704
1997 GP_{23}	1997 05 01.28413	14 35 27.73	−18 56 31.9	19.0	704
1997 GP_{23}	1997 05 01.30665	14 35 26.41	−18 56 28.8	18.9	704
1997 GP_{23}	1997 05 05.33117	14 31 38.70	−18 47 19.2	18.7	704
1997 GP_{23}	1997 05 05.34853	14 31 37.67	−18 47 16.4	19.0	704
1997 GP_{23}	1997 05 05.36589	14 31 36.68	−18 47 13.9		704
1997 GP_{23}	1997 05 05.38325	14 31 35.64	−18 47 11.3	19.5	704
1997 GP_{23}	1997 05 05.40061	14 31 34.65	−18 47 09.1	19.0	704
1997 GQ_{23}	1997 04 30.21038	14 33 34.62	−18 16 45.5		704
1997 GQ_{23}	1997 04 30.23269	14 33 33.42	−18 16 40.6	18.4	704
1997 GQ_{23}	1997 04 30.25512	14 33 32.20	−18 16 35.8		704
1997 GQ_{23}	1997 04 30.27755	14 33 30.96	−18 16 30.3	18.3	704
1997 GQ_{23}	1997 04 30.30017	14 33 29.71	−18 16 25.6	18.5	704
1997 GQ_{23}	1997 05 01.21648	14 32 41.10	−18 12 54.9		704
1997 GQ_{23}	1997 05 01.23890	14 32 39.86	−18 12 49.9	18.3	704
1997 GQ_{23}	1997 05 01.26133	14 32 38.62	−18 12 44.8	18.3	704
1997 GQ_{23}	1997 05 01.28381	14 32 37.42	−18 12 39.4		704
1997 GQ_{23}	1997 05 01.30634	14 32 36.17	−18 12 34.2		704

1997 GQ_{23}	1997 05 05.33078	14 29 02.51	−17 56 43.8		704
1997 GQ_{23}	1997 05 05.34814	14 29 01.55	−17 56 39.6		704
1997 GQ_{23}	1997 05 05.36551	14 29 00.59	−17 56 35.6		704
1997 GQ_{23}	1997 05 05.38287	14 28 59.64	−17 56 31.5	18.5	704
1997 GQ_{23}	1997 05 05.40023	14 28 58.71	−17 56 27.5		704
1997 GR_{23}	1997 04 30.22006	14 43 48.62	−17 36 17.6	18.4	704
1997 GR_{23}	1997 04 30.24233	14 43 47.43	−17 36 16.5	18.6	704
1997 GR_{23}	1997 04 30.26494	14 43 46.16	−17 36 14.3	18.4	704
1997 GR_{23}	1997 04 30.28734	14 43 44.89	−17 36 13.1	18.8	704
1997 GR_{23}	1997 04 30.30988	14 43 43.65	−17 36 11.1	18.5	704
1997 GR_{23}	1997 05 01.22623	14 42 54.37	−17 34 50.3	20.0	704
1997 GR_{23}	1997 05 01.24868	14 42 53.04	−17 34 48.5	19.5	704
1997 GR_{23}	1997 05 01.27112	14 42 51.75	−17 34 46.5	19.3	704
1997 GR_{23}	1997 05 01.29362	14 42 50.52	−17 34 45.0	19.0	704
1997 GR_{23}	1997 05 01.31631	14 42 49.25	−17 34 42.9	19.0	704
1997 GR_{23}	1997 05 05.34139	14 39 09.71	−17 28 27.5	18.2	704
1997 GR_{23}	1997 05 05.35876	14 39 08.73	−17 28 25.7	18.4	704
1997 GR_{23}	1997 05 05.37612	14 39 07.73	−17 28 24.2	18.6	704
1997 GR_{23}	1997 05 05.39348	14 39 06.76	−17 28 22.8	18.8	704
1997 GR_{23}	1997 05 05.41084	14 39 05.77	−17 28 20.9	18.8	704
1997 GX_{23}	1997 04 30.22262	14 46 18.08	−10 23 53.4		704
1997 GX_{23}	1997 04 30.24491	14 46 16.61	−10 23 52.2	18.4	704
1997 GX_{23}	1997 04 30.26748	14 46 15.12	−10 23 50.5	18.3	704
1997 GX_{23}	1997 04 30.28993	14 46 13.66	−10 23 49.0	19.0	704
1997 GX_{23}	1997 04 30.31276	14 46 12.15	−10 23 47.9		704
1997 GX_{23}	1997 05 01.22880	14 45 13.79	−10 22 53.4		704
1997 GX_{23}	1997 05 01.25123	14 45 12.34	−10 22 51.7		704
1997 GX_{23}	1997 05 01.27367	14 45 10.82	−10 22 50.1		704
1997 GX_{23}	1997 05 01.29618	14 45 09.34	−10 22 49.0		704
1997 GX_{23}	1997 05 01.31905	14 45 07.82	−10 22 47.7		704
1997 GZ_{23}	1997 04 11.35431	15 07 31.66	−17 18 07.6	18.5	704
1997 GZ_{23}	1997 04 11.41227	15 07 29.34	−17 18 08.1		704
1997 GG_{24}	1997 04 30.20911	14 32 34.16	−13 12 00.6	18.4	704
1997 GG_{24}	1997 04 30.23141	14 32 32.42	−13 12 02.8	19.2	704
1997 GG_{24}	1997 04 30.25383	14 32 30.69	−13 12 04.9	18.6	704
1997 GG_{24}	1997 04 30.27629	14 32 28.89	−13 12 07.9	18.9	704
1997 GG_{24}	1997 04 30.29892	14 32 27.15	−13 12 10.2	19.2	704
1997 GG_{24}	1997 05 01.21379	14 31 18.53	−13 13 53.7	18.9	704
1997 GG_{24}	1997 05 01.23616	14 31 16.74	−13 13 56.3	19.0	704
1997 GG_{24}	1997 05 01.25863	14 31 14.97	−13 13 59.1	19.3	704
1997 GG_{24}	1997 05 01.28108	14 31 13.25	−13 14 01.7	18.9	704
1997 GG_{24}	1997 05 01.30360	14 31 11.49	−13 14 04.3	18.7	704
1997 GG_{24}	1997 05 05.32751	14 26 05.01	−13 21 47.9	19.0	704
1997 GG_{24}	1997 05 05.34487	14 26 03.65	−13 21 49.3	19.1	704
1997 GG_{24}	1997 05 05.36223	14 26 02.28	−13 21 51.4	19.2	704
1997 GG_{24}	1997 05 05.37959	14 26 00.89	−13 21 53.0	19.1	704
1997 GG_{24}	1997 05 05.39695	14 25 59.53	−13 21 55.4	19.6	704
1997 GM_{24}	1997 05 01.21904	14 38 02.38	−10 54 35.0	19.2	704
1997 GM_{24}	1997 05 01.24147	14 38 00.93	−10 54 31.4	19.7	704
1997 GM_{24}	1997 05 01.26390	14 37 59.54	−10 54 27.4	19.6	704
1997 GM_{24}	1997 05 01.28636	14 37 58.11	−10 54 22.4	19.6	704
1997 GM_{24}	1997 05 01.30892	14 37 56.68	−10 54 18.8	19.7	704
1997 GM_{24}	1997 05 05.33387	14 33 48.45	−10 42 16.4	19.1	704
1997 GM_{24}	1997 05 05.35123	14 33 47.34	−10 42 12.7	19.4	704
1997 GM_{24}	1997 05 05.36859	14 33 46.23	−10 42 10.8	19.6	704
1997 GM_{24}	1997 05 05.38596	14 33 45.14	−10 42 07.3	19.2	704
1997 GM_{24}	1997 05 05.40332	14 33 44.08	−10 42 03.9	19.5	704
1997 GN_{24}	1997 04 06.31496	14 50 23.73	−13 35 28.6	19.1	704
1997 GN_{24}	1997 04 06.40939	14 50 19.15	−13 35 34.5		704
1997 GO_{24}	1997 04 30.22101	14 45 31.77	−16 55 49.2	18.4	704
1997 GO_{24}	1997 04 30.24329	14 45 31.10	−16 55 43.6	18.3	704
1997 GO_{24}	1997 04 30.26589	14 45 30.39	−16 55 38.6	18.3	704
1997 GO_{24}	1997 04 30.28831	14 45 29.66	−16 55 32.2	19.3	704
1997 GO_{24}	1997 04 30.31084	14 45 28.99	−16 55 28.1	18.4	704
1997 GO_{24}	1997 05 01.22719	14 45 01.27	−16 51 52.4		704
1997 GO_{24}	1997 05 01.24964	14 45 00.56	−16 51 46.5	18.8	704
1997 GO_{24}	1997 05 01.27207	14 44 59.86	−16 51 41.5		704
1997 GO_{24}	1997 05 01.29457	14 44 59.14	−16 51 36.0	18.4	704
1997 GO_{24}	1997 05 01.31728	14 44 58.44	−16 51 30.9	18.7	704
1997 GQ_{24}	1997 04 30.21721	14 41 59.67	−14 08 49.4	18.5	704
1997 GQ_{24}	1997 04 30.23949	14 41 58.33	−14 08 45.6	18.6	704
1997 GQ_{24}	1997 04 30.26204	14 41 56.95	−14 08 42.1	18.3	704
1997 GQ_{24}	1997 04 30.28446	14 41 55.43	−14 08 37.1	20.0	704
1997 GQ_{24}	1997 04 30.30702	14 41 54.16	−14 08 34.4	19.0	704
1997 GQ_{24}	1997 05 01.24581	14 40 59.71	−14 05 56.8	17.9	704
1997 GQ_{24}	1997 05 01.26822	14 40 58.32	−14 05 52.9	18.0	704
1997 GQ_{24}	1997 05 01.29072	14 40 56.96	−14 05 49.1	17.9	704
1997 GQ_{24}	1997 05 01.31326	14 40 55.68	−14 05 46.0	18.0	704
1997 GH_{32}	* 1997 04 03.29429	13 07 19.46	−07 14 30.4	19.8	704
1997 GH_{32}	1997 04 03.40887	13 07 14.24	−07 13 57.8		704
1997 GH_{32}	1997 04 11.17142	13 01 34.65	−06 37 00.4	19.7	704
1997 GH_{32}	1997 04 11.22836	13 01 32.12	−06 36 41.6		704
1997 GJ_{32}	* 1997 04 03.29571	13 10 02.86	−03 30 08.9	19.1	704
1997 GJ_{32}	1997 04 03.41033	13 09 57.40	−03 29 35.5		704
1997 GJ_{32}	1997 04 11.17251	13 04 02.10	−02 53 02.4	19.3	704
1997 GJ_{32}	1997 04 11.22948	13 03 59.36	−02 52 46.9		704
1997 GK_{32}	* 1997 04 03.29586	13 09 33.19	−03 58 04.8	19.1	704
1997 GK_{32}	1997 04 03.41049	13 09 27.37	−03 57 24.4		704
1997 GK_{32}	1997 04 11.17220	13 03 08.86	−03 13 05.8	19.2	704
1997 GK_{32}	1997 04 11.22916	13 03 05.98	−03 12 46.4		704
1997 GL_{32}	* 1997 04 03.29586	13 10 29.58	−04 15 46.7	19.3	704
1997 GL_{32}	1997 04 03.41049	13 10 23.53	−04 14 32.5		704
1997 GL_{32}	1997 04 11.18682	13 03 41.84	−02 51 45.8	19.7	704
1997 GL_{32}	1997 04 11.22948	13 03 39.46	−02 51 20.1		704
1997 GM_{32}	* 1997 04 03.29602	13 09 40.09	−04 41 54.2	19.6	704
1997 GM_{32}	1997 04 03.41065	13 09 34.18	−04 41 07.1		704
1997 GM_{32}	1997 04 11.17204	13 03 06.67	−03 47 00.7	19.5	704
1997 GM_{32}	1997 04 11.22899	13 03 03.61	−03 46 36.1		704
1997 GN_{32}	* 1997 04 03.29602	13 10 10.16	−04 49 48.1	19.5	704
1997 GN_{32}	1997 04 03.41065	13 10 04.78	−04 49 09.7		704
1997 GN_{32}	1997 04 11.17283	13 04 10.64	−04 05 12.6	19.1	704
1997 GN_{32}	1997 04 11.22981	13 04 07.86	−04 04 53.2		704
1997 GO_{32}	* 1997 04 03.29602	13 10 12.30	−04 23 19.6	19.9	704
1997 GO_{32}	1997 04 03.41065	13 10 06.89	−04 22 22.6		704

1997 GO_{32}	1997 04 11.17267	13 04 13.00	−03 18 42.3	19.3		704
1997 GO_{32}	1997 04 11.22964	13 04 10.27	−03 18 14.2			704
1997 GP_{32}	* 1997 04 03.29618	13 09 42.53	−04 58 32.6	18.7		704
1997 GP_{32}	1997 04 03.41081	13 09 35.95	−04 57 46.5			704
1997 GP_{32}	1997 04 11.17204	13 02 29.73	−04 05 14.8	19.4		704
1997 GP_{32}	1997 04 11.22899	13 02 26.41	−04 04 52.2			704
1997 GQ_{32}	* 1997 04 03.29633	13 10 26.35	−05 49 21.9	19.3		704
1997 GQ_{32}	1997 04 03.41097	13 10 20.42	−05 48 32.0			704
1997 GQ_{32}	1997 04 11.17299	13 04 00.32	−04 52 24.0	19.4		704
1997 GQ_{32}	1997 04 11.22996	13 03 57.44	−04 51 58.7			704
1997 GR_{32}	* 1997 04 03.29649	13 10 24.42	−06 15 50.4	18.9		704
1997 GR_{32}	1997 04 03.38240	13 10 19.39	−06 15 31.9			704
1997 GR_{32}	1997 04 11.17158	13 03 03.42	−05 46 45.3	19.5		704
1997 GR_{32}	1997 04 11.22852	13 03 00.11	−05 46 33.2			704
1997 GS_{32}	* 1997 04 03.29680	13 09 26.45	−07 31 48.6	19.2		704
1997 GS_{32}	1997 04 03.41146	13 09 19.84	−07 30 49.5			704
1997 GS_{32}	1997 04 11.17142	13 02 03.76	−06 23 59.3	19.4		704
1997 GS_{32}	1997 04 11.22836	13 02 00.40	−06 23 29.1			704
1997 GT_{32}	* 1997 04 03.29696	13 10 05.80	−08 23 53.1	18.4		704
1997 GT_{32}	1997 04 03.41162	13 10 00.25	−08 23 22.8			704
1997 GT_{32}	1997 04 11.17379	13 03 50.39	−07 48 24.3	18.4		704
1997 GT_{32}	1997 04 11.23075	13 03 47.67	−07 48 08.2			704
1997 GU_{32}	* 1997 04 03.29712	13 10 19.87	−08 51 47.2	18.8		704
1997 GU_{32}	1997 04 03.41178	13 10 13.44	−08 50 55.5			704
1997 GU_{32}	1997 04 11.17110	13 03 10.83	−07 51 31.9	18.8		704
1997 GU_{32}	1997 04 11.22804	13 03 07.63	−07 51 05.8			704
1997 GV_{32}	* 1997 04 03.29727	13 09 17.44	−09 26 20.8	18.6		704
1997 GV_{32}	1997 04 03.41194	13 09 10.29	−09 26 07.6			704
1997 GV_{32}	1997 04 11.17063	13 01 15.31	−09 11 19.4	18.5		704
1997 GV_{32}	1997 04 11.22756	13 01 11.70	−09 11 12.9			704
1997 GW_{32}	* 1997 04 03.29727	13 09 54.73	−09 24 09.8	18.7		704
1997 GW_{32}	1997 04 03.41194	13 09 48.54	−09 23 37.8			704
1997 GW_{32}	1997 04 11.17079	13 02 57.74	−08 46 12.8	18.7		704
1997 GW_{32}	1997 04 11.22772	13 02 54.56	−08 45 55.6			704
1997 GX_{32}	* 1997 04 03.29727	13 10 23.63	−09 15 17.7	18.0		704
1997 GX_{32}	1997 04 03.41194	13 10 17.55	−09 14 48.2			704
1997 GX_{32}	1997 04 11.17079	13 03 38.44	−08 40 31.1	18.5		704
1997 GX_{32}	1997 04 11.17411	13 03 38.27	−08 40 31.1	17.8		704
1997 GX_{32}	1997 04 11.22772	13 03 35.34	−08 40 16.3			704
1997 GX_{32}	1997 04 11.23106	13 03 35.22	−08 40 14.6			704
1997 GY_{32}	* 1997 04 03.29727	13 10 35.54	−09 39 36.0	19.1		704
1997 GY_{32}	1997 04 03.41194	13 10 29.16	−09 39 12.0			704
1997 GY_{32}	1997 04 11.17063	13 03 31.90	−09 10 12.7	18.6		704
1997 GY_{32}	1997 04 11.22756	13 03 28.70	−09 09 59.8			704
1997 GZ_{32}	* 1997 04 03.29744	13 10 20.29	−10 07 10.9	18.6		704
1997 GZ_{32}	1997 04 03.41211	13 10 14.48	−10 06 40.0			704
1997 GZ_{32}	1997 04 11.17427	13 03 52.44	−09 29 22.1	18.6		704
1997 GZ_{32}	1997 04 11.23121	13 03 49.55	−09 29 04.7			704
1997 GA_{33}	* 1997 04 03.29744	13 10 34.21	−10 01 10.6	17.9		704
1997 GA_{33}	1997 04 03.41211	13 10 27.69	−10 00 53.3			704
1997 GA_{33}	1997 04 11.17063	13 03 09.11	−09 39 56.8	18.2		704
1997 GA_{33}	1997 04 11.22756	13 03 05.77	−09 39 47.3			704
1997 GB_{33}	* 1997 04 03.29775	13 11 37.32	−10 21 29.9	17.9		704
1997 GB_{33}	1997 04 03.41243	13 11 31.13	−10 20 43.0			704
1997 GB_{33}	1997 04 11.17427	13 04 39.85	−09 25 43.3	18.9		704
1997 GB_{33}	1997 04 11.23121	13 04 36.63	−09 25 18.4			704
1997 GC_{33}	* 1997 04 03.29775	13 12 56.90	−10 22 19.6	18.6		704
1997 GC_{33}	1997 04 03.41243	13 12 49.75	−10 21 46.2			704
1997 GC_{33}	1997 04 11.17427	13 04 53.64	−09 42 53.1	18.9		704
1997 GC_{33}	1997 04 11.17443	13 04 53.62	−09 42 53.6	18.5		704
1997 GC_{33}	1997 04 11.23121	13 04 50.09	−09 42 36.1			704
1997 GC_{33}	1997 04 11.23137	13 04 49.95	−09 42 36.2			704
1997 GD_{33}	* 1997 04 03.29791	13 12 03.95	−10 07 33.7	19.3		704
1997 GD_{33}	1997 04 03.41259	13 11 57.07	−10 07 10.7			704
1997 GD_{33}	1997 04 11.18856	13 04 20.80	−09 40 26.6	19.4		704
1997 GD_{33}	1997 04 11.23121	13 04 18.28	−09 40 18.4			704
1997 GE_{33}	* 1997 04 03.29807	13 11 10.20	−09 36 29.9	19.7		704
1997 GE_{33}	1997 04 03.38398	13 11 05.76	−09 36 18.7			704
1997 GE_{33}	1997 04 11.18856	13 04 27.16	−09 18 21.3	19.7		704
1997 GE_{33}	1997 04 11.23121	13 04 24.84	−09 18 15.1			704
1997 GF_{33}	* 1997 04 03.29807	13 11 43.91	−09 17 49.4	19.1		704
1997 GF_{33}	1997 04 03.41276	13 11 38.13	−09 17 02.8			704
1997 GF_{33}	1997 04 11.17395	13 05 23.91	−08 24 13.4	19.1		704
1997 GF_{33}	1997 04 11.21662	13 05 21.84	−08 23 55.2			704
1997 GG_{33}	* 1997 04 03.29807	13 12 39.40	−09 17 19.8	19.2		704
1997 GG_{33}	1997 04 03.41276	13 12 31.51	−09 17 28.6			704
1997 GG_{33}	1997 04 11.18856	13 03 48.50	−09 24 54.5	19.4		704
1997 GG_{33}	1997 04 11.23121	13 03 45.56	−09 24 57.2			704
1997 GH_{33}	* 1997 04 03.29822	13 12 12.79	−08 55 31.9	19.8		704
1997 GH_{33}	1997 04 03.41292	13 12 05.81	−08 55 08.5			704
1997 GH_{33}	1997 04 11.17395	13 04 19.76	−08 27 26.1	19.7		704
1997 GH_{33}	1997 04 11.21662	13 04 17.10	−08 27 17.5			704
1997 GJ_{33}	* 1997 04 03.29822	13 12 19.58	−08 45 56.2	18.9		704
1997 GJ_{33}	1997 04 03.41292	13 12 13.86	−08 45 16.3			704
1997 GJ_{33}	1997 04 11.17395	13 06 01.27	−07 59 39.1	19.4		704
1997 GJ_{33}	1997 04 11.17538	13 06 01.16	−07 59 38.3	18.9		704
1997 GJ_{33}	1997 04 11.21662	13 05 59.12	−07 59 24.5			704
1997 GJ_{33}	1997 04 11.23231	13 05 58.36	−07 59 17.4			704
1997 GK_{33}	* 1997 04 03.29838	13 11 32.32	−08 01 13.3	18.5		704
1997 GK_{33}	1997 04 03.41308	13 11 27.26	−08 00 29.1			704
1997 GK_{33}	1997 04 11.17362	13 05 53.22	−07 10 05.2	18.7		704
1997 GK_{33}	1997 04 11.23059	13 05 50.65	−07 09 43.8			704
1997 GL_{33}	* 1997 04 03.29838	13 11 40.52	−08 02 32.4	20.0		704
1997 GL_{33}	1997 04 03.41308	13 11 35.17	−08 02 03.5			704
1997 GL_{33}	1997 04 11.17379	13 05 42.18	−07 26 32.9	19.5		704
1997 GL_{33}	1997 04 11.23075	13 05 39.46	−07 26 18.5			704
1997 GM_{33}	* 1997 04 03.29854	13 10 59.99	−07 41 02.4	18.7		704
1997 GM_{33}	1997 04 03.41324	13 10 54.47	−07 39 53.3			704
1997 GM_{33}	1997 04 11.17346	13 04 48.98	−06 22 13.7	18.3		704
1997 GM_{33}	1997 04 11.23043	13 04 46.23	−06 21 39.4			704
1997 GN_{33}	* 1997 04 03.29869	13 11 26.99	−07 04 19.9	19.4		704
1997 GN_{33}	1997 04 03.41340	13 11 19.95	−07 03 42.4			704
1997 GN_{33}	1997 04 11.17142	13 03 34.26	−06 21 14.6	19.5		704
1997 GN_{33}	1997 04 11.17346	13 03 33.99	−06 21 12.4	19.3		704

1997 GN_{33}	1997 04 11.21614	13 03 31.42	−06 20 57.0		704
1997 GN_{33}	1997 04 11.22836	13 03 30.70	−06 20 53.9		704
1997 GO_{33}	* 1997 04 03.29869	13 13 02.80	−06 47 29.7	19.4	704
1997 GO_{33}	1997 04 03.41340	13 12 55.86	−06 46 58.3		704
1997 GO_{33}	1997 04 11.17346	13 05 15.21	−06 09 05.0	19.4	704
1997 GO_{33}	1997 04 11.23043	13 05 11.78	−06 08 48.0		704
1997 GP_{33}	* 1997 04 03.29885	13 11 03.76	−06 34 34.8	18.9	704
1997 GP_{33}	1997 04 03.41357	13 10 57.94	−06 33 52.1		704
1997 GP_{33}	1997 04 11.17330	13 04 35.68	−05 46 31.2	19.1	704
1997 GP_{33}	1997 04 11.23028	13 04 32.80	−05 46 09.5		704
1997 GQ_{33}	* 1997 04 03.29885	13 11 40.44	−06 25 33.1	19.5	704
1997 GQ_{33}	1997 04 03.41357	13 11 34.93	−06 25 02.2		704
1997 GQ_{33}	1997 04 11.17330	13 05 29.85	−05 50 36.0	19.8	704
1997 GQ_{33}	1997 04 11.23028	13 05 27.06	−05 50 20.6		704
1997 GR_{33}	* 1997 04 03.29885	13 11 57.00	−06 38 12.9	18.8	704
1997 GR_{33}	1997 04 03.41357	13 11 51.60	−06 37 42.6		704
1997 GR_{33}	1997 04 11.17330	13 05 50.48	−06 04 22.1	19.7	704
1997 GR_{33}	1997 04 11.23028	13 05 47.73	−06 04 07.8		704
1997 GS_{33}	* 1997 04 03.29901	13 11 38.61	−05 56 04.8	18.7	704
1997 GS_{33}	1997 04 03.41373	13 11 32.79	−05 55 45.9		704
1997 GS_{33}	1997 04 11.17330	13 05 06.49	−05 34 59.4	19.6	704
1997 GS_{33}	1997 04 11.23028	13 05 03.65	−05 34 51.9		704
1997 GT_{33}	* 1997 04 03.29901	13 11 49.59	−05 51 10.0	18.0	704
1997 GT_{33}	1997 04 03.41373	13 11 43.60	−05 50 22.4		704
1997 GT_{33}	1997 04 11.17314	13 05 15.50	−04 58 00.7	18.2	704
1997 GT_{33}	1997 04 11.23012	13 05 12.55	−04 57 38.6		704
1997 GU_{33}	* 1997 04 03.29901	13 12 50.40	−05 55 20.7	19.2	704
1997 GU_{33}	1997 04 03.41373	13 12 44.06	−05 54 52.3		704
1997 GU_{33}	1997 04 11.17314	13 05 46.70	−05 22 33.0	19.7	704
1997 GU_{33}	1997 04 11.23012	13 05 43.59	−05 22 19.5		704
1997 GV_{33}	* 1997 04 03.29916	13 11 04.70	−05 25 14.1	19.8	704
1997 GV_{33}	1997 04 03.41389	13 10 58.51	−05 24 47.0		704
1997 GV_{33}	1997 04 11.17299	13 04 08.60	−04 53 37.9	19.5	704
1997 GV_{33}	1997 04 11.17314	13 04 08.61	−04 53 37.4	19.3	704
1997 GV_{33}	1997 04 11.22996	13 04 05.52	−04 53 24.6		704
1997 GV_{33}	1997 04 11.23012	13 04 05.44	−04 53 23.4		704
1997 GW_{33}	* 1997 04 03.29916	13 11 24.10	−05 19 57.8	19.5	704
1997 GW_{33}	1997 04 03.41389	13 11 16.71	−05 19 39.6		704
1997 GW_{33}	1997 04 11.17173	13 03 14.08	−05 00 40.3	18.8	704
1997 GW_{33}	1997 04 11.22868	13 03 10.36	−05 00 32.0		704
1997 GX_{33}	* 1997 04 03.29947	13 11 41.19	−04 12 14.6	18.2	704
1997 GX_{33}	1997 04 03.41421	13 11 35.24	−04 11 23.2		704
1997 GX_{33}	1997 04 11.17267	13 05 00.58	−03 14 30.3	18.1	704
1997 GX_{33}	1997 04 11.22964	13 04 57.58	−03 14 06.4		704
1997 GY_{33}	* 1997 04 03.29947	13 12 40.18	−04 12 14.0	20.1	704
1997 GY_{33}	1997 04 03.41421	13 12 34.73	−04 11 46.0		704
1997 GY_{33}	1997 04 11.17680	13 06 36.08	−03 39 02.2	19.5	704
1997 GY_{33}	1997 04 11.23356	13 06 33.35	−03 38 48.3		704
1997 GZ_{33}	* 1997 04 03.29963	13 11 41.33	−03 10 43.2	19.4	704
1997 GZ_{33}	1997 04 03.41438	13 11 34.26	−03 10 12.0		704
1997 GZ_{33}	1997 04 11.17251	13 03 43.54	−02 35 44.2	19.5	704
1997 GZ_{33}	1997 04 11.22948	13 03 39.87	−02 35 27.7		704
1997 GA_{34}	* 1997 04 03.29963	13 12 32.67	−03 30 00.7	19.5	704
1997 GA_{34}	1997 04 03.41438	13 12 25.47	−03 30 00.9		704
1997 GA_{34}	1997 04 11.17267	13 04 29.87	−03 31 51.4	19.3	704
1997 GA_{34}	1997 04 11.22964	13 04 26.33	−03 31 54.3		704
1997 GB_{34}	* 1997 04 03.30010	13 13 18.55	−03 39 43.1	18.8	704
1997 GB_{34}	1997 04 03.41486	13 13 12.37	−03 39 28.3		704
1997 GB_{34}	1997 04 11.17680	13 06 17.35	−03 24 17.1	18.5	704
1997 GB_{34}	1997 04 11.23356	13 06 14.24	−03 24 11.2		704
1997 GC_{34}	* 1997 04 03.30026	13 13 19.72	−03 50 36.7	18.4	704
1997 GC_{34}	1997 04 03.41502	13 13 13.55	−03 50 15.2		704
1997 GC_{34}	1997 04 11.17680	13 06 22.85	−03 27 17.3	19.0	704
1997 GC_{34}	1997 04 11.23356	13 06 19.79	−03 27 06.8		704
1997 GD_{34}	* 1997 04 03.30026	13 13 23.53	−04 14 19.2	19.2	704
1997 GD_{34}	1997 04 03.41502	13 13 17.03	−04 13 30.3		704
1997 GD_{34}	1997 04 11.17680	13 06 10.28	−03 20 48.8	19.7	704
1997 GD_{34}	1997 04 11.23356	13 06 07.11	−03 20 24.9		704
1997 GE_{34}	* 1997 04 03.30026	13 13 36.35	−03 45 37.9	19.5	704
1997 GE_{34}	1997 04 03.38619	13 13 32.03	−03 45 04.0		704
1997 GE_{34}	1997 04 11.17695	13 07 07.53	−02 57 11.7	19.2	704
1997 GE_{34}	1997 04 11.23372	13 07 04.60	−02 56 51.6		704
1997 GF_{34}	* 1997 04 03.30026	13 14 01.14	−03 57 01.5	19.1	704
1997 GF_{34}	1997 04 03.41502	13 13 55.37	−03 56 30.9		704
1997 GF_{34}	1997 04 11.17680	13 07 32.68	−03 22 50.6	19.4	704
1997 GF_{34}	1997 04 11.23356	13 07 29.84	−03 22 37.8		704
1997 GG_{34}	* 1997 04 03.30026	13 15 17.66	−03 45 31.3	19.2	704
1997 GG_{34}	1997 04 03.41502	13 15 12.37	−03 44 57.6		704
1997 GG_{34}	1997 04 11.17711	13 09 26.50	−03 06 38.8	19.6	704
1997 GG_{34}	1997 04 11.17726	13 09 26.53	−03 06 37.8	19.7	704
1997 GG_{34}	1997 04 11.23387	13 09 23.86	−03 06 22.6		704
1997 GG_{34}	1997 04 11.23403	13 09 23.82	−03 06 21.7		704
1997 GH_{34}	* 1997 04 03.30041	13 13 23.48	−04 19 54.5	19.1	704
1997 GH_{34}	1997 04 03.41519	13 13 17.79	−04 19 16.4		704
1997 GH_{34}	1997 04 11.17680	13 06 57.64	−03 36 47.2	19.5	704
1997 GH_{34}	1997 04 11.23356	13 06 54.79	−03 36 29.3		704
1997 GJ_{34}	* 1997 04 03.30041	13 13 49.36	−04 19 43.8	18.5	704
1997 GJ_{34}	1997 04 03.41519	13 13 43.07	−04 19 28.6		704
1997 GJ_{34}	1997 04 11.17663	13 06 51.92	−04 04 41.9	18.2	704
1997 GJ_{34}	1997 04 11.23340	13 06 48.84	−04 04 36.4		704
1997 GK_{34}	* 1997 04 03.30041	13 14 37.08	−04 49 35.4	19.7	704
1997 GK_{34}	1997 04 03.41519	13 14 31.36	−04 49 07.8		704
1997 GK_{34}	1997 04 11.19061	13 08 11.12	−04 20 03.9	19.9	704
1997 GK_{34}	1997 04 11.23325	13 08 09.06	−04 19 55.4		704
1997 GL_{34}	* 1997 04 03.30057	13 14 07.00	−04 57 19.1	18.1	704
1997 GL_{34}	1997 04 03.41535	13 14 00.31	−04 56 51.6		704
1997 GL_{34}	1997 04 11.17647	13 06 44.80	−04 26 33.6		704
1997 GL_{34}	1997 04 11.23325	13 06 41.50	−04 26 20.7		704
1997 GM_{34}	* 1997 04 03.30057	13 15 12.81	−05 01 34.7	18.2	704
1997 GM_{34}	1997 04 03.41535	13 15 05.64	−05 00 56.1		704
1997 GM_{34}	1997 04 11.17647	13 07 10.19	−04 17 15.8	18.4	704
1997 GM_{34}	1997 04 11.17663	13 07 10.21	−04 17 16.3	18.6	704
1997 GM_{34}	1997 04 11.23325	13 07 06.61	−04 16 57.7		704
1997 GM_{34}	1997 04 11.23340	13 07 06.56	−04 16 57.1		704

1997 GN_{34}	*	1997 04 03.30073	13 13 25.78	−05 32 29.9	19.2	704
1997 GN_{34}		1997 04 03.41551	13 13 19.59	−05 31 42.4		704
1997 GN_{34}		1997 04 11.17647	13 06 35.85	−04 39 35.1	19.4	704
1997 GN_{34}		1997 04 11.23325	13 06 32.80	−04 39 12.3		704
1997 GO_{34}	*	1997 04 03.30073	13 13 42.08	−05 42 32.6	19.0	704
1997 GO_{34}		1997 04 03.41551	13 13 35.21	−05 41 48.0		704
1997 GO_{34}		1997 04 11.17299	13 05 55.87	−04 52 34.7	19.5	704
1997 GO_{34}		1997 04 11.22996	13 05 52.44	−04 52 15.0		704
1997 GP_{34}	*	1997 04 03.30073	13 14 40.49	−05 44 05.7	18.4	704
1997 GP_{34}		1997 04 03.41551	13 14 34.96	−05 43 39.2		704
1997 GP_{34}		1997 04 11.17773	13 08 30.22	−05 12 59.5	18.6	704
1997 GP_{34}		1997 04 11.23450	13 08 27.44	−05 12 46.6		704
1997 GQ_{34}	*	1997 04 03.30103	13 13 32.00	−06 40 33.8	19.7	704
1997 GQ_{34}		1997 04 03.41567	13 13 25.59	−06 40 21.1		704
1997 GQ_{34}		1997 04 11.17599	13 06 15.08	−06 25 49.0	19.8	704
1997 GQ_{34}		1997 04 11.23278	13 06 11.81	−06 25 43.8		704
1997 GR_{34}	*	1997 04 03.30103	13 13 40.01	−06 39 33.7	19.3	704
1997 GR_{34}		1997 04 03.41567	13 13 33.45	−06 38 40.3		704
1997 GR_{34}		1997 04 11.17615	13 06 15.18	−05 38 33.0	19.4	704
1997 GR_{34}		1997 04 11.23293	13 06 11.90	−05 38 06.7		704
1997 GS_{34}	*	1997 04 03.30103	13 13 59.97	−06 22 02.8	19.5	704
1997 GS_{34}		1997 04 03.41567	13 13 54.09	−06 21 46.5		704
1997 GS_{34}		1997 04 11.17615	13 07 25.40	−06 04 31.8	19.1	704
1997 GS_{34}		1997 04 11.23293	13 07 22.49	−06 04 23.5		704
1997 GT_{34}	*	1997 04 03.30103	13 14 39.11	−06 25 55.2	18.5	704
1997 GT_{34}		1997 04 03.41567	13 14 33.66	−06 25 23.9		704
1997 GT_{34}		1997 04 11.17789	13 08 35.41	−05 49 32.4	18.4	704
1997 GT_{34}		1997 04 11.23465	13 08 32.69	−05 49 17.0		704
1997 GU_{34}	*	1997 04 03.30119	13 14 32.66	−06 57 32.4	19.0	704
1997 GU_{34}		1997 04 03.41583	13 14 24.67	−06 57 51.6		704
1997 GU_{34}		1997 04 11.17379	13 05 40.51	−07 18 22.7	18.6	704
1997 GU_{34}		1997 04 11.18792	13 05 39.57	−07 18 25.5	19.4	704
1997 GU_{34}		1997 04 11.23059	13 05 36.57	−07 18 32.8		704
1997 GU_{34}		1997 04 11.23075	13 05 36.64	−07 18 32.5		704
1997 GV_{34}	*	1997 04 03.30119	13 15 34.29	−06 52 13.0	18.0	704
1997 GV_{34}		1997 04 03.41583	13 15 28.16	−06 52 01.4		704
1997 GV_{34}		1997 04 11.17804	13 08 40.21	−06 39 07.9	17.3	704
1997 GV_{34}		1997 04 11.23481	13 08 37.10	−06 39 01.7		704
1997 GW_{34}	*	1997 04 03.30134	13 14 09.54	−07 19 17.9	19.1	704
1997 GW_{34}		1997 04 03.41600	13 14 04.03	−07 18 26.8		704
1997 GW_{34}		1997 04 11.17599	13 07 59.99	−06 21 10.7	19.1	704
1997 GW_{34}		1997 04 11.23278	13 07 57.27	−06 20 46.4		704
1997 GX_{34}	*	1997 04 03.30150	13 14 22.02	−08 25 01.6	18.7	704
1997 GX_{34}		1997 04 03.41616	13 14 16.19	−08 24 02.4		704
1997 GX_{34}		1997 04 11.17584	13 07 52.42	−07 16 00.7	18.9	704
1997 GX_{34}		1997 04 11.23262	13 07 49.47	−07 15 30.9		704
1997 GY_{34}	*	1997 04 03.30181	13 14 49.84	−09 40 41.0	18.3	704
1997 GY_{34}		1997 04 03.41648	13 14 44.18	−09 40 01.9		704
1997 GY_{34}		1997 04 11.17868	13 08 30.79	−08 55 07.2	18.3	704
1997 GY_{34}		1997 04 11.23543	13 08 27.94	−08 54 46.1		704
1997 GZ_{34}	*	1997 04 03.30213	13 13 18.77	−10 21 57.0	19.3	704
1997 GZ_{34}		1997 04 03.41681	13 13 13.02	−10 21 18.2		704
1997 GZ_{34}		1997 04 11.17507	13 06 51.58	−09 36 49.2	19.2	704
1997 GZ_{34}		1997 04 11.23200	13 06 48.77	−09 36 30.5		704
1997 GA_{35}	*	1997 04 03.30213	13 15 01.26	−10 40 42.5	19.6	704
1997 GA_{35}		1997 04 03.41681	13 14 54.90	−10 40 16.4		704
1997 GA_{35}		1997 04 11.17491	13 07 49.09	−10 09 12.2	19.5	704
1997 GA_{35}		1997 04 11.23184	13 07 45.91	−10 08 58.1		704
1997 GB_{35}	*	1997 04 03.30245	13 11 23.77	−11 26 49.7	18.0	704
1997 GB_{35}		1997 04 03.41713	13 11 17.83	−11 26 39.2		704
1997 GB_{35}		1997 04 11.18432	13 04 43.93	−11 13 56.6		704
1997 GB_{35}		1997 04 11.24109	13 04 41.00	−11 13 51.5		704
1997 GC_{35}	*	1997 04 03.30261	13 09 42.44	−11 27 49.5	19.1	704
1997 GC_{35}		1997 04 03.41729	13 09 36.05	−11 26 59.5		704
1997 GC_{35}		1997 04 11.17031	13 02 34.14	−10 26 24.1	18.7	704
1997 GC_{35}		1997 04 11.22725	13 02 30.85	−10 25 57.1		704
1997 GE_{35}	*	1997 04 06.32845	15 04 37.88	−11 08 13.4	19.4	704
1997 GE_{35}		1997 04 06.42304	15 04 34.39	−11 07 37.4		704
1997 GE_{35}		1997 04 11.35161	15 01 26.46	−10 36 05.1	19.7	704
1997 GE_{35}		1997 04 11.40955	15 01 23.86	−10 35 43.7		704
1997 GF_{35}	*	1997 04 06.32845	15 05 51.58	−11 34 11.7	20.2	704
1997 GF_{35}		1997 04 06.42304	15 05 47.79	−11 33 55.2		704
1997 GF_{35}		1997 04 11.35145	15 02 15.38	−11 19 16.0	19.7	704
1997 GF_{35}		1997 04 11.40939	15 02 12.50	−11 19 04.4		704
1997 GG_{35}	*	1997 04 06.32845	15 05 54.76	−11 12 26.1	19.3	704
1997 GG_{35}		1997 04 06.42304	15 05 51.20	−11 11 57.5		704
1997 GG_{35}		1997 04 11.35161	15 02 32.65	−10 46 36.9	19.5	704
1997 GG_{35}		1997 04 11.40955	15 02 29.95	−10 46 17.3		704
1997 GH_{35}	*	1997 04 06.32861	15 04 14.39	−12 05 13.2	20.0	704
1997 GH_{35}		1997 04 06.42320	15 04 11.35	−12 04 34.4		704
1997 GH_{35}		1997 04 11.35145	15 01 24.93	−11 29 50.2	19.7	704
1997 GH_{35}		1997 04 11.40939	15 01 22.57	−11 29 25.2		704
1997 GJ_{35}	*	1997 04 06.32861	15 05 04.34	−11 56 06.5	18.1	704
1997 GJ_{35}		1997 04 06.42320	15 05 01.50	−11 55 45.1		704
1997 GJ_{35}		1997 04 11.35145	15 02 19.21	−11 36 00.5	18.9	704
1997 GJ_{35}		1997 04 11.40939	15 02 16.89	−11 35 45.1		704
1997 GK_{35}	*	1997 04 06.32861	15 05 19.93	−12 10 33.0	20.0	704
1997 GK_{35}		1997 04 06.42320	15 05 15.89	−12 10 34.2		704
1997 GK_{35}		1997 04 11.36566	15 01 39.44	−12 11 34.8	19.5	704
1997 GK_{35}		1997 04 11.40923	15 01 37.36	−12 11 35.8		704
1997 GL_{35}	*	1997 04 06.32861	15 05 53.58	−11 42 19.4	19.9	704
1997 GL_{35}		1997 04 06.42320	15 05 51.27	−11 41 55.4		704
1997 GL_{35}		1997 04 11.35192	15 03 43.15	−11 19 12.1	19.5	704
1997 GL_{35}		1997 04 11.36582	15 03 42.61	−11 19 09.0	19.9	704
1997 GL_{35}		1997 04 11.40939	15 03 41.24	−11 18 56.1		704
1997 GL_{35}		1997 04 11.40987	15 03 41.19	−11 18 55.8		704
1997 GM_{35}	*	1997 04 06.32876	15 04 57.76	−12 23 05.4	20.0	704
1997 GM_{35}		1997 04 06.42335	15 04 54.95	−12 22 43.4		704
1997 GM_{35}		1997 04 11.35128	15 02 17.23	−12 01 09.5	19.6	704
1997 GM_{35}		1997 04 11.40923	15 02 14.92	−12 00 53.0		704
1997 GN_{35}	*	1997 04 06.32892	15 05 50.11	−13 00 29.7	20.5	704
1997 GN_{35}		1997 04 06.42351	15 05 47.03	−13 00 15.1		704
1997 GN_{35}		1997 04 11.36549	15 02 59.18	−12 46 18.6	20.2	704
1997 GN_{35}		1997 04 11.40907	15 02 57.43	−12 46 08.5		704

1997 GN_{35}	1997 04 30.22308	14 48 55.03	−11 44 40.1	19.3		704
1997 GN_{35}	1997 04 30.24538	14 48 53.86	−11 44 36.7	19.4		704
1997 GN_{35}	1997 04 30.26795	14 48 52.69	−11 44 30.5	19.6		704
1997 GN_{35}	1997 04 30.31325	14 48 50.38	−11 44 22.3	19.4		704
1997 GN_{35}	1997 05 01.22928	14 48 04.75	−11 41 18.4	18.8		704
1997 GN_{35}	1997 05 01.25172	14 48 03.54	−11 41 13.6	19.2		704
1997 GN_{35}	1997 05 01.27414	14 48 02.39	−11 41 08.8	19.0		704
1997 GN_{35}	1997 05 01.29666	14 48 01.22	−11 41 04.7	19.1		704
1997 GN_{35}	1997 05 01.32014	14 48 00.00	−11 40 59.7	19.2		704
1997 GO_{35}	* 1997 04 06.32923	15 05 22.25	−14 17 06.3	19.9		704
1997 GO_{35}	1997 04 06.42382	15 05 18.82	−14 16 58.2			704
1997 GO_{35}	1997 04 11.35036	15 02 09.60	−14 08 04.0	20.1		704
1997 GO_{35}	1997 04 11.40858	15 02 07.04	−14 07 57.7			704
1997 GP_{35}	* 1997 04 06.32954	15 04 17.94	−15 26 48.4	19.7		704
1997 GP_{35}	1997 04 06.42413	15 04 14.84	−15 26 26.1			704
1997 GP_{35}	1997 04 11.35020	15 01 31.01	−15 06 28.9	19.7		704
1997 GP_{35}	1997 04 11.40842	15 01 28.83	−15 06 12.7			704
1997 GP_{35}	1997 04 30.22355	14 48 12.82	−13 38 10.9	18.5		704
1997 GP_{35}	1997 04 30.24585	14 48 11.77	−13 38 03.6	19.3		704
1997 GP_{35}	1997 04 30.26842	14 48 10.69	−13 37 57.5	18.8		704
1997 GP_{35}	1997 04 30.29090	14 48 09.58	−13 37 50.4	19.3		704
1997 GP_{35}	1997 04 30.31372	14 48 08.53	−13 37 44.8	19.0		704
1997 GP_{35}	1997 05 01.22975	14 47 26.30	−13 33 14.9	18.9		704
1997 GP_{35}	1997 05 01.25221	14 47 25.20	−13 33 07.6	18.9		704
1997 GP_{35}	1997 05 01.27462	14 47 24.15	−13 33 01.0	18.9		704
1997 GP_{35}	1997 05 01.29715	14 47 23.06	−13 32 54.7	18.5		704
1997 GP_{35}	1997 05 01.32061	14 47 21.93	−13 32 47.8	18.4		704
1997 GQ_{35}	* 1997 04 06.32970	15 04 46.74	−16 13 18.4	18.6		704
1997 GQ_{35}	1997 04 06.42429	15 04 43.74	−16 13 00.5			704
1997 GQ_{35}	1997 04 11.34989	15 01 59.89	−15 56 52.1	18.3		704
1997 GQ_{35}	1997 04 11.40810	15 01 57.60	−15 56 39.4			704
1997 GQ_{35}	1997 04 30.22164	14 46 44.35	−14 33 31.9	18.1		704
1997 GQ_{35}	1997 04 30.24394	14 46 42.97	−14 33 25.0			704
1997 GQ_{35}	1997 04 30.26653	14 46 41.68	−14 33 18.4	18.2		704
1997 GQ_{35}	1997 04 30.28896	14 46 40.33	−14 33 12.5	19.0		704
1997 GQ_{35}	1997 04 30.31149	14 46 39.02	−14 33 05.2	18.7		704
1997 GQ_{35}	1997 05 01.22784	14 45 47.40	−14 28 27.9			704
1997 GQ_{35}	1997 05 01.25028	14 45 46.05	−14 28 21.5	18.1		704
1997 GQ_{35}	1997 05 01.27270	14 45 44.73	−14 28 14.6	18.2		704
1997 GQ_{35}	1997 05 01.29521	14 45 43.41	−14 28 07.9			704
1997 GQ_{35}	1997 05 01.31792	14 45 42.08	−14 28 01.0			704
1997 GR_{35}	* 1997 04 06.33001	15 05 07.15	−17 14 41.6	19.9		704
1997 GR_{35}	1997 04 06.42460	15 05 03.75	−17 14 16.1			704
1997 GR_{35}	1997 04 11.34974	15 02 01.42	−16 50 21.5	19.6		704
1997 GR_{35}	1997 04 11.40794	15 01 59.02	−16 50 03.4			704
1997 GS_{35}	* 1997 04 06.33032	15 05 48.06	−18 51 51.3	19.9		704
1997 GS_{35}	1997 04 06.42491	15 05 45.52	−18 51 19.6			704
1997 GS_{35}	1997 04 11.34926	15 03 29.52	−18 21 42.4	18.8		704
1997 GS_{35}	1997 04 11.40746	15 03 27.58	−18 21 19.5			704
1997 GT_{35}	* 1997 04 06.33032	15 06 06.96	−18 26 40.0	19.5		704
1997 GT_{35}	1997 04 06.42491	15 06 03.99	−18 26 23.1			704
1997 GT_{35}	1997 04 11.34942	15 03 22.04	−18 10 30.4	19.6		704
1997 GT_{35}	1997 04 11.40761	15 03 19.81	−18 10 17.9			704
1997 GU_{35}	* 1997 04 06.33064	15 06 26.34	−17 53 32.0	19.7		704
1997 GU_{35}	1997 04 06.42522	15 06 23.10	−17 53 26.2			704
1997 GU_{35}	1997 04 11.34942	15 03 23.19	−17 46 45.1	19.6		704
1997 GU_{35}	1997 04 11.40761	15 03 20.81	−17 46 40.8			704
1997 GV_{35}	* 1997 04 06.33095	15 08 22.97	−16 48 19.9	18.2		704
1997 GV_{35}	1997 04 06.33423	15 08 22.87	−16 48 19.9	19.3		704
1997 GV_{35}	1997 04 06.42554	15 08 20.42	−16 47 48.9			704
1997 GV_{35}	1997 04 06.42883	15 08 20.37	−16 47 47.3			704
1997 GV_{35}	1997 04 11.35319	15 05 59.44	−16 18 13.8	19.5		704
1997 GV_{35}	1997 04 11.35463	15 05 59.32	−16 18 13.4	19.4		704
1997 GV_{35}	1997 04 11.41115	15 05 57.34	−16 17 50.8			704
1997 GV_{35}	1997 04 11.41259	15 05 57.26	−16 17 50.5			704
1997 GW_{35}	* 1997 04 06.33189	15 08 17.59	−13 08 35.7	20.3		704
1997 GW_{35}	1997 04 06.42648	15 08 14.96	−13 08 00.5			704
1997 GW_{35}	1997 04 11.35225	15 05 51.22	−12 35 40.3	20.0		704
1997 GW_{35}	1997 04 11.41018	15 05 49.29	−12 35 16.4			704
1997 GX_{35}	* 1997 04 06.33204	15 07 38.37	−12 51 32.3	19.7		704
1997 GX_{35}	1997 04 06.42664	15 07 35.22	−12 51 03.5			704
1997 GX_{35}	1997 04 11.35225	15 04 46.57	−12 24 20.8	19.1		704
1997 GX_{35}	1997 04 11.41018	15 04 44.30	−12 24 00.3			704
1997 GX_{35}	1997 04 30.22277	14 49 30.46	−10 27 46.4	18.9		704
1997 GX_{35}	1997 04 30.24507	14 49 29.14	−10 27 37.9	19.5		704
1997 GX_{35}	1997 04 30.26764	14 49 27.86	−10 27 29.0	19.1		704
1997 GX_{35}	1997 04 30.29009	14 49 26.56	−10 27 20.8	19.9		704
1997 GX_{35}	1997 04 30.31292	14 49 25.23	−10 27 12.4	19.2		704
1997 GX_{35}	1997 05 01.22896	14 48 34.11	−10 21 23.1	18.5		704
1997 GX_{35}	1997 05 01.25140	14 48 32.81	−10 21 14.6	18.7		704
1997 GX_{35}	1997 05 01.27382	14 48 31.52	−10 21 05.9	18.6		704
1997 GX_{35}	1997 05 01.29634	14 48 30.19	−10 20 57.6	18.8		704
1997 GX_{35}	1997 05 01.31921	14 48 28.86	−10 20 48.8	18.4		704
1997 GY_{35}	* 1997 04 06.33236	15 07 21.26	−11 19 49.1	19.7		704
1997 GY_{35}	1997 04 06.42695	15 07 17.98	−11 19 28.0			704
1997 GY_{35}	1997 04 11.35177	15 04 20.17	−11 00 19.3	20.0		704
1997 GY_{35}	1997 04 11.39538	15 04 18.40	−11 00 08.7			704
1997 GZ_{35}	* 1997 04 06.33236	15 07 26.11	−11 39 16.8	19.4		704
1997 GZ_{35}	1997 04 06.42695	15 07 22.74	−11 39 15.8			704
1997 GZ_{35}	1997 04 11.35192	15 04 21.72	−11 37 53.1	19.2		704
1997 GZ_{35}	1997 04 11.40987	15 04 19.18	−11 37 50.8			704
1997 GA_{36}	* 1997 04 06.33236	15 07 42.86	−11 36 20.3	19.0		704
1997 GA_{36}	1997 04 06.42695	15 07 39.51	−11 35 47.8			704
1997 GA_{36}	1997 04 11.35177	15 04 38.29	−11 06 31.1	19.2		704
1997 GA_{36}	1997 04 11.35192	15 04 38.27	−11 06 30.7	19.1		704
1997 GA_{36}	1997 04 11.40970	15 04 35.89	−11 06 09.9			704
1997 GA_{36}	1997 04 11.40987	15 04 35.92	−11 06 09.8			704
1997 GB_{36}	* 1997 04 06.33267	15 10 19.44	−11 03 54.8	19.6		704
1997 GB_{36}	1997 04 06.42726	15 10 15.26	−11 03 47.2			704
1997 GB_{36}	1997 04 11.35606	15 06 30.45	−10 56 32.9	19.0		704
1997 GB_{36}	1997 04 11.41403	15 06 27.41	−10 56 27.8			704
1997 GB_{36}	1997 04 30.22277	14 47 28.97	−10 25 17.4	18.7		704
1997 GB_{36}	1997 04 30.24507	14 47 27.43	−10 25 15.1	19.0		704
1997 GB_{36}	1997 04 30.26764	14 47 25.81	−10 25 11.5	19.5		704

1997 GB_{36}		1997 04 30.29009	14 47 24.28	−10 25 10.3	19.7	704
1997 GB_{36}		1997 04 30.31292	14 47 22.70	−10 25 08.9	18.6	704
1997 GB_{36}		1997 05 01.22880	14 46 21.83	−10 23 47.6	18.3	704
1997 GB_{36}		1997 05 01.25123	14 46 20.28	−10 23 45.4	18.4	704
1997 GB_{36}		1997 05 01.27367	14 46 18.72	−10 23 43.6	18.9	704
1997 GB_{36}		1997 05 01.29618	14 46 17.16	−10 23 41.4	18.6	704
1997 GB_{36}		1997 05 01.31905	14 46 15.57	−10 23 40.0	18.7	704
1997 GC_{36}	*	1997 04 06.33329	15 10 16.26	−13 06 30.0	19.8	704
1997 GC_{36}		1997 04 06.42789	15 10 13.20	−13 06 17.2		704
1997 GC_{36}		1997 04 11.35542	15 07 26.41	−12 53 49.2	19.6	704
1997 GC_{36}		1997 04 11.35558	15 07 26.43	−12 53 50.4	19.9	704
1997 GC_{36}		1997 04 11.41339	15 07 24.13	−12 53 41.1		704
1997 GC_{36}		1997 04 11.41355	15 07 24.20	−12 53 40.9		704
1997 GD_{36}	*	1997 04 06.33392	15 09 15.40	−15 40 14.4	19.4	704
1997 GD_{36}		1997 04 06.42851	15 09 12.96	−15 40 09.2		704
1997 GD_{36}		1997 04 11.35479	15 06 53.47	−15 34 57.1	19.1	704
1997 GD_{36}		1997 04 11.41275	15 06 51.46	−15 34 51.9		704
1997 GE_{36}	*	1997 04 06.33407	15 10 14.24	−16 11 11.3	19.6	704
1997 GE_{36}		1997 04 06.42867	15 10 10.95	−16 10 50.6		704
1997 GE_{36}		1997 04 11.35479	15 07 08.74	−15 51 24.1	20.0	704
1997 GE_{36}		1997 04 11.41275	15 07 06.27	−15 51 09.4		704
1997 GF_{36}	*	1997 04 06.33423	15 10 00.11	−17 03 57.7	19.1	704
1997 GF_{36}		1997 04 06.42883	15 09 57.74	−17 04 02.8		704
1997 GF_{36}		1997 04 11.35431	15 07 43.87	−17 06 51.7	19.0	704
1997 GF_{36}		1997 04 11.35447	15 07 43.89	−17 06 53.2	19.6	704
1997 GF_{36}		1997 04 11.41227	15 07 41.86	−17 06 53.0		704
1997 GF_{36}		1997 04 11.41243	15 07 41.76	−17 06 53.2		704
1997 GG_{36}	*	1997 04 06.33423	15 10 10.08	−16 51 04.7	19.9	704
1997 GG_{36}		1997 04 06.42883	15 10 07.07	−16 50 48.4		704
1997 GG_{36}		1997 04 11.35447	15 07 21.74	−16 33 38.2	20.0	704
1997 GG_{36}		1997 04 11.41243	15 07 19.48	−16 33 25.1		704
1997 GH_{36}	*	1997 04 06.33439	15 09 12.23	−17 39 08.3	18.3	704
1997 GH_{36}		1997 04 06.42898	15 09 08.25	−17 39 22.9		704
1997 GH_{36}		1997 04 11.35367	15 05 31.35	−17 51 25.5	18.2	704
1997 GH_{36}		1997 04 11.41162	15 05 28.42	−17 51 31.9		704
1997 GJ_{36}	*	1997 04 06.33454	15 08 38.92	−18 15 14.2	19.4	704
1997 GJ_{36}		1997 04 06.42914	15 08 35.05	−18 15 26.4		704
1997 GJ_{36}		1997 04 11.35383	15 05 03.24	−18 25 17.5	19.0	704
1997 GJ_{36}		1997 04 11.41178	15 05 00.50	−18 25 24.1		704
1997 GJ_{36}		1997 04 30.22053	14 46 50.91	−18 47 00.8	18.5	704
1997 GJ_{36}		1997 04 30.24281	14 46 49.35	−18 47 01.3	18.5	704
1997 GJ_{36}		1997 04 30.26541	14 46 47.85	−18 47 02.1	18.6	704
1997 GJ_{36}		1997 04 30.28783	14 46 46.26	−18 47 02.3	19.6	704
1997 GJ_{36}		1997 04 30.31036	14 46 44.73	−18 47 03.9	19.4	704
1997 GJ_{36}		1997 05 01.22671	14 45 44.30	−18 47 28.7	19.6	704
1997 GJ_{36}		1997 05 01.24916	14 45 42.75	−18 47 29.4	19.4	704
1997 GJ_{36}		1997 05 01.27159	14 45 41.26	−18 47 30.3	18.6	704
1997 GJ_{36}		1997 05 01.29409	14 45 39.73	−18 47 30.8	18.7	704
1997 GJ_{36}		1997 05 01.31679	14 45 38.15	−18 47 31.3	19.1	704
1997 GK_{36}	*	1997 04 06.33454	15 10 29.78	−17 52 09.5	19.4	704
1997 GK_{36}		1997 04 06.42914	15 10 25.86	−17 52 14.6		704
1997 GK_{36}		1997 04 11.35415	15 06 52.91	−17 56 13.6	18.9	704
1997 GK_{36}		1997 04 11.41211	15 06 50.19	−17 56 15.4		704
1997 GL_{36}	*	1997 04 06.33486	15 11 08.87	−18 20 47.7	19.6	704
1997 GL_{36}		1997 04 06.42945	15 11 06.30	−18 20 35.7		704
1997 GL_{36}		1997 04 11.35813	15 08 48.29	−18 08 17.0	20.0	704
1997 GL_{36}		1997 04 11.41609	15 08 46.27	−18 08 05.6		704
1997 GM_{36}	*	1997 04 06.33486	15 12 14.66	−18 47 23.1	19.8	704
1997 GM_{36}		1997 04 06.42945	15 12 12.23	−18 47 04.4		704
1997 GM_{36}		1997 04 11.35829	15 09 56.57	−18 28 24.9	19.5	704
1997 GM_{36}		1997 04 11.41626	15 09 54.48	−18 28 11.6		704
1997 GN_{36}	*	1997 04 06.33486	15 12 23.06	−18 45 40.3	20.1	704
1997 GN_{36}		1997 04 06.42945	15 12 19.43	−18 45 31.5		704
1997 GN_{36}		1997 04 11.35829	15 09 04.14	−18 36 58.3	19.7	704
1997 GN_{36}		1997 04 11.41626	15 09 01.60	−18 36 50.9		704
1997 GO_{36}	*	1997 04 06.33486	15 12 49.79	−18 38 41.5	19.5	704
1997 GO_{36}		1997 04 06.42945	15 12 46.65	−18 38 33.8		704
1997 GO_{36}		1997 04 11.35829	15 09 57.36	−18 31 06.1	19.6	704
1997 GO_{36}		1997 04 11.41626	15 09 55.14	−18 30 59.9		704
1997 GP_{36}	*	1997 04 06.33501	15 11 13.28	−18 05 28.3	18.1	704
1997 GP_{36}		1997 04 06.42961	15 11 11.15	−18 04 37.1		704
1997 GP_{36}		1997 04 11.35796	15 09 11.03	−17 18 37.9		704
1997 GP_{36}		1997 04 11.41594	15 09 09.19	−17 18 04.5		704
1997 GQ_{36}	*	1997 04 06.33517	15 12 09.31	−17 27 32.9	19.8	704
1997 GQ_{36}		1997 04 06.42976	15 12 06.50	−17 27 22.9		704
1997 GQ_{36}		1997 04 11.35796	15 09 33.53	−17 17 28.2	19.6	704
1997 GQ_{36}		1997 04 11.41594	15 09 31.44	−17 17 20.5		704
1997 GR_{36}	*	1997 04 07.30814	15 04 24.34	−12 16 13.3	19.0	704
1997 GR_{36}		1997 04 07.38681	15 04 21.08	−12 16 02.1		704
1997 GR_{36}		1997 04 11.35128	15 01 31.72	−12 05 34.4	19.3	704
1997 GR_{36}		1997 04 11.40923	15 01 29.04	−12 05 24.5		704
1997 GS_{36}	*	1997 04 07.31336	15 08 29.94	−13 06 11.3	19.9	704
1997 GS_{36}		1997 04 07.41828	15 08 26.55	−13 05 56.8		704
1997 GS_{36}		1997 04 11.35542	15 06 10.52	−12 57 12.8		704
1997 GS_{36}		1997 04 11.41339	15 06 08.20	−12 57 03.8		704
1997 GT_{36}	*	1997 04 07.31406	15 10 39.59	−15 34 01.3	18.8	704
1997 GT_{36}		1997 04 07.41898	15 10 36.12	−15 33 42.5		704
1997 GT_{36}		1997 04 11.35479	15 08 23.58	−15 21 19.9	19.1	704
1997 GT_{36}		1997 04 11.35748	15 08 23.38	−15 21 19.2	19.3	704
1997 GT_{36}		1997 04 11.41275	15 08 21.32	−15 21 08.3		704
1997 GT_{36}		1997 04 11.41547	15 08 21.20	−15 21 06.7		704
1997 GV_{36}		1997 04 11.18228	13 13 34.88	−06 05 56.9	18.4	704
1997 GV_{36}		1997 04 11.18244	13 13 34.87	−06 05 57.8	18.4	704
1997 GV_{36}		1997 04 11.23905	13 13 32.30	−06 05 40.6		704
1997 GV_{36}		1997 04 11.23921	13 13 32.28	−06 05 40.5		704
1997 GY_{36}	*	1997 04 03.27505	12 48 20.35	−09 20 29.5	18.1	704
1997 GY_{36}		1997 04 03.38936	12 48 14.02	−09 19 39.5		704
1997 GZ_{36}	*	1997 04 03.27679	12 46 51.13	−02 51 29.0	19.6	704
1997 GZ_{36}		1997 04 03.39111	12 46 45.47	−02 51 12.4		704
1997 GA_{37}	*	1997 04 03.29382	13 07 52.95	−09 02 33.0	19.8	704
1997 GA_{37}		1997 04 03.40838	13 07 46.34	−09 01 35.6		704
1997 GB_{37}	*	1997 04 03.30213	13 15 26.01	−10 48 28.6	19.2	704
1997 GB_{37}		1997 04 03.41681	13 15 19.74	−10 47 49.3		704
1997 GC_{37}		1997 04 07.15219	13 02 22.52	−08 22 07.2	19.3	704

1997 GC_{37}	1997 04 07.23063	13 02 18.06	−08 21 21.8			704
1997 GD_{37}	1997 04 11.17680	13 07 00.97	−03 39 20.1	19.4		704
1997 GD_{37}	1997 04 11.23356	13 06 57.67	−03 38 53.3			704
1997 GE_{37}	1997 04 11.17663	13 08 17.43	−03 47 50.4	19.3		704
1997 GE_{37}	1997 04 11.23340	13 08 14.76	−03 47 24.2			704
1997 GF_{37}	1997 04 11.19124	13 09 39.90	−02 51 13.5	19.6		704
1997 GF_{37}	1997 04 11.23387	13 09 37.58	−02 50 56.4			704
1997 GG_{37}	1997 04 11.17711	13 10 13.39	−02 36 22.0	18.7		704
1997 GG_{37}	1997 04 11.23387	13 10 10.31	−02 35 59.0			704
1997 GH_{37}	1997 04 11.17460	13 05 42.73	−10 36 41.3	19.1		704
1997 GH_{37}	1997 04 11.23153	13 05 39.91	−10 36 02.6			704
1997 GJ_{37}	1997 04 11.18416	13 06 08.12	−11 14 40.0	19.0		704
1997 GJ_{37}	1997 04 11.24094	13 06 04.86	−11 14 19.9			704
1997 GK_{37}	1997 04 11.18416	13 06 31.12	−11 05 22.1	18.4		704
1997 GK_{37}	1997 04 11.24094	13 06 27.91	−11 05 02.4			704
1997 GL_{37}	1997 04 11.18416	13 07 31.20	−11 22 43.2	18.9		704
1997 GL_{37}	1997 04 11.24094	13 07 28.21	−11 22 34.0			704
1997 GM_{37}	1997 04 11.18400	13 08 46.67	−11 02 56.1	18.3		704
1997 GM_{37}	1997 04 11.24078	13 08 43.55	−11 02 36.0			704
1997 GN_{37}	1997 04 11.17820	13 10 01.84	−06 57 06.8	19.1		704
1997 GN_{37}	1997 04 11.23497	13 09 58.99	−06 56 30.3			704
1997 GO_{37}	1997 04 11.19265	13 10 11.35	−07 55 28.3	19.0		704
1997 GO_{37}	1997 04 11.23528	13 10 09.14	−07 55 16.1			704
1997 GP_{37}	1997 04 11.19265	13 10 13.32	−07 56 52.6	18.4		704
1997 GP_{37}	1997 04 11.23528	13 10 11.05	−07 56 40.7			704
1997 GQ_{37}	1997 04 11.17820	13 09 17.28	−07 05 39.1	19.0		704
1997 GQ_{37}	1997 04 11.23497	13 09 13.64	−07 05 19.9			704
1997 GR_{37}	1997 04 11.18024	13 11 22.58	−07 05 40.5	19.1		704
1997 GR_{37}	1997 04 11.23700	13 11 20.02	−07 05 25.2			704
1997 GS_{37}	1997 04 11.19265	13 10 13.62	−07 54 34.0	18.7		704
1997 GS_{37}	1997 04 11.23528	13 10 10.81	−07 54 29.0			704
1997 GT_{37}	1997 04 11.18009	13 11 52.29	−07 19 08.4	18.9		704
1997 GT_{37}	1997 04 11.18024	13 11 52.33	−07 19 06.6	18.8		704
1997 GT_{37}	1997 04 11.23685	13 11 48.94	−07 18 46.3			704
1997 GT_{37}	1997 04 11.23700	13 11 49.05	−07 18 45.6			704
1997 GU_{37}	1997 04 11.18024	13 12 07.78	−07 03 39.2	19.1		704
1997 GU_{37}	1997 04 11.23700	13 12 04.66	−07 03 23.6			704
1997 GV_{37}	1997 04 11.18024	13 11 32.86	−06 46 07.9	18.6		704
1997 GV_{37}	1997 04 11.23700	13 11 29.53	−06 45 55.4			704
1997 GW_{37}	1997 04 11.19659	13 13 40.02	−06 11 49.5	19.7		704
1997 GW_{37}	1997 04 11.23921	13 13 38.08	−06 11 36.3			704
1997 GX_{37}	1997 04 11.18244	13 14 14.78	−06 17 42.6	19.4		704
1997 GX_{37}	1997 04 11.23921	13 14 12.13	−06 17 29.8			704
1997 GY_{37}	1997 04 11.18166	13 15 00.62	−03 31 48.2	19.5		704
1997 GY_{37}	1997 04 11.23842	13 14 57.77	−03 31 11.7			704
1997 GZ_{37}	1997 04 11.19612	13 14 46.93	−04 19 03.4	18.8		704
1997 GZ_{37}	1997 04 11.23874	13 14 44.67	−04 18 42.3			704
1997 GA_{38}	1997 04 11.18197	13 14 58.12	−04 40 46.7	18.8		704
1997 GA_{38}	1997 04 11.23874	13 14 55.01	−04 40 21.7			704
1997 GC_{38}	* 1997 04 06.33189	15 07 53.12	−13 05 05.3	19.6		704
1997 GC_{38}	1997 04 06.42648	15 07 49.88	−13 04 34.7			704
1997 GC_{38}	1997 04 11.35225	15 04 51.51	−12 34 50.1	19.8		704
1997 GC_{38}	1997 04 11.41018	15 04 49.06	−12 34 28.3			704
1997 GC_{38}	1997 04 30.22277	14 48 58.36	−10 26 50.2	18.8		704
1997 GC_{38}	1997 04 30.24507	14 48 57.01	−10 26 40.4	19.4		704
1997 GC_{38}	1997 04 30.26764	14 48 55.69	−10 26 31.2	19.1		704
1997 GC_{38}	1997 04 30.29009	14 48 54.41	−10 26 22.4	19.6		704
1997 GC_{38}	1997 04 30.31292	14 48 52.96	−10 26 12.7	19.1		704
1997 GD_{38}	* 1997 04 06.33204	15 07 15.40	−12 36 32.8	20.0		704
1997 GD_{38}	1997 04 06.42664	15 07 11.49	−12 36 29.2			704
1997 GD_{38}	1997 04 11.35098	15 03 40.37	−12 30 08.1	19.6		704
1997 GD_{38}	1997 04 11.35225	15 03 40.24	−12 30 07.2	19.8		704
1997 GD_{38}	1997 04 11.40907	15 03 37.51	−12 30 02.7			704
1997 GD_{38}	1997 04 11.41018	15 03 37.50	−12 30 01.8			704
1997 GD_{38}	1997 04 30.22229	14 45 37.16	−11 57 28.5	18.9		704
1997 GD_{38}	1997 04 30.24459	14 45 35.70	−11 57 25.7	19.3		704
1997 GD_{38}	1997 04 30.26716	14 45 34.19	−11 57 23.9	19.3		704
1997 GD_{38}	1997 04 30.31214	14 45 31.12	−11 57 19.0	19.4		704
1997 GE_{38}	* 1997 04 11.35098	15 01 42.12	−12 34 16.1	19.7		704
1997 GE_{38}	1997 04 11.40907	15 01 39.55	−12 34 00.4			704
1997 GE_{38}	1997 04 30.22262	14 45 27.70	−10 57 12.3	19.3		704
1997 GE_{38}	1997 04 30.24491	14 45 26.42	−10 57 05.6	19.9		704
1997 GE_{38}	1997 04 30.26748	14 45 25.00	−10 56 58.7	19.2		704
1997 GE_{38}	1997 04 30.28993	14 45 23.60	−10 56 51.8	20.3		704
1997 GE_{38}	1997 04 30.31276	14 45 22.37	−10 56 44.8	19.4		704
1997 GG_{38}	* 1997 04 02.41306	14 49 50.17	−10 46 39.3	19.1		704
1997 GG_{38}	1997 04 02.45473	14 49 49.01	−10 46 26.4			704
1997 HU_{1}	1997 04 03.27773	12 49 54.03	−05 39 36.7	19.9		704
1997 HU_{1}	1997 04 03.39205	12 49 47.69	−05 38 59.6			704
1997 HF_{3}	* 1997 04 30.20529	14 27 47.26	−15 24 05.0	19.6		704
1997 HF_{3}	1997 04 30.24997	14 27 42.33	−15 24 30.3	19.3		704
1997 HF_{3}	1997 04 30.27245	14 27 39.85	−15 24 43.0	19.2		704
1997 HF_{3}	1997 04 30.29507	14 27 37.18	−15 24 54.7	20.0		704
1997 HF_{3}	1997 05 01.20871	14 25 59.43	−15 33 36.3	19.1		704
1997 HF_{3}	1997 05 01.23105	14 25 56.90	−15 33 49.2	19.5		704
1997 HF_{3}	1997 05 01.25351	14 25 54.43	−15 34 02.2	19.6		704
1997 HF_{3}	1997 05 01.27593	14 25 51.92	−15 34 13.7	19.3		704
1997 HG_{3}	* 1997 04 30.20831	14 32 16.13	−10 21 35.8			704
1997 HG_{3}	1997 04 30.23061	14 32 13.74	−10 21 51.0	18.5		704
1997 HG_{3}	1997 04 30.25302	14 32 11.31	−10 22 05.9			704
1997 HG_{3}	1997 04 30.27550	14 32 08.90	−10 22 21.7	18.4		704
1997 HG_{3}	1997 05 01.21442	14 30 31.10	−10 33 07.3			704
1997 HG_{3}	1997 05 01.23681	14 30 28.70	−10 33 22.3			704
1997 HG_{3}	1997 05 01.25928	14 30 26.26	−10 33 38.1	18.6		704
1997 HG_{3}	1997 05 01.28171	14 30 23.83	−10 33 53.4	18.6		704
1997 HG_{3}	1997 05 01.30425	14 30 21.37	−10 34 09.0			704
1997 HH_{3}	* 1997 04 30.21864	14 42 43.91	−11 49 23.1	18.0		704
1997 HH_{3}	1997 04 30.24092	14 42 41.63	−11 49 36.3	17.9		704
1997 HH_{3}	1997 04 30.26350	14 42 39.30	−11 49 49.3			704
1997 HH_{3}	1997 04 30.28590	14 42 36.97	−11 50 02.5	18.4		704
1997 HH_{3}	1997 05 05.33445	14 34 08.91	−12 38 44.6			704
1997 HH_{3}	1997 05 05.35181	14 34 07.12	−12 38 54.5	18.9		704
1997 HH_{3}	1997 05 05.36917	14 34 05.28	−12 39 04.7	18.8		704
1997 HH_{3}	1997 05 05.38654	14 34 03.50	−12 39 14.6	18.8		704

1997 HH_3		1997 05 05.40389	14 34 01.72	−12 39 24.5	18.6	704
1997 HD_4	*	1997 04 28.15304	10 23 57.46	+02 30 47.4	19.6	704
1997 HD_4		1997 04 28.18732	10 23 58.52	+02 30 51.3	19.7	704
1997 HD_4		1997 04 28.22163	10 23 59.59	+02 30 53.6	19.6	704
1997 HD_4		1997 04 28.25633	10 24 00.59	+02 30 56.8	19.9	704
1997 HD_4		1997 04 29.14185	10 24 29.02	+02 32 04.0	19.1	704
1997 HD_4		1997 04 29.17039	10 24 30.07	+02 32 08.1	19.2	704
1997 HD_4		1997 04 29.19886	10 24 30.83	+02 32 10.7	19.8	704
1997 HD_4		1997 04 29.22759	10 24 31.83	+02 32 10.3	19.2	704
1997 HD_4		1997 04 29.25602	10 24 32.64	+02 32 13.6	19.3	704
1997 HE_4	*	1997 04 28.15345	10 22 52.99	+03 51 17.2	19.1	704
1997 HE_4		1997 04 28.18774	10 22 53.47	+03 51 22.0	19.1	704
1997 HE_4		1997 04 28.22201	10 22 53.92	+03 51 29.0	19.1	704
1997 HE_4		1997 04 28.25673	10 22 54.39	+03 51 35.2	19.0	704
1997 HE_4		1997 04 29.14217	10 23 08.79	+03 54 04.0	18.6	704
1997 HE_4		1997 04 29.17071	10 23 09.23	+03 54 07.6	18.6	704
1997 HE_4		1997 04 29.19918	10 23 09.67	+03 54 12.4	18.6	704
1997 HE_4		1997 04 29.22790	10 23 10.09	+03 54 16.7	19.0	704
1997 HE_4		1997 04 29.25634	10 23 10.50	+03 54 21.6	19.0	704
1997 HF_4	*	1997 04 28.15405	10 23 47.45	+05 49 33.3	19.0	704
1997 HF_4		1997 04 28.18830	10 23 48.53	+05 49 36.5	20.0	704
1997 HF_4		1997 04 28.22257	10 23 49.67	+05 49 37.1	19.4	704
1997 HF_4		1997 04 28.25731	10 23 50.71	+05 49 39.1	19.3	704
1997 HF_4		1997 04 28.29246	10 23 51.62	+05 49 39.6	20.2	704
1997 HF_4		1997 04 29.14264	10 24 21.24	+05 50 18.1	19.3	704
1997 HF_4		1997 04 29.17119	10 24 22.24	+05 50 18.3	19.5	704
1997 HF_4		1997 04 29.19965	10 24 23.09	+05 50 19.9	20.0	704
1997 HF_4		1997 04 29.22837	10 24 23.99	+05 50 21.2	20.1	704
1997 HF_4		1997 04 29.25682	10 24 24.98	+05 50 21.6	19.3	704
1997 HG_4	*	1997 04 28.15460	10 23 03.81	+07 54 18.0	19.0	704
1997 HG_4		1997 04 28.18887	10 23 04.19	+07 54 23.8	19.5	704
1997 HG_4		1997 04 28.22314	10 23 04.44	+07 54 28.9	19.0	704
1997 HG_4		1997 04 28.25789	10 23 04.80	+07 54 35.4	19.5	704
1997 HG_4		1997 04 28.29304	10 23 05.03	+07 54 41.2	19.9	704
1997 HG_4		1997 04 29.14329	10 23 14.78	+07 57 02.7	19.9	704
1997 HG_4		1997 04 29.17182	10 23 15.15	+07 57 08.7	19.5	704
1997 HG_4		1997 04 29.20030	10 23 15.41	+07 57 13.1	19.5	704
1997 HG_4		1997 04 29.25745	10 23 15.89	+07 57 22.0	19.9	704
1997 HH_4	*	1997 04 28.15479	10 22 44.18	+08 06 07.2	19.4	704
1997 HH_4		1997 04 28.18905	10 22 44.78	+08 06 06.0	20.2	704
1997 HH_4		1997 04 28.22332	10 22 45.33	+08 06 03.9	19.9	704
1997 HH_4		1997 04 28.25807	10 22 45.91	+08 06 03.4	19.5	704
1997 HH_4		1997 04 28.29325	10 22 46.60	+08 06 01.0	20.0	704
1997 HH_4		1997 04 29.14329	10 23 02.78	+08 05 12.0	19.5	704
1997 HH_4		1997 04 29.17182	10 23 03.29	+08 05 10.5	19.0	704
1997 HH_4		1997 04 29.20030	10 23 03.83	+08 05 09.0	19.1	704
1997 HH_4		1997 04 29.25745	10 23 04.81	+08 05 05.4	19.5	704
1997 HJ_4	*	1997 04 28.15479	10 23 05.01	+08 19 52.5	19.4	704
1997 HJ_4		1997 04 28.18905	10 23 05.47	+08 19 55.9	19.4	704
1997 HJ_4		1997 04 28.22332	10 23 05.94	+08 19 59.2	18.8	704
1997 HJ_4		1997 04 28.25807	10 23 06.42	+08 20 02.5	18.8	704
1997 HJ_4		1997 04 28.29325	10 23 06.97	+08 20 05.3	19.3	704
1997 HJ_4		1997 04 29.14329	10 23 20.57	+08 21 19.2	18.9	704
1997 HJ_4		1997 04 29.17182	10 23 20.99	+08 21 21.0	18.7	704
1997 HJ_4		1997 04 29.20030	10 23 21.44	+08 21 24.2	18.6	704
1997 HJ_4		1997 04 29.25745	10 23 22.31	+08 21 28.3	18.8	704
1997 HK_4	*	1997 04 28.15499	10 23 23.73	+08 54 22.5	19.6	704
1997 HK_4		1997 04 28.18923	10 23 24.08	+08 54 20.5	19.6	704
1997 HK_4		1997 04 28.22353	10 23 24.34	+08 54 20.1	19.9	704
1997 HK_4		1997 04 28.25826	10 23 24.64	+08 54 17.8	19.6	704
1997 HK_4		1997 04 29.14345	10 23 34.64	+08 53 43.1	19.2	704
1997 HK_4		1997 04 29.17199	10 23 34.91	+08 53 42.7	18.7	704
1997 HK_4		1997 04 29.20046	10 23 35.25	+08 53 41.7	18.7	704
1997 HK_4		1997 04 29.25761	10 23 35.84	+08 53 37.9	19.1	704
1997 HL_4	*	1997 04 28.15517	10 23 37.27	+09 31 30.4	19.3	704
1997 HL_4		1997 04 28.18941	10 23 37.53	+09 31 28.7	19.3	704
1997 HL_4		1997 04 28.22372	10 23 37.98	+09 31 22.4	19.9	704
1997 HL_4		1997 04 28.25848	10 23 38.28	+09 31 19.6	19.6	704
1997 HL_4		1997 04 28.29366	10 23 38.53	+09 31 15.0	19.6	704
1997 HL_4		1997 04 29.14361	10 23 49.91	+09 29 37.3	19.6	704
1997 HL_4		1997 04 29.17215	10 23 50.38	+09 29 34.3	18.8	704
1997 HL_4		1997 04 29.20063	10 23 50.70	+09 29 30.8	18.8	704
1997 HL_4		1997 04 29.25776	10 23 51.41	+09 29 24.1	19.6	704
1997 HM_4	*	1997 04 28.15536	10 23 58.16	+10 00 42.5	19.1	704
1997 HM_4		1997 04 28.18959	10 23 58.18	+10 00 35.0	19.6	704
1997 HM_4		1997 04 28.22391	10 23 58.23	+10 00 27.2	19.4	704
1997 HM_4		1997 04 28.25866	10 23 58.25	+10 00 19.4	19.1	704
1997 HM_4		1997 04 28.29385	10 23 58.13	+10 00 10.1	20.4	704
1997 HM_4		1997 04 29.14377	10 24 01.13	+09 56 56.6	18.9	704
1997 HM_4		1997 04 29.17231	10 24 01.18	+09 56 49.9	18.9	704
1997 HM_4		1997 04 29.20078	10 24 01.29	+09 56 43.1	19.2	704
1997 HM_4		1997 04 29.22961	10 24 01.29	+09 56 36.4	19.0	704
1997 HM_4		1997 04 29.25792	10 24 01.37	+09 56 29.7	19.0	704
1997 HN_4	*	1997 04 28.15572	10 23 35.04	+11 26 33.7	19.8	704
1997 HN_4		1997 04 28.18997	10 23 35.81	+11 26 33.5	20.8	704
1997 HN_4		1997 04 28.22428	10 23 36.66	+11 26 34.4	20.2	704
1997 HN_4		1997 04 28.25902	10 23 37.48	+11 26 34.2	20.4	704
1997 HN_4		1997 04 29.17263	10 24 01.02	+11 25 54.4	18.8	704
1997 HN_4		1997 04 29.20109	10 24 01.37	+11 25 54.3	18.8	704
1997 HN_4		1997 04 29.22992	10 24 01.62	+11 25 54.4	18.5	704
1997 HN_4		1997 04 29.25824	10 24 01.89	+11 25 54.0	18.5	704
1997 HO_4	*	1997 04 28.15684	10 26 24.22	+08 08 56.8	19.0	704
1997 HO_4		1997 04 28.19111	10 26 24.55	+08 08 51.0	19.3	704
1997 HO_4		1997 04 28.22552	10 26 25.06	+08 08 45.9	19.4	704
1997 HO_4		1997 04 28.26018	10 26 25.46	+08 08 39.7	19.9	704
1997 HO_4		1997 04 29.14506	10 26 39.31	+08 06 20.2	19.5	704
1997 HO_4		1997 04 29.17358	10 26 39.79	+08 06 16.4	19.4	704
1997 HO_4		1997 04 29.20205	10 26 40.17	+08 06 11.7	19.4	704
1997 HO_4		1997 04 29.23086	10 26 40.62	+08 06 06.0	19.4	704
1997 HO_4		1997 04 29.25918	10 26 41.01	+08 06 01.3	19.6	704
1997 HP_4	*	1997 04 28.15723	10 24 53.43	+07 12 15.9	18.6	704
1997 HP_4		1997 04 28.19150	10 24 54.34	+07 12 01.0	19.9	704
1997 HP_4		1997 04 28.22592	10 24 55.38	+07 11 43.8	19.2	704
1997 HP_4		1997 04 28.26055	10 24 56.33	+07 11 27.7	19.0	704

1997 HP_4	1997 04 29.14538	10 25 23.94	+07 04 24.2	18.9		704
1997 HP_4	1997 04 29.17390	10 25 24.81	+07 04 10.0	18.8		704
1997 HP_4	1997 04 29.20237	10 25 25.64	+07 03 56.3	19.2		704
1997 HP_4	1997 04 29.25950	10 25 27.34	+07 03 28.7	18.7		704
1997 HQ_4	* 1997 04 28.15723	10 25 13.31	+07 08 00.0	19.7		704
1997 HQ_4	1997 04 28.19150	10 25 13.87	+07 07 56.9	20.2		704
1997 HQ_4	1997 04 28.22592	10 25 14.66	+07 07 57.0	19.5		704
1997 HQ_4	1997 04 28.26055	10 25 15.24	+07 07 55.8	20.2		704
1997 HQ_4	1997 04 29.14538	10 25 36.42	+07 07 26.3	19.3		704
1997 HQ_4	1997 04 29.17390	10 25 37.04	+07 07 24.7	18.8		704
1997 HQ_4	1997 04 29.20237	10 25 37.64	+07 07 24.6	19.2		704
1997 HQ_4	1997 04 29.25950	10 25 38.85	+07 07 22.0	19.4		704
1997 HR_4	* 1997 04 28.16100	10 28 59.24	+11 22 28.4	18.9		704
1997 HR_4	1997 04 28.19538	10 28 59.72	+11 22 23.9	18.9		704
1997 HR_4	1997 04 28.22982	10 29 00.15	+11 22 21.0	19.7		704
1997 HR_4	1997 04 28.26444	10 29 00.63	+11 22 15.3	19.8		704
1997 HR_4	1997 04 28.29966	10 29 00.98	+11 22 10.6	19.8		704
1997 HR_4	1997 04 29.14855	10 29 15.12	+11 20 28.1	19.2		704
1997 HR_4	1997 04 29.17709	10 29 15.55	+11 20 24.0	19.2		704
1997 HR_4	1997 04 29.20557	10 29 16.00	+11 20 20.8	19.4		704
1997 HR_4	1997 04 29.26266	10 29 16.86	+11 20 12.5	19.7		704
1997 HS_4	* 1997 04 28.16120	10 30 40.66	+11 36 36.2	19.4		704
1997 HS_4	1997 04 28.19557	10 30 41.14	+11 36 36.1	19.4		704
1997 HS_4	1997 04 28.23000	10 30 41.76	+11 36 35.9	19.8		704
1997 HS_4	1997 04 28.26462	10 30 42.24	+11 36 35.7	19.8		704
1997 HS_4	1997 04 29.14872	10 30 59.00	+11 36 29.1	19.1		704
1997 HS_4	1997 04 29.17725	10 30 59.49	+11 36 29.1	19.1		704
1997 HS_4	1997 04 29.20572	10 30 59.99	+11 36 29.0	19.7		704
1997 HS_4	1997 04 29.26282	10 31 00.87	+11 36 27.7	20.7		704
1997 HT_4	* 1997 04 28.16120	10 31 51.01	+11 27 48.5	20.0		704
1997 HT_4	1997 04 28.19557	10 31 51.13	+11 27 39.8	20.1		704
1997 HT_4	1997 04 28.23000	10 31 51.15	+11 27 34.8	20.1		704
1997 HT_4	1997 04 28.26462	10 31 51.33	+11 27 28.5	20.3		704
1997 HT_4	1997 04 29.14872	10 31 55.74	+11 24 58.7	20.1		704
1997 HT_4	1997 04 29.17725	10 31 55.79	+11 24 55.8	20.1		704
1997 HT_4	1997 04 29.20572	10 31 55.88	+11 24 49.2	20.3		704
1997 HT_4	1997 04 29.26282	10 31 56.00	+11 24 39.4	20.3		704
1997 HU_4	* 1997 04 28.16197	10 32 05.53	+08 56 59.1	19.7		704
1997 HU_4	1997 04 28.19632	10 32 05.52	+08 56 53.9	19.5		704
1997 HU_4	1997 04 28.23078	10 32 05.60	+08 56 48.9	19.5		704
1997 HU_4	1997 04 28.26540	10 32 05.59	+08 56 42.4	20.0		704
1997 HU_4	1997 04 29.14935	10 32 08.10	+08 54 23.8	19.5		704
1997 HU_4	1997 04 29.17789	10 32 08.14	+08 54 21.1	19.5		704
1997 HU_4	1997 04 29.20637	10 32 08.26	+08 54 16.5	19.5		704
1997 HU_4	1997 04 29.26345	10 32 08.38	+08 54 07.4	19.6		704
1997 HV_4	* 1997 04 28.16289	10 31 10.91	+05 46 21.8	19.2		704
1997 HV_4	1997 04 28.19727	10 31 11.31	+05 46 18.9	19.2		704
1997 HV_4	1997 04 28.23171	10 31 11.62	+05 46 16.6	19.5		704
1997 HV_4	1997 04 28.26634	10 31 12.01	+05 46 14.2	19.5		704
1997 HV_4	1997 04 29.15016	10 31 23.99	+05 45 15.4	19.5		704
1997 HV_4	1997 04 29.17868	10 31 24.37	+05 45 12.6	19.3		704
1997 HV_4	1997 04 29.20718	10 31 24.69	+05 45 10.4	19.3		704
1997 HV_4	1997 04 29.26424	10 31 25.43	+05 45 05.9	19.8		704
1997 HW_4	* 1997 04 28.16425	10 33 29.15	+04 28 45.2			704
1997 HW_4	1997 04 28.19857	10 33 29.82	+04 28 56.3	18.7		704
1997 HW_4	1997 04 28.23304	10 33 30.52	+04 29 07.4			704
1997 HW_4	1997 04 28.26772	10 33 31.25	+04 29 18.8	18.6		704
1997 HW_4	1997 04 28.30296	10 33 31.91	+04 29 30.5	19.6		704
1997 HW_4	1997 04 29.15125	10 33 51.56	+04 34 02.8			704
1997 HW_4	1997 04 29.17978	10 33 52.18	+04 34 11.7			704
1997 HW_4	1997 04 29.20829	10 33 52.80	+04 34 20.7			704
1997 HW_4	1997 04 29.26534	10 33 54.04	+04 34 38.1	18.3		704
1997 HX_4	* 1997 04 28.16443	10 33 24.65	+05 22 29.3			704
1997 HX_4	1997 04 28.19876	10 33 25.25	+05 22 29.6	19.1		704
1997 HX_4	1997 04 28.23323	10 33 25.87	+05 22 29.5	18.5		704
1997 HX_4	1997 04 28.26791	10 33 26.52	+05 22 30.5	19.3		704
1997 HX_4	1997 04 28.30316	10 33 27.09	+05 22 30.5	19.6		704
1997 HX_4	1997 04 29.15141	10 33 45.13	+05 22 35.5	18.3		704
1997 HX_4	1997 04 29.17994	10 33 45.68	+05 22 35.4	18.3		704
1997 HX_4	1997 04 29.20845	10 33 46.24	+05 22 35.2	18.7		704
1997 HX_4	1997 04 29.23711	10 33 46.82	+05 22 35.0	19.7		704
1997 HX_4	1997 04 29.26550	10 33 47.38	+05 22 34.7	19.2		704
1997 HY_4	* 1997 04 28.16443	10 33 47.26	+05 19 10.2	18.4		704
1997 HY_4	1997 04 28.19876	10 33 48.36	+05 19 03.5	19.5		704
1997 HY_4	1997 04 28.23323	10 33 49.57	+05 18 57.0	18.8		704
1997 HY_4	1997 04 28.26791	10 33 50.77	+05 18 49.2	20.0		704
1997 HY_4	1997 04 28.30316	10 33 51.86	+05 18 44.4	20.3		704
1997 HY_4	1997 04 29.15141	10 34 23.47	+05 15 55.5	18.7		704
1997 HY_4	1997 04 29.17994	10 34 24.50	+05 15 49.2	19.2		704
1997 HY_4	1997 04 29.20845	10 34 25.51	+05 15 43.5	19.3		704
1997 HY_4	1997 04 29.23711	10 34 26.42	+05 15 37.5	20.0		704
1997 HY_4	1997 04 29.26550	10 34 27.47	+05 15 31.3	19.3		704
1997 HZ_4	* 1997 04 28.16461	10 32 54.86	+05 30 11.9	19.1		704
1997 HZ_4	1997 04 28.19895	10 32 55.22	+05 30 08.1	19.1		704
1997 HZ_4	1997 04 28.23342	10 32 55.58	+05 30 02.6	19.2		704
1997 HZ_4	1997 04 28.26810	10 32 55.87	+05 29 57.4	19.2		704
1997 HZ_4	1997 04 29.15156	10 33 07.34	+05 27 54.0	19.4		704
1997 HZ_4	1997 04 29.18010	10 33 07.61	+05 27 50.0	19.4		704
1997 HZ_4	1997 04 29.20861	10 33 07.99	+05 27 45.5	19.6		704
1997 HZ_4	1997 04 29.23727	10 33 08.27	+05 27 42.8	19.6		704
1997 HZ_4	1997 04 29.26565	10 33 08.62	+05 27 37.7	19.7		704
1997 HA_5	* 1997 04 28.16480	10 34 21.09	+06 37 56.9	19.3		704
1997 HA_5	1997 04 28.19913	10 34 20.74	+06 37 53.5	19.9		704
1997 HA_5	1997 04 28.23360	10 34 20.48	+06 37 50.3	19.9		704
1997 HA_5	1997 04 28.26829	10 34 20.17	+06 37 45.9	20.0		704
1997 HA_5	1997 04 29.15173	10 34 14.49	+06 36 23.8	19.4		704
1997 HA_5	1997 04 29.18026	10 34 14.26	+06 36 19.6	19.4		704
1997 HA_5	1997 04 29.20877	10 34 14.09	+06 36 17.1	19.4		704
1997 HA_5	1997 04 29.26581	10 34 13.59	+06 36 12.6	19.8		704
1997 HB_5	* 1997 04 28.16519	10 32 27.25	+07 53 35.5			704
1997 HB_5	1997 04 28.19951	10 32 29.52	+07 53 53.4	18.8		704
1997 HB_5	1997 04 28.23399	10 32 31.78	+07 54 11.5	18.4		704
1997 HB_5	1997 04 28.26866	10 32 34.13	+07 54 30.1	19.2		704
1997 HB_5	1997 04 28.30396	10 32 36.33	+07 54 49.0	20.2		704

1997 HB_5		1997 04 29.15221	10 33 35.60	+08 02 09.7	18.6	704
1997 HB_5		1997 04 29.18072	10 33 37.53	+08 02 23.9	19.2	704
1997 HB_5		1997 04 29.20925	10 33 39.42	+08 02 38.2	18.7	704
1997 HB_5		1997 04 29.23792	10 33 41.33	+08 02 53.3	20.1	704
1997 HB_5		1997 04 29.26630	10 33 43.25	+08 03 07.2	19.3	704
1997 HC_5	*	1997 04 28.16537	10 33 05.47	+08 07 55.2	19.0	704
1997 HC_5		1997 04 28.19971	10 33 05.80	+08 07 46.0	19.6	704
1997 HC_5		1997 04 28.23419	10 33 06.18	+08 07 36.9	19.9	704
1997 HC_5		1997 04 28.26887	10 33 06.46	+08 07 29.6	20.3	704
1997 HC_5		1997 04 29.15221	10 33 17.08	+08 03 42.9	19.4	704
1997 HC_5		1997 04 29.18072	10 33 17.36	+08 03 35.9	20.0	704
1997 HC_5		1997 04 29.20925	10 33 17.74	+08 03 28.3	19.8	704
1997 HC_5		1997 04 29.26630	10 33 18.32	+08 03 13.1	19.9	704
1997 HD_5	*	1997 04 28.16593	10 34 21.87	+10 13 10.6	20.0	704
1997 HD_5		1997 04 28.20032	10 34 22.11	+10 13 15.2	20.0	704
1997 HD_5		1997 04 28.23475	10 34 22.32	+10 13 17.6	19.8	704
1997 HD_5		1997 04 28.26945	10 34 22.55	+10 13 21.3	19.8	704
1997 HD_5		1997 04 29.15270	10 34 29.81	+10 14 45.6	19.9	704
1997 HD_5		1997 04 29.18120	10 34 30.09	+10 14 48.1	19.9	704
1997 HD_5		1997 04 29.20974	10 34 30.27	+10 14 50.7	19.9	704
1997 HD_5		1997 04 29.26678	10 34 30.59	+10 14 56.7	20.1	704
1997 HE_5	*	1997 04 28.16614	10 33 23.03	+11 00 32.3	19.9	704
1997 HE_5		1997 04 28.20049	10 33 23.33	+11 00 26.0	20.5	704
1997 HE_5		1997 04 28.23493	10 33 23.63	+11 00 20.9	20.2	704
1997 HE_5		1997 04 28.26965	10 33 24.01	+11 00 16.3	20.2	704
1997 HE_5		1997 04 29.15286	10 33 34.46	+10 58 11.6	20.0	704
1997 HE_5		1997 04 29.18135	10 33 34.62	+10 58 06.9	20.0	704
1997 HE_5		1997 04 29.20990	10 33 35.07	+10 58 02.4	19.9	704
1997 HE_5		1997 04 29.26695	10 33 35.44	+10 57 54.4	20.7	704
1997 HF_5	*	1997 04 28.16670	10 35 44.61	+10 56 26.4	19.6	704
1997 HF_5		1997 04 28.20106	10 35 44.60	+10 56 18.3	20.4	704
1997 HF_5		1997 04 28.23550	10 35 44.61	+10 56 10.1	20.0	704
1997 HF_5		1997 04 28.27020	10 35 44.71	+10 56 01.7	20.4	704
1997 HF_5		1997 04 28.30548	10 35 44.69	+10 55 51.9	20.5	704
1997 HF_5		1997 04 29.15333	10 35 46.94	+10 52 32.9	19.6	704
1997 HF_5		1997 04 29.18182	10 35 46.96	+10 52 27.0	19.6	704
1997 HF_5		1997 04 29.21037	10 35 46.98	+10 52 19.1	19.4	704
1997 HF_5		1997 04 29.26742	10 35 46.98	+10 52 06.2	20.6	704
1997 HG_5	*	1997 04 28.16670	10 36 15.55	+10 54 42.7	18.7	704
1997 HG_5		1997 04 28.20106	10 36 16.66	+10 54 28.2	19.7	704
1997 HG_5		1997 04 28.23550	10 36 17.79	+10 54 12.7	19.2	704
1997 HG_5		1997 04 28.27020	10 36 18.88	+10 53 56.6	19.6	704
1997 HG_5		1997 04 28.30548	10 36 19.99	+10 53 41.2	20.5	704
1997 HG_5		1997 04 29.15333	10 36 50.70	+10 47 19.9	19.4	704
1997 HG_5		1997 04 29.18182	10 36 51.64	+10 47 07.0	19.7	704
1997 HG_5		1997 04 29.21037	10 36 52.63	+10 46 54.1	19.4	704
1997 HG_5		1997 04 29.26742	10 36 54.57	+10 46 27.4	20.0	704
1997 HH_5	*	1997 04 28.16764	10 36 06.19	+07 38 42.6	19.2	704
1997 HH_5		1997 04 28.20198	10 36 06.25	+07 38 46.8	19.2	704
1997 HH_5		1997 04 28.23645	10 36 06.31	+07 38 51.7	19.5	704
1997 HH_5		1997 04 28.27119	10 36 06.37	+07 38 58.4	19.6	704
1997 HH_5		1997 04 28.30645	10 36 06.30	+07 39 01.8	19.6	704
1997 HH_5		1997 04 29.15412	10 36 10.32	+07 41 06.2	19.1	704
1997 HH_5		1997 04 29.18260	10 36 10.41	+07 41 09.7	19.1	704
1997 HH_5		1997 04 29.21118	10 36 10.55	+07 41 14.0	19.2	704
1997 HH_5		1997 04 29.23979	10 36 10.61	+07 41 18.1	19.2	704
1997 HH_5		1997 04 29.26823	10 36 10.67	+07 41 23.7	20.4	704
1997 HJ_5	*	1997 04 28.16784	10 35 45.84	+06 51 59.8		704
1997 HJ_5		1997 04 28.20217	10 35 46.86	+06 52 39.3	18.5	704
1997 HJ_5		1997 04 28.23665	10 35 47.93	+06 53 18.2	18.4	704
1997 HJ_5		1997 04 28.27138	10 35 49.03	+06 53 57.7	18.4	704
1997 HJ_5		1997 04 28.30665	10 35 50.12	+06 54 38.3	19.8	704
1997 HJ_5		1997 04 29.15427	10 36 18.63	+07 10 27.0		704
1997 HJ_5		1997 04 29.18276	10 36 19.54	+07 10 58.3		704
1997 HJ_5		1997 04 29.21134	10 36 20.46	+07 11 30.2		704
1997 HJ_5		1997 04 29.23995	10 36 21.39	+07 12 01.5	18.6	704
1997 HK_5	*	1997 04 28.16823	10 35 54.36	+05 55 03.5	19.0	704
1997 HK_5		1997 04 28.20254	10 35 55.12	+05 55 05.4	19.8	704
1997 HK_5		1997 04 28.23702	10 35 55.99	+05 55 05.2	19.9	704
1997 HK_5		1997 04 28.27180	10 35 56.81	+05 55 06.9	20.2	704
1997 HK_5		1997 04 29.15458	10 36 19.68	+05 55 27.1	19.8	704
1997 HK_5		1997 04 29.18307	10 36 20.46	+05 55 27.6	20.0	704
1997 HK_5		1997 04 29.21167	10 36 21.15	+05 55 27.4	19.4	704
1997 HK_5		1997 04 29.24026	10 36 21.90	+05 55 26.1	20.1	704
1997 HL_5	*	1997 04 28.16882	10 35 24.89	+04 01 35.2	18.7	704
1997 HL_5		1997 04 28.20310	10 35 25.73	+04 01 44.5	20.0	704
1997 HL_5		1997 04 28.23757	10 35 26.53	+04 01 53.3	20.2	704
1997 HL_5		1997 04 28.27238	10 35 27.43	+04 02 04.0	20.2	704
1997 HL_5		1997 04 28.30759	10 35 28.05	+04 02 12.8	20.5	704
1997 HL_5		1997 04 29.15506	10 35 50.97	+04 05 52.7	19.2	704
1997 HL_5		1997 04 29.18354	10 35 51.63	+04 05 59.3	19.9	704
1997 HL_5		1997 04 29.21215	10 35 52.39	+04 06 07.2	20.1	704
1997 HL_5		1997 04 29.24073	10 35 53.11	+04 06 13.6	20.0	704
1997 HL_5		1997 04 29.26919	10 35 53.79	+04 06 19.8	20.2	704
1997 HM_5	*	1997 04 28.16959	10 30 49.79	+02 20 50.9	18.6	704
1997 HM_5		1997 04 28.20386	10 30 50.70	+02 20 51.6	19.3	704
1997 HM_5		1997 04 28.23835	10 30 51.55	+02 20 55.0	19.0	704
1997 HM_5		1997 04 28.27313	10 30 52.46	+02 20 57.2	19.7	704
1997 HM_5		1997 04 28.30843	10 30 53.41	+02 20 59.9	19.6	704
1997 HM_5		1997 04 29.15569	10 31 17.96	+02 21 46.4	18.7	704
1997 HM_5		1997 04 29.18417	10 31 18.72	+02 21 46.8	19.0	704
1997 HM_5		1997 04 29.21278	10 31 19.52	+02 21 46.9	19.5	704
1997 HM_5		1997 04 29.24135	10 31 20.23	+02 21 50.0	19.4	704
1997 HN_5	*	1997 04 28.17018	10 38 28.37	+02 35 26.7	19.4	704
1997 HN_5		1997 04 28.20445	10 38 29.16	+02 35 28.6	20.1	704
1997 HN_5		1997 04 28.23890	10 38 30.02	+02 35 28.7	20.0	704
1997 HN_5		1997 04 28.27375	10 38 30.74	+02 35 29.9	20.2	704
1997 HN_5		1997 04 28.30903	10 38 31.45	+02 35 31.2	20.6	704
1997 HN_5		1997 04 29.15617	10 38 53.99	+02 35 53.5	19.2	704
1997 HN_5		1997 04 29.18465	10 38 54.78	+02 35 53.7	19.9	704
1997 HN_5		1997 04 29.21327	10 38 55.41	+02 35 55.0	19.4	704
1997 HN_5		1997 04 29.24183	10 38 56.15	+02 35 54.5	19.6	704
1997 HO_5	*	1997 04 28.17037	10 39 10.80	+03 05 43.5	19.1	704
1997 HO_5		1997 04 28.20466	10 39 11.23	+03 05 45.3	19.1	704

1997 HO_5		1997 04 28.23909	10 39 11.68	+03 05 45.2	19.6	704
1997 HO_5		1997 04 28.27393	10 39 12.14	+03 05 47.3	19.6	704
1997 HO_5		1997 04 29.15633	10 39 25.98	+03 06 22.5	19.8	704
1997 HO_5		1997 04 29.18481	10 39 26.43	+03 06 23.3	19.8	704
1997 HO_5		1997 04 29.21343	10 39 26.76	+03 06 25.6	20.2	704
1997 HO_5		1997 04 29.24199	10 39 27.22	+03 06 26.6	20.1	704
1997 HP_5	*	1997 04 28.17074	10 38 40.16	+04 43 25.4	19.4	704
1997 HP_5		1997 04 28.20503	10 38 39.92	+04 43 21.9	19.1	704
1997 HP_5		1997 04 28.23947	10 38 39.54	+04 43 19.7	18.5	704
1997 HP_5		1997 04 28.27432	10 38 39.29	+04 43 16.4	18.5	704
1997 HP_5		1997 04 28.30961	10 38 38.84	+04 43 13.8	20.1	704
1997 HP_5		1997 04 29.15664	10 38 34.19	+04 41 55.2		704
1997 HP_5		1997 04 29.18512	10 38 34.00	+04 41 51.8	18.4	704
1997 HP_5		1997 04 29.21374	10 38 33.78	+04 41 48.8	18.5	704
1997 HP_5		1997 04 29.24230	10 38 33.60	+04 41 47.3	18.7	704
1997 HP_5		1997 04 29.27077	10 38 33.39	+04 41 42.9	20.0	704
1997 HQ_5	*	1997 04 28.17133	10 37 51.06	+06 32 39.6	19.3	704
1997 HQ_5		1997 04 28.20560	10 37 51.16	+06 32 29.3	20.0	704
1997 HQ_5		1997 04 28.24002	10 37 51.15	+06 32 18.5	19.5	704
1997 HQ_5		1997 04 28.27488	10 37 51.28	+06 32 07.5	20.1	704
1997 HQ_5		1997 04 29.15711	10 37 55.12	+06 27 29.8	18.9	704
1997 HQ_5		1997 04 29.18559	10 37 55.17	+06 27 20.9	19.5	704
1997 HQ_5		1997 04 29.21421	10 37 55.30	+06 27 12.1	19.2	704
1997 HQ_5		1997 04 29.24277	10 37 55.45	+06 27 02.8	19.7	704
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1997 HR_5		1997 04 28.20846	10 41 05.22	+07 20 00.4	19.1	704
1997 HR_5		1997 04 28.24298	10 41 05.92	+07 20 07.6	19.1	704
1997 HR_5		1997 04 28.27781	10 41 06.69	+07 20 15.0	19.1	704
1997 HR_5		1997 04 29.15947	10 41 27.71	+07 23 24.7	18.8	704
1997 HR_5		1997 04 29.18797	10 41 28.35	+07 23 30.0	19.3	704
1997 HR_5		1997 04 29.24511	10 41 29.65	+07 23 42.7	19.1	704
1997 HR_5		1997 04 29.27359	10 41 30.07	+07 23 48.3	19.1	704
1997 HS_5	*	1997 04 28.17553	10 40 53.28	+03 18 20.3	19.1	704
1997 HS_5		1997 04 28.20978	10 40 54.07	+03 18 25.2	19.5	704
1997 HS_5		1997 04 28.24432	10 40 54.82	+03 18 28.7	20.0	704
1997 HS_5		1997 04 28.27915	10 40 55.52	+03 18 33.1	19.5	704
1997 HS_5		1997 04 29.16056	10 41 18.25	+03 20 13.9	18.8	704
1997 HS_5		1997 04 29.18907	10 41 18.96	+03 20 16.3	20.1	704
1997 HS_5		1997 04 29.24622	10 41 20.33	+03 20 23.2	19.4	704
1997 HS_5		1997 04 29.27486	10 41 20.88	+03 20 26.7	20.0	704
1997 HT_5	*	1997 04 28.17667	10 43 33.57	+06 31 27.2	18.9	704
1997 HT_5		1997 04 28.21091	10 43 34.02	+06 31 36.1	19.8	704
1997 HT_5		1997 04 28.24548	10 43 34.44	+06 31 45.1	19.7	704
1997 HT_5		1997 04 28.28026	10 43 34.96	+06 31 54.0	19.2	704
1997 HT_5		1997 04 28.31580	10 43 35.32	+06 32 03.8	20.4	704
1997 HT_5		1997 04 29.16153	10 43 48.47	+06 35 39.7	18.7	704
1997 HT_5		1997 04 29.19001	10 43 48.91	+06 35 47.2	19.9	704
1997 HT_5		1997 04 29.21877	10 43 49.22	+06 35 55.1	20.2	704
1997 HT_5		1997 04 29.24718	10 43 49.71	+06 36 00.7	19.0	704
1997 HT_5		1997 04 29.27580	10 43 50.13	+06 36 08.1	19.6	704
1997 HU_5	*	1997 04 28.17685	10 42 54.17	+07 06 54.4	19.0	704
1997 HU_5		1997 04 28.21109	10 42 54.56	+07 06 56.6	19.0	704
1997 HU_5		1997 04 28.24567	10 42 55.01	+07 06 58.7	20.0	704
1997 HU_5		1997 04 28.28046	10 42 55.37	+07 07 02.4	20.0	704
1997 HU_5		1997 04 29.16168	10 43 08.46	+07 07 57.2	19.1	704
1997 HU_5		1997 04 29.19016	10 43 08.82	+07 07 59.6	19.1	704
1997 HU_5		1997 04 29.21893	10 43 09.17	+07 07 59.8	19.9	704
1997 HU_5		1997 04 29.24734	10 43 09.59	+07 08 01.4	19.4	704
1997 HU_5		1997 04 29.27596	10 43 10.03	+07 08 04.1	19.4	704
1997 HV_5	*	1997 04 28.17818	10 43 10.65	+11 08 38.4	19.1	704
1997 HV_5		1997 04 28.21249	10 43 10.87	+11 08 41.3	19.1	704
1997 HV_5		1997 04 28.24703	10 43 11.14	+11 08 43.9	19.1	704
1997 HV_5		1997 04 28.28184	10 43 11.30	+11 08 46.8	19.4	704
1997 HV_5		1997 04 28.31741	10 43 11.38	+11 08 50.6	19.6	704
1997 HV_5		1997 04 29.16279	10 43 18.51	+11 09 53.3	19.0	704
1997 HV_5		1997 04 29.19127	10 43 18.72	+11 09 56.2	19.0	704
1997 HV_5		1997 04 29.22004	10 43 18.89	+11 09 58.5	19.0	704
1997 HV_5		1997 04 29.24844	10 43 19.14	+11 10 00.0	19.5	704
1997 HV_5		1997 04 29.27706	10 43 19.37	+11 10 01.5	19.5	704
1997 HW_5	*	1997 04 28.17896	10 45 56.66	+09 44 39.5	18.8	704
1997 HW_5		1997 04 28.21323	10 45 56.64	+09 44 43.5	18.8	704
1997 HW_5		1997 04 28.24782	10 45 56.48	+09 44 47.5	19.7	704
1997 HW_5		1997 04 28.28259	10 45 56.39	+09 44 51.3	19.7	704
1997 HW_5		1997 04 29.16342	10 45 55.92	+09 46 37.4	18.8	704
1997 HW_5		1997 04 29.19190	10 45 55.89	+09 46 42.1	18.8	704
1997 HW_5		1997 04 29.22067	10 45 55.87	+09 46 44.8	19.6	704
1997 HW_5		1997 04 29.24909	10 45 55.81	+09 46 47.4	19.6	704
1997 HW_5		1997 04 29.27768	10 45 55.73	+09 46 51.6	19.6	704
1997 HX_5	*	1997 04 28.18066	10 45 44.02	+04 04 52.3	18.9	704
1997 HX_5		1997 04 28.21499	10 45 44.90	+04 04 52.5	19.2	704
1997 HX_5		1997 04 28.24958	10 45 45.75	+04 04 52.1	19.5	704
1997 HX_5		1997 04 28.28435	10 45 46.70	+04 04 53.0	19.7	704
1997 HX_5		1997 04 29.16483	10 46 12.06	+04 04 59.4	18.6	704
1997 HX_5		1997 04 29.19331	10 46 12.82	+04 05 00.2	20.1	704
1997 HX_5		1997 04 29.22208	10 46 13.62	+04 04 59.6	19.6	704
1997 HX_5		1997 04 29.25050	10 46 14.41	+04 04 59.3	19.4	704
1997 HX_5		1997 04 29.27910	10 46 15.16	+04 04 59.5	20.1	704
1997 HY_5	*	1997 04 28.18122	10 47 55.54	+03 57 02.8	19.9	704
1997 HY_5		1997 04 28.21556	10 47 56.00	+03 57 12.2	19.9	704
1997 HY_5		1997 04 28.25014	10 47 56.62	+03 57 24.0	19.9	704
1997 HY_5		1997 04 28.28497	10 47 57.09	+03 57 35.2	19.8	704
1997 HY_5		1997 04 29.16530	10 48 12.98	+04 02 16.7	19.7	704
1997 HY_5		1997 04 29.19378	10 48 13.52	+04 02 24.8	20.1	704
1997 HY_5		1997 04 29.22255	10 48 13.91	+04 02 33.7	20.5	704
1997 HY_5		1997 04 29.25097	10 48 14.43	+04 02 42.6	19.7	704
1997 HY_5		1997 04 29.27958	10 48 14.73	+04 02 53.3	20.4	704
1997 HZ_5	*	1997 04 28.18122	10 48 57.89	+04 12 09.9	19.6	704
1997 HZ_5		1997 04 28.21556	10 48 58.09	+04 12 06.2	19.6	704
1997 HZ_5		1997 04 28.25014	10 48 58.33	+04 12 03.0	20.1	704
1997 HZ_5		1997 04 28.28497	10 48 58.63	+04 11 58.4	20.0	704
1997 HZ_5		1997 04 29.16530	10 49 08.02	+04 10 22.5	19.8	704
1997 HZ_5		1997 04 29.19378	10 49 08.27	+04 10 19.9	19.8	704
1997 HZ_5		1997 04 29.25097	10 49 08.84	+04 10 13.5	20.2	704
1997 HZ_5		1997 04 29.27958	10 49 08.98	+04 10 10.1	20.2	704

1997 HA_6	*	1997 04 28.18200	10 47 20.08	+06 31 43.5	18.6	704
1997 HA_6		1997 04 28.21637	10 47 21.32	+06 32 12.9	19.3	704
1997 HA_6		1997 04 28.25095	10 47 22.57	+06 32 40.9	19.0	704
1997 HA_6		1997 04 28.28612	10 47 23.87	+06 33 10.7	19.3	704
1997 HA_6		1997 04 28.32125	10 47 25.18	+06 33 40.3	19.6	704
1997 HA_6		1997 04 29.16609	10 47 59.02	+06 45 13.7	18.6	704
1997 HA_6		1997 04 29.19456	10 48 00.02	+06 45 36.8	19.3	704
1997 HA_6		1997 04 29.22333	10 48 01.13	+06 46 00.1	19.6	704
1997 HA_6		1997 04 29.25175	10 48 02.25	+06 46 23.2	18.6	704
1997 HB_6	*	1997 04 28.18239	10 49 03.22	+07 23 45.3	18.9	704
1997 HB_6		1997 04 28.21675	10 49 02.79	+07 23 40.4	19.3	704
1997 HB_6		1997 04 28.25135	10 49 02.39	+07 23 37.7	19.8	704
1997 HB_6		1997 04 28.28651	10 49 01.99	+07 23 28.4	20.2	704
1997 HB_6		1997 04 28.32161	10 49 01.42	+07 23 22.5	20.2	704
1997 HB_6		1997 04 29.16626	10 48 53.53	+07 21 10.1	19.0	704
1997 HB_6		1997 04 29.19472	10 48 53.19	+07 21 04.8	19.2	704
1997 HB_6		1997 04 29.22349	10 48 52.94	+07 21 00.7	19.3	704
1997 HB_6		1997 04 29.25191	10 48 52.62	+07 20 55.6	19.3	704
1997 HC_6	*	1997 04 28.18276	10 49 16.18	+08 39 02.8	18.8	704
1997 HC_6		1997 04 28.21712	10 49 16.42	+08 39 03.5	18.8	704
1997 HC_6		1997 04 28.25170	10 49 16.74	+08 39 03.8	19.0	704
1997 HC_6		1997 04 28.28688	10 49 17.03	+08 39 05.2	19.3	704
1997 HC_6		1997 04 28.32200	10 49 17.21	+08 39 05.9	19.3	704
1997 HC_6		1997 04 29.16658	10 49 26.44	+08 39 22.0	19.4	704
1997 HC_6		1997 04 29.19505	10 49 26.76	+08 39 24.1	19.4	704
1997 HC_6		1997 04 29.22381	10 49 26.98	+08 39 22.7	19.5	704
1997 HC_6		1997 04 29.25222	10 49 27.30	+08 39 22.4	19.5	704
1997 HC_6		1997 04 29.28085	10 49 27.44	+08 39 23.3	19.5	704
1997 HD_6	*	1997 04 28.18416	10 50 58.15	+10 23 37.4	19.7	704
1997 HD_6		1997 04 28.21842	10 50 58.50	+10 23 21.5	19.6	704
1997 HD_6		1997 04 28.25305	10 50 58.79	+10 23 05.6	20.1	704
1997 HD_6		1997 04 28.28819	10 50 59.23	+10 22 48.5	20.1	704
1997 HD_6		1997 04 29.16770	10 51 11.06	+10 16 12.8	19.6	704
1997 HD_6		1997 04 29.19616	10 51 11.39	+10 15 59.5	20.8	704
1997 HD_6		1997 04 29.22492	10 51 11.73	+10 15 45.8	20.0	704
1997 HD_6		1997 04 29.25333	10 51 12.02	+10 15 34.4	19.6	704
1997 HD_6		1997 04 29.28194	10 51 12.28	+10 15 20.8	20.1	704
1997 HE_6	*	1997 04 28.18453	10 50 18.13	+08 59 44.1	19.4	704
1997 HE_6		1997 04 28.21878	10 50 18.06	+08 59 37.3	19.8	704
1997 HE_6		1997 04 28.25343	10 50 17.88	+08 59 30.6	20.4	704
1997 HE_6		1997 04 28.28859	10 50 17.74	+08 59 23.4	20.0	704
1997 HE_6		1997 04 29.16803	10 50 16.35	+08 56 31.7	19.4	704
1997 HE_6		1997 04 29.19648	10 50 16.29	+08 56 25.3	20.0	704
1997 HE_6		1997 04 29.22524	10 50 16.18	+08 56 20.8	20.0	704
1997 HE_6		1997 04 29.25366	10 50 16.18	+08 56 14.0	19.5	704
1997 HE_6		1997 04 29.28226	10 50 16.15	+08 56 08.5	19.5	704
1997 HF_6	*	1997 04 28.18525	10 50 22.47	+06 36 46.2	19.5	704
1997 HF_6		1997 04 28.21955	10 50 23.00	+06 36 38.4	20.2	704
1997 HF_6		1997 04 28.25420	10 50 23.62	+06 36 27.7	20.2	704
1997 HF_6		1997 04 28.28932	10 50 24.17	+06 36 18.9	20.2	704
1997 HF_6		1997 04 29.16865	10 50 41.22	+06 32 29.5	19.4	704
1997 HF_6		1997 04 29.19711	10 50 41.69	+06 32 21.2	20.2	704
1997 HF_6		1997 04 29.22586	10 50 42.28	+06 32 14.3	20.2	704
1997 HF_6		1997 04 29.25429	10 50 42.79	+06 32 06.7	19.9	704
1997 HF_6		1997 04 29.28289	10 50 43.14	+06 31 58.7	20.5	704
1997 HG_6	*	1997 04 28.18525	10 51 06.86	+06 21 35.3	19.7	704
1997 HG_6		1997 04 28.21955	10 51 07.99	+06 22 08.8	20.0	704
1997 HG_6		1997 04 28.25420	10 51 09.21	+06 22 40.3	20.2	704
1997 HG_6		1997 04 28.28932	10 51 10.47	+06 23 11.7	20.3	704
1997 HG_6		1997 04 29.16865	10 51 44.05	+06 36 32.9	20.0	704
1997 HG_6		1997 04 29.19711	10 51 45.08	+06 36 57.1	20.2	704
1997 HG_6		1997 04 29.22586	10 51 46.02	+06 37 23.8	20.1	704
1997 HG_6		1997 04 29.25429	10 51 47.09	+06 37 48.3	20.1	704
1997 HG_6		1997 04 29.28289	10 51 47.94	+06 38 13.4	20.6	704
1997 HH_6	*	1997 04 28.18563	10 50 26.58	+05 16 02.5	19.9	704
1997 HH_6		1997 04 28.21994	10 50 26.89	+05 16 04.7	19.9	704
1997 HH_6		1997 04 28.25457	10 50 27.20	+05 16 08.0	20.1	704
1997 HH_6		1997 04 28.28971	10 50 27.66	+05 16 12.4	20.4	704
1997 HH_6		1997 04 29.16897	10 50 39.11	+05 17 20.5	19.9	704
1997 HH_6		1997 04 29.19742	10 50 39.49	+05 17 23.1	19.9	704
1997 HH_6		1997 04 29.25460	10 50 40.22	+05 17 27.8	20.4	704
1997 HH_6		1997 04 29.28320	10 50 40.33	+05 17 29.1	20.4	704
1997 HJ_6	*	1997 04 28.18620	10 51 15.67	+03 30 10.8	19.1	704
1997 HJ_6		1997 04 28.22054	10 51 16.04	+03 30 16.9	19.1	704
1997 HJ_6		1997 04 28.25515	10 51 16.37	+03 30 22.7	18.9	704
1997 HJ_6		1997 04 28.29028	10 51 16.81	+03 30 27.5	18.9	704
1997 HJ_6		1997 04 28.32554	10 51 17.02	+03 30 35.7	20.4	704
1997 HJ_6		1997 04 29.16943	10 51 28.23	+03 33 03.9	19.0	704
1997 HJ_6		1997 04 29.19789	10 51 28.53	+03 33 08.7	19.0	704
1997 HJ_6		1997 04 29.22664	10 51 28.85	+03 33 13.6	19.4	704
1997 HJ_6		1997 04 29.25507	10 51 29.18	+03 33 18.1	19.3	704
1997 HJ_6		1997 04 29.28367	10 51 29.58	+03 33 23.2	19.3	704
1997 HK_6	*	1997 04 28.18657	10 47 58.55	+02 51 02.4	18.3	704
1997 HK_6		1997 04 28.22089	10 47 59.05	+02 51 05.1	18.5	704
1997 HK_6		1997 04 28.25554	10 47 59.56	+02 51 07.6	18.3	704
1997 HK_6		1997 04 28.29067	10 48 00.12	+02 51 10.3	19.2	704
1997 HK_6		1997 04 28.32592	10 48 00.62	+02 51 13.3	19.2	704
1997 HK_6		1997 04 29.16975	10 48 15.55	+02 52 10.0		704
1997 HK_6		1997 04 29.19821	10 48 16.00	+02 52 12.1		704
1997 HK_6		1997 04 29.22695	10 48 16.45	+02 52 13.6	18.8	704
1997 HK_6		1997 04 29.25538	10 48 16.93	+02 52 15.3	18.5	704
1997 HK_6		1997 04 29.28398	10 48 17.40	+02 52 17.3	18.5	704
1997 HL_6	*	1997 04 30.20182	14 26 15.24	−18 58 36.5	18.9	704
1997 HL_6		1997 04 30.22405	14 26 13.90	−18 58 27.3	19.7	704
1997 HL_6		1997 04 30.24634	14 26 12.54	−18 58 17.0	20.0	704
1997 HL_6		1997 04 30.26891	14 26 11.02	−18 58 07.9	20.0	704
1997 HL_6		1997 05 01.20790	14 25 14.52	−18 51 11.8	18.8	704
1997 HL_6		1997 05 01.23024	14 25 13.12	−18 51 01.2	19.2	704
1997 HL_6		1997 05 01.25270	14 25 11.66	−18 50 51.8	19.2	704
1997 HL_6		1997 05 01.27512	14 25 10.27	−18 50 41.5	19.3	704
1997 HL_6		1997 05 01.29764	14 25 08.84	−18 50 32.1	18.6	704
1997 HM_6	*	1997 04 30.20182	14 26 52.56	−18 35 35.1	19.2	704
1997 HM_6		1997 04 30.22405	14 26 51.20	−18 35 24.7	19.5	704
1997 HM_6		1997 04 30.24634	14 26 49.93	−18 35 14.4	19.8	704

1997 HM_6		1997 04 30.26891	14 26 48.59	−18 35 03.9	19.5	704
1997 HM_6		1997 04 30.29154	14 26 47.25	−18 34 55.6	20.3	704
1997 HM_6		1997 05 01.20790	14 25 56.07	−18 27 58.8	18.7	704
1997 HM_6		1997 05 01.23024	14 25 54.79	−18 27 49.8	19.0	704
1997 HM_6		1997 05 01.25270	14 25 53.42	−18 27 39.3	19.1	704
1997 HM_6		1997 05 01.27512	14 25 52.13	−18 27 29.0	19.2	704
1997 HM_6		1997 05 01.29764	14 25 50.87	−18 27 18.3	18.5	704
1997 HN_6	*	1997 04 30.20213	14 26 09.95	−17 44 39.3	19.6	704
1997 HN_6		1997 04 30.22438	14 26 08.72	−17 44 31.3	20.0	704
1997 HN_6		1997 04 30.24666	14 26 07.42	−17 44 23.7	19.7	704
1997 HN_6		1997 04 30.26924	14 26 06.01	−17 44 17.9	19.8	704
1997 HN_6		1997 05 01.23057	14 25 11.75	−17 39 01.9	20.2	704
1997 HN_6		1997 05 01.25303	14 25 10.34	−17 38 55.3	20.3	704
1997 HN_6		1997 05 01.27545	14 25 09.05	−17 38 46.7	19.8	704
1997 HN_6		1997 05 01.29796	14 25 07.62	−17 38 40.2	20.0	704
1997 HO_6	*	1997 04 30.20245	14 25 47.02	−16 23 45.5	18.8	704
1997 HO_6		1997 04 30.22470	14 25 45.84	−16 23 40.9	19.6	704
1997 HO_6		1997 04 30.24713	14 25 44.67	−16 23 35.0	19.6	704
1997 HO_6		1997 04 30.26956	14 25 43.53	−16 23 29.0	18.9	704
1997 HO_6		1997 04 30.29219	14 25 42.41	−16 23 22.4	19.7	704
1997 HO_6		1997 05 01.20855	14 24 56.60	−16 19 34.9	18.6	704
1997 HO_6		1997 05 01.23089	14 24 55.43	−16 19 29.2	19.6	704
1997 HO_6		1997 05 01.25335	14 24 54.30	−16 19 23.4	19.3	704
1997 HO_6		1997 05 01.27577	14 24 53.16	−16 19 18.6	18.9	704
1997 HO_6		1997 05 01.29828	14 24 52.03	−16 19 13.6	19.6	704
1997 HP_6	*	1997 04 30.20245	14 26 24.96	−16 01 55.8	18.4	704
1997 HP_6		1997 04 30.22470	14 26 23.81	−16 01 51.2	19.4	704
1997 HP_6		1997 04 30.24713	14 26 22.67	−16 01 45.7	19.4	704
1997 HP_6		1997 04 30.26956	14 26 21.55	−16 01 39.8	19.0	704
1997 HP_6		1997 04 30.29219	14 26 20.32	−16 01 35.5	19.7	704
1997 HP_6		1997 05 01.20855	14 25 35.09	−15 57 52.0		704
1997 HP_6		1997 05 01.23089	14 25 33.93	−15 57 46.9	18.3	704
1997 HP_6		1997 05 01.25335	14 25 32.78	−15 57 41.0	18.5	704
1997 HP_6		1997 05 01.27577	14 25 31.66	−15 57 35.8	18.3	704
1997 HP_6		1997 05 01.29828	14 25 30.49	−15 57 30.5	18.3	704
1997 HQ_6	*	1997 04 30.20261	14 26 38.15	−15 55 27.8	19.7	704
1997 HQ_6		1997 04 30.22486	14 26 36.92	−15 55 21.0	20.0	704
1997 HQ_6		1997 04 30.24729	14 26 36.10	−15 55 11.7	20.2	704
1997 HQ_6		1997 04 30.26972	14 26 35.08	−15 55 04.5	19.5	704
1997 HQ_6		1997 05 01.20871	14 25 53.23	−15 49 40.6	19.5	704
1997 HQ_6		1997 05 01.23105	14 25 52.15	−15 49 33.4	19.5	704
1997 HQ_6		1997 05 01.25351	14 25 51.16	−15 49 25.6	19.5	704
1997 HQ_6		1997 05 01.27593	14 25 50.11	−15 49 16.9	19.0	704
1997 HQ_6		1997 05 01.29844	14 25 49.09	−15 49 09.6	19.2	704
1997 HR_6	*	1997 04 30.20261	14 26 45.60	−15 19 06.2	19.4	704
1997 HR_6		1997 04 30.22486	14 26 44.28	−15 18 56.4	20.0	704
1997 HR_6		1997 04 30.24729	14 26 42.98	−15 18 45.2	19.6	704
1997 HR_6		1997 04 30.26972	14 26 41.75	−15 18 33.6	19.6	704
1997 HR_6		1997 05 01.20887	14 25 53.21	−15 10 49.4	19.4	704
1997 HR_6		1997 05 01.23121	14 25 52.06	−15 10 38.1	19.4	704
1997 HR_6		1997 05 01.25367	14 25 50.74	−15 10 27.4	19.8	704
1997 HR_6		1997 05 01.27609	14 25 49.65	−15 10 15.8	19.8	704
1997 HR_6		1997 05 01.29861	14 25 48.34	−15 10 04.2	19.7	704
1997 HS_6	*	1997 04 30.20277	14 25 43.02	−14 49 15.5	18.7	704
1997 HS_6		1997 04 30.22502	14 25 42.03	−14 49 07.1	19.3	704
1997 HS_6		1997 04 30.24744	14 25 40.97	−14 48 58.1	19.6	704
1997 HS_6		1997 04 30.26989	14 25 39.96	−14 48 49.5	19.3	704
1997 HS_6		1997 04 30.29251	14 25 38.70	−14 48 40.4	20.1	704
1997 HS_6		1997 05 01.20887	14 24 59.03	−14 42 38.6	19.2	704
1997 HS_6		1997 05 01.23121	14 24 57.95	−14 42 29.6	19.5	704
1997 HS_6		1997 05 01.25367	14 24 56.92	−14 42 20.5	19.3	704
1997 HS_6		1997 05 01.27609	14 24 55.93	−14 42 11.4	19.2	704
1997 HS_6		1997 05 01.29861	14 24 54.87	−14 42 02.7	19.0	704
1997 HT_6	*	1997 04 30.20277	14 26 19.58	−14 52 22.0	19.0	704
1997 HT_6		1997 04 30.22502	14 26 18.61	−14 52 15.5	19.4	704
1997 HT_6		1997 04 30.24744	14 26 17.59	−14 52 07.9	19.2	704
1997 HT_6		1997 04 30.26989	14 26 16.51	−14 52 00.4	19.5	704
1997 HT_6		1997 04 30.29251	14 26 15.43	−14 51 52.2	20.1	704
1997 HT_6		1997 05 01.20887	14 25 35.81	−14 46 48.4	18.8	704
1997 HT_6		1997 05 01.23121	14 25 34.82	−14 46 41.3	19.4	704
1997 HT_6		1997 05 01.25367	14 25 33.78	−14 46 34.4	19.3	704
1997 HT_6		1997 05 01.27609	14 25 32.81	−14 46 26.5	19.5	704
1997 HT_6		1997 05 01.29861	14 25 31.77	−14 46 19.0	19.3	704
1997 HU_6	*	1997 04 30.20308	14 26 40.96	−13 31 26.7	19.6	704
1997 HU_6		1997 04 30.22534	14 26 39.71	−13 31 24.0	19.8	704
1997 HU_6		1997 04 30.24776	14 26 38.23	−13 31 21.1	20.1	704
1997 HU_6		1997 04 30.27021	14 26 36.78	−13 31 18.8	19.8	704
1997 HU_6		1997 05 01.20919	14 25 40.42	−13 29 08.2	19.4	704
1997 HU_6		1997 05 01.23153	14 25 39.03	−13 29 04.6	19.4	704
1997 HU_6		1997 05 01.25399	14 25 37.68	−13 29 01.6	20.0	704
1997 HU_6		1997 05 01.27642	14 25 36.25	−13 28 58.9	19.5	704
1997 HU_6		1997 05 01.29893	14 25 34.67	−13 28 55.0	20.3	704
1997 HV_6	*	1997 04 30.20324	14 27 10.47	−13 07 19.4	19.6	704
1997 HV_6		1997 04 30.22550	14 27 09.40	−13 07 15.0	20.0	704
1997 HV_6		1997 04 30.24792	14 27 08.09	−13 07 07.5	20.1	704
1997 HV_6		1997 04 30.27037	14 27 06.94	−13 07 01.2	19.7	704
1997 HV_6		1997 04 30.29300	14 27 05.55	−13 06 54.4	20.2	704
1997 HV_6		1997 05 01.20934	14 26 18.00	−13 02 25.3	19.5	704
1997 HV_6		1997 05 01.23169	14 26 16.76	−13 02 18.4	19.1	704
1997 HV_6		1997 05 01.25415	14 26 15.53	−13 02 13.4	19.7	704
1997 HV_6		1997 05 01.27658	14 26 14.45	−13 02 06.3	19.9	704
1997 HV_6		1997 05 01.29909	14 26 13.15	−13 01 59.1	19.6	704
1997 HW_6	*	1997 04 30.20324	14 27 16.77	−13 11 46.6	19.6	704
1997 HW_6		1997 04 30.22550	14 27 15.79	−13 11 41.6	19.7	704
1997 HW_6		1997 04 30.24792	14 27 14.76	−13 11 36.9	19.8	704
1997 HW_6		1997 04 30.27037	14 27 13.62	−13 11 33.3	19.8	704
1997 HW_6		1997 05 01.20934	14 26 30.55	−13 08 24.0	19.3	704
1997 HW_6		1997 05 01.23169	14 26 29.47	−13 08 19.0	19.4	704
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1997 HW_6		1997 05 01.27658	14 26 27.37	−13 08 10.6	19.3	704
1997 HW_6		1997 05 01.29909	14 26 26.26	−13 08 05.1	19.8	704
1997 HX_6	*	1997 04 30.20372	14 27 07.07	−11 08 49.2		704
1997 HX_6		1997 04 30.22599	14 27 05.94	−11 08 44.6	18.3	704
1997 HX_6		1997 04 30.24840	14 27 04.81	−11 08 40.0		704

1997 HX_6		1997 04 30.27086	14 27 03.67	−11 08 35.4		704
1997 HX_6		1997 04 30.29349	14 27 02.51	−11 08 30.5	18.9	704
1997 HX_6		1997 05 01.20982	14 26 17.61	−11 05 19.9		704
1997 HX_6		1997 05 01.23217	14 26 16.50	−11 05 15.2		704
1997 HX_6		1997 05 01.25464	14 26 15.34	−11 05 10.9		704
1997 HX_6		1997 05 01.27707	14 26 14.19	−11 05 06.1		704
1997 HX_6		1997 05 01.29958	14 26 13.05	−11 05 01.8		704
1997 HY_6	*	1997 04 30.20387	14 25 59.77	−10 24 17.7		704
1997 HY_6		1997 04 30.22615	14 25 58.59	−10 24 15.8	18.4	704
1997 HY_6		1997 04 30.24856	14 25 57.43	−10 24 14.2	18.2	704
1997 HY_6		1997 04 30.27102	14 25 56.23	−10 24 12.4	18.1	704
1997 HY_6		1997 04 30.29365	14 25 55.05	−10 24 11.9	18.8	704
1997 HY_6		1997 05 01.20998	14 25 08.31	−10 23 05.3		704
1997 HY_6		1997 05 01.23233	14 25 07.11	−10 23 03.6	18.9	704
1997 HY_6		1997 05 01.25480	14 25 05.93	−10 23 02.0	18.6	704
1997 HY_6		1997 05 01.27723	14 25 04.76	−10 23 00.2	18.3	704
1997 HY_6		1997 05 01.29974	14 25 03.58	−10 22 58.4	18.5	704
1997 HZ_6	*	1997 04 30.20403	14 27 52.97	−10 36 48.4	19.3	704
1997 HZ_6		1997 04 30.22630	14 27 51.83	−10 36 39.0	20.2	704
1997 HZ_6		1997 04 30.24872	14 27 50.63	−10 36 29.6	20.1	704
1997 HZ_6		1997 04 30.27118	14 27 49.55	−10 36 18.0	20.3	704
1997 HZ_6		1997 05 01.20998	14 27 03.02	−10 29 03.2	20.1	704
1997 HZ_6		1997 05 01.23233	14 27 01.96	−10 28 55.0	20.6	704
1997 HZ_6		1997 05 01.27723	14 26 59.61	−10 28 32.9	20.3	704
1997 HZ_6		1997 05 01.29974	14 26 58.46	−10 28 23.4	19.9	704
1997 HA_7	*	1997 04 30.20403	14 29 12.35	−10 28 14.7	18.9	704
1997 HA_7		1997 04 30.22630	14 29 11.28	−10 28 10.0	19.4	704
1997 HA_7		1997 04 30.24872	14 29 10.16	−10 28 05.2	19.7	704
1997 HA_7		1997 04 30.27118	14 29 09.05	−10 27 59.3	19.9	704
1997 HA_7		1997 05 01.21014	14 28 24.87	−10 24 35.7	19.4	704
1997 HA_7		1997 05 01.23249	14 28 23.81	−10 24 31.0	19.6	704
1997 HA_7		1997 05 01.25495	14 28 22.68	−10 24 26.1	19.8	704
1997 HA_7		1997 05 01.27739	14 28 21.61	−10 24 22.4	19.5	704
1997 HA_7		1997 05 01.29990	14 28 20.54	−10 24 16.9	19.4	704
1997 HB_7	*	1997 04 30.20419	14 29 41.94	−11 01 48.2	18.9	704
1997 HB_7		1997 04 30.22646	14 29 40.88	−11 01 38.6	19.3	704
1997 HB_7		1997 04 30.24887	14 29 39.82	−11 01 29.4	19.3	704
1997 HB_7		1997 04 30.27134	14 29 38.78	−11 01 19.8	19.4	704
1997 HB_7		1997 04 30.29396	14 29 37.58	−11 01 11.3	19.9	704
1997 HB_7		1997 05 01.21014	14 28 56.35	−10 54 54.5	19.1	704
1997 HB_7		1997 05 01.23249	14 28 55.25	−10 54 45.0	19.5	704
1997 HB_7		1997 05 01.25495	14 28 54.26	−10 54 35.5	19.4	704
1997 HB_7		1997 05 01.27739	14 28 53.18	−10 54 26.6	19.2	704
1997 HB_7		1997 05 01.29990	14 28 52.12	−10 54 17.7	19.3	704
1997 HC_7	*	1997 04 30.20434	14 28 59.15	−11 49 21.4	19.8	704
1997 HC_7		1997 04 30.22662	14 28 58.09	−11 49 09.0	20.1	704
1997 HC_7		1997 04 30.24903	14 28 56.99	−11 48 55.3	19.9	704
1997 HC_7		1997 04 30.29412	14 28 54.70	−11 48 29.8	20.3	704
1997 HC_7		1997 05 01.21046	14 28 12.71	−11 39 24.5	19.6	704
1997 HC_7		1997 05 01.23281	14 28 11.65	−11 39 10.7	20.1	704
1997 HC_7		1997 05 01.25527	14 28 10.52	−11 38 57.8	20.2	704
1997 HC_7		1997 05 01.27770	14 28 09.46	−11 38 44.0	20.4	704
1997 HC_7		1997 05 01.30022	14 28 08.30	−11 38 31.2	20.1	704
1997 HD_7	*	1997 04 30.20450	14 28 23.95	−12 24 04.1	19.6	704
1997 HD_7		1997 04 30.22678	14 28 22.77	−12 23 59.7	20.0	704
1997 HD_7		1997 04 30.24919	14 28 21.60	−12 23 55.6	20.1	704
1997 HD_7		1997 04 30.27166	14 28 20.52	−12 23 51.9	20.0	704
1997 HD_7		1997 05 01.21061	14 27 33.19	−12 20 45.4	19.4	704
1997 HD_7		1997 05 01.25543	14 27 30.87	−12 20 36.3	20.2	704
1997 HD_7		1997 05 01.27786	14 27 29.67	−12 20 32.9	20.1	704
1997 HD_7		1997 05 01.30038	14 27 28.33	−12 20 27.5	20.3	704
1997 HE_7	*	1997 04 30.20497	14 28 50.07	−14 07 17.0	19.0	704
1997 HE_7		1997 04 30.22726	14 28 48.99	−14 07 03.0	19.5	704
1997 HE_7		1997 04 30.24965	14 28 47.92	−14 06 48.0	19.6	704
1997 HE_7		1997 04 30.27213	14 28 46.84	−14 06 36.4	19.1	704
1997 HE_7		1997 04 30.29475	14 28 45.73	−14 06 22.3	19.4	704
1997 HE_7		1997 05 01.21093	14 28 02.79	−13 57 04.8	19.5	704
1997 HE_7		1997 05 01.23328	14 28 01.71	−13 56 53.2	20.1	704
1997 HE_7		1997 05 01.27818	14 27 59.53	−13 56 23.3	19.6	704
1997 HE_7		1997 05 01.30070	14 27 58.43	−13 56 11.5	19.8	704
1997 HE_7		1997 05 05.32751	14 24 50.81	−13 15 25.7	20.0	704
1997 HE_7		1997 05 05.36223	14 24 49.08	−13 15 03.5	20.0	704
1997 HE_7		1997 05 05.37959	14 24 48.33	−13 14 52.0	19.9	704
1997 HE_7		1997 05 05.39695	14 24 47.38	−13 14 41.7	20.3	704
1997 HF_7	*	1997 04 30.20497	14 29 37.15	−14 06 43.9	19.0	704
1997 HF_7		1997 04 30.22726	14 29 35.77	−14 06 37.9	19.2	704
1997 HF_7		1997 04 30.24965	14 29 34.42	−14 06 32.1	19.3	704
1997 HF_7		1997 04 30.27213	14 29 32.97	−14 06 27.3	19.2	704
1997 HF_7		1997 04 30.29475	14 29 31.55	−14 06 19.9	19.5	704
1997 HF_7		1997 05 01.21093	14 28 36.38	−14 02 20.3	19.0	704
1997 HF_7		1997 05 01.23328	14 28 35.00	−14 02 14.8	19.4	704
1997 HF_7		1997 05 01.25574	14 28 33.63	−14 02 09.3	19.8	704
1997 HF_7		1997 05 01.27818	14 28 32.24	−14 02 03.2	19.5	704
1997 HF_7		1997 05 01.30070	14 28 30.79	−14 01 57.0	19.2	704
1997 HG_7	*	1997 04 30.20497	14 29 49.01	−14 17 10.7	19.2	704
1997 HG_7		1997 04 30.22726	14 29 47.96	−14 17 08.7	20.0	704
1997 HG_7		1997 04 30.24965	14 29 46.56	−14 17 05.0	19.9	704
1997 HG_7		1997 04 30.27213	14 29 45.25	−14 17 02.4	19.6	704
1997 HG_7		1997 05 01.21108	14 28 52.40	−14 14 21.1	19.5	704
1997 HG_7		1997 05 01.23344	14 28 51.11	−14 14 17.2	19.7	704
1997 HG_7		1997 05 01.25590	14 28 49.83	−14 14 13.7	19.6	704
1997 HG_7		1997 05 01.27834	14 28 48.59	−14 14 09.9	19.3	704
1997 HG_7		1997 05 01.30086	14 28 47.33	−14 14 06.5	19.4	704
1997 HH_7	*	1997 04 30.20513	14 27 39.26	−14 46 20.9	19.3	704
1997 HH_7		1997 04 30.22742	14 27 38.25	−14 46 14.8	19.7	704
1997 HH_7		1997 04 30.24981	14 27 37.16	−14 46 06.7	18.9	704
1997 HH_7		1997 04 30.27229	14 27 36.13	−14 46 00.0	18.9	704
1997 HH_7		1997 04 30.29491	14 27 34.90	−14 45 53.5	19.9	704
1997 HH_7		1997 05 01.20902	14 26 54.33	−14 41 14.5	19.8	704
1997 HH_7		1997 05 01.23137	14 26 53.32	−14 41 07.4	20.1	704
1997 HH_7		1997 05 01.25383	14 26 52.16	−14 40 59.6	19.9	704
1997 HH_7		1997 05 01.27626	14 26 51.26	−14 40 54.2	20.0	704
1997 HH_7		1997 05 01.29877	14 26 50.05	−14 40 48.2	20.3	704
1997 HJ_7	*	1997 04 30.20513	14 28 17.05	−15 11 46.7	19.1	704

1997 HJ_7		1997 04 30.22742	14 28 15.68	−15 11 37.3	19.4		704
1997 HJ_7		1997 04 30.24981	14 28 14.26	−15 11 28.9	19.3		704
1997 HJ_7		1997 04 30.29491	14 28 11.31	−15 11 11.2	20.0		704
1997 HJ_7		1997 05 01.20887	14 27 16.82	−15 05 24.3	19.3		704
1997 HJ_7		1997 05 01.23121	14 27 15.37	−15 05 13.8	19.8		704
1997 HJ_7		1997 05 01.27609	14 27 12.61	−15 04 57.2	19.9		704
1997 HJ_7		1997 05 01.29861	14 27 11.15	−15 04 51.0	19.9		704
1997 HK_7	*	1997 04 30.20529	14 29 18.99	−15 32 59.1	19.6		704
1997 HK_7		1997 04 30.22758	14 29 18.00	−15 32 49.1	20.0		704
1997 HK_7		1997 04 30.24997	14 29 16.96	−15 32 40.8	19.1		704
1997 HK_7		1997 04 30.27245	14 29 15.89	−15 32 32.3	19.2		704
1997 HK_7		1997 05 01.21140	14 28 33.94	−15 26 07.7	19.4		704
1997 HK_7		1997 05 01.23376	14 28 33.01	−15 25 59.6	20.2		704
1997 HK_7		1997 05 01.25622	14 28 31.93	−15 25 50.3	19.7		704
1997 HK_7		1997 05 01.27866	14 28 30.84	−15 25 39.8	19.9		704
1997 HK_7		1997 05 01.30118	14 28 29.89	−15 25 32.7	19.8		704
1997 HK_7		1997 05 05.32693	14 25 30.35	−14 57 56.6	19.6		704
1997 HK_7		1997 05 05.34429	14 25 29.58	−14 57 49.3	19.8		704
1997 HK_7		1997 05 05.36165	14 25 28.76	−14 57 41.9	20.2		704
1997 HK_7		1997 05 05.37901	14 25 28.14	−14 57 35.3	19.8		704
1997 HK_7		1997 05 05.39637	14 25 27.24	−14 57 28.3	19.8		704
1997 HL_7	*	1997 04 30.20545	14 27 53.51	−16 31 00.1	19.3		704
1997 HL_7		1997 04 30.22774	14 27 52.29	−16 30 55.3	19.7		704
1997 HL_7		1997 04 30.25013	14 27 50.97	−16 30 50.3	19.7		704
1997 HL_7		1997 04 30.27262	14 27 49.79	−16 30 43.8	19.8		704
1997 HL_7		1997 05 01.20855	14 26 59.98	−16 26 41.4	19.8		704
1997 HL_7		1997 05 01.23089	14 26 58.70	−16 26 35.4	20.1		704
1997 HL_7		1997 05 01.25335	14 26 57.48	−16 26 30.3	20.4		704
1997 HL_7		1997 05 01.27577	14 26 56.23	−16 26 25.8	20.1		704
1997 HM_7	*	1997 04 30.20545	14 28 44.10	−16 20 14.4	19.2		704
1997 HM_7		1997 04 30.22774	14 28 43.06	−16 20 08.1	19.0		704
1997 HM_7		1997 04 30.25013	14 28 42.01	−16 20 01.8	18.8		704
1997 HM_7		1997 04 30.27262	14 28 40.93	−16 19 55.7	19.0		704
1997 HM_7		1997 04 30.29523	14 28 39.82	−16 19 51.2	19.2		704
1997 HM_7		1997 05 01.21156	14 27 57.06	−16 15 35.6	18.2		704
1997 HM_7		1997 05 01.23391	14 27 56.00	−16 15 29.3	19.0		704
1997 HM_7		1997 05 01.25637	14 27 54.88	−16 15 23.3	19.1		704
1997 HM_7		1997 05 01.27882	14 27 53.83	−16 15 17.3	18.8		704
1997 HM_7		1997 05 01.30134	14 27 52.75	−16 15 11.3	18.7		704
1997 HN_7	*	1997 04 30.20577	14 28 31.20	−17 32 32.7	20.0		704
1997 HN_7		1997 04 30.22805	14 28 29.87	−17 32 28.4	19.6		704
1997 HN_7		1997 04 30.25046	14 28 28.56	−17 32 22.8	19.9		704
1997 HN_7		1997 04 30.27294	14 28 27.23	−17 32 17.2	19.0		704
1997 HN_7		1997 04 30.29555	14 28 25.65	−17 32 13.4	19.9		704
1997 HN_7		1997 05 01.21187	14 27 33.12	−17 28 49.1	19.8		704
1997 HN_7		1997 05 01.25670	14 27 30.23	−17 28 39.0	20.3		704
1997 HN_7		1997 05 01.27915	14 27 28.99	−17 28 34.4	19.8		704
1997 HN_7		1997 05 01.30167	14 27 27.55	−17 28 27.2	20.1		704
1997 HO_7	*	1997 04 30.20593	14 28 29.49	−17 51 28.9	18.5		704
1997 HO_7		1997 04 30.22821	14 28 28.55	−17 51 25.0	18.9		704
1997 HO_7		1997 04 30.25061	14 28 27.52	−17 51 21.7	19.3		704
1997 HO_7		1997 04 30.27310	14 28 26.64	−17 51 18.6	18.7		704
1997 HO_7		1997 04 30.29571	14 28 25.65	−17 51 14.7	19.1		704
1997 HO_7		1997 05 01.21203	14 27 47.98	−17 48 50.2	18.1		704
1997 HO_7		1997 05 01.23439	14 27 47.03	−17 48 47.1	18.6		704
1997 HO_7		1997 05 01.25686	14 27 46.06	−17 48 43.0	18.5		704
1997 HO_7		1997 05 01.27931	14 27 45.10	−17 48 39.5	18.7		704
1997 HO_7		1997 05 01.30183	14 27 44.17	−17 48 35.6	18.3		704
1997 HO_7		1997 05 05.32615	14 24 59.29	−17 37 45.6	18.8		704
1997 HO_7		1997 05 05.34351	14 24 58.60	−17 37 42.8	19.0		704
1997 HO_7		1997 05 05.36088	14 24 57.82	−17 37 39.6	19.4		704
1997 HO_7		1997 05 05.37824	14 24 57.17	−17 37 36.9	19.0		704
1997 HO_7		1997 05 05.39560	14 24 56.44	−17 37 33.2	19.2		704
1997 HP_7	*	1997 04 30.20593	14 29 45.59	−18 00 30.9	19.6		704
1997 HP_7		1997 04 30.22821	14 29 44.37	−18 00 24.8	19.4		704
1997 HP_7		1997 04 30.25061	14 29 43.04	−18 00 17.9	19.7		704
1997 HP_7		1997 04 30.27310	14 29 41.94	−18 00 14.0	19.6		704
1997 HP_7		1997 04 30.29571	14 29 40.51	−18 00 05.9	20.4		704
1997 HP_7		1997 05 01.21203	14 28 53.11	−17 55 49.1	19.0		704
1997 HP_7		1997 05 01.23439	14 28 51.91	−17 55 43.1	19.1		704
1997 HP_7		1997 05 01.25686	14 28 50.66	−17 55 36.5	19.0		704
1997 HP_7		1997 05 01.27931	14 28 49.48	−17 55 30.1	18.9		704
1997 HP_7		1997 05 01.30183	14 28 48.25	−17 55 23.8	18.8		704
1997 HQ_7	*	1997 04 30.20625	14 31 36.99	−18 25 02.5	19.9		704
1997 HQ_7		1997 04 30.22853	14 31 35.59	−18 25 00.7	20.1		704
1997 HQ_7		1997 04 30.25093	14 31 34.06	−18 24 57.7	19.7		704
1997 HQ_7		1997 04 30.27342	14 31 32.47	−18 24 55.7	20.1		704
1997 HQ_7		1997 04 30.29602	14 31 30.99	−18 24 51.9	19.8		704
1997 HQ_7		1997 05 01.21251	14 30 32.25	−18 23 00.4	19.9		704
1997 HQ_7		1997 05 01.25733	14 30 29.10	−18 22 54.9	19.9		704
1997 HQ_7		1997 05 01.27979	14 30 27.61	−18 22 52.4	20.0		704
1997 HQ_7		1997 05 01.30231	14 30 26.02	−18 22 50.4	20.1		704
1997 HQ_7		1997 05 05.32596	14 26 05.59	−18 13 50.9	19.6		704
1997 HQ_7		1997 05 05.36068	14 26 03.22	−18 13 45.0	20.2		704
1997 HQ_7		1997 05 05.37804	14 26 01.96	−18 13 43.2	20.0		704
1997 HQ_7		1997 05 05.39541	14 26 00.60	−18 13 40.6	20.5		704
1997 HR_7	*	1997 04 30.20625	14 32 06.37	−18 57 28.9	19.8		704
1997 HR_7		1997 04 30.22853	14 32 05.15	−18 57 23.8	19.7		704
1997 HR_7		1997 04 30.25093	14 32 03.85	−18 57 20.1	19.9		704
1997 HR_7		1997 04 30.27342	14 32 02.67	−18 57 14.6	19.8		704
1997 HR_7		1997 04 30.29602	14 32 01.21	−18 57 10.8	20.3		704
1997 HR_7		1997 05 01.21235	14 31 10.84	−18 54 05.7	19.3		704
1997 HR_7		1997 05 01.23471	14 31 09.49	−18 54 00.7	20.2		704
1997 HR_7		1997 05 01.25717	14 31 08.24	−18 53 55.9	19.5		704
1997 HR_7		1997 05 01.27962	14 31 07.02	−18 53 52.0	19.3		704
1997 HR_7		1997 05 01.30215	14 31 05.73	−18 53 47.2	19.5		704
1997 HS_7	*	1997 04 30.20641	14 30 00.18	−17 48 16.9	19.5		704
1997 HS_7		1997 04 30.25110	14 29 57.81	−17 48 14.5	19.5		704
1997 HS_7		1997 04 30.27358	14 29 56.62	−17 48 10.8	20.3		704
1997 HS_7		1997 04 30.29618	14 29 55.27	−17 48 09.3	19.8		704
1997 HS_7		1997 05 05.32615	14 25 31.83	−17 40 34.9	20.0		704
1997 HS_7		1997 05 05.34351	14 25 30.80	−17 40 33.5	20.4		704
1997 HS_7		1997 05 05.37824	14 25 28.93	−17 40 30.3	20.4		704
1997 HS_7		1997 05 05.39560	14 25 28.07	−17 40 28.6	20.7		704

1997 HT_7	*	1997 04 30.20656	14 31 16.05	−17 28 29.5	19.3	704
1997 HT_7		1997 04 30.25126	14 31 13.53	−17 28 07.5	19.5	704
1997 HT_7		1997 04 30.27374	14 31 12.15	−17 27 57.9	19.7	704
1997 HT_7		1997 04 30.29634	14 31 10.87	−17 27 46.3	19.8	704
1997 HT_7		1997 05 01.21267	14 30 21.53	−17 20 19.2	18.5	704
1997 HT_7		1997 05 01.23504	14 30 20.28	−17 20 09.0	19.3	704
1997 HT_7		1997 05 01.25750	14 30 18.98	−17 19 58.1	19.3	704
1997 HT_7		1997 05 01.27995	14 30 17.65	−17 19 46.7	18.7	704
1997 HT_7		1997 05 01.30247	14 30 16.36	−17 19 35.6	18.6	704
1997 HU_7	*	1997 04 30.20673	14 30 22.91	−16 52 05.7	19.1	704
1997 HU_7		1997 04 30.22902	14 30 20.93	−16 52 15.4	19.9	704
1997 HU_7		1997 04 30.25142	14 30 19.00	−16 52 25.8	19.6	704
1997 HU_7		1997 04 30.27390	14 30 17.01	−16 52 35.2	19.7	704
1997 HU_7		1997 04 30.29651	14 30 15.00	−16 52 46.0	19.5	704
1997 HU_7		1997 05 01.21171	14 28 56.82	−16 59 35.9	19.2	704
1997 HU_7		1997 05 01.23407	14 28 54.70	−16 59 46.1	20.1	704
1997 HU_7		1997 05 01.25653	14 28 52.85	−16 59 56.8	20.0	704
1997 HU_7		1997 05 01.27899	14 28 50.91	−17 00 06.2	19.6	704
1997 HU_7		1997 05 01.30151	14 28 48.95	−17 00 16.4	19.8	704
1997 HV_7	*	1997 04 30.20689	14 30 46.08	−16 22 30.9	19.5	704
1997 HV_7		1997 04 30.22918	14 30 44.67	−16 22 26.0	19.7	704
1997 HV_7		1997 04 30.25158	14 30 43.31	−16 22 23.3	19.3	704
1997 HV_7		1997 04 30.27406	14 30 41.88	−16 22 18.0	20.0	704
1997 HV_7		1997 04 30.29667	14 30 40.34	−16 22 13.9	19.8	704
1997 HV_7		1997 05 01.21156	14 29 44.64	−16 19 10.0	19.1	704
1997 HV_7		1997 05 01.23391	14 29 43.15	−16 19 05.1	19.6	704
1997 HV_7		1997 05 01.25637	14 29 41.56	−16 19 00.2	19.9	704
1997 HV_7		1997 05 01.27882	14 29 40.27	−16 18 55.6	19.8	704
1997 HV_7		1997 05 01.30134	14 29 38.94	−16 18 51.7	19.5	704
1997 HW_7	*	1997 04 30.20689	14 32 08.49	−16 15 34.7	19.8	704
1997 HW_7		1997 04 30.22918	14 32 07.30	−16 15 29.5	19.9	704
1997 HW_7		1997 04 30.25158	14 32 06.11	−16 15 23.6	19.7	704
1997 HW_7		1997 04 30.27406	14 32 04.86	−16 15 16.3	19.7	704
1997 HW_7		1997 04 30.29667	14 32 03.66	−16 15 12.5	19.9	704
1997 HW_7		1997 05 01.21299	14 31 16.34	−16 10 50.1	19.4	704
1997 HW_7		1997 05 01.23536	14 31 15.12	−16 10 44.2	19.5	704
1997 HW_7		1997 05 01.25782	14 31 13.92	−16 10 37.6	19.7	704
1997 HW_7		1997 05 01.28027	14 31 12.76	−16 10 32.1	19.7	704
1997 HW_7		1997 05 01.30279	14 31 11.54	−16 10 25.8	19.2	704
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1997 HX_7		1997 04 30.22918	14 32 09.04	−16 19 35.9	18.7	704
1997 HX_7		1997 04 30.25158	14 32 07.88	−16 19 22.5	18.7	704
1997 HX_7		1997 04 30.27406	14 32 06.68	−16 19 09.1	18.8	704
1997 HX_7		1997 04 30.29667	14 32 05.54	−16 18 55.8	18.8	704
1997 HX_7		1997 05 01.21299	14 31 19.21	−16 09 40.6	18.7	704
1997 HX_7		1997 05 01.23536	14 31 18.03	−16 09 27.1	18.5	704
1997 HX_7		1997 05 01.25782	14 31 16.84	−16 09 13.9	18.2	704
1997 HX_7		1997 05 01.28027	14 31 15.66	−16 09 00.1	18.2	704
1997 HX_7		1997 05 01.30279	14 31 14.48	−16 08 46.6		704
1997 HX_7		1997 05 05.33001	14 27 51.12	−15 27 49.2		704
1997 HX_7		1997 05 05.34737	14 27 50.20	−15 27 38.4		704
1997 HX_7		1997 05 05.36473	14 27 49.31	−15 27 27.8	18.3	704
1997 HX_7		1997 05 05.38210	14 27 48.41	−15 27 16.8	18.3	704
1997 HX_7		1997 05 05.39946	14 27 47.50	−15 27 06.3		704
1997 HY_7	*	1997 04 30.20720	14 30 10.65	−14 54 18.3	19.6	704
1997 HY_7		1997 04 30.22950	14 30 09.57	−14 54 08.1	19.5	704
1997 HY_7		1997 04 30.27438	14 30 07.26	−14 53 47.9	19.4	704
1997 HY_7		1997 04 30.29699	14 30 05.95	−14 53 35.9	19.7	704
1997 HY_7		1997 05 01.21124	14 29 22.59	−14 46 24.6	19.5	704
1997 HY_7		1997 05 01.23360	14 29 21.52	−14 46 14.4	19.7	704
1997 HY_7		1997 05 01.25606	14 29 20.40	−14 46 05.1	19.8	704
1997 HY_7		1997 05 01.27850	14 29 19.20	−14 45 53.5	20.0	704
1997 HY_7		1997 05 01.30102	14 29 18.12	−14 45 43.5	19.2	704
1997 HZ_7	*	1997 04 30.20720	14 30 35.41	−15 12 31.3	19.3	704
1997 HZ_7		1997 04 30.22950	14 30 34.24	−15 12 24.0	19.2	704
1997 HZ_7		1997 04 30.27438	14 30 31.88	−15 12 10.2	19.8	704
1997 HZ_7		1997 04 30.29699	14 30 30.46	−15 12 02.0	20.0	704
1997 HZ_7		1997 05 01.21124	14 29 44.60	−15 07 03.4	19.3	704
1997 HZ_7		1997 05 01.23360	14 29 43.35	−15 06 56.9	19.6	704
1997 HZ_7		1997 05 01.25606	14 29 42.13	−15 06 49.6	19.9	704
1997 HZ_7		1997 05 01.27850	14 29 41.03	−15 06 41.4	19.9	704
1997 HZ_7		1997 05 01.30102	14 29 39.88	−15 06 36.3	19.8	704
1997 HA_8	*	1997 04 30.20736	14 29 50.80	−14 32 27.7	19.9	704
1997 HA_8		1997 04 30.22967	14 29 49.64	−14 32 17.5	19.9	704
1997 HA_8		1997 04 30.25206	14 29 48.66	−14 32 07.8	19.6	704
1997 HA_8		1997 04 30.27454	14 29 47.48	−14 31 56.5	19.9	704
1997 HA_8		1997 04 30.29715	14 29 46.38	−14 31 46.2	20.0	704
1997 HA_8		1997 05 01.21108	14 29 04.82	−14 24 49.0	19.1	704
1997 HA_8		1997 05 01.23344	14 29 03.82	−14 24 37.9	19.9	704
1997 HA_8		1997 05 01.25590	14 29 02.82	−14 24 28.6	19.6	704
1997 HA_8		1997 05 01.27834	14 29 01.74	−14 24 17.0	19.3	704
1997 HA_8		1997 05 01.30086	14 29 00.65	−14 24 07.6	19.7	704
1997 HB_8	*	1997 04 30.20736	14 30 08.98	−14 30 16.7	19.3	704
1997 HB_8		1997 04 30.25206	14 30 06.44	−14 30 05.1	19.2	704
1997 HB_8		1997 04 30.27454	14 30 05.21	−14 30 00.0	19.4	704
1997 HB_8		1997 04 30.29715	14 30 03.79	−14 29 53.8	19.9	704
1997 HB_8		1997 05 01.21108	14 29 14.79	−14 26 03.1	19.2	704
1997 HB_8		1997 05 01.23344	14 29 13.56	−14 25 54.9	20.0	704
1997 HB_8		1997 05 01.25590	14 29 12.28	−14 25 52.0	19.4	704
1997 HB_8		1997 05 01.27834	14 29 11.01	−14 25 46.1	19.3	704
1997 HB_8		1997 05 01.30086	14 29 09.78	−14 25 40.6	19.5	704
1997 HC_8	*	1997 04 30.20736	14 31 56.74	−14 25 30.1	19.6	704
1997 HC_8		1997 04 30.22967	14 31 55.23	−14 25 23.7	20.2	704
1997 HC_8		1997 04 30.25206	14 31 53.83	−14 25 16.8	20.1	704
1997 HC_8		1997 04 30.27454	14 31 52.28	−14 25 12.8	20.1	704
1997 HC_8		1997 04 30.29715	14 31 50.77	−14 25 06.0	19.6	704
1997 HC_8		1997 05 01.21347	14 30 52.27	−14 20 47.6	19.0	704
1997 HC_8		1997 05 01.23585	14 30 50.86	−14 20 42.7	20.0	704
1997 HC_8		1997 05 01.25831	14 30 49.31	−14 20 35.4	19.7	704
1997 HC_8		1997 05 01.28076	14 30 47.78	−14 20 29.2	19.3	704
1997 HC_8		1997 05 01.30328	14 30 46.30	−14 20 23.2	19.6	704
1997 HD_8	*	1997 04 30.20752	14 31 17.66	−14 00 02.8	19.8	704
1997 HD_8		1997 04 30.22983	14 31 16.46	−13 59 58.9	19.6	704
1997 HD_8		1997 04 30.25222	14 31 15.31	−13 59 56.6	19.3	704

1997 HD_8		1997 04 30.27469	14 31 14.25	−13 59 52.6	19.7	704	1997 HJ_8	*	1997 04 30.20784	14 30 39.88	−12 29 43.6	19.7	704
1997 HD_8		1997 04 30.29732	14 31 13.15	−13 59 53.0	19.7	704	1997 HJ_8		1997 04 30.23015	14 30 38.64	−12 29 36.6	20.1	704
1997 HD_8		1997 05 01.21363	14 30 28.31	−13 58 00.6	19.2	704	1997 HJ_8		1997 04 30.25254	14 30 37.27	−12 29 28.5	20.0	704
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1997 HD_8		1997 05 01.25847	14 30 26.02	−13 57 56.1	19.7	704	1997 HJ_8		1997 05 01.21061	14 29 42.18	−12 24 31.0	19.7	704
1997 HD_8		1997 05 01.28092	14 30 24.89	−13 57 52.7	19.6	704	1997 HJ_8		1997 05 01.23297	14 29 40.80	−12 24 24.5	20.2	704
1997 HD_8		1997 05 01.30344	14 30 23.73	−13 57 49.4	19.4	704	1997 HJ_8		1997 05 01.25543	14 29 39.50	−12 24 18.5	20.2	704
1997 HD_8		1997 05 05.32731	14 27 07.43	−13 49 45.2	19.3	704	1997 HJ_8		1997 05 01.30038	14 29 36.75	−12 24 04.9	20.2	704
1997 HD_8		1997 05 05.34468	14 27 06.54	−13 49 42.4	19.6	704	1997 HJ_8		1997 05 05.32789	14 25 45.55	−12 03 19.2	20.2	704
1997 HD_8		1997 05 05.36204	14 27 05.62	−13 49 40.5	20.1	704	1997 HJ_8		1997 05 05.34525	14 25 44.46	−12 03 15.5	20.5	704
1997 HD_8		1997 05 05.37939	14 27 04.78	−13 49 38.0	19.7	704	1997 HJ_8		1997 05 05.36262	14 25 43.54	−12 03 09.6	20.0	704
1997 HD_8		1997 05 05.39675	14 27 03.85	−13 49 36.6	19.6	704	1997 HJ_8		1997 05 05.37998	14 25 42.47	−12 03 04.8	20.5	704
1997 HE_8	*	1997 04 30.20768	14 29 57.91	−12 59 53.7	19.8	704	1997 HJ_8		1997 05 05.39733	14 25 41.35	−12 02 59.2	20.4	704
1997 HE_8		1997 04 30.22998	14 29 56.88	−12 59 48.3	20.2	704	1997 HK_8	*	1997 04 30.20800	14 31 23.25	−11 42 35.8	19.5	704
1997 HE_8		1997 04 30.25238	14 29 55.78	−12 59 44.1	20.3	704	1997 HK_8		1997 04 30.23030	14 31 21.95	−11 42 29.3	20.0	704
1997 HE_8		1997 04 30.27485	14 29 54.70	−12 59 37.1	19.8	704	1997 HK_8		1997 04 30.25270	14 31 20.58	−11 42 21.4	19.6	704
1997 HE_8		1997 05 01.23313	14 29 11.15	−12 55 55.6	20.5	704	1997 HK_8		1997 04 30.27517	14 31 19.27	−11 42 15.2	19.7	704
1997 HE_8		1997 05 01.25559	14 29 10.07	−12 55 48.5	20.2	704	1997 HK_8		1997 05 01.21410	14 30 25.55	−11 37 10.1	19.5	704
1997 HE_8		1997 05 01.27803	14 29 09.07	−12 55 44.4	20.1	704	1997 HK_8		1997 05 01.23649	14 30 24.32	−11 37 02.2	20.0	704
1997 HE_8		1997 05 01.30054	14 29 07.96	−12 55 39.0	20.0	704	1997 HK_8		1997 05 01.25895	14 30 22.95	−11 36 55.8	19.8	704
1997 HE_8		1997 05 05.32770	14 26 04.96	−12 40 06.1	19.9	704	1997 HK_8		1997 05 01.28139	14 30 21.57	−11 36 47.8	19.9	704
1997 HE_8		1997 05 05.34506	14 26 04.24	−12 40 01.4	20.4	704	1997 HK_8		1997 05 01.30393	14 30 20.19	−11 36 40.7	20.0	704
1997 HE_8		1997 05 05.36242	14 26 03.35	−12 39 57.8	20.5	704	1997 HK_8		1997 05 05.32809	14 26 29.95	−11 15 10.2	20.0	704
1997 HE_8		1997 05 05.37978	14 26 02.57	−12 39 53.5	20.5	704	1997 HK_8		1997 05 05.34545	14 26 29.07	−11 15 05.2	20.6	704
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1997 HF_8	*	1997 04 30.20768	14 30 04.17	−13 06 40.5	19.9	704	1997 HK_8		1997 05 05.38017	14 26 27.04	−11 14 53.7	19.9	704
1997 HF_8		1997 04 30.22998	14 30 02.87	−13 06 32.3	20.5	704	1997 HL_8		1997 04 30.20800	14 29 59.52	−11 35 28.4	19.0	704
1997 HF_8		1997 04 30.25238	14 30 01.73	−13 06 23.0	20.1	704	1997 HL_8	*	1997 04 30.20815	14 29 59.44	−11 35 28.7	20.2	704
1997 HF_8		1997 04 30.27485	14 30 00.49	−13 06 13.7	20.0	704	1997 HL_8		1997 04 30.23030	14 29 58.26	−11 35 20.8	19.8	704
1997 HF_8		1997 05 01.21077	14 29 12.78	−13 00 20.8	19.8	704	1997 HL_8		1997 04 30.23046	14 29 58.21	−11 35 19.4	20.1	704
1997 HF_8		1997 05 01.23313	14 29 11.56	−13 00 12.1	20.4	704	1997 HL_8		1997 04 30.25270	14 29 57.09	−11 35 11.8	19.3	704
1997 HF_8		1997 05 01.25559	14 29 10.40	−13 00 04.3	20.1	704	1997 HL_8		1997 04 30.25287	14 29 56.98	−11 35 12.6	20.2	704
1997 HF_8		1997 05 01.27803	14 29 09.22	−12 59 55.4	20.3	704	1997 HL_8		1997 04 30.27517	14 29 55.86	−11 35 03.8	19.2	704
1997 HF_8		1997 05 01.30054	14 29 07.87	−12 59 47.8	20.4	704	1997 HL_8		1997 04 30.27534	14 29 55.85	−11 35 05.1	19.9	704
1997 HG_8	*	1997 04 30.20768	14 32 07.26	−13 01 17.3	20.0	704	1997 HL_8		1997 04 30.29781	14 29 54.48	−11 34 56.7	20.2	704
1997 HG_8		1997 04 30.22998	14 32 05.95	−13 01 15.8	20.5	704	1997 HL_8		1997 05 05.32809	14 25 36.23	−11 06 34.8	19.2	704
1997 HG_8		1997 04 30.25238	14 32 04.48	−13 01 13.2	20.0	704	1997 HL_8		1997 05 05.34545	14 25 35.28	−11 06 29.5	19.9	704
1997 HG_8		1997 04 30.27485	14 32 03.17	−13 01 10.9	20.2	704	1997 HL_8		1997 05 05.36281	14 25 34.38	−11 06 23.4	19.7	704
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1997 HG_8		1997 05 01.23616	14 31 07.10	−12 59 26.2	20.0	704	1997 HL_8		1997 05 05.39753	14 25 32.56	−11 06 12.5	19.9	704
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1997 HG_8		1997 05 01.28108	14 31 04.31	−12 59 20.9	19.9	704	1997 HM_8		1997 04 30.23094	14 33 14.19	−11 06 19.8	20.1	704
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1997 HH_8	*	1997 04 30.20784	14 30 09.37	−12 38 55.6	20.1	704	1997 HM_8		1997 04 30.27581	14 33 12.21	−11 06 01.9	20.1	704
1997 HH_8		1997 04 30.23015	14 30 08.03	−12 38 54.0	20.1	704	1997 HM_8		1997 05 01.21474	14 32 30.89	−11 00 15.9	20.0	704
1997 HH_8		1997 04 30.25254	14 30 06.71	−12 38 51.8	20.0	704	1997 HM_8		1997 05 01.23713	14 32 29.93	−11 00 05.5	20.5	704
1997 HH_8		1997 04 30.27501	14 30 05.35	−12 38 51.0	20.0	704	1997 HM_8		1997 05 01.25959	14 32 28.91	−10 59 59.4	20.3	704
1997 HH_8		1997 05 01.21061	14 29 11.31	−12 38 09.9	19.3	704	1997 HM_8		1997 05 01.28204	14 32 27.85	−10 59 50.3	20.4	704
1997 HH_8		1997 05 01.23297	14 29 09.91	−12 38 07.7	19.9	704	1997 HM_8		1997 05 01.30457	14 32 26.86	−10 59 41.0	20.0	704
1997 HH_8		1997 05 01.25543	14 29 08.63	−12 38 07.6	19.8	704	1997 HN_8	*	1997 04 30.20862	14 33 34.22	−11 08 18.4	18.6	704
1997 HH_8		1997 05 01.27786	14 29 07.27	−12 38 06.9	19.9	704	1997 HN_8		1997 04 30.23094	14 33 32.80	−11 08 17.6	19.4	704
1997 HH_8		1997 05 01.30038	14 29 05.85	−12 38 05.8	20.0	704	1997 HN_8		1997 04 30.25334	14 33 31.40	−11 08 18.1	19.7	704

1997 HN_8		1997 04 30.27581	14 33 30.00	−11 08 16.6	19.4	704
1997 HN_8		1997 05 01.21474	14 32 32.45	−11 07 53.0	19.5	704
1997 HN_8		1997 05 01.23713	14 32 31.06	−11 07 51.4	20.0	704
1997 HN_8		1997 05 01.25959	14 32 29.67	−11 07 52.4	20.1	704
1997 HN_8		1997 05 01.28204	14 32 28.30	−11 07 49.8	20.1	704
1997 HN_8		1997 05 01.30457	14 32 26.86	−11 07 49.9	19.5	704
1997 HN_8		1997 05 05.32867	14 28 21.74	−11 06 21.9	18.9	704
1997 HN_8		1997 05 05.34602	14 28 20.70	−11 06 21.2	19.6	704
1997 HN_8		1997 05 05.36339	14 28 19.60	−11 06 21.2	19.5	704
1997 HN_8		1997 05 05.38075	14 28 18.52	−11 06 21.1	19.7	704
1997 HN_8		1997 05 05.39811	14 28 17.52	−11 06 20.8	19.8	704
1997 HO_8	*	1997 04 30.20862	14 34 03.31	−11 22 58.1	20.1	704
1997 HO_8		1997 04 30.23094	14 34 01.97	−11 22 48.6	20.1	704
1997 HO_8		1997 04 30.25334	14 34 00.91	−11 22 42.3	20.4	704
1997 HO_8		1997 04 30.27581	14 33 59.66	−11 22 34.4	20.1	704
1997 HO_8		1997 05 01.21474	14 33 11.58	−11 17 02.5	20.1	704
1997 HO_8		1997 05 01.23713	14 33 10.37	−11 16 53.4	20.5	704
1997 HO_8		1997 05 01.25959	14 33 09.27	−11 16 46.0	20.2	704
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1997 HP_8	*	1997 04 30.20878	14 32 18.39	−11 48 51.9	19.4	704
1997 HP_8		1997 04 30.23110	14 32 17.23	−11 48 44.0	19.8	704
1997 HP_8		1997 04 30.25350	14 32 15.99	−11 48 37.6	19.8	704
1997 HP_8		1997 04 30.27597	14 32 14.81	−11 48 29.0	19.8	704
1997 HP_8		1997 04 30.29861	14 32 13.73	−11 48 22.6	19.9	704
1997 HP_8		1997 05 01.21410	14 31 26.86	−11 43 40.7	18.8	704
1997 HP_8		1997 05 01.23649	14 31 25.63	−11 43 34.3	19.5	704
1997 HP_8		1997 05 01.25895	14 31 24.49	−11 43 26.8	19.8	704
1997 HP_8		1997 05 01.28139	14 31 23.28	−11 43 19.5	19.4	704
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1997 HP_8		1997 05 05.32867	14 27 56.90	−11 22 47.3	19.4	704
1997 HP_8		1997 05 05.34602	14 27 55.92	−11 22 42.4	20.1	704
1997 HP_8		1997 05 05.36339	14 27 55.10	−11 22 36.4	19.7	704
1997 HP_8		1997 05 05.38075	14 27 54.17	−11 22 31.6	20.1	704
1997 HP_8		1997 05 05.39811	14 27 53.16	−11 22 25.4	20.4	704
1997 HQ_8	*	1997 04 30.20894	14 32 38.91	−12 43 48.6	19.7	704
1997 HQ_8		1997 04 30.23126	14 32 37.59	−12 43 43.9	20.4	704
1997 HQ_8		1997 04 30.25366	14 32 36.30	−12 43 40.6	20.1	704
1997 HQ_8		1997 04 30.27613	14 32 35.06	−12 43 38.2	19.7	704
1997 HQ_8		1997 04 30.29876	14 32 33.72	−12 43 33.3	20.7	704
1997 HQ_8		1997 05 01.21394	14 31 43.19	−12 40 48.6	19.7	704
1997 HQ_8		1997 05 01.23633	14 31 41.95	−12 40 45.1	20.4	704
1997 HQ_8		1997 05 01.25879	14 31 40.56	−12 40 41.7	20.2	704
1997 HQ_8		1997 05 01.28124	14 31 39.32	−12 40 35.3	20.1	704
1997 HQ_8		1997 05 01.30376	14 31 37.99	−12 40 32.9	20.0	704
1997 HQ_8		1997 05 05.32904	14 27 55.82	−12 28 40.6	19.2	704
1997 HQ_8		1997 05 05.34641	14 27 54.83	−12 28 37.1	20.1	704
1997 HQ_8		1997 05 05.36377	14 27 53.82	−12 28 35.3	20.2	704
1997 HQ_8		1997 05 05.38113	14 27 52.81	−12 28 31.3	20.3	704
1997 HQ_8		1997 05 05.39850	14 27 51.81	−12 28 28.5	20.1	704
1997 HR_8	*	1997 04 30.20894	14 32 57.16	−12 35 50.8		704
1997 HR_8		1997 04 30.23126	14 32 55.67	−12 35 49.3	18.9	704
1997 HR_8		1997 04 30.25366	14 32 54.21	−12 35 47.5	18.6	704
1997 HR_8		1997 04 30.27613	14 32 52.74	−12 35 46.7	18.6	704
1997 HR_8		1997 04 30.29876	14 32 51.23	−12 35 44.3	19.8	704
1997 HR_8		1997 05 01.21394	14 31 53.60	−12 34 46.8	18.9	704
1997 HR_8		1997 05 01.23633	14 31 52.15	−12 34 45.5	19.3	704
1997 HR_8		1997 05 01.25879	14 31 50.63	−12 34 43.7	19.3	704
1997 HR_8		1997 05 01.28124	14 31 49.18	−12 34 42.7	19.0	704
1997 HR_8		1997 05 01.30376	14 31 47.70	−12 34 41.5	18.9	704
1997 HS_8	*	1997 04 30.20894	14 33 27.97	−12 30 31.2	19.5	704
1997 HS_8		1997 04 30.23126	14 33 27.00	−12 30 22.6	20.1	704
1997 HS_8		1997 04 30.25366	14 33 25.90	−12 30 14.8	20.3	704
1997 HS_8		1997 04 30.29876	14 33 23.76	−12 29 58.3	20.3	704
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1997 HS_8		1997 05 05.34622	14 29 19.22	−11 59 45.7		704
1997 HS_8		1997 05 05.36358	14 29 18.22	−11 59 39.0		704
1997 HS_8		1997 05 05.38094	14 29 17.24	−11 59 32.5		704
1997 HS_8		1997 05 05.39830	14 29 16.24	−11 59 25.6		704
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1997 HT_8		1997 04 30.23141	14 33 58.26	−13 10 36.1	19.9	704
1997 HT_8		1997 04 30.25383	14 33 57.03	−13 10 34.7	19.8	704
1997 HT_8		1997 04 30.27629	14 33 55.61	−13 10 33.5	19.9	704
1997 HT_8		1997 04 30.29892	14 33 54.21	−13 10 33.6	20.0	704
1997 HT_8		1997 05 01.21521	14 33 01.22	−13 09 42.1	19.1	704
1997 HT_8		1997 05 01.23762	14 32 59.93	−13 09 40.8	19.9	704
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1997 HT_8		1997 05 01.30505	14 32 55.76	−13 09 37.2	19.8	704
1997 HU_8	*	1997 04 30.20927	14 33 01.09	−13 41 50.5	19.4	704
1997 HU_8		1997 04 30.23157	14 32 59.64	−13 41 45.4	20.1	704
1997 HU_8		1997 04 30.25399	14 32 58.22	−13 41 41.3	19.6	704
1997 HU_8		1997 04 30.27644	14 32 56.72	−13 41 36.3	20.0	704
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1997 HU_8		1997 05 01.21363	14 31 59.42	−13 38 14.8	19.5	704
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1997 HU_8		1997 05 01.28092	14 31 55.25	−13 38 00.2	20.0	704
1997 HU_8		1997 05 01.30344	14 31 53.71	−13 37 56.5	19.5	704
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1997 HV_8		1997 04 30.23157	14 33 17.39	−13 49 02.1	19.3	704
1997 HV_8		1997 04 30.25399	14 33 16.28	−13 48 58.0	19.3	704
1997 HV_8		1997 04 30.27644	14 33 15.15	−13 48 53.3	19.0	704
1997 HV_8		1997 04 30.29907	14 33 14.13	−13 48 48.7	19.8	704
1997 HV_8		1997 05 01.21536	14 32 29.91	−13 45 49.8	18.8	704
1997 HV_8		1997 05 01.23778	14 32 28.77	−13 45 45.6	19.6	704
1997 HV_8		1997 05 01.28269	14 32 26.52	−13 45 36.4	19.0	704
1997 HV_8		1997 05 01.30521	14 32 25.41	−13 45 31.9	19.1	704
1997 HV_8		1997 05 05.32943	14 29 12.21	−13 32 30.2	18.9	704
1997 HV_8		1997 05 05.34680	14 29 11.40	−13 32 26.2	19.6	704
1997 HV_8		1997 05 05.36415	14 29 10.51	−13 32 23.1	19.5	704
1997 HV_8		1997 05 05.38152	14 29 09.65	−13 32 20.4	19.6	704
1997 HV_8		1997 05 05.39888	14 29 08.78	−13 32 16.9	19.6	704
1997 HW_8	*	1997 04 30.20943	14 32 44.06	−14 33 42.9	19.6	704
1997 HW_8		1997 04 30.23173	14 32 42.69	−14 33 37.1	20.0	704
1997 HW_8		1997 04 30.25415	14 32 41.21	−14 33 32.7	19.5	704

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1997 HW_8		1997 04 30.29923	14 32 38.23	−14 33 23.1	20.3	704	1997 HB_9		1997 05 01.28350	14 33 46.46	−16 43 14.7	18.7	704
1997 HW_8		1997 05 01.21347	14 31 43.15	−14 30 00.3	19.5	704	1997 HB_9		1997 05 01.30601	14 33 45.22	−16 43 14.8	18.3	704
1997 HW_8		1997 05 01.23585	14 31 41.75	−14 29 55.5	20.5	704	1997 HC_9	*	1997 04 30.21022	14 32 31.70	−17 39 28.3	19.3	704
1997 HW_8		1997 05 01.25831	14 31 40.27	−14 29 50.5	19.8	704	1997 HC_9		1997 04 30.23253	14 32 30.17	−17 39 25.3	19.7	704
1997 HW_8		1997 05 01.28076	14 31 38.95	−14 29 45.0	19.8	704	1997 HC_9		1997 04 30.25496	14 32 28.80	−17 39 21.4	20.0	704
1997 HW_8		1997 05 01.30328	14 31 37.35	−14 29 40.6	20.4	704	1997 HC_9		1997 04 30.30002	14 32 25.63	−17 39 17.2	20.0	704
1997 HX_8	*	1997 04 30.20943	14 33 38.85	−14 34 59.6	19.4	704	1997 HC_9		1997 05 01.21267	14 31 29.92	−17 37 05.5	19.5	704
1997 HX_8		1997 04 30.23173	14 33 37.85	−14 34 53.7	20.2	704	1997 HC_9		1997 05 01.23504	14 31 28.39	−17 37 02.2	19.9	704
1997 HX_8		1997 04 30.25415	14 33 36.90	−14 34 48.2	20.2	704	1997 HC_9		1997 05 01.25750	14 31 27.03	−17 36 59.8	20.1	704
1997 HX_8		1997 04 30.27660	14 33 35.79	−14 34 44.1	20.4	704	1997 HC_9		1997 05 01.27995	14 31 25.54	−17 36 56.9	19.5	704
1997 HX_8		1997 05 01.21552	14 32 53.23	−14 31 13.5	19.6	704	1997 HD_9		1997 04 08.35206	14 50 44.98	−18 48 08.0		704
1997 HX_8		1997 05 01.23793	14 32 52.24	−14 31 09.5	19.8	704	1997 HD_9		1997 04 08.42717	14 50 42.24	−18 47 57.2		704
1997 HX_8		1997 05 01.26038	14 32 51.16	−14 31 03.9	19.9	704	1997 HD_9	*	1997 04 30.21022	14 33 32.96	−17 25 52.0	18.8	704
1997 HX_8		1997 05 01.28285	14 32 50.07	−14 30 58.5	19.5	704	1997 HD_9		1997 04 30.23253	14 33 31.67	−17 25 45.4	18.8	704
1997 HX_8		1997 05 01.30537	14 32 49.06	−14 30 53.8	19.5	704	1997 HD_9		1997 04 30.25496	14 33 30.40	−17 25 38.9	18.6	704
1997 HY_8	*	1997 04 30.20943	14 33 44.65	−14 08 12.7	18.6	704	1997 HD_9		1997 04 30.27739	14 33 29.08	−17 25 32.3	18.9	704
1997 HY_8		1997 04 30.23173	14 33 43.59	−14 08 09.3	19.1	704	1997 HD_9		1997 04 30.30002	14 33 27.78	−17 25 25.9	18.8	704
1997 HY_8		1997 04 30.25415	14 33 42.52	−14 08 05.5	19.4	704	1997 HD_9		1997 05 01.21631	14 32 37.51	−17 20 56.8	18.3	704
1997 HY_8		1997 04 30.27660	14 33 41.44	−14 08 01.7	19.4	704	1997 HD_9		1997 05 01.23874	14 32 36.24	−17 20 50.2	18.6	704
1997 HY_8		1997 04 30.29923	14 33 40.40	−14 07 58.8	19.4	704	1997 HD_9		1997 05 01.26117	14 32 34.94	−17 20 43.8	18.9	704
1997 HY_8		1997 05 01.21552	14 32 57.96	−14 05 38.6	18.6	704	1997 HD_9		1997 05 01.28365	14 32 33.61	−17 20 36.8	18.7	704
1997 HY_8		1997 05 01.23793	14 32 56.95	−14 05 35.1	19.5	704	1997 HD_9		1997 05 01.30618	14 32 32.32	−17 20 30.0	18.8	704
1997 HY_8		1997 05 01.26038	14 32 55.85	−14 05 31.4	19.6	704	1997 HD_9		1997 05 05.33040	14 28 50.31	−17 00 16.1	18.8	704
1997 HY_8		1997 05 01.28285	14 32 54.77	−14 05 28.9	19.7	704	1997 HD_9		1997 05 05.34776	14 28 49.32	−17 00 10.6	19.1	704
1997 HY_8		1997 05 01.30537	14 32 53.72	−14 05 24.4	18.6	704	1997 HD_9		1997 05 05.36512	14 28 48.30	−17 00 04.9	19.4	704
1997 HZ_8	*	1997 04 30.20975	14 32 38.96	−15 25 27.4	19.3	704	1997 HD_9		1997 05 05.38248	14 28 47.29	−17 00 00.5	19.7	704
1997 HZ_8		1997 04 30.23204	14 32 37.87	−15 25 22.7	19.4	704	1997 HD_9		1997 05 05.39984	14 28 46.34	−16 59 54.2	19.7	704
1997 HZ_8		1997 04 30.25447	14 32 36.62	−15 25 19.8	19.8	704	1997 HE_9	*	1997 04 30.21038	14 32 45.37	−17 56 22.0	20.0	704
1997 HZ_8		1997 04 30.27692	14 32 35.53	−15 25 14.7	19.4	704	1997 HE_9		1997 04 30.23269	14 32 44.19	−17 56 17.2	20.2	704
1997 HZ_8		1997 04 30.29955	14 32 34.12	−15 25 10.3	19.5	704	1997 HE_9		1997 04 30.25512	14 32 43.01	−17 56 13.5	19.4	704
1997 HZ_8		1997 05 01.21315	14 31 47.99	−15 22 12.5	19.6	704	1997 HE_9		1997 04 30.27755	14 32 41.91	−17 56 09.5	19.6	704
1997 HZ_8		1997 05 01.23552	14 31 46.77	−15 22 07.4	19.9	704	1997 HE_9		1997 04 30.30017	14 32 40.78	−17 56 06.1	19.8	704
1997 HZ_8		1997 05 01.28043	14 31 44.41	−15 21 58.1	19.5	704	1997 HE_9		1997 05 01.23487	14 31 54.60	−17 53 17.1	19.9	704
1997 HZ_8		1997 05 01.30295	14 31 43.04	−15 21 54.7	20.1	704	1997 HE_9		1997 05 01.25733	14 31 53.41	−17 53 11.1	20.1	704
1997 HA_9	*	1997 04 30.21006	14 34 23.54	−16 50 19.0	19.0	704	1997 HE_9		1997 05 01.27979	14 31 52.37	−17 53 07.5	19.8	704
1997 HA_9		1997 04 30.23236	14 34 22.33	−16 50 17.4	19.3	704	1997 HE_9		1997 05 01.30231	14 31 51.17	−17 53 04.9	19.3	704
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1997 HA_9		1997 04 30.27724	14 34 19.79	−16 50 14.7	20.2	704	1997 HE_9		1997 05 05.36531	14 28 30.84	−17 40 26.1	20.3	704
1997 HA_9		1997 04 30.29986	14 34 18.63	−16 50 13.1	19.5	704	1997 HE_9		1997 05 05.38267	14 28 29.96	−17 40 22.6	20.5	704
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1997 HA_9		1997 05 01.23858	14 33 28.12	−16 49 03.4	19.3	704	1997 HF_9	*	1997 04 30.21038	14 32 47.82	−18 00 03.4	18.9	704
1997 HA_9		1997 05 01.26101	14 33 26.86	−16 49 02.4	19.3	704	1997 HF_9		1997 04 30.23269	14 32 46.61	−17 59 54.0	19.5	704
1997 HA_9		1997 05 01.28350	14 33 25.59	−16 49 00.0	19.1	704	1997 HF_9		1997 04 30.25512	14 32 45.41	−17 59 43.9	19.3	704
1997 HA_9		1997 05 01.30601	14 33 24.33	−16 48 58.7	19.0	704	1997 HF_9		1997 04 30.27755	14 32 44.22	−17 59 33.6	19.3	704
1997 HB_9	*	1997 04 30.21006	14 34 42.53	−16 43 04.2	18.5	704	1997 HF_9		1997 04 30.30017	14 32 43.06	−17 59 24.2	19.4	704
1997 HB_9		1997 04 30.23236	14 34 41.29	−16 43 04.8	18.9	704	1997 HF_9		1997 05 01.21251	14 31 56.69	−17 52 44.7	19.0	704
1997 HB_9		1997 04 30.25480	14 34 40.08	−16 43 05.8	18.8	704	1997 HF_9		1997 05 01.23487	14 31 55.52	−17 52 34.6	19.4	704
1997 HB_9		1997 04 30.27724	14 34 38.81	−16 43 05.4	18.9	704	1997 HF_9		1997 05 01.25733	14 31 54.31	−17 52 24.8	19.2	704
1997 HB_9		1997 04 30.29986	14 34 37.59	−16 43 05.7	19.0	704	1997 HF_9		1997 05 01.27979	14 31 53.14	−17 52 16.0	19.4	704
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1997 HB_9		1997 05 01.23858	14 33 48.96	−16 43 13.7	19.2	704	1997 HF_9		1997 05 05.33059	14 28 27.68	−17 22 13.5	18.8	704

1997 HF_9		1997 05 05.34795	14 28 26.75	−17 22 05.5	19.4	704
1997 HF_9		1997 05 05.36531	14 28 25.86	−17 21 57.4	19.7	704
1997 HF_9		1997 05 05.38267	14 28 24.97	−17 21 49.9	19.9	704
1997 HF_9		1997 05 05.40004	14 28 24.02	−17 21 41.6	19.4	704
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1997 HG_9		1997 04 30.23269	14 32 57.75	−17 54 52.0	20.2	704
1997 HG_9		1997 04 30.25512	14 32 56.20	−17 54 41.1	19.4	704
1997 HG_9		1997 04 30.27755	14 32 54.76	−17 54 29.1	19.1	704
1997 HG_9		1997 04 30.30017	14 32 53.30	−17 54 17.5	19.5	704
1997 HG_9		1997 05 01.21267	14 31 59.19	−17 46 21.7	20.0	704
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1997 HG_9		1997 05 01.25750	14 31 56.57	−17 46 03.7	20.5	704
1997 HG_9		1997 05 01.27995	14 31 55.19	−17 45 51.3	20.1	704
1997 HH_9	*	1997 04 30.21054	14 33 01.13	−18 29 32.7	19.7	704
1997 HH_9		1997 04 30.23285	14 32 59.83	−18 29 25.6	20.1	704
1997 HH_9		1997 04 30.25529	14 32 58.61	−18 29 20.8	19.4	704
1997 HH_9		1997 04 30.27771	14 32 57.34	−18 29 15.9	19.5	704
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1997 HH_9		1997 05 01.23471	14 32 06.64	−18 25 13.2	20.2	704
1997 HH_9		1997 05 01.25717	14 32 05.39	−18 25 07.7	20.1	704
1997 HH_9		1997 05 01.27962	14 32 04.20	−18 25 00.6	19.8	704
1997 HJ_9	*	1997 04 30.21054	14 33 33.00	−18 37 34.0	19.3	704
1997 HJ_9		1997 04 30.23285	14 33 31.57	−18 37 31.3	20.1	704
1997 HJ_9		1997 04 30.25529	14 33 30.18	−18 37 28.7	19.5	704
1997 HJ_9		1997 04 30.27771	14 33 28.71	−18 37 23.8	19.7	704
1997 HJ_9		1997 04 30.30033	14 33 27.16	−18 37 21.2	19.7	704
1997 HJ_9		1997 05 01.21664	14 32 30.41	−18 34 56.9	19.2	704
1997 HJ_9		1997 05 01.23905	14 32 29.04	−18 34 53.0	20.1	704
1997 HJ_9		1997 05 01.26148	14 32 27.56	−18 34 50.1	19.7	704
1997 HJ_9		1997 05 01.28398	14 32 26.14	−18 34 46.4	19.4	704
1997 HK_9	*	1997 04 30.21054	14 33 44.50	−18 38 44.4	18.9	704
1997 HK_9		1997 04 30.23285	14 33 43.23	−18 38 35.5	19.4	704
1997 HK_9		1997 04 30.25529	14 33 42.01	−18 38 27.6	19.0	704
1997 HK_9		1997 04 30.27771	14 33 40.82	−18 38 19.0	19.1	704
1997 HK_9		1997 04 30.30033	14 33 39.52	−18 38 11.5	19.4	704
1997 HK_9		1997 05 01.21664	14 32 51.29	−18 32 22.4	18.9	704
1997 HK_9		1997 05 01.23905	14 32 50.03	−18 32 14.0	19.4	704
1997 HK_9		1997 05 01.26148	14 32 48.77	−18 32 06.0	19.2	704
1997 HK_9		1997 05 01.28398	14 32 47.55	−18 31 57.0	19.5	704
1997 HK_9		1997 05 01.30649	14 32 46.31	−18 31 48.3	19.4	704
1997 HL_9	*	1997 04 30.21086	14 35 02.54	−17 57 02.5	18.9	704
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1997 HL_9		1997 04 30.25560	14 34 59.80	−17 56 48.8	19.2	704
1997 HL_9		1997 04 30.27802	14 34 58.38	−17 56 42.0	19.2	704
1997 HL_9		1997 04 30.30064	14 34 56.94	−17 56 35.0	19.3	704
1997 HL_9		1997 05 01.21648	14 34 02.52	−17 51 57.8	19.0	704
1997 HL_9		1997 05 01.23890	14 34 01.09	−17 51 51.3	19.5	704
1997 HL_9		1997 05 01.26133	14 33 59.76	−17 51 44.7	20.1	704
1997 HL_9		1997 05 01.28381	14 33 58.29	−17 51 37.4	19.3	704
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1997 HL_9		1997 05 05.33156	14 29 55.34	−17 30 27.0	19.4	704
1997 HL_9		1997 05 05.34892	14 29 54.31	−17 30 20.8	19.5	704
1997 HL_9		1997 05 05.36628	14 29 53.29	−17 30 15.2	19.6	704
1997 HL_9		1997 05 05.38364	14 29 52.12	−17 30 09.0	20.1	704
1997 HL_9		1997 05 05.40100	14 29 51.12	−17 30 03.9	19.6	704
1997 HM_9		1997 04 06.31683	14 53 15.78	−16 37 56.5	19.8	704
1997 HM_9		1997 04 06.41129	14 53 12.85	−16 37 59.8		704
1997 HM_9	*	1997 04 30.21134	14 34 52.68	−16 20 42.2	18.4	704
1997 HM_9		1997 04 30.23365	14 34 51.38	−16 20 39.7	19.3	704
1997 HM_9		1997 04 30.25608	14 34 50.00	−16 20 37.4	19.0	704
1997 HM_9		1997 04 30.27851	14 34 48.69	−16 20 35.2	19.0	704
1997 HM_9		1997 04 30.30112	14 34 47.32	−16 20 33.1	19.1	704
1997 HM_9		1997 05 01.21599	14 33 55.33	−16 19 05.0	18.6	704
1997 HM_9		1997 05 01.23842	14 33 53.97	−16 19 03.3	19.0	704
1997 HM_9		1997 05 01.26085	14 33 52.67	−16 19 00.8	19.0	704
1997 HM_9		1997 05 01.28333	14 33 51.27	−16 18 58.6	18.8	704
1997 HM_9		1997 05 01.30585	14 33 49.83	−16 18 57.4	19.5	704
1997 HM_9		1997 05 05.33194	14 29 58.98	−16 12 04.6	18.7	704
1997 HM_9		1997 05 05.34930	14 29 57.94	−16 12 03.4	19.1	704
1997 HM_9		1997 05 05.36666	14 29 56.99	−16 12 01.2	19.6	704
1997 HM_9		1997 05 05.38402	14 29 55.82	−16 11 59.0	19.3	704
1997 HM_9		1997 05 05.40138	14 29 54.86	−16 11 56.6	19.3	704
1997 HN_9	*	1997 04 30.21134	14 35 04.82	−16 12 03.9	18.8	704
1997 HN_9		1997 04 30.23365	14 35 03.61	−16 11 50.8	19.8	704
1997 HN_9		1997 04 30.25608	14 35 02.51	−16 11 37.3	19.5	704
1997 HN_9		1997 04 30.27851	14 35 01.34	−16 11 25.2	19.4	704
1997 HN_9		1997 04 30.30112	14 35 00.18	−16 11 11.9	19.5	704
1997 HN_9		1997 05 01.21599	14 34 14.33	−16 02 24.4	19.4	704
1997 HN_9		1997 05 01.23842	14 34 13.09	−16 02 10.8	19.6	704
1997 HN_9		1997 05 01.26085	14 34 11.90	−16 01 58.5	19.8	704
1997 HN_9		1997 05 01.28333	14 34 10.77	−16 01 45.2	19.5	704
1997 HN_9		1997 05 01.30585	14 34 09.65	−16 01 32.0	19.7	704
1997 HN_9		1997 05 05.33214	14 30 49.15	−15 22 47.2	19.5	704
1997 HN_9		1997 05 05.34950	14 30 48.24	−15 22 37.4	19.1	704
1997 HN_9		1997 05 05.36686	14 30 47.39	−15 22 28.1	19.5	704
1997 HN_9		1997 05 05.38422	14 30 46.52	−15 22 18.2	20.0	704
1997 HN_9		1997 05 05.40158	14 30 45.58	−15 22 06.9	19.8	704
1997 HO_9	*	1997 04 30.21150	14 36 07.94	−15 41 31.1	18.9	704
1997 HO_9		1997 04 30.23380	14 36 06.75	−15 41 24.4	19.6	704
1997 HO_9		1997 04 30.25625	14 36 05.82	−15 41 17.8	19.1	704
1997 HO_9		1997 04 30.27867	14 36 04.68	−15 41 11.2	19.2	704
1997 HO_9		1997 04 30.30128	14 36 03.51	−15 41 05.5	19.8	704
1997 HO_9		1997 05 01.21760	14 35 20.98	−15 36 33.7	19.2	704
1997 HO_9		1997 05 01.24002	14 35 19.90	−15 36 26.7	19.3	704
1997 HO_9		1997 05 01.26245	14 35 18.77	−15 36 20.6	19.4	704
1997 HO_9		1997 05 01.28492	14 35 17.73	−15 36 13.7	19.2	704
1997 HO_9		1997 05 01.30746	14 35 16.56	−15 36 07.4	19.7	704
1997 HP_9	*	1997 04 30.21150	14 36 30.44	−15 33 59.5	19.9	704
1997 HP_9		1997 04 30.23380	14 36 29.39	−15 33 48.0	20.2	704
1997 HP_9		1997 04 30.25625	14 36 28.26	−15 33 38.7	19.7	704
1997 HP_9		1997 04 30.27867	14 36 27.34	−15 33 29.4	19.7	704
1997 HP_9		1997 05 01.21760	14 35 45.64	−15 26 49.3	19.7	704
1997 HP_9		1997 05 01.24002	14 35 44.61	−15 26 39.5	20.3	704

1997 HP_9		1997 05 01.26245	14 35 43.62	−15 26 30.7	20.0	704
1997 HP_9		1997 05 01.28492	14 35 42.58	−15 26 19.1	20.2	704
1997 HP_9		1997 05 01.30746	14 35 41.45	−15 26 11.2	20.0	704
1997 HQ_9	*	1997 04 30.21166	14 37 07.38	−14 58 35.1	19.9	704
1997 HQ_9		1997 04 30.23396	14 37 05.89	−14 58 26.4	20.2	704
1997 HQ_9		1997 04 30.25641	14 37 04.75	−14 58 20.5	20.1	704
1997 HQ_9		1997 04 30.27883	14 37 03.50	−14 58 13.9	20.0	704
1997 HQ_9		1997 04 30.30144	14 37 02.04	−14 58 04.4	20.4	704
1997 HQ_9		1997 05 01.21777	14 36 12.62	−14 53 31.1	19.8	704
1997 HQ_9		1997 05 01.24019	14 36 11.29	−14 53 23.1	20.3	704
1997 HQ_9		1997 05 01.26261	14 36 09.95	−14 53 16.8	20.4	704
1997 HQ_9		1997 05 01.28508	14 36 08.63	−14 53 10.6	20.0	704
1997 HR_9	*	1997 04 30.21182	14 36 40.47	−14 25 22.5	19.4	704
1997 HR_9		1997 04 30.23412	14 36 39.17	−14 25 17.6	19.7	704
1997 HR_9		1997 04 30.25657	14 36 37.80	−14 25 12.0	19.3	704
1997 HR_9		1997 04 30.27898	14 36 36.44	−14 25 06.6	19.3	704
1997 HR_9		1997 04 30.30159	14 36 35.12	−14 25 00.9	19.6	704
1997 HR_9		1997 05 01.21793	14 35 41.40	−14 21 20.0	18.8	704
1997 HR_9		1997 05 01.24035	14 35 40.03	−14 21 14.4	19.1	704
1997 HR_9		1997 05 01.26277	14 35 38.68	−14 21 09.3	19.1	704
1997 HR_9		1997 05 01.28524	14 35 37.29	−14 21 02.9	20.1	704
1997 HR_9		1997 05 01.30778	14 35 35.92	−14 20 58.8	19.6	704
1997 HS_9	*	1997 04 30.21198	14 36 07.57	−13 30 00.1	19.8	704
1997 HS_9		1997 04 30.23427	14 36 06.02	−13 29 58.7	20.3	704
1997 HS_9		1997 04 30.25673	14 36 04.62	−13 29 59.5	19.7	704
1997 HS_9		1997 04 30.27914	14 36 03.07	−13 29 58.5	20.0	704
1997 HS_9		1997 05 01.21808	14 35 02.25	−13 30 03.2	19.6	704
1997 HS_9		1997 05 01.24050	14 35 00.70	−13 30 02.8	20.0	704
1997 HS_9		1997 05 01.26293	14 34 59.21	−13 30 02.2	20.0	704
1997 HS_9		1997 05 01.30795	14 34 56.03	−13 30 01.7	19.9	704
1997 HS_9		1997 05 05.34255	14 30 32.34	−13 30 21.1	19.6	704
1997 HS_9		1997 05 05.35991	14 30 31.23	−13 30 20.4	20.3	704
1997 HS_9		1997 05 05.37728	14 30 30.04	−13 30 21.0	20.5	704
1997 HS_9		1997 05 05.39464	14 30 28.88	−13 30 20.7	20.5	704
1997 HT_9		1997 04 06.31997	14 55 29.46	−16 19 22.4	19.2	704
1997 HT_9		1997 04 06.41443	14 55 25.65	−16 18 47.5		704
1997 HT_9	*	1997 04 30.21214	14 35 03.58	−13 24 34.1	18.9	704
1997 HT_9		1997 04 30.23443	14 35 02.25	−13 24 22.8	19.7	704
1997 HT_9		1997 04 30.25689	14 35 00.90	−13 24 13.6	19.4	704
1997 HT_9		1997 04 30.27930	14 34 59.51	−13 24 01.9	19.0	704
1997 HT_9		1997 04 30.30191	14 34 58.10	−13 23 52.1	19.7	704
1997 HT_9		1997 05 01.21521	14 34 05.29	−13 16 34.3	18.8	704
1997 HT_9		1997 05 01.23762	14 34 03.93	−13 16 22.5	19.4	704
1997 HT_9		1997 05 01.26006	14 34 02.55	−13 16 12.9	19.5	704
1997 HT_9		1997 05 01.28253	14 34 01.28	−13 16 01.7	19.3	704
1997 HT_9		1997 05 01.30505	14 33 59.92	−13 15 51.4	19.1	704
1997 HU_9	*	1997 04 30.21230	14 34 47.75	−12 14 45.6	19.5	704
1997 HU_9		1997 04 30.23459	14 34 46.69	−12 14 43.3	20.2	704
1997 HU_9		1997 04 30.25706	14 34 45.55	−12 14 36.0	19.5	704
1997 HU_9		1997 04 30.27946	14 34 44.45	−12 14 31.1	19.8	704
1997 HU_9		1997 05 05.33329	14 30 50.25	−11 55 50.1	20.0	704
1997 HU_9		1997 05 05.35065	14 30 49.41	−11 55 48.8	20.9	704
1997 HU_9		1997 05 05.36802	14 30 48.65	−11 55 42.9	20.1	704
1997 HU_9		1997 05 05.38538	14 30 47.73	−11 55 40.3	20.1	704
1997 HU_9		1997 05 05.40274	14 30 46.82	−11 55 35.6	20.4	704
1997 HV_9	*	1997 04 30.21230	14 35 38.62	−12 32 43.6	19.2	704
1997 HV_9		1997 04 30.23459	14 35 37.32	−12 32 40.0	19.6	704
1997 HV_9		1997 04 30.25706	14 35 36.03	−12 32 37.2	19.1	704
1997 HV_9		1997 04 30.27946	14 35 34.69	−12 32 33.6	19.0	704
1997 HV_9		1997 04 30.30207	14 35 33.33	−12 32 29.9	19.5	704
1997 HV_9		1997 05 01.21505	14 34 42.12	−12 30 14.9	19.7	704
1997 HV_9		1997 05 01.23746	14 34 40.81	−12 30 10.5	20.1	704
1997 HV_9		1997 05 01.25990	14 34 39.57	−12 30 08.3	20.2	704
1997 HV_9		1997 05 01.28237	14 34 38.24	−12 30 04.2	20.0	704
1997 HV_9		1997 05 01.30489	14 34 36.80	−12 30 01.1	19.9	704
1997 HW_9	*	1997 04 30.21230	14 35 44.03	−12 16 39.6	19.7	704
1997 HW_9		1997 04 30.23459	14 35 42.92	−12 16 28.7	20.6	704
1997 HW_9		1997 04 30.25706	14 35 41.89	−12 16 18.7	19.6	704
1997 HW_9		1997 04 30.27946	14 35 40.87	−12 16 07.6	19.3	704
1997 HW_9		1997 05 05.33329	14 31 56.63	−11 36 52.7	20.3	704
1997 HW_9		1997 05 05.35065	14 31 55.90	−11 36 42.7	20.7	704
1997 HW_9		1997 05 05.38538	14 31 54.28	−11 36 29.4	20.3	704
1997 HW_9		1997 05 05.40274	14 31 53.44	−11 36 20.2	20.5	704
1997 HX_9	*	1997 04 30.21230	14 36 52.26	−12 41 04.9	19.7	704
1997 HX_9		1997 04 30.23459	14 36 50.78	−12 41 03.6	20.0	704
1997 HX_9		1997 04 30.25706	14 36 49.25	−12 41 02.2	20.1	704
1997 HX_9		1997 04 30.27946	14 36 47.67	−12 41 00.3	19.6	704
1997 HX_9		1997 04 30.30207	14 36 46.25	−12 40 59.9	20.0	704
1997 HX_9		1997 05 01.21840	14 35 46.52	−12 39 53.2	18.9	704
1997 HX_9		1997 05 01.24083	14 35 44.99	−12 39 50.7	19.7	704
1997 HX_9		1997 05 01.26325	14 35 43.47	−12 39 50.0	19.2	704
1997 HX_9		1997 05 01.28572	14 35 41.93	−12 39 48.3	19.4	704
1997 HX_9		1997 05 01.30827	14 35 40.35	−12 39 46.0	19.9	704
1997 HX_9		1997 05 05.33310	14 31 16.35	−12 35 04.8	19.4	704
1997 HX_9		1997 05 05.35046	14 31 15.20	−12 35 04.1	19.9	704
1997 HX_9		1997 05 05.36782	14 31 13.99	−12 35 02.9	19.8	704
1997 HX_9		1997 05 05.38519	14 31 12.75	−12 35 01.2	20.2	704
1997 HX_9		1997 05 05.40255	14 31 11.61	−12 35 00.2	19.8	704
1997 HY_9		1997 04 08.35489	14 54 55.55	−12 44 33.9		704
1997 HY_9		1997 04 08.43000	14 54 52.08	−12 44 27.8		704
1997 HY_9	*	1997 04 30.21246	14 34 53.97	−12 10 06.5	18.5	704
1997 HY_9		1997 04 30.23474	14 34 52.53	−12 10 03.8	18.9	704
1997 HY_9		1997 04 30.25722	14 34 51.14	−12 10 01.5	18.9	704
1997 HY_9		1997 04 30.27962	14 34 49.76	−12 09 59.6	19.4	704
1997 HY_9		1997 04 30.30223	14 34 48.23	−12 09 56.7	19.0	704
1997 HY_9		1997 05 01.21490	14 33 51.98	−12 08 21.2	18.8	704
1997 HY_9		1997 05 01.23729	14 33 50.59	−12 08 19.0	19.2	704
1997 HY_9		1997 05 01.25975	14 33 49.13	−12 08 16.4	19.4	704
1997 HY_9		1997 05 01.28220	14 33 47.72	−12 08 14.7	19.0	704
1997 HY_9		1997 05 01.30473	14 33 46.26	−12 08 12.4	18.8	704
1997 HY_9		1997 05 05.32885	14 29 37.61	−12 01 20.1	19.5	704
1997 HY_9		1997 05 05.34622	14 29 36.35	−12 01 17.5	19.1	704
1997 HY_9		1997 05 05.36358	14 29 35.29	−12 01 15.8	19.3	704
1997 HY_9		1997 05 05.38094	14 29 34.16	−12 01 14.6	18.7	704

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1997 HZ_{9}	*	1997 04 30.21262	14 34 50.04	−11 13 47.9	19.7	704
1997 HZ_{9}		1997 04 30.23490	14 34 48.97	−11 13 43.0	19.8	704
1997 HZ_{9}		1997 04 30.25738	14 34 47.90	−11 13 36.9	19.8	704
1997 HZ_{9}		1997 04 30.27978	14 34 46.83	−11 13 31.9	19.4	704
1997 HZ_{9}		1997 04 30.30239	14 34 45.75	−11 13 26.3	19.9	704
1997 HZ_{9}		1997 05 01.21474	14 34 04.46	−11 09 57.3	19.6	704
1997 HZ_{9}		1997 05 01.23713	14 34 03.40	−11 09 51.5	20.6	704
1997 HZ_{9}		1997 05 01.25959	14 34 02.38	−11 09 46.7	20.5	704
1997 HZ_{9}		1997 05 01.28204	14 34 01.21	−11 09 43.3	20.7	704
1997 HZ_{9}		1997 05 01.30457	14 34 00.28	−11 09 37.0	20.0	704
1997 HZ_{9}		1997 05 05.33368	14 30 57.53	−10 54 29.0	20.1	704
1997 HZ_{9}		1997 05 05.35104	14 30 56.78	−10 54 24.1	20.3	704
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1997 HA_{10}	*	1997 04 30.21309	14 38 03.77	−11 21 03.5	19.4	704
1997 HA_{10}		1997 04 30.23537	14 38 02.56	−11 20 58.7	19.8	704
1997 HA_{10}		1997 04 30.25785	14 38 01.25	−11 20 53.7	19.5	704
1997 HA_{10}		1997 04 30.28027	14 38 00.08	−11 20 48.7	19.5	704
1997 HA_{10}		1997 04 30.30287	14 37 58.77	−11 20 44.0	19.7	704
1997 HA_{10}		1997 05 01.21873	14 37 09.65	−11 17 37.0	20.1	704
1997 HA_{10}		1997 05 01.26357	14 37 07.31	−11 17 25.9	20.5	704
1997 HA_{10}		1997 05 01.28604	14 37 05.83	−11 17 22.4	20.2	704
1997 HA_{10}		1997 05 01.30859	14 37 04.36	−11 17 17.3	20.5	704
1997 HA_{10}		1997 05 05.33406	14 33 27.02	−11 03 38.4	19.0	704
1997 HA_{10}		1997 05 05.35143	14 33 26.06	−11 03 34.9	19.5	704
1997 HA_{10}		1997 05 05.36878	14 33 25.03	−11 03 31.5	19.9	704
1997 HA_{10}		1997 05 05.38615	14 33 24.13	−11 03 27.8	19.9	704
1997 HA_{10}		1997 05 05.40351	14 33 23.16	−11 03 25.1	19.5	704
1997 HB_{10}	*	1997 04 30.21309	14 39 17.28	−11 13 04.9	19.1	704
1997 HB_{10}		1997 04 30.23537	14 39 16.13	−11 13 00.0	19.9	704
1997 HB_{10}		1997 04 30.25785	14 39 14.87	−11 12 54.8	19.7	704
1997 HB_{10}		1997 04 30.28027	14 39 13.53	−11 12 50.2	19.7	704
1997 HB_{10}		1997 04 30.30287	14 39 12.34	−11 12 46.6	19.7	704
1997 HB_{10}		1997 05 01.21920	14 38 23.95	−11 09 18.8	19.3	704
1997 HB_{10}		1997 05 01.24163	14 38 22.63	−11 09 13.4	20.5	704
1997 HB_{10}		1997 05 01.26406	14 38 21.51	−11 09 09.0	19.6	704
1997 HB_{10}		1997 05 01.28652	14 38 20.28	−11 09 04.1	19.3	704
1997 HB_{10}		1997 05 01.30907	14 38 19.04	−11 08 58.8	19.5	704
1997 HC_{10}	*	1997 04 30.21325	14 37 19.51	−12 04 25.1	20.1	704
1997 HC_{10}		1997 04 30.23553	14 37 18.29	−12 04 22.0	20.5	704
1997 HC_{10}		1997 04 30.25802	14 37 16.89	−12 04 16.7	20.3	704
1997 HC_{10}		1997 04 30.28043	14 37 15.68	−12 04 12.9	20.2	704
1997 HC_{10}		1997 05 01.21857	14 36 24.62	−12 01 13.9	19.8	704
1997 HC_{10}		1997 05 01.26341	14 36 22.04	−12 01 06.5	20.1	704
1997 HC_{10}		1997 05 01.28588	14 36 20.89	−12 01 01.7	20.5	704
1997 HC_{10}		1997 05 01.30843	14 36 19.39	−12 00 59.0	20.2	704
1997 HC_{10}		1997 05 05.33426	14 32 40.76	−11 48 23.9	19.9	704
1997 HC_{10}		1997 05 05.35162	14 32 39.83	−11 48 21.1	20.5	704
1997 HC_{10}		1997 05 05.36898	14 32 38.93	−11 48 16.7	20.5	704
1997 HC_{10}		1997 05 05.40370	14 32 37.08	−11 48 10.6	20.1	704
1997 HD_{10}	*	1997 04 30.21325	14 38 21.79	−11 44 19.7	19.1	704
1997 HD_{10}		1997 04 30.23553	14 38 20.03	−11 44 18.7	19.8	704
1997 HD_{10}		1997 04 30.25802	14 38 18.39	−11 44 19.7	19.2	704
1997 HD_{10}		1997 04 30.28043	14 38 16.67	−11 44 19.1	19.5	704
1997 HD_{10}		1997 04 30.30302	14 38 14.95	−11 44 18.1	19.5	704
1997 HD_{10}		1997 05 01.21857	14 37 07.69	−11 44 16.4	19.3	704
1997 HD_{10}		1997 05 01.24099	14 37 05.92	−11 44 17.4	19.6	704
1997 HD_{10}		1997 05 01.26341	14 37 04.17	−11 44 16.9	19.8	704
1997 HD_{10}		1997 05 01.28588	14 37 02.53	−11 44 17.9	20.1	704
1997 HD_{10}		1997 05 01.30843	14 37 00.62	−11 44 17.6	20.3	704
1997 HE_{10}		1997 04 06.31934	14 54 06.31	−14 00 46.1	20.5	704
1997 HE_{10}		1997 04 06.41381	14 54 03.25	−14 00 26.3		704
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1997 HE_{10}		1997 04 30.23568	14 37 32.04	−12 29 24.5	19.9	704
1997 HE_{10}		1997 04 30.25818	14 37 30.96	−12 29 18.1	19.4	704
1997 HE_{10}		1997 04 30.28058	14 37 29.85	−12 29 12.5	19.7	704
1997 HE_{10}		1997 04 30.30318	14 37 28.66	−12 29 06.5	20.4	704
1997 HE_{10}		1997 05 01.21840	14 36 45.87	−12 25 23.2	19.6	704
1997 HE_{10}		1997 05 01.24083	14 36 44.75	−12 25 18.6	19.9	704
1997 HE_{10}		1997 05 01.26325	14 36 43.62	−12 25 12.9	19.7	704
1997 HE_{10}		1997 05 01.28572	14 36 42.58	−12 25 07.6	19.9	704
1997 HE_{10}		1997 05 01.30827	14 36 41.42	−12 25 02.1	19.5	704
1997 HF_{10}	*	1997 04 30.21356	14 38 52.67	−13 00 03.1	19.6	704
1997 HF_{10}		1997 04 30.23584	14 38 51.72	−13 00 00.6	20.5	704
1997 HF_{10}		1997 04 30.25834	14 38 50.36	−12 59 53.4	19.8	704
1997 HF_{10}		1997 04 30.28074	14 38 49.29	−12 59 50.5	20.0	704
1997 HF_{10}		1997 04 30.30333	14 38 47.99	−12 59 45.2	20.1	704
1997 HF_{10}		1997 05 01.21969	14 38 03.13	−12 56 39.9	19.6	704
1997 HF_{10}		1997 05 01.24211	14 38 01.89	−12 56 35.0	19.9	704
1997 HF_{10}		1997 05 01.26454	14 38 00.81	−12 56 30.2	19.9	704
1997 HF_{10}		1997 05 01.28701	14 37 59.68	−12 56 25.8	20.3	704
1997 HG_{10}	*	1997 04 30.21372	14 37 40.66	−13 42 10.3	19.3	704
1997 HG_{10}		1997 04 30.23600	14 37 39.15	−13 42 05.0	19.6	704
1997 HG_{10}		1997 04 30.25850	14 37 37.78	−13 42 00.5	19.2	704
1997 HG_{10}		1997 04 30.28090	14 37 36.31	−13 41 55.7	19.5	704
1997 HG_{10}		1997 04 30.30349	14 37 34.83	−13 41 52.1	19.7	704
1997 HG_{10}		1997 05 01.21808	14 36 38.55	−13 39 01.7	18.7	704
1997 HG_{10}		1997 05 01.24050	14 36 37.12	−13 38 57.4	19.6	704
1997 HG_{10}		1997 05 01.26293	14 36 35.71	−13 38 54.5	19.5	704
1997 HG_{10}		1997 05 01.28540	14 36 34.33	−13 38 49.5	19.2	704
1997 HG_{10}		1997 05 01.30795	14 36 32.80	−13 38 46.0	19.7	704
1997 HH_{10}	*	1997 04 30.21372	14 38 12.10	−13 43 28.9	19.5	704
1997 HH_{10}		1997 04 30.23600	14 38 11.02	−13 43 24.1	19.6	704
1997 HH_{10}		1997 04 30.25850	14 38 10.02	−13 43 17.1	19.5	704
1997 HH_{10}		1997 04 30.28090	14 38 08.92	−13 43 11.8	20.0	704
1997 HH_{10}		1997 04 30.30349	14 38 07.70	−13 43 07.1	19.7	704
1997 HH_{10}		1997 05 01.21984	14 37 25.07	−13 39 29.5	19.6	704
1997 HH_{10}		1997 05 01.24226	14 37 23.93	−13 39 24.0	20.2	704
1997 HH_{10}		1997 05 01.26469	14 37 22.90	−13 39 20.1	20.4	704
1997 HH_{10}		1997 05 01.28717	14 37 21.78	−13 39 13.8	19.9	704
1997 HH_{10}		1997 05 01.30972	14 37 20.69	−13 39 08.5	19.6	704
1997 HJ_{10}	*	1997 04 30.21372	14 38 36.47	−13 26 48.5	19.4	704
1997 HJ_{10}		1997 04 30.23600	14 38 35.08	−13 26 44.2	19.7	704

1997 HJ_{10}		1997 04 30.25850	14 38 33.54	−13 26 40.8	19.1	704
1997 HJ_{10}		1997 04 30.28090	14 38 32.10	−13 26 37.6	19.7	704
1997 HJ_{10}		1997 04 30.30349	14 38 30.58	−13 26 33.3	19.6	704
1997 HJ_{10}		1997 05 01.21969	14 37 32.03	−13 24 02.5	20.2	704
1997 HJ_{10}		1997 05 01.24211	14 37 30.46	−13 24 00.1	20.6	704
1997 HJ_{10}		1997 05 01.26454	14 37 29.02	−13 23 57.6	20.1	704
1997 HJ_{10}		1997 05 01.28701	14 37 27.49	−13 23 53.3	20.1	704
1997 HJ_{10}		1997 05 01.30956	14 37 25.88	−13 23 50.5	20.2	704
1997 HJ_{10}		1997 05 05.33464	14 33 08.45	−13 12 57.5	19.5	704
1997 HJ_{10}		1997 05 05.35200	14 33 07.41	−13 12 54.2	20.0	704
1997 HJ_{10}		1997 05 05.36936	14 33 06.14	−13 12 51.2	20.1	704
1997 HJ_{10}		1997 05 05.38673	14 33 05.06	−13 12 47.5	19.8	704
1997 HJ_{10}		1997 05 05.40409	14 33 03.86	−13 12 45.9	20.2	704
1997 HK_{10}	*	1997 04 30.21372	14 38 44.91	−13 40 04.6	19.5	704
1997 HK_{10}		1997 04 30.23600	14 38 43.67	−13 39 55.7	19.8	704
1997 HK_{10}		1997 04 30.25850	14 38 42.37	−13 39 50.2	19.4	704
1997 HK_{10}		1997 04 30.28090	14 38 40.98	−13 39 41.0	20.1	704
1997 HK_{10}		1997 04 30.30349	14 38 39.54	−13 39 34.3	19.8	704
1997 HK_{10}		1997 05 01.21984	14 37 48.19	−13 34 28.3	19.1	704
1997 HK_{10}		1997 05 01.24226	14 37 46.95	−13 34 20.5	20.1	704
1997 HK_{10}		1997 05 01.26469	14 37 45.59	−13 34 13.6	19.9	704
1997 HK_{10}		1997 05 01.28717	14 37 44.36	−13 34 06.5	19.9	704
1997 HK_{10}		1997 05 01.30972	14 37 42.97	−13 33 58.4	19.5	704
1997 HL_{10}	*	1997 04 30.21372	14 38 58.38	−13 32 28.8	18.9	704
1997 HL_{10}		1997 04 30.23600	14 38 57.15	−13 32 21.7	19.4	704
1997 HL_{10}		1997 04 30.25850	14 38 56.00	−13 32 15.4	19.6	704
1997 HL_{10}		1997 04 30.28090	14 38 54.79	−13 32 09.7	19.5	704
1997 HL_{10}		1997 04 30.30349	14 38 53.30	−13 32 02.9	19.9	704
1997 HL_{10}		1997 05 01.21984	14 38 05.81	−13 27 39.7	19.7	704
1997 HL_{10}		1997 05 01.24226	14 38 04.58	−13 27 33.7	19.5	704
1997 HL_{10}		1997 05 01.26469	14 38 03.35	−13 27 26.8	20.0	704
1997 HL_{10}		1997 05 01.28717	14 38 02.11	−13 27 20.8	19.8	704
1997 HL_{10}		1997 05 01.30972	14 38 00.91	−13 27 13.8	19.6	704
1997 HM_{10}		1997 04 08.35583	14 55 31.90	−16 10 30.6		704
1997 HM_{10}		1997 04 08.43094	14 55 29.42	−16 10 15.3		704
1997 HM_{10}	*	1997 04 30.21387	14 38 59.25	−14 26 51.7	19.2	704
1997 HM_{10}		1997 04 30.23615	14 38 57.99	−14 26 44.5	19.4	704
1997 HM_{10}		1997 04 30.25867	14 38 56.65	−14 26 38.0	18.9	704
1997 HM_{10}		1997 04 30.28107	14 38 55.40	−14 26 30.4	19.2	704
1997 HM_{10}		1997 04 30.30365	14 38 53.99	−14 26 22.0	19.3	704
1997 HM_{10}		1997 05 01.22000	14 38 03.24	−14 21 10.8	18.6	704
1997 HM_{10}		1997 05 01.24243	14 38 01.91	−14 21 02.9	19.4	704
1997 HM_{10}		1997 05 01.26485	14 38 00.60	−14 20 55.7	19.3	704
1997 HM_{10}		1997 05 01.28732	14 37 59.26	−14 20 47.8	19.1	704
1997 HM_{10}		1997 05 01.30988	14 37 57.97	−14 20 40.5	19.2	704
1997 HM_{10}		1997 05 05.33483	14 34 11.54	−13 57 38.4	19.4	704
1997 HM_{10}		1997 05 05.35219	14 34 10.59	−13 57 30.1	20.3	704
1997 HM_{10}		1997 05 05.36956	14 34 09.48	−13 57 26.1	19.8	704
1997 HM_{10}		1997 05 05.38692	14 34 08.45	−13 57 19.9	20.0	704
1997 HM_{10}		1997 05 05.40428	14 34 07.35	−13 57 14.8	20.3	704
1997 HN_{10}	*	1997 04 30.21403	14 38 00.19	−14 55 37.2	19.0	704
1997 HN_{10}		1997 04 30.23631	14 37 58.70	−14 55 35.3	19.7	704
1997 HN_{10}		1997 04 30.25883	14 37 57.21	−14 55 33.5	19.6	704
1997 HN_{10}		1997 04 30.28123	14 37 55.69	−14 55 31.4	19.2	704
1997 HN_{10}		1997 04 30.30380	14 37 54.26	−14 55 29.8	19.3	704
1997 HN_{10}		1997 05 01.21777	14 36 55.59	−14 54 04.7	19.3	704
1997 HN_{10}		1997 05 01.26261	14 36 52.60	−14 54 01.7	19.5	704
1997 HN_{10}		1997 05 01.28508	14 36 51.05	−14 53 59.0	20.0	704
1997 HN_{10}		1997 05 01.30762	14 36 49.61	−14 53 56.6	19.9	704
1997 HN_{10}		1997 05 05.33522	14 32 30.96	−14 47 36.9	19.5	704
1997 HN_{10}		1997 05 05.35258	14 32 29.87	−14 47 34.4	20.2	704
1997 HN_{10}		1997 05 05.36994	14 32 28.76	−14 47 32.8	19.9	704
1997 HN_{10}		1997 05 05.38730	14 32 27.53	−14 47 31.6	19.8	704
1997 HN_{10}		1997 05 05.40467	14 32 26.50	−14 47 29.3	19.6	704
1997 HO_{10}	*	1997 04 30.21403	14 39 00.55	−14 51 38.6	19.6	704
1997 HO_{10}		1997 04 30.23631	14 38 59.39	−14 51 29.2	19.9	704
1997 HO_{10}		1997 04 30.25883	14 38 58.16	−14 51 17.9	19.9	704
1997 HO_{10}		1997 04 30.28123	14 38 57.08	−14 51 09.7	19.5	704
1997 HO_{10}		1997 04 30.30380	14 38 55.89	−14 50 58.9	19.4	704
1997 HO_{10}		1997 05 01.22016	14 38 10.13	−14 44 14.8	19.1	704
1997 HO_{10}		1997 05 01.24259	14 38 08.97	−14 44 05.7	20.0	704
1997 HO_{10}		1997 05 01.26501	14 38 07.77	−14 43 54.9	20.2	704
1997 HO_{10}		1997 05 01.28748	14 38 06.59	−14 43 44.8	19.3	704
1997 HO_{10}		1997 05 01.31004	14 38 05.47	−14 43 35.0	19.7	704
1997 HO_{10}		1997 05 05.33503	14 34 43.26	−14 13 48.0	19.6	704
1997 HO_{10}		1997 05 05.35239	14 34 42.31	−14 13 40.2	20.2	704
1997 HO_{10}		1997 05 05.36975	14 34 41.45	−14 13 32.9	20.3	704
1997 HO_{10}		1997 05 05.38711	14 34 40.63	−14 13 26.0	20.1	704
1997 HO_{10}		1997 05 05.40447	14 34 39.66	−14 13 18.5	19.7	704
1997 HP_{10}	*	1997 04 30.21418	14 37 58.11	−15 36 14.2	19.5	704
1997 HP_{10}		1997 04 30.23647	14 37 56.86	−15 36 10.8	19.7	704
1997 HP_{10}		1997 04 30.25898	14 37 55.36	−15 36 10.4	19.7	704
1997 HP_{10}		1997 04 30.28139	14 37 54.09	−15 36 10.1	19.5	704
1997 HP_{10}		1997 04 30.30397	14 37 52.79	−15 36 07.4	19.4	704
1997 HP_{10}		1997 05 01.21760	14 37 03.77	−15 34 53.3	19.9	704
1997 HP_{10}		1997 05 01.24002	14 37 02.44	−15 34 50.8	19.6	704
1997 HP_{10}		1997 05 01.26245	14 37 01.09	−15 34 50.5	20.0	704
1997 HP_{10}		1997 05 01.28492	14 36 59.77	−15 34 49.5	19.9	704
1997 HP_{10}		1997 05 01.30746	14 36 58.51	−15 34 45.7	19.9	704
1997 HQ_{10}	*	1997 04 30.21418	14 38 07.87	−15 48 36.6	19.4	704
1997 HQ_{10}		1997 04 30.23647	14 38 06.61	−15 48 31.8	19.7	704
1997 HQ_{10}		1997 04 30.25898	14 38 05.25	−15 48 28.0	20.0	704
1997 HQ_{10}		1997 04 30.28139	14 38 04.10	−15 48 22.2	19.7	704
1997 HQ_{10}		1997 04 30.30397	14 38 02.75	−15 48 19.4	19.5	704
1997 HQ_{10}		1997 05 05.33541	14 33 21.21	−15 31 11.7	19.6	704
1997 HQ_{10}		1997 05 05.35277	14 33 20.21	−15 31 07.2	20.0	704
1997 HQ_{10}		1997 05 05.37014	14 33 19.20	−15 31 04.6	20.3	704
1997 HQ_{10}		1997 05 05.38750	14 33 18.18	−15 31 01.0	20.1	704
1997 HQ_{10}		1997 05 05.40486	14 33 17.16	−15 30 56.2	19.9	704
1997 HR_{10}		1997 04 08.35598	14 55 22.08	−16 39 26.9		704
1997 HR_{10}		1997 04 08.41695	14 55 19.83	−16 39 17.0		704
1997 HR_{10}	*	1997 04 30.21418	14 39 21.04	−15 18 32.9	19.4	704
1997 HR_{10}		1997 04 30.23647	14 39 19.87	−15 18 27.7	19.7	704
1997 HR_{10}		1997 04 30.25898	14 39 18.70	−15 18 21.0	19.3	704

1997 HR_{10}		1997 04 30.28139	14 39 17.54	−15 18 15.3	19.6	704
1997 HR_{10}		1997 05 01.22016	14 38 31.18	−15 14 15.7	19.7	704
1997 HR_{10}		1997 05 01.24259	14 38 30.12	−15 14 09.3	20.4	704
1997 HR_{10}		1997 05 01.26501	14 38 28.92	−15 14 04.7	20.2	704
1997 HR_{10}		1997 05 01.28748	14 38 27.79	−15 13 58.3	19.8	704
1997 HR_{10}		1997 05 01.31004	14 38 26.66	−15 13 52.4	19.9	704
1997 HR_{10}		1997 05 05.33773	14 35 07.53	−14 56 39.6	19.6	704
1997 HR_{10}		1997 05 05.35509	14 35 06.67	−14 56 34.3	19.6	704
1997 HR_{10}		1997 05 05.37245	14 35 05.76	−14 56 30.3	19.7	704
1997 HR_{10}		1997 05 05.38981	14 35 04.90	−14 56 24.4	20.1	704
1997 HR_{10}		1997 05 05.40718	14 35 04.03	−14 56 21.6	19.7	704
1997 HS_{10}	*	1997 04 30.21434	14 37 37.59	−16 04 03.6	19.6	704
1997 HS_{10}		1997 04 30.23663	14 37 36.35	−16 03 51.2	19.7	704
1997 HS_{10}		1997 04 30.25914	14 37 35.21	−16 03 39.6	19.2	704
1997 HS_{10}		1997 04 30.28155	14 37 34.05	−16 03 28.0	19.7	704
1997 HS_{10}		1997 04 30.30413	14 37 32.94	−16 03 16.3	19.5	704
1997 HS_{10}		1997 05 01.21760	14 36 48.31	−15 55 09.1	19.5	704
1997 HS_{10}		1997 05 01.24002	14 36 47.15	−15 54 56.4	20.2	704
1997 HS_{10}		1997 05 01.26245	14 36 45.89	−15 54 42.5	20.3	704
1997 HS_{10}		1997 05 01.28492	14 36 44.77	−15 54 31.8	20.2	704
1997 HS_{10}		1997 05 01.30746	14 36 43.43	−15 54 19.4	20.5	704
1997 HS_{10}		1997 05 05.33522	14 33 26.23	−15 18 18.6	19.5	704
1997 HS_{10}		1997 05 05.36994	14 33 24.38	−15 17 59.6	20.5	704
1997 HS_{10}		1997 05 05.38730	14 33 23.60	−15 17 50.7	20.0	704
1997 HS_{10}		1997 05 05.40467	14 33 22.63	−15 17 42.2	20.6	704
1997 HT_{10}	*	1997 04 30.21434	14 37 49.98	−15 56 11.2	19.5	704
1997 HT_{10}		1997 04 30.23663	14 37 48.62	−15 56 02.7	19.9	704
1997 HT_{10}		1997 04 30.25914	14 37 47.13	−15 55 54.7	19.2	704
1997 HT_{10}		1997 04 30.28155	14 37 45.78	−15 55 47.5	19.3	704
1997 HT_{10}		1997 04 30.30413	14 37 44.38	−15 55 39.5	19.5	704
1997 HT_{10}		1997 05 01.21760	14 36 50.06	−15 50 24.7	19.9	704
1997 HT_{10}		1997 05 01.24002	14 36 48.67	−15 50 18.3	20.4	704
1997 HT_{10}		1997 05 01.26245	14 36 47.23	−15 50 11.8	20.2	704
1997 HT_{10}		1997 05 01.28492	14 36 45.81	−15 50 03.8	20.4	704
1997 HT_{10}		1997 05 01.30746	14 36 44.45	−15 49 55.0	19.8	704
1997 HT_{10}		1997 05 05.33541	14 32 43.99	−15 26 39.2	19.0	704
1997 HT_{10}		1997 05 05.35277	14 32 42.92	−15 26 32.1	20.1	704
1997 HT_{10}		1997 05 05.37014	14 32 41.83	−15 26 26.7	20.2	704
1997 HT_{10}		1997 05 05.38750	14 32 40.75	−15 26 20.1	20.0	704
1997 HT_{10}		1997 05 05.40486	14 32 39.55	−15 26 14.9	20.2	704
1997 HU_{10}	*	1997 04 30.21434	14 37 54.98	−16 12 29.7	19.6	704
1997 HU_{10}		1997 04 30.23663	14 37 53.89	−16 12 24.3	20.0	704
1997 HU_{10}		1997 04 30.25914	14 37 52.65	−16 12 18.4	19.8	704
1997 HU_{10}		1997 04 30.28155	14 37 51.60	−16 12 14.2	20.2	704
1997 HU_{10}		1997 04 30.30413	14 37 50.37	−16 12 10.9	19.7	704
1997 HU_{10}		1997 05 01.21744	14 37 08.16	−16 08 57.2	19.8	704
1997 HU_{10}		1997 05 01.23986	14 37 07.08	−16 08 54.8	20.0	704
1997 HU_{10}		1997 05 01.26229	14 37 05.97	−16 08 50.8	20.6	704
1997 HU_{10}		1997 05 01.28477	14 37 04.96	−16 08 46.0	20.4	704
1997 HV_{10}	*	1997 04 30.21434	14 38 38.05	−16 27 05.9	19.9	704
1997 HV_{10}		1997 04 30.23663	14 38 36.87	−16 26 54.3	19.5	704
1997 HV_{10}		1997 04 30.25914	14 38 35.72	−16 26 41.5	19.6	704
1997 HV_{10}		1997 04 30.28155	14 38 34.38	−16 26 29.1	19.4	704
1997 HV_{10}		1997 04 30.30413	14 38 33.14	−16 26 16.0	19.3	704
1997 HV_{10}		1997 05 01.22048	14 37 45.73	−16 17 41.8	19.8	704
1997 HV_{10}		1997 05 01.24291	14 37 44.41	−16 17 28.0	19.6	704
1997 HV_{10}		1997 05 01.26532	14 37 43.25	−16 17 15.7	19.3	704
1997 HV_{10}		1997 05 01.28781	14 37 42.00	−16 17 03.5	18.9	704
1997 HV_{10}		1997 05 01.31037	14 37 40.79	−16 16 50.4	18.8	704
1997 HW_{10}	*	1997 04 30.21450	14 38 02.14	−17 04 06.5	19.8	704
1997 HW_{10}		1997 04 30.25929	14 37 59.36	−17 03 58.3	19.7	704
1997 HW_{10}		1997 04 30.28171	14 37 57.87	−17 03 52.1	20.0	704
1997 HW_{10}		1997 04 30.30429	14 37 56.26	−17 03 47.7	20.0	704
1997 HW_{10}		1997 05 01.21728	14 36 59.79	−17 00 38.1	19.8	704
1997 HW_{10}		1997 05 01.26213	14 36 56.90	−17 00 29.4	19.9	704
1997 HW_{10}		1997 05 01.28461	14 36 55.55	−17 00 25.3	20.0	704
1997 HW_{10}		1997 05 01.30714	14 36 53.87	−17 00 20.1	20.2	704
1997 HX_{10}	*	1997 04 30.21450	14 39 11.57	−16 33 20.3	19.5	704
1997 HX_{10}		1997 04 30.23678	14 39 10.53	−16 33 09.1	19.8	704
1997 HX_{10}		1997 04 30.25929	14 39 09.55	−16 33 01.4	19.9	704
1997 HX_{10}		1997 04 30.28171	14 39 08.69	−16 32 53.6	19.9	704
1997 HX_{10}		1997 05 05.33734	14 35 25.60	−15 59 28.0	19.8	704
1997 HX_{10}		1997 05 05.35471	14 35 24.82	−15 59 21.8	19.9	704
1997 HX_{10}		1997 05 05.37207	14 35 24.05	−15 59 13.3	19.7	704
1997 HX_{10}		1997 05 05.38943	14 35 23.27	−15 59 06.8	19.9	704
1997 HX_{10}		1997 05 05.40679	14 35 22.32	−15 59 01.2	20.1	704
1997 HY_{10}	*	1997 04 30.21450	14 39 21.91	−17 06 52.1	19.4	704
1997 HY_{10}		1997 04 30.23678	14 39 20.60	−17 06 51.8	19.5	704
1997 HY_{10}		1997 04 30.25929	14 39 19.07	−17 06 52.2	19.1	704
1997 HY_{10}		1997 04 30.28171	14 39 17.47	−17 06 49.3	19.4	704
1997 HY_{10}		1997 04 30.30429	14 39 15.92	−17 06 47.9	19.6	704
1997 HY_{10}		1997 05 01.22064	14 38 16.59	−17 06 14.0	19.0	704
1997 HY_{10}		1997 05 01.24307	14 38 15.08	−17 06 12.8	19.2	704
1997 HY_{10}		1997 05 01.26548	14 38 13.55	−17 06 13.1	19.7	704
1997 HY_{10}		1997 05 01.28797	14 38 12.03	−17 06 11.6	19.5	704
1997 HY_{10}		1997 05 01.31053	14 38 10.59	−17 06 10.5	19.3	704
1997 HY_{10}		1997 05 05.33580	14 33 51.43	−17 03 16.6	19.2	704
1997 HY_{10}		1997 05 05.35316	14 33 50.27	−17 03 15.7	19.9	704
1997 HY_{10}		1997 05 05.37052	14 33 49.14	−17 03 14.8	19.6	704
1997 HY_{10}		1997 05 05.38788	14 33 47.97	−17 03 14.5	19.7	704
1997 HY_{10}		1997 05 05.40524	14 33 46.88	−17 03 13.4	19.5	704
1997 HZ_{10}	*	1997 04 30.21467	14 39 33.37	−17 25 27.6	18.9	704
1997 HZ_{10}		1997 04 30.23694	14 39 31.84	−17 25 24.2	19.0	704
1997 HZ_{10}		1997 04 30.25945	14 39 30.33	−17 25 20.2	18.9	704
1997 HZ_{10}		1997 04 30.28188	14 39 28.82	−17 25 16.1	18.6	704
1997 HZ_{10}		1997 04 30.30445	14 39 27.25	−17 25 11.8	19.1	704
1997 HZ_{10}		1997 05 01.22080	14 38 27.34	−17 22 22.5	18.5	704
1997 HZ_{10}		1997 05 01.24324	14 38 25.80	−17 22 18.8	18.9	704
1997 HZ_{10}		1997 05 01.26564	14 38 24.24	−17 22 14.5	18.6	704
1997 HZ_{10}		1997 05 01.28813	14 38 22.73	−17 22 10.0	18.1	704
1997 HZ_{10}		1997 05 01.31068	14 38 21.18	−17 22 06.2	18.2	704
1997 HZ_{10}		1997 05 05.33580	14 33 54.14	−17 09 05.3	19.0	704
1997 HZ_{10}		1997 05 05.35316	14 33 52.94	−17 09 02.0	19.5	704
1997 HZ_{10}		1997 05 05.37052	14 33 51.74	−17 08 56.2	20.2	704

1997 HZ_{10}		1997 05 05.38788	14 33 50.54	−17 08 54.5	19.4	704
1997 HZ_{10}		1997 05 05.40524	14 33 49.37	−17 08 50.0	19.0	704
1997 HA_{11}	*	1997 04 30.21483	14 39 00.88	−18 07 57.4	18.9	704
1997 HA_{11}		1997 04 30.23710	14 38 59.62	−18 07 47.5	19.0	704
1997 HA_{11}		1997 04 30.25961	14 38 58.44	−18 07 38.0	19.1	704
1997 HA_{11}		1997 04 30.28204	14 38 57.24	−18 07 27.8	18.7	704
1997 HA_{11}		1997 04 30.30461	14 38 55.98	−18 07 17.7	18.8	704
1997 HA_{11}		1997 05 01.22096	14 38 09.33	−18 00 16.2	18.6	704
1997 HA_{11}		1997 05 01.24340	14 38 08.08	−18 00 06.6	18.7	704
1997 HA_{11}		1997 05 01.26581	14 38 06.81	−17 59 56.1	18.9	704
1997 HA_{11}		1997 05 01.28829	14 38 05.64	−17 59 45.6	18.5	704
1997 HA_{11}		1997 05 01.31084	14 38 04.42	−17 59 35.0	18.5	704
1997 HB_{11}	*	1997 04 30.21483	14 39 04.32	−18 11 38.2	19.3	704
1997 HB_{11}		1997 04 30.23710	14 39 03.12	−18 11 34.3	19.3	704
1997 HB_{11}		1997 04 30.25961	14 39 01.74	−18 11 29.5	19.4	704
1997 HB_{11}		1997 04 30.28204	14 39 00.55	−18 11 25.7	20.0	704
1997 HB_{11}		1997 04 30.30461	14 38 59.15	−18 11 20.5	19.9	704
1997 HB_{11}		1997 05 01.22096	14 38 09.42	−18 08 22.9	19.2	704
1997 HB_{11}		1997 05 01.24340	14 38 08.19	−18 08 17.7	19.0	704
1997 HB_{11}		1997 05 01.26581	14 38 06.93	−18 08 13.2	19.2	704
1997 HB_{11}		1997 05 01.28829	14 38 05.61	−18 08 08.7	19.5	704
1997 HB_{11}		1997 05 01.31084	14 38 04.43	−18 08 03.5	19.3	704
1997 HC_{11}	*	1997 04 30.21498	14 37 42.92	−18 44 23.1	19.6	704
1997 HC_{11}		1997 04 30.23726	14 37 41.64	−18 44 20.4	19.4	704
1997 HC_{11}		1997 04 30.25978	14 37 40.37	−18 44 15.6	20.2	704
1997 HC_{11}		1997 04 30.28220	14 37 39.10	−18 44 13.0	19.4	704
1997 HC_{11}		1997 04 30.30478	14 37 37.75	−18 44 10.8	20.2	704
1997 HC_{11}		1997 05 01.21679	14 36 47.31	−18 41 51.8	19.9	704
1997 HC_{11}		1997 05 01.23921	14 36 46.03	−18 41 49.2	20.3	704
1997 HC_{11}		1997 05 01.26164	14 36 44.62	−18 41 44.5	20.0	704
1997 HC_{11}		1997 05 01.28413	14 36 43.34	−18 41 39.8	19.9	704
1997 HC_{11}		1997 05 01.30665	14 36 41.85	−18 41 37.6	20.6	704
1997 HC_{11}		1997 05 05.33638	14 32 57.57	−18 31 01.2	19.8	704
1997 HC_{11}		1997 05 05.35374	14 32 56.60	−18 30 57.4	20.5	704
1997 HC_{11}		1997 05 05.37110	14 32 55.62	−18 30 54.3	20.4	704
1997 HC_{11}		1997 05 05.38846	14 32 54.57	−18 30 51.3	20.7	704
1997 HC_{11}		1997 05 05.40582	14 32 53.61	−18 30 48.5	20.1	704
1997 HD_{11}	*	1997 04 30.21530	14 35 52.93	−19 17 39.0	19.1	704
1997 HD_{11}		1997 04 30.23757	14 35 51.80	−19 17 27.9	18.9	704
1997 HD_{11}		1997 04 30.26010	14 35 50.55	−19 17 17.9	18.4	704
1997 HD_{11}		1997 04 30.28252	14 35 49.35	−19 17 07.4	18.2	704
1997 HD_{11}		1997 04 30.30509	14 35 48.15	−19 16 57.1	18.4	704
1997 HD_{11}		1997 05 01.22143	14 35 03.17	−19 09 57.7	18.4	704
1997 HD_{11}		1997 05 01.24388	14 35 01.99	−19 09 47.3	17.5	704
1997 HD_{11}		1997 05 01.26628	14 35 00.80	−19 09 37.3	17.2	704
1997 HD_{11}		1997 05 01.28877	14 34 59.62	−19 09 26.7	17.1	704
1997 HD_{11}		1997 05 01.31133	14 34 58.40	−19 09 16.4	17.0	704
1997 HE_{11}	*	1997 04 30.21530	14 36 11.14	−19 28 52.3		704
1997 HE_{11}		1997 04 30.23757	14 36 09.97	−19 28 38.0	18.3	704
1997 HE_{11}		1997 04 30.26010	14 36 08.51	−19 28 24.0	20.0	704
1997 HE_{11}		1997 04 30.28252	14 36 07.59	−19 28 09.6	18.4	704
1997 HE_{11}		1997 04 30.30509	14 36 06.36	−19 27 55.2	18.1	704
1997 HE_{11}		1997 05 01.24388	14 35 18.76	−19 17 45.6	17.0	704
1997 HE_{11}		1997 05 01.26628	14 35 17.59	−19 17 31.1		704
1997 HE_{11}		1997 05 01.28877	14 35 16.39	−19 17 16.6		704
1997 HE_{11}		1997 05 01.31133	14 35 15.14	−19 17 01.6	17.0	704
1997 HF_{11}	*	1997 04 30.21577	14 28 35.31	−19 22 53.1	19.3	704
1997 HF_{11}		1997 04 30.23804	14 28 33.84	−19 22 51.2	20.0	704
1997 HF_{11}		1997 04 30.26058	14 28 32.57	−19 22 50.1	19.4	704
1997 HF_{11}		1997 04 30.28301	14 28 31.17	−19 22 49.4	19.8	704
1997 HF_{11}		1997 04 30.30556	14 28 29.72	−19 22 47.1	19.3	704
1997 HF_{11}		1997 05 01.22191	14 27 35.81	−19 21 50.4	19.2	704
1997 HF_{11}		1997 05 01.24436	14 27 34.53	−19 21 48.4	19.5	704
1997 HF_{11}		1997 05 01.26677	14 27 33.11	−19 21 46.0	19.5	704
1997 HF_{11}		1997 05 01.28926	14 27 31.82	−19 21 45.5	19.4	704
1997 HF_{11}		1997 05 01.31180	14 27 30.36	−19 21 43.7	19.2	704
1997 HG_{11}	*	1997 04 30.21594	14 41 04.60	−19 04 54.6	19.4	704
1997 HG_{11}		1997 04 30.23821	14 41 03.33	−19 04 52.4	19.5	704
1997 HG_{11}		1997 04 30.26075	14 41 02.00	−19 04 49.6	19.0	704
1997 HG_{11}		1997 04 30.28318	14 41 00.75	−19 04 45.9	19.2	704
1997 HG_{11}		1997 04 30.30573	14 40 59.44	−19 04 43.3	19.4	704
1997 HG_{11}		1997 05 01.24453	14 40 08.50	−19 02 33.9	18.4	704
1997 HG_{11}		1997 05 01.26693	14 40 07.24	−19 02 31.3	18.2	704
1997 HG_{11}		1997 05 01.28943	14 40 06.01	−19 02 28.1	17.8	704
1997 HG_{11}		1997 05 01.31197	14 40 04.61	−19 02 24.4	18.2	704
1997 HH_{11}	*	1997 04 30.21594	14 41 34.38	−19 17 27.0	18.2	704
1997 HH_{11}		1997 04 30.23821	14 41 32.93	−19 17 22.3	18.1	704
1997 HH_{11}		1997 04 30.26075	14 41 31.45	−19 17 18.2		704
1997 HH_{11}		1997 04 30.28318	14 41 29.96	−19 17 13.8	18.4	704
1997 HH_{11}		1997 04 30.30573	14 41 28.50	−19 17 09.1	18.3	704
1997 HH_{11}		1997 05 01.22208	14 40 30.28	−19 14 03.2	18.1	704
1997 HH_{11}		1997 05 01.24453	14 40 28.74	−19 13 58.9	17.4	704
1997 HH_{11}		1997 05 01.26693	14 40 27.24	−19 13 53.9	17.0	704
1997 HH_{11}		1997 05 01.28943	14 40 25.77	−19 13 49.5	17.0	704
1997 HH_{11}		1997 05 01.31197	14 40 24.27	−19 13 44.8	17.1	704
1997 HH_{11}		1997 05 05.33657	14 36 06.67	−18 59 27.4		704
1997 HH_{11}		1997 05 05.35393	14 36 05.52	−18 59 23.6	19.1	704
1997 HH_{11}		1997 05 05.37129	14 36 04.38	−18 59 19.6	19.0	704
1997 HH_{11}		1997 05 05.38865	14 36 03.27	−18 59 15.4	19.1	704
1997 HH_{11}		1997 05 05.40602	14 36 02.14	−18 59 11.4	18.8	704
1997 HJ_{11}	*	1997 04 30.21610	14 40 17.50	−18 41 41.0		704
1997 HJ_{11}		1997 04 30.26091	14 40 14.60	−18 41 25.2	18.1	704
1997 HJ_{11}		1997 04 30.28334	14 40 13.21	−18 41 16.7	18.4	704
1997 HJ_{11}		1997 04 30.30589	14 40 11.72	−18 41 08.9	18.1	704
1997 HJ_{11}		1997 05 01.22112	14 39 14.91	−18 35 36.1		704
1997 HJ_{11}		1997 05 01.24356	14 39 13.45	−18 35 28.0	18.2	704
1997 HJ_{11}		1997 05 01.26597	14 39 12.00	−18 35 19.7	18.4	704
1997 HJ_{11}		1997 05 01.28845	14 39 10.53	−18 35 10.2	18.7	704
1997 HJ_{11}		1997 05 01.31100	14 39 09.03	−18 35 03.7	18.2	704
1997 HJ_{11}		1997 05 05.33676	14 34 54.69	−18 09 37.5		704
1997 HJ_{11}		1997 05 05.35413	14 34 53.56	−18 09 30.3	18.5	704
1997 HJ_{11}		1997 05 05.37149	14 34 52.44	−18 09 23.4	18.5	704
1997 HJ_{11}		1997 05 05.38885	14 34 51.32	−18 09 16.3	18.4	704
1997 HJ_{11}		1997 05 05.40621	14 34 50.21	−18 09 09.4	18.6	704

1997 HK_{11}	*	1997 04 30.21610	14 40 44.89	−18 46 10.3	19.1	704
1997 HK_{11}		1997 04 30.23837	14 40 43.63	−18 45 58.0	19.3	704
1997 HK_{11}		1997 04 30.26091	14 40 42.32	−18 45 45.3	19.1	704
1997 HK_{11}		1997 04 30.28334	14 40 41.09	−18 45 32.2	19.5	704
1997 HK_{11}		1997 05 05.33676	14 35 57.69	−17 55 20.0	19.1	704
1997 HK_{11}		1997 05 05.35413	14 35 56.72	−17 55 10.3	20.1	704
1997 HK_{11}		1997 05 05.37149	14 35 55.66	−17 54 59.1	20.0	704
1997 HK_{11}		1997 05 05.38885	14 35 54.63	−17 54 48.6	19.9	704
1997 HK_{11}		1997 05 05.40621	14 35 53.61	−17 54 36.1	19.9	704
1997 HL_{11}	*	1997 04 30.21610	14 40 55.63	−18 40 59.1	19.2	704
1997 HL_{11}		1997 04 30.23837	14 40 54.05	−18 40 59.3	19.5	704
1997 HL_{11}		1997 04 30.26091	14 40 52.60	−18 40 57.8	19.4	704
1997 HL_{11}		1997 04 30.28334	14 40 51.10	−18 40 56.3	19.3	704
1997 HL_{11}		1997 04 30.30589	14 40 49.59	−18 40 54.6	18.9	704
1997 HL_{11}		1997 05 05.33657	14 35 22.75	−18 35 39.0	19.5	704
1997 HL_{11}		1997 05 05.35393	14 35 21.53	−18 35 37.2	19.8	704
1997 HL_{11}		1997 05 05.37129	14 35 20.37	−18 35 36.4	19.8	704
1997 HL_{11}		1997 05 05.38865	14 35 19.15	−18 35 35.7	20.6	704
1997 HL_{11}		1997 05 05.40602	14 35 18.03	−18 35 33.4	19.4	704
1997 HM_{11}	*	1997 04 30.21610	14 41 27.30	−19 01 25.9	18.8	704
1997 HM_{11}		1997 04 30.23837	14 41 26.09	−19 01 21.8	18.6	704
1997 HM_{11}		1997 04 30.26091	14 41 24.74	−19 01 17.3	18.9	704
1997 HM_{11}		1997 04 30.28334	14 41 23.36	−19 01 13.2	19.6	704
1997 HM_{11}		1997 04 30.30589	14 41 22.16	−19 01 08.3	18.9	704
1997 HM_{11}		1997 05 01.22223	14 40 31.74	−18 57 56.6	19.0	704
1997 HM_{11}		1997 05 01.24469	14 40 30.43	−18 57 51.8	18.2	704
1997 HM_{11}		1997 05 01.28959	14 40 27.78	−18 57 42.2	18.1	704
1997 HM_{11}		1997 05 01.31212	14 40 26.48	−18 57 37.7	18.1	704
1997 HM_{11}		1997 05 05.33657	14 36 43.20	−18 42 58.8		704
1997 HM_{11}		1997 05 05.35393	14 36 42.15	−18 42 54.7	19.2	704
1997 HM_{11}		1997 05 05.37129	14 36 41.16	−18 42 50.9	19.2	704
1997 HM_{11}		1997 05 05.38865	14 36 40.16	−18 42 46.5	19.4	704
1997 HM_{11}		1997 05 05.40602	14 36 39.15	−18 42 43.1	18.8	704
1997 HN_{11}	*	1997 04 30.21610	14 41 36.55	−18 31 19.3	19.0	704
1997 HN_{11}		1997 04 30.23837	14 41 35.17	−18 31 12.1	18.4	704
1997 HN_{11}		1997 04 30.26091	14 41 33.74	−18 31 03.7	18.3	704
1997 HN_{11}		1997 04 30.28334	14 41 32.34	−18 30 55.2	18.4	704
1997 HN_{11}		1997 04 30.30589	14 41 30.90	−18 30 46.5	18.1	704
1997 HN_{11}		1997 05 01.22223	14 40 34.96	−18 25 04.6	17.9	704
1997 HN_{11}		1997 05 01.24469	14 40 33.53	−18 24 56.0	17.8	704
1997 HN_{11}		1997 05 01.24484	14 40 33.62	−18 24 56.5	19.7	704
1997 HN_{11}		1997 05 01.26710	14 40 32.09	−18 24 47.0	17.8	704
1997 HN_{11}		1997 05 01.26725	14 40 32.12	−18 24 46.7	19.0	704
1997 HN_{11}		1997 05 01.28959	14 40 30.67	−18 24 39.1		704
1997 HN_{11}		1997 05 01.28975	14 40 30.65	−18 24 38.6	18.9	704
1997 HN_{11}		1997 05 01.31212	14 40 29.24	−18 24 30.6	17.6	704
1997 HN_{11}		1997 05 01.31229	14 40 29.23	−18 24 30.1	18.9	704
1997 HN_{11}		1997 05 05.33676	14 36 22.74	−17 58 52.8		704
1997 HN_{11}		1997 05 05.35413	14 36 21.74	−17 58 47.6	19.7	704
1997 HN_{11}		1997 05 05.37149	14 36 20.56	−17 58 39.2	18.8	704
1997 HN_{11}		1997 05 05.38885	14 36 19.44	−17 58 32.5	18.7	704
1997 HN_{11}		1997 05 05.40621	14 36 18.35	−17 58 26.0	18.5	704
1997 HO_{11}	*	1997 04 30.21626	14 40 49.37	−17 53 57.2	19.4	704
1997 HO_{11}		1997 04 30.23853	14 40 48.27	−17 53 53.1	19.7	704
1997 HO_{11}		1997 04 30.26107	14 40 47.16	−17 53 49.9	19.1	704
1997 HO_{11}		1997 04 30.28350	14 40 45.98	−17 53 46.2	19.7	704
1997 HO_{11}		1997 04 30.30605	14 40 44.93	−17 53 42.5	19.5	704
1997 HO_{11}		1997 05 01.22239	14 40 01.06	−17 51 23.4	19.3	704
1997 HO_{11}		1997 05 01.24484	14 40 00.03	−17 51 19.6	20.0	704
1997 HO_{11}		1997 05 01.26725	14 39 58.86	−17 51 15.1	19.6	704
1997 HO_{11}		1997 05 01.28975	14 39 57.74	−17 51 12.5	19.3	704
1997 HO_{11}		1997 05 01.31229	14 39 56.62	−17 51 09.0	19.6	704
1997 HO_{11}		1997 05 05.33696	14 36 43.83	−17 40 34.6	19.9	704
1997 HO_{11}		1997 05 05.35432	14 36 42.93	−17 40 32.3	20.2	704
1997 HO_{11}		1997 05 05.37168	14 36 42.10	−17 40 30.2	20.2	704
1997 HO_{11}		1997 05 05.38904	14 36 41.20	−17 40 27.4	20.5	704
1997 HO_{11}		1997 05 05.40640	14 36 40.35	−17 40 23.7	19.9	704
1997 HP_{11}	*	1997 04 30.21626	14 41 09.88	−17 50 55.9	18.8	704
1997 HP_{11}		1997 04 30.23853	14 41 08.67	−17 50 51.1	19.0	704
1997 HP_{11}		1997 04 30.26107	14 41 07.51	−17 50 46.4	18.6	704
1997 HP_{11}		1997 04 30.28350	14 41 06.40	−17 50 41.4	19.2	704
1997 HP_{11}		1997 04 30.30605	14 41 05.24	−17 50 36.6	19.4	704
1997 HP_{11}		1997 05 05.33696	14 36 53.56	−17 31 57.5	18.9	704
1997 HP_{11}		1997 05 05.35432	14 36 52.71	−17 31 53.5	19.4	704
1997 HP_{11}		1997 05 05.37168	14 36 51.81	−17 31 49.4	19.1	704
1997 HP_{11}		1997 05 05.38904	14 36 50.93	−17 31 45.1	19.3	704
1997 HP_{11}		1997 05 05.40640	14 36 50.04	−17 31 41.9	19.4	704
1997 HQ_{11}	*	1997 04 30.21626	14 41 27.49	−17 57 58.1	19.4	704
1997 HQ_{11}		1997 04 30.23853	14 41 26.56	−17 57 51.6	19.7	704
1997 HQ_{11}		1997 04 30.26107	14 41 25.44	−17 57 45.4	19.4	704
1997 HQ_{11}		1997 04 30.28350	14 41 24.43	−17 57 38.9	19.5	704
1997 HQ_{11}		1997 05 01.22239	14 40 41.98	−17 53 01.6	19.8	704
1997 HQ_{11}		1997 05 01.24484	14 40 41.00	−17 52 55.8	20.1	704
1997 HQ_{11}		1997 05 01.26725	14 40 39.92	−17 52 48.5	19.7	704
1997 HQ_{11}		1997 05 01.28975	14 40 38.82	−17 52 41.5	19.5	704
1997 HQ_{11}		1997 05 01.31229	14 40 37.74	−17 52 34.6	19.9	704
1997 HQ_{11}		1997 05 05.34139	14 37 35.07	−17 32 24.5	19.3	704
1997 HQ_{11}		1997 05 05.35876	14 37 34.35	−17 32 19.0	19.5	704
1997 HQ_{11}		1997 05 05.37612	14 37 33.44	−17 32 12.8	19.6	704
1997 HQ_{11}		1997 05 05.39348	14 37 32.64	−17 32 07.9	20.3	704
1997 HQ_{11}		1997 05 05.41084	14 37 31.94	−17 32 03.2	19.8	704
1997 HR_{11}	*	1997 04 30.21641	14 41 04.41	−17 10 18.1	19.5	704
1997 HR_{11}		1997 04 30.23869	14 41 03.16	−17 10 11.1	19.4	704
1997 HR_{11}		1997 04 30.26123	14 41 01.78	−17 10 04.3	19.8	704
1997 HR_{11}		1997 04 30.28366	14 41 00.50	−17 09 59.0	19.5	704
1997 HR_{11}		1997 05 01.24517	14 40 07.82	−17 05 20.0	20.2	704
1997 HR_{11}		1997 05 01.26758	14 40 06.50	−17 05 12.8	20.0	704
1997 HR_{11}		1997 05 01.29008	14 40 05.24	−17 05 06.1	20.3	704
1997 HR_{11}		1997 05 01.31261	14 40 03.88	−17 05 00.2	20.1	704
1997 HS_{11}	*	1997 04 30.21641	14 41 36.12	−17 35 54.7	19.4	704
1997 HS_{11}		1997 04 30.23869	14 41 34.67	−17 35 57.6	19.3	704
1997 HS_{11}		1997 04 30.26123	14 41 33.05	−17 35 58.1	19.1	704
1997 HS_{11}		1997 04 30.28366	14 41 31.52	−17 36 01.4	19.4	704
1997 HS_{11}		1997 05 01.22255	14 40 28.97	−17 37 04.5	19.3	704

1997 HS_{11}		1997 05 01.24501	14 40 27.45	−17 37 06.7	20.0	704
1997 HS_{11}		1997 05 01.26741	14 40 25.90	−17 37 09.3	20.3	704
1997 HS_{11}		1997 05 01.28991	14 40 24.29	−17 37 10.0	19.9	704
1997 HS_{11}		1997 05 01.31245	14 40 22.72	−17 37 11.8	19.5	704
1997 HS_{11}		1997 05 05.33696	14 35 51.26	−17 41 24.4	19.3	704
1997 HS_{11}		1997 05 05.35432	14 35 50.13	−17 41 24.3	20.5	704
1997 HS_{11}		1997 05 05.37168	14 35 48.83	−17 41 25.5	19.6	704
1997 HS_{11}		1997 05 05.38904	14 35 47.56	−17 41 27.2	20.1	704
1997 HS_{11}		1997 05 05.40640	14 35 46.31	−17 41 27.2	20.2	704
1997 HT_{11}	*	1997 04 30.21658	14 40 03.09	−16 37 10.5		704
1997 HT_{11}		1997 04 30.23885	14 40 01.58	−16 37 09.0	18.1	704
1997 HT_{11}		1997 04 30.26140	14 40 00.15	−16 37 08.9		704
1997 HT_{11}		1997 04 30.28382	14 39 58.70	−16 37 07.8	18.1	704
1997 HT_{11}		1997 04 30.30638	14 39 57.23	−16 37 07.0	18.1	704
1997 HT_{11}		1997 05 01.22064	14 39 01.11	−16 36 34.0		704
1997 HT_{11}		1997 05 01.24307	14 38 59.64	−16 36 33.5		704
1997 HT_{11}		1997 05 01.26548	14 38 58.17	−16 36 32.5	18.1	704
1997 HT_{11}		1997 05 01.28797	14 38 56.69	−16 36 31.8		704
1997 HT_{11}		1997 05 01.31053	14 38 55.22	−16 36 30.9		704
1997 HU_{11}	*	1997 04 30.21658	14 40 14.43	−16 48 05.6	19.5	704
1997 HU_{11}		1997 04 30.23885	14 40 13.18	−16 47 58.6	19.7	704
1997 HU_{11}		1997 04 30.26140	14 40 11.92	−16 47 53.5	19.6	704
1997 HU_{11}		1997 04 30.28382	14 40 10.54	−16 47 46.4	19.7	704
1997 HU_{11}		1997 05 01.24307	14 39 18.19	−16 43 41.9	19.9	704
1997 HU_{11}		1997 05 01.26548	14 39 16.94	−16 43 36.7	20.0	704
1997 HU_{11}		1997 05 01.28797	14 39 15.61	−16 43 30.5	20.0	704
1997 HU_{11}		1997 05 01.31053	14 39 14.34	−16 43 26.2	19.6	704
1997 HV_{11}		1997 04 06.33001	15 03 46.17	−17 24 17.8	19.7	704
1997 HV_{11}		1997 04 06.42460	15 03 41.95	−17 24 16.5		704
1997 HV_{11}	*	1997 04 30.21658	14 41 20.56	−16 54 47.4	18.8	704
1997 HV_{11}		1997 04 30.23885	14 41 19.03	−16 54 44.5	19.0	704
1997 HV_{11}		1997 04 30.26140	14 41 17.54	−16 54 41.7	18.7	704
1997 HV_{11}		1997 04 30.28382	14 41 15.93	−16 54 39.1	19.6	704
1997 HV_{11}		1997 04 30.30638	14 41 14.57	−16 54 36.1	19.7	704
1997 HV_{11}		1997 05 01.22271	14 40 15.09	−16 52 40.6	19.2	704
1997 HV_{11}		1997 05 01.24517	14 40 13.59	−16 52 37.1	18.9	704
1997 HV_{11}		1997 05 01.26758	14 40 12.06	−16 52 34.7	19.1	704
1997 HV_{11}		1997 05 01.29008	14 40 10.54	−16 52 31.9	19.3	704
1997 HV_{11}		1997 05 01.31261	14 40 09.06	−16 52 29.1	18.9	704
1997 HV_{11}		1997 05 05.33715	14 35 47.08	−16 43 38.0	18.5	704
1997 HV_{11}		1997 05 05.35452	14 35 45.95	−16 43 35.2	18.7	704
1997 HV_{11}		1997 05 05.37187	14 35 44.74	−16 43 33.3	18.8	704
1997 HV_{11}		1997 05 05.38923	14 35 43.61	−16 43 30.9	19.0	704
1997 HV_{11}		1997 05 05.40660	14 35 42.40	−16 43 28.1	19.1	704
1997 HW_{11}	*	1997 04 30.21674	14 40 31.47	−16 04 10.6	19.1	704
1997 HW_{11}		1997 04 30.23901	14 40 30.07	−16 04 04.9	19.5	704
1997 HW_{11}		1997 04 30.26156	14 40 28.82	−16 04 02.3	19.4	704
1997 HW_{11}		1997 04 30.28398	14 40 27.26	−16 03 57.4	19.8	704
1997 HW_{11}		1997 04 30.30653	14 40 25.91	−16 03 52.5	19.4	704
1997 HW_{11}		1997 05 01.24291	14 39 30.14	−16 00 52.1	19.5	704
1997 HW_{11}		1997 05 01.26532	14 39 28.59	−16 00 49.0	19.7	704
1997 HW_{11}		1997 05 01.28781	14 39 27.33	−16 00 43.6	19.4	704
1997 HW_{11}		1997 05 01.31037	14 39 25.91	−16 00 39.7	19.4	704
1997 HW_{11}		1997 05 05.33754	14 35 22.25	−15 47 17.7	19.7	704
1997 HW_{11}		1997 05 05.35490	14 35 21.22	−15 47 12.9	20.3	704
1997 HW_{11}		1997 05 05.37226	14 35 20.17	−15 47 09.4	20.6	704
1997 HW_{11}		1997 05 05.38962	14 35 18.79	−15 47 06.6	20.4	704
1997 HW_{11}		1997 05 05.40698	14 35 17.76	−15 47 01.8	20.3	704
1997 HX_{11}		1997 04 06.34785	14 59 42.74	−16 26 44.9	20.6	704
1997 HX_{11}		1997 04 06.41896	14 59 39.98	−16 26 45.8		704
1997 HX_{11}	*	1997 04 30.21674	14 40 50.41	−16 14 33.2	19.1	704
1997 HX_{11}		1997 04 30.23901	14 40 49.20	−16 14 32.8	19.3	704
1997 HX_{11}		1997 04 30.26156	14 40 47.92	−16 14 30.3	19.0	704
1997 HX_{11}		1997 04 30.28398	14 40 46.62	−16 14 29.9	19.7	704
1997 HX_{11}		1997 04 30.30653	14 40 45.46	−16 14 28.2	19.3	704
1997 HX_{11}		1997 05 01.22287	14 39 56.28	−16 13 29.7	19.3	704
1997 HX_{11}		1997 05 01.24533	14 39 54.98	−16 13 28.8	19.2	704
1997 HX_{11}		1997 05 01.26774	14 39 53.80	−16 13 25.4	19.8	704
1997 HX_{11}		1997 05 01.29024	14 39 52.52	−16 13 25.1	19.3	704
1997 HX_{11}		1997 05 01.31277	14 39 51.27	−16 13 23.6	19.2	704
1997 HX_{11}		1997 05 05.35471	14 36 13.58	−16 08 52.3	19.3	704
1997 HX_{11}		1997 05 05.37207	14 36 12.64	−16 08 51.9	19.0	704
1997 HX_{11}		1997 05 05.38943	14 36 11.70	−16 08 50.2	19.2	704
1997 HX_{11}		1997 05 05.40679	14 36 10.74	−16 08 49.3	19.3	704
1997 HY_{11}	*	1997 04 30.21674	14 40 51.67	−16 07 13.9	19.5	704
1997 HY_{11}		1997 04 30.23901	14 40 50.11	−16 07 09.0	19.5	704
1997 HY_{11}		1997 04 30.26156	14 40 48.69	−16 07 06.3	19.4	704
1997 HY_{11}		1997 04 30.28398	14 40 47.23	−16 07 04.4	19.9	704
1997 HY_{11}		1997 04 30.30653	14 40 45.71	−16 07 01.0	19.4	704
1997 HY_{11}		1997 05 05.33754	14 35 23.69	−15 54 00.5	19.8	704
1997 HY_{11}		1997 05 05.35490	14 35 22.66	−15 53 57.6	20.4	704
1997 HY_{11}		1997 05 05.37226	14 35 21.48	−15 53 55.1	20.3	704
1997 HY_{11}		1997 05 05.38962	14 35 20.39	−15 53 51.8	20.2	704
1997 HY_{11}		1997 05 05.40698	14 35 19.23	−15 53 48.0	20.0	704
1997 HZ_{11}	*	1997 04 30.21690	14 40 19.42	−15 51 45.7	18.8	704
1997 HZ_{11}		1997 04 30.23917	14 40 18.08	−15 51 39.3	18.8	704
1997 HZ_{11}		1997 04 30.26172	14 40 16.77	−15 51 33.3	18.9	704
1997 HZ_{11}		1997 04 30.28414	14 40 15.45	−15 51 26.7	19.3	704
1997 HZ_{11}		1997 04 30.30670	14 40 14.16	−15 51 21.0	19.0	704
1997 HZ_{11}		1997 05 01.22032	14 39 23.33	−15 47 13.6	18.8	704
1997 HZ_{11}		1997 05 01.24275	14 39 22.00	−15 47 07.6	19.1	704
1997 HZ_{11}		1997 05 01.26516	14 39 20.69	−15 47 01.1	19.1	704
1997 HZ_{11}		1997 05 01.28764	14 39 19.37	−15 46 55.3	19.1	704
1997 HZ_{11}		1997 05 01.31020	14 39 18.04	−15 46 48.5	19.2	704
1997 HZ_{11}		1997 05 05.33754	14 35 31.04	−15 28 13.1	19.6	704
1997 HZ_{11}		1997 05 05.35490	14 35 29.94	−15 28 08.0	18.7	704
1997 HZ_{11}		1997 05 05.37226	14 35 28.94	−15 28 02.5	19.0	704
1997 HZ_{11}		1997 05 05.38962	14 35 27.95	−15 27 58.0	18.9	704
1997 HZ_{11}		1997 05 05.40698	14 35 26.92	−15 27 52.7	18.8	704
1997 HA_{12}	*	1997 04 30.21690	14 40 36.93	−15 33 29.0	19.2	704
1997 HA_{12}		1997 04 30.23917	14 40 35.59	−15 33 26.4	19.1	704
1997 HA_{12}		1997 04 30.26172	14 40 34.12	−15 33 23.7	19.4	704
1997 HA_{12}		1997 04 30.30670	14 40 31.22	−15 33 17.3	19.9	704
1997 HA_{12}		1997 05 01.22032	14 39 36.92	−15 31 13.8	19.4	704

1997 HA_{12}		1997 05 01.24275	14 39 35.52	−15 31 09.0	19.9		704
1997 HA_{12}		1997 05 01.26516	14 39 34.12	−15 31 06.9	19.9		704
1997 HA_{12}		1997 05 01.28764	14 39 32.71	−15 31 03.7	19.7		704
1997 HB_{12}	*	1997 04 30.21721	14 40 51.32	−14 25 44.5	19.7		704
1997 HB_{12}		1997 04 30.23949	14 40 49.91	−14 25 43.7	19.9		704
1997 HB_{12}		1997 04 30.26204	14 40 48.36	−14 25 41.4	19.9		704
1997 HB_{12}		1997 04 30.28446	14 40 46.90	−14 25 39.9	20.2		704
1997 HB_{12}		1997 05 05.33792	14 35 16.90	−14 21 18.1	19.6		704
1997 HB_{12}		1997 05 05.35528	14 35 15.73	−14 21 16.6	20.2		704
1997 HB_{12}		1997 05 05.37265	14 35 14.48	−14 21 14.7	20.4		704
1997 HB_{12}		1997 05 05.40737	14 35 12.03	−14 21 13.0	20.4		704
1997 HC_{12}	*	1997 04 30.21737	14 40 01.12	−13 49 18.6	19.6		704
1997 HC_{12}		1997 04 30.23965	14 39 59.90	−13 49 12.3	20.0		704
1997 HC_{12}		1997 04 30.26221	14 39 58.56	−13 49 04.0	19.8		704
1997 HC_{12}		1997 04 30.28462	14 39 57.25	−13 48 57.5	20.3		704
1997 HC_{12}		1997 04 30.30718	14 39 55.79	−13 48 48.0	20.2		704
1997 HC_{12}		1997 05 01.21984	14 39 06.56	−13 43 47.3	19.8		704
1997 HC_{12}		1997 05 01.24226	14 39 05.24	−13 43 40.9	20.4		704
1997 HC_{12}		1997 05 01.26469	14 39 03.98	−13 43 33.0	20.2		704
1997 HC_{12}		1997 05 01.28717	14 39 02.62	−13 43 26.7	20.1		704
1997 HC_{12}		1997 05 01.30972	14 39 01.35	−13 43 18.1	19.6		704
1997 HD_{12}	*	1997 04 30.21752	14 39 58.38	−13 10 33.8	19.1		704
1997 HD_{12}		1997 04 30.23981	14 39 57.36	−13 10 29.0	19.5		704
1997 HD_{12}		1997 04 30.26237	14 39 56.22	−13 10 24.5	20.0		704
1997 HD_{12}		1997 04 30.30735	14 39 53.94	−13 10 14.2	19.9		704
1997 HD_{12}		1997 05 01.21969	14 39 11.46	−13 06 42.3	20.0		704
1997 HD_{12}		1997 05 01.24211	14 39 10.37	−13 06 36.2	20.2		704
1997 HD_{12}		1997 05 01.26454	14 39 09.35	−13 06 31.7	19.7		704
1997 HD_{12}		1997 05 01.28701	14 39 08.27	−13 06 26.3	19.7		704
1997 HD_{12}		1997 05 01.30956	14 39 07.02	−13 06 22.3	19.9		704
1997 HD_{12}		1997 05 05.33831	14 35 58.00	−12 50 50.0	19.5		704
1997 HD_{12}		1997 05 05.35567	14 35 57.24	−12 50 46.6	20.0		704
1997 HD_{12}		1997 05 05.37303	14 35 56.47	−12 50 41.9	20.2		704
1997 HD_{12}		1997 05 05.39039	14 35 55.56	−12 50 38.3	19.9		704
1997 HD_{12}		1997 05 05.40776	14 35 54.66	−12 50 34.6	19.4		704
1997 HE_{12}		1997 04 08.39167	15 00 34.64	−12 17 33.5			704
1997 HE_{12}		1997 04 08.43424	15 00 32.83	−12 17 38.4			704
1997 HE_{12}	*	1997 04 30.21752	14 40 09.54	−13 03 40.6	18.4		704
1997 HE_{12}		1997 04 30.23981	14 40 08.08	−13 03 43.0	18.5		704
1997 HE_{12}		1997 04 30.26237	14 40 06.58	−13 03 45.7	18.3		704
1997 HE_{12}		1997 04 30.28478	14 40 05.04	−13 03 48.7	18.8		704
1997 HE_{12}		1997 04 30.30735	14 40 03.51	−13 03 51.3	18.8		704
1997 HE_{12}		1997 05 01.21969	14 39 04.69	−13 05 43.4	18.9		704
1997 HE_{12}		1997 05 01.24211	14 39 03.15	−13 05 46.1	19.0		704
1997 HE_{12}		1997 05 01.26454	14 39 01.68	−13 05 48.8	18.8		704
1997 HE_{12}		1997 05 01.28701	14 39 00.17	−13 05 51.9	18.8		704
1997 HE_{12}		1997 05 01.30956	14 38 58.64	−13 05 54.9	18.7		704
1997 HE_{12}		1997 05 05.33464	14 34 37.15	−13 14 16.1	18.8		704
1997 HE_{12}		1997 05 05.35200	14 34 35.99	−13 14 18.2	19.5		704
1997 HE_{12}		1997 05 05.36936	14 34 34.81	−13 14 20.6	19.1		704
1997 HE_{12}		1997 05 05.38673	14 34 33.63	−13 14 22.4	19.2		704
1997 HE_{12}		1997 05 05.40409	14 34 32.46	−13 14 25.0	19.2		704
1997 HF_{12}	*	1997 04 30.21769	14 40 28.94	−12 48 52.2	19.5		704
1997 HF_{12}		1997 04 30.23997	14 40 27.43	−12 48 48.5	19.7		704
1997 HF_{12}		1997 04 30.26253	14 40 25.97	−12 48 45.8	19.9		704
1997 HF_{12}		1997 04 30.30751	14 40 23.00	−12 48 36.0	19.7		704
1997 HF_{12}		1997 05 01.21953	14 39 26.15	−12 46 05.6	20.0		704
1997 HF_{12}		1997 05 01.24195	14 39 24.63	−12 46 03.5	20.1		704
1997 HF_{12}		1997 05 01.28685	14 39 21.70	−12 45 54.9	20.2		704
1997 HF_{12}		1997 05 01.30939	14 39 20.11	−12 45 50.1	20.0		704
1997 HG_{12}	*	1997 04 30.21769	14 40 38.24	−12 18 49.1	18.8		704
1997 HG_{12}		1997 04 30.23997	14 40 37.02	−12 18 38.0	18.6		704
1997 HG_{12}		1997 04 30.26253	14 40 35.70	−12 18 25.7	18.5		704
1997 HG_{12}		1997 04 30.28494	14 40 34.39	−12 18 14.7	19.6		704
1997 HG_{12}		1997 04 30.30751	14 40 33.16	−12 18 02.2	19.3		704
1997 HG_{12}		1997 05 01.21936	14 39 44.62	−12 10 02.9	19.8		704
1997 HG_{12}		1997 05 01.24179	14 39 43.20	−12 09 52.2	20.2		704
1997 HG_{12}		1997 05 01.26422	14 39 42.02	−12 09 40.2	19.9		704
1997 HG_{12}		1997 05 01.28668	14 39 40.72	−12 09 27.3	19.8		704
1997 HG_{12}		1997 05 01.30923	14 39 39.28	−12 09 17.1	20.0		704
1997 HG_{12}		1997 05 05.33888	14 36 01.82	−11 34 07.5	19.8		704
1997 HG_{12}		1997 05 05.35624	14 36 00.79	−11 33 58.7	19.9		704
1997 HG_{12}		1997 05 05.37361	14 35 59.86	−11 33 48.9	19.9		704
1997 HG_{12}		1997 05 05.39097	14 35 58.88	−11 33 40.2	19.8		704
1997 HG_{12}		1997 05 05.40833	14 35 57.94	−11 33 31.2	19.6		704
1997 HH_{12}	*	1997 04 30.21784	14 39 48.87	−11 37 10.6	19.4		704
1997 HH_{12}		1997 04 30.24013	14 39 47.81	−11 37 08.0	19.5		704
1997 HH_{12}		1997 04 30.26269	14 39 46.86	−11 37 05.1	19.2		704
1997 HH_{12}		1997 04 30.28511	14 39 45.87	−11 37 03.0	19.6		704
1997 HH_{12}		1997 05 01.21936	14 39 07.78	−11 35 38.8	19.8		704
1997 HH_{12}		1997 05 01.24179	14 39 06.80	−11 35 35.8	20.0		704
1997 HH_{12}		1997 05 01.26422	14 39 05.84	−11 35 33.6	20.3		704
1997 HH_{12}		1997 05 01.28668	14 39 04.82	−11 35 31.5	19.8		704
1997 HH_{12}		1997 05 01.30923	14 39 03.81	−11 35 30.5	20.4		704
1997 HJ_{12}	*	1997 04 30.21784	14 40 06.73	−11 59 19.3	19.7		704
1997 HJ_{12}		1997 04 30.24013	14 40 05.51	−11 59 07.4	19.6		704
1997 HJ_{12}		1997 04 30.26269	14 40 04.14	−11 58 56.5	19.6		704
1997 HJ_{12}		1997 04 30.28511	14 40 03.07	−11 58 46.4	19.9		704
1997 HJ_{12}		1997 04 30.30767	14 40 01.54	−11 58 35.0	20.0		704
1997 HJ_{12}		1997 05 01.21936	14 39 13.15	−11 51 00.4	20.1		704
1997 HJ_{12}		1997 05 01.24179	14 39 11.94	−11 50 48.7	19.7		704
1997 HJ_{12}		1997 05 01.26422	14 39 10.62	−11 50 37.8	20.3		704
1997 HJ_{12}		1997 05 01.28668	14 39 09.50	−11 50 26.8	19.8		704
1997 HK_{12}		1997 04 06.32217	14 56 39.05	−13 13 17.9	20.4		704
1997 HK_{12}		1997 04 06.41663	14 56 35.84	−13 13 00.7			704
1997 HK_{12}	*	1997 04 30.21784	14 40 19.49	−11 53 24.9	19.0		704
1997 HK_{12}		1997 04 30.24013	14 40 18.42	−11 53 20.1	19.0		704
1997 HK_{12}		1997 04 30.26269	14 40 17.32	−11 53 15.7	19.0		704
1997 HK_{12}		1997 04 30.28511	14 40 16.27	−11 53 11.4	19.4		704
1997 HK_{12}		1997 04 30.30767	14 40 15.19	−11 53 06.7	19.6		704
1997 HK_{12}		1997 05 01.21936	14 39 33.05	−11 49 50.9	19.6		704
1997 HK_{12}		1997 05 01.24179	14 39 31.88	−11 49 46.6	20.1		704
1997 HK_{12}		1997 05 01.26422	14 39 30.88	−11 49 43.6	20.1		704
1997 HK_{12}		1997 05 01.28668	14 39 29.76	−11 49 38.0	19.9		704

1997 HK_{12}		1997 05 01.30923	14 39 28.64	−11 49 33.9	20.0	704
1997 HL_{12}	*	1997 04 30.21800	14 40 16.19	−11 09 44.2	19.7	704
1997 HL_{12}		1997 04 30.24028	14 40 14.98	−11 09 38.7	19.4	704
1997 HL_{12}		1997 04 30.26285	14 40 13.77	−11 09 32.3	19.6	704
1997 HL_{12}		1997 04 30.30783	14 40 11.60	−11 09 22.6	19.5	704
1997 HL_{12}		1997 05 01.21920	14 39 27.98	−11 05 56.2	19.8	704
1997 HL_{12}		1997 05 01.24163	14 39 26.85	−11 05 51.8	20.6	704
1997 HL_{12}		1997 05 01.28652	14 39 24.65	−11 05 42.1	19.9	704
1997 HL_{12}		1997 05 01.30907	14 39 23.41	−11 05 35.6	20.1	704
1997 HM_{12}	*	1997 04 30.21800	14 40 25.01	−11 13 08.2	19.5	704
1997 HM_{12}		1997 04 30.24028	14 40 23.83	−11 12 56.5	19.5	704
1997 HM_{12}		1997 04 30.26285	14 40 22.74	−11 12 42.7	19.6	704
1997 HM_{12}		1997 04 30.30783	14 40 20.53	−11 12 19.4	19.5	704
1997 HM_{12}		1997 05 01.21920	14 39 36.46	−11 03 30.0	19.7	704
1997 HM_{12}		1997 05 01.24163	14 39 35.38	−11 03 16.5	20.3	704
1997 HM_{12}		1997 05 01.28652	14 39 32.93	−11 02 50.3	20.3	704
1997 HM_{12}		1997 05 01.30907	14 39 31.81	−11 02 36.8	20.6	704
1997 HM_{12}		1997 05 05.33908	14 36 14.97	−10 23 47.1	19.7	704
1997 HM_{12}		1997 05 05.35644	14 36 14.16	−10 23 38.4	20.1	704
1997 HM_{12}		1997 05 05.37380	14 36 13.31	−10 23 27.7	20.4	704
1997 HM_{12}		1997 05 05.39116	14 36 12.39	−10 23 17.3	20.1	704
1997 HN_{12}	*	1997 04 30.21848	14 42 27.25	−11 06 18.5	19.3	704
1997 HN_{12}		1997 04 30.24076	14 42 25.95	−11 06 10.2	19.7	704
1997 HN_{12}		1997 04 30.26334	14 42 24.77	−11 06 04.2	19.5	704
1997 HN_{12}		1997 04 30.28574	14 42 23.44	−11 05 56.0	20.1	704
1997 HN_{12}		1997 05 05.33927	14 37 50.78	−10 37 21.9	20.1	704
1997 HN_{12}		1997 05 05.35663	14 37 49.72	−10 37 17.1	19.9	704
1997 HN_{12}		1997 05 05.37399	14 37 48.79	−10 37 10.3	20.0	704
1997 HN_{12}		1997 05 05.39136	14 37 47.75	−10 37 05.1	20.1	704
1997 HN_{12}		1997 05 05.40872	14 37 46.82	−10 36 59.8	19.7	704
1997 HO_{12}	*	1997 04 30.21848	14 44 21.42	−11 22 46.4	19.2	704
1997 HO_{12}		1997 04 30.24076	14 44 20.37	−11 22 41.3	19.5	704
1997 HO_{12}		1997 04 30.26334	14 44 19.00	−11 22 35.5	19.5	704
1997 HO_{12}		1997 04 30.30831	14 44 16.39	−11 22 24.5	19.3	704
1997 HO_{12}		1997 05 05.33946	14 39 30.77	−11 02 37.8	19.4	704
1997 HO_{12}		1997 05 05.35683	14 39 29.76	−11 02 34.5	19.8	704
1997 HO_{12}		1997 05 05.37419	14 39 28.77	−11 02 30.2	20.0	704
1997 HO_{12}		1997 05 05.39155	14 39 27.68	−11 02 26.6	20.1	704
1997 HO_{12}		1997 05 05.40891	14 39 26.62	−11 02 23.3	20.4	704
1997 HP_{12}	*	1997 04 30.21911	14 43 28.78	−13 58 50.7	18.5	704
1997 HP_{12}		1997 04 30.24139	14 43 27.58	−13 58 40.2	19.0	704
1997 HP_{12}		1997 04 30.26398	14 43 26.36	−13 58 31.5	18.9	704
1997 HP_{12}		1997 04 30.28638	14 43 25.14	−13 58 22.9	18.9	704
1997 HP_{12}		1997 04 30.30894	14 43 23.90	−13 58 10.7	19.0	704
1997 HP_{12}		1997 05 01.24774	14 42 35.96	−13 51 33.1	17.3	704
1997 HP_{12}		1997 05 01.27015	14 42 34.73	−13 51 23.3	17.0	704
1997 HP_{12}		1997 05 01.29264	14 42 33.51	−13 51 13.1	17.1	704
1997 HP_{12}		1997 05 01.31537	14 42 32.25	−13 51 04.2	17.2	704
1997 HQ_{12}	*	1997 04 30.21927	14 43 27.84	−14 33 42.9	18.7	704
1997 HQ_{12}		1997 04 30.24155	14 43 26.44	−14 33 38.2	18.4	704
1997 HQ_{12}		1997 04 30.26414	14 43 25.05	−14 33 34.5	18.4	704
1997 HQ_{12}		1997 04 30.30909	14 43 22.22	−14 33 25.2	18.6	704
1997 HQ_{12}		1997 05 05.34043	14 38 14.03	−14 15 55.6	18.4	704
1997 HQ_{12}		1997 05 05.35779	14 38 12.92	−14 15 51.9	19.0	704
1997 HQ_{12}		1997 05 05.37515	14 38 11.85	−14 15 48.2	18.8	704
1997 HQ_{12}		1997 05 05.39251	14 38 10.75	−14 15 44.6	18.6	704
1997 HQ_{12}		1997 05 05.40987	14 38 09.67	−14 15 40.8	18.6	704
1997 HR_{12}	*	1997 04 30.21927	14 44 05.39	−14 08 36.6	18.2	704
1997 HR_{12}		1997 04 30.24155	14 44 04.22	−14 08 29.2	18.6	704
1997 HR_{12}		1997 04 30.26414	14 44 02.98	−14 08 20.8	18.9	704
1997 HR_{12}		1997 04 30.28654	14 44 01.83	−14 08 12.8	19.3	704
1997 HR_{12}		1997 04 30.30909	14 44 00.59	−14 08 04.4	19.1	704
1997 HR_{12}		1997 05 01.24774	14 43 12.59	−14 02 27.6	18.1	704
1997 HR_{12}		1997 05 01.27015	14 43 11.35	−14 02 19.2	17.7	704
1997 HR_{12}		1997 05 01.29264	14 43 10.18	−14 02 10.5	17.7	704
1997 HR_{12}		1997 05 01.31537	14 43 08.91	−14 02 02.6	17.6	704
1997 HS_{12}		1997 04 08.39323	15 00 09.04	−17 45 19.6		704
1997 HS_{12}		1997 04 08.43581	15 00 07.62	−17 45 13.0		704
1997 HS_{12}	*	1997 04 30.21974	14 43 55.76	−16 23 34.2	18.5	704
1997 HS_{12}		1997 04 30.24202	14 43 54.53	−16 23 29.2	18.5	704
1997 HS_{12}		1997 04 30.26462	14 43 53.34	−16 23 22.9	18.3	704
1997 HS_{12}		1997 04 30.28702	14 43 52.09	−16 23 17.6	19.2	704
1997 HS_{12}		1997 04 30.30957	14 43 50.89	−16 23 10.8	18.7	704
1997 HS_{12}		1997 05 01.22592	14 43 03.50	−16 19 00.7	18.3	704
1997 HS_{12}		1997 05 01.24837	14 43 02.24	−16 18 54.9	17.5	704
1997 HS_{12}		1997 05 01.27079	14 43 01.05	−16 18 48.8		704
1997 HS_{12}		1997 05 01.29329	14 42 59.83	−16 18 42.6	17.5	704
1997 HS_{12}		1997 05 01.31600	14 42 58.60	−16 18 36.6	17.3	704
1997 HS_{12}		1997 05 05.34101	14 39 29.48	−16 00 08.4		704
1997 HS_{12}		1997 05 05.35837	14 39 28.54	−16 00 03.7	18.4	704
1997 HS_{12}		1997 05 05.37573	14 39 27.59	−15 59 58.8	18.4	704
1997 HS_{12}		1997 05 05.39309	14 39 26.68	−15 59 54.7	18.6	704
1997 HS_{12}		1997 05 05.41045	14 39 25.71	−15 59 49.7	18.4	704
1997 HT_{12}	*	1997 04 30.22021	14 42 36.19	−17 50 55.0	17.8	704
1997 HT_{12}		1997 04 30.24250	14 42 34.69	−17 50 47.2		704
1997 HT_{12}		1997 04 30.26509	14 42 33.17	−17 50 39.7	18.0	704
1997 HT_{12}		1997 04 30.28750	14 42 31.62	−17 50 31.7	18.4	704
1997 HT_{12}		1997 04 30.31004	14 42 30.13	−17 50 24.4		704
1997 HT_{12}		1997 05 01.22255	14 41 30.99	−17 45 19.0	18.3	704
1997 HT_{12}		1997 05 01.24501	14 41 29.47	−17 45 11.9	18.9	704
1997 HT_{12}		1997 05 01.26741	14 41 27.96	−17 45 04.1	19.1	704
1997 HT_{12}		1997 05 01.28991	14 41 26.44	−17 44 57.0	18.8	704
1997 HT_{12}		1997 05 01.31245	14 41 24.94	−17 44 49.2	18.5	704
1997 HT_{12}		1997 05 05.33696	14 37 01.45	−17 21 39.5		704
1997 HT_{12}		1997 05 05.35432	14 37 00.25	−17 21 33.4	18.6	704
1997 HT_{12}		1997 05 05.37168	14 36 59.06	−17 21 27.7		704
1997 HT_{12}		1997 05 05.38904	14 36 57.91	−17 21 21.1	18.4	704
1997 HT_{12}		1997 05 05.40640	14 36 56.69	−17 21 15.0	18.7	704
1997 HU_{12}	*	1997 04 30.22021	14 43 29.71	−18 19 58.7	19.4	704
1997 HU_{12}		1997 04 30.24250	14 43 28.18	−18 19 59.3	19.2	704
1997 HU_{12}		1997 04 30.26509	14 43 26.77	−18 19 59.8	19.5	704
1997 HU_{12}		1997 04 30.31004	14 43 23.82	−18 20 00.2	19.3	704
1997 HU_{12}		1997 05 01.22639	14 42 25.39	−18 20 09.3	19.3	704
1997 HU_{12}		1997 05 01.24884	14 42 23.80	−18 20 09.7	19.6	704

1997 HU_{12}		1997 05 01.27127	14 42 22.36	−18 20 08.4	19.8	704
1997 HU_{12}		1997 05 01.29377	14 42 20.78	−18 20 09.2	19.9	704
1997 HU_{12}		1997 05 01.31648	14 42 19.14	−18 20 08.9	20.1	704
1997 HV_{12}	*	1997 04 30.22053	14 44 55.32	−18 31 15.2	18.1	704
1997 HV_{12}		1997 04 30.24281	14 44 53.98	−18 31 08.0	18.1	704
1997 HV_{12}		1997 04 30.26541	14 44 52.57	−18 31 00.6	18.3	704
1997 HV_{12}		1997 04 30.28783	14 44 51.19	−18 30 53.0	19.1	704
1997 HV_{12}		1997 04 30.31036	14 44 49.87	−18 30 45.3	18.6	704
1997 HV_{12}		1997 05 01.22655	14 43 56.29	−18 25 41.4	18.3	704
1997 HV_{12}		1997 05 01.24900	14 43 54.88	−18 25 34.1	19.0	704
1997 HV_{12}		1997 05 01.27143	14 43 53.54	−18 25 26.9	18.7	704
1997 HV_{12}		1997 05 01.29394	14 43 52.13	−18 25 19.0	18.6	704
1997 HV_{12}		1997 05 01.31664	14 43 50.71	−18 25 11.6	18.8	704
1997 HW_{12}	*	1997 04 30.22053	14 45 20.59	−18 47 54.2	18.6	704
1997 HW_{12}		1997 04 30.24281	14 45 19.31	−18 47 49.5	18.5	704
1997 HW_{12}		1997 04 30.26541	14 45 17.98	−18 47 44.7	18.6	704
1997 HW_{12}		1997 04 30.28783	14 45 16.61	−18 47 40.2	19.5	704
1997 HW_{12}		1997 04 30.31036	14 45 15.35	−18 47 35.2	18.9	704
1997 HW_{12}		1997 05 01.22655	14 44 24.41	−18 44 25.8	18.8	704
1997 HW_{12}		1997 05 01.24900	14 44 23.11	−18 44 21.5	19.4	704
1997 HW_{12}		1997 05 01.27143	14 44 21.81	−18 44 17.0	19.1	704
1997 HW_{12}		1997 05 01.29394	14 44 20.46	−18 44 12.4	18.7	704
1997 HW_{12}		1997 05 01.31664	14 44 19.15	−18 44 07.9	19.1	704
1997 HX_{12}	*	1997 04 30.22053	14 46 58.55	−18 38 33.3	19.6	704
1997 HX_{12}		1997 04 30.24281	14 46 57.12	−18 38 28.4	20.0	704
1997 HX_{12}		1997 04 30.26541	14 46 55.93	−18 38 23.6	19.5	704
1997 HX_{12}		1997 04 30.31036	14 46 53.24	−18 38 14.5	19.7	704
1997 HX_{12}		1997 05 01.22671	14 46 02.00	−18 34 38.3	19.4	704
1997 HX_{12}		1997 05 01.24916	14 46 00.73	−18 34 32.3	20.2	704
1997 HX_{12}		1997 05 01.27159	14 45 59.46	−18 34 27.4	20.1	704
1997 HX_{12}		1997 05 01.29409	14 45 58.13	−18 34 22.3	20.1	704
1997 HX_{12}		1997 05 01.31679	14 45 56.80	−18 34 16.5	19.7	704
1997 HY_{12}	*	1997 04 30.22069	14 45 45.81	−18 21 12.1	19.2	704
1997 HY_{12}		1997 04 30.24297	14 45 44.39	−18 21 09.6	19.2	704
1997 HY_{12}		1997 04 30.26557	14 45 42.79	−18 21 09.0	19.4	704
1997 HY_{12}		1997 04 30.31052	14 45 39.80	−18 21 03.6	19.1	704
1997 HY_{12}		1997 05 01.22686	14 44 40.95	−18 19 08.7	19.6	704
1997 HY_{12}		1997 05 01.24932	14 44 39.31	−18 19 03.3	19.9	704
1997 HY_{12}		1997 05 01.27175	14 44 37.86	−18 19 02.1	19.3	704
1997 HY_{12}		1997 05 01.29425	14 44 36.36	−18 18 59.6	19.6	704
1997 HY_{12}		1997 05 01.31695	14 44 34.71	−18 18 56.4	19.8	704
1997 HZ_{12}	*	1997 04 30.22069	14 46 20.78	−18 17 34.1	18.5	704
1997 HZ_{12}		1997 04 30.24297	14 46 19.36	−18 17 30.1	18.4	704
1997 HZ_{12}		1997 04 30.26557	14 46 18.06	−18 17 26.0	18.4	704
1997 HZ_{12}		1997 04 30.28799	14 46 16.70	−18 17 22.0	19.6	704
1997 HZ_{12}		1997 04 30.31052	14 46 15.40	−18 17 17.5	19.0	704
1997 HZ_{12}		1997 05 01.22686	14 45 22.44	−18 14 19.0	18.2	704
1997 HZ_{12}		1997 05 01.24932	14 45 21.10	−18 14 15.0	18.8	704
1997 HZ_{12}		1997 05 01.27175	14 45 19.75	−18 14 10.5	18.5	704
1997 HZ_{12}		1997 05 01.29425	14 45 18.41	−18 14 06.3	18.4	704
1997 HZ_{12}		1997 05 01.31695	14 45 17.04	−18 14 01.6	18.5	704
1997 HA_{13}	*	1997 04 30.22069	14 46 37.78	−18 08 19.6	18.9	704
1997 HA_{13}		1997 04 30.24297	14 46 36.19	−18 08 16.9	19.2	704
1997 HA_{13}		1997 04 30.26557	14 46 34.60	−18 08 14.3	19.3	704
1997 HA_{13}		1997 04 30.28799	14 46 33.22	−18 08 12.2	19.5	704
1997 HA_{13}		1997 05 01.22686	14 45 31.25	−18 06 27.7	19.2	704
1997 HA_{13}		1997 05 01.24932	14 45 29.68	−18 06 26.0	19.5	704
1997 HA_{13}		1997 05 01.27175	14 45 28.16	−18 06 23.0	19.4	704
1997 HA_{13}		1997 05 01.29425	14 45 26.68	−18 06 20.7	19.3	704
1997 HA_{13}		1997 05 01.31695	14 45 25.08	−18 06 17.9	19.4	704
1997 HB_{13}	*	1997 04 30.22085	14 46 57.38	−17 11 58.7	18.8	704
1997 HB_{13}		1997 04 30.24313	14 46 56.39	−17 11 48.9	18.5	704
1997 HB_{13}		1997 04 30.26573	14 46 55.34	−17 11 39.2	18.4	704
1997 HB_{13}		1997 04 30.28815	14 46 54.33	−17 11 30.0	19.3	704
1997 HB_{13}		1997 04 30.31068	14 46 53.25	−17 11 20.1	18.8	704
1997 HB_{13}		1997 05 01.22719	14 46 12.41	−17 04 39.5	18.7	704
1997 HB_{13}		1997 05 01.24964	14 46 11.41	−17 04 30.1	18.9	704
1997 HB_{13}		1997 05 01.27207	14 46 10.38	−17 04 20.5	18.9	704
1997 HB_{13}		1997 05 01.29457	14 46 09.32	−17 04 10.6	19.0	704
1997 HB_{13}		1997 05 01.31728	14 46 08.26	−17 04 00.4	19.0	704
1997 HC_{13}	*	1997 04 30.22101	14 44 43.32	−16 49 44.2	19.7	704
1997 HC_{13}		1997 04 30.24329	14 44 42.08	−16 49 37.1	19.9	704
1997 HC_{13}		1997 04 30.26589	14 44 40.83	−16 49 29.9	19.9	704
1997 HC_{13}		1997 04 30.31084	14 44 38.34	−16 49 16.2	19.9	704
1997 HC_{13}		1997 05 01.22607	14 43 50.90	−16 44 17.9	19.7	704
1997 HC_{13}		1997 05 01.24853	14 43 49.60	−16 44 11.1	20.3	704
1997 HC_{13}		1997 05 01.27096	14 43 48.42	−16 44 04.6	20.2	704
1997 HC_{13}		1997 05 01.31615	14 43 45.97	−16 43 49.5	19.8	704
1997 HD_{13}	*	1997 04 30.22101	14 46 54.68	−16 48 14.7	18.8	704
1997 HD_{13}		1997 04 30.24329	14 46 53.28	−16 48 09.0	19.2	704
1997 HD_{13}		1997 04 30.26589	14 46 51.88	−16 48 03.9	18.8	704
1997 HD_{13}		1997 04 30.31084	14 46 49.09	−16 47 52.0	19.1	704
1997 HD_{13}		1997 05 01.22719	14 45 54.25	−16 43 56.3	18.5	704
1997 HD_{13}		1997 05 01.24964	14 45 52.84	−16 43 50.0	19.2	704
1997 HD_{13}		1997 05 01.27207	14 45 51.47	−16 43 44.4	19.0	704
1997 HD_{13}		1997 05 01.29457	14 45 50.02	−16 43 38.5	18.5	704
1997 HD_{13}		1997 05 01.31728	14 45 48.62	−16 43 32.9	18.7	704
1997 HE_{13}		1997 04 06.32656	15 01 17.52	−17 00 12.3	20.3	704
1997 HE_{13}		1997 04 06.34801	15 01 16.94	−17 00 08.9	20.5	704
1997 HE_{13}		1997 04 06.41912	15 01 14.91	−17 00 02.2		704
1997 HE_{13}		1997 04 06.42116	15 01 14.86	−16 59 59.9		704
1997 HE_{13}	*	1997 04 30.22132	14 45 17.84	−15 53 01.5	19.3	704
1997 HE_{13}		1997 04 30.24362	14 45 16.88	−15 52 58.1	19.0	704
1997 HE_{13}		1997 04 30.26621	14 45 15.74	−15 52 54.1	19.1	704
1997 HE_{13}		1997 04 30.31116	14 45 13.60	−15 52 42.3	19.3	704
1997 HE_{13}		1997 05 01.22576	14 44 29.95	−15 49 32.1	19.1	704
1997 HE_{13}		1997 05 01.24821	14 44 28.86	−15 49 27.2	19.1	704
1997 HE_{13}		1997 05 01.27063	14 44 27.76	−15 49 24.1	19.2	704
1997 HE_{13}		1997 05 01.29313	14 44 26.68	−15 49 18.7	19.0	704
1997 HE_{13}		1997 05 01.31584	14 44 25.53	−15 49 13.6	19.2	704
1997 HF_{13}	*	1997 04 30.22132	14 46 25.02	−15 51 20.4	19.3	704
1997 HF_{13}		1997 04 30.24362	14 46 24.00	−15 51 15.0	19.1	704
1997 HF_{13}		1997 04 30.26621	14 46 22.86	−15 51 10.6	18.8	704
1997 HF_{13}		1997 04 30.31116	14 46 20.68	−15 50 59.3	19.1	704

1997 HF_{13}	1997 05 01.22752	14 45 37.24	−15 47 33.1	18.6		704
1997 HF_{13}	1997 05 01.24996	14 45 36.15	−15 47 28.0	19.2		704
1997 HF_{13}	1997 05 01.27238	14 45 35.04	−15 47 23.2	19.4		704
1997 HF_{13}	1997 05 01.29490	14 45 33.90	−15 47 18.1	19.0		704
1997 HF_{13}	1997 05 01.31760	14 45 32.82	−15 47 13.1	19.0		704
1997 HG_{13}	* 1997 04 30.22148	14 46 58.90	−14 52 07.1	18.8		704
1997 HG_{13}	1997 04 30.24378	14 46 57.63	−14 52 00.4	18.9		704
1997 HG_{13}	1997 04 30.26637	14 46 56.41	−14 51 52.8	18.7		704
1997 HG_{13}	1997 04 30.31133	14 46 53.83	−14 51 38.9	18.9		704
1997 HG_{13}	1997 05 01.22767	14 46 05.58	−14 46 29.3	18.1		704
1997 HG_{13}	1997 05 01.25012	14 46 04.36	−14 46 21.8	18.9		704
1997 HG_{13}	1997 05 01.27254	14 46 03.05	−14 46 14.1	18.6		704
1997 HG_{13}	1997 05 01.29505	14 46 01.80	−14 46 06.6	18.5		704
1997 HG_{13}	1997 05 01.31776	14 46 00.55	−14 45 59.2	18.6		704
1997 HH_{13}	* 1997 04 30.22181	14 44 51.18	−13 40 32.2	19.6		704
1997 HH_{13}	1997 04 30.24410	14 44 50.03	−13 40 28.3	19.8		704
1997 HH_{13}	1997 04 30.26668	14 44 48.71	−13 40 23.4	19.1		704
1997 HH_{13}	1997 04 30.28912	14 44 47.40	−13 40 19.6	20.3		704
1997 HH_{13}	1997 04 30.31165	14 44 46.22	−13 40 15.6	19.7		704
1997 HH_{13}	1997 05 01.24774	14 43 56.51	−13 37 21.2	18.0		704
1997 HH_{13}	1997 05 01.27015	14 43 55.22	−13 37 17.3	17.9		704
1997 HH_{13}	1997 05 01.29264	14 43 54.04	−13 37 12.5	17.8		704
1997 HH_{13}	1997 05 01.31537	14 43 52.70	−13 37 08.8	18.1		704
1997 HJ_{13}	* 1997 04 30.22213	14 45 57.93	−12 15 54.2	19.5		704
1997 HJ_{13}	1997 04 30.24443	14 45 57.30	−12 15 49.6	19.8		704
1997 HJ_{13}	1997 04 30.26700	14 45 56.56	−12 15 47.0	19.8		704
1997 HJ_{13}	1997 04 30.31197	14 45 55.09	−12 15 42.2	20.1		704
1997 HJ_{13}	1997 05 01.22832	14 45 28.13	−12 13 32.1	19.8		704
1997 HJ_{13}	1997 05 01.25075	14 45 27.47	−12 13 29.3	19.8		704
1997 HJ_{13}	1997 05 01.27318	14 45 26.82	−12 13 24.3	19.7		704
1997 HJ_{13}	1997 05 01.29570	14 45 26.09	−12 13 23.2	19.6		704
1997 HJ_{13}	1997 05 01.31841	14 45 25.35	−12 13 18.9	19.5		704
1997 HK_{13}	* 1997 04 30.22213	14 46 23.31	−12 25 26.5	19.2		704
1997 HK_{13}	1997 04 30.24443	14 46 22.29	−12 25 15.0	19.8		704
1997 HK_{13}	1997 04 30.26700	14 46 21.19	−12 25 01.2	19.7		704
1997 HK_{13}	1997 04 30.31197	14 46 19.06	−12 24 36.1	19.7		704
1997 HK_{13}	1997 05 01.22832	14 45 36.73	−12 16 13.2	19.4		704
1997 HK_{13}	1997 05 01.25075	14 45 35.66	−12 15 59.9	19.4		704
1997 HK_{13}	1997 05 01.27318	14 45 34.71	−12 15 48.3	19.3		704
1997 HK_{13}	1997 05 01.29570	14 45 33.66	−12 15 35.9	19.5		704
1997 HK_{13}	1997 05 01.31841	14 45 32.51	−12 15 24.2	19.2		704
1997 HL_{13}	* 1997 04 30.22246	14 45 57.41	−11 25 36.5	19.0		704
1997 HL_{13}	1997 04 30.24475	14 45 55.95	−11 25 36.2	19.7		704
1997 HL_{13}	1997 04 30.26732	14 45 54.41	−11 25 35.0	19.3		704
1997 HL_{13}	1997 04 30.28977	14 45 53.01	−11 25 36.8	20.0		704
1997 HL_{13}	1997 04 30.31260	14 45 51.38	−11 25 34.3	19.5		704
1997 HL_{13}	1997 05 01.22864	14 44 52.47	−11 25 16.9	19.3		704
1997 HL_{13}	1997 05 01.25107	14 44 50.91	−11 25 16.0	19.0		704
1997 HL_{13}	1997 05 01.27350	14 44 49.42	−11 25 15.9	19.4		704
1997 HL_{13}	1997 05 01.29602	14 44 47.88	−11 25 14.7	19.3		704
1997 HL_{13}	1997 05 01.31888	14 44 46.32	−11 25 16.3	18.8		704
1997 HM_{13}	* 1997 04 30.22246	14 47 01.98	−11 14 21.5	19.3		704
1997 HM_{13}	1997 04 30.24475	14 47 00.78	−11 14 19.1	19.8		704
1997 HM_{13}	1997 04 30.26732	14 46 59.48	−11 14 14.2	19.7		704
1997 HM_{13}	1997 04 30.31260	14 46 56.62	−11 14 07.5	20.0		704
1997 HM_{13}	1997 05 01.22864	14 46 06.76	−11 11 49.6	19.0		704
1997 HM_{13}	1997 05 01.25107	14 46 05.41	−11 11 46.7	18.9		704
1997 HM_{13}	1997 05 01.27350	14 46 04.08	−11 11 43.2	19.0		704
1997 HM_{13}	1997 05 01.29602	14 46 02.80	−11 11 40.2	19.0		704
1997 HM_{13}	1997 05 01.31888	14 46 01.30	−11 11 39.0	19.3		704
1997 HN_{13}	* 1997 04 30.22262	14 46 16.23	−10 38 04.8	19.8		704
1997 HN_{13}	1997 04 30.24491	14 46 15.01	−10 37 58.6	19.8		704
1997 HN_{13}	1997 04 30.26748	14 46 13.82	−10 37 50.5	20.3		704
1997 HN_{13}	1997 04 30.28993	14 46 12.52	−10 37 43.7	20.2		704
1997 HN_{13}	1997 04 30.31276	14 46 11.37	−10 37 35.5	19.7		704
1997 HN_{13}	1997 05 01.22880	14 45 23.66	−10 32 49.1	19.3		704
1997 HN_{13}	1997 05 01.25123	14 45 22.52	−10 32 43.1	19.9		704
1997 HN_{13}	1997 05 01.27367	14 45 21.32	−10 32 36.7	20.3		704
1997 HN_{13}	1997 05 01.29618	14 45 20.08	−10 32 28.9	20.0		704
1997 HN_{13}	1997 05 01.31905	14 45 18.64	−10 32 21.7	20.2		704
1997 HO_{13}	* 1997 04 30.22293	14 47 31.99	−11 27 54.7	19.0		704
1997 HO_{13}	1997 04 30.24523	14 47 30.57	−11 27 54.7	19.0		704
1997 HO_{13}	1997 04 30.26779	14 47 29.11	−11 27 53.9	19.0		704
1997 HO_{13}	1997 04 30.31309	14 47 26.15	−11 27 52.5	19.6		704
1997 HO_{13}	1997 05 01.22864	14 46 29.66	−11 27 28.4	19.0		704
1997 HO_{13}	1997 05 01.25107	14 46 28.18	−11 27 26.9	19.0		704
1997 HO_{13}	1997 05 01.27350	14 46 26.73	−11 27 26.7	18.6		704
1997 HO_{13}	1997 05 01.29602	14 46 25.29	−11 27 25.6	18.8		704
1997 HO_{13}	1997 05 01.31888	14 46 23.82	−11 27 26.1	18.6		704
1997 HP_{13}	* 1997 04 30.22308	14 47 43.72	−11 45 17.2	19.0		704
1997 HP_{13}	1997 04 30.24538	14 47 42.42	−11 45 07.1	19.4		704
1997 HP_{13}	1997 04 30.26795	14 47 41.18	−11 44 57.3	18.9		704
1997 HP_{13}	1997 04 30.31325	14 47 38.69	−11 44 37.8	19.2		704
1997 HP_{13}	1997 05 01.22848	14 46 51.04	−11 37 54.7	19.2		704
1997 HP_{13}	1997 05 01.25091	14 46 49.75	−11 37 44.2	20.4		704
1997 HP_{13}	1997 05 01.27334	14 46 48.52	−11 37 35.0	19.2		704
1997 HP_{13}	1997 05 01.29586	14 46 47.27	−11 37 24.8	19.3		704
1997 HP_{13}	1997 05 01.31857	14 46 45.99	−11 37 15.0	19.2		704
1997 HQ_{13}	* 1997 04 30.22324	14 47 30.02	−12 14 40.9	19.5		704
1997 HQ_{13}	1997 04 30.24554	14 47 28.67	−12 14 38.4	19.8		704
1997 HQ_{13}	1997 04 30.26811	14 47 27.43	−12 14 40.2	19.5		704
1997 HQ_{13}	1997 04 30.29058	14 47 26.17	−12 14 40.3	19.9		704
1997 HQ_{13}	1997 05 01.22832	14 46 35.96	−12 14 31.7	19.3		704
1997 HQ_{13}	1997 05 01.25075	14 46 34.72	−12 14 31.4	19.4		704
1997 HQ_{13}	1997 05 01.27318	14 46 33.49	−12 14 31.1	19.2		704
1997 HQ_{13}	1997 05 01.29570	14 46 32.25	−12 14 30.8	19.4		704
1997 HQ_{13}	1997 05 01.31841	14 46 30.91	−12 14 30.4	19.5		704
1997 HR_{13}	* 1997 04 30.22324	14 48 21.17	−12 20 29.3	19.8		704
1997 HR_{13}	1997 04 30.24554	14 48 19.86	−12 20 22.1	20.0		704
1997 HR_{13}	1997 04 30.26811	14 48 18.57	−12 20 12.7	19.7		704
1997 HR_{13}	1997 04 30.29058	14 48 17.34	−12 20 03.4	20.1		704
1997 HR_{13}	1997 04 30.31340	14 48 15.91	−12 19 53.2	19.9		704
1997 HR_{13}	1997 05 01.25188	14 47 25.17	−12 13 38.5	20.0		704
1997 HR_{13}	1997 05 01.27430	14 47 23.88	−12 13 29.3	19.7		704

1997 HR_{13}		1997 05 01.29682	14 47 22.65	−12 13 19.6	19.7	704
1997 HR_{13}		1997 05 01.32030	14 47 21.20	−12 13 10.3	19.7	704
1997 HS_{13}	*	1997 04 30.22324	14 48 46.88	−12 27 01.2	18.5	704
1997 HS_{13}		1997 04 30.24554	14 48 45.81	−12 26 50.7	19.5	704
1997 HS_{13}		1997 04 30.26811	14 48 44.74	−12 26 41.0	18.8	704
1997 HS_{13}		1997 04 30.29058	14 48 43.66	−12 26 31.4	19.3	704
1997 HS_{13}		1997 04 30.31340	14 48 42.58	−12 26 21.3	19.1	704
1997 HS_{13}		1997 05 01.22944	14 48 00.39	−12 19 35.3	18.9	704
1997 HS_{13}		1997 05 01.25188	14 47 59.33	−12 19 25.5	18.4	704
1997 HS_{13}		1997 05 01.27430	14 47 58.23	−12 19 15.4	18.5	704
1997 HS_{13}		1997 05 01.29682	14 47 57.17	−12 19 05.8	18.3	704
1997 HS_{13}		1997 05 01.32030	14 47 56.06	−12 18 55.1	18.4	704
1997 HT_{13}	*	1997 04 30.22355	14 48 37.12	−13 43 08.4	19.5	704
1997 HT_{13}		1997 04 30.26842	14 48 34.69	−13 43 07.0	19.4	704
1997 HT_{13}		1997 04 30.29090	14 48 33.45	−13 43 06.7	19.6	704
1997 HT_{13}		1997 04 30.31372	14 48 32.14	−13 43 05.9	19.7	704
1997 HT_{13}		1997 05 01.22975	14 47 45.13	−13 42 21.8	19.4	704
1997 HT_{13}		1997 05 01.25221	14 47 43.97	−13 42 19.2	19.5	704
1997 HT_{13}		1997 05 01.27462	14 47 42.75	−13 42 18.9	18.8	704
1997 HT_{13}		1997 05 01.29715	14 47 41.51	−13 42 17.7	19.5	704
1997 HT_{13}		1997 05 01.32061	14 47 40.26	−13 42 16.9	19.4	704
1997 HU_{13}		1997 04 06.33376	15 09 26.86	−15 15 57.1	20.0	704
1997 HU_{13}		1997 04 06.42836	15 09 22.92	−15 15 53.1		704
1997 HU_{13}	*	1997 04 30.22372	14 48 04.65	−14 37 46.7	19.3	704
1997 HU_{13}		1997 04 30.24601	14 48 03.17	−14 37 44.0	19.8	704
1997 HU_{13}		1997 04 30.26858	14 48 01.75	−14 37 42.0	19.4	704
1997 HU_{13}		1997 04 30.31388	14 47 58.63	−14 37 36.2	20.0	704
1997 HU_{13}		1997 05 01.22784	14 47 01.97	−14 35 40.5	19.4	704
1997 HU_{13}		1997 05 01.25028	14 47 00.46	−14 35 40.0	20.2	704
1997 HU_{13}		1997 05 01.27270	14 46 58.99	−14 35 34.9	19.7	704
1997 HU_{13}		1997 05 01.29521	14 46 57.56	−14 35 31.2	20.1	704
1997 HV_{13}	*	1997 04 30.22582	14 27 11.30	−11 40 47.2	20.1	704
1997 HV_{13}		1997 04 30.24824	14 27 09.91	−11 40 46.8	20.3	704
1997 HV_{13}		1997 04 30.27070	14 27 08.55	−11 40 43.2	20.1	704
1997 HV_{13}		1997 04 30.29332	14 27 07.05	−11 40 42.8	20.6	704
1997 HV_{13}		1997 05 01.20966	14 26 14.05	−11 39 39.2	19.7	704
1997 HV_{13}		1997 05 01.23201	14 26 12.69	−11 39 36.3	20.3	704
1997 HV_{13}		1997 05 01.25447	14 26 11.33	−11 39 35.9	19.6	704
1997 HV_{13}		1997 05 01.27691	14 26 09.99	−11 39 34.0	19.7	704
1997 HV_{13}		1997 05 01.29942	14 26 08.54	−11 39 31.3	20.1	704
1997 HW_{13}	*	1997 04 30.23141	14 34 41.98	−12 51 45.2	20.2	704
1997 HW_{13}		1997 04 30.25383	14 34 41.01	−12 51 39.6	19.7	704
1997 HW_{13}		1997 04 30.27629	14 34 39.96	−12 51 35.5	20.1	704
1997 HW_{13}		1997 04 30.29892	14 34 38.85	−12 51 32.3	20.0	704
1997 HW_{13}		1997 05 05.33310	14 30 52.00	−12 33 39.6	19.9	704
1997 HW_{13}		1997 05 05.35046	14 30 51.16	−12 33 35.6	20.3	704
1997 HW_{13}		1997 05 05.36782	14 30 50.37	−12 33 32.8	20.5	704
1997 HW_{13}		1997 05 05.38519	14 30 49.56	−12 33 29.1	20.6	704
1997 HW_{13}		1997 05 05.40255	14 30 48.67	−12 33 25.5	20.6	704
1997 HX_{13}	*	1997 04 30.23253	14 33 04.75	−17 11 12.3	19.8	704
1997 HX_{13}		1997 04 30.25496	14 33 03.34	−17 11 05.3	19.9	704
1997 HX_{13}		1997 04 30.27739	14 33 01.77	−17 10 58.1	19.8	704
1997 HX_{13}		1997 04 30.30002	14 33 00.28	−17 10 53.2	20.2	704
1997 HX_{13}		1997 05 05.33040	14 27 38.94	−16 45 51.7	19.5	704
1997 HX_{13}		1997 05 05.34776	14 27 37.81	−16 45 46.9	19.7	704
1997 HX_{13}		1997 05 05.36512	14 27 36.75	−16 45 40.4	20.3	704
1997 HX_{13}		1997 05 05.38248	14 27 35.59	−16 45 36.8	20.3	704
1997 HY_{13}	*	1997 04 30.23412	14 36 04.77	−14 34 28.7	20.4	704
1997 HY_{13}		1997 04 30.25657	14 36 03.72	−14 34 19.9	20.1	704
1997 HY_{13}		1997 04 30.27898	14 36 02.92	−14 34 12.5	20.1	704
1997 HY_{13}		1997 04 30.30159	14 36 01.53	−14 34 04.6	20.3	704
1997 HY_{13}		1997 05 01.21793	14 35 21.01	−14 28 54.0	19.9	704
1997 HY_{13}		1997 05 01.24035	14 35 20.02	−14 28 47.5	20.4	704
1997 HY_{13}		1997 05 01.28524	14 35 17.94	−14 28 30.5	20.2	704
1997 HY_{13}		1997 05 01.30778	14 35 16.73	−14 28 23.0	20.3	704
1997 HZ_{13}	*	1997 04 30.23600	14 38 31.82	−13 37 20.7	19.5	704
1997 HZ_{13}		1997 04 30.25850	14 38 30.28	−13 37 15.6	19.5	704
1997 HZ_{13}		1997 04 30.28090	14 38 28.74	−13 37 10.7	19.6	704
1997 HZ_{13}		1997 04 30.30349	14 38 27.31	−13 37 05.8	19.6	704
1997 HZ_{13}		1997 05 01.21984	14 37 29.15	−13 33 30.2	19.5	704
1997 HZ_{13}		1997 05 01.24226	14 37 27.67	−13 33 23.8	19.7	704
1997 HZ_{13}		1997 05 01.26469	14 37 26.13	−13 33 18.7	20.0	704
1997 HZ_{13}		1997 05 01.28717	14 37 24.73	−13 33 13.8	19.8	704
1997 HZ_{13}		1997 05 01.30972	14 37 23.19	−13 33 08.0	19.6	704
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1997 HA_{14}		1997 04 30.26446	14 42 56.10	−15 32 24.1	19.4	704
1997 HA_{14}		1997 04 30.28685	14 42 54.83	−15 32 19.9	19.7	704
1997 HA_{14}		1997 04 30.30941	14 42 53.49	−15 32 15.1	19.3	704
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1997 HA_{14}		1997 05 01.26790	14 42 02.18	−15 29 12.3	20.4	704
1997 HA_{14}		1997 05 01.29040	14 42 01.11	−15 29 09.3	20.2	704
1997 HL_{14}		1997 04 03.27600	12 47 17.37	−05 40 21.2	19.2	704
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1997 JA		1997 04 30.23584	14 38 34.35	−12 54 45.4		704
1997 JA		1997 04 30.25834	14 38 33.24	−12 54 40.7		704
1997 JA		1997 04 30.28074	14 38 32.14	−12 54 36.1		704
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1997 JA		1997 05 01.28701	14 37 44.26	−12 51 21.1		704
1997 JA		1997 05 01.30956	14 37 43.16	−12 51 17.0	18.5	704
1997 JA		1997 05 05.33445	14 34 32.26	−12 38 27.9		704
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1997 JZ		1997 04 30.25673	14 36 57.62	−14 00 57.7	18.5	704
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1997 JZ		1997 05 01.21808	14 36 07.88	−13 49 20.1		704
1997 JZ		1997 05 01.24050	14 36 06.67	−13 49 04.0	18.5	704
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1997 JJ_2		1997 04 30.27102	14 26 11.99	−10 21 38.0	19.7	704
1997 JJ_2		1997 04 30.29365	14 26 10.42	−10 21 34.2	20.1	704
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1997 JV_3		1997 05 01.23504	14 31 13.79	−17 26 23.5	20.2	704
1997 JV_3		1997 05 01.25750	14 31 12.45	−17 26 15.2	20.4	704
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1997 JV_3		1997 05 05.38248	14 27 32.80	−16 53 05.5	20.5	704
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1997 JW_3		1997 05 01.25782	14 31 12.25	−16 04 31.2	19.7	704
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1997 JW_3		1997 05 05.34737	14 27 19.90	−15 43 14.5	19.6	704
1997 JW_3		1997 05 05.36473	14 27 18.83	−15 43 08.1	19.9	704
1997 JW_3		1997 05 05.38210	14 27 17.77	−15 43 02.5	19.9	704
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1997 JX_3		1997 05 05.34641	14 27 40.14	−12 41 19.6	20.7	704
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1997 JO_4	1997 05 05.32770	14 26 52.43	−12 46 30.9	20.1	704	9544 P-L	1997 04 28.26425	10 27 49.73	+10 55 06.6	19.7	704
1997 JO_4	1997 05 05.34506	14 26 51.59	−12 46 27.3	20.4	704	9544 P-L	1997 04 28.29947	10 27 50.03	+10 55 05.9	19.7	704
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1997 JO_4	1997 05 05.37978	14 26 49.97	−12 46 19.0	20.2	704	9544 P-L	1997 04 29.17693	10 28 02.86	+10 54 56.9	19.3	704
1997 JO_4	1997 05 05.39714	14 26 48.96	−12 46 12.5	20.4	704	9544 P-L	1997 04 29.20541	10 28 03.24	+10 54 56.8	19.3	704
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1997 JP_4	1997 05 01.28943	14 41 08.30	−19 23 29.9	18.5	704	1146 T-1	1997 04 30.24427	14 45 45.10	−12 53 04.1	18.3	704
1997 JP_4	1997 05 01.31197	14 41 06.99	−19 23 29.0	18.8	704	1146 T-1	1997 04 30.26684	14 45 43.90	−12 52 56.2	18.2	704
1997 JP_4	1997 05 05.34197	14 37 38.60	−19 19 39.0	19.6	704	1146 T-1	1997 04 30.28928	14 45 42.70	−12 52 47.8	19.0	704
1997 JP_4	1997 05 05.35934	14 37 37.68	−19 19 36.6	19.6	704	1146 T-1	1997 04 30.31181	14 45 41.54	−12 52 39.8	18.7	704
1997 JP_4	1997 05 05.37670	14 37 36.80	−19 19 34.9	19.9	704	1146 T-1	1997 05 01.22832	14 44 55.05	−12 47 03.4	18.4	704
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1997 JP_4	1997 05 05.41142	14 37 34.85	−19 19 33.1	20.2	704	1146 T-1	1997 05 01.27318	14 44 52.72	−12 46 46.6	18.5	704
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1997 JQ_4	1997 05 05.37535	14 38 49.42	−15 10 08.9	20.0	704	2291 T-1	1997 04 30.30302	14 38 18.77	−11 54 28.5		704
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1997 JB_{12}	1997 04 11.35924	15 12 43.51	−15 22 55.8	18.7	704	2291 T-1	1997 05 01.28668	14 37 22.76	−11 51 18.2		704
1997 JB_{12}	1997 04 11.41722	15 12 41.52	−15 22 52.7		704	2291 T-1	1997 05 01.30923	14 37 21.40	−11 51 13.8		704
1997 JJ_{12}	1997 04 11.35957	15 12 35.19	−14 34 53.1	20.0	704	2291 T-1	1997 05 05.33426	14 33 30.43	−11 38 23.1		704
1997 JJ_{12}	1997 04 11.41754	15 12 33.23	−14 34 44.8		704	2291 T-1	1997 05 05.35162	14 33 29.39	−11 38 19.7		704
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1997 JP_{12}	1997 04 11.36180	15 14 43.83	−15 07 30.0	18.5	704	2291 T-1	1997 05 05.40370	14 33 26.32	−11 38 10.0		704
1997 JP_{12}	1997 04 11.41979	15 14 41.84	−15 07 20.1		704	3338 T-1	1997 04 30.20529	14 28 24.79	−15 36 02.9		704
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2600 P-L	1997 04 30.27644	14 33 59.08	−14 03 23.2	19.9	704	3338 T-1	1997 04 30.29507	14 28 19.41	−15 35 51.3	18.5	704
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(1018)	1997 04 29.26298	10 32 12.12	+10 31 56.4	704	(2079)	1997 04 28.21576	10 48 52.88	+04 27 15.4	18.6	704
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(1376)	1997 04 29.20604	10 30 56.43	+10 24 35.5	704	(2163)	1997 05 01.26341	14 34 59.22	−11 42 22.6	18.6	704
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(6735)	1997 04 30.30878	14 43 41.95	−12 50 30.8		704
(6735)	1997 05 05.33985	14 38 14.54	−12 31 36.8		704
(6735)	1997 05 05.35721	14 38 13.40	−12 31 32.9		704
(6735)	1997 05 05.37457	14 38 12.25	−12 31 28.2	19.0	704
(6735)	1997 05 05.39193	14 38 11.05	−12 31 25.3		704
(6735)	1997 05 05.40929	14 38 09.91	−12 31 21.2		704
(6736)	1997 04 30.20784	14 31 09.81	−12 35 44.9	18.4	704
(6736)	1997 04 30.23015	14 31 08.42	−12 35 40.6		704
(6736)	1997 04 30.25254	14 31 06.98	−12 35 36.0		704
(6736)	1997 04 30.27501	14 31 05.59	−12 35 31.5		704
(6736)	1997 04 30.29766	14 31 04.17	−12 35 26.4	19.3	704
(6736)	1997 05 01.21394	14 30 08.78	−12 32 18.7		704
(6736)	1997 05 01.23633	14 30 07.39	−12 32 14.2	18.6	704
(6736)	1997 05 01.25879	14 30 05.98	−12 32 09.6	18.7	704
(6736)	1997 05 01.28124	14 30 04.59	−12 32 04.9		704
(6736)	1997 05 01.30376	14 30 03.15	−12 32 00.3		704
(6736)	1997 05 05.32770	14 26 02.39	−12 18 32.9		704
(6736)	1997 05 05.34506	14 26 01.31	−12 18 29.5		704
(6736)	1997 05 05.36242	14 26 00.26	−12 18 26.2		704
(6736)	1997 05 05.37978	14 25 59.21	−12 18 22.6	18.5	704
(6736)	1997 05 05.39714	14 25 58.14	−12 18 19.1		704
(6778)	1997 04 30.22246	14 46 04.08	−11 10 38.6		704
(6778)	1997 04 30.24475	14 46 02.94	−11 10 33.4		704
(6778)	1997 04 30.26732	14 46 01.71	−11 10 28.8		704
(6778)	1997 04 30.28977	14 46 00.68	−11 10 23.7		704
(6778)	1997 04 30.31260	14 45 59.45	−11 10 18.2		704
(6778)	1997 05 01.22864	14 45 13.77	−11 06 52.7		704
(6778)	1997 05 01.25107	14 45 12.61	−11 06 47.2		704
(6778)	1997 05 01.29602	14 45 10.31	−11 06 37.3		704
(6778)	1997 05 01.31888	14 45 09.12	−11 06 33.0		704
(6854)	1997 04 30.21403	14 39 38.90	−14 59 13.1	18.9	704
(6854)	1997 04 30.23631	14 39 37.65	−14 59 06.8	18.8	704
(6854)	1997 04 30.25883	14 39 36.31	−14 58 58.1	19.3	704
(6854)	1997 04 30.28123	14 39 35.02	−14 58 53.8	18.8	704
(6854)	1997 04 30.30380	14 39 33.76	−14 58 47.5	18.8	704
(6854)	1997 05 01.22016	14 38 41.94	−14 54 16.2		704
(6854)	1997 05 01.24259	14 38 40.62	−14 54 09.6	18.5	704
(6854)	1997 05 01.26501	14 38 39.30	−14 54 02.9	18.8	704
(6854)	1997 05 01.31004	14 38 36.69	−14 53 49.8		704

(7205)	1997 05 01.21712	14 36 21.63	−17 46 34.5			704
(7205)	1997 05 01.23953	14 36 20.38	−17 46 28.5			704
(7205)	1997 05 01.26196	14 36 19.16	−17 46 22.4			704
(7205)	1997 05 01.28445	14 36 17.91	−17 46 16.0			704
(7205)	1997 05 01.30697	14 36 16.67	−17 46 10.0			704
(7205)	1997 05 05.33599	14 32 41.83	−17 27 18.8			704
(7205)	1997 05 05.35335	14 32 40.90	−17 27 13.4			704
(7205)	1997 05 05.37072	14 32 39.94	−17 27 08.4			704
(7205)	1997 05 05.38807	14 32 38.99	−17 27 03.2			704
(7205)	1997 05 05.40543	14 32 38.04	−17 26 58.1			704
(7483)	1997 05 01.21443	14 31 37.20	−10 56 45.5	18.6		704
(7483)	1997 05 01.23681	14 31 36.15	−10 56 41.4	18.8		704
(7483)	1997 05 01.25928	14 31 35.08	−10 56 38.0	19.1		704
(7483)	1997 05 01.28172	14 31 34.01	−10 56 33.6	18.8		704
(7483)	1997 05 01.30425	14 31 32.94	−10 56 29.3	18.6		704
(7483)	1997 05 05.32847	14 28 29.12	−10 44 40.4			704
(7483)	1997 05 05.34583	14 28 28.29	−10 44 37.2	18.6		704
(7483)	1997 05 05.36319	14 28 27.50	−10 44 34.4			704
(7483)	1997 05 05.38055	14 28 26.68	−10 44 31.4			704
(7483)	1997 05 05.39792	14 28 25.89	−10 44 28.3			704
(7516)	1997 04 28.18297	10 49 26.31	+09 26 21.8	18.8		704
(7516)	1997 04 28.21730	10 49 26.26	+09 26 27.0	18.8		704
(7516)	1997 04 28.25188	10 49 26.15	+09 26 31.0	19.2		704
(7516)	1997 04 28.28707	10 49 26.08	+09 26 35.4	19.4		704
(7516)	1997 04 28.32219	10 49 25.77	+09 26 41.1	20.1		704
(7516)	1997 04 29.16674	10 49 26.54	+09 28 30.6	19.0		704
(7516)	1997 04 29.19521	10 49 26.47	+09 28 35.1	19.0		704
(7516)	1997 04 29.22398	10 49 26.52	+09 28 39.2	19.4		704
(7516)	1997 04 29.25238	10 49 26.45	+09 28 42.7	19.4		704
(7516)	1997 04 29.28101	10 49 26.43	+09 28 46.7	19.4		704
(7610)	1997 04 28.18356	10 48 35.06	+11 20 51.5	19.2		704
(7610)	1997 04 28.21786	10 48 35.07	+11 20 47.8	19.2		704
(7610)	1997 04 28.25244	10 48 35.11	+11 20 43.2	19.3		704
(7610)	1997 04 28.28763	10 48 35.15	+11 20 40.9	19.5		704
(7610)	1997 04 28.32278	10 48 35.01	+11 20 36.5	19.9		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

1992 GA_4	1997 04 29.17683	09 50 41.45	+13 12 43.2	18.8	V		709
1992 GA_4	1997 04 29.18235	09 50 41.57	+13 12 42.8	18.8	V		709
1992 GA_4	1997 04 29.18928	09 50 41.68	+13 12 42.1	18.9	V		709
1992 GA_4	1997 04 29.19624	09 50 41.82	+13 12 41.4	18.9	V		709
1992 GA_4	1997 04 29.20343	09 50 41.96	+13 12 40.9	19.0	V		709
1993 FV_{31}	1997 05 14.12319	14 29 13.89	−09 27 45.4	17.9	V		709
1993 FV_{31}	1997 05 14.13262	14 29 13.40	−09 27 43.9	17.9	V		709
1993 FV_{31}	1997 05 14.13718	14 29 13.15	−09 27 43.2	17.8	V		709
1993 FV_{31}	1997 05 14.14413	14 29 12.78	−09 27 42.0	17.7	V		709
1993 FV_{31}	1997 05 14.15129	14 29 12.40	−09 27 40.8	17.8	V		709
1994 PK_{38}	1997 04 20.10810	09 50 24.37	+13 35 56.6	18.9	V	F	709
1994 PK_{38}	1997 04 20.12513	09 50 24.62	+13 35 56.2	18.9	V		709
1994 PK_{38}	1997 04 20.15894	09 50 24.99	+13 35 54.6	19.3	V	F	709
1994 PK_{38}	1997 04 29.14911	09 53 14.03	+13 25 36.7	19.4	V		709
1994 PK_{38}	1997 04 29.15455	09 53 14.16	+13 25 35.9	19.3	V		709
1994 PK_{38}	1997 04 29.16149	09 53 14.30	+13 25 35.6	19.3	V		709
1994 PK_{38}	1997 04 29.16848	09 53 14.45	+13 25 35.0	19.1	V		709
1995 TD	1997 04 29.12023	09 32 37.03	+11 29 14.0	18.9	V		709
1995 TD	1997 04 29.12934	09 32 37.31	+11 29 14.1	19.2	V		709
1995 TD	1997 04 29.13603	09 32 37.56	+11 29 14.3	19.2	V		709
1995 TD	1997 04 29.14134	09 32 37.73	+11 29 14.1	18.9	V		709
1995 TD	1997 05 01.22635	09 33 50.88	+11 29 02.4	18.2	V	F	709
1995 TD	1997 05 01.23494	09 33 51.17	+11 29 01.6	18.9	V	W	709
1995 TD	1997 05 01.23935	09 33 51.26	+11 29 01.3	18.4	V		709
1995 TD	1997 05 01.24501	09 33 51.51	+11 29 01.6	18.5	V		709
1995 TD	1997 05 01.25126	09 33 51.72	+11 29 01.3	18.7	V		709
1995 TD	1997 05 01.25564	09 33 51.88	+11 29 01.2	18.5	V		709
1997 EC_{26}	1997 05 08.12439	10 09 26.75	+11 34 46.1	19.5	V	F	709
1997 EC_{26}	1997 05 08.13412	10 09 27.45	+11 34 41.4	19.6	V	F	709
1997 EC_{26}	1997 05 08.14135	10 09 27.65	+11 34 38.7	19.7	V	F	709
1997 EC_{26}	1997 05 08.14748	10 09 28.16	+11 34 37.1	19.7	V		709
1997 EC_{26}	1997 05 08.15498	10 09 28.58	+11 34 34.1	20.0	V	F	709
1997 EC_{26}	1997 05 08.16192	10 09 29.13	+11 34 30.9	20.3	V		709
1997 EC_{26}	1997 05 08.16890	10 09 29.44	+11 34 29.7	19.7	V		709
1997 EC_{26}	1997 05 08.17591	10 09 29.85	+11 34 26.3	20.3	V	F	709
1997 FD	1997 04 29.22103	10 01 55.74	+14 10 24.8	19.5	V		709
1997 FD	1997 04 29.22566	10 01 55.90	+14 10 25.0	19.5	V		709
1997 FD	1997 04 29.23166	10 01 56.18	+14 10 23.9	19.5	V		709
1997 FD	1997 04 29.23849	10 01 56.51	+14 10 23.0	19.4	V		709
1997 FD	1997 04 29.24500	10 01 56.79	+14 10 22.2	19.6	V		709
1997 FD	1997 04 29.24971	10 01 57.05	+14 10 21.6	19.3	V		709
1997 JE	* 1997 05 01.17648	10 02 52.78	+12 12 12.4	19.8	V	F	709
1997 JE	1997 05 01.18229	10 02 53.06	+12 12 11.1	19.7	V	F	709
1997 JE	1997 05 01.18806	10 02 53.39	+12 12 09.2	20.5	V	I	709
1997 JE	1997 05 01.19383	10 02 53.59	+12 12 09.0	19.5	V		709
1997 JE	1997 05 01.19959	10 02 53.84	+12 12 07.9	19.5	V		709
1997 JE	1997 05 01.20537	10 02 54.10	+12 12 06.7	19.4	V		709
1997 JE	1997 05 01.21113	10 02 54.37	+12 12 05.6	19.5	V		709
1997 JE	1997 05 01.21691	10 02 54.62	+12 12 04.5	19.7	V		709
1997 JE	1997 05 03.17741	10 04 29.60	+12 05 21.5	19.1	V		709
1997 JE	1997 05 03.18286	10 04 29.87	+12 05 19.9	19.1	V		709
1997 JE	1997 05 03.18829	10 04 30.11	+12 05 19.3	19.2	V		709
1997 JE	1997 05 03.19372	10 04 30.36	+12 05 17.3	19.0	V		709
1997 JE	1997 05 03.19913	10 04 30.61	+12 05 16.6	19.0	V		709
1997 JE	1997 05 07.24284	10 08 03.41	+11 49 33.4			I	709
1997 JE	1997 05 07.26584	10 08 04.60	+11 49 28.6	20.6	V		709
1997 JE	1997 05 07.27146	10 08 04.90	+11 49 26.6			F	709
(3727)	1997 05 07.16074	10 07 26.29	+11 44 55.3	17.1	V		709
(3727)	1997 05 07.17227	10 07 26.48	+11 44 54.9	17.1	V		709
(3727)	1997 05 07.17785	10 07 26.56	+11 44 54.7	17.1	V		709
(3727)	1997 05 07.18343	10 07 26.64	+11 44 54.5	17.2	V		709

711 McDonald Observatory

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

Observers P. J. Shelus, J. G. Ries
0.76-m telescope with Prime Focus Corrector + CCD
GSC 1.1

1982 UC_{11}	1997 05 15.34074	16 30 10.62	−21 50 05.3	711
1982 UC_{11}	1997 05 15.35385	16 30 09.81	−21 50 02.5	711
1994 RQ	1997 05 15.29593	15 06 51.95	−18 11 50.6	711
1994 RQ	1997 05 15.30900	15 06 51.17	−18 11 48.0	711
1994 TB_{15}	1997 05 15.36985	16 41 56.53	−29 18 31.0	711
1994 TB_{15}	1997 05 15.38310	16 41 55.80	−29 18 30.4	711
1995 GO	1997 05 14.21872	13 09 19.50	−13 54 08.5	711
1995 GO	1997 05 14.23206	13 09 19.31	−13 54 07.7	711
1996 RG_3	1997 05 14.24584	13 22 07.53	−01 50 45.6	711
1996 RG_3	1997 05 14.25904	13 22 07.08	−01 50 45.8	711
1997 BR	1997 05 14.13359	09 04 06.47	+73 48 23.3	711
1997 BR	1997 05 14.14327	09 04 07.01	+73 48 29.2	711
1997 CU_{26}	1997 05 14.12074	08 26 24.48	+15 25 14.5	711
1997 CU_{26}	1997 05 14.12571	08 26 24.53	+15 25 14.2	711
1997 GH_3	1997 05 14.19129	11 38 22.25	+07 09 27.6	711
1997 GH_3	1997 05 14.19748	11 38 23.81	+07 09 18.1	711
(15)	1997 05 13.43442	18 12 59.19	−32 42 25.7	711
(15)	1997 05 13.43781	18 12 59.06	−32 42 25.3	711
(183)	1997 05 14.36505	18 52 27.02	+04 30 31.2	711
(183)	1997 05 14.36786	18 52 26.97	+04 30 31.8	711
(2060)	1997 05 14.26726	13 40 43.08	−10 20 50.6	711
(2060)	1997 05 14.27025	13 40 43.02	−10 20 50.3	711
(2060)	1997 05 15.23069	13 40 29.79	−10 19 12.4	711
(2060)	1997 05 15.23486	13 40 29.73	−10 19 12.0	711
(2118)	1997 05 15.24027	13 40 27.32	−19 35 48.4	711
(2118)	1997 05 15.24593	13 40 27.08	−19 35 46.9	711
(2257)	1997 05 15.25308	14 06 09.05	−14 36 27.2	711
(2257)	1997 05 15.26149	14 06 08.64	−14 36 24.3	711
(3352)	1997 05 13.45056	19 25 00.67	−19 45 03.2	711
(3352)	1997 05 13.46423	19 25 00.44	−19 45 04.2	711
(3671)	1997 05 15.22213	13 37 43.33	+26 46 12.4	711
(3671)	1997 05 15.22585	13 37 42.84	+26 46 10.8	711
(4341)	1997 05 14.37254	17 13 43.60	+05 37 55.1	711
(4341)	1997 05 14.37562	17 13 42.89	+05 37 51.3	711
(4341)	1997 05 15.42593	17 09 49.67	+05 16 53.0	711
(4341)	1997 05 15.42973	17 09 48.81	+05 16 48.5	711
(4775)	1997 05 15.20770	13 38 30.69	−24 36 17.6	711
(4775)	1997 05 15.21575	13 38 30.09	−24 36 14.3	711
(5145)	1997 05 14.20354	13 04 51.37	+20 12 26.7	711
(5145)	1997 05 14.20913	13 04 51.31	+20 12 26.5	711
(5145)	1997 05 15.18793	13 04 41.82	+20 12 02.9	711
(5145)	1997 05 15.19785	13 04 41.74	+20 12 02.5	711

721 Lime Creek
R. Linderholm, R2 Box 79, Cambridge, NE 69022, U.S.A.
[lindh@csb.cambridge.ne.us]
0.25-m $f/3.3$ Schmidt-Cassegrain + CCD
GSC

1997 JV_2	* 1997 05 04.19803	15 30 50.05	+00 51 35.0	19.1	V	721
1997 JV_2	1997 05 04.34427	15 30 43.78	+00 52 17.1	19.5	V	721
1997 JV_2	1997 05 06.15117	15 29 27.21	+01 00 55.6	19.3	V	721
1997 JV_2	1997 05 06.23079	15 29 23.82	+01 01 18.0	19.6	V	721
1997 JG_{11}	* 1997 05 15.26786	17 20 23.76	+00 11 01.2	19.3	V	721
1997 JG_{11}	1997 05 15.34034	17 20 20.98	+00 11 29.1			721
1997 JG_{11}	1997 05 16.25071	17 19 47.24	+00 17 21.8	19.3	V	721
1997 JG_{11}	1997 05 16.35939	17 19 42.87	+00 18 06.5			721

748 Van Allen Observatory
R. DeMartino, 138 Harding Ave., West Haven, CT 06516, U.S.A.
[astro1@sprynet.com]
Observer J. Sippel
Measurer R. DeMartino
0.18-m $f/7$ refractor + CCD
GSC

(47)	1997 04 15.23404	11 08 24.17	+06 18 19.7	12.9		748
(585)	1997 04 15.17418	11 27 40.42	+04 50 51.7	13.4		748
(585)	1997 04 15.24015	11 27 39.19	+04 51 15.8	13.6		748
(636)	1997 04 15.16337	11 53 56.83	+06 42 45.2	14.6		748
(890)	1997 04 15.16032	11 22 01.45	+09 24 05.4	14.9		748
(890)	1997 04 15.23709	11 21 59.69	+09 24 25.9	14.9		748
(1830)	1997 04 15.14501	10 59 34.59	+10 22 22.2	15.1		748
(1830)	1997 04 15.23111	10 59 33.42	+10 22 32.6	15.4		748

750 Hobbs Observatory, Fall Creek
R. Elliott, S475 County Road K, Fall Creek, WI 54742, U.S.A.
[elliottb@uwec.edu]
0.60-m $f/5$ reflector + CCD
GSC

(1657)	1997 05 17.21701	12 05 17.59	+36 45 10.6	15.9	R	750
(1657)	1997 05 17.22986	12 05 18.18	+36 44 55.5	16.1	R	750

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

(16)	1997 04 03.18324	10 30 42.19	+10 35 21.3	10.7	V	784
(16)	1997 04 05.18179	10 29 53.87	+10 40 54.7	11.3	V	784
(985)	1997 04 07.10329	08 50 39.80	+14 23 09.8	17.0	V	784
(985)	1997 04 08.12309	08 50 49.44	+14 22 52.6	17.2	V	784
(985)	1997 04 08.13582	08 50 49.61	+14 22 52.4	16.9	V	784
(985)	1997 04 08.14066	08 50 49.68	+14 22 52.3	17.2	V	784
(985)	1997 04 15.06476	08 52 33.96	+14 18 26.6	16.1		784
(985)	1997 04 15.14109	08 52 35.25	+14 18 21.3	16.6		784
(1738)	1997 04 08.17730	12 27 45.20	+01 54 05.2	16.1	V	784
(1738)	1997 04 15.07766	12 20 51.24	+02 22 20.4	16.1		784
(1738)	1997 04 15.15174	12 20 46.85	+02 22 35.6	15.7		784

801 Oak Ridge

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Observers J. Degnan, J. Zajac

1.5-m reflector + CCD

GSC

1973 AW_3	1997 04 09.22920	13 54 35.47	−03 03 55.8		801
1973 AW_3	1997 04 09.24885	13 54 34.40	−03 03 53.0		801
1984 CM	1997 04 08.17850	12 28 32.47	+01 42 03.5		801
1984 CM	1997 04 08.19477	12 28 31.64	+01 42 05.2		801
1988 KA	1997 04 08.25235	14 17 48.41	−07 25 25.4		801
1988 KA	1997 04 08.27435	14 17 47.16	−07 25 18.7		801
1991 PX_{17}	1997 04 09.07803	10 00 00.58	+14 45 09.5		801
1991 PX_{17}	1997 04 09.14168	09 59 59.67	+14 44 58.9		801
1993 VM_1	1997 04 09.11666	11 05 59.17	+14 01 43.2		801
1993 VM_1	1997 04 09.15200	11 05 58.50	+14 02 14.7		801
1994 RX_1	1997 04 08.17411	10 53 56.76	+10 19 53.8		801
1994 RX_1	1997 04 08.18625	10 53 56.33	+10 20 03.6		801
1994 RX_1	1997 04 09.10852	10 53 34.58	+10 32 26.1		801
1994 RX_1	1997 04 09.12758	10 53 34.06	+10 32 41.6		801
1997 DF	1997 03 13.17311	08 44 38.89	+24 44 43.7		801
1997 DF	1997 03 13.18922	08 44 39.22	+24 45 01.3		801
(7535)	1997 04 09.09372	10 31 39.56	+17 01 02.8		801
(7535)	1997 04 09.14594	10 31 38.26	+17 00 55.2		801

809 European Southern Observatory

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C.-I. Lagerkvist, Uppsala Observatory, Box 515, S-75120 Uppsala, Sweden [classe@astro.uu.se] (8)

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

Measurers E. W. Elst, O. Hernius, C.-I. Lagerkvist

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

1953 TA_1	1997 03 13.23056	13 33 37.92	−12 30 12.0		4	809
1953 TA_1	1997 03 13.25243	13 33 37.14	−12 30 06.1		4	809
1953 TA_1	1997 03 13.26181	13 33 36.68	−12 30 03.0		4	809
1973 SP_1	1996 09 11.11515	22 42 09.67	−08 39 18.4		8	809
1973 SP_1	1996 09 11.11825	22 42 09.58	−08 39 18.7		8	809
1979 MR_2	1997 03 12.22917	13 32 58.54	−10 23 03.0	18.4	4	809
1979 MR_2	1997 03 12.24236	13 32 58.13	−10 23 01.5		4	809
1979 MR_2	1997 03 12.25556	13 32 57.67	−10 23 00.2		4	809
1982 UD_7	1997 03 12.22917	13 25 34.02	−10 56 00.4	18.3	4	809
1982 UD_7	1997 03 12.24236	13 25 33.58	−10 55 55.9		4	809
1982 UD_7	1997 03 12.25556	13 25 33.08	−10 55 53.7		4	809
1982 UD_7	1997 03 13.23056	13 25 01.21	−10 51 20.8		4	809
1982 UD_7	1997 03 13.25243	13 25 00.48	−10 51 14.5		4	809
1982 UD_7	1997 03 13.26181	13 25 00.09	−10 51 11.8		4	809
1982 WE	1997 05 03.05486	15 03 47.36	−13 26 45.4		4	809
1982 WE	1997 05 03.06806	15 03 46.48	−13 26 46.2		4	809
1982 WE	1997 05 03.08125	15 03 45.68	−13 26 46.1		4	809
1982 WE	1997 05 04.07500	15 02 45.51	−13 26 34.6	18.5	4	809
1982 WE	1997 05 04.08819	15 02 44.68	−13 26 36.3		4	809
1982 WE	1997 05 04.10139	15 02 43.92	−13 26 34.7		4	809
1985 CV_1	1997 03 12.22917	13 38 06.45	−08 44 02.3	18.4	4	809
1985 CV_1	1997 03 12.24236	13 38 06.00	−08 44 00.2		4	809
1985 CV_1	1997 03 12.25556	13 38 05.67	−08 43 58.6		4	809
1985 CV_1	1997 03 13.23056	13 37 40.15	−08 41 45.8		4	809
1985 CV_1	1997 03 13.25243	13 37 39.56	−08 41 42.9		4	809
1985 CV_1	1997 03 13.26181	13 37 39.25	−08 41 41.2		4	809
1985 TB_3	1997 03 12.22917	13 40 00.45	−08 32 38.1	18.5	4	809
1985 TB_3	1997 03 12.24236	13 40 00.03	−08 32 33.7		4	809
1985 TB_3	1997 03 12.25556	13 39 59.62	−08 32 29.5		4	809
1985 TB_3	1997 03 13.23056	13 39 28.16	−08 27 31.7		4	809
1985 TB_3	1997 03 13.25243	13 39 27.57	−08 27 25.9		4	809
1985 TB_3	1997 03 13.26181	13 39 27.11	−08 27 22.1		4	809
1985 UG_2	1997 05 03.05486	14 56 38.14	−13 32 13.0		4	809
1985 UG_2	1997 05 03.06806	14 56 37.27	−13 32 09.8		4	809
1985 UG_2	1997 05 03.08125	14 56 36.47	−13 32 06.7		4	809
1985 UG_2	1997 05 04.07500	14 55 34.46	−13 27 15.2	18.3	4	809
1985 UG_2	1997 05 04.08819	14 55 33.57	−13 27 11.3		4	809
1985 UG_2	1997 05 04.10139	14 55 32.75	−13 27 06.6		4	809
1990 SR_6	1997 05 03.05486	14 51 22.71	−14 57 32.4		4	809
1990 SR_6	1997 05 03.06806	14 51 21.84	−14 57 30.8		4	809
1990 SR_6	1997 05 03.08125	14 51 21.06	−14 57 27.8		4	809
1990 SR_6	1997 05 04.07500	14 50 25.64	−14 53 51.3	18.5	4	809
1990 SR_6	1997 05 04.08819	14 50 24.86	−14 53 49.2		4	809
1990 SR_6	1997 05 04.10139	14 50 24.06	−14 53 45.0		4	809
1990 WZ	1992 04 07.14618	10 35 27.16	+04 24 15.0	17.8	8	809
1990 WZ	1997 03 12.22917	13 20 29.63	−08 13 58.2	18.5	4	809
1990 WZ	1997 03 12.24236	13 20 29.25	−08 13 53.4		4	809
1990 WZ	1997 03 12.25556	13 20 28.83	−08 13 48.0		4	809
1991 EA_4	1997 03 12.22917	13 23 56.72	−09 17 06.7	18.3	4	809
1991 EA_4	1997 03 12.24236	13 23 56.18	−09 17 03.3		4	809
1991 EA_4	1997 03 12.25556	13 23 55.77	−09 17 01.7		4	809
1991 EA_4	1997 03 13.23056	13 23 24.07	−09 14 13.0		4	809
1991 EA_4	1997 03 13.25243	13 23 23.43	−09 14 08.8		4	809
1991 EA_4	1997 03 13.26181	13 23 22.93	−09 14 06.9		4	809
1991 GM_9	1997 05 03.05486	15 01 19.37	−13 49 05.3		4	809
1991 GM_9	1997 05 03.06806	15 01 18.71	−13 49 02.4		4	809
1991 GM_9	1997 05 03.08125	15 01 18.03	−13 49 00.9		4	809
1991 GM_9	1997 05 04.07500	15 00 31.67	−13 45 40.5	18.4	4	809
1991 GM_9	1997 05 04.08819	15 00 31.04	−13 45 38.6		4	809
1991 GM_9	1997 05 04.10139	15 00 30.41	−13 45 34.4		4	809
1991 RA	1996 09 13.24583	23 47 48.48	−05 20 28.1		8	809
1991 RA	1996 09 14.14583	23 46 08.24	−05 11 33.2		8	809
1993 BO_3	1997 05 03.05486	15 08 15.95	−12 38 32.5		4	809
1993 BO_3	1997 05 03.06806	15 08 15.09	−12 38 30.2		4	809
1993 BO_3	1997 05 03.08125	15 08 14.40	−12 38 28.3		4	809
1993 BO_3	1997 05 04.07500	15 07 12.10	−12 35 28.3	18.4	4	809
1993 BO_3	1997 05 04.08819	15 07 11.26	−12 35 27.0		4	809
1993 BO_3	1997 05 04.10139	15 07 10.46	−12 35 22.4		4	809
1993 FR_3	1997 05 03.05486	15 05 44.91	−14 20 31.3		4	809
1993 FR_3	1997 05 03.06806	15 05 44.21	−14 20 25.7		4	809

1993 FR_3	1997 05 03.08125	15 05 43.48	−14 20 19.9		4	809
1993 FR_3	1997 05 04.07500	15 04 50.82	−14 13 09.8	18.0	4	809
1993 FR_3	1997 05 04.08819	15 04 50.13	−14 13 03.8		4	809
1993 FR_3	1997 05 04.10139	15 04 49.40	−14 12 56.0		4	809
1993 FM_{10}	1997 05 03.05486	15 05 21.86	−14 56 22.2		4	809
1993 FM_{10}	1997 05 03.06806	15 05 21.09	−14 56 18.8		4	809
1993 FM_{10}	1997 05 03.08125	15 05 20.35	−14 56 18.2		4	809
1993 FM_{10}	1997 05 04.07500	15 04 24.57	−14 53 47.4	18.3	4	809
1993 FM_{10}	1997 05 04.08819	15 04 23.86	−14 53 45.9		4	809
1993 FM_{10}	1997 05 04.10139	15 04 23.10	−14 53 42.2		4	809
1993 FP_{84}	* 1993 03 18.21840	12 34 27.04	−00 12 42.0	17.9	8	809
1993 FP_{84}	1993 03 19.21875	12 33 33.69	−00 07 29.0	17.0	8	809
1993 FP_{84}	1993 03 23.12188	12 29 59.73	+00 13 34.1	17.9	8	809
1993 QQ_4	1993 08 15.25764	23 40 54.43	−02 19 14.9	18.3	4	809
1993 QQ_4	1993 08 15.27083	23 40 53.94	−02 19 19.5		4	809
1993 QQ_4	1993 08 15.28403	23 40 53.58	−02 19 22.5		4	809
1994 EH_7	1994 02 13.27847	11 40 46.46	+12 12 40.0	18.3	4	809
1994 EH_7	1994 02 13.29028	11 40 45.85	+12 12 41.1		4	809
1994 EH_7	1994 02 13.30208	11 40 45.40	+12 12 43.8		4	809
1994 PY_{17}	1994 09 04.24722	22 49 16.02	−05 33 44.2	18.4	4	809
1994 PY_{17}	1994 09 04.26042	22 49 15.35	−05 33 49.0		4	809
1994 PY_{17}	1994 09 04.27361	22 49 14.68	−05 33 52.8		4	809
1994 SF_{12}	1992 03 06.16389	10 17 30.53	+12 33 54.8	19.7	8	809
1994 TE_3	1997 03 12.22917	13 26 14.89	−08 46 57.3	18.5	4	809
1994 TE_3	1997 03 12.24236	13 26 14.52	−08 46 55.0		4	809
1994 TE_3	1997 03 12.25556	13 26 14.11	−08 46 51.6		4	809
1994 TE_3	1997 03 13.23056	13 25 43.74	−08 43 24.3		4	809
1994 TE_3	1997 03 13.25243	13 25 43.12	−08 43 20.7		4	809
1994 TE_3	1997 03 13.26181	13 25 42.73	−08 43 18.7		4	809
1994 UK_5	1997 05 03.05486	15 06 52.80	−16 58 26.5		4	809
1994 UK_5	1997 05 03.06806	15 06 52.09	−16 58 24.8		4	809
1994 UK_5	1997 05 03.08125	15 06 51.44	−16 58 24.4		4	809
1994 UK_5	1997 05 04.07500	15 06 00.91	−16 55 42.4	18.6	4	809
1994 UK_5	1997 05 04.08819	15 06 00.08	−16 55 39.2		4	809
1994 UK_5	1997 05 04.10139	15 05 59.53	−16 55 35.9		4	809
1995 FH_5	1996 09 15.16667	23 58 28.77	−05 16 06.4		8	809
1995 UY_3	1997 03 12.22917	13 30 22.26	−10 46 37.4	18.5	4	809
1995 UY_3	1997 03 12.24236	13 30 21.74	−10 46 35.2		4	809
1995 UY_3	1997 03 12.25556	13 30 21.24	−10 46 32.0		4	809
1995 UY_3	1997 03 13.23056	13 29 45.52	−10 42 45.5		4	809
1995 UY_3	1997 03 13.25243	13 29 44.77	−10 42 40.9		4	809
1995 UY_3	1997 03 13.26181	13 29 44.26	−10 42 37.9		4	809
1996 RX	1996 09 12.06250	22 44 02.89	−04 16 12.7		8	809
1996 RX	1996 09 13.05208	22 42 21.25	−04 06 09.0		8	809
1996 RG_3	1996 09 11.19028	23 07 02.97	−07 14 33.7		8	809
1996 RE_{26}	1996 09 12.06250	22 36 01.27	−05 04 49.8		8	809
1996 RE_{26}	1996 09 13.05208	22 34 06.78	−04 52 17.4		8	809
1996 RD_{27}	1996 09 11.15604	22 43 36.80	−08 21 02.3		8	809
1996 RD_{27}	1996 09 12.06250	22 41 56.48	−08 08 22.6		8	809
1996 RD_{27}	1996 09 13.05208	22 40 06.82	−07 54 25.8		8	809
1996 RP_{33}	* 1996 09 10.11667	22 44 33.42	−10 53 08.0		8	809
1996 RP_{33}	1996 09 12.10764	22 43 16.77	−11 20 49.8		8	809
1996 RQ_{33}	* 1996 09 11.12986	22 52 10.99	−16 46 35.6		8	809
1996 RQ_{33}	1996 09 14.10486	22 47 59.70	−16 24 54.4		8	809
1996 RR_{33}	* 1996 09 12.06250	22 33 29.10	−04 27 09.3		8	809
1996 RR_{33}	1996 09 13.05208	22 32 46.32	−04 42 53.3		8	809
1996 RS_{33}	* 1996 09 12.06250	22 40 59.77	−07 48 16.1		8	809
1996 RS_{33}	1996 09 13.05208	22 40 20.11	−08 02 00.6		8	809
1996 RT_{33}	* 1996 09 12.15417	23 16 21.00	−11 44 21.1		8	809
1996 RT_{33}	1996 09 16.24306	23 13 27.23	−12 41 34.9		8	809
1996 RU_{33}	* 1996 09 14.06458	23 22 18.85	−04 54 36.0		8	809
1996 RU_{33}	1996 09 15.31736	23 21 12.95	−05 20 03.7		8	809
1996 SK	1996 09 13.15139	23 07 13.40	−03 28 36.5		8	809
1996 TP_3	1996 09 13.24583	00 06 58.41	−01 51 54.6		8	809
1996 TP_3	1996 09 14.22986	00 05 25.70	−01 40 13.7		8	809
1996 TB_{15}	1996 09 14.34861	23 53 01.41	+06 25 46.4		8	809
1996 TB_{15}	1996 09 16.17361	23 50 06.11	+06 35 59.6		8	809
1997 EQ_{46}	* 1997 03 12.22917	13 21 04.48	−11 32 04.0	18.4	4	809
1997 EQ_{46}	1997 03 12.24236	13 21 03.76	−11 32 07.1		4	809
1997 EQ_{46}	1997 03 12.25556	13 21 03.06	−11 32 09.7		4	809
1997 EQ_{46}	1997 03 13.23056	13 20 13.20	−11 35 49.6		4	809
1997 EQ_{46}	1997 03 13.25243	13 20 12.07	−11 35 53.9		4	809
1997 EQ_{46}	1997 03 13.26181	13 20 11.48	−11 35 56.0		4	809
1997 ER_{46}	* 1997 03 12.22917	13 23 45.67	−09 49 49.4	18.6	4	809
1997 ER_{46}	1997 03 12.24236	13 23 45.20	−09 49 48.7		4	809
1997 ER_{46}	1997 03 12.25556	13 23 44.79	−09 49 44.1		4	809
1997 ER_{46}	1997 03 13.23056	13 23 17.35	−09 45 16.4		4	809
1997 ER_{46}	1997 03 13.25243	13 23 16.85	−09 45 11.1		4	809
1997 ER_{46}	1997 03 13.26181	13 23 16.41	−09 45 07.0		4	809
1997 ES_{46}	* 1997 03 12.22917	13 23 47.65	−12 18 25.5	18.8	4	809
1997 ES_{46}	1997 03 12.24236	13 23 47.06	−12 18 25.0		4	809
1997 ES_{46}	1997 03 12.25556	13 23 46.68	−12 18 25.9		4	809
1997 ES_{46}	1997 03 13.23056	13 23 19.03	−12 18 30.4		4	809
1997 ES_{46}	1997 03 13.25243	13 23 18.38	−12 18 31.4		4	809
1997 ES_{46}	1997 03 13.26181	13 23 17.99	−12 18 33.0		4	809
1997 ET_{46}	* 1997 03 12.22917	13 24 44.06	−10 53 33.4	18.5	4	809
1997 ET_{46}	1997 03 12.24236	13 24 43.59	−10 53 29.6		4	809
1997 ET_{46}	1997 03 12.25556	13 24 43.13	−10 53 22.3		4	809
1997 ET_{46}	1997 03 13.23056	13 24 17.86	−10 48 21.9		4	809
1997 ET_{46}	1997 03 13.25243	13 24 17.30	−10 48 16.6		4	809
1997 ET_{46}	1997 03 13.26181	13 24 16.97	−10 48 14.7		4	809
1997 EU_{46}	* 1997 03 12.22917	13 25 53.13	−11 17 55.2	18.4	4	809
1997 EU_{46}	1997 03 12.24236	13 25 52.70	−11 17 51.8		4	809
1997 EU_{46}	1997 03 12.25556	13 25 52.29	−11 17 50.4		4	809
1997 EU_{46}	1997 03 13.23056	13 25 25.92	−11 15 28.3		4	809
1997 EU_{46}	1997 03 13.25243	13 25 25.30	−11 15 26.6		4	809
1997 EU_{46}	1997 03 13.26181	13 25 24.90	−11 15 25.1		4	809
1997 EV_{46}	* 1997 03 12.22917	13 29 01.17	−12 09 16.2	18.3	4	809
1997 EV_{46}	1997 03 12.24236	13 29 00.72	−12 09 16.6		4	809
1997 EV_{46}	1997 03 12.25556	13 29 00.31	−12 09 16.5		4	809
1997 EV_{46}	1997 03 13.23056	13 28 33.52	−12 08 59.8		4	809
1997 EV_{46}	1997 03 13.25243	13 28 32.89	−12 08 59.0		4	809
1997 EV_{46}	1997 03 13.26181	13 28 32.55	−12 08 58.6		4	809
1997 EW_{46}	* 1997 03 12.22917	13 29 37.16	−09 34 18.2	18.5	4	809

1997 EW_{46}		1997 03 12.24236	13 29 36.80	−09 34 12.0		4	809
1997 EW_{46}		1997 03 12.25556	13 29 36.57	−09 34 07.0		4	809
1997 EW_{46}		1997 03 13.23056	13 29 12.21	−09 25 34.8		4	809
1997 EW_{46}		1997 03 13.25243	13 29 11.78	−09 25 25.7		4	809
1997 EW_{46}		1997 03 13.26181	13 29 11.38	−09 25 20.8		4	809
1997 EX_{46}	*	1997 03 12.22917	13 30 26.89	−09 47 37.3	18.5	4	809
1997 EX_{46}		1997 03 12.24236	13 30 26.54	−09 47 32.9		4	809
1997 EX_{46}		1997 03 12.25556	13 30 26.11	−09 47 29.4		4	809
1997 EX_{46}		1997 03 13.23056	13 29 59.62	−09 42 38.5		4	809
1997 EX_{46}		1997 03 13.25243	13 29 59.06	−09 42 32.6		4	809
1997 EX_{46}		1997 03 13.26181	13 29 58.67	−09 42 29.3		4	809
1997 EY_{46}	*	1997 03 12.22917	13 31 52.30	−09 58 14.5	18.6	4	809
1997 EY_{46}		1997 03 12.24236	13 31 51.78	−09 58 11.5		4	809
1997 EY_{46}		1997 03 12.25556	13 31 51.35	−09 58 09.0		4	809
1997 EY_{46}		1997 03 13.23056	13 31 18.88	−09 54 19.5		4	809
1997 EY_{46}		1997 03 13.25243	13 31 18.24	−09 54 15.3		4	809
1997 EY_{46}		1997 03 13.26181	13 31 17.75	−09 54 12.5		4	809
1997 EZ_{46}	*	1997 03 12.22917	13 32 56.38	−08 56 27.5	18.6	4	809
1997 EZ_{46}		1997 03 12.24236	13 32 55.97	−08 56 23.1		4	809
1997 EZ_{46}		1997 03 12.25556	13 32 55.51	−08 56 17.6		4	809
1997 EZ_{46}		1997 03 13.23056	13 32 23.87	−08 50 46.8		4	809
1997 EZ_{46}		1997 03 13.25243	13 32 23.14	−08 50 41.4		4	809
1997 EZ_{46}		1997 03 13.26181	13 32 22.70	−08 50 35.4		4	809
1997 EA_{47}	*	1997 03 12.22917	13 33 08.21	−08 56 09.9	18.4	4	809
1997 EA_{47}		1997 03 12.24236	13 33 07.82	−08 56 09.4		4	809
1997 EA_{47}		1997 03 12.25556	13 33 07.41	−08 56 07.8		4	809
1997 EA_{47}		1997 03 13.23056	13 32 40.41	−08 55 18.4		4	809
1997 EA_{47}		1997 03 13.25243	13 32 39.84	−08 55 17.0		4	809
1997 EA_{47}		1997 03 13.26181	13 32 39.40	−08 55 16.8		4	809
1997 EB_{47}	*	1997 03 12.22917	13 33 19.33	−10 39 42.5	18.7	4	809
1997 EB_{47}		1997 03 12.24236	13 33 18.96	−10 39 41.4		4	809
1997 EB_{47}		1997 03 12.25556	13 33 18.70	−10 39 43.1		4	809
1997 EB_{47}		1997 03 13.23056	13 33 00.25	−10 40 04.4		4	809
1997 EB_{47}		1997 03 13.25243	13 32 59.82	−10 40 04.5		4	809
1997 EB_{47}		1997 03 13.26181	13 32 59.39	−10 40 03.9		4	809
1997 EC_{47}	*	1997 03 12.22917	13 33 27.20	−12 08 45.0	18.3	4	809
1997 EC_{47}		1997 03 12.24236	13 33 27.09	−12 08 28.1		4	809
1997 EC_{47}		1997 03 12.25556	13 33 26.94	−12 08 10.7		4	809
1997 EC_{47}		1997 03 13.23056	13 33 21.46	−11 46 43.9		4	809
1997 EC_{47}		1997 03 13.25243	13 33 21.29	−11 46 18.1		4	809
1997 EC_{47}		1997 03 13.26181	13 33 21.16	−11 46 03.7		4	809
1997 ED_{47}	*	1997 03 12.22917	13 33 46.98	−07 30 52.8	19.2	4	809
1997 ED_{47}		1997 03 12.24236	13 33 46.45	−07 30 47.9		4	809
1997 ED_{47}		1997 03 12.25556	13 33 45.92	−07 30 44.2		4	809
1997 ED_{47}		1997 03 13.23056	13 33 11.73	−07 26 17.2		4	809
1997 ED_{47}		1997 03 13.25243	13 33 10.95	−07 26 09.7		4	809
1997 ED_{47}		1997 03 13.26181	13 33 10.58	−07 26 08.5		4	809
1997 EE_{47}	*	1997 03 12.22917	13 33 48.80	−11 10 56.7	19.0	4	809
1997 EE_{47}		1997 03 12.24236	13 33 48.34	−11 10 57.3		4	809
1997 EE_{47}		1997 03 12.25556	13 33 48.00	−11 10 54.1		4	809
1997 EE_{47}		1997 03 13.23056	13 33 19.97	−11 08 38.8		4	809
1997 EE_{47}		1997 03 13.25243	13 33 19.32	−11 08 36.5		4	809
1997 EE_{47}		1997 03 13.26181	13 33 19.00	−11 08 35.4		4	809
1997 EF_{47}	*	1997 03 12.22917	13 35 32.59	−07 49 39.1	18.6	4	809
1997 EF_{47}		1997 03 12.24236	13 35 32.09	−07 49 39.0		4	809
1997 EF_{47}		1997 03 12.25556	13 35 31.60	−07 49 38.7		4	809
1997 EF_{47}		1997 03 13.23056	13 34 58.69	−07 49 28.8		4	809
1997 EF_{47}		1997 03 13.25243	13 34 57.97	−07 49 29.6		4	809
1997 EF_{47}		1997 03 13.26181	13 34 57.51	−07 49 28.9		4	809
1997 EG_{47}	*	1997 03 12.22917	13 36 00.60	−10 04 37.3	18.3	4	809
1997 EG_{47}		1997 03 12.24236	13 36 00.29	−10 04 33.2		4	809
1997 EG_{47}		1997 03 12.25556	13 35 59.95	−10 04 29.7		4	809
1997 EG_{47}		1997 03 13.23056	13 35 38.97	−10 00 09.4		4	809
1997 EG_{47}		1997 03 13.25243	13 35 38.51	−10 00 03.7		4	809
1997 EG_{47}		1997 03 13.26181	13 35 38.19	−10 00 01.1		4	809
1997 EH_{47}	*	1997 03 12.22917	13 36 16.88	−09 40 54.8	18.4	4	809
1997 EH_{47}		1997 03 12.24236	13 36 16.26	−09 40 55.9		4	809
1997 EH_{47}		1997 03 12.25556	13 36 15.67	−09 40 56.8		4	809
1997 EH_{47}		1997 03 13.23056	13 35 34.38	−09 42 30.9		4	809
1997 EH_{47}		1997 03 13.25243	13 35 33.47	−09 42 33.1		4	809
1997 EH_{47}		1997 03 13.26181	13 35 32.92	−09 42 33.8		4	809
1997 EJ_{47}	*	1997 03 12.22917	13 36 18.69	−11 02 53.7	19.5	4	809
1997 EJ_{47}		1997 03 12.24236	13 36 18.10	−11 02 57.7		4	809
1997 EJ_{47}		1997 03 12.25556	13 36 17.49	−11 02 57.8		4	809
1997 EJ_{47}		1997 03 13.23056	13 35 34.75	−11 06 09.8		4	809
1997 EJ_{47}		1997 03 13.25243	13 35 33.81	−11 06 15.3		4	809
1997 EJ_{47}		1997 03 13.26181	13 35 33.42	−11 06 17.9		4	809
1997 EK_{47}	*	1997 03 12.22917	13 36 26.15	−09 45 54.9	18.5	4	809
1997 EK_{47}		1997 03 12.24236	13 36 25.78	−09 45 50.3		4	809
1997 EK_{47}		1997 03 12.25556	13 36 25.47	−09 45 47.3		4	809
1997 EK_{47}		1997 03 13.23056	13 35 59.87	−09 41 10.8		4	809
1997 EK_{47}		1997 03 13.25243	13 35 59.26	−09 41 06.2		4	809
1997 EK_{47}		1997 03 13.26181	13 35 59.00	−09 41 03.1		4	809
1997 EL_{47}	*	1997 03 12.22917	13 36 32.03	−12 02 53.4	18.5	4	809
1997 EL_{47}		1997 03 12.24236	13 36 31.49	−12 02 54.8		4	809
1997 EL_{47}		1997 03 12.25556	13 36 31.02	−12 02 57.0		4	809
1997 EL_{47}		1997 03 13.23056	13 36 00.03	−12 04 40.0		4	809
1997 EL_{47}		1997 03 13.25243	13 35 59.35	−12 04 41.4		4	809
1997 EL_{47}		1997 03 13.26181	13 35 58.86	−12 04 42.0		4	809
1997 EM_{47}	*	1997 03 12.22917	13 36 42.41	−11 23 38.7	19.2	4	809
1997 EM_{47}		1997 03 12.24236	13 36 41.87	−11 23 37.8		4	809
1997 EM_{47}		1997 03 12.25556	13 36 41.33	−11 23 40.7		4	809
1997 EM_{47}		1997 03 13.23056	13 36 04.22	−11 24 35.6		4	809
1997 EM_{47}		1997 03 13.25243	13 36 03.44	−11 24 41.2		4	809
1997 EM_{47}		1997 03 13.26181	13 36 03.04	−11 24 41.3		4	809
1997 EN_{47}	*	1997 03 12.22917	13 37 04.91	−10 44 46.6	19.0	4	809
1997 EN_{47}		1997 03 12.24236	13 37 04.69	−10 44 43.5		4	809
1997 EN_{47}		1997 03 12.25556	13 37 04.37	−10 44 42.6		4	809
1997 EN_{47}		1997 03 13.23056	13 36 44.91	−10 41 46.2		4	809
1997 EN_{47}		1997 03 13.25243	13 36 44.43	−10 41 42.8		4	809
1997 EN_{47}		1997 03 13.26181	13 36 44.14	−10 41 42.5		4	809
1997 EO_{47}	*	1997 03 12.22917	13 37 11.35	−09 34 56.5	18.6	4	809
1997 EO_{47}		1997 03 12.24236	13 37 11.02	−09 34 53.6		4	809
1997 EO_{47}		1997 03 12.25556	13 37 10.72	−09 34 51.6		4	809

1997 EO_{47}	1997 03 13.23056	13 36 43.44	−09 32 14.5		4	809
1997 EO_{47}	1997 03 13.25243	13 36 42.96	−09 32 12.0		4	809
1997 EO_{47}	1997 03 13.26181	13 36 42.59	−09 32 10.0		4	809
1997 EP_{47}	* 1997 03 12.22917	13 37 32.24	−10 47 23.1	18.4	4	809
1997 EP_{47}	1997 03 12.24236	13 37 31.69	−10 47 22.8		4	809
1997 EP_{47}	1997 03 12.25556	13 37 31.22	−10 47 23.0		4	809
1997 EP_{47}	1997 03 13.23056	13 36 54.81	−10 47 42.0		4	809
1997 EP_{47}	1997 03 13.25243	13 36 53.97	−10 47 43.1		4	809
1997 EP_{47}	1997 03 13.26181	13 36 53.49	−10 47 42.5		4	809
1997 EQ_{47}	* 1997 03 12.22917	13 37 44.16	−08 47 54.8	18.5	4	809
1997 EQ_{47}	1997 03 12.24236	13 37 43.82	−08 47 49.3		4	809
1997 EQ_{47}	1997 03 12.25556	13 37 43.46	−08 47 44.9		4	809
1997 EQ_{47}	1997 03 13.23056	13 37 22.84	−08 43 20.6		4	809
1997 EQ_{47}	1997 03 13.25243	13 37 22.32	−08 43 16.5		4	809
1997 EQ_{47}	1997 03 13.26181	13 37 22.02	−08 43 15.7		4	809
1997 ER_{47}	* 1997 03 12.22917	13 37 50.59	−08 46 36.2	18.6	4	809
1997 ER_{47}	1997 03 12.24236	13 37 50.20	−08 46 33.2		4	809
1997 ER_{47}	1997 03 12.25556	13 37 49.78	−08 46 29.1		4	809
1997 ER_{47}	1997 03 13.23056	13 37 17.68	−08 42 17.6		4	809
1997 ER_{47}	1997 03 13.25243	13 37 17.25	−08 42 10.5		4	809
1997 ER_{47}	1997 03 13.26181	13 37 16.91	−08 42 05.5		4	809
1997 ES_{47}	* 1997 03 12.22917	13 37 56.54	−09 38 41.6	18.5	4	809
1997 ES_{47}	1997 03 12.24236	13 37 56.05	−09 38 38.9		4	809
1997 ES_{47}	1997 03 12.25556	13 37 55.68	−09 38 37.5		4	809
1997 ES_{47}	1997 03 13.23056	13 37 29.73	−09 35 37.5		4	809
1997 ES_{47}	1997 03 13.25243	13 37 29.15	−09 35 33.0		4	809
1997 ES_{47}	1997 03 13.26181	13 37 28.74	−09 35 30.5		4	809
1997 ET_{47}	* 1997 03 12.22917	13 38 20.39	−10 03 08.4	19.7	4	809
1997 ET_{47}	1997 03 12.24236	13 38 19.92	−10 03 07.2		4	809
1997 ET_{47}	1997 03 12.25556	13 38 19.35	−10 03 07.1		4	809
1997 ET_{47}	1997 03 13.23056	13 37 44.76	−10 02 23.7		4	809
1997 ET_{47}	1997 03 13.25243	13 37 44.00	−10 02 23.0		4	809
1997 ET_{47}	1997 03 13.26181	13 37 43.55	−10 02 22.7		4	809
1997 EU_{47}	* 1997 03 12.22917	13 39 28.87	−08 53 37.1	18.6	4	809
1997 EU_{47}	1997 03 12.24236	13 39 28.58	−08 53 35.5		4	809
1997 EU_{47}	1997 03 12.25556	13 39 28.23	−08 53 33.9		4	809
1997 EU_{47}	1997 03 13.23056	13 39 04.52	−08 51 32.3		4	809
1997 EU_{47}	1997 03 13.25243	13 39 04.05	−08 51 29.8		4	809
1997 EU_{47}	1997 03 13.26181	13 39 03.64	−08 51 27.9		4	809
1997 EV_{47}	* 1997 03 12.22917	13 40 41.62	−09 21 22.7	18.5	4	809
1997 EV_{47}	1997 03 12.24236	13 40 41.28	−09 21 18.6		4	809
1997 EV_{47}	1997 03 12.25556	13 40 40.80	−09 21 14.5		4	809
1997 EV_{47}	1997 03 13.23056	13 40 12.42	−09 15 52.0		4	809
1997 EV_{47}	1997 03 13.25243	13 40 11.77	−09 15 44.8		4	809
1997 EV_{47}	1997 03 13.26181	13 40 11.40	−09 15 41.1		4	809
1997 EW_{47}	* 1997 03 12.22917	13 41 01.50	−10 58 35.8	18.4	4	809
1997 EW_{47}	1997 03 12.24236	13 41 01.19	−10 58 32.5		4	809
1997 EW_{47}	1997 03 12.25556	13 41 00.90	−10 58 27.4		4	809
1997 EW_{47}	1997 03 13.23056	13 40 42.87	−10 53 08.8		4	809
1997 EW_{47}	1997 03 13.25243	13 40 42.45	−10 53 02.0		4	809
1997 EW_{47}	1997 03 13.26181	13 40 42.16	−10 52 57.6		4	809
1997 EX_{47}	* 1997 03 12.22917	13 41 16.44	−11 25 33.8	18.4	4	809
1997 EX_{47}	1997 03 12.24236	13 41 16.06	−11 25 31.4		4	809
1997 EX_{47}	1997 03 12.25556	13 41 15.74	−11 25 29.1		4	809
1997 EX_{47}	1997 03 13.23056	13 40 50.66	−11 23 11.6		4	809
1997 EX_{47}	1997 03 13.25243	13 40 50.05	−11 23 09.7		4	809
1997 EX_{47}	1997 03 13.26181	13 40 49.74	−11 23 06.9		4	809
1997 GL_3	1997 04 07.27986	14 52 46.33	−11 25 38.1		4	809
1997 GL_3	1997 04 07.29028	14 52 29.13	−11 23 50.4		4	809
1997 GL_3	1997 04 07.29306	14 52 24.47	−11 23 22.1		4	809
1997 GL_3	1997 04 07.30278	14 52 08.37	−11 21 41.5		4	809
1997 GL_3	1997 04 07.30625	14 52 02.35	−11 21 02.1		4	809
1997 GL_3	1997 04 07.31458	14 51 48.84	−11 19 37.9	15.0	4	809
1997 GT_3	1997 03 12.22917	13 23 14.95	−07 30 11.2	18.5	4	809
1997 GT_3	1997 03 12.24236	13 23 14.51	−07 30 11.2		4	809
1997 GT_3	1997 03 12.25556	13 23 13.92	−07 30 09.8		4	809
1997 GX_{16}	1997 03 12.22917	13 23 27.04	−07 57 14.1	18.4	4	809
1997 GX_{16}	1997 03 12.24236	13 23 26.44	−07 57 16.4		4	809
1997 GX_{16}	1997 03 12.25556	13 23 25.84	−07 57 18.5		4	809
1997 GX_{16}	1997 03 13.23056	13 22 47.07	−07 59 44.6		4	809
1997 GX_{16}	1997 03 13.25243	13 22 46.13	−07 59 48.0		4	809
1997 GX_{16}	1997 03 13.26181	13 22 45.64	−07 59 49.2		4	809
1997 GZ_{16}	1997 03 12.22917	13 22 45.22	−11 45 46.8	18.6	4	809
1997 GZ_{16}	1997 03 12.24236	13 22 44.70	−11 45 43.8		4	809
1997 GZ_{16}	1997 03 12.25556	13 22 44.20	−11 45 38.3		4	809
1997 GZ_{16}	1997 03 13.23056	13 22 08.48	−11 40 08.1		4	809
1997 GZ_{16}	1997 03 13.25243	13 22 07.77	−11 40 02.4		4	809
1997 GZ_{16}	1997 03 13.26181	13 22 07.25	−11 39 57.9		4	809
1997 GA_{17}	1997 03 12.22917	13 23 46.74	−10 08 26.3	19.0	4	809
1997 GA_{17}	1997 03 12.24236	13 23 46.39	−10 08 25.3		4	809
1997 GA_{17}	1997 03 12.25556	13 23 45.85	−10 08 22.2		4	809
1997 GA_{17}	1997 03 13.23056	13 23 07.83	−10 05 48.8		4	809
1997 GA_{17}	1997 03 13.25243	13 23 06.97	−10 05 45.8		4	809
1997 GA_{17}	1997 03 13.26181	13 23 06.60	−10 05 44.7		4	809
1997 GD_{17}	1997 03 12.22917	13 22 36.46	−11 31 51.1	18.6	4	809
1997 GD_{17}	1997 03 12.24236	13 22 35.87	−11 31 47.6		4	809
1997 GD_{17}	1997 03 12.25556	13 22 35.40	−11 31 45.6		4	809
1997 GD_{17}	1997 03 13.23056	13 21 56.23	−11 28 30.9		4	809
1997 GD_{17}	1997 03 13.25243	13 21 55.41	−11 28 26.3		4	809
1997 GD_{17}	1997 03 13.26181	13 21 54.91	−11 28 24.1		4	809
1997 GE_{17}	1997 03 12.22917	13 24 12.40	−10 45 03.4	18.5	4	809
1997 GE_{17}	1997 03 12.24236	13 24 11.76	−10 45 03.7		4	809
1997 GE_{17}	1997 03 12.25556	13 24 11.19	−10 45 04.1		4	809
1997 GE_{17}	1997 03 13.23056	13 23 32.69	−10 44 56.9		4	809
1997 GE_{17}	1997 03 13.25243	13 23 31.85	−10 44 57.3		4	809
1997 GE_{17}	1997 03 13.26181	13 23 31.33	−10 44 58.0		4	809
1997 GK_{17}	1997 03 12.22917	13 27 39.26	−11 47 52.6	18.7	4	809
1997 GK_{17}	1997 03 12.24236	13 27 38.67	−11 47 50.0		4	809
1997 GK_{17}	1997 03 12.25556	13 27 38.13	−11 47 49.6		4	809
1997 GK_{17}	1997 03 13.23056	13 27 00.45	−11 45 51.9		4	809
1997 GK_{17}	1997 03 13.25243	13 26 59.58	−11 45 49.5		4	809
1997 GK_{17}	1997 03 13.26181	13 26 59.07	−11 45 49.1		4	809
1997 GL_{17}	1997 03 12.22917	13 22 42.10	−11 03 28.7	18.3	4	809
1997 GL_{17}	1997 03 12.24236	13 22 41.64	−11 03 26.7		4	809

1997 GL_{17}	1997 03 12.25556	13 22 41.21	−11 03 25.9		4	809
1997 GL_{17}	1997 03 13.23056	13 22 13.37	−11 02 31.8		4	809
1997 GL_{17}	1997 03 13.25243	13 22 12.76	−11 02 31.0		4	809
1997 GL_{17}	1997 03 13.26181	13 22 12.33	−11 02 30.2		4	809
1997 GM_{17}	1997 03 12.22917	13 21 46.67	−11 34 03.9	18.4	4	809
1997 GM_{17}	1997 03 12.24236	13 21 46.30	−11 34 01.9		4	809
1997 GM_{17}	1997 03 12.25556	13 21 45.91	−11 34 00.6		4	809
1997 GM_{17}	1997 03 13.23056	13 21 23.26	−11 31 07.0		4	809
1997 GM_{17}	1997 03 13.25243	13 21 22.67	−11 31 02.8		4	809
1997 GM_{17}	1997 03 13.26181	13 21 22.34	−11 31 01.3		4	809
1997 GV_{17}	1997 03 12.22917	13 26 05.46	−07 20 01.7	18.3	4	809
1997 GV_{17}	1997 03 12.24236	13 26 04.92	−07 20 02.0		4	809
1997 GV_{17}	1997 03 12.25556	13 26 04.33	−07 20 02.4		4	809
1997 GV_{17}	1997 03 13.23056	13 25 27.92	−07 20 13.0		4	809
1997 GV_{17}	1997 03 13.25243	13 25 27.11	−07 20 12.8		4	809
1997 GV_{17}	1997 03 13.26181	13 25 26.56	−07 20 12.8		4	809
1997 GT_{18}	1997 03 12.22917	13 27 32.90	−08 25 18.8	18.6	4	809
1997 GT_{18}	1997 03 12.24236	13 27 32.32	−08 25 15.2		4	809
1997 GT_{18}	1997 03 12.25556	13 27 31.80	−08 25 11.8		4	809
1997 GT_{18}	1997 03 13.23056	13 26 55.12	−08 20 40.3		4	809
1997 GT_{18}	1997 03 13.25243	13 26 54.30	−08 20 34.6		4	809
1997 GT_{18}	1997 03 13.26181	13 26 53.85	−08 20 31.1		4	809
1997 GV_{18}	1997 03 12.22917	13 22 27.77	−10 10 55.2	18.6	4	809
1997 GV_{18}	1997 03 12.24236	13 22 27.20	−10 10 50.4		4	809
1997 GV_{18}	1997 03 12.25556	13 22 26.77	−10 10 48.4		4	809
1997 GV_{18}	1997 03 13.23056	13 21 56.91	−10 07 10.1		4	809
1997 GV_{18}	1997 03 13.25243	13 21 56.40	−10 07 05.7		4	809
1997 GV_{18}	1997 03 13.26181	13 21 55.94	−10 07 02.3		4	809
1997 GX_{18}	1997 03 13.23056	13 24 54.26	−11 40 20.1		4	809
1997 GX_{18}	1997 03 13.25243	13 24 53.44	−11 40 15.7		4	809
1997 GX_{18}	1997 03 13.26181	13 24 52.97	−11 40 13.3		4	809
1997 GW_{24}	1997 03 12.22917	13 28 26.29	−07 40 44.6	18.2	4	809
1997 GW_{24}	1997 03 12.24236	13 28 25.90	−07 40 41.8		4	809
1997 GW_{24}	1997 03 12.25556	13 28 25.57	−07 40 39.5		4	809
1997 GW_{24}	1997 03 13.23056	13 28 00.60	−07 37 16.9		4	809
1997 GW_{24}	1997 03 13.25243	13 28 00.05	−07 37 13.0		4	809
1997 GW_{24}	1997 03 13.26181	13 27 59.66	−07 37 11.8		4	809
1997 GR_{32}	1997 03 12.22917	13 27 06.25	−07 19 19.0	18.6	4	809
1997 GR_{32}	1997 03 12.24236	13 27 05.90	−07 19 16.4		4	809
1997 GR_{32}	1997 03 12.25556	13 27 05.44	−07 19 15.3		4	809
1997 GT_{32}	1997 03 12.22917	13 25 15.30	−09 44 40.8	18.4	4	809
1997 GT_{32}	1997 03 12.24236	13 25 14.74	−09 44 38.4		4	809
1997 GT_{32}	1997 03 12.25556	13 25 14.27	−09 44 35.6		4	809
1997 GT_{32}	1997 03 13.23056	13 24 42.52	−09 41 57.1		4	809
1997 GT_{32}	1997 03 13.25243	13 24 41.88	−09 41 53.5		4	809
1997 GT_{32}	1997 03 13.26181	13 24 41.43	−09 41 51.6		4	809
1997 GW_{32}	1997 03 12.22917	13 26 08.25	−10 42 58.0	18.6	4	809
1997 GW_{32}	1997 03 12.24236	13 26 07.70	−10 42 56.3		4	809
1997 GW_{32}	1997 03 12.25556	13 26 07.32	−10 42 54.1		4	809
1997 GW_{32}	1997 03 13.23056	13 25 35.26	−10 40 38.8		4	809
1997 GW_{32}	1997 03 13.25243	13 25 34.60	−10 40 36.3		4	809
1997 GW_{32}	1997 03 13.26181	13 25 34.08	−10 40 34.5		4	809
1997 GY_{32}	1997 03 12.22917	13 26 31.51	−10 31 11.1	18.6	4	809
1997 GY_{32}	1997 03 12.24236	13 26 30.95	−10 31 11.5		4	809
1997 GY_{32}	1997 03 12.25556	13 26 30.58	−10 31 09.2		4	809
1997 GA_{33}	1997 03 12.22917	13 27 00.75	−10 28 31.2	18.4	4	809
1997 GA_{33}	1997 03 12.24236	13 27 00.32	−10 28 32.8		4	809
1997 GA_{33}	1997 03 12.25556	13 26 59.88	−10 28 32.5		4	809
1997 GA_{33}	1997 03 13.23056	13 26 30.42	−10 28 35.9		4	809
1997 GA_{33}	1997 03 13.25243	13 26 29.69	−10 28 36.0		4	809
1997 GA_{33}	1997 03 13.26181	13 26 29.26	−10 28 35.8		4	809
1997 GC_{33}	1997 03 12.22917	13 31 59.37	−11 39 05.9	18.5	4	809
1997 GC_{33}	1997 03 12.24236	13 31 58.86	−11 39 04.1		4	809
1997 GC_{33}	1997 03 12.25556	13 31 58.25	−11 39 03.7		4	809
1997 GC_{33}	1997 03 13.23056	13 31 21.00	−11 37 10.2		4	809
1997 GC_{33}	1997 03 13.25243	13 31 20.14	−11 37 08.8		4	809
1997 GC_{33}	1997 03 13.26181	13 31 19.60	−11 37 07.1		4	809
1997 GK_{33}	1997 03 12.22917	13 25 14.69	−10 06 29.5	18.7	4	809
1997 GK_{33}	1997 03 12.24236	13 25 14.26	−10 06 26.4		4	809
1997 GK_{33}	1997 03 12.25556	13 25 13.89	−10 06 22.7		4	809
1997 GK_{33}	1997 03 13.23056	13 24 45.37	−10 01 49.1		4	809
1997 GK_{33}	1997 03 13.25243	13 24 44.67	−10 01 43.0		4	809
1997 GK_{33}	1997 03 13.26181	13 24 44.26	−10 01 39.4		4	809
1997 GM_{33}	1997 03 12.22917	13 25 12.41	−10 51 07.8	18.4	4	809
1997 GM_{33}	1997 03 12.24236	13 25 12.00	−10 51 00.9		4	809
1997 GM_{33}	1997 03 12.25556	13 25 11.61	−10 50 55.4		4	809
1997 GM_{33}	1997 03 13.23056	13 24 44.44	−10 44 05.2		4	809
1997 GM_{33}	1997 03 13.25243	13 24 43.79	−10 43 56.9		4	809
1997 GM_{33}	1997 03 13.26181	13 24 43.40	−10 43 52.1		4	809
1997 GP_{33}	1997 03 12.22917	13 26 31.58	−08 32 48.2	18.7	4	809
1997 GP_{33}	1997 03 12.24236	13 26 31.10	−08 32 43.9		4	809
1997 GP_{33}	1997 03 12.25556	13 26 30.60	−08 32 41.5		4	809
1997 GP_{33}	1997 03 13.23056	13 25 59.43	−08 28 27.0		4	809
1997 GP_{33}	1997 03 13.25243	13 25 58.81	−08 28 20.8		4	809
1997 GP_{33}	1997 03 13.26181	13 25 58.40	−08 28 19.1		4	809
1997 GR_{33}	1997 03 12.22917	13 27 00.58	−08 01 24.0	18.5	4	809
1997 GR_{33}	1997 03 12.24236	13 27 00.09	−08 01 21.9		4	809
1997 GR_{33}	1997 03 12.25556	13 26 59.61	−08 01 19.4		4	809
1997 GR_{33}	1997 03 13.23056	13 26 27.32	−07 58 23.9		4	809
1997 GR_{33}	1997 03 13.25243	13 26 26.73	−07 58 20.7		4	809
1997 GR_{33}	1997 03 13.26181	13 26 26.31	−07 58 17.2		4	809
1997 GT_{34}	1997 03 12.22917	13 28 27.06	−07 51 25.9	18.4	4	809
1997 GT_{34}	1997 03 12.24236	13 28 26.71	−07 51 24.7		4	809
1997 GT_{34}	1997 03 12.25556	13 28 26.30	−07 51 22.6		4	809
1997 GT_{34}	1997 03 13.23056	13 28 00.24	−07 48 32.5		4	809
1997 GT_{34}	1997 03 13.25243	13 27 59.62	−07 48 27.9		4	809
1997 GT_{34}	1997 03 13.26181	13 27 59.23	−07 48 27.1		4	809
1997 GW_{34}	1997 03 12.22917	13 28 54.04	−09 43 48.8	18.6	4	809
1997 GW_{34}	1997 03 12.24236	13 28 53.70	−09 43 44.5		4	809
1997 GW_{34}	1997 03 12.25556	13 28 53.22	−09 43 40.7		4	809
1997 GW_{34}	1997 03 13.23056	13 28 23.39	−09 38 19.5		4	809
1997 GW_{34}	1997 03 13.25243	13 28 22.75	−09 38 13.4		4	809
1997 GW_{34}	1997 03 13.26181	13 28 22.34	−09 38 08.5		4	809
1997 GX_{34}	1997 03 12.22917	13 28 23.82	−11 01 34.0	18.5	4	809

1997 GX_{34}	1997 03 12.24236	13 28 23.52	−11 01 28.7		4	809
1997 GX_{34}	1997 03 12.25556	13 28 23.14	−11 01 25.1		4	809
1997 GX_{34}	1997 03 13.23056	13 27 59.62	−10 56 19.4		4	809
1997 GX_{34}	1997 03 13.25243	13 27 59.16	−10 56 12.8		4	809
1997 GX_{34}	1997 03 13.26181	13 27 58.76	−10 56 08.8		4	809
1997 GY_{34}	1997 03 12.22917	13 29 33.18	−11 21 39.4	18.4	4	809
1997 GY_{34}	1997 03 12.24236	13 29 32.77	−11 21 37.2		4	809
1997 GY_{34}	1997 03 12.25556	13 29 32.32	−11 21 34.5		4	809
1997 GY_{34}	1997 03 13.23056	13 29 03.70	−11 18 18.4		4	809
1997 GY_{34}	1997 03 13.25243	13 29 03.06	−11 18 14.5		4	809
1997 GY_{34}	1997 03 13.26181	13 29 02.63	−11 18 12.0		4	809
1997 GB_{35}	1997 03 12.22917	13 27 37.18	−11 40 00.8	18.3	4	809
1997 GB_{35}	1997 03 12.24236	13 27 36.66	−11 40 00.9		4	809
1997 GB_{35}	1997 03 12.25556	13 27 36.18	−11 40 01.6		4	809
1997 GB_{35}	1997 03 13.23056	13 27 01.73	−11 40 21.1		4	809
1997 GB_{35}	1997 03 13.25243	13 27 01.00	−11 40 21.7		4	809
1997 GB_{35}	1997 03 13.26181	13 27 00.51	−11 40 21.4		4	809
1997 GM_{36}	1997 05 03.05486	14 53 22.57	−16 30 38.0		4	809
1997 GM_{36}	1997 05 03.06806	14 53 21.74	−16 30 35.3		4	809
1997 GM_{36}	1997 05 03.08125	14 53 21.07	−16 30 30.8		4	809
1997 GM_{36}	1997 05 04.07500	14 52 27.61	−16 24 16.1	19.0	4	809
1997 GM_{36}	1997 05 04.08819	14 52 26.95	−16 24 11.1		4	809
1997 GM_{36}	1997 05 04.10139	14 52 26.09	−16 24 05.2		4	809
1997 GP_{36}	1997 05 03.05486	14 54 34.73	−13 22 22.0		4	809
1997 GP_{36}	1997 05 03.06806	14 54 34.01	−13 22 12.5		4	809
1997 GP_{36}	1997 05 03.08125	14 54 33.34	−13 22 04.2		4	809
1997 GP_{36}	1997 05 04.07500	14 53 46.90	−13 10 52.4	17.5	4	809
1997 GP_{36}	1997 05 04.08819	14 53 46.22	−13 10 43.9		4	809
1997 GP_{36}	1997 05 04.10139	14 53 45.57	−13 10 33.5		4	809
1997 GT_{36}	1997 05 03.05486	14 52 17.92	−13 58 13.7		4	809
1997 GT_{36}	1997 05 03.06806	14 52 17.25	−13 58 11.5		4	809
1997 GT_{36}	1997 05 03.08125	14 52 16.53	−13 58 08.6		4	809
1997 GT_{36}	1997 05 04.07500	14 51 27.39	−13 54 03.5	18.4	4	809
1997 GT_{36}	1997 05 04.08819	14 51 26.68	−13 54 00.0		4	809
1997 GT_{36}	1997 05 04.10139	14 51 26.05	−13 53 55.7		4	809
1997 GA_{37}	1997 03 12.22917	13 25 35.74	−11 35 20.2	18.6	4	809
1997 GA_{37}	1997 03 12.24236	13 25 35.25	−11 35 16.3		4	809
1997 GA_{37}	1997 03 12.25556	13 25 34.85	−11 35 13.2		4	809
1997 GA_{37}	1997 03 13.23056	13 24 59.77	−11 30 05.3		4	809
1997 GA_{37}	1997 03 13.25243	13 24 58.98	−11 30 00.5		4	809
1997 GA_{37}	1997 03 13.26181	13 24 58.48	−11 29 55.9		4	809
1997 GT_{37}	1997 03 12.22917	13 35 58.89	−10 05 18.6	18.7	4	809
1997 GT_{37}	1997 03 12.24236	13 35 58.40	−10 05 15.7		4	809
1997 GT_{37}	1997 03 12.25556	13 35 57.88	−10 05 12.5		4	809
1997 GT_{37}	1997 03 13.23056	13 35 24.10	−10 01 14.1		4	809
1997 GT_{37}	1997 03 13.25243	13 35 23.55	−10 01 10.6		4	809
1997 GT_{37}	1997 03 13.26181	13 35 23.09	−10 01 07.5		4	809
1997 GV_{37}	1997 03 12.22917	13 33 26.22	−08 01 40.4	18.7	4	809
1997 GV_{37}	1997 03 12.24236	13 33 25.91	−08 01 39.1		4	809
1997 GV_{37}	1997 03 12.25556	13 33 25.61	−08 01 37.1		4	809
1997 GV_{37}	1997 03 13.23056	13 33 03.85	−08 00 47.7		4	809
1997 GV_{37}	1997 03 13.25243	13 33 03.35	−08 00 46.2		4	809
1997 GV_{37}	1997 03 13.26181	13 33 02.97	−08 00 45.5		4	809
1997 GA_{38}	1997 03 12.22917	13 37 00.63	−07 55 06.5	18.5	4	809
1997 GA_{38}	1997 03 12.24236	13 37 00.19	−07 55 02.5		4	809
1997 GA_{38}	1997 03 12.25556	13 36 59.80	−07 54 58.7		4	809
1997 GA_{38}	1997 03 13.23056	13 36 32.60	−07 50 12.0		4	809
1997 GA_{38}	1997 03 13.25243	13 36 32.01	−07 50 05.0		4	809
1997 GA_{38}	1997 03 13.26181	13 36 31.60	−07 50 01.8		4	809
1997 JJ_{11}	* 1997 05 03.05486	14 51 10.88	−14 39 29.3		4	809
1997 JJ_{11}	1997 05 03.06806	14 51 09.93	−14 39 31.6		4	809
1997 JJ_{11}	1997 05 03.08125	14 51 08.95	−14 39 33.1		4	809
1997 JJ_{11}	1997 05 04.07500	14 50 02.80	−14 40 57.1	17.8	4	809
1997 JJ_{11}	1997 05 04.08819	14 50 01.87	−14 40 58.4		4	809
1997 JJ_{11}	1997 05 04.10139	14 50 00.93	−14 40 57.7		4	809
1997 JK_{11}	* 1997 05 03.05486	14 51 53.83	−13 44 11.4		4	809
1997 JK_{11}	1997 05 03.06806	14 51 53.16	−13 44 05.5		4	809
1997 JK_{11}	1997 05 03.08125	14 51 52.39	−13 43 58.1		4	809
1997 JK_{11}	1997 05 04.07500	14 51 04.07	−13 35 45.3	18.3	4	809
1997 JK_{11}	1997 05 04.08819	14 51 03.37	−13 35 39.5		4	809
1997 JK_{11}	1997 05 04.10139	14 51 02.71	−13 35 31.5		4	809
1997 JL_{11}	* 1997 05 03.05486	14 52 09.83	−16 21 37.7		4	809
1997 JL_{11}	1997 05 03.06806	14 52 08.98	−16 21 39.2		4	809
1997 JL_{11}	1997 05 03.08125	14 52 08.15	−16 21 38.8		4	809
1997 JL_{11}	1997 05 04.07500	14 51 08.56	−16 21 58.0	18.4	4	809
1997 JL_{11}	1997 05 04.08819	14 51 07.64	−16 21 59.7		4	809
1997 JL_{11}	1997 05 04.10139	14 51 06.80	−16 21 58.9		4	809
1997 JM_{11}	* 1997 05 03.05486	14 52 16.65	−13 19 52.9		4	809
1997 JM_{11}	1997 05 03.06806	14 52 16.00	−13 19 52.2		4	809
1997 JM_{11}	1997 05 03.08125	14 52 15.44	−13 19 51.2		4	809
1997 JM_{11}	1997 05 04.07500	14 51 36.31	−13 17 14.1	18.5	4	809
1997 JM_{11}	1997 05 04.08819	14 51 35.14	−13 17 08.8		4	809
1997 JM_{11}	1997 05 04.10139	14 51 34.66	−13 17 06.6		4	809
1997 JN_{11}	* 1997 05 03.05486	14 52 34.79	−15 50 05.8		4	809
1997 JN_{11}	1997 05 03.06806	14 52 34.12	−15 50 03.0		4	809
1997 JN_{11}	1997 05 03.08125	14 52 33.41	−15 50 00.0		4	809
1997 JN_{11}	1997 05 04.07500	14 51 42.71	−15 44 44.7	18.7	4	809
1997 JN_{11}	1997 05 04.08819	14 51 42.05	−15 44 41.8		4	809
1997 JN_{11}	1997 05 04.10139	14 51 41.29	−15 44 35.8		4	809
1997 JO_{11}	* 1997 05 03.05486	14 52 36.77	−14 41 46.5		4	809
1997 JO_{11}	1997 05 03.06806	14 52 35.58	−14 41 54.4		4	809
1997 JO_{11}	1997 05 03.08125	14 52 34.56	−14 41 58.7		4	809
1997 JO_{11}	1997 05 04.07500	14 51 27.74	−14 46 38.5	19.5	4	809
1997 JO_{11}	1997 05 04.08819	14 51 26.79	−14 46 42.3		4	809
1997 JO_{11}	1997 05 04.10139	14 51 25.85	−14 46 44.8		4	809
1997 JP_{11}	* 1997 05 03.05486	14 52 50.57	−14 33 55.9		4	809
1997 JP_{11}	1997 05 03.06806	14 52 49.88	−14 33 56.3		4	809
1997 JP_{11}	1997 05 03.08125	14 52 49.10	−14 33 53.7		4	809
1997 JP_{11}	1997 05 04.07500	14 51 57.92	−14 31 15.5	18.5	4	809
1997 JP_{11}	1997 05 04.08819	14 51 57.03	−14 31 11.2		4	809
1997 JP_{11}	1997 05 04.10139	14 51 56.35	−14 31 09.5		4	809
1997 JQ_{11}	* 1997 05 03.05486	14 52 57.44	−16 13 23.7		4	809
1997 JQ_{11}	1997 05 03.06806	14 52 56.73	−16 13 22.2		4	809
1997 JQ_{11}	1997 05 03.08125	14 52 56.00	−16 13 19.4		4	809

1997 JQ_{11}	1997 05 04.07500	14 52 09.35	−16 09 58.8	18.5	4	809
1997 JQ_{11}	1997 05 04.08819	14 52 08.58	−16 09 56.3		4	809
1997 JQ_{11}	1997 05 04.10139	14 52 07.99	−16 09 52.8		4	809
1997 JR_{11}	* 1997 05 03.05486	14 53 01.62	−15 44 24.4		4	809
1997 JR_{11}	1997 05 03.06806	14 53 00.93	−15 44 23.4		4	809
1997 JR_{11}	1997 05 03.08125	14 53 00.16	−15 44 23.1		4	809
1997 JR_{11}	1997 05 04.07500	14 52 08.69	−15 43 13.5	18.5	4	809
1997 JR_{11}	1997 05 04.08819	14 52 07.93	−15 43 13.3		4	809
1997 JR_{11}	1997 05 04.10139	14 52 07.14	−15 43 10.6		4	809
1997 JS_{11}	* 1997 05 03.05486	14 53 15.89	−13 23 46.6		4	809
1997 JS_{11}	1997 05 03.06806	14 53 15.04	−13 23 44.8		4	809
1997 JS_{11}	1997 05 03.08125	14 53 14.18	−13 23 41.0		4	809
1997 JS_{11}	1997 05 04.07500	14 52 14.86	−13 20 19.0	18.8	4	809
1997 JS_{11}	1997 05 04.08819	14 52 14.05	−13 20 18.5		4	809
1997 JS_{11}	1997 05 04.10139	14 52 13.17	−13 20 14.9		4	809
1997 JT_{11}	* 1997 05 03.05486	14 53 17.18	−14 28 17.2		4	809
1997 JT_{11}	1997 05 03.06806	14 53 16.54	−14 28 14.8		4	809
1997 JT_{11}	1997 05 03.08125	14 53 15.82	−14 28 12.8		4	809
1997 JT_{11}	1997 05 04.07500	14 52 29.71	−14 24 30.4	18.3	4	809
1997 JT_{11}	1997 05 04.08819	14 52 29.12	−14 24 27.6		4	809
1997 JT_{11}	1997 05 04.10139	14 52 28.43	−14 24 23.0		4	809
1997 JU_{11}	* 1997 05 03.05486	14 53 40.72	−15 11 31.1		4	809
1997 JU_{11}	1997 05 03.06806	14 53 39.85	−15 11 29.6		4	809
1997 JU_{11}	1997 05 03.08125	14 53 39.12	−15 11 28.9		4	809
1997 JU_{11}	1997 05 04.07500	14 52 49.22	−15 08 35.7	18.6	4	809
1997 JU_{11}	1997 05 04.08819	14 52 48.51	−15 08 34.0		4	809
1997 JU_{11}	1997 05 04.10139	14 52 47.82	−15 08 29.7		4	809
1997 JV_{11}	* 1997 05 03.05486	14 53 58.37	−13 10 07.8		4	809
1997 JV_{11}	1997 05 03.06806	14 53 57.71	−13 10 05.4		4	809
1997 JV_{11}	1997 05 03.08125	14 53 56.95	−13 10 04.3		4	809
1997 JV_{11}	1997 05 04.07500	14 53 07.89	−13 07 43.9	18.4	4	809
1997 JV_{11}	1997 05 04.08819	14 53 07.25	−13 07 42.4		4	809
1997 JV_{11}	1997 05 04.10139	14 53 06.53	−13 07 39.4		4	809
1997 JW_{11}	* 1997 05 03.05486	14 54 25.77	−14 02 05.4		4	809
1997 JW_{11}	1997 05 03.06806	14 54 25.10	−14 02 03.2		4	809
1997 JW_{11}	1997 05 03.08125	14 54 24.36	−14 02 00.4		4	809
1997 JW_{11}	1997 05 04.07500	14 53 36.13	−13 58 06.2	18.7	4	809
1997 JW_{11}	1997 05 04.08819	14 53 35.37	−13 58 02.2		4	809
1997 JW_{11}	1997 05 04.10139	14 53 34.78	−13 57 58.1		4	809
1997 JX_{11}	* 1997 05 03.05486	14 54 51.37	−13 08 34.5		4	809
1997 JX_{11}	1997 05 03.06806	14 54 50.50	−13 08 34.8		4	809
1997 JX_{11}	1997 05 03.08125	14 54 49.53	−13 08 35.2		4	809
1997 JX_{11}	1997 05 04.07500	14 53 48.39	−13 08 17.6	18.4	4	809
1997 JX_{11}	1997 05 04.08819	14 53 47.54	−13 08 18.6		4	809
1997 JX_{11}	1997 05 04.10139	14 53 46.68	−13 08 16.8		4	809
1997 JY_{11}	* 1997 05 03.05486	14 55 12.22	−16 28 21.2		4	809
1997 JY_{11}	1997 05 03.06806	14 55 11.40	−16 28 18.9		4	809
1997 JY_{11}	1997 05 03.08125	14 55 10.60	−16 28 19.7		4	809
1997 JY_{11}	1997 05 04.07500	14 54 19.16	−16 25 17.0	19.5	4	809
1997 JY_{11}	1997 05 04.08819	14 54 18.56	−16 25 14.8		4	809
1997 JY_{11}	1997 05 04.10139	14 54 17.81	−16 25 11.3		4	809
1997 JZ_{11}	* 1997 05 03.05486	14 55 25.89	−16 29 28.4		4	809
1997 JZ_{11}	1997 05 03.06806	14 55 25.04	−16 29 26.8		4	809
1997 JZ_{11}	1997 05 03.08125	14 55 24.37	−16 29 26.0		4	809
1997 JZ_{11}	1997 05 04.07500	14 54 28.17	−16 26 34.9	18.5	4	809
1997 JZ_{11}	1997 05 04.08819	14 54 27.44	−16 26 33.2		4	809
1997 JZ_{11}	1997 05 04.10139	14 54 26.65	−16 26 29.0		4	809
1997 JA_{12}	* 1997 05 03.05486	14 55 42.18	−14 16 55.0		4	809
1997 JA_{12}	1997 05 03.06806	14 55 41.42	−14 16 53.9		4	809
1997 JA_{12}	1997 05 03.08125	14 55 40.73	−14 16 52.9		4	809
1997 JA_{12}	1997 05 04.07500	14 54 50.32	−14 14 05.8	18.6	4	809
1997 JA_{12}	1997 05 04.08819	14 54 49.56	−14 14 04.3		4	809
1997 JA_{12}	1997 05 04.10139	14 54 48.87	−14 14 02.0		4	809
1997 JB_{12}	* 1997 05 03.05486	14 55 49.51	−14 57 16.3		4	809
1997 JB_{12}	1997 05 03.06806	14 55 48.73	−14 57 15.9		4	809
1997 JB_{12}	1997 05 03.08125	14 55 47.84	−14 57 14.9		4	809
1997 JB_{12}	1997 05 04.07500	14 54 51.11	−14 55 37.9	18.5	4	809
1997 JB_{12}	1997 05 04.08819	14 54 50.25	−14 55 37.6		4	809
1997 JB_{12}	1997 05 04.10139	14 54 49.53	−14 55 34.9		4	809
1997 JC_{12}	* 1997 05 03.05486	14 56 01.51	−13 44 59.7		4	809
1997 JC_{12}	1997 05 03.06806	14 56 00.61	−13 44 59.2		4	809
1997 JC_{12}	1997 05 03.08125	14 55 59.85	−13 45 00.2		4	809
1997 JC_{12}	1997 05 04.07500	14 55 07.82	−13 43 58.0	18.6	4	809
1997 JC_{12}	1997 05 04.08819	14 55 06.97	−13 43 55.9		4	809
1997 JC_{12}	1997 05 04.10139	14 55 06.26	−13 43 54.0		4	809
1997 JD_{12}	* 1997 05 03.05486	14 56 21.97	−15 57 10.4		4	809
1997 JD_{12}	1997 05 03.06806	14 56 21.36	−15 57 05.3		4	809
1997 JD_{12}	1997 05 03.08125	14 56 20.60	−15 57 03.0		4	809
1997 JD_{12}	1997 05 04.07500	14 55 22.01	−15 50 00.6	18.5	4	809
1997 JD_{12}	1997 05 04.08819	14 55 21.19	−15 49 55.6		4	809
1997 JD_{12}	1997 05 04.10139	14 55 20.40	−15 49 48.6		4	809
1997 JE_{12}	* 1997 05 03.05486	14 56 22.74	−15 18 51.6		4	809
1997 JE_{12}	1997 05 03.06806	14 56 21.85	−15 18 46.5		4	809
1997 JE_{12}	1997 05 03.08125	14 56 20.97	−15 18 42.3		4	809
1997 JE_{12}	1997 05 04.07500	14 55 23.22	−15 11 55.4	18.4	4	809
1997 JE_{12}	1997 05 04.08819	14 55 22.39	−15 11 49.6		4	809
1997 JE_{12}	1997 05 04.10139	14 55 21.60	−15 11 43.0		4	809
1997 JF_{12}	* 1997 05 03.05486	14 56 23.43	−15 59 08.3		4	809
1997 JF_{12}	1997 05 03.06806	14 56 22.77	−15 59 07.4		4	809
1997 JF_{12}	1997 05 03.08125	14 56 22.15	−15 59 07.1		4	809
1997 JF_{12}	1997 05 04.07500	14 55 34.47	−15 55 11.8	18.6	4	809
1997 JF_{12}	1997 05 04.08819	14 55 33.73	−15 55 07.8		4	809
1997 JF_{12}	1997 05 04.10139	14 55 33.11	−15 55 04.7		4	809
1997 JG_{12}	* 1997 05 03.05486	14 56 42.93	−14 56 47.6		4	809
1997 JG_{12}	1997 05 03.06806	14 56 42.24	−14 56 46.9		4	809
1997 JG_{12}	1997 05 03.08125	14 56 41.64	−14 56 47.7		4	809
1997 JG_{12}	1997 05 04.07500	14 55 53.09	−14 55 10.9	18.6	4	809
1997 JG_{12}	1997 05 04.08819	14 55 52.40	−14 55 10.6		4	809
1997 JG_{12}	1997 05 04.10139	14 55 51.71	−14 55 07.3		4	809
1997 JH_{12}	* 1997 05 03.05486	14 57 16.04	−16 48 09.5		4	809
1997 JH_{12}	1997 05 03.06806	14 57 15.12	−16 48 08.7		4	809
1997 JH_{12}	1997 05 03.08125	14 57 14.35	−16 48 08.0		4	809
1997 JH_{12}	1997 05 04.07500	14 56 17.70	−16 47 00.8	18.6	4	809
1997 JH_{12}	1997 05 04.08819	14 56 16.86	−16 46 58.8		4	809

1997 JH_{12}		1997 05 04.10139	14 56 16.09	−16 46 59.2		4	809
1997 JJ_{12}	*	1997 05 03.05486	14 57 45.87	−13 21 38.4		4	809
1997 JJ_{12}		1997 05 03.06806	14 57 45.24	−13 21 35.7		4	809
1997 JJ_{12}		1997 05 03.08125	14 57 44.57	−13 21 34.2		4	809
1997 JJ_{12}		1997 05 04.07500	14 56 58.64	−13 17 58.6	19.0	4	809
1997 JJ_{12}		1997 05 04.08819	14 56 57.94	−13 17 55.4		4	809
1997 JJ_{12}		1997 05 04.10139	14 56 57.22	−13 17 51.3		4	809
1997 JK_{12}	*	1997 05 03.05486	14 57 50.18	−13 10 31.6		4	809
1997 JK_{12}		1997 05 03.06806	14 57 49.53	−13 10 26.9		4	809
1997 JK_{12}		1997 05 03.08125	14 57 48.90	−13 10 23.6		4	809
1997 JK_{12}		1997 05 04.07500	14 56 58.40	−13 04 35.2	18.3	4	809
1997 JK_{12}		1997 05 04.08819	14 56 57.68	−13 04 31.4		4	809
1997 JK_{12}		1997 05 04.10139	14 56 56.96	−13 04 26.0		4	809
1997 JL_{12}	*	1997 05 03.05486	14 58 12.03	−14 41 47.1		4	809
1997 JL_{12}		1997 05 03.06806	14 58 11.20	−14 41 45.4		4	809
1997 JL_{12}		1997 05 03.08125	14 58 10.43	−14 41 44.8		4	809
1997 JL_{12}		1997 05 04.07500	14 57 12.22	−14 39 53.9	18.6	4	809
1997 JL_{12}		1997 05 04.08819	14 57 11.48	−14 39 52.8		4	809
1997 JL_{12}		1997 05 04.10139	14 57 10.64	−14 39 50.0		4	809
1997 JM_{12}	*	1997 05 03.05486	14 59 01.82	−15 57 39.6		4	809
1997 JM_{12}		1997 05 03.06806	14 59 00.96	−15 57 38.7		4	809
1997 JM_{12}		1997 05 03.08125	14 59 00.23	−15 57 36.8		4	809
1997 JM_{12}		1997 05 04.07500	14 58 03.62	−15 54 37.2	18.5	4	809
1997 JM_{12}		1997 05 04.08819	14 58 02.81	−15 54 35.1		4	809
1997 JM_{12}		1997 05 04.10139	14 58 02.08	−15 54 32.6		4	809
1997 JN_{12}	*	1997 05 03.05486	14 59 39.21	−13 47 49.1		4	809
1997 JN_{12}		1997 05 03.06806	14 59 38.41	−13 47 49.9		4	809
1997 JN_{12}		1997 05 03.08125	14 59 37.70	−13 47 49.0		4	809
1997 JN_{12}		1997 05 04.07500	14 58 44.79	−13 47 24.1	18.0	4	809
1997 JN_{12}		1997 05 04.08819	14 58 44.08	−13 47 24.1		4	809
1997 JN_{12}		1997 05 04.10139	14 58 43.36	−13 47 22.3		4	809
1997 JO_{12}	*	1997 05 03.05486	14 59 39.33	−13 24 48.6		4	809
1997 JO_{12}		1997 05 03.06806	14 59 38.70	−13 24 46.7		4	809
1997 JO_{12}		1997 05 03.08125	14 59 38.03	−13 24 43.6		4	809
1997 JO_{12}		1997 05 04.07500	14 58 50.30	−13 21 13.2	18.5	4	809
1997 JO_{12}		1997 05 04.08819	14 58 49.66	−13 21 10.2		4	809
1997 JO_{12}		1997 05 04.10139	14 58 48.99	−13 21 06.5		4	809
1997 JP_{12}	*	1997 05 03.05486	14 59 58.21	−13 53 13.2		4	809
1997 JP_{12}		1997 05 03.06806	14 59 57.55	−13 53 11.0		4	809
1997 JP_{12}		1997 05 03.08125	14 59 56.88	−13 53 08.2		4	809
1997 JP_{12}		1997 05 04.07500	14 59 10.50	−13 49 29.8	18.3	4	809
1997 JP_{12}		1997 05 04.08819	14 59 09.90	−13 49 26.6		4	809
1997 JP_{12}		1997 05 04.10139	14 59 09.26	−13 49 21.5		4	809
1997 JQ_{12}	*	1997 05 03.05486	15 00 56.74	−15 12 58.7		4	809
1997 JQ_{12}		1997 05 03.06806	15 00 56.19	−15 12 58.1		4	809
1997 JQ_{12}		1997 05 03.08125	15 00 55.46	−15 12 55.2		4	809
1997 JQ_{12}		1997 05 04.07500	15 00 03.60	−15 09 39.6	18.5	4	809
1997 JQ_{12}		1997 05 04.08819	15 00 02.80	−15 09 36.2		4	809
1997 JQ_{12}		1997 05 04.10139	15 00 02.17	−15 09 32.3		4	809
1997 JR_{12}	*	1997 05 03.05486	15 01 30.59	−15 21 34.2		4	809
1997 JR_{12}		1997 05 03.06806	15 01 29.86	−15 21 31.3		4	809
1997 JR_{12}		1997 05 03.08125	15 01 29.20	−15 21 29.6		4	809
1997 JR_{12}		1997 05 04.07500	15 00 36.53	−15 18 12.2	18.3	4	809
1997 JR_{12}		1997 05 04.08819	15 00 35.80	−15 18 10.1		4	809
1997 JR_{12}		1997 05 04.10139	15 00 35.09	−15 18 06.0		4	809
1997 JS_{12}	*	1997 05 03.05486	15 01 41.37	−16 10 33.3		4	809
1997 JS_{12}		1997 05 03.06806	15 01 40.78	−16 10 33.7		4	809
1997 JS_{12}		1997 05 03.08125	15 01 40.25	−16 10 29.1		4	809
1997 JS_{12}		1997 05 04.07500	15 00 52.14	−16 07 05.8	18.4	4	809
1997 JS_{12}		1997 05 04.08819	15 00 51.55	−16 07 02.8		4	809
1997 JS_{12}		1997 05 04.10139	15 00 50.85	−16 06 58.9		4	809
1997 JT_{12}	*	1997 05 03.05486	15 01 50.62	−15 21 59.3		4	809
1997 JT_{12}		1997 05 03.06806	15 01 49.81	−15 21 57.0		4	809
1997 JT_{12}		1997 05 03.08125	15 01 49.23	−15 21 52.9		4	809
1997 JT_{12}		1997 05 04.07500	15 00 49.10	−15 16 44.5	18.5	4	809
1997 JT_{12}		1997 05 04.08819	15 00 48.28	−15 16 41.8		4	809
1997 JT_{12}		1997 05 04.10139	15 00 47.46	−15 16 35.9		4	809
1997 JU_{12}	*	1997 05 03.05486	15 02 00.38	−15 58 02.0		4	809
1997 JU_{12}		1997 05 03.06806	15 01 59.72	−15 57 59.1		4	809
1997 JU_{12}		1997 05 03.08125	15 01 58.97	−15 57 56.9		4	809
1997 JU_{12}		1997 05 04.07500	15 01 08.43	−15 55 22.6	18.4	4	809
1997 JU_{12}		1997 05 04.08819	15 01 07.71	−15 55 21.5		4	809
1997 JU_{12}		1997 05 04.10139	15 01 07.04	−15 55 17.3		4	809
1997 JV_{12}	*	1997 05 03.05486	15 02 02.16	−16 11 02.4		4	809
1997 JV_{12}		1997 05 03.06806	15 02 01.23	−16 11 01.3		4	809
1997 JV_{12}		1997 05 03.08125	15 02 00.39	−16 11 01.8		4	809
1997 JV_{12}		1997 05 04.07500	15 00 58.22	−16 10 51.9	18.3	4	809
1997 JV_{12}		1997 05 04.08819	15 00 57.39	−16 10 50.7		4	809
1997 JV_{12}		1997 05 04.10139	15 00 56.53	−16 10 49.7		4	809
1997 JW_{12}	*	1997 05 03.05486	15 02 07.71	−16 25 21.7		4	809
1997 JW_{12}		1997 05 03.06806	15 02 07.07	−16 25 03.7		4	809
1997 JW_{12}		1997 05 03.08125	15 02 06.42	−16 24 42.8		4	809
1997 JW_{12}		1997 05 04.07500	15 01 19.79	−15 59 15.2	18.0	4	809
1997 JW_{12}		1997 05 04.08819	15 01 19.17	−15 58 55.3		4	809
1997 JW_{12}		1997 05 04.10139	15 01 18.46	−15 58 33.4		4	809
1997 JX_{12}	*	1997 05 03.05486	15 02 07.91	−15 16 50.8		4	809
1997 JX_{12}		1997 05 03.06806	15 02 06.98	−15 16 47.4		4	809
1997 JX_{12}		1997 05 03.08125	15 02 06.11	−15 16 43.0		4	809
1997 JX_{12}		1997 05 04.07500	15 01 03.13	−15 10 51.9	18.4	4	809
1997 JX_{12}		1997 05 04.08819	15 01 02.17	−15 10 46.8		4	809
1997 JX_{12}		1997 05 04.10139	15 01 01.40	−15 10 42.2		4	809
1997 JY_{12}	*	1997 05 03.05486	15 02 15.33	−15 41 25.8		4	809
1997 JY_{12}		1997 05 03.06806	15 02 14.49	−15 41 27.8		4	809
1997 JY_{12}		1997 05 03.08125	15 02 13.60	−15 41 29.0		4	809
1997 JY_{12}		1997 05 04.07500	15 01 13.30	−15 42 57.5	18.4	4	809
1997 JY_{12}		1997 05 04.08819	15 01 12.52	−15 42 59.2		4	809
1997 JY_{12}		1997 05 04.10139	15 01 11.64	−15 42 58.9		4	809
1997 JZ_{12}	*	1997 05 03.05486	15 02 29.91	−12 34 29.5		4	809
1997 JZ_{12}		1997 05 03.06806	15 02 29.32	−12 34 22.6		4	809
1997 JZ_{12}		1997 05 03.08125	15 02 28.79	−12 34 17.6		4	809
1997 JZ_{12}		1997 05 04.07500	15 01 33.62	−12 26 07.0	18.4	4	809
1997 JZ_{12}		1997 05 04.08819	15 01 32.81	−12 26 00.4		4	809
1997 JZ_{12}		1997 05 04.10139	15 01 32.09	−12 25 52.3		4	809
1997 JA_{13}	*	1997 05 03.05486	15 02 40.91	−12 27 27.5		4	809

1997 JA_{13}		1997 05 03.06806	15 02 39.82	−12 27 23.2		4	809
1997 JA_{13}		1997 05 03.08125	15 02 39.12	−12 27 17.2		4	809
1997 JA_{13}		1997 05 04.07500	15 01 42.89	−12 22 21.3	18.5	4	809
1997 JA_{13}		1997 05 04.08819	15 01 42.09	−12 22 17.9		4	809
1997 JA_{13}		1997 05 04.10139	15 01 41.28	−12 22 11.5		4	809
1997 JB_{13}	*	1997 05 03.05486	15 02 51.57	−15 45 05.9		4	809
1997 JB_{13}		1997 05 03.06806	15 02 50.91	−15 45 02.0		4	809
1997 JB_{13}		1997 05 03.08125	15 02 50.21	−15 45 00.3		4	809
1997 JB_{13}		1997 05 04.07500	15 02 03.89	−15 41 39.2	18.5	4	809
1997 JB_{13}		1997 05 04.08819	15 02 03.23	−15 41 37.9		4	809
1997 JB_{13}		1997 05 04.10139	15 02 02.55	−15 41 32.7		4	809
1997 JC_{13}	*	1997 05 03.05486	15 03 15.72	−15 32 34.1		4	809
1997 JC_{13}		1997 05 03.06806	15 03 14.86	−15 32 32.4		4	809
1997 JC_{13}		1997 05 03.08125	15 03 14.11	−15 32 32.5		4	809
1997 JC_{13}		1997 05 04.07500	15 02 16.79	−15 30 59.1	18.4	4	809
1997 JC_{13}		1997 05 04.08819	15 02 15.98	−15 30 57.7		4	809
1997 JC_{13}		1997 05 04.10139	15 02 15.24	−15 30 55.1		4	809
1997 JD_{13}	*	1997 05 03.05486	15 03 31.93	−14 29 47.9		4	809
1997 JD_{13}		1997 05 03.06806	15 03 31.02	−14 29 46.5		4	809
1997 JD_{13}		1997 05 03.08125	15 03 30.31	−14 29 45.9		4	809
1997 JD_{13}		1997 05 04.07500	15 02 33.60	−14 28 32.7	18.6	4	809
1997 JD_{13}		1997 05 04.08819	15 02 32.80	−14 28 31.8		4	809
1997 JD_{13}		1997 05 04.10139	15 02 32.08	−14 28 28.3		4	809
1997 JE_{13}	*	1997 05 03.05486	15 03 51.42	−16 08 14.8		4	809
1997 JE_{13}		1997 05 03.06806	15 03 50.69	−16 08 11.6		4	809
1997 JE_{13}		1997 05 03.08125	15 03 50.07	−16 08 10.5		4	809
1997 JE_{13}		1997 05 04.07500	15 03 01.69	−16 04 15.0	18.6	4	809
1997 JE_{13}		1997 05 04.08819	15 03 00.93	−16 04 12.4		4	809
1997 JE_{13}		1997 05 04.10139	15 03 00.30	−16 04 06.8		4	809
1997 JF_{13}	*	1997 05 03.05486	15 05 00.16	−14 05 27.3		4	809
1997 JF_{13}		1997 05 03.06806	15 04 59.49	−14 05 22.9		4	809
1997 JF_{13}		1997 05 03.08125	15 04 58.94	−14 05 19.4		4	809
1997 JF_{13}		1997 05 04.07500	15 04 06.78	−13 59 44.9	18.5	4	809
1997 JF_{13}		1997 05 04.08819	15 04 06.00	−13 59 41.5		4	809
1997 JF_{13}		1997 05 04.10139	15 04 05.21	−13 59 34.9		4	809
1997 JG_{13}	*	1997 05 03.05486	15 05 17.66	−16 33 24.3		4	809
1997 JG_{13}		1997 05 03.06806	15 05 16.77	−16 33 25.3		4	809
1997 JG_{13}		1997 05 03.08125	15 05 15.68	−16 33 24.7		4	809
1997 JG_{13}		1997 05 04.07500	15 04 07.77	−16 32 45.7	18.4	4	809
1997 JG_{13}		1997 05 04.08819	15 04 06.86	−16 32 44.6		4	809
1997 JG_{13}		1997 05 04.10139	15 04 05.89	−16 32 42.6		4	809
1997 JH_{13}	*	1997 05 03.05486	15 05 20.06	−16 01 04.1		4	809
1997 JH_{13}		1997 05 03.06806	15 05 19.30	−16 01 04.9		4	809
1997 JH_{13}		1997 05 03.08125	15 05 18.55	−16 01 04.1		4	809
1997 JH_{13}		1997 05 04.07500	15 04 21.50	−16 01 10.3	18.4	4	809
1997 JH_{13}		1997 05 04.08819	15 04 20.77	−16 01 09.9		4	809
1997 JH_{13}		1997 05 04.10139	15 04 20.01	−16 01 09.3		4	809
1997 JJ_{13}	*	1997 05 03.05486	15 05 21.23	−13 14 25.2		4	809
1997 JJ_{13}		1997 05 03.06806	15 05 20.54	−13 14 23.1		4	809
1997 JJ_{13}		1997 05 03.08125	15 05 19.66	−13 14 20.2		4	809
1997 JJ_{13}		1997 05 04.07500	15 04 20.99	−13 11 54.4	18.0	4	809
1997 JJ_{13}		1997 05 04.08819	15 04 20.19	−13 11 52.5		4	809
1997 JJ_{13}		1997 05 04.10139	15 04 19.33	−13 11 49.8		4	809
1997 JK_{13}	*	1997 05 03.05486	15 05 35.51	−14 50 56.5		4	809
1997 JK_{13}		1997 05 03.06806	15 05 34.59	−14 50 56.2		4	809
1997 JK_{13}		1997 05 03.08125	15 05 33.86	−14 50 54.9		4	809
1997 JK_{13}		1997 05 04.07500	15 04 42.02	−14 50 22.8	19.0	4	809
1997 JK_{13}		1997 05 04.08819	15 04 41.28	−14 50 23.2		4	809
1997 JK_{13}		1997 05 04.10139	15 04 40.60	−14 50 20.5		4	809
1997 JL_{13}	*	1997 05 03.05486	15 05 53.60	−14 11 22.7		4	809
1997 JL_{13}		1997 05 03.06806	15 05 52.93	−14 11 17.9		4	809
1997 JL_{13}		1997 05 03.08125	15 05 52.24	−14 11 14.4		4	809
1997 JL_{13}		1997 05 04.07500	15 05 01.31	−14 05 29.4	17.9	4	809
1997 JL_{13}		1997 05 04.08819	15 05 00.64	−14 05 24.9		4	809
1997 JL_{13}		1997 05 04.10139	15 04 59.93	−14 05 18.4		4	809
1997 JM_{13}	*	1997 05 03.05486	15 05 56.74	−15 26 58.7		4	809
1997 JM_{13}		1997 05 03.06806	15 05 55.75	−15 26 56.2		4	809
1997 JM_{13}		1997 05 03.08125	15 05 55.17	−15 26 54.9		4	809
1997 JM_{13}		1997 05 04.07500	15 04 59.78	−15 23 16.8	18.6	4	809
1997 JM_{13}		1997 05 04.08819	15 04 59.07	−15 23 13.7		4	809
1997 JM_{13}		1997 05 04.10139	15 04 58.24	−15 23 09.9		4	809
1997 JN_{13}	*	1997 05 03.05486	15 06 27.85	−12 47 36.9		4	809
1997 JN_{13}		1997 05 03.06806	15 06 27.15	−12 47 33.2		4	809
1997 JN_{13}		1997 05 03.08125	15 06 26.34	−12 47 30.0		4	809
1997 JN_{13}		1997 05 04.07500	15 05 31.67	−12 43 13.8	18.4	4	809
1997 JN_{13}		1997 05 04.08819	15 05 30.88	−12 43 11.4		4	809
1997 JN_{13}		1997 05 04.10139	15 05 30.15	−12 43 05.4		4	809
1997 JO_{13}	*	1997 05 03.05486	15 06 42.14	−12 20 36.5		4	809
1997 JO_{13}		1997 05 03.06806	15 06 41.32	−12 20 40.2		4	809
1997 JO_{13}		1997 05 03.08125	15 06 40.53	−12 20 40.4		4	809
1997 JO_{13}		1997 05 04.07500	15 05 38.42	−12 22 35.7	18.6	4	809
1997 JO_{13}		1997 05 04.08819	15 05 37.56	−12 22 36.9		4	809
1997 JO_{13}		1997 05 04.10139	15 05 36.66	−12 22 37.6		4	809
1997 JP_{13}	*	1997 05 03.05486	15 06 51.92	−14 06 18.0		4	809
1997 JP_{13}		1997 05 03.06806	15 06 51.41	−14 06 13.3		4	809
1997 JP_{13}		1997 05 03.08125	15 06 50.79	−14 06 09.9		4	809
1997 JP_{13}		1997 05 04.07500	15 06 04.80	−13 59 38.3	18.4	4	809
1997 JP_{13}		1997 05 04.08819	15 06 04.19	−13 59 33.1		4	809
1997 JP_{13}		1997 05 04.10139	15 06 03.56	−13 59 27.2		4	809
1997 JQ_{13}	*	1997 05 03.05486	15 07 04.23	−14 22 20.1		4	809
1997 JQ_{13}		1997 05 03.06806	15 07 03.49	−14 22 19.5		4	809
1997 JQ_{13}		1997 05 03.08125	15 07 02.80	−14 22 18.1		4	809
1997 JQ_{13}		1997 05 04.07500	15 06 12.15	−14 21 54.0	18.5	4	809
1997 JQ_{13}		1997 05 04.08819	15 06 11.41	−14 21 53.0		4	809
1997 JQ_{13}		1997 05 04.10139	15 06 10.76	−14 21 52.3		4	809
1997 JR_{13}	*	1997 05 03.05486	15 07 10.90	−12 19 28.7		4	809
1997 JR_{13}		1997 05 03.06806	15 07 10.18	−12 19 23.3		4	809
1997 JR_{13}		1997 05 03.08125	15 07 09.60	−12 19 16.8		4	809
1997 JR_{13}		1997 05 04.07500	15 06 26.74	−12 13 46.7	18.4	4	809
1997 JR_{13}		1997 05 04.08819	15 06 26.09	−12 13 41.1		4	809
1997 JR_{13}		1997 05 04.10139	15 06 25.65	−12 13 36.2		4	809
1997 JS_{13}	*	1997 05 03.05486	15 08 13.60	−13 34 50.5		4	809
1997 JS_{13}		1997 05 03.06806	15 08 12.83	−13 34 47.6		4	809
1997 JS_{13}		1997 05 03.08125	15 08 12.13	−13 34 45.0		4	809

1997 JS_{13}	1997 05 04.07500	15 07 15.14	−13 30 46.6	18.5	4	809
1997 JS_{13}	1997 05 04.08819	15 07 14.48	−13 30 44.5		4	809
1997 JS_{13}	1997 05 04.10139	15 07 13.68	−13 30 39.5		4	809
1997 JT_{13}	* 1997 05 03.05486	15 08 28.56	−13 37 34.6		4	809
1997 JT_{13}	1997 05 03.06806	15 08 27.83	−13 37 32.4		4	809
1997 JT_{13}	1997 05 03.08125	15 08 27.05	−13 37 31.3		4	809
1997 JT_{13}	1997 05 04.07500	15 07 26.96	−13 34 32.4	18.1	4	809
1997 JT_{13}	1997 05 04.08819	15 07 26.26	−13 34 30.6		4	809
1997 JT_{13}	1997 05 04.10139	15 07 25.39	−13 34 25.3		4	809
1997 JU_{13}	* 1997 05 03.05486	15 09 03.55	−16 42 41.2		4	809
1997 JU_{13}	1997 05 03.06806	15 09 02.78	−16 42 41.9		4	809
1997 JU_{13}	1997 05 03.08125	15 09 02.19	−16 42 39.2		4	809
1997 JU_{13}	1997 05 04.07500	15 08 11.15	−16 40 04.5	18.5	4	809
1997 JU_{13}	1997 05 04.08819	15 08 10.45	−16 40 02.1		4	809
1997 JU_{13}	1997 05 04.10139	15 08 09.77	−16 39 59.1		4	809
1997 JV_{13}	* 1997 05 03.05486	15 09 05.15	−14 06 48.7		4	809
1997 JV_{13}	1997 05 03.06806	15 09 04.58	−14 06 46.8		4	809
1997 JV_{13}	1997 05 03.08125	15 09 03.93	−14 06 43.8		4	809
1997 JV_{13}	1997 05 04.07500	15 08 17.87	−14 03 51.9	18.3	4	809
1997 JV_{13}	1997 05 04.08819	15 08 17.26	−14 03 50.0		4	809
1997 JV_{13}	1997 05 04.10139	15 08 16.67	−14 03 45.5		4	809
1997 JW_{13}	* 1997 05 03.05486	15 09 14.03	−14 36 51.3		4	809
1997 JW_{13}	1997 05 03.06806	15 09 13.28	−14 36 48.3		4	809
1997 JW_{13}	1997 05 03.08125	15 09 12.51	−14 36 49.5		4	809
1997 JW_{13}	1997 05 04.07500	15 08 15.03	−14 35 01.9	18.6	4	809
1997 JW_{13}	1997 05 04.08819	15 08 14.18	−14 34 59.9		4	809
1997 JW_{13}	1997 05 04.10139	15 08 13.40	−14 34 57.3		4	809
1997 JX_{13}	* 1997 05 03.05486	15 09 29.88	−14 03 39.0		4	809
1997 JX_{13}	1997 05 03.06806	15 09 29.11	−14 03 38.3		4	809
1997 JX_{13}	1997 05 03.08125	15 09 28.26	−14 03 35.4		4	809
1997 JX_{13}	1997 05 04.07500	15 08 26.44	−14 01 00.3	18.4	4	809
1997 JX_{13}	1997 05 04.08819	15 08 25.54	−14 00 57.9		4	809
1997 JX_{13}	1997 05 04.10139	15 08 24.66	−14 00 53.5		4	809
1997 JY_{13}	* 1997 05 03.05486	15 09 54.36	−15 18 45.4		4	809
1997 JY_{13}	1997 05 03.06806	15 09 53.59	−15 18 40.7		4	809
1997 JY_{13}	1997 05 03.08125	15 09 52.90	−15 18 40.0		4	809
1997 JY_{13}	1997 05 04.07500	15 08 53.36	−15 14 33.2	18.4	4	809
1997 JY_{13}	1997 05 04.08819	15 08 52.52	−15 14 29.9		4	809
1997 JY_{13}	1997 05 04.10139	15 08 51.78	−15 14 26.3		4	809
1997 JZ_{13}	* 1997 05 03.05486	15 10 26.27	−15 12 58.4		4	809
1997 JZ_{13}	1997 05 03.06806	15 10 25.60	−15 12 52.7		4	809
1997 JZ_{13}	1997 05 03.08125	15 10 24.89	−15 12 46.3		4	809
1997 JZ_{13}	1997 05 04.07500	15 09 31.42	−15 04 41.9	18.2	4	809
1997 JZ_{13}	1997 05 04.08819	15 09 30.66	−15 04 34.2		4	809
1997 JZ_{13}	1997 05 04.10139	15 09 29.94	−15 04 26.0		4	809
1997 JA_{14}	* 1997 05 03.05486	15 10 30.61	−14 41 27.8		4	809
1997 JA_{14}	1997 05 03.06806	15 10 29.96	−14 41 21.7		4	809
1997 JA_{14}	1997 05 03.08125	15 10 29.27	−14 41 16.9		4	809
1997 JA_{14}	1997 05 04.07500	15 09 40.75	−14 34 56.4	18.3	4	809
1997 JA_{14}	1997 05 04.08819	15 09 40.11	−14 34 50.6		4	809
1997 JA_{14}	1997 05 04.10139	15 09 39.47	−14 34 44.6		4	809
1997 JB_{14}	* 1997 05 03.05486	15 11 07.18	−13 51 04.4		4	809
1997 JB_{14}	1997 05 03.06806	15 11 06.50	−13 51 03.9		4	809
1997 JB_{14}	1997 05 03.08125	15 11 05.92	−13 51 04.0		4	809
1997 JB_{14}	1997 05 04.07500	15 10 13.82	−13 50 34.8	18.4	4	809
1997 JB_{14}	1997 05 04.08819	15 10 13.15	−13 50 34.8		4	809
1997 JB_{14}	1997 05 04.10139	15 10 12.51	−13 50 32.1		4	809
2785 P-L	1997 05 03.05486	14 58 05.33	−14 13 47.4		4	809
2785 P-L	1997 05 03.06806	14 58 04.62	−14 13 44.6		4	809
2785 P-L	1997 05 03.08125	14 58 03.86	−14 13 40.4		4	809
2785 P-L	1997 05 04.07500	14 57 09.61	−14 10 11.2	18.8	4	809
2785 P-L	1997 05 04.08819	14 57 08.74	−14 10 06.8		4	809
2785 P-L	1997 05 04.10139	14 57 08.03	−14 10 02.9		4	809
4036 P-L	1997 05 03.05486	14 51 24.54	−16 32 55.9		4	809
4036 P-L	1997 05 03.06806	14 51 23.79	−16 32 52.2		4	809
4036 P-L	1997 05 03.08125	14 51 23.07	−16 32 50.3		4	809
4036 P-L	1997 05 04.07500	14 50 32.73	−16 28 42.7	18.4	4	809
4036 P-L	1997 05 04.08819	14 50 31.98	−16 28 39.2		4	809
4036 P-L	1997 05 04.10139	14 50 31.25	−16 28 36.0		4	809
4638 P-L	1994 09 03.13403	22 04 57.38	−12 37 23.8	18.6	4	809
4638 P-L	1994 09 03.14722	22 04 56.71	−12 37 27.7		4	809
4638 P-L	1994 09 03.16042	22 04 56.05	−12 37 33.4		4	809
6612 P-L	1997 05 04.07500	15 06 22.00	−11 58 35.5	18.4	4	809
6612 P-L	1997 05 04.08819	15 06 21.29	−11 58 31.9		4	809
6612 P-L	1997 05 04.10139	15 06 20.61	−11 58 25.1		4	809
4197 T-3	1997 05 03.05486	14 55 37.39	−13 27 59.2		4	809
4197 T-3	1997 05 03.06806	14 55 36.65	−13 27 58.8		4	809
4197 T-3	1997 05 03.08125	14 55 35.90	−13 27 54.5		4	809
4197 T-3	1997 05 04.07500	14 54 40.63	−13 25 12.2	18.5	4	809
4197 T-3	1997 05 04.08819	14 54 39.91	−13 25 10.4		4	809
4197 T-3	1997 05 04.10139	14 54 39.12	−13 25 07.3		4	809
(110)	1997 05 03.05486	15 09 55.32	−16 01 39.3		4	809
(110)	1997 05 03.06806	15 09 54.57	−16 01 38.1		4	809
(110)	1997 05 03.08125	15 09 53.82	−16 01 36.4		4	809
(110)	1997 05 04.07500	15 08 59.84	−15 59 54.7	13.0	4	809
(110)	1997 05 04.08819	15 08 59.02	−15 59 53.2		4	809
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(1188)	1997 03 12.24236	13 32 21.58	−10 40 06.3		4	809
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816 Rand Observatory

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[GRViscome@compuserve.com]

0.37-m $f/6$ reflector + CCD

GSC, USNO-SA1.0

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1995 UO_2	1997 04 16.12086	13 01 09.89	−06 04 36.0	18.8	R		816
1995 UO_2	1997 04 16.12556	13 01 09.57	−06 04 35.8	18.3	R		816
1995 UO_2	1997 04 27.16546	12 50 38.42	−05 36 34.2	18.8	R		816
1995 UO_2	1997 04 27.16868	12 50 38.23	−05 36 33.8	18.5	R		816
1995 UO_2	1997 04 27.17622	12 50 37.84	−05 36 32.3	18.9	R		816
1995 UO_2	1997 04 27.18096	12 50 37.62	−05 36 32.2	18.6	R		816
1995 UW_3	1997 04 11.11056	11 54 04.26	+00 41 58.5	19.4	R		816
1995 UW_3	1997 04 11.11826	11 54 03.88	+00 42 00.6	19.4	R		816
1995 UW_3	1997 04 11.12168	11 54 03.77	+00 42 00.2	19.0	R		816
1995 UW_3	1997 04 12.12933	11 53 17.91	+00 46 09.5	19.2	R		816
1995 UW_3	1997 04 12.13253	11 53 17.78	+00 46 11.2	19.2	R		816
1995 UW_3	1997 04 12.14403	11 53 17.18	+00 46 13.7	18.7	R		816
1995 UW_3	1997 04 12.15118	11 53 16.95	+00 46 16.0	18.9	R		816
1995 YG	1997 04 15.18568	12 20 17.22	−03 41 03.7	18.5	R		816
1995 YG	1997 04 15.18885	12 20 17.05	−03 41 02.2	18.4	R		816
1995 YG	1997 04 15.19460	12 20 16.74	−03 41 00.1	18.0	R		816
1995 YG	1997 04 15.20134	12 20 16.39	−03 40 56.9	18.3	R		816
1995 YG	1997 04 16.08406	12 19 32.62	−03 34 49.3	17.7	R		816
1995 YG	1997 04 16.08759	12 19 32.45	−03 34 48.1	17.8	R		816
1995 YG	1997 04 16.09326	12 19 32.14	−03 34 45.5	17.8	R		816
1995 YG	1997 04 16.09907	12 19 31.85	−03 34 42.9	17.6	R		816
1996 PJ_1	1996 09 20.15475	22 01 19.30	−12 08 54.5	19.3	R		816
1996 PJ_1	1996 09 20.15789	22 01 19.30	−12 08 54.6	19.2	R	W	816
1996 PJ_1	1996 09 20.16778	22 01 18.95	−12 08 56.8	19.2	R	W	816
1996 PJ_2	1996 09 20.07824	20 53 56.77	−13 40 21.8	19.1	R	V	816
1996 PJ_2	1996 09 20.08187	20 53 56.74	−13 40 20.7	19.0	R	V	816
1996 QN_1	1996 10 06.06994	22 27 35.17	−07 08 28.6	18.4	R	W	816
1996 QN_1	1996 10 06.07322	22 27 35.10	−07 08 28.8	18.5	R		816
1996 QN_1	1996 10 06.07957	22 27 34.90	−07 08 28.4	18.4	R		816
1996 QN_1	1996 10 07.00157	22 27 12.17	−07 08 13.8	18.2	R		816
1996 QN_1	1996 10 07.00501	22 27 12.08	−07 08 13.7	18.4	R		816
1996 QN_1	1996 10 07.01108	22 27 11.95	−07 08 13.8	18.6	R		816
1996 QN_1	1996 10 12.05506	22 25 28.43	−07 05 25.5	18.5	R		816
1996 QN_1	1996 10 12.05907	22 25 28.36	−07 05 25.2	18.5	R		816
1996 SR	1996 10 06.04513	22 14 27.24	−11 40 14.1	18.9	R		816
1996 SR	1996 10 06.04950	22 14 27.24	−11 40 14.9	18.9	R		816
1996 SR	1996 10 06.05670	22 14 27.23	−11 40 16.1	19.1	R		816
1997 GH_3	1997 04 15.06431	08 47 54.03	+18 26 38.8	16.7	R		816
1997 GH_3	1997 04 15.06612	08 47 54.74	+18 26 37.6	16.5	R		816
1997 GH_3	1997 04 15.08189	08 48 01.17	+18 26 22.9	16.9	R		816
1997 GH_3	1997 04 15.08385	08 48 01.94	+18 26 21.1	16.7	R		816
1997 GH_3	1997 04 15.08582	08 48 02.70	+18 26 18.9	16.4	R		816
1997 GH_3	1997 04 27.07926	10 07 34.54	+14 25 25.5	16.2	R		816
1997 GH_3	1997 04 27.08063	10 07 35.03	+14 25 23.4	16.2	R		816
1997 GH_3	1997 04 27.08258	10 07 35.73	+14 25 20.7	16.3	R		816
1997 GH_3	1997 04 30.06381	10 25 38.29	+13 11 30.5	16.6	R		816
1997 GH_3	1997 04 30.06588	10 25 39.02	+13 11 27.3	16.5	R		816
1997 GH_3	1997 04 30.06779	10 25 39.70	+13 11 24.2	16.8	R		816
1997 GH_3	1997 04 30.07032	10 25 40.58	+13 11 20.4	16.7	R		816
1997 GH_3	1997 04 30.07191	10 25 41.11	+13 11 18.1	16.8	R		816
1997 GL_3	1997 04 15.10405	13 33 29.70	−02 17 26.5	16.6	R		816
1997 GL_3	1997 04 15.10581	13 33 29.30	−02 17 23.8	16.6	R		816
1997 GL_3	1997 04 15.10803	13 33 28.78	−02 17 20.5	16.6	R		816
1997 GL_3	1997 04 15.11006	13 33 28.31	−02 17 17.5	16.7	R		816
1997 GL_3	1997 04 16.16987	13 29 55.97	−01 52 38.6	16.8	R		816
1997 GL_3	1997 04 16.17124	13 29 55.73	−01 52 37.3	17.0	R		816
1997 GL_3	1997 04 16.17258	13 29 55.45	−01 52 35.7	16.9	R		816
1997 GL_3	1997 04 16.17410	13 29 55.14	−01 52 33.5	17.0	R		816
1997 GB_7	1997 04 27.21226	14 33 10.49	−14 09 38.6	17.9	R		816
1997 GB_7	1997 04 27.21872	14 33 10.11	−14 09 37.7	17.7	R		816
1997 GB_7	1997 04 27.22480	14 33 09.73	−14 09 36.5	17.9	R		816
1997 GB_7	1997 04 27.23063	14 33 09.35	−14 09 35.6	17.8	R		816
1997 GB_7	1997 04 27.23551	14 33 09.05	−14 09 34.5	17.9	R		816
1997 GH_{21}	1997 04 27.21226	14 33 05.99	−14 06 42.5	18.7	R		816
1997 GH_{21}	1997 04 27.21872	14 33 05.62	−14 06 42.2	18.6	R		816
1997 GH_{21}	1997 04 27.22480	14 33 05.20	−14 06 42.1	18.5	R		816
1997 GH_{21}	1997 04 27.23063	14 33 04.99	−14 06 40.9	18.5	R		816
1997 GH_{21}	1997 04 27.23551	14 33 04.70	−14 06 41.9	18.1	R		816
1997 GV_{26}	1997 04 12.10510	11 57 13.11	+00 51 01.9	18.6	R		816
1997 GV_{26}	1997 04 12.10851	11 57 12.98	+00 51 02.1	18.4	R		816
1997 GV_{26}	1997 04 12.11448	11 57 12.79	+00 51 05.2	18.8	R		816
1997 GV_{26}	1997 04 12.11794	11 57 12.67	+00 51 06.6	18.8	R		816
1997 GF_{30}	1997 04 03.15221	12 01 23.35	+00 00 49.3	20.2	R		816
1997 GF_{30}	1997 04 03.15579	12 01 23.16	+00 00 50.0	20.0	R		816
1997 GD_{32}	1997 04 27.19573	16 01 09.09	+09 43 52.9	16.4	R		816
1997 GD_{32}	1997 04 27.19709	16 01 10.46	+09 43 57.8	16.6	R		816

1997 GD_{32}		1997 04 27.19853	16 01 11.90	+09 44 03.1	16.6	R	816
1997 GD_{32}		1997 04 27.19994	16 01 13.21	+09 44 08.4	16.5	R	816
1997 GQ_{34}		1997 04 11.16855	13 06 15.28	−06 25 52.6	19.0	R	816
1997 GQ_{34}		1997 04 11.18314	13 06 14.48	−06 25 51.1	19.1	R	816
1997 GQ_{34}		1997 04 12.16376	13 05 20.22	−06 24 00.7	18.6	R	816
1997 GQ_{34}		1997 04 12.16992	13 05 19.85	−06 24 00.4	18.3	R	816
1997 GQ_{34}		1997 04 12.17412	13 05 19.60	−06 24 01.2	18.0	R	816
1997 GH_{38}	*	1997 04 15.18568	12 20 31.17	−03 48 02.0	18.8	R	816
1997 GH_{38}		1997 04 15.18885	12 20 31.07	−03 48 00.7	18.9	R	816
1997 GH_{38}		1997 04 15.19460	12 20 30.78	−03 47 58.2	19.0	R	816
1997 GH_{38}		1997 04 15.20134	12 20 30.48	−03 47 54.9	18.7	R	816
1997 GH_{38}		1997 04 16.08406	12 19 51.96	−03 41 01.5	18.7	R	W 816
1997 GH_{38}		1997 04 16.08759	12 19 51.77	−03 40 55.3	17.8	R	W 816
1997 GH_{38}		1997 04 16.09326	12 19 51.70	−03 40 53.4	18.2	R	W 816
1997 HD_8		1997 04 27.21226	14 33 43.69	−14 06 00.7	18.5	R	816
1997 HD_8		1997 04 27.22480	14 33 43.10	−14 06 01.2	19.3	R	816
1997 HD_8		1997 04 27.23063	14 33 42.87	−14 06 01.4	19.1	R	816
1171 T-1		1997 04 15.18568	12 20 28.57	−03 42 24.5	19.0	R	816
1171 T-1		1997 04 15.18885	12 20 28.44	−03 42 23.4	19.1	R	816
1171 T-1		1997 04 15.19460	12 20 28.18	−03 42 20.9	18.8	R	816
1171 T-1		1997 04 15.20134	12 20 27.82	−03 42 17.6	19.0	R	816
1171 T-1		1997 04 16.08406	12 19 47.68	−03 35 31.3	17.8	R	816
1171 T-1		1997 04 16.08759	12 19 47.44	−03 35 28.7	18.3	R	816
1171 T-1		1997 04 16.09326	12 19 47.20	−03 35 25.1	18.7	R	816
1171 T-1		1997 04 16.09907	12 19 46.92	−03 35 23.1	18.6	R	816
(324)		1997 04 15.05165	07 52 03.79	+23 34 49.5	12.4	R	816
(324)		1997 04 15.05213	07 52 03.81	+23 34 49.3	12.4	R	816
(324)		1997 04 15.05260	07 52 03.83	+23 34 49.2	12.4	R	816
(324)		1997 04 15.05309	07 52 03.85	+23 34 49.0	12.4	R	816
(324)		1997 04 15.05357	07 52 03.88	+23 34 48.8	12.4	R	816
(324)		1997 04 15.17296	07 52 09.38	+23 34 12.3	12.3	R	816
(324)		1997 04 15.17345	07 52 09.41	+23 34 12.1	12.4	R	816
(324)		1997 04 15.17392	07 52 09.42	+23 34 11.9	12.3	R	816
(324)		1997 04 15.17441	07 52 09.44	+23 34 11.8	12.4	R	816
(324)		1997 04 15.17488	07 52 09.47	+23 34 11.8	12.3	R	816
(324)		1997 04 16.05365	07 52 50.99	+23 29 46.3	12.5	R	816
(324)		1997 04 16.05412	07 52 51.02	+23 29 46.2	12.5	R	816
(324)		1997 04 16.05459	07 52 51.04	+23 29 46.0	12.3	R	816
(324)		1997 04 16.05507	07 52 51.05	+23 29 45.9	12.6	R	816
(324)		1997 04 16.05556	07 52 51.08	+23 29 45.6	12.4	R	816
(7244)		1996 08 11.26735	22 34 39.40	−09 04 09.4	17.4	R	816
(7244)		1996 08 11.27054	22 34 39.28	−09 04 10.4	17.4	R	816
(7244)		1996 08 11.27604	22 34 39.05	−09 04 11.8	17.4	R	816
(7244)		1996 08 11.28007	22 34 38.89	−09 04 13.1	17.4	R	816

824 Lake Clear

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0.41-m $f/5.0$ reflector + CCD

GSC

1992 HK_1		1997 05 14.15233	13 43 14.10	−10 25 34.2	19.2	R	824
1992 HK_1		1997 05 14.15736	13 43 13.91	−10 25 33.1	19.3	R	824
1992 HK_1		1997 05 14.16296	13 43 13.66	−10 25 32.4	19.1	R	824
1994 WT_2		1997 05 01.11559	14 19 08.70	−13 12 53.9	18.1	R	824
1994 WT_2		1997 05 01.12351	14 19 08.54	−13 12 53.1	18.3	R	824
1994 WT_2		1997 05 01.12854	14 19 08.26	−13 12 51.8	18.1	R	824
(1383)		1997 05 14.13486	12 12 20.02	−01 20 04.8	18.9	R	824
(1383)		1997 05 14.13933	12 12 19.94	−01 20 04.0	18.8	R	824
(1383)		1997 05 14.14389	12 12 19.90	−01 20 03.4	18.6	R	824
(1500)		1997 05 14.13486	12 11 28.47	−01 16 27.1	17.5	R	824
(1500)		1997 05 14.13933	12 11 28.39	−01 16 27.6	17.4	R	824
(1500)		1997 05 14.14389	12 11 28.33	−01 16 27.8	17.5	R	824
(6679)		1997 05 14.15233	13 42 41.38	−10 28 21.3	17.4	R	824
(6679)		1997 05 14.15736	13 42 41.10	−10 28 20.8	17.5	R	824
(6679)		1997 05 14.16296	13 42 40.83	−10 28 20.3	17.4	R	824

861 Barão Geraldo

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

GSC

(335)		1997 03 18.31660	21 05 45.30	−14 22 20.4	14.3	R	861
(335)		1997 03 18.32671	21 05 46.59	−14 22 15.5	14.3	R	861
(1943)		1997 04 04.27047	19 16 58.71	−34 14 58.4	17.0	R	861
(1943)		1997 04 04.30316	19 17 08.24	−34 14 00.0			861

867 Saji Observatory

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

1.03-m $f/4.2$ reflector + CCD

GSC

1996 XV_{30}		1997 03 04.58370	06 37 52.81	+27 19 10.9			867
1996 XV_{30}		1997 03 04.61356	06 37 53.54	+27 19 14.8	20.1	V	867
1996 XN_{32}		1997 03 04.59539	06 56 04.13	+30 55 23.1			867
1996 XN_{32}		1997 03 04.62416	06 56 04.92	+30 55 20.6	19.8	V	867
1997 AQ_{16}		1997 03 04.60106	06 36 56.25	+23 15 10.2			867
1997 AQ_{16}		1997 03 04.62873	06 36 57.21	+23 15 08.4	19.5	V	867

886 Susono

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0.25-m $f/6.3$ reflector + CCD

GSC

1990 AD		1997 04 29.62234	14 08 04.86	+08 47 57.1	17.5	V	886
1990 AD		1997 04 29.63587	14 08 04.47	+08 47 59.1			886
1990 AD		1997 05 05.60266	14 03 48.95	+08 56 03.9			886
1990 AD		1997 05 05.61587	14 03 48.59	+08 56 04.6			886

897 YGCO Chiyoda Station

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0.25-m $f/6.0$ reflector + CCD

GSC

1997 GD_{32}		1997 04 26.57608	15 51 27.00	+09 08 43.0			897
1997 GD_{32}		1997 04 26.58911	15 51 37.83	+09 09 25.7			897
1997 GD_{32}		1997 04 26.59149	15 51 39.73	+09 09 32.4			897
1997 GD_{32}		1997 04 29.56733	16 56 12.38	+12 38 32.2			897

1997 GD_{32}	1997 04 29.57607	16 56 28.48	+12 39 19.2		897
1997 GD_{32}	1997 04 29.64495	16 58 35.99	+12 45 27.3		897
1997 GD_{32}	1997 04 29.64725	16 58 40.22	+12 45 39.6		897
1997 GD_{32}	1997 04 29.65086	16 58 47.01	+12 45 59.0		897
1997 GD_{32}	1997 04 29.65206	16 58 49.23	+12 46 05.6		897
1997 GD_{32}	1997 04 29.65421	16 58 53.25	+12 46 17.5		897

900 Moriyama

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0.25-m $f/6.3$ reflector + CCD

GSC

1997 AR_{16}	1997 04 26.48236	11 12 35.83	+01 44 51.3	16.4 V	900
1997 AR_{16}	1997 04 26.54415	11 12 34.60	+01 44 33.0		900
1997 GA_{26}	1997 04 19.61625	13 38 25.21	−03 31 37.1	16.4 V	900
1997 GA_{26}	1997 04 19.62598	13 38 24.52	−03 31 37.2	16.4 V	900
1997 GA_{26}	1997 04 26.57533	13 31 07.75	−03 32 21.8		900
1997 GA_{26}	1997 04 26.58744	13 31 06.96	−03 32 21.9	17.0 V	900
1997 GA_{26}	1997 05 09.61397	13 19 37.52	−03 54 35.6	16.7 V	900
1997 GA_{26}	1997 05 09.62667	13 19 36.93	−03 54 38.7		900
1997 GA_{26}	1997 05 17.57366	13 14 59.22	−04 23 29.0		900
1997 GA_{26}	1997 05 17.58840	13 14 58.71	−04 23 32.3		900
1997 JE_{10}	1997 05 17.61037	15 38 27.17	−13 23 58.7	17.0 V	900
1997 JE_{10}	1997 05 17.62309	15 38 26.49	−13 23 59.2		900

910 Caussols-ODAS

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Measurers M. Lundström, G. Hahn

0.9-m Schmidt + CCD

GSC

1995 YP_3	1997 05 01.85524	14 24 33.22	−10 13 39.5	18.6 V	910
1995 YP_3	1997 05 01.87853	14 24 31.88	−10 13 32.9	18.4 V	910
1995 YP_3	1997 05 01.90491	14 24 30.35	−10 13 25.4	18.7 V	910
1995 YP_3	1997 05 02.96553	14 23 30.52	−10 08 25.6	19.0 V	910
1995 YP_3	1997 05 02.99398	14 23 28.88	−10 08 17.6	18.6 V	910
1995 YP_3	1997 05 03.01689	14 23 27.55	−10 08 11.1	18.8 V	910
1997 FZ	1997 05 02.84712	12 00 01.78	+00 01 32.2	19.2 V	910
1997 FZ	1997 05 02.87049	12 00 01.37	+00 01 35.2	19.2 V	910
1997 FZ	1997 05 02.89456	12 00 00.97	+00 01 37.8	19.3 V	910
1997 FZ_1	1997 02 10.13773	13 35 30.21	−09 52 47.8	18.8 V	910
1997 FZ_1	1997 02 10.16119	13 35 31.07	−09 52 53.4	19.1 V	910
1997 FZ_1	1997 02 10.18746	13 35 32.04	−09 52 59.4	20.2 V	910
1997 FX_2	1997 04 10.09804	12 44 02.42	−08 01 15.6	19.2 V	910
1997 FX_2	1997 04 10.10403	12 44 02.11	−08 01 13.2	19.8 V	910
1997 FX_2	1997 04 10.11270	12 44 01.68	−08 01 09.5	19.3 V	910
1997 GH_6	1997 05 01.85857	14 29 22.74	−09 59 05.9	16.3 V	910
1997 GH_6	1997 05 01.88186	14 29 21.48	−09 58 57.9	16.2 V	910
1997 GH_6	1997 05 01.90823	14 29 20.05	−09 58 48.7	16.3 V	910
1997 GH_6	1997 05 02.96891	14 28 24.71	−09 52 42.8	17.1 V	910
1997 GH_6	1997 05 02.99736	14 28 23.17	−09 52 33.0	16.7 V	910
1997 GH_6	1997 05 03.02027	14 28 21.92	−09 52 25.2	16.5 V	910
1997 GG_7	1997 05 01.85748	14 27 48.14	−09 57 21.9	19.6 V	910
1997 GG_7	1997 05 01.88077	14 27 46.73	−09 57 13.1	19.5 V	910
1997 GG_7	1997 05 01.90714	14 27 45.14	−09 57 03.3	19.5 V	910
1997 GG_7	1997 05 02.96773	14 26 42.92	−09 50 26.0	19.5 V	910
1997 GG_7	1997 05 02.99618	14 26 41.21	−09 50 15.1	19.5 V	910
1997 GG_7	1997 05 03.01909	14 26 39.83	−09 50 06.4	19.5 V	910
1997 GC_9	1997 04 10.09804	12 44 11.37	−07 59 28.3	19.5 V	910
1997 GC_9	1997 04 10.10403	12 44 11.03	−07 59 27.1	19.4 V	910
1997 GC_9	1997 04 10.11270	12 44 10.58	−07 59 25.0	19.4 V	910
1997 GE_9	1997 04 10.09804	12 44 20.98	−08 08 48.3	20.4 V	910
1997 GE_9	1997 04 10.10403	12 44 20.60	−08 08 46.7	19.8 V	910
1997 GE_9	1997 04 10.11270	12 44 20.12	−08 08 43.4	19.7 V	910
1997 JE_1	* 1997 05 01.83853	14 00 26.19	−10 07 55.4	18.3 V	910
1997 JE_1	1997 05 01.86182	14 00 25.01	−10 07 53.5	18.2 V	910
1997 JE_1	1997 05 01.88820	14 00 23.65	−10 07 51.3	17.9 V	910
1997 JE_1	1997 05 02.94891	13 59 30.77	−10 06 18.5	18.7 V	910
1997 JE_1	1997 05 02.97736	13 59 29.31	−10 06 16.1	18.7 V	910
1997 JE_1	1997 05 03.00027	13 59 28.16	−10 06 13.8	18.7 V	910
1997 JF_1	* 1997 05 01.83876	14 00 46.11	−10 14 08.5	18.4 V	910
1997 JF_1	1997 05 01.86205	14 00 44.81	−10 13 59.9	18.5 V	910
1997 JF_1	1997 05 01.88842	14 00 43.33	−10 13 50.4	18.5 V	910
1997 JF_1	1997 05 02.94909	13 59 46.25	−10 07 19.3	19.0 V	910
1997 JF_1	1997 05 02.97753	13 59 44.68	−10 07 09.1	19.1 V	910
1997 JF_1	1997 05 03.00045	13 59 43.40	−10 07 00.4	19.0 V	910
1997 JG_1	* 1997 05 01.83913	14 01 18.46	−10 13 13.4	17.8 V	910
1997 JG_1	1997 05 01.86243	14 01 17.27	−10 13 11.5	17.7 V	910
1997 JG_1	1997 05 01.88880	14 01 15.92	−10 13 09.4	17.5 V	910
1997 JG_1	1997 05 02.94951	14 00 22.59	−10 11 45.2	18.1 V	910
1997 JG_1	1997 05 02.97795	14 00 21.13	−10 11 42.8	18.0 V	910
1997 JG_1	1997 05 03.00087	14 00 19.96	−10 11 41.0	17.9 V	910
1997 JH_1	* 1997 05 01.83913	14 01 18.48	−10 20 17.2	19.3 V	910
1997 JH_1	1997 05 01.86243	14 01 17.51	−10 19 59.6	19.5 V	910
1997 JH_1	1997 05 01.88881	14 01 16.37	−10 19 38.9	19.0 V	910
1997 JH_1	1997 05 02.94963	14 00 33.11	−10 05 49.9	19.5 V	910
1997 JH_1	1997 05 02.97808	14 00 31.90	−10 05 28.0	19.3 V	910
1997 JH_1	1997 05 03.00100	14 00 30.95	−10 05 10.1	19.5 V	910
1997 JJ_1	* 1997 05 01.83991	14 02 26.11	−09 59 40.4	19.3 V	910
1997 JJ_1	1997 05 01.86321	14 02 24.98	−09 59 32.6	19.3 V	910
1997 JJ_1	1997 05 01.88958	14 02 23.71	−09 59 23.6	19.4 V	910
1997 JJ_1	1997 05 02.95033	14 01 33.80	−09 53 18.7	19.9 V	910
1997 JJ_1	1997 05 02.97877	14 01 32.41	−09 53 09.0	20.4 V	910
1997 JJ_1	1997 05 03.00169	14 01 31.32	−09 53 01.4	19.9 V	910
1997 JK_1	* 1997 05 01.84030	14 02 59.61	−09 55 14.4	18.6 V	910
1997 JK_1	1997 05 01.86359	14 02 58.54	−09 55 10.7	18.6 V	910
1997 JK_1	1997 05 01.88997	14 02 57.34	−09 55 06.2	18.7 V	910
1997 JK_1	1997 05 02.95074	14 02 09.75	−09 52 04.5	19.0 V	910
1997 JK_1	1997 05 02.97919	14 02 08.44	−09 51 59.6	19.1 V	910
1997 JK_1	1997 05 03.00211	14 02 07.40	−09 51 55.8	18.8 V	910
1997 JL_1	* 1997 05 01.84063	14 03 27.97	−10 09 48.8	19.7 V	910
1997 JL_1	1997 05 01.86392	14 03 26.55	−10 09 43.3	19.4 V	910
1997 JL_1	1997 05 01.89029	14 03 24.99	−10 09 37.5	19.9 V	910

1997 JL_1		1997 05 02.95090	14 02 22.96	−10 05 34.6	19.9	V	910
1997 JL_1		1997 05 02.97934	14 02 21.26	−10 05 27.9	20.3	V	910
1997 JL_1		1997 05 03.00225	14 02 19.89	−10 05 22.7	19.9	V	910
1997 JM_1	*	1997 05 01.84079	14 03 42.15	−10 17 46.6	20.6	V	910
1997 JM_1		1997 05 01.86408	14 03 40.79	−10 17 43.7	20.3	V	910
1997 JM_1		1997 05 01.89046	14 03 39.19	−10 17 39.7	20.3	V	910
1997 JM_1		1997 05 02.95106	14 02 36.81	−10 15 03.9	20.9	V	910
1997 JM_1		1997 05 02.97950	14 02 35.10	−10 14 59.7	20.2	V	910
1997 JM_1		1997 05 03.00242	14 02 33.74	−10 14 56.4	20.8	V	910
1997 JN_1	*	1997 05 01.84158	14 04 50.18	−10 12 05.2	19.5	V	910
1997 JN_1		1997 05 01.86487	14 04 48.92	−10 12 02.3	19.7	V	910
1997 JN_1		1997 05 01.89124	14 04 47.52	−10 11 59.4	19.3	V	910
1997 JN_1		1997 05 02.95192	14 03 51.84	−10 09 56.1	19.4	V	910
1997 JN_1		1997 05 02.98037	14 03 50.32	−10 09 52.9	19.3	V	910
1997 JN_1		1997 05 03.00329	14 03 49.09	−10 09 50.2	19.3	V	910
1997 JO_1	*	1997 05 01.84301	14 06 54.49	−09 54 00.6	19.1	V	910
1997 JO_1		1997 05 01.86630	14 06 53.17	−09 53 53.4	19.4	V	910
1997 JO_1		1997 05 01.89267	14 06 51.66	−09 53 44.7	19.3	V	910
1997 JO_1		1997 05 02.95331	14 05 52.59	−09 48 03.5	19.5	V	910
1997 JO_1		1997 05 02.98175	14 05 50.97	−09 47 54.3	19.7	V	910
1997 JO_1		1997 05 03.00467	14 05 49.66	−09 47 47.0	19.6	V	910
1997 JP_1	*	1997 05 01.84304	14 06 57.27	−10 05 38.2	19.3	V	910
1997 JP_1		1997 05 01.86633	14 06 55.73	−10 05 35.9	19.3	V	910
1997 JP_1		1997 05 01.89270	14 06 53.96	−10 05 32.8	19.4	V	910
1997 JP_1		1997 05 02.95323	14 05 44.88	−10 03 35.7	19.9	V	910
1997 JP_1		1997 05 02.98167	14 05 43.00	−10 03 32.6	19.4	V	910
1997 JP_1		1997 05 03.00458	14 05 41.48	−10 03 30.3	19.7	V	910
1997 JQ_1	*	1997 05 01.84306	14 06 58.72	−09 55 02.5	18.3	V	910
1997 JQ_1		1997 05 01.86635	14 06 57.67	−09 54 51.2	18.2	V	910
1997 JQ_1		1997 05 01.89273	14 06 56.46	−09 54 38.2	18.2	V	910
1997 JQ_1		1997 05 02.95351	14 06 10.39	−09 46 00.5	18.7	V	910
1997 JQ_1		1997 05 02.98196	14 06 09.11	−09 45 46.7	18.7	V	910
1997 JQ_1		1997 05 03.00488	14 06 08.08	−09 45 35.5	18.6	V	910
1997 JR_1	*	1997 05 01.84327	14 07 16.66	−10 15 31.7	19.7	V	910
1997 JR_1		1997 05 01.86657	14 07 15.60	−10 15 26.3	19.7	V	910
1997 JR_1		1997 05 01.89294	14 07 14.39	−10 15 19.5	19.7	V	910
1997 JR_1		1997 05 02.95372	14 06 27.38	−10 10 55.1	20.1	V	910
1997 JR_1		1997 05 02.98217	14 06 26.08	−10 10 48.1	20.0	V	910
1997 JR_1		1997 05 03.00509	14 06 25.05	−10 10 42.3	19.9	V	910
1997 JS_1	*	1997 05 01.84421	14 08 37.98	−10 12 39.4	20.5	V	910
1997 JS_1		1997 05 01.86750	14 08 36.93	−10 12 31.0	20.3	V	910
1997 JS_1		1997 05 01.89388	14 08 35.84	−10 12 21.5	20.8	V	910
1997 JS_1		1997 05 02.95468	14 07 50.83	−10 05 57.6	20.6	V	910
1997 JS_1		1997 05 02.98313	14 07 49.59	−10 05 46.8	20.6	V	910
1997 JS_1		1997 05 03.00605	14 07 48.60	−10 05 39.3	20.4	V	910
1997 JT_1	*	1997 05 01.84677	14 12 19.78	−10 06 33.9	19.5	V	910
1997 JT_1		1997 05 01.87006	14 12 18.50	−10 06 26.8	19.6	V	910
1997 JT_1		1997 05 01.89643	14 12 17.02	−10 06 19.3	19.6	V	910
1997 JT_1		1997 05 02.95709	14 11 19.43	−10 01 04.3	19.9	V	910
1997 JT_1		1997 05 02.98553	14 11 17.85	−10 00 55.7	19.7	V	910
1997 JT_1		1997 05 03.00845	14 11 16.58	−10 00 49.0	19.9	V	910
1997 JU_1	*	1997 05 01.84702	14 12 42.19	−10 02 36.8	19.4	V	910
1997 JU_1		1997 05 01.87032	14 12 40.82	−10 02 38.3	20.5	V	910
1997 JU_1		1997 05 01.89669	14 12 39.34	−10 02 39.8	20.9	V	910
1997 JU_1		1997 05 02.95733	14 11 40.07	−10 03 45.4	20.5	V	910
1997 JU_1		1997 05 02.98577	14 11 38.43	−10 03 46.9	20.5	V	910
1997 JU_1		1997 05 03.00869	14 11 37.12	−10 03 48.3	20.4	V	910
1997 JV_1	*	1997 05 01.84721	14 12 58.25	−10 00 14.0	18.8	V	910
1997 JV_1		1997 05 01.87050	14 12 56.92	−10 00 08.2	19.3	V	910
1997 JV_1		1997 05 01.89687	14 12 55.38	−10 00 01.0	19.9	V	910
1997 JV_1		1997 05 02.95750	14 11 55.78	−09 55 20.2	19.1	V	910
1997 JV_1		1997 05 02.98595	14 11 54.12	−09 55 12.8	20.0	V	910
1997 JV_1		1997 05 03.00886	14 11 52.81	−09 55 06.7	19.8	V	910
1997 JW_1	*	1997 05 01.84821	14 14 25.22	−09 55 43.5	18.6	V	910
1997 JW_1		1997 05 01.87150	14 14 23.70	−09 55 45.2	18.6	V	910
1997 JW_1		1997 05 01.89787	14 14 21.97	−09 55 47.1	18.5	V	910
1997 JW_1		1997 05 02.95842	14 13 15.48	−09 57 05.6	19.0	V	910
1997 JW_1		1997 05 02.98687	14 13 13.62	−09 57 07.7	18.9	V	910
1997 JW_1		1997 05 03.00978	14 13 12.12	−09 57 09.4	18.8	V	910
1997 JX_1	*	1997 05 01.84851	14 14 50.85	−10 08 42.8	19.3	V	910
1997 JX_1		1997 05 01.87181	14 14 49.75	−10 08 27.5	19.3	V	910
1997 JX_1		1997 05 01.89818	14 14 48.40	−10 08 10.7	18.8	V	910
1997 JX_1		1997 05 02.95893	14 13 59.49	−09 56 40.2	19.6	V	910
1997 JX_1		1997 05 02.98738	14 13 58.11	−09 56 21.5	19.4	V	910
1997 JX_1		1997 05 03.01030	14 13 57.03	−09 56 06.7	19.6	V	910
1997 JY_1	*	1997 05 01.84865	14 15 02.14	−10 14 56.7	18.8	V	910
1997 JY_1		1997 05 01.87194	14 15 00.74	−10 14 55.5	18.8	V	910
1997 JY_1		1997 05 01.89831	14 14 59.15	−10 14 54.2	18.8	V	910
1997 JY_1		1997 05 02.95891	14 13 56.88	−10 13 58.6	19.0	V	910
1997 JY_1		1997 05 02.98736	14 13 55.17	−10 13 57.1	18.9	V	910
1997 JY_1		1997 05 03.01027	14 13 53.80	−10 13 55.8	19.0	V	910
1997 JZ_1	*	1997 05 01.84888	14 15 23.47	−10 00 24.4	20.8	V	910
1997 JZ_1		1997 05 01.87218	14 15 22.34	−10 00 20.1	20.9	V	910
1997 JZ_1		1997 05 01.89855	14 15 21.02	−10 00 14.6	20.8	V	910
1997 JZ_1		1997 05 02.95928	14 14 30.09	−09 56 48.6	20.3	V	910
1997 JZ_1		1997 05 02.98773	14 14 28.71	−09 56 42.7	20.2	V	910
1997 JZ_1		1997 05 03.01065	14 14 27.58	−09 56 38.6	20.3	V	910
1997 JA_2	*	1997 05 01.84945	14 16 12.46	−09 57 47.8	21.5	V	910
1997 JA_2		1997 05 01.87274	14 16 11.09	−09 57 42.4	20.9	V	910
1997 JA_2		1997 05 01.89911	14 16 09.55	−09 57 36.7	21.2	V	910
1997 JA_2		1997 05 02.95974	14 15 09.29	−09 53 43.8	21.0	V	910
1997 JA_2		1997 05 02.98818	14 15 07.64	−09 53 37.4	20.8	V	910
1997 JA_2		1997 05 03.01109	14 15 06.32	−09 53 32.7	21.0	V	910
1997 JB_2	*	1997 05 01.85039	14 17 33.76	−10 03 42.6	21.0	V	910
1997 JB_2		1997 05 01.87368	14 17 32.46	−10 03 37.1	21.0	V	910
1997 JB_2		1997 05 01.90005	14 17 30.96	−10 03 30.3	20.9	V	910
1997 JB_2		1997 05 02.96070	14 16 32.16	−09 58 49.5	20.7	V	910
1997 JB_2		1997 05 02.98914	14 16 30.53	−09 58 42.4	20.9	V	910
1997 JB_2		1997 05 03.01206	14 16 29.22	−09 58 36.4	20.9	V	910
1997 JC_2	*	1997 05 01.85072	14 18 02.71	−09 53 59.1	20.4	V	910
1997 JC_2		1997 05 01.87401	14 18 01.37	−09 53 56.9	20.0	V	910
1997 JC_2		1997 05 01.90038	14 17 59.83	−09 53 54.5	20.3	V	910
1997 JC_2		1997 05 02.96101	14 16 59.99	−09 52 21.2	20.2	V	910
1997 JC_2		1997 05 02.98946	14 16 58.32	−09 52 18.8	20.2	V	910

1997 JC_2	1997 05 03.01237	14 16 56.99	−09 52 16.9	20.3 V		910
1997 JD_2	* 1997 05 01.85181	14 19 37.43	−09 56 36.9	19.4 V		910
1997 JD_2	1997 05 01.87510	14 19 36.05	−09 56 31.0	19.5 V		910
1997 JD_2	1997 05 01.90147	14 19 34.44	−09 56 24.0	19.6 V		910
1997 JD_2	1997 05 02.96207	14 18 32.09	−09 51 43.5	19.6 V		910
1997 JD_2	1997 05 02.99052	14 18 30.38	−09 51 36.1	19.4 V		910
1997 JD_2	1997 05 03.01343	14 18 29.01	−09 51 30.0	19.3 V		910
1997 JE_2	* 1997 05 01.85298	14 21 18.66	−10 00 33.5	20.3 V		910
1997 JE_2	1997 05 01.87628	14 21 17.43	−10 00 29.7	20.8 V		910
1997 JE_2	1997 05 01.90265	14 21 16.04	−10 00 25.5	20.7 V		910
1997 JE_2	1997 05 02.96333	14 20 20.80	−09 57 40.3	20.8 V		910
1997 JE_2	1997 05 02.99178	14 20 19.29	−09 57 35.9	20.7 V		910
1997 JE_2	1997 05 03.01470	14 20 18.08	−09 57 32.3	20.9 V		910
1997 JF_2	* 1997 05 01.85359	14 22 11.09	−10 08 14.6	20.1 V		910
1997 JF_2	1997 05 01.87689	14 22 09.86	−10 08 03.3	19.8 V		910
1997 JF_2	1997 05 01.90326	14 22 08.45	−10 07 50.4	19.9 V		910
1997 JF_2	1997 05 02.96394	14 21 13.16	−09 59 13.9	20.8 V		910
1997 JF_2	1997 05 02.99238	14 21 11.65	−09 59 00.2	20.7 V		910
1997 JF_2	1997 05 03.01530	14 21 10.45	−09 58 48.7	20.9 V		910
1997 JG_2	* 1997 05 01.85387	14 22 35.79	−09 55 03.5	19.7 V		910
1997 JG_2	1997 05 01.87716	14 22 34.39	−09 54 59.1	19.5 V		910
1997 JG_2	1997 05 01.90353	14 22 32.83	−09 54 54.3	19.5 V		910
1997 JG_2	1997 05 02.96415	14 21 31.75	−09 51 35.9	19.6 V		910
1997 JG_2	1997 05 02.99259	14 21 30.06	−09 51 30.4	19.7 V		910
1997 JG_2	1997 05 03.01550	14 21 28.70	−09 51 26.3	19.8 V		910
1997 JH_2	* 1997 05 01.85526	14 24 36.36	−09 51 46.7	20.7 V		910
1997 JH_2	1997 05 01.87855	14 24 35.23	−09 51 42.1	20.7 V		910
1997 JH_2	1997 05 01.90493	14 24 34.00	−09 51 36.5	20.7 V		910
1997 JH_2	1997 05 02.96567	14 23 44.55	−09 47 51.1	21.0 V		910
1997 JH_2	1997 05 02.99412	14 23 43.19	−09 47 44.8	20.7 V		910
1997 JH_2	1997 05 03.01704	14 23 42.10	−09 47 40.2	20.7 V		910
1997 JJ_2	* 1997 05 01.85532	14 24 39.96	−10 15 10.9	20.9 V		910
1997 JJ_2	1997 05 01.87861	14 24 38.53	−10 15 05.1	20.8 V		910
1997 JJ_2	1997 05 01.90498	14 24 36.96	−10 14 58.5	21.4 V		910
1997 JJ_2	1997 05 02.96559	14 23 35.44	−10 10 42.1	21.3 V		910
1997 JJ_2	1997 05 02.99404	14 23 33.70	−10 10 35.3	21.2 V		910
1997 JJ_2	1997 05 03.01695	14 23 32.38	−10 10 29.6	21.1 V		910
1997 JK_2	* 1997 05 01.85658	14 26 30.07	−10 07 09.3	20.0 V		910
1997 JK_2	1997 05 01.87988	14 26 28.76	−10 07 03.1	19.9 V		910
1997 JK_2	1997 05 01.90625	14 26 27.33	−10 06 56.5	20.3 V		910
1997 JK_2	1997 05 02.96692	14 25 30.85	−10 02 15.6	20.9 V		910
1997 JK_2	1997 05 02.99536	14 25 29.30	−10 02 08.0	20.8 V		910
1997 JK_2	1997 05 03.01828	14 25 28.00	−10 02 01.8	21.1 V		910
1997 JL_2	* 1997 05 01.85802	14 28 35.06	−10 01 58.4	19.2 V		910
1997 JL_2	1997 05 01.88132	14 28 33.99	−10 01 53.1	18.8 V		910
1997 JL_2	1997 05 01.90769	14 28 32.77	−10 01 47.3	18.6 V		910
1997 JL_2	1997 05 02.96846	14 27 44.76	−09 57 55.1	20.2 V		910
1997 JL_2	1997 05 02.99691	14 27 43.45	−09 57 49.1	20.1 V		910
1997 JL_2	1997 05 03.01982	14 27 42.39	−09 57 43.9	20.1 V		910
1997 JM_2	* 1997 05 01.85862	14 29 27.13	−09 57 17.5	19.1 V		910
1997 JM_2	1997 05 01.88191	14 29 26.08	−09 57 08.3	19.1 V		910
1997 JM_2	1997 05 01.90829	14 29 24.89	−09 56 57.6	19.1 V		910
1997 JM_2	1997 05 02.96907	14 28 38.32	−09 49 50.9	19.1 V		910
1997 JM_2	1997 05 02.99751	14 28 37.03	−09 49 39.4	19.1 V		910
1997 JM_2	1997 05 03.02043	14 28 36.02	−09 49 30.3	19.1 V		910
1997 JN_2	* 1997 05 01.85910	14 30 08.83	−10 02 12.4	19.2 V		910
1997 JN_2	1997 05 01.88240	14 30 07.64	−10 02 10.3	19.5 V		910
1997 JN_2	1997 05 01.90877	14 30 06.32	−10 02 07.7	18.8 V		910
1997 JN_2	1997 05 02.96949	14 29 13.62	−10 00 35.9	19.0 V		910
1997 JN_2	1997 05 02.99793	14 29 12.17	−10 00 33.5	18.9 V		910
1997 JN_2	1997 05 03.02085	14 29 11.02	−10 00 31.6	19.0 V		910
(2227)	1997 05 02.86856	12 30 59.63	−00 09 33.4	18.9 V		910
(2227)	1997 05 02.89193	12 30 58.92	−00 09 27.6	19.0 V		910
(2227)	1997 05 02.91600	12 30 58.21	−00 09 21.6	18.9 V		910
(2729)	1997 05 01.84066	14 03 30.73	−10 04 43.9	16.5 V		910
(2729)	1997 05 01.86395	14 03 29.57	−10 04 39.3	16.6 V		910
(2729)	1997 05 01.89033	14 03 28.26	−10 04 34.1	16.6 V		910
(2729)	1997 05 02.95105	14 02 36.61	−10 01 02.4	16.7 V		910
(2729)	1997 05 02.97950	14 02 35.19	−10 00 56.7	16.9 V		910
(2729)	1997 05 03.00242	14 02 34.05	−10 00 52.2	16.7 V		910
(5837)	1997 05 02.86820	12 30 28.37	+00 06 13.9	18.2 V		910
(5837)	1997 05 02.89157	12 30 27.72	+00 06 16.7	18.3 V		910
(5837)	1997 05 02.91564	12 30 27.06	+00 06 19.8	18.4 V		910
(6187)	1997 05 02.85778	12 15 25.59	+00 04 46.5	19.5 V		910
(6187)	1997 05 02.88115	12 15 24.99	+00 04 49.7	19.3 V		910
(6187)	1997 05 02.90522	12 15 24.38	+00 04 52.5	19.4 V		910
(6829)	1997 05 01.83818	13 59 56.11	−09 51 36.8	19.1 V		910
(6829)	1997 05 01.86148	13 59 54.98	−09 51 30.1	18.8 V		910
(6829)	1997 05 01.88785	13 59 53.72	−09 51 22.9	18.8 V		910
(7608)	1997 05 02.86838	12 30 43.92	−00 00 09.1	20.6 V		910
(7608)	1997 05 02.89175	12 30 43.14	−00 00 07.1	19.9 V		910
(7608)	1997 05 02.91582	12 30 42.32	−00 00 04.9	19.7 V		910

954 Teide Observatory

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Observers A. Oscoz, R. Casas

Measurers R. Casas, J. Licandro

0.8-m $f/11.3$ Cassegrain + CCD

GSC

1997 JB	1997 05 03.04848	13 45 24.98	+30 21 06.5	17.0 R		954
1997 JB	1997 05 03.05104	13 45 24.78	+30 21 04.3	17.0 R		954
1997 JB	1997 05 03.05313	13 45 24.60	+30 21 02.4	17.0 R		954
1997 JB	1997 05 03.05521	13 45 24.43	+30 21 00.5	17.0 R		954
1997 JB	1997 05 03.05729	13 45 24.26	+30 20 58.7	17.1 R		954

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0.20-m $f/6.15$ reflector + CCD

(47)	1997 04 30.94616	11 03 46.81	+06 25 19.4	13.2		957
(47)	1997 04 30.94808	11 03 46.79	+06 25 19.3	13.3		957
(47)	1997 04 30.97941	11 03 46.52	+06 25 18.3	13.2		957
(47)	1997 04 30.98283	11 03 46.50	+06 25 18.1	13.2		957
(47)	1997 05 02.86454	11 03 34.34	+06 24 06.0	13.2		957

(47)	1997 05 02.90973	11 03 34.06	+06 24 03.9	13.2	957
(811)	1997 04 30.92196	10 37 23.73	+11 31 36.9	15.9	957
(811)	1997 04 30.94058	10 37 23.85	+11 31 35.5	15.9	957
(811)	1997 04 30.97313	10 37 24.01	+11 31 34.3	15.9	957
(811)	1997 04 30.97559	10 37 24.05	+11 31 33.9	16.0	957
(811)	1997 05 02.86011	10 37 38.65	+11 29 37.4	15.9	957
(811)	1997 05 02.91491	10 37 39.17	+11 29 31.8	15.8	957

958 Observatoire de Dax

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Observers P. Dupouy, J.-F. Lahitte

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

GSC

1997 EP_{30}	1997 04 04.82983	10 11 58.21	+28 03 03.7	17.3	958
1997 EP_{30}	1997 04 04.84215	10 11 57.96	+28 03 01.3	17.3	958
1997 EP_{30}	1997 04 06.97873	10 11 18.63	+27 58 46.2	17.5	958

962 Gandia

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

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

GSC

(1036)	1997 04 11.98236	12 29 01.51	−17 30 05.1	962
(1036)	1997 04 12.02507	12 28 59.37	−17 29 41.4	962
(1093)	1997 04 12.08296	14 23 20.87	+04 26 40.9	962
(1093)	1997 04 12.10692	14 23 19.53	+04 26 41.5	962
(1738)	1997 04 11.96604	12 23 53.13	+02 10 23.6	962
(1738)	1997 04 11.97163	12 23 52.85	+02 10 24.7	962
(1738)	1997 04 12.01600	12 23 50.11	+02 10 35.6	962
(3309)	1997 04 12.04046	13 48 38.53	−05 51 45.4	962
(3309)	1997 04 12.04542	13 48 37.98	−05 51 47.8	962
(3309)	1997 04 12.05035	13 48 37.35	−05 51 50.0	962
(3309)	1997 04 12.06659	13 48 35.64	−05 52 02.0	962
(3480)	1997 04 12.09318	14 19 33.08	−11 17 21.0	962
(3480)	1997 04 12.09799	14 19 32.93	−11 17 20.1	962
(3480)	1997 04 12.11863	14 19 32.14	−11 17 12.7	962
(6711)	1997 04 11.94478	12 28 28.88	−01 59 34.3	962
(6711)	1997 04 11.95000	12 28 28.68	−01 59 30.1	962
(6711)	1997 04 12.00448	12 28 26.58	−01 58 48.9	962
(6764)	1997 04 11.91478	11 38 50.66	+05 09 56.1	962
(6764)	1997 04 11.93700	11 38 49.49	+05 09 56.0	962

966 Church Stretton

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0.25-m Schmidt Cassegrain + focal reducer + CCD

GSC

1995 ST	1997 03 30.89353	08 24 45.82	+21 29 26.7	17.4 V	966
1995 ST	1997 03 30.93685	08 24 46.68	+21 29 14.4		966
1995 ST	1997 03 30.94913	08 24 46.99	+21 29 09.9		966
1995 SU	1997 03 30.93140	08 12 32.86	+19 08 48.1	17.1 V	966
1995 SU	1997 03 30.94324	08 12 33.14	+19 08 45.0		966

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C/1996 J1-A (Evans-Drinkwater)

Epoch 1996 Dec. 23.0 TT = JDT 2450440.5

				Nakano	
T	1996 Dec. 30.43320 TT			**P**	**Q**
q	1.2978621		(2000.0)		
z	−0.0008553	ω	14.84231	+0.37129390	+0.84758595
	±0.0000136	Ω	278.15133	−0.88615283	+0.20154183
e	1.0011100	i	22.51954	−0.27726161	+0.49089607

From 146 observations 1996 May 10–1997 May 18, mean residual 0″.87.

C/1996 J1-B (Evans-Drinkwater)

Epoch 1996 Dec. 23.0 TT = JDT 2450440.5

				Nakano	
T	1996 Dec. 30.41595 TT			**P**	**Q**
q	1.2975721		(2000.0)		
z	−0.0007058	ω	14.83756	+0.37154008	+0.84749397
	±0.0000097	Ω	278.17086	−0.88605142	+0.20174086
e	1.0009159	i	22.51848	−0.27725593	+0.49097310

From 146 observations 1996 May 10–1997 May 18, mean residual 0″.63.

C/1996 Q2 (SOHO)

				Marsden	
T	1996 Aug. 22.13428 TT			**P**	**Q**
q	0.0046014		(2000.0)		
		ω	47.04646	+0.18174301	−0.90255453
		Ω	321.66763	−0.98032402	−0.13520168
e	1.0	i	140.99753	+0.07703443	+0.40879803

From 15 observations 1996 Aug. 20–21.

C/1996 Q3 (SOHO)

				Marsden	
T	1996 Aug. 30.86907 TT			**P**	**Q**
q	0.0046014		(2000.0)		
		ω	49.61542	+0.21442317	−0.91860869
		Ω	326.99719	−0.97311794	−0.17167025
e	1.0	i	142.45296	+0.08404868	+0.35593173

From 10 observations 1996 Aug. 30.

C/1996 S3 (SOHO)

				Marsden	
T	1996 Sept. 23.57573 TT				
q	0.0014947		(2000.0)	**P**	**Q**
		ω	85.73007	−0.00307034	−0.99842304
		Ω	354.51614	−0.97682409	+0.01499129
e	1.0	i	144.08762	+0.21402167	+0.05409897

C/1996 Y1 (SOHO)

				Marsden	
T	1996 Dec. 23.25830 TT				
q	0.0049293		(2000.0)	**P**	**Q**
		ω	89.64511	+0.15595541	−0.98107847
		Ω	10.87970	−0.95613183	−0.17909825
e	1.0	i	142.56591	+0.24797142	−0.07354493

From 25 observations 1996 Dec. 22–23.

P/1997 B1 (Kobayashi)

Epoch 1997 Mar. 13.0 TT = JDT 2450520.5

				Nakano	
T	1997 Mar. 2.34826 TT				
q	2.0545455		(2000.0)	**P**	**Q**
n	0.03916589	ω	183.34062	−0.88554878	−0.45134778
a	8.5874469	Ω	329.06412	+0.43101701	−0.71000314
e	0.7607501	i	12.34946	+0.17328503	−0.54053744
P	25.16				

From 226 observations 1997 Jan. 30–May 4, mean residual 0″.46.

C/1997 BA$_6$ (Spacewatch)

Epoch 1999 Dec. 8.0 TT = JDT 2451520.5

				Nakano	
T	1999 Nov. 26.20035 TT				
q	3.4327561		(2000.0)	**P**	**Q**
z	−0.0001797	ω	285.92125	+0.01016813	+0.76578470
	±0.0001423	Ω	317.66316	+0.00175459	−0.64306257
e	1.0006167	i	72.69907	−0.99994676	+0.00665864

From 102 observations 1997 Jan. 11–May 4, mean residual 0″.58.

P/1997 C1 (Gehrels)

Epoch 1996 Oct. 4.0 TT = JDT 2450360.5

				Nakano	
T	1996 Jan. 29.14092 TT				
q	3.5653948		(2000.0)	**P**	**Q**
n	0.05668256	ω	211.35186	+0.22103083	−0.97460472
a	6.7117597	Ω	225.90604	+0.90482503	+0.21867441
e	0.4687839	i	2.86763	+0.36391900	+0.04824043
P	17.39				

From 140 observations 1997 Feb. 2–May 4, mean residual 0″.66.

C/1997 D1 (Mueller)

Epoch 1997 Sept. 29.0 TT = JDT 2450720.5

				Marsden	
T	1997 Oct. 11.60007 TT				
q	2.2478666		(2000.0)	**P**	**Q**
z	−0.0005128	ω	184.95184	−0.09174168	+0.78761437
	±0.0000221	Ω	279.17119	+0.93349597	+0.28103323
e	1.0011526	i	141.88875	+0.34665363	−0.54834655

From 199 observations 1997 Feb. 20–May 19, mean residual 0″.58.

P/1997 G1 (Montani)

				Marsden	
T	1997 Apr. 26.75659 TT				
q	4.2404390		(2000.0)	**P**	**Q**
n	0.04520403	ω	216.52741	−0.55775037	−0.82713795
a	7.8046114	Ω	267.47095	+0.77693031	−0.49103703
e	0.4566752	i	3.95889	+0.29205107	−0.27335954
P	21.80				

From 33 observations 1997 Apr. 9–May 19.

C/1997 G2 (Montani)

				Nakano	
T	1998 Apr. 15.87900 TT				
q	3.0844723		(2000.0)	**P**	**Q**
		ω	239.82545	−0.03744030	+0.62860486
		Ω	55.78869	−0.21126990	+0.75481705
e	1.0	i	69.94454	−0.97671042	−0.18736902

From 88 observations 1997 Apr. 12–May 17.

C/1997 H2 (SOHO)

				Marsden	
T	1997 May 2.83010 TT				
q	0.1373398		(2000.0)	**P**	**Q**
		ω	191.56554	+0.52596094	−0.81828805
		Ω	227.20796	+0.80335903	+0.56749846
e	1.0	i	18.42075	+0.27924784	−0.09137926

From 57 observations 1997 Apr. 29–May 4.

C/1997 J1 (Mueller)

				Marsden	
T	1997 May 3.23421 TT				
q	2.3035744		(2000.0)	**P**	**Q**
		ω	98.74093	−0.55229831	−0.03973628
		Ω	277.07716	−0.25230829	+0.95998408
e	1.0	i	122.95565	+0.79454837	+0.27722121

From 158 observations 1997 May 3–17.

C/1997 J2 (Meunier-Dupouy)

				Marsden	
T	1998 Mar. 9.29591 TT				
q	3.0458049		(2000.0)	**P**	**Q**
		ω	122.61423	+0.47049199	+0.71474059
		Ω	148.82885	−0.57678574	−0.19471164
e	1.0	i	91.22586	+0.66779900	−0.67173899

From 132 observations 1997 May 7–17.

103P/Hartley 2

Epoch 1997 Dec. 18.0 TT = JDT 2450800.5

				Marsden	
T	1997 Dec. 22.02418 TT				
q	1.0317245		(2000.0)	**P**	**Q**
n	0.15423751	ω	180.72400	+0.75860475	−0.63376164
a	3.4435736	Ω	219.95471	+0.59896371	+0.76967904
e	0.7003913	i	13.61908	+0.25643966	+0.07707379
P	6.39				

From 154 observations 1986–1997, mean residual 0″.79. Nongravitational parameters $A_1 = -0.41 \pm 0.08$, $A_2 = +0.0404 \pm 0.0007$.

130P/McNaught-Hughes
Epoch 1998 Mar. 8.0 TT = JDT 2450880.5

				Nakano	
T	1998 Feb. 23.76489 TT				
q	2.1162408		(2000.0)	**P**	**Q**
n	0.14726177	ω	224.36645	+0.69322766	+0.70941920
a	3.5514800	Ω	89.97241	−0.62084005	+0.67737992
e	0.4041242	i	7.30327	−0.36605060	+0.19463000
P	6.69				

From 39 observations 1991–1997, mean residual 0″.65.

Chronological listing of predicted orbital elements for comets returning to perihelion in 2000:

9P/Tempel 1
Epoch 2000 Jan. 17.0 TT = JDT 2451560.5

				Nakano	
T	2000 Jan. 2.61646 TT				
q	1.5000475		(2000.0)	**P**	**Q**
n	0.17898937	ω	178.91096	−0.37628950	+0.91063105
a	3.1183000	Ω	68.96649	−0.85142621	−0.26719906
e	0.5189534	i	10.54132	−0.36534864	−0.31520747
P	5.51				

From 469 observations 1967–1996, mean residual 0″.94. Nongravitational parameters $A_1 = +0.02 \pm 0.00$, $A_2 = +0.0018 \pm 0.0000$.

114P/Wiseman-Skiff
Epoch 2000 Jan. 17.0 TT = JDT 2451560.5

				Marsden	
T	2000 Jan. 11.76801 TT				
q	1.5694944		(2000.0)	**P**	**Q**
n	0.14805798	ω	172.82614	+0.10003340	−0.94420852
a	3.5387361	Ω	271.06937	+0.89658147	+0.22228779
e	0.5564816	i	18.29103	+0.43143363	−0.24301936
P	6.66				

From 48 observations 1986–1993, mean residual 1″.14.

P/1990 UL$_3$ (Shoemaker-Levy 2)
Epoch 2000 Feb. 26.0 TT = JDT 2451600.5

				Nakano	
T	2000 Feb. 6.53198 TT				
q	1.8686605		(2000.0)	**P**	**Q**
n	0.10508837	ω	142.02692	+0.95576060	−0.28657508
a	4.4473327	Ω	234.75325	+0.24608194	+0.90249568
e	0.5798245	i	4.65694	+0.16113772	+0.32152179
P	9.38				

From 20 observations 1990 Sept. 17–1991 Jan. 15, mean residual 0″.70.

112P/Urata-Niijima
Epoch 2000 Feb. 26.0 TT = JDT 2451600.5

				Nakano	
T	2000 Mar. 4.38478 TT				
q	1.4578625		(2000.0)	**P**	**Q**
n	0.14819511	ω	21.45672	+0.61323080	−0.75953332
a	3.5365526	Ω	31.94393	+0.65188207	+0.33153004
e	0.5877730	i	24.20483	+0.44609164	+0.55964003
P	6.65				

From 79 observations 1986–1994, mean residual 0″.87.

P/1986 W1 (Lovas 2)
Epoch 2000 Feb. 26.0 TT = JDT 2451600.5

				Nakano	
T	2000 Mar. 11.67686 TT				
q	1.4538405		(2000.0)	**P**	**Q**
n	0.14607283	ω	71.53872	+0.99603922	+0.08504729
a	3.5707252	Ω	283.57623	−0.08827099	+0.91076383
e	0.5928445	i	1.52910	−0.01068223	+0.40407451
P	6.75				

From 27 observations 1986 Dec. 2–1987 Mar. 3, mean residual 0″.93.

108P/Ciffréo
Epoch 2000 Apr. 6.0 TT = JDT 2451640.5

				Nakano	
T	2000 Apr. 18.41372 TT				
q	1.7133568		(2000.0)	**P**	**Q**
n	0.13593952	ω	358.04389	+0.61816795	−0.76453862
a	3.7460384	Ω	53.72148	+0.72422402	+0.46365378
e	0.5426217	i	13.09287	+0.30556172	+0.44777882
P	7.25				

From 90 observations 1985–1993, mean residual 0″.95.

64P/Swift-Gehrels
Epoch 2000 Apr. 6.0 TT = JDT 2451640.5

				Marsden	
T	2000 Apr. 21.86215 TT				
q	1.3388872		(2000.0)	**P**	**Q**
n	0.10737515	ω	92.40730	+0.77337566	−0.62277580
a	4.3839627	Ω	306.13871	+0.50756038	+0.72026743
e	0.6945943	i	8.43706	+0.37983226	+0.30555708
P	9.18				

From 50 observations 1973–1991, mean residual 0″.96. Nongravitational parameters $A_1 = +1.26 \pm 0.24$, $A_2 = +0.0267 \pm 0.0005$.

17P/Holmes
Epoch 2000 May 16.0 TT = JDT 2451680.5

				Marsden	
T	2000 May 11.82227 TT				
q	2.1654914		(2000.0)	**P**	**Q**
n	0.13944807	ω	23.34808	+0.97698308	+0.12323656
a	3.6829378	Ω	328.01009	−0.20680352	+0.74734601
e	0.4120206	i	19.18781	+0.05231034	+0.65290634
P	7.07				

From 69 observations 1964–1993, mean residual 0″.78. Nongravitational parameters $A_1 = +0.15 \pm 0.04$, $A_2 = +0.0300 \pm 0.0010$.

76P/West-Kohoutek-Ikemura
Epoch 2000 May 16.0 TT = JDT 2451680.5

				Marsden	
T	2000 June 1.26583 TT				
q	1.5958528		(2000.0)	**P**	**Q**
n	0.15260129	ω	0.07133	+0.10129303	−0.85723735
a	3.4681451	Ω	84.12491	+0.91251160	−0.12209899
e	0.5398541	i	30.49918	+0.39631086	+0.50023590
P	6.46				

From 211 observations 1987–1994, mean residual 0″.99.

33P/Daniel
Epoch 2000 June 25.0 TT = JDT 2451720.5

				Nakano	
T	2000 June 23.50046 TT				
q	2.1572587		(2000.0)	**P**	**Q**
n	0.12220563	ω	18.98942	+0.09977103	−0.93148740
a	4.0216897	Ω	66.58167	+0.85643812	−0.09857972
e	0.4635939	i	22.40969	+0.50651702	+0.35016176
P	8.07				

From 38 observations 1979–1993, mean residual 0″.75. Nongravitational parameters $A_1 = +0.31 \pm 0.05$, $A_2 = +0.0745 \pm 0.0010$.

P/1991 T1 (Shoemaker-Levy 5)
Epoch 2000 Aug. 4.0 TT = JDT 2451760.5

				Marsden	
T	2000 Aug. 18.50136 TT				
q	1.9885751		(2000.0)	**P**	**Q**
n	0.11343023	ω	6.24556	+0.81080743	−0.57652543
a	4.2265257	Ω	29.69032	+0.52780014	+0.64553578
e	0.5295012	i	11.77092	+0.25301843	+0.50090117
P	8.69				

From 34 observations 1991 Sept. 12–1992 Jan. 2, mean residual 0″.90.

2P/Encke
Epoch 2000 Sept. 13.0 TT = JDT 2451800.5

				Marsden	
T	2000 Sept. 9.66173 TT				
q	0.3395368		(2000.0)	**P**	**Q**
n	0.29843026	ω	186.48291	−0.94497650	−0.31525017
a	2.2177239	Ω	334.60064	+0.30855073	−0.77013418
e	0.8468985	i	11.75565	+0.10870076	−0.55453645
P	3.30				

From 197 observations 1984–1996, mean residual 0″.85. Nongravitational parameters $A_1 = -0.01 \pm 0.00$, $A_2 = -0.0016 \pm 0.0000$.

70P/Kojima
Epoch 2000 Sept. 13.0 TT = JDT 2451800.5

				Nakano	
T	2000 Sept. 14.84145 TT				
q	2.0032938		(2000.0)	**P**	**Q**
n	0.14005376	ω	1.96378	−0.51876452	−0.84902193
a	3.6723116	Ω	119.29891	+0.78279629	−0.51885408
e	0.4544870	i	6.59942	+0.34367621	−0.09976076
P	7.04				

From 115 observations 1970–1994, mean residual 0″.94.

14P/Wolf
Epoch 2000 Dec. 2.0 TT = JDT 2451880.5

				Nakano	
T	2000 Nov. 21.07388 TT				
q	2.4126312		(2000.0)	**P**	**Q**
n	0.12005656	ω	162.36355	+0.97959048	−0.06885604
a	4.0695413	Ω	204.12076	+0.07663367	+0.99647296
e	0.4071491	i	27.52266	+0.18582186	−0.04796344
P	8.21				

From 67 observations 1950–1993, mean residual 0″.82.

71P/Clark
Epoch 2000 Dec. 2.0 TT = JDT 2451880.5

				Marsden	
T	2000 Dec. 1.89302 TT				
q	1.5591319		(2000.0)	**P**	**Q**
n	0.17872639	ω	208.84235	−0.03127550	+0.98931232
a	3.1213581	Ω	59.69246	−0.88246742	+0.03957562
e	0.5004957	i	9.49515	−0.46933261	−0.14033850
P	5.51				

From 179 observations 1989–1996, mean residual 0″.77. Nongravitational parameters $A_1 = +1.25 \pm 0.11$, $A_2 = -0.6117 \pm 0.0136$.

87P/Bus
Epoch 2001 Jan. 11.0 TT = JDT 2451920.5

				Milbourn	
T	2000 Dec. 29.76432 TT				
q	2.1809216		(2000.0)	**P**	**Q**
n	0.15120231	ω	24.14699	−0.89607877	+0.44389170
a	3.4895046	Ω	182.20773	−0.41422505	−0.83757942
e	0.3750054	i	2.57417	−0.15956328	−0.31846643
P	6.52				

From 76 observations 1981–1995, mean residual 0″.80. Nongravitational parameters $A_1 = 0.00$, $A_2 = -0.3421$.

One-opposition minor planets

Planet	H	Epoch	M	ω	Ω	i	e	a	Arc	O	N	C
1988 EA_1	14.5	880229	309.09	83.32	165.33	12.53	0.2242	2.5993	6	6		W
1988 RB_1	14.5	880827	42.67	16.97	276.22	6.20	0.1309	2.2911	12	8		W
1988 RE_1	13.5	880827	310.16	212.84	195.78	14.70	0.1065	2.5930	12	14		W
1988 RM_2	14.5	880827	343.94	93.98	279.28	5.09	0.1863	2.2632	8	6		W
1988 RN_2	13.0	880827	278.62	191.37	263.68	5.95	0.1613	2.7759	8	10		W
1988 RX_2	14.0	880916	2.05	235.88	135.34	0.40	0.1112	2.6674	37	11		W
1988 TU	14.0	881006	343.02	180.07	224.27	2.97	0.2212	2.3470	30	18		W
1988 TV	14.0	881006	355.10	174.95	209.61	5.47	0.1727	2.3126	12	15		W
1988 TX	16.0	881006	16.91	136.49	207.50	4.76	0.3142	2.1905	28	14		W
1988 TY	15.0	881006	1.47	0.82	15.28	5.44	0.2486	2.4484	12	12		W
1988 TR_1	13.5	881006	1.25	180.64	195.29	13.28	0.1736	2.6226	35	18		W
1988 TV_1	14.5	881006	346.39	167.63	231.91	2.44	0.2419	2.3579	16	15		W
1988 TW_1	13.0	881006	48.87	98.14	204.71	16.63	0.2488	2.6856	16	13		W
1988 VW_5	13.0	881026	334.10	287.82	161.68	1.12	0.2782	3.1648	8	8	E	W
1991 RQ_5	14.0	910921	97.48	230.13	24.78	6.54	0.1026	2.4596	25	12		W
1991 RC_{10}	13.5	910921	346.85	30.25	350.53	10.18	0.0960	3.0515	23	9		W
1991 RA_{13}	14.0	910921	67.93	61.47	213.74	1.73	0.1632	2.7172	29	9		W
1991 RB_{13}	13.5	910921	1.36	15.76	344.35	7.68	0.2335	2.7832	30	18		W
1991 RV_{40}	13.5	910921	152.74	183.89	22.86	2.09	0.0677	2.9092	26	8		W
1991 RX_{40}	16.0	910921	338.06	239.83	153.30	2.72	0.1825	2.3121	26	8		W
1991 TQ_7	13.0	910921	94.04	263.31	1.32	18.28	0.0434	2.7882	29	7		W
1991 TL_{13}	14.5	910921	9.93	335.38	13.26	9.62	0.1399	2.6052	19	7	D	W
1992 DE_6	16.0	920228	339.81	86.73	100.70	2.35	0.1159	2.3897	7	3		W
1993 HR	12.0	930403	269.24	296.45	19.29	7.70	0.1494	2.8064	51	18		W
1993 HE_1	14.5	930403	342.13	203.17	29.03	7.46	0.2204	2.2916	51	9		W
1993 HS_1	14.0	930403	341.06	200.05	29.79	8.24	0.1142	2.2477	58	8		W
1994 PS	13.0	940905	154.52	31.26	154.51	11.20	0.1066	2.3488	48	15		W
1994 PT	13.0	940905	357.99	215.24	133.84	2.71	0.1984	3.1049	48	19		W
1994 PP_{20}	14.0	940816	3.85	193.18	138.10	3.02	0.2149	3.2242	30	14		W
1994 PD_{21}	14.5	940816	344.80	199.20	159.79	9.61	0.1676	2.7664	30	14		W
1994 PM_{21}	15.0	940905	341.78	219.32	154.94	7.48	0.2484	2.5753	50	16		W
1994 PO_{21}	14.0	940816	1.51	221.04	115.20	2.19	0.1623	3.1912	30	14		W
1994 PY_{21}	15.0	940816	61.53	118.23	142.67	3.24	0.1345	2.3752	30	14		W

1994 PD_{22}	16.5	940816	328.17	309.49	69.90	0.96	0.1725	2.1927	30	14		W
1994 PJ_{22}	12.5	940816	160.43	150.70	24.94	2.02	0.1596	3.1470	30	13		W
1994 PO_{22}	14.5	940905	12.27	339.37	346.07	6.67	0.1706	2.3780	50	16		W
1994 QR	14.5	940905	344.22	206.83	158.16	5.21	0.1666	2.5662	49	23		W
1994 RT_1	14.5	940905	347.64	201.95	167.89	20.45	0.2904	2.5621	38	16		W
1995 UC_{50}	17.5	951010	351.17	164.04	222.10	1.08	0.1804	2.2984	10	9		W
1995 WE	13.5	951119	312.84	52.33	69.04	6.87	0.1543	2.2864	34	17		W
1996 PJ_1	16.0	960825	269.06	279.15	155.56	0.33	0.0944	2.5701	40	22		W
1996 PJ_2	17.0	960805	346.13	15.08	320.72	12.12	0.1642	2.5974	61	20		W
1996 PS_8	14.7	960825	139.67	212.83	325.87	3.27	0.1085	2.5764	41	14		N
1996 RX	18.0	960914	309.85	66.98	341.46	19.04	0.1178	1.8886	31	13		W
1996 RE_{26}	17.0	960825	283.60	82.58	341.39	25.04	0.0859	1.8558	8	7		W
1996 RD_{27}		960825	312.01	65.70	345.19	19.34	0.2500	1.9776	3	5	E	W
1996 TB_{15}	15.0	960914	235.58	138.68	347.27	19.92	0.0519	1.9232	26	11		W
1997 BS_9	14.5	970201	325.96	47.20	134.33	8.29	0.1042	2.7150	41	14		W
1997 CV_5	16.0	970221	20.08	81.45	31.20	3.80	0.2035	2.5811	30	26		W
1997 CG_6	13.5	970221	342.84	146.42	55.75	8.10	0.1216	2.2180	73	19		W
1997 CM_6	16.5	970221	325.34	62.81	139.31	4.09	0.1593	2.2602	57	14		W
1997 CF_{22}	14.0	970313	190.14	173.00	158.95	5.70	0.0297	2.7910	72	25		M
1997 CK_{22}	14.5	970313	25.02	335.89	148.44	13.68	0.1145	2.6946	71	24		M
1997 CQ_{29}	**6.5**	**970221**	**3.51**	**18.37**	**132.77**	**2.92**	**0.0734**	**44.4119**	**57**	**17**	**E**	**M**
1997 EE	15.5	970313	54.85	60.39	43.39	4.02	0.0971	2.2531	59	19		W
1997 EF	13.3	970313	336.99	126.74	72.76	3.90	0.1363	2.4429	40	10		N
1997 EG	14.0	970313	24.36	132.80	7.74	7.18	0.0910	2.2697	40	10		N
1997 EJ	11.6	970313	356.02	165.61	8.43	10.04	0.0376	3.0067	40	14		N
1997 EL	11.8	970313	163.94	215.23	148.50	10.96	0.1201	3.0038	63	13		N
1997 EQ_1	17.0	970221	252.16	350.35	281.93	0.75	0.0720	2.4094	8	8		W
1997 EN_2	12.1	970313	9.87	3.49	164.92	10.31	0.1137	3.1329	37	10		N
1997 EZ_2	15.5	970313	308.83	204.21	32.11	6.89	0.0664	2.3651	37	13		N
1997 EB_6	15.0	970313	302.21	190.78	48.82	3.71	0.1270	2.3014	59	17		W
1997 EJ_6	13.0	970402	319.25	149.18	52.32	11.32	0.1442	3.1977	60	30		M
1997 ET_7	13.5	970402	283.72	287.32	348.84	21.41	0.2357	3.1563	52	31		W
1997 ED_8	16.0	970402	10.25	157.26	6.23	3.60	0.1656	2.5862	63	19		W
1997 ER_{11}	15.5	970402	322.20	225.22	4.44	1.30	0.1877	2.3449	50	35		W
1997 EB_{15}	15.5	970221	162.89	29.98	320.30	16.72	0.1809	3.1458	7	8		W
1997 EY_{16}	16.5	970221	88.31	185.44	230.20	5.61	0.1030	2.4827	7	7		W
1997 ER_{17}	15.0	970313	312.42	307.16	284.92	2.11	0.1900	2.3668	57	14		W
1997 EE_{23}	13.5	970402	86.82	0.78	99.44	7.83	0.0745	2.3911	68	30		W
1997 EJ_{25}	13.0	970221	170.60	15.67	328.17	5.48	0.0380	3.2101	4	7	E	W
1997 EY_{25}	15.6	970313	16.23	12.66	146.82	6.25	0.0929	2.2640	25	8		N
1997 EC_{26}	17.0	970402	343.62	36.46	154.93	0.40	0.2244	2.7532	58	31		M
1997 EJ_{26}	17.0	970402	288.66	269.97	354.09	6.25	0.0798	2.4061	65	13		W
1997 EM_{36}		970221	347.57	15.76	149.11	5.31	0.2408	2.4514	2	6	E	W
1997 EB_{37}		970221	311.57	193.21	11.85	4.03	0.1405	2.3074	2	6		W
1997 EQ_{38}	14.0	970201	342.88	200.40	327.85	1.49	0.2600	3.2524	41	18		W
1997 EP_{39}	14.5	970201	24.58	149.88	323.93	7.55	0.0399	2.5818	41	17		W
1997 ES_{39}	15.0	970201	31.77	129.59	319.25	5.14	0.2209	2.3431	34	13		W
1997 EP_{40}	15.5	970402	25.15	103.09	50.50	5.17	0.0801	2.3045	43	22		W
1997 ER_{40}	15.5	970402	299.54	77.62	181.63	14.32	0.0779	2.6741	62	0		W
1997 EU_{41}	16.0	970221	279.45	334.69	277.35	2.14	0.1530	2.3017	9	7		W
1997 EQ_{42}	14.0	970221	305.74	57.94	170.02	7.79	0.2032	3.2022	2	6	E	W
1997 ET_{42}	13.5	970221	67.71	93.13	328.26	15.31	0.1997	3.1307	2	6	E	W
1997 EE_{46}	16.0	970313	289.19	44.84	203.33	7.86	0.1157	2.3125	14	20		W
1997 FA	16.5	970313	332.35	37.99	176.32	0.98	0.1935	2.3105	28	25		W
1997 FB	15.5	970402	305.81	68.85	181.17	3.91	0.1583	2.1780	53	24		W
1997 FG	12.0	970402	342.58	110.34	122.93	15.07	0.1183	3.1805	39	12		W
1997 FM	13.0	970402	302.52	161.33	120.23	13.68	0.1313	2.6869	37	12		W
1997 FW	13.5	970402	107.78	1.18	62.47	11.10	0.2430	2.3872	39	12		W
1997 FZ	14.0	970402	327.11	36.71	191.52	0.53	0.1155	3.2143	35	12		W
1997 FC_1	14.0	970402	14.49	50.04	127.26	7.15	0.0923	2.3450	42	21		W
1997 FF_1	14.5	970402	321.25	201.17	36.41	3.84	0.1204	2.3436	15	9		W
1997 FG_1	14.5	970402	10.43	28.39	133.66	8.64	0.1629	2.4156	53	28		M
1997 FM_1	15.5	970402	29.07	324.99	187.55	22.35	0.0910	1.9550	38	26		W
1997 FN_1	15.0	970402	327.27	9.20	231.49	4.23	0.2312	2.3425	30	17		W
1997 FO_1	13.5	970402	77.09	323.77	131.87	4.15	0.0265	3.0305	31	15		W
1997 FQ_1	16.2	970422	325.84	292.72	315.57	3.46	0.1225	2.3408	39	17		N
1997 FW_1	12.5	970402	275.38	229.39	38.39	12.02	0.1219	2.9138	28	12		W
1997 FR_2	15.5	970402	194.73	350.24	12.94	10.75	0.2209	2.1668	6	7		W
1997 FX_2	17.5	970402	25.14	276.45	242.13	2.10	0.1679	2.2947	10	14	D	W
1997 FD_3	15.0	970402	256.35	289.40	13.85	3.25	0.0572	2.8181	38	19		W
1997 FM_3	15.5	970402	83.88	72.64	18.98	12.66	0.1473	2.6299	39	12		W
1997 FX_3	14.5	970402	263.50	94.99	226.08	2.05	0.2852	2.6419	7	12	E	W
1997 FH_4	14.5	970402	220.51	331.93	10.15	12.62	0.1138	2.4589	9	15		W
1997 FJ_4	14.6	970402	150.27	82.51	321.62	1.16	0.0133	2.8740	31	13		N
1997 FM_4	15.0	970402	77.01	258.13	202.60	12.41	0.1495	2.5360	38	16		W
1997 FR_4	15.5	970402	15.04	172.41	2.17	2.31	0.1327	2.4511	8	14		W
1997 FB_5	15.0	970402	192.96	348.71	13.65	2.32	0.1143	2.5718	39	14		W
1997 GB	15.0	970402	29.32	126.62	29.16	6.50	0.0845	2.3649	31	23		W
1997 GC	16.0	970402	354.41	207.13	7.78	4.31	0.2411	2.6329	33	16		W
1997 GD	17.0	970402	352.00	164.93	33.23	9.81	0.1627	1.7841	30	39		M
1997 GN	16.0	970402	309.36	80.49	197.11	21.32	0.2885	2.3606	23	32		W
1997 GS	16.0	970402	351.70	10.04	195.27	5.68	0.0660	2.5585	4	15		W
1997 GX	15.5	970402	26.89	353.49	172.60	1.55	0.0761	3.0001	8	20	E	W
1997 GY	16.5	970402	18.67	339.02	201.83	2.67	0.0944	2.1428	32	20		M
1997 GL_1	12.0	970402	253.53	106.88	185.39	9.85	0.0756	2.9969	21	19		M
1997 GP_1	15.0	970402	317.64	57.32	160.28	18.27	0.0630	3.0922	19	18		W
1997 GB_2	**18.0**	**970402**	**355.19**	**190.86**	**9.34**	**14.96**	**0.4202**	**2.9872**	**25**	**17**		**W**
1997 GM_2	15.5	970313	118.09	26.59	14.43	0.87	0.2721	3.1447	34	9		W
1997 GF_3	**17.5**	**970402**	**3.85**	**351.60**	**195.50**	**41.81**	**0.4109**	**3.0082**	**19**	**54**		**W**
1997 GL_3	**20.0**	**970422**	**18.20**	**260.13**	**196.65**	**6.71**	**0.7840**	**2.2827**	**29**	**0**		**W**
1997 GT_3	13.5	970313	263.65	282.46	17.56	9.92	0.0966	3.0665	34	15		W
1997 GU_3	14.4	970402	342.98	177.65	37.61	5.30	0.0401	2.7849	8	8		N
1997 GV_3	14.0	970402	204.13	337.76	22.78	16.00	0.2029	2.4103	8	10	E	N
1997 GW_3	16.2	970402	325.03	63.39	185.71	2.97	0.2107	2.3057	12	11		N
1997 GX_3	16.9	970402	10.34	145.90	32.75	2.85	0.2532	2.4399	8	8	E	N
1997 GZ_3	14.0	970422	312.00	266.95	356.35	23.73	0.3598	3.3776	26	17		M
1997 GA_4	17.0	970402	341.74	196.54	26.39	3.70	0.1832	2.4581	5	11		M
1997 GC_4	15.5	970402	304.25	242.98	20.11	5.49	0.1868	2.2657	23	10		W
1997 GH_5	14.5	970402	288.14	75.05	189.38	8.29	0.0636	3.0464	7	9	E	W
1997 GL_5	17.5	970402	316.08	246.70	5.37	4.41	0.2267	3.0151	7	9		W
1997 GO_5	17.5	970313	155.38	11.59	6.70	8.95	0.2306	2.2325	25	8		W
1997 GU_5	16.5	970402	356.91	177.96	35.31	2.48	0.1500	2.3372	29	14		W
1997 GV_5	15.5	970402	347.59	192.55	35.51	9.23	0.1462	2.7292	29	14		W
1997 GJ_6	16.5	970402	303.03	221.66	64.70	2.71	0.1800	2.3116	29	13		W
1997 GL_6	15.5	970402	163.28	215.13	190.49	3.28	0.1369	2.2743	29	16		W
1997 GM_6	15.0	970402	294.58	89.95	208.33	10.56	0.1802	2.6833	29	14		W
1997 GN_6	15.5	970402	165.62	194.07	212.29	6.80	0.0480	2.5646	29	14		W
1997 GP_6	15.5	970402	20.75	152.70	34.55	4.85	0.0726	2.4137	29	14		W
1997 GU_6	15.0	970402	291.16	270.04	23.75	8.08	0.1103	2.4407	29	18	D	W
1997 GW_6	14.5	970402	241.24	128.77	218.31	16.95	0.1431	2.7511	36	28		W
1997 GY_6	15.5	970402	270.77	273.45	34.89	14.30	0.0433	2.7188	29	14		W
1997 GA_7	16.5	970402	248.50	282.33	51.60	3.13	0.1013	2.3171	6	6	E	W
1997 GB_7	15.0	970402	358.97	165.79	47.29	3.30	0.0120	2.3762	29	23		W
1997 GD_7	14.5	970402	345.69	155.85	75.69	2.00	0.0809	3.1971	36	28		W
1997 GE_7	15.0	970402	242.58	138.61	206.79	12.26	0.1459	2.6834	29	15		W
1997 GG_7	16.0	970402	238.42	169.76	181.48	4.36	0.1975	2.3150	31	12		W

1997 GH_{7}	15.5	970402	62.27	62.15	83.87	3.23	0.0440	2.6799	29	13		W
1997 GM_{7}	14.0	970402	102.34	46.86	45.07	17.57	0.1732	2.6249	6	6	E	W
1997 GN_{7}	16.0	970402	348.94	177.91	46.57	12.78	0.0957	2.6609	29	13		W
1997 GP_{7}	15.5	970402	54.21	47.47	94.81	3.95	0.1667	3.0440	6	6		W
1997 GR_{7}	15.0	970402	38.11	120.31	39.49	27.80	0.1802	3.1919	29	13		W
1997 GV_{7}	15.5	970402	220.72	314.41	48.09	8.50	0.1564	2.3012	29	15		W
1997 GW_{7}	15.5	970402	95.94	30.22	70.50	3.40	0.1471	2.4390	29	15		W
1997 GA_{8}	16.5	970402	314.82	238.49	39.16	11.07	0.2136	2.6280	29	14		W
1997 GC_{8}	16.0	970402	190.67	349.52	34.96	8.30	0.1017	2.2632	6	6		W
1997 GF_{8}	16.5	970402	357.91	185.96	27.29	5.50	0.1225	2.3083	29	23		W
1997 GG_{8}	16.0	970402	95.31	251.77	218.68	5.78	0.0672	2.4050	29	16		W
1997 GH_{8}	15.5	970402	324.30	28.17	223.87	4.02	0.0608	2.3457	29	14		W
1997 GJ_{8}	13.5	970402	108.36	235.93	222.86	10.18	0.0947	3.0703	33	19		W
1997 GK_{8}	14.5	970402	6.73	212.02	355.27	1.40	0.1041	3.1073	33	21		W
1997 GM_{8}	15.5	970402	215.95	145.44	222.75	5.88	0.1523	2.4430	33	18		W
1997 GQ_{8}	14.5	970402	208.50	162.49	186.95	9.05	0.0966	2.7964	4	6	E	W
1997 GC_{9}	15.0	970402	170.55	18.34	1.77	8.80	0.2674	2.6241	7	7	E	W
1997 GE_{9}	16.5	970402	248.90	34.86	291.50	1.94	0.2204	2.3648	7	7		W
1997 GF_{9}	15.5	970402	56.56	283.33	203.35	13.35	0.1035	2.6222	35	18		W
1997 GW_{9}	16.0	970402	42.03	316.63	192.39	1.79	0.0352	2.7624	36	15		W
1997 GZ_{9}	16.5	970402	70.50	81.77	21.24	5.49	0.1749	2.4115	35	10		W
1997 GR_{10}	16.0	970402	349.34	182.21	22.90	9.11	0.0308	2.9973	36	13		W
1997 GU_{10}	17.0	970402	64.01	272.68	193.81	3.27	0.2080	2.5537	36	13		W
1997 GV_{10}	16.5	970402	63.87	281.43	190.69	1.99	0.1626	2.4669	36	13		W
1997 GY_{10}	16.5	970402	298.63	277.28	6.87	3.78	0.2515	2.4197	3	6	E	W
1997 GQ_{11}	16.0	970402	130.33	54.41	0.26	7.49	0.1308	2.2842	4	6	E	W
1997 GU_{12}	16.5	970402	32.30	124.48	24.52	5.76	0.1753	2.5427	32	9		W
1997 GF_{13}	16.0	970402	14.50	126.23	50.78	0.34	0.1062	2.9943	32	7		W
1997 GJ_{13}	15.5	970402	235.46	133.26	206.19	2.39	0.2508	2.3121	32	9		W
1997 GF_{14}	16.0	970402	67.28	192.57	281.96	1.88	0.1248	2.4075	3	6	E	W
1997 GG_{15}	16.0	970402	70.89	107.34	358.16	2.32	0.1677	2.4631	4	6	E	W
1997 GV_{16}	14.5	970402	238.08	129.77	194.29	9.30	0.0652	2.9906	7	13	E	W
1997 GX_{16}	15.5	970313	352.49	187.87	11.83	12.16	0.1307	2.6629	26	14		W
1997 GZ_{16}	15.5	970313	205.28	146.96	205.83	7.21	0.1607	2.1661	26	14		W
1997 GA_{17}	16.5	970313	193.12	12.52	347.51	1.96	0.0878	2.2459	26	15		W
1997 GD_{17}	15.5	970313	101.94	153.76	276.63	1.73	0.1874	2.4286	26	15		W
1997 GK_{17}	16.0	970313	87.42	121.77	330.36	2.22	0.0968	2.1806	24	13		W
1997 GL_{17}	15.5	970313	359.36	218.35	331.50	2.02	0.1457	2.4215	26	12		W
1997 GM_{17}	15.5	970313	12.10	303.16	226.04	2.49	0.2271	2.6228	30	12		W
1997 GW_{17}	18.0	970402	25.82	322.45	191.39	4.37	0.2325	2.4145	4	7	E	W
1997 GX_{17}	17.5	970402	39.79	32.48	102.38	0.35	0.2260	2.4075	7	8		W
1997 GR_{18}	17.0	970402	337.55	203.08	21.82	10.88	0.1360	2.5124	8	13	E	W
1997 GS_{18}	15.0	970402	268.56	298.09	18.81	16.63	0.2661	2.8457	8	12	E	W
1997 GT_{18}	15.0	970313	170.08	202.29	176.92	1.81	0.1348	2.2167	30	19		W
1997 GN_{19}	14.5	970422	181.10	177.53	198.36	22.49	0.1221	3.2160	33	10		W
1997 GN_{20}	17.0	970422	60.79	97.76	32.09	4.53	0.0903	2.2927	34	15		W
1997 GO_{20}	16.5	970422	347.46	182.47	31.06	5.23	0.0621	2.6440	34	12		W
1997 GT_{20}	16.0	970402	350.95	203.98	4.52	10.42	0.1954	2.4334	4	6		W
1997 GX_{20}	16.5	970402	183.82	156.05	215.43	3.18	0.0961	2.1639	4	6	E	W
1997 GC_{21}	16.5	970402	36.84	143.28	5.25	4.75	0.1151	2.7202	2	6		W
1997 GH_{21}	15.0	970402	297.73	246.24	42.56	9.74	0.1156	3.0433	33	21		W
1997 GJ_{21}	16.5	970402	1.41	0.75	209.64	15.31	0.1370	2.8018	5	6		W
1997 GK_{21}	17.0	970402	324.12	65.77	192.96	2.54	0.1704	2.2474	25	16		W
1997 GL_{21}	14.0	970402	117.11	96.52	358.98	1.49	0.0256	2.9456	25	13		W
1997 GM_{21}	15.5	970402	310.24	287.06	356.40	1.09	0.2023	2.7472	33	21		W
1997 GN_{21}	16.0	970402	350.84	199.82	22.63	4.75	0.1587	2.3311	25	14		W
1997 GP_{21}	16.5	970402	21.30	325.78	219.18	9.81	0.0961	2.2941	25	14		W
1997 GQ_{21}	14.5	970402	29.84	331.73	208.39	4.73	0.0811	3.1845	29	18		W
1997 GR_{21}	15.0	970402	304.14	76.66	210.05	11.89	0.1695	2.6739	33	23		W
1997 GS_{21}	15.0	970402	249.89	292.66	44.05	8.01	0.1304	2.4732	33	25		W
1997 GV_{21}	15.0	970402	108.97	37.80	58.89	7.45	0.0597	2.3116	29	19		W
1997 GX_{21}	13.5	970402	213.23	266.70	99.34	3.65	0.0691	2.8970	25	14		W
1997 GY_{21}	15.0	970402	313.26	80.71	204.66	14.32	0.2529	2.7709	5	6		W
1997 GC_{22}	15.0	970402	191.61	222.73	163.42	2.03	0.0925	2.8482	25	13		W
1997 GD_{22}	16.0	970422	27.76	128.96	53.99	3.24	0.1155	2.4077	32	29		W
1997 GE_{22}	16.0	970402	317.68	236.88	36.60	6.21	0.2203	2.3498	29	19		W
1997 GF_{22}	18.0	970402	319.89	253.38	32.13	3.22	0.3688	2.1060	29	14		W
1997 GG_{22}	16.0	970422	330.04	41.04	213.54	6.34	0.1045	2.2828	32	32		W
1997 GH_{22}	15.0	970402	271.21	298.18	34.11	8.20	0.2700	2.3172	25	16		W
1997 GJ_{22}	16.0	970402	351.13	3.46	219.74	4.96	0.0774	2.5234	29	18		W
1997 GL_{22}	14.0	970402	262.93	313.14	25.82	3.37	0.2300	3.0960	29	18		W
1997 GN_{22}	14.5	970402	45.91	231.05	297.18	0.75	0.0226	2.9365	33	21		W
1997 GO_{22}	16.0	970402	342.03	11.96	223.41	2.00	0.1371	2.4268	29	21		W
1997 GQ_{22}	13.5	970402	241.04	131.77	218.35	12.92	0.1465	3.2066	29	18		W
1997 GS_{22}	14.5	970402	198.80	329.06	47.95	3.91	0.0120	2.7694	25	14		W
1997 GT_{22}	14.0	970402	298.26	244.34	41.09	10.83	0.0753	2.9852	25	16		W
1997 GV_{22}	13.5	970402	241.09	137.15	213.72	32.86	0.1718	2.8029	7	7		W
1997 GW_{22}	15.0	970402	104.36	22.61	76.44	3.02	0.0997	2.5182	29	14		W
1997 GZ_{22}	15.0	970402	114.42	262.96	193.03	5.57	0.0487	2.7884	24	8		W
1997 GA_{23}	16.5	970402	289.50	124.69	181.23	3.70	0.2070	2.2760	25	14		W
1997 GE_{23}	17.0	970402	6.64	125.23	74.25	3.60	0.1861	2.3432	24	11		W
1997 GF_{23}	14.0	970402	108.94	53.57	44.56	22.95	0.0906	3.2213	29	16		W
1997 GG_{23}	15.5	970422	139.66	20.16	50.39	8.14	0.1229	2.2380	32	24		W
1997 GJ_{23}	15.0	970402	286.20	265.72	42.41	13.18	0.1770	2.6080	29	21		W
1997 GN_{23}	15.0	970402	51.06	125.02	23.65	6.61	0.1454	2.5262	29	19		W
1997 GO_{23}	13.0	970402	322.17	238.07	24.13	5.76	0.0910	3.3325	25	14		W
1997 GP_{23}	15.0	970402	294.38	279.48	17.50	5.25	0.1458	2.7684	29	19		W
1997 GQ_{23}	14.0	970402	279.03	333.30	329.90	2.03	0.0635	2.7595	29	19		W
1997 GX_{23}	15.0	970402	278.39	259.77	60.53	9.52	0.2156	2.4510	25	18		W
1997 GZ_{23}	13.5	970402	246.68	296.90	41.89	10.62	0.0600	3.1400	5	6	E	W
1997 GG_{24}	16.0	970402	295.52	263.97	44.06	12.47	0.2796	2.3506	29	19		W
1997 GM_{24}	15.5	970402	140.91	354.22	68.94	5.63	0.1677	2.3140	29	14		W
1997 GN_{24}	15.0	970402	144.36	22.82	41.00	16.32	0.0918	2.6481	2	6	E	W
1997 GO_{24}	11.0	970402	275.40	99.47	225.96	15.24	0.1744	5.1583	24	14		W
1997 GQ_{24}	16.0	970422	22.30	131.69	58.70	2.69	0.1178	2.4142	30	16		W
1997 GR_{24}	14.0	970422	283.98	126.65	195.29	12.18	0.1922	2.6913	28	16		N
1997 GX_{24}	12.7	970402	273.69	186.89	117.36	2.84	0.1168	3.1261	6	6		N
1997 GQ_{25}	18.5	970402	9.94	141.57	45.73	33.38	0.3691	2.5734	8	15		M
1997 GX_{25}	16.5	970422	35.84	122.83	31.00	25.25	0.2142	2.2631	29	18		W
1997 GA_{26}	15.0	970422	333.81	191.54	51.73	7.20	0.1544	2.2358	35	39		N
1997 GB_{26}	14.5	970422	60.32	104.23	41.60	15.44	0.0851	2.5072	5	7	E	N
1997 GQ_{26}	15.0	970402	116.12	231.12	183.85	7.20	0.1564	2.7992	9	9		W
1997 GP_{27}	16.5	970402	296.41	338.76	287.32	1.94	0.1543	2.3189	8	9		W
1997 GQ_{27}	12.0	970402	191.34	270.05	113.12	14.13	0.1891	2.5918	25	12		W
1997 GX_{27}	17.5	970422	355.80	162.66	38.76	29.25	0.3512	2.2903	27	28		W
1997 GH_{28}	**18.0**	**970422**	**45.97**	**105.17**	**354.64**	**7.02**	**0.3720**	**2.0048**	**19**	**16**		**W**
1997 GL_{28}	14.5	970422	35.00	312.13	215.64	15.44	0.1696	3.2463	19	9		M
1997 GO_{28}	15.5	970422	325.01	180.46	84.11	3.41	0.1847	2.4055	31	11		W
1997 GP_{28}	15.0	970402	22.72	53.55	130.21	12.63	0.0649	3.2165	20	12		W
1997 GW_{29}	12.5	970402	151.60	256.23	142.50	11.30	0.1236	2.9774	28	12		W
1997 GB_{30}	13.5	970422	331.33	157.77	78.20	9.11	0.1149	2.7624	26	12		W
1997 GC_{30}	15.5	970422	307.97	199.56	78.17	8.32	0.2277	2.3188	26	12		W
1997 GF_{30}	16.0	970313	332.12	51.60	165.73	0.29	0.1460	3.0724	34	11		W
1997 GW_{30}	13.5	970313	302.03	49.69	200.71	0.47	0.1077	3.2025	42	13		W
1997 GD_{31}	16.0	970313	12.84	12.09	154.14	1.58	0.1238	3.1278	32	9		W
1997 GW_{31}	15.5	970402	120.45	230.29	188.56	16.45	0.0725	2.7752	7	9		W

1997 GZ_{31}	13.5	970422	345.39	145.41	94.27	11.01	0.2799	3.0424	28	23	W
1997 GA_{32}	14.0	970422	123.80	299.05	148.80	8.39	0.2151	2.5273	18	11	W
1997 GE_{32}	13.5	970422	273.01	287.08	19.27	8.22	0.1045	3.0580	27	25	W
1997 GH_{32}	16.5	970402	14.33	329.17	201.90	0.48	0.2594	3.1924	8	7 E	W
1997 GR_{32}	17.0	970313	17.08	137.00	28.36	2.77	0.1541	2.4259	30	10	W
1997 GS_{32}	16.5	970402	219.79	141.81	197.50	4.98	0.0413	2.1998	8	7 E	W
1997 GV_{32}	16.0	970402	251.09	305.35	10.80	10.45	0.0976	2.5305	8	7	W
1997 GW_{32}	14.5	970313	250.93	335.63	335.98	1.75	0.0933	2.6189	30	10	W
1997 GC_{33}	15.5	970313	97.91	94.02	346.42	2.73	0.1251	2.2676	30	12	W
1997 GK_{33}	13.5	970313	138.59	209.70	199.71	8.03	0.0897	3.0278	30	10	W
1997 GM_{33}	14.5	970313	252.78	113.65	197.56	13.24	0.1095	2.5984	30	10	W
1997 GN_{33}	17.5	970402	283.07	251.86	30.05	1.10	0.0768	2.2195	8	9 E	W
1997 GQ_{33}	15.5	970402	238.05	294.01	42.31	1.80	0.2039	2.9473	8	7	W
1997 GR_{33}	14.0	970313	118.92	24.25	36.84	1.92	0.1553	2.9997	30	10	W
1997 GF_{34}	15.0	970402	139.47	347.44	60.28	3.57	0.1466	2.7983	8	7	W
1997 GL_{34}	14.5	970402	18.46	127.12	45.22	2.97	0.1229	2.4144	27	23	W
1997 GO_{34}	16.5	970402	263.47	190.95	125.82	1.22	0.2203	2.2995	8	7	W
1997 GQ_{34}	16.0	970402	0.55	174.44	21.67	7.82	0.0944	2.7676	9	9	W
1997 GT_{34}	14.5	970313	338.38	129.44	90.32	0.90	0.1156	3.0438	30	10	W
1997 GW_{34}	14.5	970313	107.97	237.25	195.43	7.97	0.1261	2.7428	30	10	W
1997 GN_{35}	14.5	970402	265.60	212.47	100.87	3.27	0.0220	2.8721	25	13	W
1997 GP_{35}	14.0	970402	76.20	282.90	203.22	4.97	0.1319	3.0908	25	14	W
1997 GX_{35}	15.0	970402	254.84	151.36	180.57	4.94	0.1131	2.3638	25	14	W
1997 GB_{36}	15.5	970402	71.37	56.00	66.97	6.97	0.1627	2.2529	25	14	W
1997 GM_{36}	16.0	970402	19.85	322.63	223.80	3.30	0.1545	2.4265	28	10	M
1997 GP_{36}	14.5	970402	22.95	322.39	216.14	12.22	0.2131	2.6463	28	10	M
1997 GV_{36}	15.0	970402	350.75	57.59	153.62	1.33	0.1786	3.1504	12	13	W
1997 GA_{37}	16.0	970313	136.80	199.97	207.18	5.52	0.1049	2.2265	23	11	W
1997 GV_{37}	17.0	970313	351.78	171.98	28.64	2.54	0.1658	2.3568	30	11	W
1997 GC_{38}	15.5	970402	186.41	201.60	186.91	5.58	0.0460	2.2641	24	9	W
1997 GD_{38}	15.5	970402	229.24	298.74	58.10	8.07	0.1456	2.2952	24	10	W
1997 HE	15.0	970422	209.71	149.88	201.59	7.38	0.1170	2.7945	12	12	W
1997 HH	16.0	970422	280.57	272.48	43.19	1.21	0.1968	3.1988	10	9 E	W
1997 HM	16.0	970422	346.71	18.25	210.07	2.29	0.0396	2.5585	10	9 E	W
1997 HN	16.5	970422	319.51	233.19	44.80	2.61	0.2500	3.0196	10	8	W
1997 HP	15.0	970422	254.08	283.25	44.18	2.14	0.0680	2.9790	10	8 E	W
1997 HQ	15.0	970422	312.06	54.93	209.96	4.48	0.0327	2.4448	10	9 E	W
1997 HR	16.5	970422	302.00	239.57	42.20	4.19	0.0932	2.5467	10	9	W
1997 HT	15.0	970422	124.41	253.55	193.46	1.63	0.0342	2.8043	10	9 E	W
1997 HU	18.0	970422	318.23	62.12	208.94	3.32	0.1699	2.2342	10	9	W
1997 HV	18.0	970422	9.80	154.78	46.77	2.33	0.1253	2.4369	10	8	W
1997 HW	17.0	970422	250.85	295.98	43.90	3.14	0.1611	2.1665	10	9	W
1997 HX	15.0	970422	60.46	62.79	79.46	0.82	0.1146	3.2230	10	9	W
1997 HY	14.5	970422	44.26	308.65	206.00	3.95	0.1686	2.6198	10	9 E	W
1997 HA_1	15.5	970422	45.54	97.93	51.59	16.19	0.1391	2.6307	16	21	M
1997 HM_1	18.0	970422	359.84	293.88	263.98	0.74	0.1063	2.4333	5	9 E	W
1997 HP_1	15.5	970422	112.38	237.40	198.47	11.79	0.0612	3.1279	8	12	W
1997 HS_1	15.0	970422	127.51	203.77	203.22	1.03	0.2966	2.5494	5	9 E	W
1997 HU_1	16.5	970402	214.60	122.94	223.16	0.37	0.1272	2.5394	36	11	W
1997 HV_1	16.5	970422	280.21	265.34	20.40	14.94	0.0665	2.6120	7	9	W
1997 HE_2	14.5	970422	359.90	163.86	50.16	3.31	0.1341	3.0936	9	9	W
1997 HG_2	15.5	970422	114.86	255.57	206.44	9.59	0.1267	3.0961	3	9	W
1997 HH_2	17.0	970422	302.73	175.70	131.84	3.02	0.2215	2.3964	6	9	W
1997 HJ_2	16.0	970422	339.03	157.53	95.14	4.65	0.1011	2.7075	10	12	W
1997 HK_2	18.0	970422	321.37	217.47	67.84	9.91	0.2279	2.6239	6	9	W
1997 HL_2	17.0	970422	6.43	81.01	136.76	3.22	0.1373	2.4529	10	9	W
1997 HP_2	15.0	970422	320.25	98.38	175.78	1.22	0.1125	2.5541	10	11	M
1997 HQ_2	15.5	970422	299.60	180.79	139.52	10.78	0.2712	2.3313	10	9	W
1997 HT_2	15.5	970422	357.11	337.60	234.67	2.20	0.1322	2.3608	14	16	W
1997 HY_2	18.0	970422	331.83	29.77	202.55	5.72	0.0857	2.3043	8	9	W
1997 HB_3	17.5	970422	320.46	39.40	213.39	0.74	0.1671	2.4821	9	9	W
1997 HH_3	16.5	970422	77.27	88.54	45.53	21.39	0.0547	1.9467	7	12	W
1997 HR_3	17.0	970422	120.57	337.38	114.68	3.84	0.1752	2.3047	6	8	W
1997 HV_3	13.0	970422	282.07	110.13	217.30	15.98	0.1466	5.2539	9	9	W
1997 HT_5	14.0	970402	24.46	317.19	181.73	16.01	0.1482	3.1503	22	13	W
1997 HE_7	17.0	970422	342.16	24.53	217.75	8.21	0.1744	2.4722	5	13 E	W
1997 HK_7	14.0	970422	212.45	154.93	221.91	16.09	0.2093	3.0062	5	14 E	W
1997 HO_7	13.0	970422	34.46	171.40	2.34	3.52	0.1447	3.9877	5	15 E	W
1997 HQ_7	17.5	970422	313.11	269.38	14.78	3.79	0.1979	2.2712	5	13 E	W
1997 HX_7	15.0	970422	307.64	57.30	224.15	11.54	0.1112	2.5259	5	15 E	W
1997 HD_8	15.0	970422	347.44	188.34	46.03	5.10	0.1258	3.2033	8	18	W
1997 HE_8	14.5	970422	253.14	187.15	161.51	1.43	0.2384	3.1901	5	13 E	W
1997 HJ_8	15.5	970422	234.64	186.92	172.93	1.94	0.2063	2.4124	5	13 E	W
1997 HK_8	15.5	970422	232.47	186.19	176.03	2.80	0.2180	2.4020	5	13 E	W
1997 HN_8	15.5	970422	72.89	83.31	52.42	10.11	0.0791	2.5564	5	14 E	W
1997 HP_8	16.0	970422	334.49	71.27	177.17	2.59	0.0982	2.6553	5	15 E	W
1997 HQ_8	15.0	970422	162.67	355.94	53.98	5.98	0.2201	2.5763	5	15 E	W
1997 HV_8	15.5	970422	9.71	134.49	69.72	1.44	0.1696	3.0559	5	14 E	W
1997 HB_9	16.5	970422	0.31	185.14	31.70	4.53	0.2695	2.6579	7	13	W
1997 HD_9	15.5	970422	310.91	16.69	266.86	1.76	0.1624	2.5575	29	20	W
1997 HE_9	15.0	970422	102.91	98.67	8.76	3.55	0.0855	3.0577	5	13 E	W
1997 HF_9	16.0	970422	348.79	356.34	235.75	6.29	0.0974	2.5935	5	15	W
1997 HL_9	16.5	970422	308.16	8.59	278.96	1.60	0.1709	2.2955	5	15	W
1997 HM_9	16.0	970422	329.25	232.33	32.33	4.01	0.2126	2.5843	31	20	W
1997 HN_9	17.0	970422	24.44	320.12	224.40	7.82	0.1559	2.4211	5	15 E	W
1997 HS_9	17.5	970422	318.05	228.17	47.43	7.00	0.1785	2.3328	5	12 E	W
1997 HT_9	15.5	970402	141.31	213.48	212.54	7.25	0.0918	2.2486	25	12	W
1997 HX_9	15.5	970422	248.84	298.12	49.02	10.23	0.1795	2.3805	5	15 E	W
1997 HY_9	15.0	970422	238.13	298.33	52.26	8.29	0.1177	2.4434	27	17	W
1997 HZ_9	15.5	970422	336.36	106.79	140.18	2.50	0.0984	3.2175	5	14 E	W
1997 HA_{10}	15.0	970422	238.50	283.27	77.14	4.36	0.2402	2.6708	5	14 E	W
1997 HC_{10}	15.5	970422	139.09	0.91	67.68	4.56	0.1773	2.6303	5	12 E	W
1997 HE_{10}	15.0	970402	29.83	21.41	158.28	2.02	0.0826	3.0731	25	12	W
1997 HJ_{10}	15.5	970422	148.98	9.79	51.57	6.39	0.1775	2.2760	5	15 E	W
1997 HN_{10}	16.0	970422	77.22	90.35	43.33	6.43	0.0684	2.3362	5	14 E	W
1997 HO_{10}	17.0	970422	336.49	33.06	217.40	5.08	0.1553	2.5203	5	15 E	W
1997 HR_{10}	15.5	970422	14.27	349.41	214.78	1.13	0.0394	2.9031	27	16	W
1997 HS_{10}	15.5	970422	87.71	260.74	222.98	13.39	0.0697	2.7022	5	14 E	W
1997 HT_{10}	16.5	970422	269.16	83.14	229.57	1.91	0.0273	2.2621	5	15 E	W
1997 HY_{10}	15.5	970422	60.51	93.90	36.16	9.32	0.2563	2.6061	5	15 E	W
1997 HZ_{10}	16.0	970422	286.62	292.65	23.30	3.11	0.2035	2.2662	5	15	W
1997 HC_{11}	15.0	970422	211.61	354.58	21.71	6.14	0.1402	2.7053	5	15 E	W
1997 HJ_{11}	15.0	970422	291.37	69.88	250.87	3.37	0.2818	2.3426	5	14 E	W
1997 HM_{11}	15.0	970422	331.77	273.67	340.55	2.09	0.0997	2.6153	5	14	W
1997 HO_{11}	14.0	970422	107.60	72.25	24.44	4.96	0.1671	3.2044	5	15 E	W
1997 HQ_{11}	14.5	970422	255.80	94.81	236.79	6.00	0.0593	3.1771	5	14 E	W
1997 HS_{11}	16.0	970422	297.88	264.71	36.95	11.83	0.1779	2.5353	5	14 E	W
1997 HV_{11}	15.0	970402	156.86	18.40	35.90	6.80	0.1062	2.3046	29	17	W
1997 HW_{11}	16.5	970422	306.84	265.47	35.27	2.21	0.2619	2.5150	5	14 E	W
1997 HX_{11}	14.5	970402	110.55	62.68	39.69	9.98	0.0352	2.9691	29	16	W
1997 HZ_{11}	15.5	970422	307.75	50.18	240.20	0.44	0.1847	2.5215	5	15 E	W
1997 HD_{12}	15.0	970422	298.71	153.48	146.57	1.57	0.1746	3.1927	5	14 E	W
1997 HE_{12}	15.5	970422	336.95	199.73	46.61	13.92	0.0945	2.6288	29	20	W
1997 HG_{12}	17.0	970422	310.82	78.29	205.70	6.25	0.1684	2.3168	5	15 E	W
1997 HM_{12}	15.0	970422	275.50	120.48	212.51	18.40	0.2556	2.8269	5	12 E	W
1997 HS_{12}	15.0	970422	23.28	312.32	236.32	1.15	0.1434	2.6946	27	17	W

1997 HE_{13}	15.5	970402	16.71	134.02	54.35	0.25	0.2168	3.1297	25	13	W
1997 HS_{14}	17.0	970422	111.70	251.62	190.85	1.10	0.2144	2.4179	10	8	W
1997 HC_{17}	16.5	970422	334.30	88.39	175.38	3.94	0.1868	2.5474	10	8	W
1997 JA	13.5	970422	54.85	68.63	85.56	2.29	0.1013	3.1378	27	26	W
1997 JC	**19.0**	**970422**	**294.06**	**272.16**	**44.65**	**14.97**	**0.2953**	**1.7357**	**4**	**40**	**W**
1997 JD	14.0	970422	72.16	240.94	227.26	8.69	0.0847	3.0655	23	13	W
1997 JE	15.5	970422	338.68	28.51	171.16	2.11	0.1213	2.3774	6	16	M
1997 JJ	16.5	970422	122.60	334.84	107.79	7.47	0.1336	2.4192	8	9	W
1997 JO	14.5	970422	334.50	236.69	355.67	9.35	0.1792	2.3231	8	11	W
1997 JP	12.5	970422	321.27	131.90	133.79	10.77	0.1664	3.1809	6	7	W
1997 JQ	15.5	970422	307.28	201.73	80.78	7.83	0.2077	2.7043	9	6	W
1997 JR	14.5	970422	254.41	279.16	59.38	13.49	0.2572	2.4241	9	6	W
1997 JS	15.0	970422	117.69	354.21	75.91	8.81	0.2170	2.4036	9	7	W
1997 JT	16.5	970422	59.52	19.03	111.88	5.65	0.1627	2.3220	9	7	W
1997 JU	15.5	970422	340.84	52.81	182.81	12.51	0.1736	2.7999	9	7	E W
1997 JV	15.5	970422	87.60	41.43	63.85	11.25	0.1241	2.5968	9	6	W
1997 JX	14.0	970422	56.03	71.03	75.14	9.87	0.0469	3.1749	9	5	W
1997 JZ	15.0	970422	286.03	87.23	218.13	15.60	0.1125	2.4337	8	25	W
1997 JC_1	15.5	970422	5.82	145.61	54.56	13.78	0.1268	2.3851	9	8	W
1997 JD_1	16.5	970422	303.30	110.52	188.41	14.42	0.2925	2.4474	9	6	E W
1997 JJ_2	16.5	970422	176.14	314.83	84.53	3.57	0.2575	2.3534	3	10	E W
1997 JQ_2	19.0	970422	306.67	131.54	157.16	6.29	0.1901	2.2594	11	8	W
1997 JZ_2		970422	247.07	52.82	258.39	2.37	0.1161	2.6933	4	17	E W
1997 JQ_3		970422	60.71	267.24	200.95	11.51	0.1631	2.8895	3	18	W
1997 JS_3		970422	155.63	32.89	352.73	9.85	0.0851	3.1228	3	16	E W
1997 JU_3	14.5	970422	265.41	269.26	55.33	14.19	0.0193	2.9093	5	7	E M
1997 JA_4	14.5	970422	280.33	222.78	95.19	2.46	0.1745	3.2229	27	12	W
1997 JH_4	17.5	970422	322.93	210.29	52.93	5.70	0.1121	2.2380	4	13	W
1997 JX_4		970422	172.44	20.87	351.28	6.23	0.2496	2.2254	3	15	E W
1997 JY_4	15.5	970512	313.23	234.65	52.08	9.80	0.1065	2.4357	10	10	N
1997 JL_5	17.0	970422	1.55	37.97	174.52	5.96	0.2328	2.3834	9	9	W
1997 JK_7	17.0	970422	133.12	221.76	216.67	11.72	0.0448	2.4679	8	9	W
1997 JS_7	13.0	970422	6.86	35.05	170.87	12.91	0.1222	2.6516	13	11	W
1997 JU_7	13.5	970422	180.22	209.67	202.31	14.44	0.1786	2.3847	15	13	W
1997 JV_7	14.5	970422	79.18	330.31	169.61	6.68	0.0897	2.2980	15	10	W
1997 JZ_7	13.0	970512	337.73	59.43	207.27	12.90	0.1667	2.6899	10	13	W
1997 JB_8	16.0	970422	294.25	101.17	218.83	5.46	0.2474	2.2777	3	8	M
1997 JE_8	14.0	970422	275.75	282.31	58.31	7.92	0.2484	2.7637	3	7	E M
1997 JF_8	17.0	970422	295.48	173.66	133.11	4.98	0.2363	2.2734	13	9	W
1997 JT_9	17.5	970512	276.52	165.71	161.94	5.88	0.2018	2.1604	5	9	E W
1997 JB_{10}	15.5	970422	47.27	53.08	115.48	2.96	0.0831	2.2767	8	9	W
1997 JC_{10}	15.5	970422	63.23	293.24	189.29	4.97	0.1812	2.5366	4	9	E W
1997 JE_{10}	12.9	970512	60.90	91.00	76.13	11.05	0.0621	2.9881	8	15	N
1997 JF_{10}	16.5	970512	44.64	328.73	197.40	1.91	0.2222	2.5911	3	7	M
1997 JH_{10}	16.5	970512	41.59	340.74	200.50	2.08	0.1135	2.2591	3	8	M
1997 JP_{11}	14.0	970422	299.23	237.26	64.55	3.44	0.1753	2.9563	23	8	W
1997 JW_{12}	16.0	970422	341.40	22.60	224.21	22.68	0.1704	2.2083	1	9	E W
1997 JY_{12}	17.0	970422	328.86	217.61	51.51	5.53	0.2322	2.2283	1	9	E W
1997 JC_{13}	13.5	970422	154.93	7.68	52.24	10.70	0.2567	2.5781	1	9	E W
1997 JM_{13}	18.0	970422	333.22	148.71	109.54	0.97	0.1708	2.1738	1	9	E W
2767 P-L	12.5	600923	114.19	157.84	85.96	2.63	0.1339	3.1033	5	6	E W

1991 TL_{13} = 1991 SB_5 (S. Nakano, *MPC* 22572)
1997 FX_2 = 1997 GH_{19} (G. V. Williams)
1997 GU_6 = 1997 GO_{21} (G. V. Williams)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(662) Newtonia Obs. 95 *M* 234.81743 *ω* 165.75993
H 10.5 *G* 0.15 *U* 0 Opp. 23 *n* 0.24112585 Ω 134.02876
rms res. 0″.74 (M–v) 1909–1997 *e* 0.2127079 *i* 4.11534

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(902) Probitas Obs. 86 *M* 187.88895 *ω* 27.99227
H 12.3 *G* 0.15 *U* 1 Opp. 11 *n* 0.25763411 Ω 353.19754
rms res. 0″.72 (M–v) 1941–1997 *e* 0.1784641 *i* 6.35762

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(922) Schlutia Obs. 47 *M* 236.72410 *ω* 126.90917
H 11.7 *G* 0.15 *U* 1 Opp. 18 *n* 0.22344178 Ω 205.49348
rms res. 0″.83 (M–v) 1906–1993 *e* 0.1920125 *i* 7.30289

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(987) Wallia Obs. 70 *M* 169.92751 *ω* 14.92289
H 9.3 *G* 0.15 *U* 1 Opp. 17 *n* 0.17537297 Ω 323.35610
rms res. 0″.86 (M–v) 1952–1997 *e* 0.2199908 *i* 8.83529

Epoch 1997 June 1.0 TT = JDT 2450600.5 Forti
(1029) La Plata Obs. 96 *M* 9.40054 *ω* 136.75108
H 10.88 *G* 0.15 *U* 1 Opp. 23 *n* 0.20061161 Ω 30.29966
rms res. 0″.70 (M–v) 1916–1997 *e* 0.0271742 *i* 2.43792

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1061) Paeonia Obs. 78 *M* 344.02740 *ω* 301.03783
H 12.09 *G* 0.15 *U* 1 Opp. 16 *n* 0.17800239 Ω 91.70143
rms res. 0″.85 (M–v) 1925–1994 *e* 0.2096867 *i* 2.49117

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1142) Aetolia Obs. 114 *M* 245.66843 *ω* 95.23392
H 10.3 *G* 0.15 *U* 1 Opp. 24 *n* 0.17398501 Ω 139.58954
rms res. 0″.90 (M–v) 1930–1995 *e* 0.0949858 *i* 2.09708

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1195) Orangia Obs. 18 *M* 161.09530 *ω* 327.64183
H 13.7 *G* 0.15 *U* 1 Opp. 8 *n* 0.29061841 Ω 281.54760
rms res. 0″.92 (M–v) 1931–1992 *e* 0.2009367 *i* 7.18600

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1214) Richilde Obs. 51 *M* 13.00943 *ω* 32.35515
H 10.9 *G* 0.15 *U* 1 Opp. 15 *n* 0.22083836 Ω 286.31528
rms res. 0″.93 (M–v) 1932–1990 *e* 0.1198429 *i* 9.84878

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1223) Neckar Obs. 104 *M* 136.03574 *ω* 13.69732
H 10.58 *G* 0.15 *U* 1 Opp. 23 *n* 0.20285867 Ω 41.12150
rms res. 0″.89 (M–v) 1907–1994 *e* 0.0614547 *i* 2.55504

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1278) Kenya Obs. 47 *M* 12.64875 *ω* 238.14924
H 10.8 *G* 0.15 *U* 1 Opp. 16 *n* 0.26413878 Ω 90.47501
rms res. 0″.80 (M–v) 1933–1995 *e* 0.2606672 *i* 10.86576

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1283) Komsomolia Obs. 58 M 139.89574 ω 236.53767
H 10.3 G 0.15 U 1 Opp. 15 n 0.17298829 Ω 157.97636
rms res. 0″.86 (M–v) 1902–1994 e 0.2161976 i 8.89182

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1406) Komppa Obs. 57 M 215.92992 ω 84.77474
H 10.6 G 0.15 U 1 Opp. 13 n 0.22271489 Ω 333.51585
rms res. 0″.85 (M–v) 1936–1993 e 0.0981674 i 12.44568

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1451) Granö Obs. 46 M 351.18647 ω 51.41759
H 12.6 G 0.15 U 1 Opp. 11 n 0.30138571 Ω 175.45910
rms res. 0″.64 (M–v) 1938–1997 e 0.1167833 i 5.10544

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1465) Autonoma Obs. 80 M 47.40771 ω 50.72417
H 11.6 G 0.15 U 1 Opp. 15 n 0.18604831 Ω 167.29341
rms res. 0″.74 (M–v) 1938–1996 e 0.1676835 i 9.90223

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1470) Carla Obs. 64 M 182.67786 ω 337.65227
H 11.0 G 0.15 U 1 Opp. 17 n 0.17516552 Ω 359.42255
rms res. 0″.95 (M–v) 1938–1997 e 0.0545623 i 3.21841

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1613) Smiley Obs. 48 M 57.18041 ω 125.58332
H 11.4 G 0.15 U 1 Opp. 16 n 0.21783292 Ω 321.35155
rms res. 0″.93 (M–v) 1929–1997 e 0.2623220 i 7.94659

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1649) Fabre Obs. 36 M 289.02488 ω 15.92003
H 12.2 G 0.15 U 1 Opp. 13 n 0.18782605 Ω 145.82572
rms res. 0″.81 (M–v) 1930–1997 e 0.0515214 i 10.80910

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1657) Roemera Obs. 56 M 28.30163 ω 53.48870
H 12.84 G 0.15 U 0 Opp. 12 n 0.27391778 Ω 105.62719
rms res. 0″.78 (M–v) 1932–1997 e 0.2357171 i 23.42287

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1679) Nevanlinna Obs. 99 M 349.67537 ω 92.72665
H 10.6 G 0.15 U 1 Opp. 14 n 0.17844858 Ω 177.73221
rms res. 0″.91 (M–v) 1941–1996 e 0.1445993 i 17.93994

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1720) Niels Obs. 85 M 147.65365 ω 308.89721
H 13.2 G 0.15 U 1 Opp. 16 n 0.30454362 Ω 127.70619
rms res. 0″.74 (M–v) 1940–1997 e 0.1047116 i 0.72810

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1798) Watts Obs. 51 M 59.83803 ω 3.97328
H 12.8 G 0.15 U 0 Opp. 14 n 0.30219709 Ω 44.42514
rms res. 0″.79 (M–v) 1934–1996 e 0.1219976 i 6.19629

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1912) Anubis Obs. 58 M 118.24273 ω 318.89776
H 11.4 G 0.15 U 1 Opp. 12 n 0.19922483 Ω 76.43213
rms res. 0″.90 (M–v) 1960–1993 e 0.0948018 i 3.16265

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1946) Walraven Obs. 33 M 302.89580 ω 339.69597
H 11.9 G 0.15 U 1 Opp. 13 n 0.28375828 Ω 17.48186
rms res. 0″.80 (M–v) 1931–1996 e 0.2354865 i 8.16668

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1953) Rupertwildt Obs. 58 M 95.73458 ω 328.72066
H 11.8 G 0.15 U 1 Opp. 16 n 0.17921191 Ω 74.40278
rms res. 0″.94 (M–v) 1929–1997 e 0.1770186 i 2.46210

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1982) Cline Obs. 38 M 101.96696 ω 279.13967
H 12.5 G 0.15 U 1 Opp. 10 n 0.28066743 Ω 42.60523
rms res. 0″.84 (M–v) 1957–1996 e 0.2498082 i 6.84106

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(1993) Guacolda Obs. 23 M 144.42723 ω 147.28859
H 12.0 G 0.15 U 1 Opp. 8 n 0.18408300 Ω 158.51784
rms res. 0″.80 (M–v) 1968–1994 e 0.0625424 i 11.43967

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2017) Wesson Obs. 76 M 292.18889 ω 136.06401
H 12.78 G 0.15 U 1 Opp. 14 n 0.29172187 Ω 171.52805
rms res. 0″.85 (M–v) 1951–1997 e 0.1859377 i 4.85356

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2042) Sitarski Obs. 40 M 315.61812 ω 55.76313
H 12.8 G 0.15 U 1 Opp. 7 n 0.21582548 Ω 17.38012
rms res. 0″.97 (M–v) 1960–1994 e 0.1496936 i 5.32842

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2070) Humason Obs. 38 M 261.30423 ω 349.87629
H 13.9 G 0.15 U 1 Opp. 9 n 0.29214624 Ω 1.46458
rms res. 0″.90 (M–v) 1954–1996 e 0.1550201 i 2.75846

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2086) Newell Obs. 36 M 193.91136 ω 295.14413
H 12.4 G 0.15 U 1 Opp. 12 n 0.26494244 Ω 135.31448
rms res. 0″.89 (M–v) 1951–1996 e 0.1130543 i 6.47778

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2163) Korczak Obs. 45 M 213.52839 ω 267.29745
H 11.7 G 0.15 U 1 Opp. 15 n 0.17727045 Ω 113.43088
rms res. 0″.89 (M–v) 1949–1997 e 0.1915041 i 2.51033

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2193) Jackson Obs. 43 M 331.27207 ω 226.19061
H 10.3 G 0.15 U 1 Opp. 11 n 0.17973595 Ω 37.03247
rms res. 0″.90 (M–v) 1936–1997 e 0.0609486 i 11.66837

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(2194) Arpola Obs. 54 M 77.51499 ω 100.85654
H 12.6 G 0.15 U 1 Opp. 10 n 0.27758380 Ω 47.38784
rms res. 0″.80 (M–v) 1940–1997 e 0.0414969 i 8.52891

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2224) Tucson Obs. 70 M 245.42888 ω 246.00331
H 11.1 G 0.15 U 1 Opp. 14 n 0.20152497 Ω 51.46096
rms res. 0″.79 (M–v) 1951–1996 e 0.0433132 i 2.67561

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2227) Otto Struve Obs. 69 M 119.90594 ω 253.66232
H 13.8 G 0.15 U 1 Opp. 11 n 0.29486576 Ω 179.10757
rms res. 1″.00 (M–v) 1935–1997 e 0.1750391 i 4.94548

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2256) Wisniewski Obs. 63 M 295.21329 ω 196.46445
H 11.8 G 0.15 U 1 Opp. 19 n 0.18110915 Ω 115.71196
rms res. 0″.83 (M–v) 1954–1997 e 0.1712740 i 0.46340

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2283) Bunke Obs. 36 M 106.95331 ω 346.83230
H 12.7 G 0.15 U 1 Opp. 9 n 0.29208399 Ω 197.04086
rms res. 0″.93 (M–v) 1951–1993 e 0.0865414 i 6.72499

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2295) Matusovskij Obs. 39 M 334.64003 ω 68.06237
H 12.0 G 0.15 U 1 Opp. 11 n 0.19924843 Ω 314.10636
rms res. 0″.81 (M–v) 1952–1994 e 0.0915888 i 2.51606

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2300) Stebbins Obs. 89 M 31.00727 ω 358.13026
H 11.9 G 0.15 U 1 Opp. 11 n 0.20611147 Ω 31.98376
rms res. 0″.92 (M–v) 1953–1994 e 0.0757455 i 2.32114

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2305) King Obs. 33 M 183.51776 ω 359.02755
H 11.8 G 0.15 U 1 Opp. 12 n 0.21202767 Ω 25.58779
rms res. 0″.67 (M–v) 1929–1997 e 0.0307447 i 7.47092

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2319) Aristides Obs. 37 M 128.46190 ω 269.58766
H 12.2 G 0.15 U 1 Opp. 11 n 0.19889319 Ω 112.81208
rms res. 0″.88 (M–v) 1935–1997 e 0.0912261 i 2.96825

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2400) Derevskaya Obs. 57 M 244.33398 ω 140.37051
H 11.9 G 0.15 U 1 Opp. 9 n 0.18943338 Ω 172.19299
rms res. 0″.67 (M–v) 1972–1997 e 0.0965418 i 10.41026

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2574) Ladoga Obs. 33 M 48.24715 ω 306.03168
H 11.3 G 0.15 U 1 Opp. 12 n 0.20492709 Ω 22.45419
rms res. 0″.83 (M–v) 1949–1995 e 0.0712009 i 2.11761

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2641) Lipschutz Obs. 42 M 52.19223 ω 164.40105
H 12.7 G 0.15 U 1 Opp. 6 n 0.26867873 Ω 27.95948
rms res. 0″.70 (M–v) 1949–1994 e 0.1313738 i 9.01460

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2810) Lev Tolstoj Obs. 35 M 97.55677 ω 259.32895
H 12.6 G 0.15 U 1 Opp. 9 n 0.23425961 Ω 193.49807
rms res. 0″.65 (M–v) 1953–1997 e 0.1522388 i 12.73171

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2839) Annette Obs. 28 M 150.89521 ω 6.46469
H 12.3 G 0.15 U 1 Opp. 10 n 0.29874623 Ω 44.73152
rms res. 0″.93 (M–v) 1929–1997 e 0.1503447 i 4.81226

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2864) Soderblom Obs. 41 M 34.62663 ω 11.24236
H 12.5 G 0.15 U 1 Opp. 8 n 0.21661683 Ω 135.45144
rms res. 0″.77 (M–v) 1954–1997 e 0.1501324 i 3.13792

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2869) Nepryadva Obs. 23 M 14.40204 ω 297.94153
H 12.1 G 0.15 U 1 Opp. 8 n 0.23025320 Ω 357.48153
rms res. 0″.83 (M–v) 1953–1993 e 0.1755939 i 12.88683

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2871) Schober Obs. 44 M 212.70688 ω 335.11765
H 12.9 G 0.15 U 1 Opp. 10 n 0.29051513 Ω 28.54356
rms res. 0″.68 (M–v) 1954–1997 e 0.1392895 i 5.77487

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2899) Runrun Shaw Obs. 34 M 253.62910 ω 303.67816
H 13.5 G 0.15 U 1 Opp. 9 n 0.28973475 Ω 19.92821
rms res. 0″.73 (M–v) 1954–1997 e 0.1558576 i 3.22584

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2901) Bagehot Obs. 28 M 214.38349 ω 241.49566
H 11.9 G 0.15 U 1 Opp. 7 n 0.20325393 Ω 69.29506
rms res. 0″.59 (M–v) 1959–1995 e 0.0466379 i 3.17759

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(2986) Mrinalini Obs. 41 M 166.21079 ω 303.64463
H 11.9 G 0.15 U 1 Opp. 10 n 0.17361966 Ω 51.77666
rms res. 0″.92 (M–v) 1954–1994 e 0.1474416 i 2.54994

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3015) Candy Obs. 35 M 271.72500 ω 303.51553
H 11.1 G 0.15 U 1 Opp. 8 n 0.15730480 Ω 38.58491
rms res. 0″.96 (M–v) 1965–1997 e 0.1614310 i 17.41392

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3154) Grant Obs. 38 M 90.24715 ω 308.41125
H 12.6 G 0.15 U 1 Opp. 7 n 0.18040959 Ω 102.72662
rms res. 0″.72 (M–v) 1975–1997 e 0.1694582 i 2.47453

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3192) A'Hearn Obs. 49 M 63.40701 ω 90.03547
H 13.7 G 0.15 U 1 Opp. 9 n 0.26900754 Ω 57.02987
rms res. 0″.91 (M–v) 1975–1997 e 0.1694032 i 2.88022

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3193) Elliot Obs. 31 M 192.64599 ω 75.60667
H 13.4 G 0.15 U 1 Opp. 8 n 0.28328857 Ω 12.02716
rms res. 0″.86 (M–v) 1977–1996 e 0.1058725 i 5.73232

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3196) Maklaj Obs. 31 M 204.59198 ω 340.55473
H 12.3 G 0.15 U 1 Opp. 8 n 0.18707941 Ω 13.51179
rms res. 0″.55 (M–v) 1953–1997 e 0.0233377 i 8.98738

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3305) Ceadams Obs. 43 M 284.54301 ω 239.82830
H 12.2 G 0.15 U 1 Opp. 7 n 0.23455098 Ω 32.37819
rms res. 0″.64 (M–v) 1977–1997 e 0.1502629 i 13.46249

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3380) Awaji Obs. 30 M 46.79020 ω 18.07870
H 11.9 G 0.15 U 1 Opp. 10 n 0.20561192 Ω 93.10535
rms res. 0″.93 (M–v) 1940–1997 e 0.0273012 i 3.23964

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3434) Hurless Obs. 57 M 259.79990 ω 261.90872
H 13.0 G 0.15 U 1 Opp. 8 n 0.23014960 Ω 88.41534
rms res. 0″.99 (M–v) 1951–1997 e 0.2324297 i 3.44706

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3602) Lazzaro Obs. 24 M 325.10693 ω 232.30524
H 14.3 G 0.15 U 1 Opp. 6 n 0.28898067 Ω 242.16078
rms res. 0″.77 (M–v) 1976–1995 e 0.1332449 i 5.57672

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3617) Eicher Obs. 29 M 34.28958 ω 34.05312
H 12.0 G 0.15 U 1 Opp. 8 n 0.23140115 Ω 181.75152
rms res. 0″.65 (M–v) 1950–1992 e 0.1085471 i 14.49027

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3670) Northcott Obs. 31 M 315.51178 ω 138.15798
H 12.0 G 0.15 U 1 Opp. 9 n 0.21712704 Ω 107.30905
rms res. 0″.95 (M–v) 1981–1994 e 0.0160140 i 6.44208

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(3671) Dionysus Obs. 121 M 347.69481 ω 203.71308
H 16.3 G 0.15 U 0 Opp. 4 n 0.30311938 Ω 82.42947
rms res. 0″.87 (M–v) 1984–1997 e 0.5432098 i 13.62485

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3680) Sasha Obs. 19 M 167.43808 ω 95.09702
H 12.9 G 0.15 U 1 Opp. 6 n 0.29674525 Ω 26.26802
rms res. 0″.83 (M–v) 1971–1994 e 0.0631482 i 5.50696

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3720) Hokkaido Obs. 31 M 341.59475 ω 284.92137
H 13.1 G 0.15 U 1 Opp. 7 n 0.27900569 Ω 19.54824
rms res. 0″.58 (M–v) 1969–1996 e 0.1269324 i 6.79656

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3727) Maxhell Obs. 34 M 224.74966 ω 150.07348
H 11.4 G 0.15 U 1 Opp. 9 n 0.16249170 Ω 163.35988
rms res. 0″.69 (M–v) 1954–1997 e 0.1367029 i 5.24823

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3794) Sthenelos Obs. 25 M 1.32347 ω 34.39949
H 9.9 G 0.15 U 1 Opp. 10 n 0.08344594 Ω 343.28467
rms res. 0″.69 (M–v) 1949–1996 e 0.1471262 i 6.07197

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3808) Tempel Obs. 42 M 125.15720 ω 10.71145
H 14.4 G 0.15 U 1 Opp. 5 n 0.28104048 Ω 153.33916
rms res. 0″.57 (M–v) 1982–1996 e 0.1471552 i 6.32439

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3821) 1985 RC$_3$ Obs. 66 M 267.50344 ω 335.43386
H 12.1 G 0.15 U 1 Opp. 8 n 0.16826295 Ω 112.45244
rms res. 0″.82 (M–v) 1951–1996 e 0.1803460 i 0.55420

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3835) Korolenko Obs. 40 M 158.53616 ω 232.16975
H 12.3 G 0.15 U 1 Opp. 5 n 0.22572750 Ω 175.77181
rms res. 0″.84 (M–v) 1977–1996 e 0.1567555 i 12.63514

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3847) Šindel Obs. 41 M 20.34043 ω 323.73855
H 11.6 G 0.15 U 1 Opp. 10 n 0.17709840 Ω 67.32789
rms res. 0″.96 (M–v) 1974–1996 e 0.0850898 i 3.42470

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3875) Staehle Obs. 47 M 196.75396 ω 187.64898
H 12.8 G 0.15 U 1 Opp. 8 n 0.29691885 Ω 131.87928
rms res. 0″.68 (M–v) 1952–1997 e 0.1934380 i 6.20407

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3887) Gerstner Obs. 32 M 105.73113 ω 138.42697
H 12.4 G 0.15 U 1 Opp. 9 n 0.18992216 Ω 191.69320
rms res. 0″.92 (M–v) 1955–1994 e 0.1040516 i 9.89983

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3911) Otomo Obs. 36 M 248.01866 ω 137.67378
H 11.4 G 0.15 U 1 Opp. 13 n 0.18633887 Ω 210.66370
rms res. 0″.84 (M–v) 1940–1997 e 0.1002497 i 10.73258

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3932) 1984 SC$_5$ Obs. 26 M 89.68899 ω 327.49793
H 12.0 G 0.15 U 1 Opp. 6 n 0.24008590 Ω 324.72090
rms res. 0″.79 (M–v) 1959–1996 e 0.1681925 i 14.55297

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3950) 1986 CH Obs. 26 M 31.30668 ω 270.51646
H 12.0 G 0.15 U 1 Opp. 7 n 0.19032713 Ω 269.54937
rms res. 0″.74 (M–v) 1973–1993 e 0.0520021 i 8.91824

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(3975) Verdi Obs. 36 M 261.08148 ω 249.73467
H 12.3 G 0.15 U 1 Opp. 9 n 0.19968541 Ω 205.01800
rms res. 0″.88 (M–v) 1950–1992 e 0.0503003 i 1.28611

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4007) Euryalos Obs. 44 M 295.87280 ω 75.73101
H 10.0 G 0.15 U 1 Opp. 5 n 0.08429561 Ω 6.77227
rms res. 0″.95 (M–v) 1973–1996 e 0.0575382 i 11.02149

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4013) Ogiria Obs. 19 M 54.53337 ω 152.21767
H 12.0 G 0.15 U 1 Opp. 10 n 0.17688151 Ω 193.30582
rms res. 0″.98 (M–v) 1935–1994 e 0.1816691 i 0.54194

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(4036) 1987 DW$_5$ Obs. 55 M 79.44447 ω 336.12454
H 12.5 G 0.15 U 1 Opp. 8 n 0.21062174 Ω 158.31935
rms res. 0″.74 (M–v) 1952–1997 e 0.1526067 i 4.67947

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4044) Erikhøg Obs. 19 M 279.86570 ω 253.76372
H 11.8 G 0.15 U 1 Opp. 5 n 0.18618352 Ω 94.87968
rms res. 0″.65 (M–v) 1977–1991 e 0.0935805 i 10.68784

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4058) Cecilgreen Obs. 30 M 323.64368 ω 253.78706
H 11.4 G 0.15 U 1 Opp. 6 n 0.18866136 Ω 62.10085
rms res. 0″.72 (M–v) 1972–1996 e 0.0994192 i 10.79290

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4060) Deipylos Obs. 48 M 266.19191 ω 304.83484
H 8.9 G 0.15 U 1 Opp. 6 n 0.08164655 Ω 168.30907
rms res. 0″.70 (M–v) 1942–1996 e 0.1558801 i 16.15007

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4096) Kushiro Obs. 40 M 80.08039 ω 303.01301
H 12.5 G 0.15 U 1 Opp. 8 n 0.20934960 Ω 19.14631
rms res. 0″.91 (M–v) 1971–1996 e 0.1518256 i 9.07039

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4135) Svetlanov Obs. 40 M 193.13451 ω 175.42895
H 12.1 G 0.15 U 1 Opp. 9 n 0.21181293 Ω 200.27470
rms res. 0″.92 (M–v) 1929–1997 e 0.2338455 i 7.93974

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4155) Watanabe Obs. 52 M 203.21524 ω 354.92830
H 12.7 G 0.15 U 1 Opp. 8 n 0.25979235 Ω 17.74631
rms res. 0″.92 (M–v) 1977–1997 e 0.2403995 i 6.00887

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4243) 1981 GF$_1$ Obs. 47 M 238.86517 ω 359.19500
H 12.6 G 0.15 U 1 Opp. 8 n 0.18720301 Ω 345.42457
rms res. 0″.78 (M–v) 1976–1996 e 0.1192401 i 9.02111

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4255) Spacewatch Obs. 36 M 105.15849 ω 75.99360
H 13.5 G 0.15 U 1 Opp. 4 n 0.12476015 Ω 184.04366
rms res. 0″.66 (M–v) 1986–1996 e 0.1550211 i 2.60735

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4327) Ries Obs. 16 M 19.95957 ω 276.05297
H 12.3 G 0.15 U 1 Opp. 5 n 0.21378257 Ω 56.15144
rms res. 0″.61 (M–v) 1982–1995 e 0.2269726 i 16.65149

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4372) Quincy Obs. 47 M 174.51570 ω 15.55093
H 13.0 G 0.15 U 1 Opp. 8 n 0.19669707 Ω 15.15222
rms res. 0″.84 (M–v) 1969–1997 e 0.1277529 i 1.52178

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4374) Tadamori Obs. 38 M 46.64150 ω 338.75093
H 13.0 G 0.15 U 1 Opp. 8 n 0.29741967 Ω 152.73729
rms res. 0″.86 (M–v) 1969–1997 e 0.1711583 i 4.84176

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4403) Kuniharu Obs. 32 M 3.17651 ω 141.52982
H 13.8 G 0.15 U 1 Opp. 6 n 0.29337781 Ω 34.18801
rms res. 0″.80 (M–v) 1975–1997 e 0.0943644 i 3.09053

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4439) Muroto Obs. 29 M 108.02171 ω 18.32003
H 13.0 G 0.15 U 1 Opp. 7 n 0.18336306 Ω 52.32526
rms res. 0″.88 (M–v) 1954–1997 e 0.2779227 i 2.31280

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4445) 1985 TC Obs. 41 M 153.84331 ω 156.09983
H 14.2 G 0.15 U 1 Opp. 8 n 0.28869347 Ω 215.84155
rms res. 0″.76 (M–v) 1937–1997 e 0.1896185 i 2.85249

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4454) Kumiko Obs. 50 M 174.43001 ω 131.91569
H 12.6 G 0.15 U 1 Opp. 8 n 0.17304332 Ω 278.61830
rms res. 0″.85 (M–v) 1953–1997 e 0.1004397 i 0.70451

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4570) Runcorn Obs. 37 M 346.25453 ω 208.07503
H 13.0 G 0.15 U 1 Opp. 8 n 0.30236469 Ω 349.43561
rms res. 0″.74 (M–v) 1955–1997 e 0.1086479 i 5.02339

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4572) Brage Obs. 26 M 267.23828 ω 75.56511
H 12.8 G 0.15 U 1 Opp. 8 n 0.23570225 Ω 192.96626
rms res. 0″.84 (M–v) 1956–1991 e 0.1548324 i 12.01769

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4586) Gunvor Obs. 33 M 34.90934 ω 303.98751
H 13.8 G 0.15 U 1 Opp. 9 n 0.28149192 Ω 200.51608
rms res. 0″.61 (M–v) 1955–1997 e 0.0784030 i 5.14882

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4615) Zinner Obs. 28 M 221.13317 ω 342.91750
H 12.3 G 0.15 U 1 Opp. 8 n 0.23532649 Ω 1.88357
rms res. 0″.94 (M–v) 1923–1997 e 0.1651699 i 14.75309

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4619) Polyakhova Obs. 51 M 79.39654 ω 198.39585
H 12.6 G 0.15 U 1 Opp. 8 n 0.22352985 Ω 267.26299
rms res. 0″.92 (M–v) 1966–1995 e 0.0310512 i 1.81166

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4685) Karetnikov Obs. 52 M 73.27943 ω 19.06334
H 12.5 G 0.15 U 1 Opp. 9 n 0.17407757 Ω 48.09958
rms res. 0″.89 (M–v) 1954–1997 e 0.1747880 i 1.62629

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4716) 1989 UL$_5$ Obs. 23 M 41.23492 ω 104.21922
H 11.7 G 0.15 U 1 Opp. 7 n 0.17399508 Ω 20.46840
rms res. 0″.76 (M–v) 1954–1995 e 0.1394881 i 10.16439

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4752) Myron Obs. 68 M 76.96044 ω 10.52987
H 12.2 G 0.15 U 1 Opp. 8 n 0.18131498 Ω 55.50575
rms res. 0″.77 (M–v) 1951–1997 e 0.1653191 i 2.04199

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4766) Malin Obs. 37 M 231.35651 ω 357.18709
H 12.2 G 0.15 U 1 Opp. 6 n 0.23606555 Ω 96.73777
rms res. 0″.87 (M–v) 1981–1996 e 0.1376689 i 14.24081

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(4800) 1989 TG$_{17}$ Obs. 36 M 174.17374 ω 183.61489
H 11.5 G 0.15 U 2 Opp. 6 n 0.18887250 Ω 179.91627
rms res. 0″.68 (M–v) 1979–1997 e 0.1036731 i 10.29136

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4840) Otaynang Obs. 45 M 87.33826 ω 199.85194
H 11.9 G 0.15 U 1 Opp. 5 n 0.17359699 Ω 247.65573
rms res. 0″.63 (M–v) 1955–1997 e 0.1006804 i 15.17243

Epoch 1997 June 1.0 TT = JDT 2450600.5 Forti
(4890) Shikanosima Obs. 34 M 272.50081 ω 185.20951
H 13.5 G 0.15 U 1 Opp. 6 n 0.30110443 Ω 100.43121
rms res. 0″.63 (M–v) 1982–1997 e 0.1495549 i 3.65515

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(4895) Embla Obs. 30 M 342.36886 ω 341.41597
H 13.5 G 0.15 U 1 Opp. 8 n 0.27282070 Ω 38.64815
rms res. 0″.72 (M–v) 1955–1993 e 0.2373446 i 7.13771

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5007) Keay Obs. 18 M 230.12295 ω 161.78031
H 13.4 G 0.15 U 1 Opp. 6 n 0.22477184 Ω 169.37257
rms res. 1″.03 (M–v) 1981–1997 e 0.1870610 i 13.35245

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5018) Tenmu Obs. 42 M 266.68890 ω 352.15112
H 14.3 G 0.15 U 1 Opp. 6 n 0.31075784 Ω 30.85591
rms res. 0″.85 (M–v) 1977–1994 e 0.0595909 i 3.41098

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5050) Doctorwatson Obs. 35 M 210.92396 ω 138.53149
H 13.4 G 0.15 U 1 Opp. 8 n 0.26515045 Ω 264.55066
rms res. 0″.82 (M–v) 1953–1996 e 0.1200378 i 0.86835

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5084) 1977 FN$_1$ Obs. 21 M 252.07848 ω 119.52656
H 11.7 G 0.15 U 1 Opp. 6 n 0.17634677 Ω 42.15234
rms res. 0″.60 (M–v) 1951–1994 e 0.0994622 i 7.42832

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5123) 1989 BL Obs. 52 M 269.33727 ω 29.68697
H 9.9 G 0.15 U 1 Opp. 6 n 0.08210449 Ω 78.26822
rms res. 0″.80 (M–v) 1986–1996 e 0.1036817 i 8.52282

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5158) 1976 YY Obs. 24 M 196.24504 ω 340.24312
H 14.1 G 0.15 U 1 Opp. 7 n 0.26121362 Ω 34.34993
rms res. 0″.78 (M–v) 1953–1997 e 0.1774893 i 3.14573

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5187) Domon Obs. 45 M 100.76773 ω 281.61076
H 12.2 G 0.15 U 1 Opp. 8 n 0.19688453 Ω 129.25218
rms res. 0″.77 (M–v) 1954–1997 e 0.0750265 i 3.01766

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5314) 1982 SG$_4$ Obs. 19 M 228.63865 ω 248.46348
H 12.0 G 0.15 U 1 Opp. 5 n 0.18901305 Ω 205.99883
rms res. 0″.63 (M–v) 1982–1992 e 0.0788690 i 9.60064

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5343) 1977 SG$_3$ Obs. 27 M 243.00125 ω 338.50061
H 13.3 G 0.15 U 1 Opp. 5 n 0.28737894 Ω 65.92536
rms res. 0″.80 (M–v) 1953–1993 e 0.1285514 i 8.34248

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5369) Virgiugum Obs. 23 M 172.70775 ω 180.95497
H 13.7 G 0.15 U 1 Opp. 7 n 0.29044000 Ω 166.93680
rms res. 0″.66 (M–v) 1934–1997 e 0.2284077 i 4.52433

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5437) 1990 DU$_3$ Obs. 41 M 255.52881 ω 335.41951
H 13.1 G 0.15 U 1 Opp. 5 n 0.28256478 Ω 319.56121
rms res. 0″.64 (M–v) 1990–1997 e 0.1104466 i 6.40149

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5509) Rennsteig Obs. 42 M 310.95608 ω 89.29229
H 14.6 G 0.15 U 1 Opp. 6 n 0.29939863 Ω 189.36895
rms res. 0″.67 (M–v) 1978–1997 e 0.1374537 i 2.19385

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5527) 1991 UQ$_3$ Obs. 39 M 347.68455 ω 173.04872
H 13.2 G 0.15 U 1 Opp. 7 n 0.29605809 Ω 109.02501
rms res. 0″.79 (M–v) 1954–1996 e 0.1278927 i 3.68490

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(5530) Eisinga Obs. 46 M 90.09225 ω 114.58863
H 13.9 G 0.15 U 1 Opp. 7 n 0.28369921 Ω 16.68969
rms res. 0″.55 (M–v) 1955–1997 e 0.1519812 i 7.74849

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5651) Traversa Obs. 28 M 159.41290 ω 231.27770
H 11.7 G 0.15 U 1 Opp. 7 n 0.17634679 Ω 139.43814
rms res. 0″.77 (M–v) 1977–1994 e 0.1497060 i 14.60641

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5696) Ibsen Obs. 29 M 204.74809 ω 278.83379
H 12.5 G 0.15 U 1 Opp. 5 n 0.17219124 Ω 20.48516
rms res. 0″.71 (M–v) 1960–1994 e 0.1552431 i 3.34683

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5720) Halweaver Obs. 48 M 321.85342 ω 81.86313
H 13.5 G 0.15 U 1 Opp. 5 n 0.28395724 Ω 48.08862
rms res. 0″.60 (M–v) 1951–1994 e 0.3078408 i 23.47808

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(5926) Schönfeld Obs. 46 M 272.44716 ω 183.62585
H 14.1 G 0.15 U 0 Opp. 8 n 0.27338616 Ω 159.62248
rms res. 0″.78 (M–v) 1929–1997 e 0.2360235 i 3.96483

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams
(5953) 1987 HS Obs. 42 M 238.88810 ω 163.33066
H 13.3 G 0.15 U 2 Opp. 7 n 0.27914296 Ω 137.89916
rms res. 0″.83 (M–v) 1983–1997 e 0.1677934 i 24.02851

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6070) Rheinland Obs. 28 M 226.64135 ω 292.56900
H 13.6 G 0.15 U 1 Opp. 6 n 0.26724797 Ω 84.13945
rms res. 0″.72 (M–v) 1950–1997 e 0.2100277 i 3.13330

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6076) Plavec Obs. 46 M 315.33721 ω 81.18175
H 12.8 G 0.15 U 1 Opp. 7 n 0.22999631 Ω 143.39199
rms res. 0″.80 (M–v) 1959–1997 e 0.1772077 i 8.15538

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6077) 1980 TM Obs. 44 M 234.02726 ω 322.30676
H 12.6 G 0.15 U 1 Opp. 8 n 0.21147776 Ω 24.00446
rms res. 0″.62 (M–v) 1980–1997 e 0.1107409 i 4.30653

Epoch 1997 June 1.0 TT = JDT 2450600.5 Forti
(6106) Stoss Obs. 29 M 193.54011 ω 201.84642
H 12.5 G 0.15 U 1 Opp. 7 n 0.17383470 Ω 125.31166
rms res. 0″.60 (M–v) 1954–1997 e 0.1517477 i 2.54083

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6220) 1978 SN$_7$ Obs. 34 M 152.38395 ω 208.76331
H 12.4 G 0.15 U 1 Opp. 6 n 0.18766460 Ω 220.64272
rms res. 0″.79 (M–v) 1978–1997 e 0.0931649 i 9.86659

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6616) Plotinos Obs. 40 M 121.99937 ω 214.26086
H 14.3 G 0.15 U 1 Opp. 8 n 0.26249433 Ω 188.39027
rms res. 0″.67 (M–v) 1954–1997 e 0.1215519 i 6.08679

Epoch 1997 June 1.0 TT = JDT 2450600.5 Forti
(6621) 1975 VN$_5$ Obs. 30 M 138.88340 ω 253.47425
H 13.5 G 0.15 U 1 Opp. 8 n 0.24320148 Ω 124.88441
rms res. 0″.80 (M–v) 1950–1997 e 0.2458871 i 7.11326

Epoch 1997 June 1.0 TT = JDT 2450600.5 Forti
(6675) Sisley Obs. 46 M 40.01583 ω 57.34252
H 14.7 G 0.15 U 1 Opp. 5 n 0.18294662 Ω 67.09795
rms res. 0″.77 (M–v) 1973–1997 e 0.1846281 i 1.57425

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6691) 1984 DX Obs. 53 M 121.81319 ω 291.06136
H 13.9 G 0.15 U 1 Opp. 6 n 0.23841605 Ω 144.35762
rms res. 0″.73 (M–v) 1951–1996 e 0.2451711 i 3.91603

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6735) 1992 WM$_3$ Obs. 72 M 153.49475 ω 357.51249
H 13.7 G 0.15 U 1 Opp. 5 n 0.31084348 Ω 75.21940
rms res. 0″.59 (M–v) 1984–1997 e 0.0795765 i 2.90402

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6754) 1976 UD$_4$ Obs. 45 M 140.33996 ω 242.72347
H 13.9 G 0.15 U 1 Opp. 5 n 0.25852539 Ω 170.69797
rms res. 0″.71 (M–v) 1970–1997 e 0.1839854 i 2.47436

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6778) 1989 TX$_{10}$ Obs. 39 M 147.22264 ω 317.67120
H 12.0 G 0.15 U 1 Opp. 7 n 0.20645622 Ω 120.15429
rms res. 0″.78 (M–v) 1939–1997 e 0.0451334 i 3.10998

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6814) 1979 MC$_2$ Obs. 40 M 269.28478 ω 104.97249
H 13.1 G 0.15 U 1 Opp. 8 n 0.20729773 Ω 195.26366
rms res. 0″.66 (M–v) 1950–1997 e 0.0356750 i 2.15929

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell
(6854) 1987 UG Obs. 35 M 198.29016 ω 184.46020
H 14.0 G 0.15 U 1 Opp. 6 n 0.26136420 Ω 210.35150
rms res. 0″.78 (M–v) 1953–1997 e 0.2150001 i 1.82143

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7021) 1992 JN$_1$ Obs. 37 M 26.04934 ω 217.68881
H 12.6 G 0.15 U 1 Opp. 4 n 0.23644520 Ω 90.81606
rms res. 0″.64 (M–v) 1951–1996 e 0.1750062 i 13.54078

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7049) 1981 UV$_{21}$ Obs. 33 M 190.70449 ω 358.94837
H 14.3 G 0.15 U 1 Opp. 7 n 0.29367324 Ω 93.80462
rms res. 0″.65 (M–v) 1951–1996 e 0.1181060 i 2.78791

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7075) 1979 SN$_4$ Obs. 45 M 30.74666 ω 163.86839
H 12.8 G 0.15 U 1 Opp. 5 n 0.22517634 Ω 176.34133
rms res. 0″.77 (M–v) 1978–1996 e 0.1751131 i 12.53416

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7158) 1981 ES$_8$ Obs. 47 M 199.05994 ω 161.92563
H 12.4 G 0.15 U 1 Opp. 10 n 0.18838061 Ω 207.36156
rms res. 0″.72 (M–v) 1951–1997 e 0.1093016 i 9.65912

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7205) 1995 YE$_1$ Obs. 32 M 344.13690 ω 335.33725
H 12.5 G 0.15 U 1 Opp. 5 n 0.23130551 Ω 275.50585
rms res. 0″.78 (M–v) 1977–1997 e 0.1192986 i 1.67202

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7208) 2645 P-L Obs. 36 M 312.74302 ω 123.53373
H 13.9 G 0.15 U 1 Opp. 5 n 0.30877606 Ω 105.15610
rms res. 0″.86 (M–v) 1960–1997 e 0.0714529 i 2.19366

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bowell

(7334) 1988 QV Obs. 41 M 117.53312 ω 177.46242
H 13.7 G 0.15 U 1 Opp. 6 n 0.26293210 Ω 157.09738
rms res. 0″.61 (M–v) 1962–1996 e 0.1447269 i 6.51599

(7626)∗ 1976 QL$_2$ = 1988 TS$_2$

Discovered 1976 Aug. 20 at El Leoncito.

Id. S. Nakano (*MPC* 14185)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	174.61938	(2000.0)		**P**		**Q**	
n	0.17516150	ω	7.59900	+0.72882800		−0.67726790	
a	3.1635663	Ω	35.70932	+0.61878382		+0.58862935	
e	0.0933984	i	9.92367	+0.29311488		+0.44138836	
P	5.63	H	12.4	G 0.15		U 1	

Residuals in seconds of arc

760820	808	0.5+	1.2−	881014	046	2.1+	0.0	941127	675	0.6+	1.7+
760820	808	0.7+	2.2−	881016	046	1.6−	1.5+	941227	292	1.1+	0.6+
760823	808	1.6−	0.0	881016	046	(3.0+	0.8−)	941227	292	0.2−	0.1+
760823	808	1.4+	0.1−	881103	033	0.2−	0.7−	970414	691	0.3−	0.2+
760828	808	0.5+	1.4+	881103	033	0.3−	0.9−	970414	691	0.3−	0.2−
760828	808	0.6+	0.6+	881104	033	0.2−	0.7−	970414	691	0.7−	0.3−
760830	808	0.8−	0.3+	930721	675	0.1+	0.5+	970429	691	0.1−	0.1+
760830	808	0.2+	0.9+	930721	675	0.4−	0.7−	970429	691	0.4−	0.4−
881011	046	(0.1−	2.6−)	930815	675	0.1+	0.5+	970429	691	0.2−	0.0
881012	046	0.3−	2.2−	930815	675	0.5+	1.1+	970508	691	0.1+	0.2−
881013	675	1.0−	0.5−	941127	292	0.2+	1.8−	970508	691	0.0	0.2−
881013	675	0.6−	0.1+	941127	292	0.3+	0.6−	970508	691	0.2+	0.2−
881014	046	(4.5+	0.9−)	941127	675	0.4+	0.8+				

(7627)∗ 1977 DS$_4$ = 1989 UX$_6$

Discovered 1977 Feb. 18 by H. Kosai and K. Hurukawa at the Kiso Station of the Tokyo Astronomical Observatory.

Id. T. Kobayashi (*MPC* 15699)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	287.98568	(2000.0)		**P**		**Q**	
n	0.20207887	ω	249.67185	+0.35386788		+0.93432043	
a	2.8759993	Ω	41.13193	−0.83208779		+0.33533610	
e	0.1058950	i	3.72146	−0.42709184		+0.12080989	
P	4.88	H	13.3	G 0.15		U 1	

Residuals in seconds of arc

540630	675	0.3−	0.3−	891104	675	1.2+	0.2+	960103	327	0.1+	0.8+
540630	675	0.5+	0.0	891104	675	1.4−	1.2−	960103	327	0.1−	0.3+
770218	381	0.8+	0.5+	891124	675	1.1−	0.5−	960103	327	0.9+	0.4+
770218	381	1.1+	1.5−	891124	675	0.1+	1.1−	970403	704	0.3−	0.4−
770219	381	0.5−	0.2+	941104	675	1.3+	0.5−	970403	704	0.6+	0.0
770219	381	0.9−	0.7−	941104	675	1.3+	0.8−	970405	704	0.6+	0.6+
770312	381	0.7−	0.4+	941106	675	0.0	0.1−	970405	704	0.4−	0.3+
770312	381	1.1−	0.6−	941128	675	0.7+	1.0−	970406	704	0.8+	0.1+
890930	675	1.3+	1.0+	941128	675	(2.6+	0.8−)	970406	704	1.1+	0.4−
890930	675	1.4+	0.5−	941129	691	1.6−	0.6+	970407	704	0.4+	0.6−
891026	372	(3.6−	2.8−)	941129	691	1.5−	1.2+	970407	704	0.4+	0.1−
891026	372	(0.0	6.7−)	941129	691	0.4−	0.9+	970506	691	1.5−	0.7−
891030	372	(3.0−	1.2−)	941130	675	0.7+	0.9+	970506	691	1.5−	0.4−
891030	372	0.8−	0.7+	941130	675	1.4+	1.2−	970506	691	1.6−	0.6−
891103	675	0.1−	1.6−	941203	675	1.6−	0.0				
891103	675	0.6+	0.4−	941203	675	0.5−	0.2−				

(7628)∗ 1977 QY = 1955 QQ$_1$ = 1986 TA$_{11}$ = 1990 QS

Discovered 1977 Aug. 19 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. G. V. Williams (*MPC* 17197)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	168.06304	(2000.0)		**P**		**Q**	
n	0.22450768	ω	25.79853	+0.98678159		−0.14739218	
a	2.6811138	Ω	342.28376	+0.08123549		+0.80957007	
e	0.1797884	i	12.78921	+0.14022444		+0.56821814	
P	4.39	H	12.4	G 0.15		U 1	

Residuals in seconds of arc

550826	024	(12.2−	2.3+)	900924	675	0.5+	0.7+	951121	604	0.3−	0.1−
770819	095	0.1+	0.2+	950825	801	1.0+	0.6−	951220	604	0.2−	0.1+
770820	095	0.7−	1.3−	950825	801	0.8+	0.8−	951220	604	0.0	0.4+
770822	095	0.6+	0.8−	950830	801	1.0+	0.1+	951220	604	0.5+	1.4+
770824	095	0.4+	1.6+	950830	801	1.2+	0.1+	951226	604	0.1−	0.3+
861003	095	(4.2−	0.3+)	950928	801	0.0	0.3+	951226	604	0.8−	0.1+
900819	675	2.0−	1.2+	950928	801	0.1−	0.2+	951226	604	0.1+	0.4+
900819	675	(3.3−	1.2+)	950929	801	0.2−	0.1+	951226	604	0.3−	0.9−
900821	675	(2.9−	1.5+)	950929	801	0.1+	0.0	951226	604	0.9−	0.8−
900821	675	(2.6−	1.0+)	951112	072	0.9−	0.1+	970226	689	2.1+	0.2+
900915	675	0.4−	0.1+	951112	072	0.9−	0.2−	970429	704	0.7−	1.1+

900915	675	(0.6+	2.6−)	951121	604	0.5+	0.0	970429	704	0.1+	0.5−
900922	675	0.0	1.4−	951121	604	0.1−	0.0	970429	704	0.5−	0.3+
900922	675	0.5−	1.0+	951121	604	0.4+	0.1−	970429	704	0.1+	0.3+
900924	675	0.9+	0.5+	951121	604	0.5+	0.2+				

(7629)∗ 1977 QK$_1$ = 1977 RW$_2$ = 1977 TQ$_2$ = 1948 TB$_2$ = 1988 TF

Discovered 1977 Aug. 19 by N. S. Chernykh at the Crimean Astrophysical Observatory.

Id. H. Oishi (d, *JAM* 2000), S. Nakano (*MPC* 13684)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	139.92549		(2000.0)		**P**	**Q**	
n	0.27078767	ω	24.83590		+0.98458946	−0.17467814	
a	2.3661928	Ω	345.21667		+0.15442142	+0.89102395	
e	0.2334952	i	1.89434		+0.08208301	+0.41900343	
P	3.64	H	14.0	G	0.15	U	2

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

481011	094	(0.02−	0.05+)X	881013	399	1.3+	0.5+	921102	033	0.2−	0.9+
770819	095	(2.7−	0.9+)	881013	399	0.6+	0.1−	921229	033	0.6−	0.6+
770820	095	0.3+	1.1+	881013	399	1.6+	0.5−	921230	033	0.4−	0.5+
770821	095	1.4−	2.0−	881013	888	(1.4−	5.7+)	951018	327	0.2−	0.5−
770823	095	(0.02+	0.07+)	881013	888	(3.3−	4.7+)	951018	327	0.4−	0.3+
770909	675	0.2+	0.1−	881015	399	1.0−	0.7−	951018	327	0.1+	0.1−
770909	095	0.5−	0.7−	881015	888	(2.6−	1.1−)	970130	098	0.2+	0.1+
770910	675	0.9+	0.3+	881015	888	(2.4−	0.3−)	970131	098	1.9+	1.4−
771007	095	1.0+	0.3−	881016	399	1.0+	0.2+	970207	098	1.3−	1.5−
881003	399	1.7−	0.4+	881016	399	(0.5−	2.5+)	970207	098	(2.5−	1.6−)
881003	399	0.1+	0.4+	881018	399	1.0+	0.3−	970207	098	0.4−	0.6−
881003	399	1.9−	0.4+	881018	399	0.0	0.1+	970207	098	0.6−	1.0−
881003	399	1.1−	0.8−	881019	399	1.6+	0.3+	970305	704	1.1+	0.9−
881005	399	0.7−	0.1−	881019	399	0.6+	0.0	970306	704	1.1+	0.7+
881005	399	1.2+	1.1+	881019	399	0.3+	2.0+	970306	704	0.6+	0.4+
881005	399	1.2−	2.0−	881106	399	0.3−	0.4+	970307	098	0.4−	0.6+
881007	675	0.3+	0.7−	881106	399	0.7+	0.5−	970307	098	1.3−	0.2−
881007	675	0.4+	1.1−	921024	033	0.2+	0.9+	970310	098	0.1−	1.3−
881013	675	0.4−	0.1+	921101	033	0.1+	0.5+	970310	098	(0.2+	2.2−)
881013	675	0.8−	0.3−	921101	033	0.2−	1.1+	970312	098	1.8−	0.8−

(7630)∗ 1979 MR$_2$ = 1994 RN$_{10}$

Discovered 1979 June 25 by E. F. Helin and S. J. Bus at Siding Spring.

Id. G. V. Williams (*MPC* 23969)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	175.42640		(2000.0)		**P**	**Q**	
n	0.20571343	ω	177.02462		+0.83944229	−0.54329504	
a	2.8420232	Ω	215.89332		+0.49814816	+0.77875921	
e	0.0881990	i	1.26355		+0.21722121	+0.31363129	
P	4.79	H	13.3	G	0.15	U	1

Residuals in seconds of arc

790623	413	0.2+	0.2+	940912	691	0.1−	0.8+	960113	608	0.3−	0.6+
790624	413	0.9+	0.4+	940912	691	0.5+	0.4+	960113	608	0.1−	0.5+
790625	413	0.1+	1.2+	940912	691	0.1+	0.3+	970312	809	0.7+	1.5+
790724	675	1.7−	0.2−	940914	691	0.3−	0.1−	970312	809	0.8+	0.6+
790724	413	0.5+	0.2−	940914	691	0.5−	0.2+	970312	809	0.1+	0.5−
790725	675	2.3−	0.2−	940914	691	0.5−	0.2+	970411	704	0.1−	0.1+
790727	675	2.3+	1.1−	960108	608	0.2+	0.4−	970411	704	0.8−	0.1−
790823	675	0.1+	0.2−	960108	608	0.2+	0.3−				

(7631)∗ 1981 WH = 1975 BJ

Discovered 1981 Nov. 20 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. K. Hurukawa (*JAM* 1952), C. M. Bardwell (*MPC* 21564), L. D. Schmadel (*ibid.*), E. Bowell

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bardwell

M	87.93074		(2000.0)		**P**	**Q**	
n	0.26972591	ω	273.76745		+0.63968474	−0.76710263	
a	2.3723983	Ω	136.33699		+0.73017710	+0.58673397	
e	0.2812731	i	4.03227		+0.24009341	+0.25941628	
P	3.65	H	14.2	G	0.15	U	2

Residuals in seconds of arc

530109	675	0.0	0.2+	811202	688	0.9−	0.3−	970217	327	0.3−	0.0
530109	675	(2.2−	3.1+)	811202	688	1.2+	0.8−	970217	327	0.5−	0.1−
750117	095	(0.3−	4.1−)	811218	688	(0.4−	3.4−)	970217	327	1.0−	0.2−
811007	095	1.0−	0.9−	811218	688	(0.9+	3.1−)	970304	704	0.9+	0.2−
811022	095	0.9+	0.2−	921021	675	0.6−	0.7+	970304	704	1.2+	0.4−
811024	330	0.4−	0.5−	921021	675	0.1−	1.2+	970305	704	0.8+	0.5−
811024	095	2.0+	0.9−	921031	894	0.7−	0.4+	970305	704	0.5+	0.6−
811027	095	0.8+	0.2+	921031	894	0.5−	0.3+	970306	704	1.4+	0.2+
811028	095	0.7+	0.6−	921128	675	0.6+	1.1+	970306	704	0.6+	0.1−
811029	330	(3.1−	0.3−)	921128	675	0.4+	0.4+	970315	327	0.1−	0.5−
811117	330	0.6−	0.1+	970206	327	1.0−	0.6+	970315	327	0.4−	0.2−
811120	688	(3.7−	0.9+)	970206	327	1.2−	0.6+	970315	327	0.1−	0.6−
811120	688	1.6−	0.6−	970206	327	0.6−	0.6+				

(7632)∗ 1982 UT$_5$ = 1972 TC$_1$ = 1984 FP

Discovered 1982 Oct. 20 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. T. Kobayashi (*MPC* 15882)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	113.70474		(2000.0)		**P**	**Q**	
n	0.29691700	ω	202.79764		+0.39024341	−0.91979007	
a	2.2252527	Ω	224.26204		+0.85357133	+0.37819288	
e	0.0906882	i	3.38306		+0.34514644	+0.10467270	
P	3.32	H	14.0	G	0.15	U	2

Residuals in seconds of arc

721007	095	0.5−	0.4−	921001	801	0.3+	0.2−	950822	801	0.2−	0.1−
821020	095	0.5−	0.2−	921001	801	0.0	0.5−	950822	801	0.0	0.2−
821024	095	0.1−	0.5+	921022	801	0.3−	0.1+	950825	801	0.0	0.1−
821108	095	0.4+	2.4+	921022	801	0.1−	0.1−	950825	801	0.2+	0.3−
840331	688	1.9+	1.7−	921025	894	0.4+	1.4−	951024	801	1.6+	0.2+
840331	688	(2.8+	3.2−)	921025	894	0.1−	0.0	951025	801	1.5+	0.3−
910606	809	0.2−	0.7+	921026	894	1.7−	1.3−	970309	689	0.3−	0.2+
910606	809	0.6+	0.1−	921026	894	1.8−	1.6−	970428	704	0.2−	0.2−
910606	809	0.1+	1.1+	921028	801	0.3+	0.0	970428	704	0.2−	0.4−
910608	809	0.4−	0.5−	921028	801	1.0+	0.5−	970428	704	0.1−	0.8−
910608	809	1.4−	0.5−	921031	364	0.4+	0.2−	970428	704	0.2−	1.3−
910608	809	1.4−	0.8−	921031	364	1.4+	1.4+	970428	704	(2.9−	1.9−)

(7633)∗ 1982 UD$_7$ = 1986 UF

Discovered 1982 Oct. 21 by L. G. Karachkina at the Crimean Astrophysical Observatory.

Id. H. Oishi (*JAM* 2028), E. Bowell

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	243.83694		(2000.0)			
n	0.23977874	ω	139.14527		+0.95611462	+0.28875746
a	2.5660332	Ω	204.20760		−0.29031057	+0.91079478
e	0.2126565	i	6.95304		−0.03955503	+0.29507964
P	4.11	H	13.3	G	0.15	U 2

Residuals in seconds of arc

531031 675	0.4+	1.0−	861111 887	0.6−	1.9+	940713 801	0.0	0.4+
531031 675	0.5+	0.6−	861126 881	(3.1−	0.2+)	940713 801	0.2−	0.7+
821021 095	(1.1−	2.6−)	861126 881	0.6−	0.5+	940903 801	0.4−	0.2+
821023 095	1.1−	1.1+	861204 688	1.1+	0.2+	940903 801	0.7−	0.1+
821112 095	0.8−	1.2−	861204 688	0.4+	1.2−	940906 596	0.2−	0.4−
861004 095	1.4−	0.5−	890507 675	0.3−	0.0	940906 596	0.2−	0.1−
861007 095	1.7−	1.0+	890507 675	1.3−	0.8+	940906 596	0.2−	0.6+
861012 095	0.1−	1.6−	901010 403	(3.2−	2.1−)	940908 801	0.1−	0.2+
861030 881	(2.7+	2.0+)	901010 403	(3.6−	1.5−)	940908 801	0.3−	0.3+
861030 881	(2.8+	2.3+)	901013 046	1.1+	1.9−	970312 809	0.1−	0.7+
861102 881	(3.2+	0.1−)	901014 046	(3.1−	1.0+)	970312 809	0.1−	1.6+
861102 881	1.0+	0.1−	901014 046	(0.4−	3.4+)	970312 809	0.9−	0.1+
861104 675	(7.0−	0.1−)	901020 801	0.4+	0.5+	970313 809	0.2+	1.3+
861104 675	(6.9−	0.2−)	901020 801	0.4+	0.7+	970313 809	0.7+	1.4+
861105 881	0.9−	1.2+	901021 801	0.5+	0.7+	970313 809	0.2−	1.5+
861105 881	2.1−	1.5+	901021 801	0.6+	0.6+	970403 704	0.3+	1.5−
861106 688	0.6+	0.9−	901023 095	1.1+	0.9+	970403 704	1.1+	0.5−
861106 688	1.9+	1.7+	901120 801	0.1−	0.7−	970411 704	0.4+	1.0−
861111 887	(3.3−	2.4−)	901120 801	0.1−	0.6−	970411 704	1.5+	0.5−

(7634)∗ 1982 VO$_3$ = 1995 CT

Discovered 1982 Nov. 14 by H. Kosai and K. Hurukawa at the Kiso Station of the Tokyo Astronomical Observatory.

Id. G. V. Williams (*MPC* 24733)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	237.13833		(2000.0)			
n	0.17394168	ω	270.05407		+0.99749350	−0.05442051
a	3.1783394	Ω	93.06559		+0.06789484	+0.91610545
e	0.1974535	i	2.59569		−0.01992494	+0.39722691
P	5.67	H	13.5	G	0.15	U 1

Residuals in seconds of arc

821114 381	0.2+	0.4+	950202 104	0.2+	0.1+	970408 704	1.0−	0.9+
821114 381	0.7+	0.6−	950203 104	0.0	0.3−	970430 704	0.3+	0.4−
821213 381	0.3−	0.0	950203 104	0.5+	0.6−	970430 704	0.9+	0.3+
821213 381	0.2+	0.3+	950203 104	0.5+	0.9−	970430 704	0.8+	0.6−
821214 381	0.1−	0.5−	950205 104	1.3+	1.0−	970430 704	0.8+	0.2+
821214 381	0.3−	0.0	950205 104	0.3+	0.4−	970430 704	1.4−	0.8−
910414 675	0.6−	0.1+	950205 104	0.2−	0.1+	970501 704	0.1+	0.1−
910517 675	0.5−	1.2+	950206 104	0.5+	0.6+	970501 704	0.1−	0.3−
941129 691	1.2−	0.0	950206 104	0.5−	0.3+	970501 704	0.7+	0.2−
941129 691	1.7−	0.0	950206 104	0.9−	0.0	970501 704	0.0	0.2−
941129 691	1.3−	0.2+	960126 691	0.0	0.9−	970501 704	0.3+	0.1+
950201 104	0.4−	0.1+	960126 691	0.3+	1.2−	970505 704	0.3+	0.2−
950201 104	0.2+	0.7+	960126 691	0.5+	1.1−	970505 704	0.4+	0.1−
950201 104	0.4+	0.9+	970402 704	0.4+	0.1+	970505 704	0.5−	0.4+
950201 104	1.0+	1.8+	970402 704	1.0−	1.3+	970505 704	0.5+	0.4−
950202 104	0.4−	0.3+	970406 704	0.5+	0.6+	970505 704	0.1+	0.7−
950202 104	0.0	0.2+	970406 704	1.1−	0.1+			
950202 104	0.4+	0.1+	970408 704	0.7−	0.7+			

(7635)∗ 1983 VH$_1$ = 1994 VA$_3$

Discovered 1983 Nov. 6 by A. Mrkos at Kleť.

Id. S. Nakano (*MPC* 24559)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	Q
M	183.29581		(2000.0)			
n	0.18251064	ω	320.09033		+0.76193284	−0.61938003
a	3.0780613	Ω	79.21847		+0.63246126	+0.64863796
e	0.1108930	i	11.10927		+0.13946723	+0.44230891
P	5.40	H	11.4	G	0.15	U 1

Residuals in seconds of arc

540528 675	0.1−	0.5+	950131 046	0.5+	0.2−	960225 046	0.5−	1.1+
540528 675	0.4+	0.1+	950131 046	0.4+	0.1+	960225 046	0.6−	1.0+
831106 046	(3.7−	2.7−)	950212 046	0.3+	0.2−	960502 046	0.3+	0.0
831106 046	(1.9−	3.0−)	950212 046	0.0	0.3−	960502 046	0.3+	0.0
831107 046	(0.3−	3.5−)	950212 046	0.3−	0.4+	960502 046	0.3+	0.3−
831107 046	(3.0−	2.9−)	950301 046	0.5+	0.5−	960505 046	0.5+	0.0
831108 046	(1.1−	3.4−)	950301 046	0.4−	0.7−	960505 046	0.3+	0.3+
831108 046	(2.0−	4.3−)	950301 046	1.1+	0.9−	960505 046	0.1−	1.1+
831109 046	(0.6−	3.5−)	951218 046	0.1−	0.6−	970210 046	0.4+	0.0
831109 046	(1.0−	4.3−)	951218 046	0.1−	0.5−	970210 046	0.3+	0.3−
941104 400	0.5−	1.6+	951228 046	0.4−	0.1+	970210 046	0.3+	0.2−
941104 400	1.4+	0.1−	951228 046	0.2−	0.1+	970502 691	1.1−	0.2+
941106 400	1.3+	0.7+	951228 046	0.3−	0.3+	970502 691	1.0−	0.2+
941106 400	0.3+	0.4−	960116 046	0.4−	0.2−	970502 691	0.7−	0.5+
941129 400	1.0+	0.8−	960116 046	0.3−	0.2−	970505 046	0.2−	0.4−
941129 400	1.1+	0.1+	960116 046	0.3−	0.3−	970505 046	0.0	0.5−
941208 691	0.8−	0.0	960117 046	0.3−	0.0	970505 046	0.0	0.6−
941208 691	0.8−	0.2−	960117 046	0.6+	0.0	970510 691	0.6−	0.2+
941208 691	0.5−	0.5−	960117 046	0.9+	0.1+	970510 691	0.3−	0.1−
941210 691	1.2−	0.4−	960223 046	0.8+	0.1−	970510 691	0.7−	0.1−
941210 691	1.2−	0.3−	960223 046	0.4+	0.5−	970516 046	0.6+	0.4−
941210 691	1.1−	0.2−	960223 046	0.6+	0.4−	970516 046	0.7+	0.6−
950131 046	0.2+	0.4+	960225 046	0.6−	1.0+	970516 046	1.1+	0.9−

(7636)∗ 1984 CM = 1993 HH$_6$

Discovered 1984 Feb. 5 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. G. V. Williams (*MPC* 22589)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	105.28019		(2000.0)			
n	0.23501349	ω	61.76278		+0.03342676	−0.99648503
a	2.6006037	Ω	26.65620		+0.84646537	−0.01263691
e	0.0824706	i	9.85844		+0.53139348	+0.08281240
P	4.19	H	12.6	G	0.15	U 2

Residuals in seconds of arc

840128	688	1.1+	0.4+	911203	675	(3.6−	1.0−)	940712	675	0.5+	0.1+
840128	688	(4.5+	0.6−)	930324	675	0.4+	0.3+	940712	675	(3.9+	2.4+)
840205	688	1.6−	0.5+	930429	809	0.5+	0.6+	970309	689	0.2−	0.3−
840205	688	1.4−	0.7−	930429	809	1.1+	1.1+	970310	689	0.3+	1.2−
840226	688	1.7+	0.3+	930501	809	0.7−	0.4+	970408	801	0.7−	0.1−
840226	688	0.9+	0.6−	930501	809	0.9−	0.2−	970408	801	0.8+	0.1+
911203	675	0.5−	0.4+	930501	809	1.0−	0.4−				

(7637)∗ 1984 DN = 1988 AC$_5$

Discovered 1984 Feb. 23 by H. Debehogne at the European Southern Observatory.

Id. C. M. Bardwell (*MPC* 13464)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Bardwell

M	84.68518		(2000.0)		**P**	**Q**	
n	0.24137050	ω	2.70607		−0.90352469	−0.42407403	
a	2.5547393	Ω	151.94489		+0.39067022	−0.87426633	
e	0.2162106	i	7.53568		+0.17612473	−0.23626174	
P	4.08	H	13.2	G	0.15	U	2

Residuals in seconds of arc

840223	809	0.3−	0.8−	840306	809	0.1+	0.4+	880122	809	0.8+	0.3+
840223	809	0.1+	0.6−	840306	809	1.1−	0.2+	880123	809	0.0	0.7+
840223	809	0.5+	0.8−	840306	809	0.6−	0.1−	880123	809	0.4+	0.9+
840225	809	0.9−	0.6−	840306	809	0.3−	0.1−	880124	809	0.0	1.2+
840225	809	0.4−	0.7−	840307	809	0.1−	0.2−	880124	809	0.7+	1.2+
840225	809	0.4−	0.3−	840307	809	0.2+	0.1−	880124	809	1.0+	1.2+
840227	809	0.2−	0.4+	840307	809	0.5+	0.1+	880126	809	0.2−	0.1+
840227	809	0.2+	0.4+	840307	809	0.4+	0.1−	880126	809	0.1+	0.5+
840227	809	0.4+	0.3+	840307	809	0.2+	0.4−	880127	809	0.4−	1.0+
840229	809	0.9−	0.5−	840307	809	0.1+	0.4+	880127	809	0.5−	0.4+
840229	809	0.8−	0.1−	840308	809	0.3+	0.4+	880128	809	0.4−	0.3+
840229	809	0.5−	0.1+	840308	809	0.1+	0.1+	880129	809	0.5−	0.6+
840301	809	0.3−	0.4−	840308	809	0.4+	0.2−	880130	809	0.8−	1.3+
840301	809	0.2−	0.6−	840308	809	0.0	0.1−	920110	675	(2.4+	1.4−)
840301	809	0.1+	0.5−	840308	809	0.1−	0.0	920110	675	(0.1+	2.2−)
840302	809	0.3−	0.4−	840308	809	0.1−	0.1+	920111	675	0.2+	1.3−
840302	809	0.0	0.1−	840309	809	0.2+	0.1−	920111	889	(2.2−	0.6+)
840302	809	0.2+	0.4−	840309	809	0.4+	0.4+	920111	889	0.5−	0.9+
840304	809	0.0	0.4−	840309	809	0.7+	0.0	920206	801	0.5+	0.3+
840304	809	0.2+	0.2−	840309	809	0.2+	0.8−	920206	801	0.4+	0.4+
840304	809	0.4+	0.2−	840309	809	0.2+	0.3−	940912	675	0.7+	0.7−
840304	809	0.5+	0.1−	840309	809	0.8+	0.3−	940912	675	0.4−	0.5−
840304	809	0.5+	0.4−	840311	809	0.0	0.3−	951022	801	0.3−	0.4−
840304	809	0.3+	0.5−	840311	809	0.4+	0.1+	951022	801	0.3+	0.2−
840305	809	1.0−	0.1−	840311	809	0.2+	0.2+	951123	801	0.3+	1.0−
840305	809	0.9−	0.2−	840311	809	0.3+	0.3−	951123	801	0.3+	0.3−
840305	809	0.6−	0.1−	840311	809	0.2+	0.1−	951125	801	0.2−	0.8−
840305	809	0.0	0.2+	840311	809	0.2+	0.2−	951218	801	0.1+	0.7−
840305	809	0.0	0.6+	880113	809	0.2−	0.3−	951218	801	0.1+	0.3−
840305	809	0.1−	0.3+	880113	809	0.3−	0.1−	951223	801	0.1−	0.5−
840305	095	(1.5+	4.5−)	880113	809	0.4−	0.3−	951223	801	0.1−	0.8−
840306	809	0.1−	0.1+	880122	809	0.1−	0.5+				
840306	809	0.2+	0.0	880122	809	0.4+	0.4+				

(7638)∗ 1984 UX = 1969 AF = 1988 UN

Discovered 1984 Oct. 26 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. S. Nakano (*MPC* 13857)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	48.82735		(2000.0)		**P**	**Q**	
n	0.24377476	ω	22.17809		+0.84383996	−0.53617006	
a	2.5379139	Ω	10.32544		+0.47269990	+0.72394209	
e	0.3151531	i	6.84072		+0.25394668	+0.43408469	
P	4.04	H	13.2	G	0.15	U	2

Residuals in seconds of arc

690115	095	(2.9+	4.3+)	920731	801	0.4+	0.3+	960919	711	0.0	0.2−
841026	688	(3.0−	1.4−)	920731	801	0.3+	0.3+	960920	711	0.1−	0.0
841026	688	(0.0	2.4−)	920803	801	0.2−	0.1+	960920	711	0.2−	0.0
841120	675	1.3−	0.8+	920803	801	0.4−	0.1+	961011	711	1.4−	0.5−
841120	688	1.8−	2.0−	920826	801	1.2+	0.3+	961011	711	0.3−	0.2−
841120	688	0.4+	1.7−	920826	801	0.8+	0.1+	961013	711	0.2−	0.2−
841121	675	1.1−	1.0+	920828	596	0.0	0.0	961013	711	0.2−	0.2−
841122	330	(4.8+	1.6+)	920828	596	(4.6+	0.1+)	961111	689	0.8−	1.5−
841127	688	1.3+	1.0−	920829	596	2.0+	0.2−	961115	711	0.7−	0.0
881030	897	0.3+	0.8+	920829	596	1.3−	0.0	961115	711	0.7−	0.1+
881030	897	0.8+	0.7+	920930	801	0.0	0.3+	961115	711	0.6−	0.3−
881102	897	0.6+	0.2+	920930	801	0.1+	0.3+	961201	689	(2.2−	0.4−)
881102	897	0.6+	0.1+	921020	675	0.3+	0.7+	961227	327	0.3−	0.3+
881108	391	(7.8−	4.5−)	921020	675	0.0	0.8+	961227	327	0.2+	0.2−
881108	391	(6.9−	4.6−)	921021	894	1.8+	0.7−	961227	327	0.3−	0.3+
881109	391	0.6−	0.1+	921021	894	1.1+	1.5−	961230	689	1.3+	0.1+
881109	391	1.1−	0.4+	921022	675	0.5+	0.3+	970109	689	0.3−	0.6+
881109	391	(2.8−	2.9−)	921022	675	0.4+	1.0+	970110	689	0.1−	0.4+
881109	391	(1.9−	3.0−)	940404	675	0.2+	0.2+	970125	327	0.0	0.0
881110	391	1.5+	0.1−	940404	675	0.2+	0.5−	970125	327	0.2+	0.1+
881111	391	1.9−	0.5+	960919	711	0.1−	0.1−	970125	327	0.2+	0.0

(7639)∗ 1985 DC$_1$ = 1991 GK$_2$

Discovered 1985 Feb. 21 at the Oak Ridge Observatory.

Id. B. G. Marsden (*MPC* 18425)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	38.02645		(2000.0)		**P**	**Q**	
n	0.17137588	ω	21.11216		−0.99885613	−0.04759752	
a	3.2099844	Ω	156.15829		+0.04209090	−0.92058783	
e	0.1396383	i	0.64801		+0.02268872	−0.38762419	
P	5.75	H	13.5	G	0.15	U	1

Residuals in seconds of arc

491125	675	2.1+	1.4−	850224	809	0.3+	0.6+	930813	675	1.4−	0.0
491125	675	1.4+	0.6−	850224	809	0.2+	0.5+	941129	691	0.3−	0.5+
850214	809	0.8−	0.2+	850226	809	0.4+	0.2+	941129	691	0.1+	0.4+
850214	809	0.7−	0.2+	850226	809	0.6+	0.3+	941129	691	0.1+	0.2+
850214	809	0.6−	0.5+	850226	809	0.7+	0.4+	951227	411	0.0	0.6−
850216	809	0.4−	0.5+	850227	809	1.1+	0.8−	951227	411	1.1+	0.2+
850216	809	0.2−	0.4+	850227	809	1.4+	0.8−	970402	704	0.5+	1.2+
850216	809	0.0	0.0	850227	809	1.3+	1.1−	970402	704	0.2+	1.4+
850217	809	1.0−	0.0	850228	809	0.7+	0.8+	970407	704	0.2+	0.2−
850217	809	0.9−	0.1+	850228	809	0.9+	0.8+	970407	704	0.8+	0.6+

850217	809	0.7−	0.0	910309	675	0.8−	0.1+	970427	816	0.4− 0.2−
850218	809	0.7−	0.4+	910309	675	0.7−	0.4−	970427	816	0.4− 0.4−
850218	809	0.5−	0.3+	910320	809	1.2−	0.0	970427	816	0.4− 0.1−
850218	809	0.1−	0.2+	910320	809	1.1−	0.1+	970427	816	0.4− 0.4−
850219	809	1.1−	0.3−	910320	809	1.2−	0.2+	970427	816	0.2− 0.1−
850219	809	1.4−	0.4−	910321	809	0.2−	0.3+	970430	704	1.0+ 0.5−
850219	809	1.6−	0.2−	910321	809	0.0	0.6+	970430	704	1.1+ 0.2+
850220	809	2.2−	0.5−	910321	809	0.1+	0.6+	970430	704	1.0+ 0.2−
850220	809	1.9−	0.6−	910408	809	1.1+	1.6+	970430	704	1.0+ 0.0
850220	809	1.6−	0.7−	910408	809	0.5−	0.6+	970430	704	1.2+ 0.6−
850221	809	0.3−	0.7+	910408	809	(3.6−	1.0+)	970501	704	0.8+ 0.3−
850221	809	0.2−	0.6+	910410	809	1.3−	0.8−	970501	704	0.6+ 0.3−
850221	801	0.9+	1.2−	910410	809	(2.4−	2.0−)	970501	704	0.7+ 0.3−
850221	809	0.1−	0.5+	910410	809	(3.4−	1.4−)	970501	704	0.7+ 0.3−
850222	809	1.1+	0.3+	910415	675	1.0−	0.9−	970501	704	0.8+ 0.1+
850222	809	1.5+	0.6+	910415	675	0.1−	0.7+	970505	704	0.7+ 0.3−
850222	809	1.4+	0.8+	910419	809	0.8−	0.2−	970505	704	0.6+ 0.2−
850223	809	1.0+	0.0	910419	809	1.2−	0.2−	970505	704	0.7+ 0.6−
850223	809	0.9+	0.1−	910419	809	1.7−	1.1−	970505	704	0.9+ 0.6−
850223	809	0.6+	0.3−	910420	675	0.4−	0.2+	970505	704	0.5+ 0.6−
850224	809	0.5+	0.8+	910420	675	0.6−	0.2+			

(7640)∗ 1985 PX = 1982 VL$_2$

Discovered 1985 Aug. 14 by E. Bowell at the Anderson Mesa Station of the Lowell Observatory.

Id. S. Nakano (*MPC* 29094)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	257.42106		(2000.0)		**P**	**Q**	
n	0.30391426	ω	143.22787		+0.36147628	+0.93112819	
a	2.1909644	Ω	147.88209		−0.87562869	+0.35682357	
e	0.1785217	i	5.21491		−0.32032687	+0.07534739	
P	3.24	H	14.3	G	0.15	U	2

Residuals in seconds of arc

531010	675	0.1+	0.5+	910416	675	0.2−	0.6−	970207	098	0.4+ 0.5−
821114	381	0.0	0.4+	910515	675	0.0	0.2−	970207	098	1.3− 0.3−
821114	381	1.1−	0.7+	910515	675	0.1−	0.4+	970207	098	0.5− 0.3−
850814	688	0.3+	1.4+	940216	411	0.4−	0.4+	970303	098	1.8− 1.8−
850814	688	0.7−	0.0	940216	411	0.2+	2.1+	970303	098	1.9− 0.8−
850820	688	0.6−	0.6−	970130	411	0.8+	0.3+	970305	704	1.0+ 0.5+
850820	688	(0.2+	3.0−)	970130	411	0.3−	0.6−	970306	704	2.0+ 0.8+
850914	688	0.4+	1.8−	970131	411	0.1−	0.2+	970306	704	1.6+ 0.0
850914	688	1.4+	0.5−	970131	411	0.3+	0.7−			
910416	675	0.3+	0.2+	970207	098	0.1−	0.2−			

(7641)∗ 1986 TT$_6$ = 1986 VP$_5$ = 1975 VT$_5$ = 1975 XS$_4$ = 1991 HY = 1996 RN$_{26}$

Discovered 1986 Oct. 5 by M. Antal at Piwnice.

Id. F. N. Bowman (d, *MPC* 11723), T. B. Spahr (*MPC* 28070), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	264.97375		(2000.0)		**P**	**Q**	
n	0.08255471	ω	226.03882		−0.19747962	−0.84167965	
a	5.2236589	Ω	242.04584		+0.98007208	−0.18073571	
e	0.0550970	i	34.67735		−0.02145984	−0.50883197	
P	11.94	H	9.3	G	0.15	U	1

Residuals in seconds of arc

751103	095	1.4+	2.1+	861010	092	0.2−	0.3−	920404	675	0.4+ 0.0
751203	095	(5.5+	8.4−)	861011	092	0.1+	0.1+	960908	693	1.1− 0.5+
861005	092	0.5−	0.1+	861012	092	0.1+	0.2+	960908	693	1.1+ 0.8−
861005	092	0.6−	0.2+	861105	688	0.6+	1.2+	960908	693	1.0+ 1.6+
861009	092	0.7−	0.4−	861105	688	1.5+	0.9−	960908	693	0.1− 0.7+
861009	092	0.1−	0.5−	910420	413	0.1+	0.7+	961007	693	0.8− 0.5−
861009	092	0.7−	0.4−	910420	413	(5.2−	3.9+)	961007	693	0.4− 0.6+
861010	092	0.4−	0.4−	920404	675	0.8−	1.2+			

(7642)∗ 1988 TZ = 1964 WL = 1995 UN$_3$

Discovered 1988 Oct. 13 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 25955)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	146.17335		(2000.0)		**P**	**Q**	
n	0.28676133	ω	51.86957		+0.34292650	−0.93913269	
a	2.2774857	Ω	18.10847		+0.83959372	+0.29651555	
e	0.1323542	i	3.83078		+0.42128827	+0.17351750	
P	3.44	H	14.2	G	0.15	U	2

Residuals in seconds of arc

641127	330	0.7−	1.8+	881014	046	(4.3+	0.7−)	930126	691	0.2− 0.3−
880908	033	0.2−	0.3−	881014	046	(6.5+	0.4−)	951017	358	(2.9+ 0.7−)
880908	033	0.0	0.2−	881016	399	1.6−	1.5−	951017	358	(2.7+ 1.6−)
880909	033	0.2−	0.1−	881016	399	0.1+	0.1−	951019	358	0.7+ 0.0
880910	033	0.2+	0.0	881016	046	(5.1+	0.7+)	951019	358	(3.6+ 0.2+)
880911	033	0.2−	0.5+	881016	046	(8.8+	1.7+)	951027	411	1.0+ 0.1−
881007	675	0.9+	0.6−	881019	399	1.0+	0.4+	951027	411	1.0+ 0.8−
881011	046	(5.6+	1.4+)	881019	399	(2.6+	2.2−)	951102	411	0.1− 0.1−
881012	046	(6.6+	1.4+)	900327	675	0.4−	0.6−	951102	411	1.0+ 0.9+
881013	675	0.7+	0.8+	900327	675	0.1−	1.4+	951217	399	1.2− 0.7−
881013	675	0.7+	0.2−	900422	675	0.7−	0.8−	951217	399	1.3− 0.5−
881013	399	0.7−	1.5−	900422	675	0.5+	1.8−	951219	399	0.1− 0.1+
881013	399	(2.5+	0.5−)	930126	691	0.3−	0.2−	951219	399	0.8− 0.4+
881013	399	(3.3+	0.3+)	930126	691	0.0	0.3−			

(7643)∗ 1988 VQ$_1$ = 1995 WB$_3$

Discovered 1988 Nov. 6 by M. Arai and H. Mori at Yorii.

Id. G. V. Williams (*MPC* 26167)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	137.37722		(2000.0)		**P**	**Q**	
n	0.28358855	ω	38.09952		+0.13137451	−0.98844384	
a	2.2944411	Ω	44.49736		+0.88099241	+0.08143334	
e	0.1362409	i	6.19451		+0.45452515	+0.12785690	
P	3.48	H	14.4	G	0.15	U	2

Residuals in seconds of arc

881102	399	(2.6+	1.2+)	881114	875	(3.7−	0.9+)	970411	704	0.1+ 0.4−
881102	399	(3.3+	0.6+)	910806	675	0.5+	1.6+	970430	704	0.0 0.6+

881102	399	(3.9+	2.0+)	910806	675	0.7−	1.1−	970430	704	0.1+	0.5+
881104	327	0.1+	2.2+	951119	587	0.0	0.4−	970430	704	0.0	0.5+
881104	327	0.4−	1.4+	951119	587	0.1−	0.1+	970430	704	0.3+	0.6+
881104	046	(2.5+	2.5−)	951121	587	0.6−	0.2+	970430	704	0.2+	0.8+
881104	046	(6.1+	1.7−)	951121	587	0.3+	0.8−	970501	704	0.0	0.6+
881105	046	1.5+	0.5−	951123	587	0.0	0.1+	970501	704	0.4+	0.1+
881105	046	(3.4+	0.6−)	951123	587	0.2+	0.2−	970501	704	0.1+	0.7+
881106	875	1.3−	1.3−	951128	587	0.7+	0.4−	970501	704	0.1+	0.6+
881106	875	0.4−	0.5+	951128	587	0.2−	0.2+	970501	704	0.1+	0.4+
881110	875	0.6+	0.5+	951218	801	0.1−	0.7+	970505	704	0.8+	0.3+
881111	399	0.3+	0.8+	951218	801	0.7−	0.6+	970505	704	0.9+	0.9+
881111	399	1.3−	1.7+	951223	801	0.2+	0.2−	970505	704	0.2+	0.4+
881111	399	1.5−	1.3+	951223	801	0.4+	0.1+	970505	704	0.3+	0.6−
881111	046	1.3−	0.3+	970406	704	0.3−	0.2+	970505	704	0.2+	0.4+
881111	046	0.0	1.3+	970406	704	0.9−	0.4+				
881114	875	0.8+	1.5−	970411	704	0.4+	0.6+				

(7644)∗ 1988 VR$_5$ = 1991 JZ$_3$

Discovered 1988 Nov. 4 by A. Mrkos at Kleť.

Id. H. Kaneda (*MPC* 18815)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	58.62309		(2000.0)		**P**	**Q**	
n	0.23725622	ω	139.18558		+0.98770476	+0.02798454	
a	2.5841892	Ω	220.02035		−0.06157031	+0.97396431	
e	0.1327048	*i*	13.83802		+0.14369551	+0.22496751	
P	4.15	*H*	13.7	*G*	0.15	*U*	2

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

881104	046	(1.2+	4.9−)	921029	801	0.1+	0.7+	960912	046	0.0	0.1−
881104	046	1.2+	1.9−	950423	046	0.1−	0.2−	960912	046	0.1−	0.2−
881105	046	(1.9−	3.0−)	950423	046	0.5−	1.5−	960915	801	1.6+	1.1−
881105	046	0.5−	1.0−	950423	046	0.8−	0.2−	960915	801	0.2+	0.7−
881106	675	1.4+	0.4−	950424	046	1.2−	1.3−	960930	046	0.1+	0.0
881106	675	0.3+	0.6−	950424	046	0.8−	0.2−	960930	046	0.1−	0.1+
881112	046	1.1−	0.8−	950424	046	1.2−	0.6−	960930	046	0.0	0.1+
881112	046	1.6−	1.4+	950528	046	(2.6+	0.4−)	961001	046	0.0	0.1+
881112	071	1.1−	1.8+	950528	046	1.2+	0.6−	961001	046	0.1−	0.1−
881113	071	0.1+	2.4+	950528	046	1.5+	0.1−	961001	046	0.2+	0.0
881201	888	(2.9+	1.5−)	950529	691	1.9+	0.5+	961012	689	0.3+	0.7+
881201	888	2.1+	2.1−	950529	691	1.6+	0.9+	961013	689	0.3−	0.7+
910512	809	0.8+	1.9+	960818	801	0.7+	0.5−	961015	046	0.1+	0.3−
910512	809	(0.1+	2.3+)	960818	801	0.4+	1.0−	961015	046	0.3+	0.4−
910512	809	(0.00+	0.03+)	960819	801	0.1−	0.5−	961015	046	0.1+	0.3−
910517	809	0.6−	1.1+	960819	801	0.0	0.9−	961102	046	0.2−	0.3+
910517	809	1.0−	0.9+	960823	046	0.0	0.0	961102	046	0.7−	0.4+
910517	809	1.3−	0.3+	960823	046	0.0	0.1+	961102	046	0.2−	0.2+
920926	402	1.2−	1.5+	960823	046	0.0	0.0	961204	046	0.7−	0.4+
920926	402	1.8−	0.1−	960824	046	0.1+	0.1−	961204	046	0.3−	0.3+
920927	402	1.3+	1.5+	960824	046	0.1+	0.1−	961204	046	0.8−	0.4+
920927	402	(2.4+	0.0)	960824	046	0.1+	0.1−	961205	046	1.0−	0.0
921022	801	0.5+	0.5−	960910	046	0.4+	0.2+	961205	046	1.2−	0.5+
921022	801	0.6+	0.5−	960910	046	0.3+	0.2+	961205	046	1.3−	0.5+
921029	801	0.2+	0.2−	960912	046	0.2+	0.1−				

(7645)∗ 1989 AC$_2$ = 1991 RO$_{18}$

Discovered 1989 Jan. 4 by A. Mrkos at Kleť.

Id. K. Ichikawa (*MPC* 20634)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	112.96669		(2000.0)		**P**	**Q**	
n	0.26993035	ω	211.72932		−0.19254114	−0.98126805	
a	2.3712003	Ω	249.37247		+0.90173891	−0.17435732	
e	0.1623526	*i*	0.39166		+0.38703339	−0.08193011	
P	3.65	*H*	14.4	*G*	0.15	*U*	2

Residuals in seconds of arc

890104	046	1.4+	2.0−	951122	046	0.2−	0.5+	960201	327	0.6+	1.0+
890104	046	(4.2+	1.6−)	951122	046	0.3−	0.5+	960201	327	0.5−	0.8+
890109	046	2.0−	0.8−	951122	046	0.3−	0.6+	960202	327	0.2+	0.7+
890109	046	0.4+	1.5−	951127	046	0.1−	0.1+	960202	327	0.1+	1.0+
890111	046	1.0+	0.0	951127	046	0.1+	0.2+	960202	327	0.6−	0.6+
890111	046	1.3−	2.2+	951127	046	0.0	0.2+	970411	704	0.5+	0.5−
910913	675	(2.9−	3.5−)	951211	046	0.0	0.1+	970411	704	0.1−	0.3−
910913	675	(3.7−	3.2−)	951211	046	0.0	0.1+	970430	704	0.6+	0.1+
910916	675	(2.8−	4.2−)	951211	046	0.3−	0.5−	970430	704	0.4+	0.4+
910916	675	(2.1−	3.3−)	960115	046	1.1+	0.8+	970430	704	0.8+	0.2+
940708	809	0.3+	1.2+	960115	046	0.8+	0.7+	970430	704	0.6+	0.1+
940708	809	0.4−	0.5+	960115	046	0.8+	0.7+	970430	704	0.1+	0.5+
940708	809	(0.1−	2.4+)	960116	046	0.1+	0.3+	970501	704	0.3+	0.4+
940709	809	1.0+	1.1+	960116	046	0.1+	0.4+	970501	704	0.2+	0.6+
940709	809	(3.0+	2.1+)	960116	046	0.1+	0.2+	970501	704	0.9+	0.3−
940709	809	(8.5+	3.1+)	960122	327	0.0	0.7+	970501	704	0.4+	0.9+
951006	046	0.3−	0.4−	960122	327	0.0	0.8+	970501	704	0.6+	0.9+
951006	046	0.7−	0.4−	960123	327	0.5+	0.7+	970506	046	1.0−	0.6+
951006	046	0.4−	0.4−	960123	327	0.7+	0.7+	970506	046	0.6−	0.5+
951007	046	0.3−	0.3−	960123	327	0.6+	0.8+	970506	046	0.2−	0.3+
951007	046	0.8−	0.2−	960126	327	0.5+	1.0+	970516	046	0.9−	1.4+
951007	046	0.6−	0.2−	960126	327	0.1+	0.4+	970516	046	1.4−	0.7+
951027	411	1.2−	0.7+	960126	327	0.1−	0.4+				
951027	411	1.1−	0.7−	960201	327	0.1+	0.4+				

(7646)∗ 1989 KE

Discovered 1989 May 29 by H. E. Holt at Palomar.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	319.13301		(2000.0)		**P**	**Q**	
n	0.23380826	ω	94.20506		−0.39705684	+0.91050682	
a	2.6095332	Ω	151.51489		−0.90842908	−0.37196472	
e	0.1341499	*i*	14.00572		−0.13077646	−0.18060888	
P	4.22	*H*	13.8	*G*	0.15	*U*	2

Residuals in seconds of arc

890529	675	1.2+	2.5+	890710	675	1.4+	0.8−	970202	691	1.4−	0.2+
890529	675	2.5−	0.7−	901112	413	0.3+	0.8−	970202	691	1.1−	0.1+
890601	675	0.1−	0.9+	930416	675	0.3−	0.8+	970202	691	1.2−	0.1+
890601	675	0.2+	0.5+	930416	675	(1.5−	2.6+)	970311	886	1.4+	1.0+
890602	675	0.3+	0.1−	930417	675	0.6+	1.3−	970311	886	0.2+	0.4−
890602	675	0.6+	0.5−	940803	675	1.4−	0.8−	970330	886	0.5+	1.3−
890705	675	0.9−	0.9−	940803	675	0.7+	1.4+	970330	886	0.7+	0.8−
890705	675	1.1−	0.4−	940912	675	0.3−	1.3−				
890710	675	0.9+	0.8−	940912	675	0.8+	0.3+				

(7647)∗ 1989 SR_2 = 1993 OG_3

Discovered 1989 Sept. 26 by E. W. Elst at the European Southern Observatory.

Id. B. G. Marsden (*MPC* 22591)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

					P	**Q**
M	141.86369			(2000.0)		
n	0.20025620	ω	340.88044		+0.16336101	−0.98486319
a	2.8934239	Ω	99.68510		+0.91264331	+0.12855242
e	0.0446162	i	3.36998		+0.37469369	+0.11627026
P	4.92	H	13.4	G 0.15	U 1	

Residuals in seconds of arc

540827	675	0.4−	0.5−	891008	809	0.6−	0.1−	951227	691	1.0−	0.2+
540827	675	1.6−	0.7−	891008	809	1.6−	0.5−	960110	411	0.6+	0.2+
551119	675	0.2+	0.5+	930713	809	0.7+	0.3−	960110	411	0.4−	0.7+
551119	675	0.6−	0.6+	930713	809	0.4+	0.0	970402	704	0.8−	0.6+
551211	675	0.5+	0.4−	930713	809	0.1−	0.7−	970402	704	0.7−	0.9+
551211	675	1.3+	1.7+	930713	809	(1.4+ | 2.5+)	970406	704	0.1−	0.1+
890926	809	1.0+	0.4+	930713	809	(0.6+ | 2.6+)	970406	704	0.8−	0.7+
890926	809	0.5−	0.5−	930713	809	(1.4+ | 2.5+)	970407	704	0.7−	0.3+
890926	809	0.1−	0.3−	930720	809	0.0	0.7+	970407	704	0.1+	0.7+
890928	809	1.4+	0.3−	930720	809	0.7−	0.1−	970430	704	0.9+	0.0
890928	809	0.5+	0.4−	930720	809	0.8−	0.1+	970430	704	0.7+	0.4+
890928	809	1.0+	0.8−	930720	809	0.3+	0.6+	970430	704	0.9+	0.4+
890929	675	1.4+	0.8−	930720	809	0.8−	0.7+	970430	704	0.5+	0.6+
890929	675	(3.1+ | 0.8−)	930720	809	0.6+	0.7+	970430	704	0.3+	0.1+
891003	809	0.1+	1.3+	930724	809	0.3−	0.4−	970501	704	0.7+	0.0
891003	809	0.3−	1.6+	930724	809	0.8+	0.6−	970501	704	0.6+	0.2+
891003	809	0.1−	1.7+	941009	691	0.4−	0.4+	970501	704	0.7+	0.3+
891007	809	0.7−	0.4+	941009	691	1.7−	0.8+	970501	704	0.5+	0.3+
891007	809	0.6−	0.8+	941009	691	0.5+	0.8+	970501	704	0.9+	0.6+
891007	809	1.0−	1.2+	951227	691	0.4−	0.2+				
891008	809	0.5+	0.1−	951227	691	1.0−	0.0				

(7648)∗ 1989 TB_1 = 1981 CE = 1984 BK_1 = 1986 WD_{10}

Discovered 1989 Oct. 8 by Y. Mizuno and T. Furuta at Kani.

Id. K. Ichikawa (*MPC* 15422)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	**Q**
M	111.38371			(2000.0)		
n	0.31123050	ω	53.62858		+0.41414477	−0.91015804
a	2.1564925	Ω	11.91779		+0.81913072	+0.36797699
e	0.1117504	i	2.72591		+0.39687399	+0.19027686
P	3.17	H	14.4	G 0.15	U 2	

Residuals in seconds of arc

810202	046	0.3−	1.1−	891008	403	1.0+	1.8−	921001	801	0.1+	0.8−
810202	046	0.8+	0.5+	891009	403	0.5+	1.4−	940314	675	0.5−	0.5−
840124	381	0.9−	1.7−	891009	403	1.2−	1.0−	940314	675	1.2−	0.3−
840124	381	1.2−	0.4+	891020	403	1.2−	0.4+	970212	689	1.3−	0.4−
840124	381	0.6−	1.6+	891020	403	1.5−	1.1+	970428	704	0.3−	0.0
840124	381	0.9−	0.1−	891026	046	(3.8+ | 1.1−)	970428	704	1.1−	0.9−
861130	381	(1.2−	3.5+)	891026	046	(7.1+	2.7−)	970428	704	0.7−	0.3−
861130	381	1.4+	0.9+	891027	046	(6.8+ | 1.4−)	970428	704	1.2−	0.3+
861201	381	1.1+	0.8+	891027	046	(5.5+	4.0−)	970428	704	(3.3−	0.1+)
861201	381	1.5+	0.4+	891102	046	0.0	0.5−	970429	704	1.5+	0.1−
880514	675	0.9+	0.1+	891102	046	0.4+	0.5−	970429	704	1.7+	0.4−
891004	807	1.4+	0.4+	910415	675	0.4−	0.4−	970429	704	1.1+	0.0
891005	807	(2.4+ | 1.1+)	910415	675	0.0	1.0−	970429	704	1.2+	0.3−
891008	403	(2.6− | 1.4−)	921001	801	0.4+	0.9−				

(7649)∗ 1990 SV_5 = 1995 WU_{34}

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

Id. S. Nakano (*MPC* 26560)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	**Q**
M	178.34799			(2000.0)		
n	0.23985206	ω	280.16907		+0.49975772	−0.86361000
a	2.5655102	Ω	139.62399		+0.82945021	+0.45505184
e	0.0979444	i	5.89057		+0.24950866	+0.21703825
P	4.11	H	13.7	G 0.15	U 1	

Residuals in seconds of arc

900915	809	1.4+	0.7+	920227	033	0.1−	0.9−	951120	691	0.0	0.1+
900915	809	1.3+	1.1+	920228	033	0.6−	1.1−	951130	691	0.5−	0.1−
900915	809	0.5+	0.2+	940803	675	1.1−	0.2−	951130	691	0.3−	0.0
900922	809	0.1+	1.3−	940803	675	0.6+	0.4+	951130	691	0.2−	0.0
900922	809	0.2+	1.1−	940912	675	0.1−	0.0	960113	399	0.2+	1.3+
900922	809	0.5−	0.3−	940912	675	0.0	0.6−	960113	399	1.2−	0.4+
900925	809	0.4−	0.1+	941001	675	0.3+	0.5−	960118	399	(1.5+ | 2.5+)
900925	809	0.5−	0.1−	941001	675	0.1+	1.1+	960118	399	0.4+	0.6+
900925	809	1.5−	0.4−	951120	691	0.4−	0.0	960219	411	0.6+	0.1−
920227	033	0.1−	0.7−	951120	691	0.1−	0.1+	960219	411	1.6+	0.1−

(7650)∗ 1990 UG = 1975 VP_4 = 1980 TM_{12} = 1995 UL_5

Discovered 1990 Oct. 16 by T. Seki at Geisei.

Id. G. V. Williams (*MPC* 25957), S. Nakano (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	**Q**
M	75.37025			(2000.0)		
n	0.19569142	ω	221.97956		+0.38386643	−0.91924520
a	2.9382463	Ω	205.81415		+0.89158281	+0.39360285
e	0.0376498	i	11.57548		+0.24026373	+0.00806545
P	5.04	H	12.3	G 0.15	U 1	

Residuals in seconds of arc

751102	095	(4.9+ | 5.8−)	930324	675	0.1+	0.2−	951027	399	0.6−	1.2+
801010	095	0.4+	2.2−	951017	691	0.5−	0.4+	951027	399	1.6−	0.4−
901015	372	2.1+	0.2−	951017	691	0.3−	0.4+	951118	369	0.7+	0.2+
901016	372	0.0	0.8−	951017	691	0.1−	0.3+	951118	369	0.3+	0.5+
901017	372	1.2−	0.6+	951017	114	(0.4+ | 2.3−)	951118	369	0.7+	0.3+
901019	372	(0.1−	2.8−)	951018	114	(2.4+	1.8−)	961210	801	0.2+	0.5+
901111	372	(2.5+ | 13.0−)	951021	399	1.0+	0.4−	961210	801	1.2+	0.5+
901111	372	0.5+	0.8+	951021	399	0.6+	1.3−	970227	104	0.3+	0.3−
901113	372	(3.3− | 0.3+)	951027	691	0.1+	0.2+	970227	104	1.0−	0.3−
901113	372	1.9−	0.1−	951027	691	0.3−	0.1+	970227	104	0.7−	0.3−
930324	675	0.1−	0.3+	951027	691	0.1+	0.1+				

(7651)∗ 1990 VD_6 = 1988 GR_2 = 1989 RG_2

Discovered 1990 Nov. 15 by E. W. Elst at the European Southern Observatory.

Id. H. Kaneda (*MPC* 18434)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	264.51543		(2000.0)			
n	0.21202569	ω	126.96547		+0.37655356	+0.92546382
a	2.7853326	Ω	164.98944		−0.89273990	+0.37448065
e	0.1372161	i	9.22556		−0.24743260	+0.05727975
P	4.65	H	13.2	G	0.15	U 2

Residuals in seconds of arc

880415	054	0.3−	1.3−	901115	809	0.5+	0.2−	930516	399	0.8+	1.2−
880415	054	0.7−	1.1−	901115	809	(2.4− | 1.5−)	930516	399	0.2+	0.6−
890801	675	0.2+	0.2−	901117	809	0.4+	0.6−	970310	689	(2.4+ | 1.4−)
890801	675	0.8+	0.6+	901117	809	0.1+	1.8−	970428	704	0.5−	1.4−
890902	511	0.3−	1.8−	901117	809	0.3−	1.5−	970428	704	0.3−	1.2−
890902	511	0.3−	0.4−	901123	809	0.4−	0.4+	970428	704	1.1−	1.8−
890905	511	0.0	1.2−	901123	809	0.7+	0.8−	970428	704	0.4−	0.2−
890905	511	0.1−	2.3−	901123	809	(2.6−	0.6−)	970428	704	(2.8−	0.3−)
890905	511	0.0	0.4−	930514	399	(0.7− | 2.2−)				
901115	809	0.4+	1.1−	930514	399	(1.3− | 2.6−)				

(7652)∗ 1991 RL$_5$ = 1954 UR = 1986 VO$_5$ = 1994 GL$_3$

Discovered 1991 Sept. 13 by H. E. Holt at Palomar.

Id. T. Kobayashi (*MPC* 24105)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	354.50725		(2000.0)			
n	0.18524855	ω	26.09242		+0.68560582	−0.72531142
a	3.0476576	Ω	20.81389		+0.63353608	+0.55240177
e	0.1951240	i	10.08028		+0.35857593	+0.41082310
P	5.32	H	12.7	G	0.15	U 1

Residuals in seconds of arc

541022	760	1.5−	0.9+	910913	675	0.2−	0.8−	940406	691	0.1−	0.2−
541022	760	1.5−	0.7+	910916	675	0.0	1.0−	940406	691	0.3−	0.4−
541123	675	1.3+	0.7+	910916	675	0.3+	1.5−	940406	691	0.2−	0.6−
541123	675	0.6+	0.5+	911002	675	0.0	0.2+	940416	691	0.7−	0.4−
861105	688	1.8+	1.2−	911002	675	0.5−	0.2+	940416	691	0.5−	0.2−
861105	688	0.9−	0.1−	911007	675	1.4+	1.4−	940416	691	0.7−	0.2−
910902	413	0.1+	0.5+	911007	675	0.2+	1.0−	960901	689	0.1+	0.7−
910902	413	0.8+	0.1−	911008	675	0.6−	0.6−	960902	689	1.2+	1.1+
910903	413	1.3−	0.8+	930128	675	0.5−	0.8−	961012	689	1.1+	0.6+
910913	675	0.1+	0.4−	930128	675	1.2+	0.4−				

(7653)∗ 1991 UV = 1970 OJ = 1977 RM$_3$ = 1984 SZ$_3$

Discovered 1991 Oct. 18 by S. Ueda and H. Kaneda at Kushiro.

Id. H. Kaneda (*MPC* 19511)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	Q
M	298.25324		(2000.0)			
n	0.28723848	ω	86.85273		+0.58350297	+0.81184971
a	2.2749628	Ω	218.86840		−0.75752799	+0.53496757
e	0.1611589	i	1.88114		−0.29270401	+0.23390116
P	3.43	H	13.5	G	0.15	U 1

Residuals in seconds of arc

531001	675	0.2+	0.9−	911018	399	0.4+	0.3−	940710	675	0.0	0.3+
531001	675	0.4−	0.3−	911018	399	1.5+	0.6−	940710	675	0.0	0.2+
700731	095	0.7−	1.4+	911019	399	0.7−	0.3+	940712	801	0.3+	0.1−
770912	095	(2.3− | 2.3+)	911019	399	0.6+	1.0+	940712	801	0.1+	0.1−
770918	095	0.2−	0.4+	911029	399	1.4−	0.5−	940713	801	0.1+	0.4−
840927	033	1.5+	0.4+	911029	399	1.7−	0.6+	940713	801	0.4+	0.1−
840927	033	1.5+	0.7+	911031	399	1.1−	0.4+	940728	894	0.1+	0.9−
840929	046	(3.7+ | 0.3+)	911031	399	0.4−	0.2−	940728	894	0.9−	0.5−
840929	046	(3.6+ | 0.9+)	911109	399	1.9+	1.5−	970407	367	0.1−	0.3−
840930	046	(3.3+ | 1.8+)	911109	399	0.4+	1.3−	970407	367	0.1−	0.3−
840930	046	(3.1+ | 2.6+)	920110	691	1.3−	0.5+	970506	691	0.6−	0.3−
900327	675	0.6+	0.3+	920110	691	1.4−	0.4+	970506	691	0.7−	0.2−
900327	675	0.7+	0.2+	940609	801	0.1−	0.6+	970506	691	0.5−	0.2−
900401	675	0.4+	0.1−	940708	596	0.1−	1.5+				
900401	675	0.2+	0.7−	940708	596	0.2+	1.4−				

(7654)∗ 1991 VV$_3$ = 1987 RJ$_2$ = 1987 SO$_{13}$

Discovered 1991 Nov. 11 by S. Ueda and H. Kaneda at Kushiro.

Id. H. Kaneda (*MPC* 19521)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	Q
M	196.24394		(2000.0)			
n	0.26819531	ω	347.36886		+0.79848542	−0.60046242
a	2.3814160	Ω	49.61991		+0.55715244	+0.70989844
e	0.2119797	i	3.25073		+0.22803989	+0.36808842
P	3.67	H	14.3	G	0.15	U 2

Residuals in seconds of arc

540904	675	1.5−	0.1−	911205	399	1.0−	1.4−	970406	704	0.1−	0.3−
540904	675	1.5+	0.1+	911207	399	1.7−	1.1+	970430	704	0.6+	0.2−
870901	095	(1.0− | 3.6−)	911207	399	0.3−	1.3+	970430	704	0.4+	0.3−
870922	095	(4.2− | 2.3−)	911209	399	0.4−	0.6+	970430	704	0.5+	0.4−
911111	399	0.6+	0.5+	911209	399	1.0+	0.0	970430	704	0.2+	0.2−
911111	399	1.3+	1.5−	930418	413	0.7+	0.4−	970430	704	0.3−	1.2+
911113	399	1.2−	0.2−	960112	691	0.1+	0.2+	970505	704	0.5+	0.1−
911113	399	0.9−	1.5+	960112	691	0.3−	0.0	970505	704	0.4−	0.1+
911201	675	0.2+	0.5+	960112	691	0.1−	0.2+	970505	704	0.5−	0.0
911201	675	0.6+	0.4−	960118	691	0.0	0.1−	970505	704	0.6−	0.0
911203	675	1.0+	0.8−	960118	691	0.1+	0.1−	970505	704	0.6−	0.2+
911203	675	1.4+	0.8−	960118	691	0.0	0.3+				
911205	399	0.4−	1.0−	970406	704	0.5−	0.7−				

(7655)∗ 1991 YM$_1$ = 1977 BW

Discovered 1991 Dec. 28 by F. Börngen at Tautenburg.

Id. S. Nakano (*MPC* 26563)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	Q
M	150.03115		(2000.0)			
n	0.26238615	ω	7.72128		−0.36294860	−0.92930997
a	2.4164368	Ω	103.57991		+0.85112478	−0.36042379
e	0.1391151	i	4.02328		+0.37928211	−0.08048398
P	3.76	H	14.6	G	0.15	U 2

Residuals in seconds of arc

770120	095	0.0	1.3−	940912	675	0.2+	0.2+	960308	113	0.2+	0.1+
911228	033	0.0	0.3−	941001	675	0.4+	0.2+	960309	113	0.3+	0.0
920102	033	0.3−	0.1+	941001	675	1.2+	0.9+	960309	113	0.3+	0.3+
920103	033	0.1+	0.3−	960127	411	0.4+	0.6+	960309	113	0.4+	0.1+
920107	033	0.2+	0.4+	960127	411	0.5+	0.5+	960309	113	0.1+	0.2+
940911	675	0.3−	0.1−	960129	411	0.6−	0.6+	960319	113	0.8−	0.9−

940911	675	0.2−	1.0−	960129	411	0.1−	0.9+	960319	113	0.1−	0.9−
940912	675	1.6−	0.8+	960308	113	0.1+	0.3+				

(7656)∗ 1992 HX = 1972 TE$_3$

Discovered 1992 Apr. 24 by Spacewatch at Kitt Peak.

Id. B. G. Marsden (*MPC* 20825)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	261.43814		(2000.0)		**P**	**Q**	
n	0.18596154	ω	273.66576		+0.80584779	+0.59177621	
a	3.0398627	Ω	50.05230		−0.53223522	+0.73891084	
e	0.2018635	i	1.51395		−0.25948989	+0.32219820	
P	5.30	H	14.0	G	0.15	U	2

Residuals in seconds of arc

721005	095	(1.2+	2.9−)	920424	691	1.2−	0.2−	970407	704	(3.1+	0.5−)
721013	095	0.6−	1.4+	920424	691	1.0−	0.3−	970407	704	(2.9+	0.4−)
881007	675	0.4+	1.2−	920508	691	1.0−	0.0	970407	566	0.0	0.3−
881007	675	0.7+	1.4−	920508	691	1.0−	0.5−	970407	566	0.0	0.3−
920404	809	1.8+	0.6+	920508	691	1.0−	0.4−	970407	566	0.1−	0.3−
920404	809	0.6+	0.4+	970331	704	0.2+	0.4−	970503	691	1.5−	0.3−
920404	809	1.7+	0.4+	970331	704	(2.1+	3.5+)	970503	691	1.5−	0.4−
920406	809	0.1+	0.6+	970405	704	1.5+	0.3+	970503	691	1.4−	0.3−
920406	809	1.6+	0.7+	970405	704	1.4+	0.4−	970509	691	0.9−	0.3−
920406	809	1.9+	1.1+	970406	704	1.0+	0.3−	970509	691	0.8−	0.4−
920424	691	1.5−	0.3−	970406	704	1.1+	0.5+	970509	691	0.9−	0.5−

(7657)∗ 1992 HK$_1$ = 1992 HE$_4$ = 1969 UH$_1$ = 1969 VN = 1989 RS$_3$

Discovered 1992 Apr. 25 by Spacewatch at Kitt Peak.

Id. S. Nakano (d, *MPC* 20484; *MPC* 20933), A. Lowe (d, *ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	247.45602		(2000.0)		**P**	**Q**	
n	0.19882452	ω	298.99171		+0.93094520	+0.36391238	
a	2.9072971	Ω	39.68885		−0.31645355	+0.84521425	
e	0.0653645	i	2.70571		−0.18220370	+0.39138301	
P	4.96	H	13.4	G	0.15	U	1

Residuals in seconds of arc

691016	095	(5.6+	1.9−)	920423	809	1.2+	0.2−	941107	675	0.6−	0.1−
691111	095	1.1−	0.2−	920423	809	1.4+	0.2−	951227	691	0.1+	1.0−
890907	033	1.4+	1.0+	920423	809	1.5+	0.7+	951227	691	0.8−	0.4+
890907	033	1.1+	1.0+	920425	809	0.5+	1.2+	951227	691	0.9−	0.1−
910122	675	0.5+	1.6−	920425	809	1.1+	1.5+	970414	691	0.6−	0.3−
910210	675	0.8+	1.2+	920425	809	1.1+	1.1+	970414	691	0.6−	0.4−
910210	675	0.5−	0.4+	920425	691	1.6−	0.2−	970414	691	0.5−	0.6−
920404	809	0.1+	0.1−	920425	691	0.8−	0.1−	970430	691	0.9−	0.5−
920404	809	0.1−	0.5+	920425	691	0.9−	0.3−	970430	691	0.9−	0.3−
920404	809	0.0	0.0	920502	691	0.3+	0.8−	970430	691	0.9−	0.5−
920406	809	1.0+	1.4+	920502	691	0.0	0.2−	970514	824	0.0	0.4−
920406	809	0.9+	1.0+	920502	691	0.0	0.1−	970514	824	0.1+	0.2−
920406	809	0.3+	0.4+	941107	675	0.8−	0.8+	970514	824	0.3−	0.4−

(7658)∗ 1993 BM$_{12}$ = 1955 BE$_1$ = 1974 CJ = 1976 UO$_2$ = 1991 RW$_{10}$

Discovered 1993 Jan. 22 by S. Ueda and H. Kaneda at Kushiro.

Id. G. V. Williams (*MPC* 21805)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	3.36680		(2000.0)		**P**	**Q**	
n	0.25994299	ω	229.03280		−0.97968199	+0.19964609	
a	2.4315543	Ω	322.47199		−0.17330605	−0.89063824	
e	0.1270181	i	1.79640		−0.10093671	−0.40854005	
P	3.79	H	13.7	G	0.15	U	2

Residuals in seconds of arc

550129	059	(69.6−	97.8−)	930213	399	0.2−	0.5+	970308	886	0.6+	0.8−
740214	095	0.4+	0.8+	930213	399	0.6−	0.4+	970308	399	1.1−	0.4+
740218	095	1.6−	1.2+	930217	809	1.7+	0.2+	970308	399	1.5−	0.1−
761024	381	1.6+	0.4+	930217	809	0.4+	1.0+	970309	689	1.6−	0.3−
761024	381	0.2+	0.6+	930217	809	1.1+	0.0	970309	886	0.3+	0.5−
761026	095	(3.3+	1.4+)	930327	801	0.3−	0.5−	970309	886	0.1+	1.1−
910910	675	1.0+	0.1+	930327	801	0.4+	0.5−	970310	689	0.9+	1.6−
910910	675	0.5−	0.5−	951017	691	0.2+	0.2−	970428	704	0.2−	0.2−
910916	675	0.7+	1.6−	951017	691	0.3+	0.1−	970428	704	0.3−	0.5−
910916	675	0.7+	0.6−	951017	691	0.1+	0.0	970428	704	0.5−	0.5−
911008	675	0.3+	1.7−	951023	691	0.2−	0.3+	970428	704	0.3−	0.0
930122	809	(2.9−	3.6−)	951023	691	0.1−	0.2+	970428	704	0.5−	0.6−
930122	809	(3.3−	3.3−)	951023	691	0.2−	0.5+	970428	704	0.1−	0.1+
930122	809	(3.2−	3.1−)	951121	691	0.9−	0.4−	970428	704	1.6−	0.9−
930122	399	(2.7−	0.7+)	951121	691	0.8−	0.2−	970428	704	0.3−	0.1+
930122	399	(2.3−	0.9−)	951121	691	0.8−	0.3−	970428	704	0.1+	1.0+
930128	809	(2.3−	2.5−)	970301	399	1.1−	0.3+	970429	704	1.1+	0.2−
930128	809	(2.6−	2.6−)	970301	399	1.6+	0.7+	970429	704	1.0+	0.2+
930128	809	(3.1−	2.4−)	970303	399	0.3−	0.3−	970429	704	1.3+	0.7+
930210	399	0.3−	1.8−	970303	399	1.1−	0.9+	970429	704	1.3+	0.3+
930210	399	0.3+	0.3+	970308	886	0.7−	1.4−	970429	704	0.8+	0.5+

(7659)∗ 1993 CP$_1$ = 1985 HE = 1989 ED$_1$

Discovered 1993 Feb. 15 by S. Ueda and H. Kaneda at Kushiro.

Id. K. Ichikawa (*MPC* 22059)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	316.77596		(2000.0)		**P**	**Q**	
n	0.23931705	ω	60.53782		−0.69621416	+0.71540304	
a	2.5693323	Ω	164.86640		−0.71165639	−0.67711980	
e	0.1259800	i	13.06762		−0.09397358	−0.17235797	
P	4.12	H	13.3	G	0.15	U	2

Residuals in seconds of arc

531001	675	0.2+	0.0	890308	875	(3.6+	1.3−)	940713	801	0.1+	0.2+
531001	675	0.3−	0.2−	890308	875	2.1+	1.1−	970212	732	0.7+	0.1+
850418	046	(10.0+	8.1+)	930215	399	(4.4−	3.3+)	970212	732	0.5+	0.3−
850418	046	(3.2+	1.9+)	930215	399	(3.5−	1.7+)	970212	732	0.5+	0.8−
850419	046	(1.8+	3.0−)	930221	399	0.2−	0.7−	970213	732	0.5+	0.1−
850419	046	0.6+	2.2−	930221	399	0.6−	0.3+	970213	732	0.0	0.2+
850420	046	(5.2−	2.5−)	930225	399	1.9−	1.2+	970213	732	0.7+	0.6−
850420	046	(4.9−	2.7−)	930225	399	1.0−	1.4+	970501	104	0.3+	0.1−
850421	046	0.6+	0.7+	930325	691	0.6−	0.3+	970501	104	0.5+	0.1−
850421	046	(2.6−	0.1−)	930325	691	0.5−	0.1−	970501	104	0.2+	0.6−
890301	875	2.0−	1.6+	930325	691	0.5−	0.0				
890301	875	0.6+	0.5+	940713	801	0.2−	0.4+				

(7660)∗ 1993 VM$_1$ = 1990 QC

Discovered 1993 Nov. 5 by R. H. McNaught at Siding Spring.

Id. G. V. Williams (*MPC* 22821)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	109.42132		(2000.0)		**P**	**Q**	
n	0.37338537	ω	264.97876		+0.23552352	−0.96975820	
a	1.9099904	Ω	170.62762		+0.97185342	+0.23537708	
e	0.1401133	*i*	23.14634		−0.00544016	+0.06454970	
P	2.64	*H*	14.2	*G*	0.15	*U*	2

Residuals in seconds of arc

900816	675	0.1+	0.6+	940205	658	0.2−	0.3+	950623	658	0.2−	0.2−
900816	675	0.2+	1.0+	940205	658	0.3−	0.3+	950625	658	0.1−	0.5−
900819	675	0.2+	0.3+	940207	689	0.4+	0.6−	950625	658	0.0	0.5−
900819	675	0.0	0.5+	940208	658	0.6−	0.9+	950625	658	0.1−	0.4−
931105	413	(1.3−	7.5−)	940208	658	0.9−	0.9+	950701	801	0.2+	0.2+
931105	413	(0.9+	2.2+)	940208	658	0.4−	0.9+	950701	801	0.1−	0.1−
931106	413	0.8+	0.4+	940220	413	1.4−	0.3−	950726	801	0.2+	0.2+
931114	413	0.2+	0.2+	940220	413	1.1−	0.1−	950726	801	0.4+	0.1+
931120	413	0.0	0.2−	940221	413	1.5−	0.0	950801	801	0.5+	0.1+
931120	413	0.2−	0.1−	940221	413	1.5−	0.1+	950801	801	0.7+	0.2+
931129	413	0.0	0.4−	940318	413	0.9−	0.7−	970305	886	0.0	0.9+
931216	413	1.1+	1.4−	940318	413	0.1+	0.2−	970305	886	0.5−	1.0+
940121	413	0.8+	0.3−	950527	801	0.3+	0.2+	970307	886	0.5−	0.4+
940121	413	1.1+	0.1−	950527	801	0.4−	0.8+	970307	886	0.2+	0.6+
940122	413	0.4+	0.3−	950618	596	0.7−	0.5−	970313	962	0.2+	0.4−
940122	413	0.5+	0.2−	950618	596	0.8+	0.3−	970313	962	0.0	0.2+
940123	413	0.2+	0.7−	950618	596	1.8−	0.6−	970314	962	0.7+	0.1−
940123	413	0.2+	0.6−	950623	658	0.4−	0.6−	970409	801	0.7+	1.0−
940205	658	0.2−	0.2+	950623	658	0.1−	0.5−	970409	801	0.3+	0.6−

(7661)∗ 1994 PK$_{38}$ = 1979 OV$_2$ = 1997 ED$_{26}$

Discovered 1994 Aug. 10 by E. W. Elst at the European Southern Observatory.

Id. B. G. Marsden (*MPC* 24571, *MPC* 29621)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	297.29256		(2000.0)		**P**	**Q**	
n	0.20175958	ω	81.69407		−0.55625790	+0.83080349	
a	2.8790327	Ω	154.48138		−0.77835172	−0.51307671	
e	0.0123481	*i*	2.46287		−0.29111122	−0.21567999	
P	4.89	*H*	14.3	*G*	0.15	*U*	1

Residuals in seconds of arc

790724	675	0.3+	0.2+	970312	709	0.9+	0.0	970319	709	0.1+	1.0+
790724	413	0.6−	0.7+	970312	709	0.6+	0.0	970319	709	0.3−	0.7+
790725	675	0.3+	0.2−	970312	709	1.0+	0.1−	970319	709	0.3+	0.3−
920227	691	0.3−	0.9−	970313	709	0.2−	0.1−	970323	709	0.9−	0.1+
920227	691	0.2−	0.7−	970313	709	0.3−	0.2−	970323	709	0.1−	0.5−
920227	691	0.3−	0.5−	970313	709	0.0	0.2−	970323	709	0.8−	0.2+
940810	809	1.1+	0.5−	970313	709	0.0	0.2−	970323	709	0.0	0.5−
940810	809	0.3+	0.8−	970313	709	0.2−	0.2−	970323	709	0.8−	0.0
940810	809	1.0+	1.8−	970315	709	0.1−	0.0	970329	709	0.3−	0.0
940811	809	0.6−	0.2+	970315	709	0.3−	0.1+	970329	709	0.2−	0.1+
940811	809	0.2−	0.8+	970315	709	0.1−	0.1+	970329	709	0.5−	0.0
940811	809	0.5+	0.1−	970315	709	0.2−	0.1+	970329	709	0.3−	0.1+
940903	809	0.2−	1.7−	970315	709	0.2−	0.1+	970329	709	0.2−	0.0
940903	809	(0.8−	2.8−)	970315	709	0.0	0.1+	970329	709	0.0	0.2+
940903	809	0.2−	1.7−	970316	709	0.7+	0.1+	970415	709	0.1+	0.3−
940904	809	(1.7−	2.5−)	970316	709	0.6+	0.0	970415	709	0.0	0.1−
940904	809	(0.1−	2.5−)	970316	709	0.8+	0.1+	970415	709	0.2−	0.2−
940904	809	(0.9−	2.4−)	970316	709	0.5+	0.2+	970415	709	0.3+	0.3−
970216	691	0.7−	0.9−	970316	709	0.4+	0.2+	970420	709	1.0−	0.5−
970216	691	0.7−	0.1−	970316	709	0.4+	0.2+	970420	709	0.2−	0.3−
970216	691	0.6−	0.3−	970319	709	0.2+	0.4−	970420	709	0.5−	0.7−
970312	709	0.8+	0.2−	970319	709	0.8−	0.4+	970429	709	0.1−	0.4−
970312	709	0.8+	0.1−	970319	709	0.3+	0.0	970429	709	0.0	0.7−
970312	709	0.6+	0.1−	970319	709	0.5−	0.9+	970429	709	0.3−	0.3−
970312	709	1.0+	0.2−	970319	709	0.2+	0.3−	970429	709	0.5−	0.1−

(7662)∗ 1994 RM$_1$ = 1995 VF$_1$

Discovered 1994 Sept. 3 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Id. T. Urata (*MPC* 26175)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	221.35377		(2000.0)		**P**	**Q**	
n	0.16934450	ω	97.81032		+0.44495639	+0.89038598	
a	3.2356037	Ω	199.50830		−0.89229956	+0.43164951	
e	0.0956743	*i*	16.71667		−0.07625810	+0.14453892	
P	5.82	*H*	11.6	*G*	0.15	*U*	1

Residuals in seconds of arc

880911	675	0.3+	0.1−	941127	385	0.1−	1.1+	951123	801	1.4+	1.8−
880911	675	0.2−	0.6−	941127	385	0.0	1.0+	951123	801	0.5+	0.7−
940903	905	0.6−	0.1+	941127	385	0.4+	1.3+	951125	801	0.7+	0.1+
940903	905	1.6+	1.1+	951103	385	0.0	0.3+	951125	801	0.3−	1.0−
940910	905	0.7−	0.7−	951103	385	0.0	0.1+	951215	385	0.2+	0.7−
940910	905	1.2−	0.6−	951103	385	0.5−	0.2+	951215	385	0.4−	0.3−
941001	905	1.7−	0.4−	951116	385	0.3+	1.0+	951215	385	0.7+	0.2−
941001	905	1.8+	0.7+	951116	385	0.0	0.3+	951219	905	0.6−	0.4−
941005	905	1.2+	0.2−	951116	385	0.4−	1.0+	951219	905	0.5−	0.9−
941005	905	0.2+	0.2+	951117	385	0.2+	0.2+	970113	385	0.5+	0.0
941022	385	0.3−	0.6−	951117	385	0.0	1.1+	970113	385	0.3+	0.2−
941022	385	0.1−	0.7−	951117	385	0.6−	0.3−	970203	385	0.0	0.4+
941022	385	0.6+	0.1+	951118	385	0.3−	0.8+	970203	385	0.7−	0.4+
941031	905	0.3−	0.4−	951118	385	0.2−	0.0				
941031	905	1.1−	0.2−	951118	385	0.1−	0.2+				

(7663)∗ 1994 RX$_1$

Discovered 1994 Sept. 2 by E. F. Helin at Palomar.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	312.35525		(2000.0)		**P**	**Q**	
n	0.26934611	ω	92.58650		−0.08118029	+0.99536759	
a	2.3746279	Ω	172.17565		−0.99649740	−0.08001490	
e	0.2265063	*i*	22.23202		−0.02006705	−0.05330078	
P	3.66	*H*	12.6	*G*	0.15	*U*	1

Residuals in seconds of arc

540904	675	0.1−	0.1−	941007	675	(2.4+	0.0)	970309	127	0.4−	1.0−
540904	675	0.4+	0.9−	951023	801	1.1−	0.7−	970309	127	0.2−	1.2−
830808	675	(0.7+	4.5−)	951023	801	0.4+	0.1−	970310	127	0.4+	0.9−

830808	675	(2.9− | 1.0+)	951121	608	0.2+	1.3+	970310	127	0.3+	0.2+
900427	675	1.3−	1.0−	951121	608	0.1+	1.1+	970312	423	0.4+	0.3−
900427	675	0.2+	0.2+	951122	608	0.3−	1.6+	970312	423	0.3−	0.4+
900429	675	0.1−	1.3+	951205	608	0.0	0.5+	970312	423	1.0+	0.3−
900429	675	0.5−	0.9+	951205	608	0.3−	0.5+	970327	124	0.5+	1.8+
900522	675	0.4+	1.0+	951205	608	0.5−	0.6+	970327	124	0.4+	1.3+
900522	675	0.1+	1.2+	951206	608	0.3−	0.6+	970327	124	(0.1− | 2.3+)
940902	675	0.6+	0.9−	951206	608	0.3+	0.4−	970408	801	1.7+	0.4−
940902	675	1.2+	0.0	970308	886	0.1−	0.3+	970408	801	0.1+	0.5−
940904	675	0.3+	1.6+	970308	886	0.2−	0.4−	970409	801	0.6+	0.4+
940904	675	1.3−	0.9+	970309	886	1.6−	0.2−	970409	801	0.0	0.7+
941007	675	1.0−	0.0	970309	886	0.5−	0.4−				

(7664)∗ 1994 TE$_3$ = 1989 VH$_6$

Discovered 1994 Oct. 2 by K. Endate and K. Watanabe at Kitami.

Id. K. Ichikawa (*MPC* 24397)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	200.31815		(2000.0)		**P**	**Q**
n	0.19543965	ω	182.70559		+0.98312343	−0.18290026
a	2.9407692	Ω	187.83652		+0.16839025	+0.91319799
e	0.1191982	i	1.67132		+0.07150554	+0.36416606
P	5.04	H	12.9	G	0.15	U 2

Residuals in seconds of arc

891103	675	0.0	0.5−	941012	691	1.5−	0.6+	970405	816	0.1+	0.2+
891103	675	0.7+	1.5−	941027	400	1.9+	0.2−	970411	816	0.0	0.4−
891104	675	0.9+	1.3−	941027	400	1.2−	0.5−	970411	816	0.1−	0.2−
891104	675	0.3+	0.9−	960119	691	0.1+	0.3+	970411	704	1.6+	0.5−
920405	691	0.1−	0.1+	960119	691	0.1−	0.4+	970411	816	0.3−	0.3−
920405	691	0.7−	0.3+	960119	691	0.0	0.2+	970411	816	0.3−	0.2−
920405	691	0.2−	0.0	970312	809	(2.8−	0.3+)	970411	704	0.4+	0.0
941002	400	(2.9+	1.1+)	970312	809	(2.0−	0.2−)	970412	816	0.3−	0.5−
941002	400	1.2+	1.7+	970312	809	1.8−	0.5+	970412	816	0.1−	0.6−
941003	400	0.0	0.1+	970313	809	0.5−	1.3+	970412	816	0.3−	0.3−
941003	400	0.6−	0.2+	970313	809	1.0+	0.2+	970412	816	0.2−	0.2−
941005	033	0.6+	0.6−	970313	809	0.2−	0.2+	970416	816	0.1+	0.1−
941006	033	0.5+	0.3−	970403	704	(2.2+	0.5−)	970416	816	0.1−	0.1+
941007	033	0.0	0.7+	970403	704	1.1+	0.2+	970416	816	0.8+	0.1−
941010	033	0.2+	0.4+	970405	816	0.1+	0.2−	970416	816	0.2−	0.1+
941012	691	1.4−	1.0+	970405	816	0.1+	0.0				
941012	691	1.5−	0.7+	970405	816	0.0	0.0				

(7665)∗ 1994 TK$_3$ = 1989 WN$_6$

Discovered 1994 Oct. 11 by V. S. Casulli and S. Valentini at Colleverde di Guidonia.

Id. G. V. Williams (*MPC* 24750)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	270.74671		(2000.0)		**P**	**Q**
n	0.20148569	ω	203.58743		+0.71063143	+0.70162717
a	2.8816412	Ω	111.74670		−0.63623718	+0.67251571
e	0.0538743	i	3.22019		−0.30034183	+0.23546110
P	4.89	H	13.1	G	0.15	U 1

Residuals in seconds of arc

540703	675	0.6−	0.2+	941106	596	0.1+	0.8+	960209	596	0.3+	1.2+
540703	675	0.1−	1.0−	941106	596	(2.4+	0.9+)	960209	596	0.4+	0.4−
540804	675	0.8−	0.0	941106	596	(3.8+	0.3+)	960209	596	0.4+	0.1+
540804	675	1.2+	1.6+	941108	596	1.0+	0.6−	960210	596	0.7−	0.4+
891119	364	(2.9+	0.9+)	941108	596	0.9+	0.5−	960210	596	0.2−	0.6+
891119	364	0.1−	0.4+	941108	596	1.7+	0.7−	960218	596	0.1+	0.7+
941011	596	1.6+	0.5−	941112	560	0.2−	1.4−	960218	596	0.5−	1.1+
941011	596	0.5−	0.6−	941112	560	0.9−	0.6−	970329	596	1.0+	0.5−
941011	596	(2.1+	2.3+)	941112	560	0.3−	0.1+	970329	596	1.2+	0.1+
941013	596	1.1+	0.7−	941121	596	0.8−	1.7+	970329	596	0.1−	0.2−
941013	596	1.6+	0.5−	941121	596	0.6−	0.7+	970409	596	0.3−	1.1−
941013	596	(2.6+	2.8−)	941121	596	0.3−	1.2−	970409	596	0.7+	0.4+
941027	596	0.6−	0.7−	941128	675	1.1−	0.2+	970425	596	0.5−	0.1−
941027	596	0.1−	1.6−	941128	675	0.4−	0.3−	970425	596	0.9−	0.5−
941027	596	(0.0	2.5−)	941130	675	0.6+	0.3+	970425	596	0.5−	0.1+
941031	596	0.6+	0.3+	960113	596	0.5+	0.2−	970503	596	0.0	0.1−
941031	596	0.5+	0.7+	960113	596	0.5+	0.2+	970503	596	0.1−	0.4+
941031	596	1.3+	1.0+	960113	596	0.2−	0.4−	970503	596	0.1+	0.4−
941104	675	0.6−	0.6+	960113	596	0.4−	0.4−	970511	596	0.7−	0.1+
941104	675	1.2−	0.2+	960121	596	0.3−	0.8−	970511	596	0.6−	0.9−
941106	675	0.4−	0.9+	960121	596	0.2+	0.7−				
941106	675	1.9−	0.7−	960121	596	0.0	0.2−				

(7666)∗ 1994 VC$_1$ = 1976 UV$_4$ = 1992 GE$_8$

Discovered 1994 Nov. 4 by K. Cross at the Sendai Municipal Observatory.

Id. S. Nakano (*MPC* 24573), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	239.58657		(2000.0)		**P**	**Q**
n	0.22049461	ω	345.68308		+0.99420004	−0.10518180
a	2.7135473	Ω	20.39490		+0.10391655	+0.88579050
e	0.2162097	i	3.69020		+0.02770620	+0.45200883
P	4.47	H	13.8	G	0.15	U 2

Residuals in seconds of arc

761030	095	0.1+	0.1−	941111	893	0.4−	0.3−	970406	704	0.2−	0.2−
920409	691	0.7−	1.1−	941112	893	0.7−	0.3−	970408	704	0.4−	1.2+
920409	691	0.7−	1.4−	941112	893	0.1+	0.1−	970408	704	1.5+	1.6+
920409	691	0.9−	1.2−	941123	893	0.2+	0.1−	970430	704	0.2+	0.0
941031	391	(2.5−	0.8−)	941123	893	0.2−	0.3+	970430	704	0.9+	0.6+
941031	391	0.4−	0.4+	941124	893	0.3−	0.2+	970430	704	0.8+	0.4+
941104	893	0.6+	1.3+	941124	893	0.1−	0.6+	970430	704	0.2+	0.9+
941104	893	0.3+	0.5+	941127	675	0.5+	1.1+	970430	704	1.2−	1.1−
941104	893	0.2−	0.3+	941127	675	0.1+	1.2+	970501	704	0.3+	0.3+
941106	893	0.1+	0.4−	941127	893	0.1−	0.5+	970501	704	0.3+	0.1+
941106	893	0.6+	0.4−	941127	893	0.0	0.3+	970501	704	0.2+	0.5+
941108	893	0.1−	0.2−	941204	893	0.4−	0.2+	970501	704	0.2+	0.8+
941108	893	0.2−	0.0	941204	893	0.3+	0.3−	970501	704	0.1+	0.6+
941109	893	0.1−	0.2+	941221	893	0.4+	0.2+	970505	704	0.2+	0.5+
941109	893	0.9−	0.6−	941221	893	0.3+	0.0	970505	704	0.1+	0.3+
941110	893	1.1−	0.5+	941222	893	0.1+	0.0	970505	704	0.2+	0.3+
941110	893	0.3+	0.1−	941222	893	0.3+	0.7+	970505	704	0.3−	0.4+
941111	893	0.3−	0.3−	970406	704	1.1+	0.8+	970505	704	0.5−	0.8+

(7667)∗ 1995 BL$_3$ = 1951 PS = 1978 YY$_1$ = 1985 DH$_4$

Discovered 1995 Jan. 29 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Id. T. Urata (*MPC* 24905)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	232.79809		(2000.0)		**P**	**Q**	
n	0.18931885	ω	252.20579		+0.76546771	−0.63368108	
a	3.0038170	Ω	146.85528		+0.64015605	+0.73230281	
e	0.1197140	i	11.80293		+0.06526416	+0.24936094	
P	5.21	H	11.9	G	0.15	U	2

Residuals in seconds of arc

510806 675	0.1−	0.4−	950129 905	0.3−	0.2−	960412 385	0.1−	0.2+
510806 675	0.0	0.1+	950131 905	0.4+	0.5−	960412 385	0.1+	0.3+
781228 808	0.0	0.2−	950131 905	0.1+	0.5−	960412 385	0.2+	0.2−
781228 808	0.8+	0.2+	950202 905	0.4−	0.6+	960413 385	0.4+	0.2−
850222 675	0.0	1.1+	950202 905	0.2+	0.4−	960413 385	0.0	0.0
850223 675	(7.8+	1.0+)	950305 905	0.5−	0.0	960413 385	0.0	0.2+
910416 675	0.6−	0.5−	950305 905	0.0	0.8+	960510 385	0.8+	0.2−
910416 675	1.3−	0.4−	950320 905	0.8−	0.0	960510 385	1.0+	0.3−
950129 905	0.0	0.5−	950320 905	0.0	0.2−			

(7668)∗ 1995 BR$_3$ = 1977 FF$_1$ = 1977 GU = 1988 GT

Discovered 1995 Jan. 31 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 24905)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	151.01305		(2000.0)		**P**	**Q**	
n	0.26989775	ω	74.51356		−0.48379575	+0.87512856	
a	2.3713912	Ω	166.54041		−0.81790788	−0.44821564	
e	0.1738633	i	2.35764		−0.31139745	−0.18235335	
P	3.65	H	14.3	G	0.15	U	1

Residuals in seconds of arc

770325 095	2.5+	1.3+	950201 411	0.2−	0.5+	960818 816	0.3−	0.5+
770410 381	1.9−	1.1+	950201 411	0.1+	0.2+	960913 620	0.5+	0.7+
770410 381	0.3+	0.2−	950207 411	0.3+	0.6+	960913 620	1.0−	0.2+
880414 046	(9.7−	1.3+)	950207 411	0.6+	0.2−	960913 620	(1.1+	3.3+)
880414 046	(5.3−	2.3−)	950210 411	0.3−	0.0	960913 620	0.6+	0.4+
880415 046	0.2+	1.5−	950210 411	0.3+	0.5−	960913 620	0.4−	0.0
880415 046	1.5−	1.2+	950227 411	0.4+	0.4−	960915 620	1.6+	1.4−
880417 046	0.7+	1.4−	950227 411	1.2−	0.4−	960915 620	0.4−	0.5−
880417 046	(4.4−	1.3−)	960818 816	0.1−	0.4+	960915 620	0.5−	0.0
950131 411	0.0	0.4+	960818 816	0.2−	0.4+			
950131 411	0.1+	0.1+	960818 816	0.1−	0.3+			

(7669)∗ 1995 PB = 1988 HT

Discovered 1995 Aug. 4 by M. Tichý and Z. Moravec at Kleť.

Id. B. G. Marsden (*MPC* 29106)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	62.92701		(2000.0)		**P**	**Q**	
n	0.21316594	ω	271.88036		−0.17665009	−0.98404575	
a	2.7753910	Ω	188.38434		+0.95092953	−0.16507193	
e	0.1467185	i	8.35318		+0.25402317	−0.06637187	
P	4.62	H	13.8	G	0.15	U	1

Residuals in seconds of arc

880420 413	(3.4−	3.1+)	950905 046	0.6−	0.6−	951217 046	0.1−	0.8+
880420 413	0.3+	0.3+	950905 046	0.0	0.3−	951217 046	0.1−	1.4+
930417 675	0.3+	0.4+	950906 046	0.2−	0.7−	951217 046	0.7−	1.0+
930417 675	0.9−	0.3−	950906 046	0.3−	0.7−	960131 327	0.0	0.4−
950804 046	0.4+	0.1−	950906 046	0.2−	0.3−	960131 327	0.2+	0.5+
950804 046	0.4+	0.4+	950918 046	0.2+	0.3−	960131 327	0.0	0.1+
950804 046	0.4+	0.2+	950918 046	0.1+	0.6−	960201 327	0.6−	0.2−
950804 046	0.3+	0.3−	950918 046	0.4+	0.5−	960201 327	0.4−	0.4−
950804 046	0.5−	0.6+	950919 046	0.5−	0.5+	960201 327	1.1−	0.0
950804 046	0.6−	1.0+	950919 046	0.1+	0.3+	970207 046	0.2−	0.4−
950804 046	0.3+	0.1+	950919 046	0.1+	0.1+	970207 046	0.1−	0.5−
950804 046	0.4−	0.1−	950928 046	0.6+	0.6+	970207 046	0.3−	0.2−
950804 046	0.3−	0.1+	950928 046	0.4+	0.4+	970210 046	0.1−	0.0
950804 046	0.1−	0.1+	950929 046	0.4+	0.2+	970210 046	0.1−	0.1−
950804 046	0.8−	0.1−	951005 046	0.3+	0.2−	970210 046	0.3−	0.1−
950804 046	0.1+	0.2+	951005 046	0.5+	0.1−	970306 046	0.2+	0.2+
950811 046	0.5+	0.2+	951005 046	0.3+	0.2−	970306 046	0.3+	0.3+
950811 046	1.0+	0.2+	951012 046	0.7−	0.4−	970306 046	0.3+	0.3+
950811 046	0.6+	0.9+	951012 046	0.1+	0.2−	970307 046	0.1+	0.2+
950813 046	0.9+	0.7+	951012 046	0.5−	0.2−	970307 046	0.2+	0.1+
950813 046	0.3+	0.2+	951111 046	0.2−	0.5−	970307 046	0.2+	0.1+
950813 046	0.5+	0.5+	951111 046	0.4−	0.9−			
950905 046	0.3−	0.4−	951111 046	0.2−	0.7−			

(7670)∗ 1995 QJ = 1988 XL$_5$ = 1994 JM$_9$

Discovered 1995 Aug. 20 by P. Pravec at Ondřejov.

Id. G. V. Williams (*MPC* 25964)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	108.02126		(2000.0)		**P**	**Q**	
n	0.26793879	ω	271.51927		+0.50740861	−0.86130771	
a	2.3829357	Ω	147.94639		+0.80892100	+0.46563582	
e	0.1723490	i	2.82784		+0.29695676	+0.20330351	
P	3.68	H	15.8	G	0.15	U	1

Residuals in seconds of arc

881106 675	0.2−	0.0	950822 557	0.3+	0.1−	951024 557	0.4−	0.4−
881106 675	1.4−	0.2−	950826 557	0.6+	0.2−	951024 557	0.4−	1.0−
881201 888	1.9+	0.0	950826 557	0.6+	0.3−	951024 557	0.7−	0.6+
881201 888	0.1+	0.5−	950826 557	0.5+	0.0	970201 557	0.0	0.2−
940515 691	0.2−	0.3−	950905 557	0.8+	0.3+	970201 557	0.1+	0.1+
940515 691	0.3−	0.3−	950905 557	1.6−	0.0	970202 557	0.5−	0.2−
940515 691	0.0	0.6−	950905 557	0.2+	0.3+	970309 557	0.1+	0.1−
950820 557	0.1−	0.0	950917 557	0.2+	0.1−	970309 557	0.3−	0.4−
950820 557	0.2−	0.4+	950917 557	0.1−	0.7−	970309 557	0.4−	0.7−
950820 557	0.1+	0.4+	950917 557	0.8+	0.2−	970401 557	0.5+	0.5+
950820 557	0.3+	0.4+	951021 557	1.2−	0.4+	970401 557	0.4+	0.4+
950821 557	0.3+	0.2−	951021 557	0.4−	0.1−	970401 557	0.0	0.3+
950821 557	0.2+	0.1+	951021 557	0.2−	0.2−			

(7671)∗ 1995 UK$_1$ = 1969 TO$_4$ = 1977 CC$_2$

Discovered 1995 Oct. 22 by Z. Moravec at Kleť.

Id. B. G. Marsden (*MPC* 26178)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	155.52458		(2000.0)		**P**	**Q**	
n	0.30352245	ω	29.21800		+0.51650059	−0.85623435	
a	2.1928495	Ω	29.68716		+0.78186405	+0.46706605	
e	0.1383183	i	1.09688		+0.34916436	+0.22070806	
P	3.25	H	14.9	G	0.15	U	2

Residuals in seconds of arc

691013 095	0.4+	1.0−	951110 046	0.8−	0.1+	960113 046	0.0	0.1−		
691016 095	(4.3−	3.6−)	951110 046	0.9+	0.8+	960113 046	0.3+	0.3+		
770211 675	0.2−	0.0	951110 046	1.2+	0.6+	960113 046	0.8−	0.0		
770212 675	0.0	0.8−	951115 691	1.6−	0.1−	970403 046	0.4+	0.0		
951022 046	(2.8+	1.9−)	951115 691	1.2−	0.4−	970403 046	0.2+	0.2+		
951022 046	0.1+	1.7−	951115 691	1.2−	0.3−	970403 046	0.4+	0.3+		
951023 046	0.2+	0.4+	951120 691	1.3−	0.3−	970410 046	0.8+	0.3−		
951023 046	0.1+	0.4+	951120 691	1.0−	0.3−	970410 046	0.8+	0.2−		
951023 046	0.2+	0.4+	951120 691	1.0−	0.5−	970410 046	0.8+	0.1−		
951023 046	0.1+	0.5+	951120 046	0.1−	0.4+	970414 691	0.6−	0.1−		
951023 046	0.1+	0.4+	951120 046	0.0	0.2−	970414 691	0.7−	0.2+		
951023 046	0.1+	0.5+	951120 046	0.2+	0.2−	970414 691	0.4−	0.0		
951024 046	0.4+	0.1+	951210 046	0.3+	0.7+	970504 046	0.2−	1.5+		
951024 046	0.4+	0.2+	951210 046	0.8+	0.7+	970504 046	0.0	0.1+		
951024 046	0.4+	0.2+	951210 046	1.3+	0.9+	970505 046	0.0	0.4+		
951026 046	0.4+	0.0	960111 046	0.2+	0.3−	970505 046	0.0	0.0		
951026 046	0.3+	0.0	960111 046	0.1+	0.1+	970505 046	0.5−	0.8+		
951026 046	0.2+	0.0	960111 046	0.8−	0.0					

(7672)∗ 1995 UO$_2$ = 1978 UD$_8$

Discovered 1995 Oct. 24 at Kleť.

Id. B. G. Marsden (*MPC* 26179)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	159.53343		(2000.0)		**P**	**Q**	
n	0.29166401	ω	27.52052		+0.64366253	−0.76393123	
a	2.2518916	Ω	22.50951		+0.67827405	+0.54165034	
e	0.0728597	i	6.88737		+0.35446137	+0.35074776	
P	3.38	H	15.6	G	0.15	U	1

Residuals in seconds of arc

781027 675	0.2−	0.5+	951024 046	0.2−	0.2+	970403 704	1.1+	0.6−		
781028 675	0.0	0.7−	951024 046	0.1−	0.1−	970408 046	0.9−	0.2+		
781029 675	0.4−	0.5+	951027 046	0.1+	0.0	970408 046	0.8−	0.6+		
880910 675	0.3+	0.9−	951027 046	0.1+	0.0	970408 046	0.4−	0.3−		
880910 675	0.9+	0.6+	951027 046	0.2−	0.1+	970411 704	0.4+	0.3+		
930128 675	0.7+	0.8−	951112 046	0.3+	0.4+	970411 704	0.0	0.1+		
930128 675	0.2−	0.3+	951112 046	0.5+	0.2+	970416 816	0.0	0.5−		
951024 046	0.1+	0.2+	951112 046	0.6+	0.4−	970416 816	0.7−	0.6−		
951024 046	0.1+	0.1−	951121 046	0.2−	0.1−	970416 816	0.0	0.2+		
951024 046	0.0	0.0	951121 046	0.2−	0.1−	970416 816	0.3−	0.4−		
951024 046	0.1−	0.1−	951121 046	0.7−	0.0	970427 816	0.0	0.1−		
951024 046	0.0	0.3−	970403 046	0.0	0.1+	970427 816	0.3−	0.1−		
951024 046	0.1+	0.1−	970403 046	0.1+	0.1+	970427 816	0.2−	0.5+		
951024 046	0.3−	0.0	970403 046	0.0	0.1+	970427 816	0.3+	0.0		
951024 046	0.3−	0.2−	970403 704	1.1+	0.2+					

(7673)∗ 1995 UY$_3$ = 1991 RW$_{14}$

Discovered 1995 Oct. 20 by T. Kobayashi at Oizumi.

Id. T. Kobayashi (*MPC* 25968)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	133.90918		(2000.0)		**P**	**Q**	
n	0.25986880	ω	203.80301		+0.45443973	−0.89054094	
a	2.4320171	Ω	219.17676		+0.82240042	+0.42829914	
e	0.1798352	i	1.86211		+0.34226026	+0.15328627	
P	3.79	H	14.2	G	0.15	U	2

Residuals in seconds of arc

910913 675	0.8+	0.8−	951025 411	0.3−	0.1−	960116 327	1.6+	0.0		
910913 675	0.7+	1.1−	951027 411	0.4+	0.6−	960116 327	0.9−	0.1−		
910915 675	0.2+	1.3−	951027 411	0.1−	0.3−	970312 809	0.4−	0.4−		
910915 675	(0.5−	2.9−)	960112 327	0.2+	0.1+	970312 809	0.7−	1.2−		
910915 675	(1.6+	2.4−)	960112 327	0.4+	0.1−	970312 809	0.7−	1.0−		
910915 675	0.2+	1.2−	960112 327	0.5+	0.1−	970313 809	0.2+	0.0		
930325 691	0.2−	0.6−	960115 327	0.3+	0.3−	970313 809	1.8+	0.5−		
930325 691	0.3−	0.7−	960115 327	0.2−	0.1−	970313 809	0.3−	0.3+		
930325 691	0.6−	0.8−	960115 327	0.2+	0.3−	970403 704	0.3+	0.1+		
951020 411	0.9−	0.1+	960115 327	0.0	0.5+	970403 704	1.0−	0.3−		
951020 411	0.8−	0.5+	960115 327	0.1+	0.3−	970411 704	0.4−	0.0		
951025 411	0.4+	0.1−	960115 327	0.1−	0.0	970411 704	0.1+	0.7−		

(7674)∗ 1995 VO$_1$ = 1980 UY = 1982 EB = 1990 VR$_9$ = 1990 YU

Discovered 1995 Nov. 15 by K. Endate and K. Watanabe at Kitami.

Id. K. Ichikawa (*MPC* 26746)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	165.24334		(2000.0)		**P**	**Q**	
n	0.19806371	ω	217.08386		+0.99805115	+0.05426939	
a	2.9147375	Ω	139.77156		−0.03937052	+0.93059893	
e	0.0827573	i	2.73362		−0.04841352	+0.36199513	
P	4.98	H	12.5	G	0.15	U	2

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

801018 095	0.5+	0.3−	920227 691	0.2−	0.2+	951117 327	0.1+	0.7+		
820303 801	0.7+	0.0	920227 691	0.3−	0.2−	951117 327	0.7+	0.8+		
901112 364	(3.4+	2.4+)	930323 675	0.1−	0.5+	951117 327	0.7+	1.1+		
901112 364	(0.48+	0.00−)	930323 675	0.5−	0.4−	951122 400	0.9−	0.1−		
901212 372	0.2−	0.8+	930417 675	0.5+	0.1−	951122 400	0.6−	0.3−		
901212 372	1.8+	0.1−	951024 033	0.2−	0.6+	951125 400	0.5−	0.5+		
901212 372	1.3−	1.3−	951025 033	0.1+	0.3−	951125 400	0.6−	0.8+		
901212 372	1.8−	2.0−	951025 033	0.5+	0.2−	951127 372	1.1−	0.5−		
901219 372	0.4+	0.8−	951115 400	1.0+	0.5+	951127 372	0.7−	0.5+		
901219 372	0.8−	0.8+	951115 400	0.0	0.1+	951128 372	(6.2+	0.8+)		
901219 372	0.4+	1.0−	951116 400	1.8+	1.0−					
920227 691	0.1−	0.0	951116 400	0.5+	0.2+					

(7675)∗ 1995 WT$_5$ = 1976 UT$_{19}$ = 1993 FD$_{52}$

Discovered 1995 Nov. 23 at Farra d'Isonzo.

Id. G. V. Williams (*MPC* 26411)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	65.09378		(2000.0)		**P**	**Q**	
n	0.26271690	ω	125.54859		−0.89831982	−0.43755845	
a	2.4144083	Ω	28.56389		+0.37156179	−0.80468112	
e	0.0933763	i	4.74459		+0.23444263	−0.40128655	
P	3.75	H	14.7	G	0.15	U	1

Residuals in seconds of arc

761024	381	0.7+	0.1+	960114	595	0.6−	0.3+	970430	704	0.7+	0.0
761024	381	1.2−	0.7+	960115	595	0.2+	0.6+	970430	704	0.5+	0.0
890202	675	0.2+	0.4+	960115	595	0.3+	0.7+	970430	704	0.7+	0.1+
890202	675	0.7+	1.9−	960214	595	0.0	0.7+	970430	704	0.6+	0.2+
930317	809	0.1−	0.1+	960214	595	0.1+	0.2+	970430	704	0.6+	0.5+
930318	809	1.4−	0.4+	960222	595	1.6+	0.8+	970501	704	0.4+	0.1+
930416	413	1.4−	0.6−	960222	595	0.1−	0.0	970501	704	0.8+	0.4+
951123	595	0.1−	0.0	970402	704	1.0+	0.4+	970501	704	0.6+	0.2+
951123	595	0.0	0.2−	970402	704	0.2−	0.0	970501	704	0.6+	0.3−
951124	595	0.8−	0.7+	970406	704	0.6+	0.4+	970501	704	0.5+	0.1−
951124	595	0.6−	0.0	970406	704	0.3+	0.9+	970503	595	1.0−	0.2−
951201	595	0.6+	0.2+	970407	704	1.0+	0.8+	970503	595	1.3−	0.3+
951201	595	0.5−	0.7−	970407	704	1.2+	0.1−	970514	595	0.9+	0.4−
951202	595	0.8−	0.6−	970408	704	0.4−	0.1+	970514	595	(3.1−	0.1−)
951202	595	0.4+	0.2+	970408	704	0.5−	0.4−	970514	595	1.8−	0.2+

(7676)∗ 1995 WN$_8$ = 1993 DZ = 1994 PO$_{35}$

Discovered 1995 Nov. 18 by Y. Shimizu and T. Urata at the Nachi-Katsuura Observatory.

Id. S. Nakano (*MPC* 26571)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	344.84127		(2000.0)		**P**	**Q**	
n	0.26494987	ω	87.27101		−0.53175250	+0.84028890	
a	2.4008235	Ω	149.84318		−0.83628021	−0.50129938	
e	0.1352143	i	12.13569		−0.13369628	−0.20643034	
P	3.72	H	13.2	G	0.15	U	1

Residuals in seconds of arc

930220	877	(0.7−	2.6+)	940810	809	0.2−	0.2−	951130	905	0.3+	0.1−
930220	877	1.4+	0.9−	940810	809	0.4−	0.4+	951130	905	0.2−	0.3−
930223	877	0.5+	0.9+	940811	809	(1.1−	2.5−)	951130	905	0.9−	0.1−
930223	877	0.9−	0.9−	940811	809	0.1−	1.1−	951215	905	1.7+	2.0+
930225	877	0.0	0.3−	940811	809	0.2−	0.3−	951215	905	1.6−	0.8−
930225	877	1.6+	0.8+	951118	905	0.4+	1.0+	970330	367	0.2+	0.4+
930302	877	1.2−	0.4+	951118	905	0.5+	0.3+	970330	367	0.2+	0.6+
930302	877	1.6−	1.6−	951128	905	0.8−	0.3+	970428	367	0.0	0.3+
940810	809	0.8+	0.9+	951128	905	0.4+	1.0−	970428	367	0.0	0.2+

(7677)∗ 1995 YP$_3$ = 1979 SS$_{14}$ = 1983 UR

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

Id. T. Kobayashi (*MPC* 26575)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	240.04422		(2000.0)		**P**	**Q**	
n	0.25980342	ω	221.74400		+0.99635350	+0.07975922	
a	2.4324251	Ω	133.65405		−0.06289049	+0.92653944	
e	0.1045455	i	2.40028		−0.05765845	+0.36764538	
P	3.79	H	14.1	G	0.15	U	1

Residuals in seconds of arc

790920	675	0.5+	0.2−	951229	411	0.6+	0.3−	970430	704	0.1+	0.2+
790921	675	0.3+	0.5−	951229	411	0.3−	0.7+	970430	704	0.2+	0.3+
831030	675	0.3−	1.2+	951231	411	0.6+	0.1−	970430	704	0.3+	0.2+
831104	675	0.9−	0.1+	951231	411	0.1+	0.3+	970430	704	0.2+	0.1+
930122	691	0.4−	0.4−	960216	566	0.4−	0.5−	970501	910	0.1−	0.3−
930122	691	0.2−	0.4−	960216	566	0.0	0.3−	970501	910	0.1−	0.2−
930122	691	0.2−	0.5−	960216	566	0.1−	0.0	970501	910	0.1−	0.2−
930418	413	0.1−	0.3−	970402	704	0.1+	1.6+	970502	910	0.1−	0.0
951227	411	0.4+	0.6+	970402	704	0.1−	0.8+	970502	910	0.1+	0.0
951227	411	0.4−	0.5−	970430	704	0.1+	0.1−	970503	910	0.0	0.1+

(7678)∗ 1996 CW$_2$

Discovered 1996 Feb. 15 by A. Nakamura at Kuma.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	267.71838		(2000.0)		**P**	**Q**	
n	0.17472652	ω	345.51006		+0.87001697	+0.49136262	
a	3.1688146	Ω	344.85922		−0.43554218	+0.72758717	
e	0.0850346	i	8.90100		−0.23102703	+0.47872716	
P	5.64	H	13.6	G	0.15	U	1

Residuals in seconds of arc

881109	675	0.9−	1.4+	960221	360	0.5+	0.4+	960407	360	0.7−	0.6−
881109	675	0.6+	0.3+	960222	360	0.6+	0.3+	960407	360	0.7−	0.2+
931014	675	0.9+	0.1−	960222	360	0.0	0.4+	960407	360	0.0	0.4−
931014	675	0.4−	0.6−	960228	360	0.0	0.2+	970331	360	0.0	0.4+
960215	691	0.6−	0.4+	960228	360	0.4+	0.4−	970331	360	0.0	0.7+
960215	691	0.7−	0.0	960228	360	0.1+	0.4+	970331	360	0.4−	0.6+
960215	691	0.8−	0.0	960312	691	0.7−	0.2−	970407	360	0.4−	0.1+
960215	360	0.6+	0.4−	960312	691	0.4−	0.1+	970412	360	0.1+	0.1+
960215	360	0.7+	0.4−	960312	691	0.4−	0.1+	970412	360	0.3−	0.7+
960215	360	0.6+	0.4−	960313	360	0.4+	0.4−	970429	360	0.5+	0.0
960216	608	1.2+	0.5−	960313	360	0.3+	0.2+	970429	360	0.1+	0.0
960216	608	1.1+	0.8−	960317	691	1.0−	0.2−	970505	360	0.3+	0.5−
960221	360	0.1+	0.2+	960317	691	1.4−	0.2−	970505	360	0.5+	0.3−
960221	360	0.3+	0.5+	960317	691	0.4−	0.1+				

(7679)∗ 1996 CA$_9$ = 1951 EF = 1978 VV$_{14}$ = 1988 DH$_5$ = 1992 DJ

Discovered 1996 Feb. 15 by U. Munari and M. Tombelli at Cima Ekar.

Id. G. Forti (*MPC* 27450), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	135.92857		(2000.0)		**P**	**Q**	
n	0.23980786	ω	295.26694		−0.25924475	−0.96489322	
a	2.5658254	Ω	169.49403		+0.94822452	−0.26256461	
e	0.1490482	i	13.35261		+0.18347320	−0.00639496	
P	4.11	H	13.3	G	0.15	U	2

Residuals in seconds of arc

510306	024	0.6−	0.8+	960215	098	1.7−	0.5+	970409	104	0.1−	0.4−
781101	095	0.7+	1.4−	960215	098	0.0	0.7−	970413	108	1.3−	1.5+
880218	413	0.7+	0.1+	960217	098	(4.8+	1.5+)	970413	108	1.1−	0.2−
880218	413	1.6+	0.2−	960217	098	(5.3−	6.5+)	970413	108	1.2−	0.7+
920226	402	(2.4+	0.9+)	960224	098	1.4−	0.5−	970501	108	0.2+	1.6−
920226	402	1.5+	0.2−	960224	098	(2.6−	0.4−)	970501	108	0.2+	0.3+
920227	402	0.2−	1.0−	960314	098	0.8+	0.4+	970502	108	1.1+	0.2−

920227	402	(0.3− | 4.3−)	960314	098	0.9−	0.3−	970503	108	0.3+	1.7−
940930	675	0.5+	0.4+	970409	104	0.6+	0.7+	970503	108	1.4+	0.6−
940930	675	0.0	0.4−	970409	104	0.2−	0.3−	970503	108	1.5−	0.0

(7680)∗ 1996 HB = 1993 KF$_3$ = 1994 UN$_{12}$

Discovered 1996 Apr. 16 by A. Vagnozzi at Stroncone.

Id. G. V. Williams (*MPC* 27318)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	209.54609		(2000.0)		**P**	**Q**	
n	0.22244834	ω	173.20391		+0.91347357	−0.39950119	
a	2.6976355	Ω	210.70815		+0.36584136	+0.88946001	
e	0.2121246	*i*	8.69872		+0.17811831	+0.22194525	
P	4.43	*H*	13.1	*G*	0.15	*U*	2

Residuals in seconds of arc

930527	010	(1.5+ | 3.0+)	960417	589	0.8−	0.5+	970412	589	1.8−	0.4+
930527	010	(0.1− | 2.8+)	960417	589	0.6+	0.4+	970425	589	0.3−	1.0−
930528	010	(0.9− | 3.8+)	960419	589	0.3−	0.9−	970425	589	0.3−	1.1−
930529	010	(2.2+ | 2.6+)	960419	589	0.2−	0.5+	970425	589	0.5−	1.6−
930529	010	(0.1− | 2.3+)	960419	589	0.7−	0.2−	970430	704	0.1+	0.2−
930529	010	0.0	2.0+	960420	589	0.0	0.7−	970430	704	0.3+	0.1−
941029	675	(2.6− | 0.2−)	960420	589	0.5+	0.4+	970430	704	0.5+	0.3−
941029	675	0.1+	0.6+	960420	589	0.1+	0.8−	970430	704	0.1+	0.4−
941101	675	0.3−	0.3+	960506	589	0.1−	0.4+	970430	704	0.0	0.3+
941101	675	(3.6− | 1.8−)	960506	589	0.7+	0.3+	970501	704	0.4+	0.0
941208	675	0.6+	0.3−	960506	589	0.2+	0.4+	970501	704	0.2+	0.3+
941208	675	0.6−	0.1+	960516	589	0.6−	0.5−	970501	704	0.6+	0.0
960416	589	0.1+	0.7+	960516	589	0.2+	0.3+	970501	704	0.2+	0.0
960416	589	0.5+	0.8+	970402	704	0.2+	0.0	970501	704	0.2+	0.2+
960416	589	0.2+	0.1+	970402	704	1.3+	1.3+				
960416	589	0.2+	0.0	970412	589	1.4−	0.6+				

(7681)∗ 1996 YK$_2$ = 1958 GK = 1976 JZ = 1983 GJ$_1$ = 1990 DO = 1992 VO

Discovered 1996 Dec. 24 by the Beijing Schmidt CCD Asteroid Program at Xinglong.

Id. S. Nakano (*MPC* 28877)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	26.56599		(2000.0)		**P**	**Q**	
n	0.27593906	ω	126.46111		−0.73216193	−0.68068583	
a	2.3366514	Ω	10.71761		+0.57490996	−0.63695621	
e	0.1538861	*i*	7.60490		+0.36526354	−0.36187510	
P	3.57	*H*	13.4	*G*	0.15	*U*	2

Residuals in seconds of arc

580408	760	0.2−	1.3−	961224	327	0.2−	0.0	970128	327	0.1−	0.4+
580408	760	0.1−	0.9+	961224	327	0.6+	0.0	970303	327	0.2+	0.2+
760502	095	1.2−	0.7+	961224	327	0.2−	0.3−	970303	327	0.2+	0.1+
830409	095	1.1+	1.8−	961225	327	1.4+	0.4−	970303	327	0.2+	0.2+
900224	403	(3.9− | 0.5−)Y	961225	327	0.4−	0.3−	970326	327	0.1−	0.4+
900224	403	0.7+	1.2−	961225	327	1.1+	0.7−	970326	327	0.1+	0.0
900227	403	0.1−	0.6−	970109	399	1.3−	1.4+	970326	327	0.1−	0.1+
900227	403	1.8−	0.3−	970109	399	1.7−	0.3−	970326	327	0.3+	0.2+
921115	400	0.4−	0.6−	970112	399	2.0−	1.2+	970328	327	0.9+	0.5+
921115	400	(4.9+	1.0+)	970112	399	(3.1−	0.3+)	970328	327	0.6+	0.3+
921116	400	0.2+	1.1−	970128	327	1.0−	0.3+	970328	327	0.3+	0.1−
921116	400	1.3+	0.5+	970128	327	1.9+	0.1+	970328	327	0.5+	0.5+

(7682)∗ 1997 CY$_{19}$ = 1982 SE$_{11}$ = 1984 EW = 1995 SF$_3$

Discovered 1997 Feb. 12 by T. Kobayashi at Oizumi.

Id. S. Nakano (*MPC* 29641)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	60.35224		(2000.0)		**P**	**Q**	
n	0.22670975	ω	98.73147		−0.25044865	−0.96807157	
a	2.6637241	Ω	5.80534		+0.84181712	−0.22317977	
e	0.2074700	*i*	6.02994		+0.47814162	−0.11414121	
P	4.35	*H*	14.1	*G*	0.15	*U*	1

Residuals in seconds of arc

820927	095	0.9−	1.0−	950921	399	0.2−	0.9−	970428	704	0.8−	0.3+
840306	688	2.1−	0.8−	970212	411	0.5−	0.2−	970428	704	0.7−	0.3−
840306	688	0.9−	2.1−	970212	411	0.0	0.5−	970428	704	0.8−	0.8+
840309	688	1.1−	1.1−	970213	411	0.1−	0.3−	970428	704	0.1−	1.2+
840309	688	1.8+	2.0−	970213	411	0.1−	0.4−	970428	704	(3.9− | 0.7+)
911128	691	0.3−	0.2+	970216	411	0.3−	0.3−	970429	704	1.0+	0.5+
911128	691	0.5−	0.6+	970216	411	0.3+	0.4−	970429	704	0.7+	1.1+
911128	691	0.1−	0.5+	970301	411	0.2+	0.3+	970429	704	1.6+	1.8+
950920	399	1.3+	1.0−	970301	411	0.4+	0.5+	970429	704	0.5+	1.1+
950920	399	1.5+	1.5+	970309	411	0.0	0.7+				
950921	399	0.5−	0.2−	970309	411	0.4+	0.6+				

(7683)∗ 1997 DE = 1975 XD$_7$ = 1978 TN = 1983 AF$_6$ = 1996 CC$_8$

Discovered 1997 Feb. 19 by the Beijing Schmidt CCD Asteroid Program at Xinglong.

Id. G. V. Williams (*MPC* 29313)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	116.28603		(2000.0)		**P**	**Q**	
n	0.29055690	ω	347.62820		+0.13703609	−0.98295150	
a	2.2576082	Ω	94.40167		+0.91898359	+0.07996635	
e	0.1229176	*i*	7.06234		+0.36971648	+0.16556490	
P	3.39	*H*	13.5	*G*	0.15	*U*	2

Residuals in seconds of arc

751211	330	0.0	0.4+	970219	327	0.4−	0.6−	970309	327	1.1−	0.0
751224	330	0.1−	0.1−	970219	327	1.4+	0.3−	970328	327	0.1−	0.6+
781007	095	0.2−	0.5+	970219	327	0.4−	1.0−	970328	327	0.2−	0.6+
830115	095	(3.3+ | 10.3+)	970220	327	1.0+	1.6−	970328	327	0.1−	0.4+
960207	327	0.7−	0.4−	970220	327	0.5+	0.3+	970330	327	0.0	0.2+
960207	327	0.4−	0.2+	970302	327	0.1+	0.3−	970330	327	0.0	0.1+
960207	327	0.2−	0.4+	970302	327	1.1+	0.0	970330	327	0.1−	1.2+
960208	327	0.9+	0.3−	970302	327	0.0	0.3−	970330	327	0.1−	0.9+
960208	327	0.2+	0.3+	970309	327	1.4−	0.1+				
960208	327	0.1+	0.2+	970309	327	0.4+	0.1−				

(7684)∗ 1997 EY = 1983 FO = 1983 GS = 1990 VB$_{13}$ = 1994 RF$_{29}$

Discovered 1997 Mar. 3 by P. G. Comba at Prescott.

Id. B. G. Marsden (*MPC* 29642), G. V. Williams (*ibid.*)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	290.44536		(2000.0)		**P**	**Q**	
n	0.21091069	ω	282.71452		−0.09336654	+0.99549319	
a	2.7951405	Ω	341.90321		−0.89146627	−0.09101719	
e	0.0520601	i	3.06587		−0.44336281	−0.02663058	
P	4.67	H	12.7	G	0.15	U	1

Residuals in seconds of arc

830318	095	1.7−	0.3+	970303	684	0.1−	0.1−	970318	684	0.3−	0.4+
830318	095	(3.2+ | 3.9−)	970303	684	0.1−	0.0	970318	684	0.1−	0.2+
830410	688	1.2+	1.6−	970303	684	0.1−	0.1−	970318	684	0.1−	0.2+
830410	688	(0.2− | 2.8−)	970304	684	0.0	0.3−	970319	684	0.3−	0.2+
901111	374	0.1−	0.3+	970304	684	0.1+	0.4−	970319	684	0.3−	0.1+
901111	374	(6.2− | 3.2−)	970304	684	0.3−	0.4−	970319	684	0.3−	0.2+
940901	033	0.2+	0.2−	970305	684	0.3−	0.2−	970401	684	0.7+	0.5+
940902	033	1.0+	0.7+	970305	684	0.2−	0.5−	970401	684	0.7+	0.3+
940904	033	0.7+	1.2−	970305	684	0.2−	0.3−	970401	684	0.8+	0.4+
940911	691	0.9−	0.5+	970311	684	0.1+	0.4+	970426	684	0.5+	0.3+
940911	691	0.8−	0.8+	970311	684	0.1+	0.5+	970426	684	0.6+	0.4+
940911	691	0.6−	0.4+	970311	684	0.0	0.4+	970426	684	0.5+	0.3+

(7685)∗ 1997 EP$_{17}$ = 1980 FF$_7$ = 1985 VO$_4$ = 1991 NQ$_1$ = 1995 SZ$_{51}$

Discovered 1997 Mar. 1 by S. Ueda and H. Kaneda at Kushiro.

Id. S. Nakano (*MPC* 29313)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	358.90770		(2000.0)		**P**	**Q**	
n	0.28861321	ω	356.60992		−0.96268882	+0.26906440	
a	2.2677330	Ω	199.07468		−0.24615494	−0.91503251	
e	0.1106314	i	5.07159		−0.11241882	−0.30053261	
P	3.41	H	13.5	G	0.15	U	2

Residuals in seconds of arc

800323	809	0.4−	0.6−	950926	691	0.1−	0.3−	970428	704	0.1+	0.1−
851111	095	1.1+	0.7+	950929	691	0.2+	0.4+	970428	704	0.0	0.0
910713	675	0.4−	0.1−	950929	691	0.3+	0.6+	970428	704	0.0	0.2−
910713	675	0.2+	0.8−	950929	691	0.2+	0.4+	970428	704	0.2+	0.3+
910719	675	1.5−	0.2−	970301	399	0.7+	0.2−	970428	704	0.3+	0.1−
910719	675	1.3+	0.1+	970301	399	0.6−	0.4−	970429	704	1.3+	0.1−
921121	691	0.5−	0.4−	970303	399	1.7−	0.1+	970429	704	1.2+	0.2−
921121	691	0.6−	0.6−	970303	399	1.4−	0.9+	970429	704	1.1+	0.0
950926	691	0.1−	0.3−	970308	399	(0.2+ | 2.1+)	970429	704	1.5+	0.4−
950926	691	0.1−	0.3−	970308	399	1.3−	0.5+	970429	704	1.1+	0.0

(7686)∗ 2024 P-L = 1976 JQ$_7$ = 1986 EF$_2$

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

Id. H. Oishi (*MPC* 12585)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	95.07782		(2000.0)		**P**	**Q**	
n	0.28875250	ω	191.81180		−0.99276175	+0.11989199	
a	2.2670036	Ω	355.05764		−0.10242204	−0.87591398	
e	0.0839784	i	4.70870		−0.06272028	−0.46733351	
P	3.41	H	14.0	G	0.15	U	2

Residuals in seconds of arc

550325	675	0.4−	0.1−	760502	809	0.7+	0.9−	930324	675	1.0+	1.0+
600924	675	0.7−	0.1+	860306	688	(2.7+ | 1.6−)	930324	675	1.3−	1.2+
600926	675	0.5−	0.1−	860306	688	0.9+	2.1−	960216	801	0.0	0.4+
600928	675	0.2+	0.2+	860308	809	1.8−	1.0+	960216	801	0.0	0.4+
600929	675	0.2+	0.5−	860308	809	1.0−	0.7+	960219	801	0.3+	0.3−
601017	675	0.3+	1.2+	860309	809	0.6−	0.1+	960219	801	0.1+	0.2−
601022	675	0.7−	0.4+	860309	809	0.3−	0.8+	960318	801	0.3+	0.0
601025	675	0.1+	0.7−	860315	809	1.3+	0.2−	960318	801	0.2+	0.2−
601026	675	0.5+	0.4+	860315	809	1.0+	0.5−				

(7687)∗ 2099 P-L = 1986 EH$_2$ = 1993 GK

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

Id. S. Nakano (*MPC* 22243)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	102.18424		(2000.0)		**P**	**Q**	
n	0.28799257	ω	332.89075		−0.99011509	−0.13623746	
a	2.2709899	Ω	199.36556		+0.13984884	−0.94081032	
e	0.1150708	i	5.77029		+0.01069617	−0.31034706	
P	3.42	H	14.1	G	0.15	U	2

Residuals in seconds of arc

531001	675	0.6+	0.2−	860314	071	0.5−	2.1−	930519	675	0.7−	1.2−
531001	675	0.8−	0.6−	930324	675	1.0+	1.4+	940904	691	0.1−	0.3−
600924	675	0.4−	0.3−	930324	675	1.8−	0.4+	940904	691	0.2−	0.0
600926	675	(1.0− | 2.8−)	930414	894	1.9−	2.0−	940904	691	0.1+	0.5−
600928	675	0.5+	0.5−	930414	894	1.6+	0.4−	960219	801	0.3+	0.8−
600929	675	1.4+	0.9−	930415	399	1.1−	0.1−	960317	801	0.1+	0.1+
601017	675	0.4−	1.2−	930415	399	1.2+	1.1−	960317	801	0.2−	0.0
601022	675	0.5−	1.3−	930416	399	0.1−	0.5+	960319	801	0.1−	0.5+
601025	675	1.0+	0.7+	930416	399	0.6−	1.6+	960319	801	0.1−	0.3+
601026	675	0.2+	0.1+	930417	894	0.8+	0.7−				
860314	071	1.1−	1.2−	930417	894	1.6+	0.3+				

(7688)∗ 2536 P-L = 1991 RJ$_{16}$

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

Id. E. Bowell (*MPC* 19689)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	256.95307		(2000.0)		**P**	**Q**	
n	0.28582138	ω	305.70672		+0.83996466	+0.54056852	
a	2.2824761	Ω	21.69207		−0.44721143	+0.73905871	
e	0.1542692	i	7.36511		−0.30734559	+0.40196753	
P	3.45	H	14.4	G	0.15	U	2

Residuals in seconds of arc

530814	675	0.0	0.5+	910914	675	0.1+	0.4−	970331	704	1.1+	0.5−
530814	675	0.0	0.9+	910915	675	1.8+	1.6−	970331	704	1.0+	0.5+
550322	675	1.2−	0.6−	910915	675	0.8+	1.1−	970403	704	1.5+	0.0
550322	675	0.6−	0.6−	910916	675	0.6−	0.0	970403	704	1.3+	0.4−
600924	675	0.3−	0.1−	910916	675	1.1+	0.7−	970406	704	1.1+	0.0
600926	675	0.1+	0.5+	910917	675	0.8+	1.2−	970406	704	0.9+	0.1−
600928	675	0.3+	0.6+	910917	675	0.8+	0.7−	970503	691	1.5−	0.1−
600929	675	0.3+	0.3+	910930	691	1.0−	0.7+	970503	691	1.4−	0.1−

601017	675	0.6+	0.3−	910930	691	1.3−	0.6+	970503	691	1.4−	0.2−
601022	675	0.3−	0.4−	910930	691	1.7−	0.5+	970509	691	1.3−	0.1−
601025	675	0.3−	0.4+	910930	399	(2.3−	1.7+)	970509	691	1.2−	0.3−
601026	675	1.1−	0.5−	910930	399	1.0−	1.0+	970509	691	1.2−	0.1+
910914	675	1.3+	0.7−	951222	689	1.1+	0.4−				

(7689)∗ 4036 P-L = 1996 DT$_4$

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

Id. G. V. Williams (*MPC* 26911)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	261.82577		(2000.0)		**P**	**Q**	
n	0.20601193	ω	108.81460		+0.92066358	+0.39007451	
a	2.8392772	Ω	228.22923		−0.36522382	+0.84733555	
e	0.0783525	i	1.14073		−0.13780470	+0.36036696	
P	4.78	H	14.2	G	0.15	U	1

Residuals in seconds of arc

600924	675	0.4+	1.1−	920425	691	1.5−	0.8+	970406	704	0.7+	0.5−
600924	675	0.8+	0.4+	920425	691	1.5−	0.8+	970407	704	0.8+	0.1−
600925	675	0.6−	0.2−	941128	675	0.4+	0.9−	970407	704	0.5−	0.1−
600926	675	0.1+	0.8−	941128	675	1.1−	0.0	970411	704	0.1+	0.6−
600926	675	0.2−	0.2+	960216	010	0.2−	0.6+	970411	704	0.3+	0.3+
600927	675	0.5+	1.2+	960216	010	1.1+	0.1+	970503	809	0.8+	0.5−
600928	675	0.7+	0.1−	960216	010	1.4+	0.3+	970503	809	0.1−	0.0
601017	675	0.1+	0.5−	960217	010	0.1−	0.6−	970503	809	0.6−	1.3−
601022	675	0.3−	0.6−	960217	010	1.0−	0.9−	970504	809	(1.8+	2.5+)
601024	675	0.3−	0.6+	960217	010	0.1+	0.5−	970504	809	(0.9+	2.8+)
601026	675	0.3−	0.1+	970406	704	0.4+	0.4+	970504	809	(0.3+	2.8+)

(7690)∗ 2291 T-1 = 1981 UX$_{21}$

Discovered 1971 Mar. 25 by C. J. van Houten and I. van Houten-Groeneveld on Palomar Schmidt plates taken by T. Gehrels.

Id. E. Bowell (*MPC* 20516)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	295.04955		(2000.0)		**P**	**Q**	
n	0.23105574	ω	246.23402		+0.73945052	+0.66999729	
a	2.6302168	Ω	71.62827		−0.58971495	+0.69172181	
e	0.2176899	i	3.96970		−0.32472943	+0.26948944	
P	4.27	H	13.5	G	0.15	U	1

Residuals in seconds of arc

710324	675	(3.8−	0.6−)	920307	809	0.8−	0.8+	970430	704	0.1−	0.7+
710325	675	0.2+	1.7−	960125	589	0.3−	1.6+	970501	704	0.5+	0.0
710325	675	0.6+	2.4−	960125	589	1.8+	0.2+	970501	704	0.3+	0.5+
710326	675	1.3−	0.6−	970406	704	0.1−	0.4+	970501	704	0.6+	0.1+
710327	675	2.1−	1.2−	970406	704	0.3−	1.0+	970501	704	0.6+	0.2+
710402	675	(3.7+	1.2−)	970407	704	0.2−	0.0	970501	704	0.2+	0.3+
771207	675	0.7+	0.6+	970407	704	0.9−	1.0+	970505	704	0.3+	0.0
771208	675	0.3−	1.0+	970408	704	0.1+	0.0	970505	704	0.1+	0.1+
811024	675	0.0	0.3−	970408	704	0.5−	0.0	970505	704	0.1+	0.2−
811025	675	0.1−	0.5−	970430	704	0.4+	0.3+	970505	704	0.1−	0.4−
811026	675	0.3−	0.0	970430	704	0.4+	0.2+	970505	704	0.2+	0.2−
920302	809	0.4+	0.6+	970430	704	0.1−	0.2+				
920305	809	0.5−	0.3+	970430	704	0.2+	0.1+				

(7691)∗ 3186 T-3 = 1981 YL$_1$ = 1993 BE

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

Id. G. V. Williams (*MPC* 21808)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	109.77004		(2000.0)		**P**	**Q**	
n	0.26998989	ω	2.74222		+0.53437360	−0.84394501	
a	2.3708516	Ω	54.96070		+0.77440554	+0.46658441	
e	0.1935376	i	3.28535		+0.33873428	+0.26468056	
P	3.65	H	14.1	G	0.15	U	1

Residuals in seconds of arc

570428	675	0.1+	1.1−	771022	675	1.0+	0.6−	940510	675	0.8−	0.2+
771007	675	0.2−	0.3+	771022	675	1.0+	0.3−	940510	675	0.5−	0.3+
771011	675	0.7−	0.5+	811228	033	0.6+	0.5+	950828	801	1.7+	0.3+
771011	675	0.3−	0.6+	811228	033	1.0+	0.8+	950828	801	0.0	0.1+
771012	675	1.1−	0.1−	881007	675	0.6−	0.1+	950829	801	0.2−	0.1+
771012	675	0.9+	0.6−	881007	675	0.9+	0.6+	950829	801	0.4−	0.0
771016	675	0.8+	1.3−	930120	385	1.1−	0.2+	970309	689	1.7−	0.4+
771016	675	1.4+	0.4−	930120	385	0.3−	0.2−	970429	704	0.7+	0.2+
771017	675	1.3−	0.0	930121	385	0.3−	1.1−	970429	704	0.5+	0.7+
771017	675	0.4−	0.2−	930121	385	0.0	0.7−	970429	704	1.2+	0.4+
771021	675	1.4−	1.3+	930129	385	(0.0	2.2+)	970429	704	1.0+	0.6+
771021	675	1.5−	0.6+	930129	385	(1.4+	3.3+)	970429	704	0.8+	0.2+

1976 UN$_2$ = 1979 SH$_{15}$ = 1997 HT$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	249.60654		(2000.0)		**P**	**Q**	
n	0.31649590	ω	96.80845		+0.99534757	+0.09071608	
a	2.1325079	Ω	257.99042		−0.09617603	+0.91525704	
e	0.1361155	i	1.90193		−0.00577859	+0.39252406	
P	3.11	H	15.0	G	0.15	U	5

Residuals in seconds of arc

761024	381	0.0	0.5+	970430	704	0.0	0.4+	970501	704	0.2+	0.3−
761024	381	1.5−	0.5−	970430	704	0.0	0.5+	970501	704	0.6+	0.1−
761026	095	1.4+	1.0+	970430	704	0.6−	1.0+	970505	704	0.4+	0.0
761118	381	0.0	0.5+	970430	704	0.2−	0.8+	970505	704	0.1+	0.0
761118	381	0.4−	0.0	970501	704	0.2+	0.3+	970505	704	0.2−	0.5−
790924	095	0.1+	0.2−	970501	704	0.2+	0.1−	970505	704	0.1+	0.2−
970430	704	0.0	0.1−	970501	704	0.2+	0.2+	970505	704	0.6−	0.3−

1978 VO$_8$ = 1962 XN$_1$ = 1985 CR$_1$

Id. B. G. Marsden (*MPC* 10157), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	109.85444		(2000.0)		**P**	**Q**	
n	0.18474287	ω	36.89472		−0.84242088	−0.53725058	
a	3.0532165	Ω	110.55958		+0.48328476	−0.78711744	
e	0.1427378	i	2.51561		+0.23824967	−0.30299827	
P	5.34	H	13.0	G	0.15	U	2

Residuals in seconds of arc

621203	760	1.8−	1.2−	850219	809	0.0	0.2+	881007	675	0.9+	1.5−
621203	760	1.7+	1.4−	850219	809	0.4+	0.2+	881013	675	0.8+	0.3−
781105	675	0.1+	0.1+	850220	809	0.3−	0.2−	930919	675	0.5−	1.0+
781106	675	0.4−	0.1−	850220	809	0.3+	0.1−	930919	675	0.6+	0.5−

781107	675	0.6+	1.3+	850220	809	0.4+	0.2+	930921	675	0.8+	0.2+
781108	675	0.5−	0.0	850221	809	0.1+	0.4+	930921	675	1.2−	0.5−
781129	675	0.5−	1.1+	850221	809	0.2+	0.2+	930923	675	0.6+	0.1−
781130	675	0.9−	0.7+	850221	809	0.3+	0.4+	930923	675	1.5+	0.4+
850210	809	1.0−	0.9−	850222	809	0.4+	0.1+	960320	608	0.3−	0.2−
850210	809	1.0−	1.1−	850222	809	0.9+	0.2+	960320	608	0.2−	0.0
850210	809	0.9−	1.0−	850222	809	1.2+	0.3+	960321	608	0.1+	0.1+
850211	809	0.6−	0.0	850224	809	0.2+	0.1−	960321	608	0.3+	0.2+
850211	809	0.6−	0.1−	850224	809	0.3+	0.4−	960324	691	1.1−	0.3−
850211	809	0.6−	0.1−	850224	809	0.4+	0.0	960324	691	1.3−	0.3−
850214	809	0.2−	0.0	850225	809	0.8+	0.1+	960324	691	0.9−	0.5−
850214	809	0.1−	0.2+	850225	809	0.7+	0.1−	960326	566	0.5+	0.2−
850214	809	0.0	0.4+	850225	809	0.8+	0.0	960326	566	0.2+	0.3−
850216	809	0.4−	0.3−	850227	809	0.5+	0.7−	960326	566	0.2+	0.3−
850216	809	0.2−	0.3−	850227	809	0.2+	0.3−	960407	608	0.2−	0.1−
850216	809	0.1+	0.0	850227	809	0.1−	0.1−	960407	608	0.4−	0.1−
850217	809	0.3−	0.6+	850228	809	0.0	0.4+	960408	608	0.3−	0.4−
850217	809	0.1−	0.2+	850228	809	0.4+	0.3+	960408	608	0.3−	0.3−
850217	809	0.2+	0.5+	850228	809	0.8+	0.3+				
850219	809	0.3−	0.0	881007	675	1.3−	2.3−				

1979 UC_4 = 1989 EC_{10} = 1991 PD_{14}

Id. E. Bowell (*MPC* 18804), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	61.36625		(2000.0)		**P**	**Q**	
n	0.23778941	ω	57.08174		+0.36456043	−0.93109764	
a	2.5803248	Ω	11.55746		+0.83241020	+0.31991162	
e	0.2319227	i	3.53823		+0.41735949	+0.17525337	
P	4.14	H	14.0	G	0.15	U	1

Residuals in seconds of arc

500814	675	0.1+	0.2−	890305	033	0.5+	1.2+	910810	675	0.3+	0.3−
500814	675	0.0	0.4+	890305	033	0.3−	0.5−	970502	658	0.3−	0.9−
791016	095	(0.3−	5.0+)	910806	675	0.4−	0.7−	970502	658	0.2−	0.9−
791111	095	0.3+	0.8−	910806	675	0.1+	0.8−	970502	658	0.1−	1.5−
791116	095	0.4−	0.6+	910810	675	0.7+	0.3+				

1981 EG_9 = 1976 JY_{10} = 1997 HO_5

Id. G. V. Williams, L. D. Schmadel

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	0.83992		(2000.0)		**P**	**Q**	
n	0.18353239	ω	291.34914		−0.98887934	+0.13431043	
a	3.0666266	Ω	256.41382		−0.10002178	−0.91841830	
e	0.1789534	i	3.76707		−0.11006040	−0.37211360	
P	5.37	H	14.5	G	0.15	U	3

Residuals in seconds of arc

760502	809	0.3+	1.0+	810315	413	0.2+	0.4−	810503	413	0.2+	1.4−
810209	413	0.5+	0.2−	810405	413	2.0−	0.9+	970428	704	0.9−	0.0
810213	413	1.2+	0.7−	810405	413	0.5+	1.1−	970428	704	1.1−	0.3+
810301	413	0.8−	1.7+	810406	413	1.1−	0.1+	970428	704	1.1−	1.2−
810301	413	1.5+	0.0	810406	413	0.4+	0.9−	970428	704	1.2−	0.5−
810307	413	0.0	0.2+	810407	413	1.6−	0.4−	970429	704	1.5+	0.8+
810307	413	0.4+	0.4+	810407	413	0.5+	1.2−	970429	704	2.1+	0.6+
810311	413	0.6−	0.9+	810412	413	0.5−	0.2−	970429	704	0.8+	1.9+
810311	413	1.2+	0.7−	810412	413	0.8−	0.0	970429	704	1.5+	2.0+
810315	413	0.8−	0.6−	810502	413	0.0	0.7−				

1981 EM_{20} = 1997 HK_1

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	23.78549		(2000.0)		**P**	**Q**	
n	0.12464113	ω	162.86313		−0.97812698	−0.20758363	
a	3.9691283	Ω	5.21081		+0.16954594	−0.83265031	
e	0.1322286	i	8.41509		+0.12050637	−0.51342234	
P	7.91	H	15.0	G	0.15	U	4

Residuals in seconds of arc

810213	413	0.2+	1.9−	810316	413	0.1−	1.7+	970428	691	0.1+	0.1−
810302	413	(5.4+	0.9−)	810329	413	1.8−	0.1−	970428	691	0.2−	0.0
810303	413	1.4+	0.6+	810426	413	0.5−	1.5−	970430	691	0.4+	0.6−
810307	413	(4.1−	0.4−)	810502	413	0.4−	1.4+	970430	691	0.1−	0.2+
810311	413	1.1−	0.6+	810502	413	0.7+	0.2+	970430	691	0.1−	0.1+
810311	413	1.7+	0.9−	970428	691	0.1−	0.1+				

1981 EF_{24} = 1976 JK_7 = 1992 GH_8

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	208.35665		(2000.0)		**P**	**Q**	
n	0.17486311	ω	280.72137		+0.53984406	+0.84105548	
a	3.1671642	Ω	22.05827		−0.73187532	+0.48925341	
e	0.1666053	i	5.27943		−0.41584482	+0.23077433	
P	5.64	H	13.5	G	0.15	U	3

Residuals in seconds of arc

760502	809	0.3+	0.4+	810316	413	0.3+	0.2−	810502	413	1.8−	0.0
810213	413	1.6−	1.0+	810329	413	0.7+	0.2−	920406	809	0.5+	0.7+
810307	413	0.8+	1.7−	810408	413	1.6−	1.0+	940912	675	1.2+	0.8−
810311	413	0.1+	1.2−	810408	413	0.2+	0.9+	940912	675	0.0	1.4−
810311	413	0.9+	1.5−	810411	413	(3.3−	0.6+)				
810316	413	1.3−	1.0−	810426	413	1.0+	0.5−				

1981 EQ_{39} = 1997 HL_{14}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	356.26269		(2000.0)		**P**	**Q**	
n	0.18633926	ω	329.87294		−0.83781493	+0.54591075	
a	3.0357533	Ω	243.21556		−0.49934779	−0.77134048	
e	0.1459146	i	0.44278		−0.22072136	−0.32713196	
P	5.29	H	15.5	G	0.15	U	5

Residuals in seconds of arc

810209	413	1.7−	0.3−	810408	413	0.8−	0.5+	970427	691	0.7−	0.2+
810213	413	1.0+	1.9+	810408	413	1.1+	0.6−	970427	691	0.7−	0.2+
810302	413	2.1−	0.5+	810411	413	1.1+	0.4+	970427	691	0.8−	0.0
810302	413	0.1−	0.5−	810430	413	0.2−	0.0	970508	691	0.7−	0.2−
810303	413	1.9−	0.6+	810502	413	0.6+	0.3−	970508	691	0.6−	0.1+
810307	413	(4.0+	1.8−)	970403	704	1.8+	0.2−	970508	691	0.4−	0.3+
810311	413	1.1−	0.5−	970403	704	1.9+	0.0				

1985 RQ_3 = 1984 FG_1

Id. E. Bowell (1994 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	256.91759		(2000.0)		**P**	**Q**	
n	0.21816705	ω	121.20128		+0.21970988	+0.97374665	
a	2.7328132	Ω	161.21199		−0.94612711	+0.22756251	
e	0.2572217	i	10.65346		−0.23784673	−0.00572344	
P	4.52	H	13.5	G	0.15	U	3

Residuals in seconds of arc

840328	801	0.0	0.1+	850912	809	0.1−	0.8+	850919	809	0.2+	0.3+
850818	095	(0.8− | 10.0−)	850912	809	0.1−	0.9+	850919	809	0.3+	0.1+
850907	809	0.3−	0.7−	850914	809	1.6−	0.8+	850921	809	0.2+	0.3−
850907	809	0.0	0.5−	850914	809	1.5−	0.7+	850921	809	0.3+	0.3−
850907	809	0.3+	0.6−	850914	809	1.2−	0.5+	850921	809	0.3+	0.4−
850910	809	0.4−	0.5−	850917	809	1.5+	0.6−	940930	675	0.7−	0.5+
850910	809	0.2−	0.5−	850917	809	1.2+	0.5−	940930	675	1.5−	0.6+
850910	809	0.0	0.4−	850917	809	1.7+	0.5−	941001	675	1.1+	0.9−
850912	809	0.3−	0.9+	850919	809	0.1−	0.2+	941001	675	1.0+	0.4+

1985 XA = 1994 AT$_3$ = 1997 JB

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	92.32742		(2000.0)		**P**	**Q**	
n	0.37490291	ω	37.33890		−0.42078745	−0.80636167	
a	1.9048327	Ω	81.11051		+0.69722052	−0.58056319	
e	0.0505004	i	24.87545		+0.58036322	+0.11281504	
P	2.63	H	14.0	G	0.15	U	3

Residuals in seconds of arc

851213	010	(4.6+	1.5+)	860203	801	(7.0−	9.4−)	970502	619	0.4+	0.3+
851213	010	0.0	0.4+	940111	675	1.0+	0.8+	970503	954	0.3−	0.3−
851217	010	1.6+	0.8+	940111	675	0.9+	0.3−	970503	954	0.2−	0.3−
851217	010	0.7+	1.5−	940113	675	(1.7+ | 3.7+)	970503	954	0.3−	0.3−
851219	010	(2.9− | 0.7+)	940113	675	1.7−	1.1−	970503	954	0.4−	0.4−
851219	010	(3.3+ | 0.5−)	970501	619	0.8+	0.4−	970503	954	0.4−	0.4−
860109	801	1.7−	0.4+	970502	619	0.3+	1.1+				
860110	801	1.5−	0.2+	970502	619	0.0	0.6+				

1986 QQ$_1$ = 1974 UR = 1997 GN$_{36}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	181.34227		(2000.0)		**P**	**Q**	
n	0.24352954	ω	20.46018		+0.66476450	−0.74669884	
a	2.5396174	Ω	27.89072		+0.67838971	+0.59048506	
e	0.2156922	i	2.81825		+0.31285070	+0.30621600	
P	4.05	H	14.5	G	0.15	U	5

Residuals in seconds of arc

741019	808	0.4−	0.4+	860903	809	0.1+	0.4+	860907	809	0.4+	0.4−
741019	808	0.3−	1.3+	860903	809	0.3+	0.6+	860908	809	0.4+	0.1+
860827	809	1.7−	0.4+	860903	809	0.1+	0.4+	860908	809	0.7+	0.0
860827	809	1.5−	0.4+	860904	809	0.2+	0.3−	860908	809	0.9+	0.1+
860827	809	1.2−	0.4+	860904	809	0.2+	0.1−	860910	809	0.4+	0.3−
860828	809	0.5−	0.1+	860904	809	0.4+	0.5−	860910	809	0.3+	0.5−
860828	809	0.4−	0.3+	860905	809	0.8+	0.2−	860910	809	0.3+	0.6−
860828	809	0.0	0.4+	860905	809	0.8+	0.4−	860912	809	0.1+	0.7−
860829	809	1.2−	0.5+	860905	809	1.0+	0.2−	860912	809	0.1+	0.7−
860829	809	0.8−	0.3+	860906	809	0.5−	0.2−	860912	809	0.2+	0.7−
860829	809	0.2−	0.5+	860906	809	0.1−	0.2−	970406	704	0.1+	0.0
860830	809	0.2+	0.2+	860906	809	0.2−	0.1+	970406	704	0.4−	0.2+
860830	809	0.1+	0.0	860907	809	0.2+	0.3−	970411	704	0.2+	0.0
860830	809	0.2+	0.2+	860907	809	0.4+	0.5−	970411	704	0.4+	0.5+

1987 QS$_5$

Id. 1987 QS$_5$ = 1982 UT$_7$ (*MPC* 24735) is invalid

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	273.09087		(2000.0)		**P**	**Q**	
n	0.18255179	ω	29.41658		+0.99493987	−0.05892292	
a	3.0775987	Ω	333.58616		+0.00550973	+0.84075696	
e	0.1358183	i	10.54093		+0.10032095	+0.53819683	
P	5.40	H	13.0	G	0.15	U	5

Residuals in seconds of arc

870825	809	0.1+	0.6+	870827	809	1.5−	0.2+	870902	095	0.2+	0.0
870825	809	0.1−	0.4−	870827	809	1.2−	0.1+	950125	411	0.4−	0.8−
870825	809	0.3+	0.1+	870827	809	0.5+	0.7+	950125	411	0.4+	0.1+
870826	809	0.6+	0.2−	870828	809	0.0	0.2−	950126	411	0.3+	0.2−
870826	809	0.5+	0.8−	870828	809	1.2+	0.6−	950126	411	0.2−	0.9+
870826	809	(4.2−	0.3+)	870828	809	0.3−	0.4+				

1987 RX = 1982 VE$_5$ = 1996 DA$_6$

Id. T. Kobayashi (*MPC* 27554), G. V. Williams; 1987 RX = 1989 YZ$_3$ (*ibid.*) is invalid.

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	261.30247		(2000.0)		**P**	**Q**	
n	0.17332703	ω	176.06538		+0.81378970	+0.58089984	
a	3.1858489	Ω	148.40054		−0.53410412	+0.75934594	
e	0.2410512	i	1.89968		−0.22908322	+0.29317079	
P	5.69	H	13.0	G	0.15	U	2

Residuals in seconds of arc

821114	381	2.4−	0.2−	930918	691	0.5−	0.0	960217	010	0.6−	1.4−
821114	381	0.2−	0.0	930918	691	0.3−	0.1+	960217	010	0.5+	1.0−
870828	095	0.9+	1.7+	930918	691	0.4−	0.3+	970403	704	0.9−	0.2+
870831	095	0.3+	1.5+	960216	010	1.1+	1.0+	970403	704	0.9−	0.9+
870912	809	0.3−	0.3−	960216	010	2.6+	0.6+	970406	566	0.6+	0.9+
870912	809	0.6+	0.5−	960216	010	2.5+	0.0	970406	566	1.5−	0.8+
870912	809	0.4+	0.7−	960217	010	0.3+	0.3−	970406	566	1.4−	0.4+

1987 WJ$_1$

Id. G. V. Williams (1996 observations), E. Bowell (1990 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	266.44000		(2000.0)		**P**	**Q**	
n	0.17645542	ω	357.90670		+0.85534002	−0.51360443	
a	3.1480821	Ω	33.27896		+0.47709581	+0.72986238	
e	0.1415286	i	7.10318		+0.20192333	+0.45112238	
P	5.59	H	12.5	G	0.15	U	3

Residuals in seconds of arc

871027	095	1.9−	1.0+	871121	095	1.2+	0.4−	880112	688	0.4−	2.4+
871117	688	0.5+	0.4−	871122	688	0.1+	0.2−	900327	675	1.0−	0.0
871117	688	1.0+	0.5−	871122	688	0.1+	0.2−	900327	675	0.9+	0.1−
871120	688	0.1+	0.1+	871221	688	0.5+	0.2−	960521	566	0.5+	0.4−
871120	688	0.4+	0.3−	871221	688	0.6+	0.2−	960521	566	0.7−	0.3−
871121	688	0.5−	0.5−	871222	688	0.2−	0.5−	960521	566	0.5−	0.5−
871121	688	0.8−	0.5−	871222	688	0.1−	0.5−				

1988 QZ

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	135.37243		(2000.0)		**P**	**Q**	
n	0.26712128	ω	8.90185		+0.96433475	+0.24959640	
a	2.3877951	Ω	336.07769		−0.25424969	+0.78097312	
e	0.3401192	i	12.54716		−0.07359059	+0.57252303	
P	3.69	H	15.5	G	0.15	U	5

From 9 observations 1988 Aug. 16–Nov. 7, mean residual 0″.56.

1988 RY_2 = 1993 KS_3 = 1997 GG_{38}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	235.87201		(2000.0)		**P**	**Q**	
n	0.18294683	ω	168.30364		+0.99869886	+0.04433817	
a	3.0731667	Ω	189.26650		−0.04925369	+0.96667967	
e	0.1056516	i	9.00126		+0.01321616	+0.25212008	
P	5.39	H	13.5	G	0.15	U	4

Residuals in seconds of arc

880908	033	0.5−	0.0	880911	033	0.5−	0.2−	930526	691	0.2+	0.1−
880908	033	0.0	0.3−	881013	675	0.9+	0.3−	930526	691	0.3−	0.5−
880909	033	0.4−	0.1−	881013	675	0.6+	1.1+	970402	704	0.5−	0.0
880910	033	0.5−	0.1−	930526	691	0.1+	0.6+	970402	704	0.5+	0.1+

1988 RY_5 = 1979 WB_2 = 1993 SR_2

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	289.90558		(2000.0)		**P**	**Q**	
n	0.20735784	ω	164.50026		+0.98410173	+0.17757711	
a	2.8269779	Ω	185.27418		−0.16641436	+0.91567222	
e	0.0921343	i	1.98731		−0.06204879	+0.36057005	
P	4.75	H	12.9	G	0.15	U	4

Residuals in seconds of arc

791116	095	0.0	0.1+	880910	675	0.3−	0.7−	930916	809	0.3+	0.4−
880903	809	2.1−	1.0−	880910	675	0.1+	0.8+	930916	809	0.0	1.1−
880903	809	1.7−	1.1−	880910	809	0.6−	1.3+	930916	809	0.2−	0.9−
880903	809	1.3−	0.9−	880910	809	0.6−	1.3+	930916	400	0.0	1.6+
880905	809	0.1−	0.7+	880910	809	0.7−	1.3+	930919	400	1.1+	2.0+
880905	809	0.1+	0.5+	880912	675	0.3−	0.2−	930919	400	2.0+	2.7+
880905	809	0.3+	0.2+	880912	675	0.3+	0.1−	930923	809	1.1−	1.3−
880906	809	2.5+	0.2−	880913	809	2.3−	0.0	930923	809	0.8−	1.9−
880906	809	2.6+	0.1−	880913	809	2.2−	0.2−	930923	809	0.4−	1.7−
880906	809	2.8+	0.1−	880913	809	2.1−	0.2−	930923	675	0.6−	0.4+
880908	809	0.7+	0.5+	880916	809	1.1+	0.9−	930923	675	0.4−	0.6+
880908	809	0.7+	0.6+	880916	809	1.2+	1.1−				
880908	809	0.8+	0.6+	880916	809	1.0+	1.1−				

1988 VN_5 = 1997 EM_7

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	60.67566		(2000.0)		**P**	**Q**	
n	0.25913268	ω	282.00872		+0.12453790	−0.99210730	
a	2.4366207	Ω	160.81886		+0.92676383	+0.11105134	
e	0.1657757	i	2.54839		+0.35439966	+0.05822972	
P	3.80	H	14.5	G	0.15	U	5

Residuals in seconds of arc

881104	046	0.5−	0.5−	970307	118	0.1−	0.4+	970326	118	0.5+	0.6−
881104	046	1.6+	2.1+	970307	118	0.3−	0.5+	970326	118	0.3−	0.6−
881105	046	0.7+	0.2+	970308	118	0.1+	0.1+	970326	118	0.1−	1.4−
881105	046	0.8+	0.1−	970308	118	0.0	0.1−	970402	118	0.4−	0.2−
881110	046	1.3−	1.4−	970310	118	0.3+	0.2+	970402	118	0.2+	0.0
881110	046	1.1−	0.6−	970310	118	0.0	0.3+	970402	118	0.2+	0.1+
970305	118	0.0	0.2+	970310	118	0.1−	0.3+	970408	118	0.4−	0.2−
970305	118	0.0	0.3+	970310	118	0.1+	0.4+	970408	118	0.1−	0.4−
970305	118	0.0	0.2+	970322	118	0.2+	0.2−				
970307	118	0.1−	0.3+	970322	118	0.3+	0.1−				

1988 XR_1 = 1997 FK_1

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	116.09100		(2000.0)		**P**	**Q**	
n	0.27020402	ω	340.19842		+0.46071463	−0.87859911	
a	2.3695989	Ω	82.19306		+0.83045361	+0.37674682	
e	0.1065828	i	7.29030		+0.31319138	+0.29347137	
P	3.65	H	13.0	G	0.15	U	5

Residuals in seconds of arc

881207	875	1.7−	1.5−	970329	124	0.7−	0.0	970331	627	0.2+	1.0−
881207	875	(3.5− | 1.1−)	970329	124	0.1−	0.0	970405	124	0.6−	0.3+
881207	054	(1.4+ | 3.0+)	970329	124	0.1−	0.1−	970405	124	1.9+	0.5+
881207	054	1.7+	1.4+	970330	124	0.1−	0.3+	970405	124	0.7−	1.1+
881214	875	0.9+	0.1−	970330	124	0.6+	0.2+	970410	132	0.8−	0.2+
881214	875	(2.8− | 1.1−)	970330	124	0.9−	0.1+	970410	132	0.6−	0.3−
881216	875	(3.2+ | 0.1+)	970331	627	0.0	0.0	970411	132	0.9+	0.8−
881216	875	0.9−	0.2+	970331	627	0.9+	0.5−				

1989 GU_3 = 1990 TY_4

Id. G. V. Williams (*MPC* 17443); 1989 GU_3 = 1969 AB_1 (*ibid.*) is invalid

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	316.96270		(2000.0)		**P**	**Q**	
n	0.25317113	ω	20.54159		+0.19105761	+0.97902013	
a	2.4747230	Ω	260.52508		−0.91030673	+0.14972951	
e	0.0968965	i	4.11781		−0.36720381	+0.13820516	
P	3.89	H	14.0	G	0.15	U	3

Residuals in seconds of arc

890404	809	3.5+	0.4−	890411	809	2.1−	0.5+	970430	704	0.2+	0.0
890404	809	2.7+	0.3−	901009	413	0.4+	0.5−	970430	704	0.7+	0.9−
890410	809	2.3−	0.1−	901009	413	0.4−	0.4+	970501	704	0.3−	0.4+
890410	809	0.8−	0.2+	901011	413	0.1+	0.1−	970501	704	0.4−	0.4+
890410	809	0.5+	0.3+	970430	704	0.2+	0.3+	970501	704	0.1−	0.3+
890411	809	1.8−	0.5−	970430	704	0.2+	0.7−	970501	704	0.4−	0.4+

1989 GJ_4 = 1997 HK_6

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	24.64868		(2000.0)		**P**	**Q**	
n	0.24158980	ω	285.54405		−0.95393315	−0.29493859	
a	2.5531931	Ω	237.33098		+0.29416960	−0.88348388	
e	0.1168274	i	3.74476		+0.05895580	−0.36396079	
P	4.08	H	14.0	G	0.15	U	5

Residuals in seconds of arc

890403	809	0.7−	0.1+	890409	809	0.1+	0.2−	970428	704	0.5−	0.5+
890403	809	0.1−	0.6+	890409	809	0.2+	0.4−	970429	704	0.3+	0.1−
890403	809	0.1+	0.2+	970428	704	0.0	0.3−	970429	704	0.2+	0.2+
890405	809	0.3−	0.3−	970428	704	0.1−	0.1−	970429	704	0.1−	0.1−

890405	809	0.8+	0.0	970428	704	0.1−	0.1−	970429	704	0.1+	0.2−
890409	809	0.1−	0.1+	970428	704	0.3+	0.1+	970429	704	0.1−	0.1+

1989 RD$_1$ = 1997 JT$_7$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	269.05895		(2000.0)		**P**		**Q**
n	0.22645903	ω	261.36160		+0.95327851		+0.19644248
a	2.6656899	Ω	87.07472		−0.09230454		+0.91277717
e	0.1935173	i	13.28529		−0.28764554		+0.35811756
P	4.35	H	13.0	G	0.15	U	4

Residuals in seconds of arc

890905	474	0.7−	1.1+	890910	474	1.1+	1.0+	970503	327	0.2−	0.4+
890905	474	1.8−	0.6+	890910	474	0.6+	0.7+	970503	327	0.4−	0.3+
890906	474	2.3−	1.3−	890910	474	0.7+	1.2+	970503	327	0.2−	0.5+
890906	474	2.1−	1.8−	890930	474	2.3+	0.9−	970509	327	0.1+	0.8−
890909	474	1.5+	0.1−	891121	474	0.2+	0.1+	970509	327	0.0	0.1+
890909	474	1.2+	0.5−	891121	474	0.5−	0.6−	970509	327	0.5+	0.8−

1989 WF$_1$ = 1980 VF$_1$ = 1996 HA$_{26}$

Id. B. G. Marsden (*MPC* 27307), G. V. Willliams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	258.61389		(2000.0)		**P**		**Q**
n	0.22203758	ω	352.83792		+0.58692115		−0.78567303
a	2.7009615	Ω	61.02770		+0.75347927		+0.44164415
e	0.2177989	i	12.91632		+0.29629807		+0.43320704
P	4.44	H	13.5	G	0.15	U	2

Residuals in seconds of arc

491119	675	0.2+	0.8+	891229	896	0.7−	2.1+	960520	691	0.8−	0.2−
491119	675	1.1−	0.9+	891229	896	0.3−	1.4−	960520	691	0.9−	0.1−
801108	879	1.7+	0.9−	930727	675	0.2+	0.4+	960520	691	0.9−	0.2+
801108	879	0.1−	2.1−	930727	675	1.3−	1.6+	960522	809	0.7−	0.3+
891123	896	0.7−	0.4− Y	960420	809	(2.3+	2.0+)	960522	809	0.2+	0.7−
891128	896	(1.8−	3.8−)	960420	809	2.0+	1.2+	960522	809	0.2−	1.2−
891129	896	(2.9−	3.3−)	960420	809	1.7+	1.0+	960524	809	(1.3−	2.0−)
891129	896	(4.1−	4.2−)	960421	809	(2.3+	0.0)	960524	809	(2.0−	2.7−)
891221	896	0.5−	1.3+	960421	809	0.7+	1.7+	960524	809	1.4−	0.6−
891221	896	1.3+	0.4+	960421	809	0.6+	0.3−				

1989 WC$_3$ = 1953 QW = 1979 TU = 1997 HX$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	110.17912		(2000.0)		**P**		**Q**
n	0.30463225	ω	192.25654		+0.28724298		−0.95692951
a	2.1875205	Ω	241.06339		+0.88283513		+0.28156412
e	0.0708598	i	2.76118		+0.37160948		+0.07076406
P	3.24	H	14.5	G	0.15	U	3

Residuals in seconds of arc

530816	675	0.7+	0.2−	891203	888	0.6−	2.0−	970428	704	1.0−	0.7−
530816	675	0.2−	1.0−	891220	888	1.8+	0.4+	970428	704	0.8−	0.0
791014	095	0.1−	0.1+	891220	888	1.2+	0.3+	970428	704	2.2−	0.2−
891127	888	0.0	0.5−	891221	071	2.6+	0.7−	970429	704	1.0+	0.1+
891127	888	0.1+	1.3−	891222	071	0.6−	0.6+	970429	704	0.9+	0.0
891129	888	1.7−	0.3−	891222	071	0.5−	1.2+	970429	704	0.9+	0.2−
891129	888	0.2−	0.3−	891228	888	1.0−	1.8+	970429	704	1.0+	0.4−
891201	888	0.4+	0.1+	891228	888	0.6−	2.1+	970429	704	0.9+	0.6−
891201	888	0.2+	0.1−	970428	704	0.7−	0.2−				
891203	888	1.0−	1.3−	970428	704	0.9−	0.2−				

1990 GN = 1976 JE$_5$ = 1977 RY$_{19}$

Id. E. Bowell (*MPC* 18120), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	9.55908		(2000.0)		**P**		**Q**
n	0.27648019	ω	173.95667		−0.98910340		−0.14721708
a	2.3336015	Ω	357.57656		+0.13379083		−0.89524636
e	0.1633520	i	1.71359		+0.06143682		−0.42054856
P	3.56	H	15.0	G	0.15	U	4

Residuals in seconds of arc

760503	809	0.6+	0.2−	900404	809	0.1−	0.9+	970207	098	1.0−	0.2−
770909	675	1.2−	0.6+	900404	809	0.5−	1.1+	970207	098	1.2−	0.1+
770910	675	0.3−	0.3+	900415	809	0.8+	0.8−	970207	098	0.9−	0.5+
881013	675	1.2+	1.9+	900416	809	0.3+	0.2−	970304	704	1.0+	0.6+
881013	675	0.9−	0.3−	900416	809	0.8+	0.1−	970304	704	1.2+	0.6+
900302	809	0.0	0.4+	900416	809	0.1+	0.1+	970305	704	1.1+	0.0
900302	809	0.0	0.3−	900417	809	0.0	0.5+	970305	704	0.4+	0.8−
900302	809	0.2−	1.1−	900417	809	1.2−	0.9+	970306	704	1.0+	0.0
900404	809	0.2−	0.6+	970207	098	1.0−	0.1−	970306	704	0.1+	0.3−

1990 SG$_{12}$ = 1986 RT$_{17}$ = 1994 PV$_{32}$

Id. K. Ichikawa (*MPC* 24229), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	223.48723		(2000.0)		**P**		**Q**
n	0.24210482	ω	158.39926		+0.98058367		−0.19243810
a	2.5495709	Ω	212.76732		+0.16816505		+0.92414743
e	0.2125503	i	3.99700		+0.10087708		+0.33002896
P	4.07	H	15.0	G	0.15	U	4

Residuals in seconds of arc

860912	095	1.8+	1.7−	940812	809	1.4−	0.9−	940906	809	0.3+	1.6+
900916	675	0.8+	0.6+	940813	809	0.4+	0.1+	970428	691	0.4−	0.2−
900916	675	0.9+	0.4−	940813	809	0.4−	0.5−	970428	691	0.4−	0.2−
900919	675	0.3−	1.7−	940813	809	0.3−	0.2−	970429	691	0.6−	0.1+
900919	675	0.2−	0.9−	940905	809	0.2−	0.8+	970429	691	0.2−	0.6−
900920	675	1.3−	0.8−	940905	809	1.3+	0.8+	970429	691	0.1−	0.3−
900920	675	1.3−	0.2+	940905	809	0.1+	1.2+	970508	691	0.3+	0.3−
940812	809	0.3−	1.1−	940906	809	0.6+	1.6+	970508	691	0.3+	0.1−
940812	809	1.0−	1.1−	940906	809	0.4+	1.0+	970508	691	0.5+	0.1−

1990 TP$_7$ = 1987 GF$_1$ = 1992 FY$_3$

Id. R. Nagata (*MPC* 17642), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	67.49968		(2000.0)		**P**		**Q**
n	0.18921250	ω	63.30871		+0.28744358		−0.95778775
a	3.0049425	Ω	9.98922		+0.86963846		+0.25908622
e	0.1037138	i	1.43253		+0.40137904		+0.12456706
P	5.21	H	13.5	G	0.15	U	1

Residuals in seconds of arc

870401	675	0.1−	1.1+	950922	691	0.9−	0.4−	951014	817	0.5+	0.4+
870401	675	1.3+	0.6+	950927	691	0.7−	0.3−	951020	010	(0.0	2.8−)
870403	675	(4.8−	1.4+)	950927	691	0.6−	0.2−	951020	010	(0.4−	2.4−)
870403	675	0.9+	1.1−	950927	691	0.8−	0.2−	951020	010	(0.6−	2.7−)

901013	033	0.1−	0.1+	951012	817	0.3+	0.0	951023	010	0.9−	0.1+
901013	033	0.6+	0.4−	951012	817	0.5+	0.5+	951023	010	1.2−	0.6−
901014	033	0.4+	0.0	951012	817	0.3+	0.5+	951023	010	(2.2− | 1.6+)
901018	033	0.3−	1.3−	951012	817	0.1+	0.6+	951024	033	0.2−	0.5−
920227	033	0.1−	0.1+	951013	817	1.0+	0.9+	951024	033	1.9−	0.9−
920227	033	0.9−	0.5+	951013	817	1.0+	0.5+	951025	033	0.1−	0.2−
920228	033	1.1−	0.2−	951013	817	0.9+	0.8+	970201	691	0.3+	0.1+
920330	033	0.6−	0.9+	951013	817	1.3+	1.1+	970201	691	0.5+	0.3−
920403	033	(1.1− | 9.3−)	951014	817	0.6+	0.1+	970201	691	0.4+	0.4−
950922	691	0.6−	0.3−	951014	817	0.3+	0.4+				
950922	691	0.9−	0.4−	951014	817	0.4+	0.5+				

1990 UU$_3$ = 1976 JM$_2$ = 1997 GP$_{30}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	289.18189		(2000.0)		**P**		**Q**
n	0.23058307	ω	99.51676		+0.31885474		+0.94721991
a	2.6338100	Ω	189.28365		−0.93022539		+0.30602180
e	0.1698474	i	11.89739		−0.18169308		+0.09552541
P	4.27	H	13.6	G	0.15	U	3

Residuals in seconds of arc

760502	095	0.0	0.1+	901024	809	0.7+	0.4+	970408	691	0.4−	0.2−
901016	809	0.5−	1.0+	901024	809	0.4+	0.0	970408	691	0.2−	0.1+
901016	809	0.4−	0.0	901024	809	0.3+	0.4+	970412	691	0.1−	0.0
901016	809	2.0−	0.0	970408	691	0.3+	0.2+	970412	691	0.3−	0.0
901020	809	0.4+	0.2+	970408	691	0.5+	0.0	970416	691	0.0	0.1−
901020	809	0.6+	0.8−	970408	691	0.6+	0.2+	970416	691	0.0	0.1−
901020	809	0.4+	1.0−	970408	691	0.5−	0.1+	970416	691	0.1−	0.2−

1990 UG$_5$ = 1997 GK$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	160.57951		(2000.0)		**P**		**Q**
n	0.21333559	ω	205.71171		+0.86740323		−0.49748417
a	2.7739194	Ω	184.17184		+0.47866501		+0.84022683
e	0.1564129	i	8.70218		+0.13598326		+0.21570437
P	4.62	H	15.5	G	0.15	U	5

Residuals in seconds of arc

901016	809	0.9+	0.7+	901024	809	1.6−	0.9−	970408	691	0.6+	0.6+
901016	809	0.9+	0.7−	901024	809	1.0−	0.3+	970408	691	0.3+	0.2+
901016	809	1.8−	0.3+	901024	809	1.5−	0.1+	970408	691	0.3+	0.4−
901019	809	0.6+	1.8+	970402	691	0.4−	0.5+	970412	691	0.4+	0.3−
901019	809	0.8+	1.3+	970402	691	0.5−	0.8−	970412	691	0.2+	0.3−
901019	809	(2.1+	3.3+)	970402	691	1.4−	0.5−	970412	691	0.2+	0.3−
901024	809	0.8+	1.2−	970407	691	0.0	0.1+	970416	691	0.2−	0.3+
901024	809	1.9+	1.5−	970407	691	0.0	0.1+	970416	691	0.4+	0.1+
901024	809	(1.1+	2.9−)	970407	691	0.2−	0.3+	970416	691	0.3+	0.4+

1991 AC = 1989 SA$_4$ = 1992 GT$_7$

Id. S. Nakano (*MPC* 17830), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	102.69532		(2000.0)		**P**		**Q**
n	0.20093017	ω	62.94263		−0.51454627		−0.85639857
a	2.8869502	Ω	58.08848		+0.76781122		−0.48234716
e	0.0158238	i	2.88360		+0.38171725		−0.18418117
P	4.91	H	13.0	G	0.15	U	1

Residuals in seconds of arc

890926	809	0.2−	1.8−	910109	896	(3.2+	0.3−)	920502	691	0.9−	0.5−
890926	809	0.2−	1.4−	910109	896	(3.4+	2.0+)	920502	691	1.0−	0.1−
890926	809	0.2+	1.5−	910115	896	(2.4+	1.3−)	960118	691	1.0−	0.1−
890928	809	0.7−	0.3+	910115	896	1.6+	1.3+	960118	691	1.2−	0.1−
890928	809	1.2−	0.9+	910116	675	1.1+	0.9−	960118	596	0.0	0.1+
890928	809	0.1−	0.8+	910116	675	1.0+	1.1−	960118	596	0.0	0.1+
890929	675	0.7+	0.3+	910119	675	0.8−	0.5−	960118	596	0.0	0.1−
890929	675	0.3+	0.1+	910119	675	0.2−	0.5+	960119	596	0.2−	0.0
891003	809	(3.3+	1.9−)	910122	896	(2.2−	1.1−)	960119	596	0.1−	0.1−
891003	809	(3.1+	2.1−)	920406	809	(4.4−	2.2−)	970402	704	1.1+	0.6+
891003	809	2.5+	1.6−	920406	809	(4.6−	3.0−)	970402	704	0.0	0.3−
910108	896	(5.5+	2.1+)	920406	809	(4.3−	2.9−)	970428	684	0.3+	1.4−
910108	896	(3.7+	1.5+)	920502	691	1.1−	0.4−	970428	684	0.2+	1.3−

1991 CE$_1$ = 1969 JH = 1977 UN$_3$ = 1997 GY$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	15.53449		(2000.0)		**P**		**Q**
n	0.17483917	ω	332.84446		−0.98322927		+0.17294214
a	3.1674533	Ω	217.25808		−0.14510325		−0.93412284
e	0.0713472	i	5.48707		−0.11047735		−0.31225875
P	5.64	H	12.7	G	0.15	U	2

Residuals in seconds of arc

690505	095	0.4−	1.5−	910212	896	0.5−	1.0+	970405	704	0.4+	0.0
771018	675	0.2−	0.2−	910213	896	0.5−	0.0	970406	704	0.3+	0.6+
771019	675	0.2+	0.2+	910213	896	1.5+	2.8−	970406	704	0.4+	0.3−
910209	675	1.4−	0.6−	970403	704	0.3−	0.5+	970407	704	0.3+	0.3+
910209	675	0.2+	0.4−	970403	704	0.5−	0.2+	970407	704	0.2−	0.7+
910212	896	0.4+	2.0+	970405	704	0.1+	0.0				

1991 GN$_9$ = 1991 HP = 1996 TU$_{40}$

Id. G. V. Williams (d, *MPC* 20313), K. Ichikawa

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	335.85463		(2000.0)		**P**		**Q**
n	0.27911005	ω	24.91286		−0.39647580		−0.91749238
a	2.3189198	Ω	88.45854		+0.83686055		−0.37546297
e	0.1528153	i	1.82608		+0.37745378		−0.13128329
P	3.53	H	15.8	G	0.15	U	6

Residuals in seconds of arc

910410	809	0.9−	1.1−	910419	809	1.6−	1.1+	961010	809	1.2+	0.2+
910410	809	1.5−	1.2−	910419	809	2.0+	0.2−	961010	809	0.7+	1.0+
910410	809	1.6−	1.9−	910419	675	0.7+	0.6−	961010	809	0.7+	1.2+
910411	033	0.7+	1.0+	910419	675	0.9+	0.3−	961013	566	1.0−	1.1−
910411	033	0.2−	1.3+	961008	809	0.3+	0.3−	961013	566	1.5−	1.0−
910412	033	0.1−	1.7+	961008	809	0.3−	0.3+	961013	566	1.3−	0.9−
910419	809	1.4+	0.0	961008	809	1.4+	0.1−				

1991 PO$_{11}$ = 1984 SB$_4$ = 1997 HJ$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	261.58729		(2000.0)		**P**		**Q**
n	0.27646832	ω	109.40080		+0.44554462		+0.89515502
a	2.3336683	Ω	187.10330		−0.85732081		+0.42220836
e	0.1231725	i	6.35737		−0.25785852		+0.14296011
P	3.56	H	14.0	G	0.15	U	4

Residuals in seconds of arc

840927	033	0.3+	0.0	910916	675	0.8+	0.6−	970428	704	1.3−	0.8−
840927	033	0.2−	0.4−	910916	675	1.0+	0.3−	970428	704	1.1−	0.6−
910809	675	1.0+	1.2+	910917	675	0.0	0.5+	970428	704	1.1−	0.4−
910810	675	0.5−	0.5−	910917	675	0.1−	0.3−	970428	704	0.2−	0.7−
910913	675	(0.9− | 3.3−)	970407	691	0.0	0.9−	970429	704	0.4+	0.4−
910913	675	0.4+	1.1−	970407	691	0.0	0.9−	970429	704	0.4+	0.9−
910915	675	0.1−	1.0−	970407	691	0.3+	1.1−	970429	704	0.8+	0.0
910915	675	0.3+	0.4−	970428	704	1.4−	1.1−	970429	704	0.8+	0.4−

1991 RQ$_4$ = 1997 HV$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	99.56607		(2000.0)		**P**	**Q**	
n	0.25110941	ω	120.50911		+0.18575669	−0.98160115	
a	2.4882503	Ω	318.71118		+0.87700203	+0.18591283	
e	0.0669873	i	3.84078		+0.44312741	+0.04353838	
P	3.93	H	14.5	G	0.15	U	5

Residuals in seconds of arc

910913	033	0.2+	0.3+	911007	033	0.8+	0.1−	970428	704	1.4−	0.7−
910913	033	0.4−	0.5−	911007	033	1.3−	0.1−	970429	704	0.9+	1.2+
910913	033	0.3+	0.3+	911008	033	0.2−	0.2+	970429	704	1.3+	0.5+
910914	033	0.5+	0.5+	911009	033	0.5+	0.2−	970429	704	0.8+	0.4+
910915	033	0.1−	0.0	970428	704	0.8−	0.0	970429	704	1.1+	0.1+
910915	033	1.3−	0.1+	970428	704	0.4−	0.6−				
910918	033	0.9+	0.1−	970428	704	1.4−	0.6−				

1991 RY$_8$ = 1991 SK$_1$ = 1997 HH$_{11}$

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

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	219.83169		(2000.0)		**P**	**Q**	
n	0.28418116	ω	10.08719		+0.94732871	−0.32011313	
a	2.2912503	Ω	8.60169		+0.28908548	+0.84154752	
e	0.1386037	i	3.75408		+0.13783287	+0.43511533	
P	3.47	H	14.0	G	0.15	U	4

Residuals in seconds of arc

910911	675	0.2−	0.2−	911006	691	0.9−	0.0	970501	704	0.4−	0.4+
910911	675	0.1−	0.8−	970430	704	0.4−	0.0	970501	704	0.2−	0.2+
910914	675	0.6+	0.1+	970430	704	0.3−	0.3+	970501	704	0.4−	0.3+
910914	675	0.7+	0.2+	970430	704	0.3−	0.0	970505	704	0.3+	0.3−
910930	400	1.1+	1.2+	970430	704	0.5−	0.1−	970505	704	0.2+	0.4−
910930	400	0.4+	0.1−	970430	704	0.2−	0.1+	970505	704	0.2+	0.3−
911006	691	0.9−	0.0	970501	704	0.8+	0.2+	970505	704	0.6+	0.0
911006	691	0.9−	0.1−	970501	704	0.1−	0.1−	970505	704	0.7+	0.0

1991 RU$_{17}$ = 1991 PQ$_{17}$ = 1985 YT = 1990 FL$_1$

Id. S. Nakano (d, *MPC* 19822), E. Bowell (1988, 1990 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	231.30626		(2000.0)		**P**	**Q**	
n	0.29295283	ω	179.78602		+0.98142929	−0.19149245	
a	2.2452821	Ω	191.27289		+0.17590949	+0.92189429	
e	0.0297752	i	3.30729		+0.07650094	+0.33681086	
P	3.36	H	13.5	G	0.15	U	3

Residuals in seconds of arc

851218	688	1.4−	0.7−	900327	400	(2.4+ | 9.7+)	910916	675	0.5+	0.5+
851218	688	1.3+	0.2−	910808	675	0.9−	0.1+	910917	675	0.1+	0.4+
881106	675	0.1−	0.8+	910913	675	0.3+	0.6−	910917	675	0.5+	0.7+
881106	675	0.2−	0.1+	910913	675	1.0−	0.4−	910917	675	1.1+	0.0
900327	675	0.9+	0.5−	910915	675	0.4−	0.0	910917	675	0.0	0.7−
900327	675	0.9−	0.4+	910915	675	0.1+	0.6−				
900327	400	(2.3+ | 9.0+)	910916	675	0.1−	0.0				

1991 TU$_5$ = 1997 FN$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	111.61317		(2000.0)		**P**	**Q**	
n	0.25977855	ω	104.11779		+0.01613117	−0.99975821	
a	2.4325803	Ω	344.93403		+0.89375808	+0.02111786	
e	0.0899856	i	3.29573		+0.44825916	−0.00612812	
P	3.79	H	15.9	G	0.15	U	6

Residuals in seconds of arc

911003	033	0.2+	0.2−	911010	691	0.5−	0.0	970405	704	1.1−	1.0+
911004	033	0.1+	0.1−	970331	704	0.4−	0.8−	970405	704	0.4+	0.1+
911004	033	0.7+	0.2−	970331	704	0.5−	0.1+	970407	704	0.3+	0.3+
911010	691	0.3−	0.1+	970403	704	0.2+	0.4−	970407	704	0.5+	0.3−
911010	691	0.2−	0.2+	970403	704	0.4+	0.1−				

1991 TH$_6$ = 1997 JS$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	215.84246		(2000.0)		**P**	**Q**	
n	0.27226447	ω	101.73529		+0.97919554	+0.19781652	
a	2.3576287	Ω	246.86863		−0.20000914	+0.90328313	
e	0.1420278	i	2.81846		−0.03424079	+0.38072065	
P	3.62	H	15.5	G	0.15	U	5

Residuals in seconds of arc

910913	675	0.6+	0.1−	911009	033	0.7−	0.2−	970507	568	0.7+	0.2−
910913	675	0.4−	0.5−	970507	568	0.1−	0.9−	970508	568	0.7−	0.7+
911002	033	0.2−	0.8+	970507	568	0.4+	0.9−	970508	568	0.1+	0.1+
911002	033	0.0	0.7+	970507	568	0.2−	0.6+	970508	568	0.2+	0.3+
911003	033	0.0	1.1+	970507	568	0.2+	0.1−	970508	568	0.0	0.4+
911008	033	0.0	0.6−	970507	568	0.8−	0.2−	970508	568	0.0	0.5+
911008	033	0.6+	1.2−	970507	568	0.3+	0.4−	970508	568	0.1+	0.3+

1991 VN$_9$ = 1997 GX$_{34}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	355.35783		(2000.0)		**P**	**Q**	
n	0.26098380	ω	20.92028		−0.75624154	+0.65330932	
a	2.4250853	Ω	200.00463		−0.61420581	−0.72772895	
e	0.0838738	i	6.01639		−0.22549933	−0.20880015	
P	3.78	H	16.0	G	0.15	U	5

Residuals in seconds of arc

911104	691	0.2−	0.9+	911109	691	0.0	0.3−	970313	809	2.2+	0.6−
911104	691	0.3−	0.2+	911109	691	0.1−	0.6−	970313	809	0.1+	0.4+
911104	691	0.5−	0.5+	911109	691	0.3+	0.6−	970403	704	0.3−	1.2+
911108	691	0.4+	0.2+	911109	691	0.7+	0.3−	970403	704	0.2−	1.2+
911108	691	0.1−	0.0	970312	809	0.6−	1.4−	970411	704	0.1−	0.4+
911108	691	0.2+	0.1−	970312	809	0.0	0.1−	970411	704	0.3−	0.2+

911109 691 0.1− 0.5+ 970312 809 0.6− 0.6−
911109 691 0.5− 0.2+ 970313 809 0.1+ 0.2−

1992 ER$_{11}$ = 1993 QR$_{10}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	67.96666		(2000.0)		**P**	**Q**	
n	0.25364825	ω	90.19791		−0.52300832	+0.85113035	
a	2.4716187	Ω	148.13764		−0.81207579	−0.48151863	
e	0.1663135	i	4.90764		−0.25883432	−0.20908597	
P	3.89	H	13.1	G	0.15	U	5

Residuals in seconds of arc

920229 809 0.2+ 0.2+ 920306 809 0.2− 0.0 930820 675 0.1+ 0.4+
920305 691 0.5− 0.3− 920308 809 0.9+ 0.1− 930820 675 0.4+ 0.5+
920305 691 0.7− 0.6− 920309 809 0.8+ 0.5+ 930824 675 0.2+ 0.7−
920305 691 0.7− 0.3− 920406 809 0.1+ 0.2+ 930824 675 0.6− 0.7−

1992 EQ$_{14}$ = 1985 UE$_6$ = 1997 GY$_{34}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	85.37288		(2000.0)		**P**	**Q**	
n	0.21110208	ω	259.42145		−0.50127837	−0.86472684	
a	2.7934509	Ω	220.71148		+0.81136540	−0.45724601	
e	0.0462488	i	2.73336		+0.30067623	−0.20778254	
P	4.67	H	13.0	G	0.15	U	4

Residuals in seconds of arc

851018 095 0.5− 1.5+ 970312 809 (1.9− 3.9−) 970313 809 1.4− 0.4+
920301 809 0.6− 0.2+ 970312 809 (2.0− 4.2−) 970403 704 0.3+ 0.5+
920303 809 0.7− 0.5− 970312 809 (2.7− 4.1−) 970403 704 0.1+ 0.8+
920306 809 0.7+ 0.0 970313 809 0.4− 0.3+ 970411 704 1.0+ 0.7−
920407 809 0.5+ 0.1+ 970313 809 0.5+ 0.2− 970411 704 0.5+ 0.5+

1992 EV$_{32}$ = 1997 GJ$_{33}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	160.37179		(2000.0)		**P**	**Q**	
n	0.21534228	ω	194.80622		+0.71738933	−0.69605456	
a	2.7566598	Ω	209.37287		+0.64511040	+0.67960296	
e	0.1089571	i	3.42886		+0.26303065	+0.23162009	
P	4.58	H	14.5	G	0.15	U	6

Residuals in seconds of arc

920302 809 0.0 0.0 970403 704 0.2− 0.5+ 970411 704 0.1+ 1.0−
920305 809 0.5− 0.0 970403 704 1.4− 0.5+ 970411 704 0.3+ 0.6+
920309 809 0.4+ 0.7− 970411 704 0.9+ 0.5−
920407 809 0.0 0.7+ 970411 704 0.3+ 0.2−

1992 LR

Id. C. W. Hergenrother (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	344.69681		(2000.0)		**P**	**Q**	
n	0.39783473	ω	67.75827		+0.51428333	+0.85715388	
a	1.8309125	Ω	233.22219		−0.79928027	+0.46708308	
e	0.4092911	i	2.02355		−0.31090789	+0.21707286	
P	2.48	H	18.0	G	0.15	U	0

Residuals in seconds of arc

920521 413 0.3+ 0.2− 920629 589 0.6− 0.5− 920818 595 0.3+ 0.4−
920521 413 0.3− 0.6− 920629 589 0.4− 0.4− 920818 595 0.1− 1.4+
920527 675 (0.9− 4.0−) 920629 589 0.5− 0.4− 920819 595 0.9− 1.1−
920527 675 (5.4− 1.9−) 920703 657 0.7− 1.0+ 920819 595 0.3− 0.4−
920530 675 0.7+ 0.4+ 920703 657 0.9− 1.1+ 920820 413 0.2− 0.0
920530 675 0.7− 0.8− 920703 657 0.7− 0.8+ 920820 413 0.4− 0.0
920602 402 1.2+ 0.2− 920703 657 0.2− 1.0+ 920820 104 (1.5+ 2.9+)
920602 402 0.5+ 0.2− 920703 657 0.4− 1.0+ 920820 104 (2.8+ 2.4+)
920603 675 0.7− 0.7+ 920703 657 0.1− 0.9+ 920821 323 1.2+ 0.4−
920603 675 0.6− 0.5+ 920703 413 0.3+ 0.3+ 920821 595 1.5+ 0.1+
920605 675 0.6− 0.2− 920703 413 0.2+ 0.2+ 920821 595 1.5− 0.7+
920605 675 1.3− 0.1+ 920703 589 (1.1+ 3.7+) 920822 413 0.2− 0.3−
920605 413 0.6− 0.1− 920703 589 (2.1+ 3.4+) 920822 413 0.1− 0.3−
920605 413 (0.6− 2.4−) 920703 589 (1.9+ 2.4+) 920824 801 0.1+ 0.1−
920606 675 0.9− 0.5− 920703 589 0.5+ 1.9+ 920824 801 0.2+ 0.1−
920606 675 0.6− 0.4− 920704 657 0.4+ 0.6+ 920824 675 0.6+ 1.1−
920608 675 0.5− 0.6− 920704 657 0.4+ 0.4+ 920824 675 0.0 0.7−
920608 675 0.2+ 0.2− 920704 657 0.2+ 0.6+ 920824 587 1.0− 0.4−
920623 474 1.0+ 0.7− 920705 413 0.3− 0.1+ 920824 587 0.5− 0.4+
920623 474 (2.0+ 1.0−) 920705 413 0.6− 0.0 920824 587 0.1− 1.3+
920623 413 0.8+ 0.7− 920719 104 1.6+ 0.0 920824 587 0.1− 0.1−
920623 413 0.2− 1.1− 920721 104 (3.8+ 2.4+) 920826 801 0.3+ 0.1−
920623 589 0.7+ 1.2+ 920721 104 0.5− 1.4+ 920826 801 0.2+ 0.0
920623 589 1.5+ 1.9+ 920721 600 (1.1+ 3.0+) 920827 046 0.5+ 0.9−
920623 589 1.2+ 1.5+ 920721 600 0.7+ 1.1+ 920827 046 1.9+ 0.8+
920623 589 0.9+ 0.4+ 920722 323 1.7− 0.6− 920828 323 0.1− 0.9−
920623 589 0.7+ 0.9+ 920724 657 0.4− 0.6+ 920830 104 0.9− 0.5+
920624 657 0.1− 1.0− 920724 657 0.0 0.3− 920830 104 0.8+ 0.7+
920624 657 0.1+ 0.1− 920724 104 0.7+ 1.2+ 920905 413 (2.4− 0.5+)
920624 474 0.0 1.2+ 920724 587 0.5+ 0.2+ 920905 413 (2.3− 0.6+)
920624 474 0.7+ 1.2+ 920724 104 (3.9− 0.5−) 920906 413 0.8+ 0.2−
920625 675 0.1− 1.0− 920724 587 0.2+ 0.4+ 920906 413 0.2− 0.0
920625 657 0.4+ 0.5− 920726 801 0.4− 0.1− 920906 413 0.3− 0.1−
920625 657 0.9+ 0.2− 920726 801 0.5− 0.2+ 920906 413 0.2− 0.1−
920625 657 0.5+ 0.4− 920726 658 0.9− 0.3− 920906 413 0.3− 0.5−
920625 657 0.7+ 0.5− 920726 658 0.8− 0.2− 920906 413 0.4− 0.5−
920625 675 0.3− 0.2− 920726 658 0.6− 0.1− 920906 413 0.2− 0.4+
920625 589 (6.9+ 11.7−) 920727 323 1.9+ 0.2− 920906 413 0.2− 0.4+
920625 589 (8.0+ 2.3−) 920728 801 0.5− 0.3− 920906 413 0.2− 0.4+
920625 589 (4.4+ 1.6−) 920728 801 0.3− 0.4− 920906 413 0.3− 0.4+
920626 675 0.4− 0.1+ 920729 104 0.5− 0.3+ 920924 801 0.5− 0.1+
920626 675 1.3− 0.2+ 920729 104 0.3+ 0.6+ 920924 801 0.6− 0.1+
920626 657 0.2+ 0.4− 920730 801 0.4− 0.8− 920927 670 0.2− 0.0
920626 657 0.5+ 0.6− 920730 801 0.6− 0.8− 920927 670 0.4+ 0.5−
920626 657 0.5+ 0.4− 920730 595 1.4+ 0.4+ 920927 670 0.1+ 1.5−
920626 589 0.2+ 0.2− 920730 595 1.4+ 1.3+ 920930 801 0.2− 0.5+
920626 589 0.1+ 0.3− 920731 323 0.3− 0.2+ 920930 801 0.2− 0.5+
920626 589 0.9− 0.9− 920801 104 (4.0− 1.0−) 921004 675 0.8− 1.0−
920626 589 0.0 0.1− 920801 104 (2.1+ 0.8+) 921004 675 0.7+ 0.9−
920627 675 1.2− 1.1− 920802 675 0.7+ 1.7− 921013 413 0.1+ 1.0+
920627 675 0.7− 0.5− 920802 104 (3.1+ 0.9+) 921013 413 0.0 0.5+
920627 589 0.4+ 0.8− 920802 104 1.8− 0.3+ 970315 691 0.2+ 0.8−
920627 589 0.6+ 1.3− 920803 801 0.6− 0.1− 970315 691 0.3+ 0.7−
920627 589 0.0 0.1− 920803 801 0.5− 0.2− 970315 691 0.7+ 0.3−

920627	589	0.6+	0.8−	920803	675	(1.0+	3.5−)	970515	696	0.0	0.0
920627	589	0.2+	1.0−	920803	675	0.0	1.8−	970515	696	0.2+	0.0
920628	675	0.3+	1.1−	920805	413	0.3+	0.0	970515	696	0.2+	0.1−
920628	675	(2.5+	0.6+)	920805	413	0.2−	0.0	970517	046	0.4−	0.6+
920629	675	0.7+	0.3−	920817	323	0.2+	0.5+	970517	046	0.5−	0.8−
920629	675	0.8−	1.2−	920817	595	(3.4−	0.8+)	970518	118	0.0	1.0+
920629	589	0.5−	0.3−	920817	595	2.0+	0.8+	970518	118	0.0	0.3+
920629	589	0.7−	0.2−	920818	323	0.2+	0.1+	970518	118	0.3−	0.8+

1992 UB

Id. C. W. Hergenrother (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	313.81200		(2000.0)		**P**	**Q**	
n	0.18352874	ω	290.66491		+0.96147653	−0.07449573	
a	3.0666673	Ω	74.35928		+0.19152518	+0.87202502	
e	0.5826716	i	15.94859		−0.19718261	+0.48375897	
P	5.37	H	16.0	G	0.15	U	2

Residuals in seconds of arc

920905	413	(7.6+	1.9−)	921120	657	0.0	0.9−	921209	413	0.1−	0.4+
920905	413	0.2+	0.2+	921122	413	1.3+	0.1−	921210	413	0.3−	0.4−
921021	413	(0.4−	3.9+)	921124	657	1.0−	0.3+	921210	413	0.1−	0.2+
921021	413	0.1+	1.6−	921124	657	0.6−	0.4+	921212	413	0.2+	0.9+
921022	413	0.7−	0.0	921124	657	0.9−	0.0	921221	801	0.1+	0.2−
921023	413	0.3+	0.2+	921129	801	0.0	0.4−	921228	801	0.5+	0.2−
921025	413	0.1+	0.3+	921129	801	0.2+	0.7−	921228	801	1.0+	0.6−
921026	413	0.1−	0.1+	921201	658	0.3−	0.4+	930106	413	0.5−	0.6−
921027	413	0.4−	1.1+	921201	658	0.2+	0.5+	970514	696	0.3−	0.1+
921113	413	1.8+	0.4−	921201	658	0.2−	0.3+	970514	696	0.2−	0.0
921120	657	0.1−	0.1+	921209	413	0.5−	0.6+	970515	696	0.5+	0.0

1992 WJ

Id. E. Bowell (1988, 1990 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	27.58356		(2000.0)		**P**	**Q**	
n	0.26128553	ω	87.22882		−0.39654748	−0.91780168	
a	2.4232180	Ω	26.16130		+0.82346014	−0.36513247	
e	0.1541899	i	2.56780		+0.40578750	−0.15594345	
P	3.77	H	14.0	G	0.15	U	3

Residuals in seconds of arc

881013	675	0.6−	0.6+	921102	399	0.8−	0.8−	921118	399	1.1−	0.1+
881013	675	0.3+	0.2+	921102	399	0.3+	1.5−	921118	399	0.7−	0.5−
900327	675	0.3+	0.6+	921116	399	0.5+	1.8+	921118	402	0.4+	1.2−
900327	675	0.0	0.1+	921116	399	(3.1+	0.8−)	921118	402	1.3+	0.8+
921025	675	0.3−	0.9+	921117	402	0.0	1.0+	921127	399	0.2−	1.2−
921025	675	0.2+	0.0	921117	402	(3.4+	2.4+)	921127	399	0.5+	0.4+

1992 YN_2 = 1997 JY

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	47.13683		(2000.0)		**P**	**Q**	
n	0.28257786	ω	83.22102		−0.93768159	−0.34527288	
a	2.2999089	Ω	76.57482		+0.30075967	−0.86294225	
e	0.1401217	i	2.31214		+0.17405991	−0.36894080	
P	3.49	H	15.0	G	0.15	U	5

Residuals in seconds of arc

921218	010	0.7−	0.6+	930117	010	0.2+	0.7−	970504	540	0.0	0.1−
921219	010	0.9−	0.6+	930117	010	0.1−	0.3−	970504	540	0.0	0.1−
921219	010	1.0−	0.5+	930117	010	1.9+	0.2−	970504	540	0.3+	0.4+
921219	010	1.0+	1.0+	970502	540	0.1+	0.3+	970510	540	0.1+	0.2+
921219	010	0.2+	1.3+	970502	540	0.3+	0.5+	970510	540	0.4+	0.2−
921220	010	0.2−	0.7+	970502	540	0.0	0.3+	970510	540	0.2−	0.1−
930116	010	0.8+	0.8−	970503	540	0.1+	0.3+	970511	540	0.2+	0.6−
930116	010	0.0	1.2−	970503	540	0.7−	0.2+	970511	540	0.3−	0.2−
930116	010	0.7−	1.2−	970503	540	0.3+	0.3+	970511	540	0.1−	0.6−

1993 EE = 1994 RJ_{12}

Id. E. Bowell, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	58.26485		(2000.0)		**P**	**Q**	
n	0.28566528	ω	67.59472		−0.91181011	+0.40786016	
a	2.2833076	Ω	136.43664		−0.39749851	−0.84779676	
e	0.1453420	i	3.94887		−0.10294296	−0.33895536	
P	3.45	H	14.5	G	0.15	U	4

Residuals in seconds of arc

930301	385	0.8−	0.3+	930314	411	0.1+	0.2−	930329	385	0.1−	1.2+
930301	385	0.6−	1.7−	930316	372	0.3−	0.9+	930414	675	0.2+	1.1+
930302	385	0.5+	0.8−	930316	372	1.3+	1.7+	930414	675	0.7+	0.3−
930302	385	0.0	0.4−	930317	372	1.2−	1.2−	930414	385	0.3+	0.3−
930302	385	0.1−	0.4−	930317	372	1.5−	0.0	930414	385	0.2+	0.4−
930313	385	0.2−	0.2+	930320	385	1.1+	0.4−	930414	385	0.6+	0.7−
930313	385	0.2−	0.1−	930320	385	0.1+	0.8−	940901	033	0.2−	0.5−
930313	385	0.1−	0.3+	930320	385	0.0	0.3−	940902	033	0.7+	1.0−
930314	411	0.1−	0.3−	930329	385	1.0−	0.1−	940912	675	0.5+	0.5−
930314	411	0.5+	0.3−	930329	385	0.2−	0.5+	940912	675	0.1+	0.8−

1993 EJ = 1997 JV_{12}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	19.03409		(2000.0)		**P**	**Q**	
n	0.26258823	ω	162.37512		−0.84534639	+0.52595517	
a	2.4151969	Ω	49.72818		−0.50372467	−0.72641564	
e	0.0750921	i	7.04643		−0.17790711	−0.44237030	
P	3.75	H	14.0	G	0.15	U	4

Residuals in seconds of arc

930304	372	0.4−	1.6−	930416	413	1.4+	1.0+	970503	809	0.6−	0.1−
930304	372	3.0−	0.9+	970207	327	0.7+	1.1+	970504	809	0.2−	1.3−
930305	372	0.7−	0.3+	970207	327	0.7+	0.8+	970504	809	0.1+	0.2−
930317	809	0.4+	0.2−	970207	327	0.5+	1.3+	970504	809	0.1+	0.7+
930318	809	1.4+	1.3−	970503	809	0.5+	0.7−				
930323	809	(2.3+	0.6−)	970503	809	0.7−	0.4+				

1993 FO_6 = 1990 UO_{14}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	89.03036		(2000.0)		**P**	**Q**	
n	0.19736508	ω	326.38981		+0.82309635	−0.56572480	
a	2.9216118	Ω	68.13986		+0.53211575	+0.73771193	
e	0.0573686	i	3.06829		+0.19840671	+0.36842444	
P	4.99	H	12.5	G	0.15	U	2

Residuals in seconds of arc

880318	675	0.6+	1.5+	930318	809	0.4+	0.5−	961207	411	0.6−	0.7−
880318	675	0.4+	0.5+	930323	809	1.0+	0.6−	961207	411	0.6+	0.1+
901022	675	0.2+	1.6+	930412	372	0.2−	1.0−	961208	411	0.1−	0.4+
901022	675	0.8−	0.1−	930412	372	0.6−	0.7+	961208	411	0.2+	0.2+
930317	809	1.6−	1.1+	930416	413	0.7+	0.4−				

1993 FZ$_6$ = 1997 JD$_{10}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	332.26547		(2000.0)		**P**	**Q**	
n	0.26507524	ω	208.94006		+0.14613551	+0.98779210	
a	2.4000665	Ω	69.50657		−0.89618505	+0.15528504	
e	0.1998868	i	3.30211		−0.41892334	+0.01238264	
P	3.72	H	14.5	G	0.15	U	6

Residuals in seconds of arc

930317	809	2.0+	0.2−	930320	691	1.1−	0.1+	970509	358	(4.1−	2.5+)
930318	809	0.7−	0.0	930323	809	1.5+	1.5−	970511	358	1.4+	0.9−
930320	691	1.1−	0.1+	930416	413	0.7+	1.3+	970511	358	0.4+	0.4+
930320	691	1.1−	0.2+	970509	358	1.9−	0.3+				

1993 FQ$_8$ = 1986 HF = 1997 GX$_6$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	254.36133		(2000.0)		**P**	**Q**	
n	0.27039467	ω	313.06717		+0.97309394	+0.21652083	
a	2.3684850	Ω	34.64779		−0.14962798	+0.85385989	
e	0.1399932	i	7.96538		−0.17521315	+0.47333077	
P	3.65	H	14.0	G	0.15	U	5

Residuals in seconds of arc

860429	675	1.2−	1.9−	930323	809	0.3+	1.3+	970406	704	0.1−	0.9+
860429	675	0.4+	0.5+	930416	413	1.4+	0.8−	970406	704	0.4+	0.3−
930317	809	0.7−	1.2−	970402	704	0.6+	0.2+	970408	704	0.3+	0.2+
930318	809	0.9−	0.7+	970402	704	0.7−	0.4+	970408	704	0.1+	0.2+

1993 FS$_{10}$ = 1994 RO$_2$

Id. A. Gnädig

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	261.72271		(2000.0)		**P**	**Q**	
n	0.25541966	ω	148.00612		+0.78056523	+0.62491640	
a	2.4601778	Ω	173.26523		−0.59577978	+0.75059617	
e	0.0944198	i	6.88108		−0.18911471	+0.21467391	
P	3.86	H	13.5	G	0.15	U	5

Residuals in seconds of arc

930319	809	0.4+	0.1+	930324	691	0.6−	0.3−	940908	691	0.2−	0.1+
930320	809	0.4+	0.1+	930416	413	0.3+	0.0	940908	691	0.1+	0.3−
930323	809	1.1+	1.1+	940902	691	0.0	0.2+	940908	691	0.1+	0.1−
930324	691	0.6−	0.2−	940902	691	0.0	0.0				
930324	691	0.8−	0.8−	940902	691	0.0	0.0				

1993 FR$_{13}$ = 1997 HU$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	121.42669		(2000.0)		**P**	**Q**	
n	0.26647567	ω	46.63107		−0.12488014	−0.98868986	
a	2.3916503	Ω	50.73034		+0.87646360	−0.14915861	
e	0.1217633	i	6.15828		+0.46499088	+0.01562260	
P	3.70	H	15.0	G	0.15	U	5

Residuals in seconds of arc

930317	809	0.9−	1.0+	970406	704	0.1−	0.1−	970501	704	1.4+	0.2−
930318	809	0.3+	0.2−	970430	704	0.4+	1.0+	970501	704	0.4+	2.5−
930323	809	1.8+	0.9−	970430	704	0.3−	0.9+	970501	704	0.1+	0.2−
930416	413	1.4−	0.1−	970430	704	0.2+	0.1+	970501	704	0.5+	0.6+
970406	704	0.4+	0.6+	970430	704	2.7−	0.2+				

1993 FC$_{22}$ = 1971 QR$_2$ = 1978 JK$_1$ = 1986 NV = 1997 GQ$_{35}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	303.22129		(2000.0)		**P**	**Q**	
n	0.26022471	ω	114.49401		+0.53480853	+0.84496602	
a	2.4297991	Ω	187.83969		−0.78424277	+0.49482367	
e	0.1373663	i	1.47082		−0.31455224	+0.20293338	
P	3.79	H	14.5	G	0.15	U	2

Residuals in seconds of arc

710819	808	0.2−	0.7+	970406	704	0.1+	0.6−	970430	704	0.3+	0.3−
780506	095	0.1+	0.2+	970406	704	0.4−	0.5+	970501	704	0.0	0.2+
860708	801	(5.9−	0.8−)	970411	704	0.6−	0.0	970501	704	0.4−	0.1−
930321	809	0.2+	0.3+	970411	704	0.5−	0.2+	970501	704	0.4−	0.0
930322	809	1.2+	0.1+	970430	704	1.2+	0.2−	970501	704	0.3−	0.1−
930326	809	1.2−	0.8+	970430	704	0.1+	0.1+	970501	704	0.1−	0.1−
930327	809	0.3+	0.3+	970430	704	0.5+	0.0				
930418	413	(4.3−	0.4−)	970430	704	0.1+	0.9−				

1993 FS$_{22}$ = 1997 JU$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	102.64771		(2000.0)		**P**	**Q**	
n	0.23847247	ω	198.19520		+0.15893402	−0.98637453	
a	2.5753952	Ω	242.67819		+0.91165657	+0.16314201	
e	0.1206626	i	2.74112		+0.37897531	+0.02121243	
P	4.13	H	14.5	G	0.15	U	5

Residuals in seconds of arc

930321	809	1.0−	0.4+	970507	568	0.2+	0.1−	970508	568	0.2−	0.3−
930322	809	0.4+	0.3+	970507	568	0.3+	0.1−	970508	568	0.3−	0.1−
930326	809	0.2+	0.6−	970507	568	0.3+	0.4+	970508	568	0.2−	0.1+
930327	809	0.9+	0.5−	970507	568	0.3+	0.4+	970508	568	0.2−	0.4−
930416	413	0.5−	0.3+	970507	568	0.0	0.3+	970508	568	0.0	0.1−
970507	568	0.0	0.0	970507	568	0.1+	0.3+				
970507	568	0.1−	0.2−	970508	568	0.2−	0.3−				

1993 FP$_{26}$ = 1997 HY$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	31.46331		(2000.0)		**P**	**Q**	
n	0.23821991	ω	190.90681		−0.82151797	−0.56893401	
a	2.5772151	Ω	314.34915		+0.52702160	−0.73242474	
e	0.2381945	i	3.02315		+0.21761538	−0.37398942	
P	4.14	H	15.0	G	0.15	U	5

Residuals in seconds of arc

930321	809	0.5−	0.4−	970428	704	0.5−	0.5−	970429	704	1.0+	0.3+
930322	809	0.1+	0.1−	970428	704	0.1+	0.2−	970429	704	1.0+	0.4+
930326	809	0.3+	0.0	970428	704	0.3+	1.2−	970429	704	0.7−	0.3+
930418	413	0.0	0.1+	970428	704	1.7−	1.0+	970429	704	0.2−	0.0
970428	704	0.4+	0.5−	970429	704	0.6+	0.8+				

1993 FY$_{34}$ = 1997 HA

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	340.48553		(2000.0)		**P**	**Q**	
n	0.26083387	ω	86.07063		−0.20139015	+0.97940152	
a	2.4260145	Ω	172.26443		−0.93634100	−0.18810091	
e	0.0983576	i	6.24920		−0.28758918	−0.07342149	
P	3.78	H	14.8	G	0.15	U	5

Residuals in seconds of arc

930319	809	0.3+	0.5−	970426	360	0.1−	0.1−	970428	360	0.2+	0.1−
930320	809	0.2+	0.3+	970426	360	0.4+	0.0	970428	360	0.3+	0.1+
930324	809	0.8−	1.0+	970428	367	0.0	0.3−	970505	360	0.2+	0.6+
930421	413	0.3+	0.9−	970428	367	0.7−	0.4−	970505	360	0.4+	0.4+
970426	360	0.4−	0.3−	970428	360	0.2−	0.2+				

1993 FR$_{35}$ = 1989 EO$_9$ = 1997 GE$_{38}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	100.76626		(2000.0)		**P**	**Q**	
n	0.26047755	ω	313.64091		−0.41550902	−0.90939587	
a	2.4282265	Ω	160.88599		+0.85014516	−0.39560009	
e	0.1278271	i	3.28187		+0.32342767	−0.12845124	
P	3.78	H	15.0	G	0.15	U	4

Residuals in seconds of arc

890305	033	0.3+	1.0+	970411	704	0.3−	0.3−	970430	704	0.7+	0.6+
890305	033	0.2+	0.5+	970411	704	0.3+	1.4−	970507	566	0.5−	0.2+
930319	809	0.2−	0.5−	970430	704	1.2+	0.8+	970507	566	1.5−	0.1−
930320	809	0.3−	0.8−	970430	704	1.6+	0.7+	970507	566	0.3−	0.1−
930324	809	0.1−	0.2+	970430	704	0.2+	0.7+				
930418	413	0.4−	1.6−	970430	704	1.0−	0.6+				

1993 FW$_{37}$ = 1997 HR$_5$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	5.91151		(2000.0)		**P**	**Q**	
n	0.23484240	ω	359.40113		−0.99813386	+0.05930061	
a	2.6018667	Ω	184.08496		−0.05514043	−0.97778824	
e	0.1135735	i	11.80084		−0.02623611	−0.20103132	
P	4.20	H	14.0	G	0.15	U	4

Residuals in seconds of arc

930319	809	0.4−	1.1+	930420	691	0.1+	0.1−	970428	704	1.0−	0.6−
930320	809	0.6−	0.7+	930624	691	0.3+	0.4−	970428	704	0.6−	0.8−
930324	809	0.3−	0.7+	930624	691	0.2+	0.5−	970429	704	1.5+	0.2−
930418	413	1.1+	0.6+	930624	691	0.2+	0.6−	970429	704	1.5+	0.8−
930420	691	0.0	0.2−	970428	704	1.0−	0.3+	970429	704	1.7+	0.1+
930420	691	0.1−	0.0	970428	704	0.6−	0.3−	970429	704	1.8−	0.1−

1993 NV = 1997 EX$_{47}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	289.90919		(2000.0)		**P**	**Q**	
n	0.20222983	ω	43.01430		+0.31504614	+0.94899316	
a	2.8745679	Ω	245.35288		−0.87446916	+0.28510918	
e	0.0526008	i	0.79217		−0.36884904	+0.13462811	
P	4.87	H	13.5	G	0.15	U	6

Residuals in seconds of arc

930712	809	0.3+	0.4−	930723	809	0.7+	1.1+	970312	809	0.0	0.0
930712	809	0.5+	0.1+	930723	809	0.7+	2.0+	970312	809	0.4−	0.6+
930712	809	0.4+	0.1−	930723	809	0.6+	1.7+	970312	809	0.1+	1.1+
930719	809	0.7−	0.9−	930726	809	1.4+	0.6−	970313	809	0.3+	0.2−
930719	809	1.8−	1.2−	930726	809	0.2+	0.8−	970313	809	0.4+	1.5−
930719	809	1.9−	0.5−	930726	809	0.3−	0.3−	970313	809	0.3−	0.0

1993 OR$_9$ = 1997 GJ$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	314.18220		(2000.0)		**P**	**Q**	
n	0.19759217	ω	110.14312		−0.18015422	+0.98339152	
a	2.9193729	Ω	149.45200		−0.91788853	−0.16001689	
e	0.0117328	i	2.48486		−0.35358890	−0.08564878	
P	4.99	H	14.0	G	0.15	U	5

Residuals in seconds of arc

930621	691	0.3−	0.8−	930720	809	0.7+	1.3+	970408	540	0.3+	0.6−
930621	691	0.2−	0.9−	930724	809	(2.4+ | 2.0+)	970413	540	0.6−	0.0
930621	691	0.3−	0.7−	930726	809	(5.6+ | 0.0)	970413	540	0.1−	0.1−
930713	809	0.4−	0.1−	930726	809	(2.9+ | 1.1−)	970502	540	0.2−	0.7+
930713	809	0.2−	0.8−	930726	809	0.3−	0.6−	970502	540	1.0−	0.7+
930713	809	1.0−	0.6−	970407	540	0.2+	0.5−	970510	540	0.7−	1.0+
930720	809	1.3+	1.5+	970407	540	0.6+	0.3−	970510	540	1.1+	0.2+
930720	809	0.7+	1.4+	970408	540	0.4+	0.7−				

1993 QF$_3$ = 1993 SN$_4$ = 1997 JP$_{12}$

Id. G. V. Williams (d, *MPC* 23324), B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	39.94272		(2000.0)		**P**	**Q**	
n	0.17523022	ω	26.95607		−0.99979184	+0.01274557	
a	3.1627391	Ω	153.75955		−0.01771419	−0.92971030	
e	0.1283344	i	2.06503		+0.01012346	−0.36807108	
P	5.62	H	13.0	G	0.15	U	6

Residuals in seconds of arc

930818	010	(5.0−	0.1−)	930824	809	1.2+	1.6+	970411	704	0.5−	0.7−
930819	010	(4.7−	0.9−)	930824	809	0.9+	1.3+	970503	809	0.2−	0.3+
930819	010	(8.6−	2.2−)	930919	010	0.1+	0.9−	970503	809	0.6−	0.3−
930819	010	(7.3−	2.4−)	930919	010	0.4+	0.5−	970503	809	1.2−	0.4−
930820	809	0.4−	1.7−	930920	010	0.6−	0.5−	970504	809	0.7+	0.5+
930820	809	1.5−	2.1−	930920	010	0.1−	0.5+	970504	809	1.2+	0.9+
930820	809	0.4−	0.6−	930920	010	0.1−	1.0+	970504	809	(1.1+	3.1+)
930824	809	0.4+	1.9+	970411	704	0.6+	0.3−				

1993 QQ_4 = 1973 AE_3 = 1991 EJ_8 = 1997 GW_{24}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	351.23817		(2000.0)	**P**		**Q**	
n	0.17258249	ω	61.24074	−0.74882378		+0.66267604	
a	3.1950052	Ω	160.25682	−0.61897110		−0.69324850	
e	0.1171551	i	1.88459	−0.23693403		−0.28331427	
P	5.71	H	13.0	G 0.15		U 3	

Residuals in seconds of arc

730102 095	0.2−	1.8−	930919 010	0.0	0.8−	970403 704	0.4+	0.4−
910309 675	0.3−	1.3−	930920 010	1.7+	1.4−	970403 400	0.0	0.0
910309 675	0.1−	1.1−	930920 010	1.2+	1.4−	970403 400	(0.4+	2.4−)
930815 809	1.4+	1.4+	930920 010	0.4−	0.3+	970409 400	1.6−	0.1−
930815 809	0.1−	0.4−	970312 809	0.4+	0.2+	970409 400	1.1−	0.7−
930815 809	0.4+	0.5−	970312 809	0.1−	0.3+	970410 400	(2.2−	0.6−)
930818 010	(3.2−	0.7−)	970312 809	0.2+	0.1−	970410 400	1.1−	1.0−
930819 010	0.4−	0.0	970313 809	0.6+	1.1+	970411 704	0.5−	0.3+
930819 010	1.0−	1.3−	970313 809	1.5+	0.4+	970411 704	0.0	0.0
930819 010	0.2−	1.5−	970313 809	0.4−	0.3−			
930919 010	0.5−	0.3+	970403 704	0.5+	1.9−			

1993 TP_{15} = 1997 JO_{12}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	321.73336		(2000.0)	**P**		**Q**	
n	0.18465058	ω	156.43978	+0.22506504		+0.97384818	
a	3.0542337	Ω	126.55280	−0.89998031		+0.22000121	
e	0.1576841	i	2.21674	−0.37333789		+0.05673793	
P	5.34	H	13.5	G 0.15		U 5	

Residuals in seconds of arc

931009 809	1.0+	0.2−	931020 809	0.3−	0.6+	970503 809	0.7−	0.7−
931009 809	0.5+	0.1−	931020 809	0.6+	1.1+	970503 809	0.9−	0.3−
931009 809	0.1−	0.5+	931020 809	0.8−	0.8+	970504 809	1.5+	1.1+
931011 809	0.3+	1.4−	970411 704	0.1+	0.8−	970504 809	1.7+	1.4+
931011 809	0.4−	0.7−	970411 704	0.9−	0.9−	970504 809	(1.5+	2.4+)
931011 809	0.8−	0.8−	970503 809	0.9−	0.1+			

1994 BW

Id. E. Bowell (1991 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	245.54269		(2000.0)	**P**		**Q**	
n	0.27840065	ω	123.40200	−0.65755525		+0.74332069	
a	2.3228574	Ω	104.98433	−0.72657374		−0.58251300	
e	0.0919904	i	7.30715	−0.19927793		−0.32886618	
P	3.54	H	14.0	G 0.15		U 5	

Residuals in seconds of arc

910416 675	0.7+	0.1−	940119 411	0.7+	0.4+	940202 411	0.2−	0.3−
910416 675	0.5+	0.6+	940119 411	0.1+	0.1+	940202 411	0.1+	0.4+
910515 675	0.8−	0.7−	940121 411	0.3+	0.4+	940202 411	0.7−	0.1−
910515 675	0.5−	0.2+	940121 411	0.3−	0.3−			
940119 411	0.1−	0.5−	940121 411	0.0	0.2−			

1994 EQ

Id. E. Bowell (1990 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	221.58491		(2000.0)	**P**		**Q**	
n	0.23868871	ω	230.24578	−0.29852049		+0.95045863	
a	2.5738395	Ω	22.83738	−0.79306039		−0.19650022	
e	0.1482160	i	12.90540	−0.53098092		−0.24086522	
P	4.13	H	13.5	G 0.15		U 5	

Residuals in seconds of arc

900327 675	0.2−	1.4+	940304 411	0.7−	0.9+	940310 411	0.2−	0.3−
900327 675	0.1−	0.8−	940306 411	0.3−	0.3+	940310 411	0.0	0.5−
900422 675	0.5−	0.9+	940306 411	0.4+	0.1−	940403 411	0.4−	0.2−
900422 675	0.7+	1.5−	940306 411	0.3−	0.3−	940403 411	1.2+	0.7+
940304 411	0.1+	0.8+	940310 411	0.0	1.6−	940403 411	0.3+	0.4+

1994 PZ = 1991 TR_{14} = 1993 DJ_3 = 1996 AH_{20}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	357.74531		(2000.0)	**P**		**Q**	
n	0.31595058	ω	139.49112	+0.33074510		+0.94332550	
a	2.1349610	Ω	149.79368	−0.87925727		+0.31852771	
e	0.1651624	i	3.10923	−0.34280364		+0.09315093	
P	3.12	H	15.0	G 0.15		U 2	

Residuals in seconds of arc

911005 691	0.1−	0.3+	940815 411	1.3−	0.8−	940903 033	1.1+	0.4+
911005 691	0.1−	0.5+	940817 411	0.2−	0.5−	940912 675	0.7+	0.1−
911005 691	0.3−	0.2+	940817 411	0.5−	0.1+	940912 675	0.5+	0.3−
930220 010	0.6−	2.2−	940827 411	0.3−	0.6+	941001 675	0.2+	0.7−
930220 010	0.2+	0.5−	940827 411	0.4+	0.3+	941001 675	1.0+	0.6−
930220 010	0.2−	1.0−	940901 411	0.4+	0.7+	960113 691	0.0	0.2+
940814 411	0.3−	0.1−	940901 411	0.2+	0.6+	960113 691	0.1−	0.4+
940814 411	0.3−	0.6−	940901 411	0.2+	0.5+	960119 691	0.4+	0.1+
940815 411	0.7−	0.6−	940901 033	0.2+	0.5−	960119 691	0.2−	0.4+
940815 411	1.0−	0.8−	940902 033	0.6+	0.6−	960119 691	0.2−	0.5+

1994 PN_5 = 1997 GK_{32}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	134.55465		(2000.0)	**P**		**Q**	
n	0.21876689	ω	277.29517	+0.37628742		−0.92617694	
a	2.7278155	Ω	150.56320	+0.86856206		+0.34339758	
e	0.0713671	i	2.86649	+0.32250229		+0.15580238	
P	4.51	H	14.5	G 0.15		U 5	

Residuals in seconds of arc

940810 809	1.0+	1.3+	940903 809	0.0	0.1−	940906 809	0.4+	1.5+
940810 809	1.2+	1.1+	940903 809	0.6−	0.8−	940906 809	2.2+	2.1+
940810 809	0.3−	1.2+	940903 809	0.9−	0.9−	940906 809	2.9+	2.7+
940811 809	0.7+	0.8−	940904 809	0.1+	1.7−	970403 704	0.2+	0.1−
940811 809	0.7−	0.8−	940904 809	0.4+	1.3−	970403 704	0.8−	0.4+
940811 809	0.8−	0.9−	940904 809	0.3−	0.3−	970411 704	0.6+	0.4−
940901 691	2.7−	1.1−	940905 809	1.4+	0.8+	970411 704	0.0	0.1+
940901 691	2.4−	0.5−	940905 809	0.3+	0.4−			
940901 691	2.4−	0.6−	940905 809	0.9+	0.4−			

1994 PT$_{16}$ = 1997 GM$_{37}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	330.74684		(2000.0)		**P**		**Q**
n	0.24609352	ω	343.96996		−0.37115158		+0.92775178
a	2.5219469	Ω	264.23034		−0.84758175		−0.35564725
e	0.0716232	i	2.24807		−0.37927783		−0.11310027
P	4.01	H	15.5	G	0.15	U	4

Residuals in seconds of arc

940810	809	0.7+	0.4−	940905	809	0.6+	0.9+	970405	566	0.1+	0.3−
940810	809	0.2−	0.4−	940905	809	0.3+	0.4+	970405	566	0.4−	0.0
940810	809	1.2−	0.4−	940905	809	0.1+	0.5−	970405	566	0.4−	0.4−
940811	809	0.4+	0.9+	940906	809	0.3+	0.1−	970411	704	0.3+	0.2+
940811	809	0.1−	0.1−	940906	809	0.8−	0.5−	970411	704	0.5+	0.5+
940811	809	0.5+	0.2+	940906	809	0.6−	0.0				

1994 PL$_{23}$ = 1988 CY$_5$ = 1992 DO$_{13}$

Id. B. G. Marsden

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	149.04642		(2000.0)		**P**		**Q**
n	0.24418415	ω	59.53071		−0.10062819		−0.99484343
a	2.5350765	Ω	36.25137		+0.90532234		−0.09683951
e	0.1513198	i	1.22765		+0.41263231		−0.03014386
P	4.04	H	14.5	G	0.15	U	5

Residuals in seconds of arc

880214	809	0.3−	0.7−	940812	809	0.7+	1.3+	940905	809	1.0−	0.8−
880214	809	0.1−	0.2+	940812	809	1.5+	0.6+	940906	809	0.7+	1.4+
880214	809	0.2−	0.9−	940813	809	0.9+	1.1−	940906	809	0.5+	1.4+
920227	033	0.1+	0.2+	940813	809	0.1−	1.1−	940906	809	0.3−	1.6+
920227	033	0.1−	0.2+	940813	809	0.4−	0.8−	940911	675	1.4−	1.7−
920228	033	0.3+	0.4+	940905	809	0.3+	1.3−	940911	675	0.8−	0.9+
940812	809	(2.3+	0.5+)	940905	809	0.1−	1.1−				

1994 PB$_{30}$ = 1997 GY$_{36}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	300.82098		(2000.0)		**P**		**Q**
n	0.25663503	ω	61.28058		+0.23401019		+0.97063668
a	2.4524045	Ω	222.37195		−0.91836100		+0.20187039
e	0.1332704	i	4.74171		−0.31914309		+0.13081586
P	3.84	H	15.0	G	0.15	U	5

Residuals in seconds of arc

940812	809	1.0−	0.6+	940905	809	1.7−	1.5−	970403	704	0.9+	0.5+
940812	809	0.9−	0.4+	940905	809	1.3−	2.1−	970403	704	0.4+	0.9−
940812	809	0.4−	0.3+	940906	809	(0.9−	3.8−)	970407	566	0.3+	0.1+
940813	809	2.5+	1.4+	940906	809	(1.5−	3.2−)	970407	566	1.2−	0.2+
940813	809	2.5+	1.0+	940906	809	(1.1−	4.7−)	970407	566	1.4−	0.2+
940813	809	2.0+	0.9+	970118	599	0.9+	0.5−				
940905	809	1.2−	1.7−	970118	599	0.2+	1.1−				

1994 RU = 1979 TR$_1$ = 1993 FP$_{84}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	277.38259		(2000.0)		**P**		**Q**
n	0.26100575	ω	276.24780		+0.80509362		+0.59188504
a	2.4249493	Ω	47.46917		−0.52133597		+0.73722011
e	0.1944350	i	3.00901		−0.28290116		+0.32585058
P	3.78	H	13.5	G	0.15	U	4

Residuals in seconds of arc

791014	095	0.2−	0.5+	940901	400	1.2−	0.3−	940912	675	0.2+	1.5−
930318	809	0.9+	1.2+	940901	400	0.3+	0.5+	940912	675	0.2+	0.3−
930319	809	(2.5+	4.8−)	940906	400	0.6−	0.7−	941002	400	0.1−	0.1−
930323	809	0.4−	0.2−	940906	400	0.3+	1.9+	941002	400	0.8+	0.7+

1994 RJ$_{11}$ = 1987 VN$_1$ = 1989 ET$_9$ = 1993 HK$_8$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	273.53112		(2000.0)		**P**		**Q**
n	0.27155853	ω	358.12100		+0.96069764		+0.27619354
a	2.3617128	Ω	345.75145		−0.25319010		+0.83062576
e	0.1418075	i	6.50356		−0.11381920		+0.48350593
P	3.63	H	13.5	G	0.15	U	3

Residuals in seconds of arc

871112	327	0.2−	0.9−	940803	675	0.5−	1.2−	940930	894	1.0+	0.5+
871112	327	0.6+	0.1+	940803	675	0.5−	0.1−	940930	894	0.1+	0.1−
890305	033	0.1+	0.0	940911	894	0.8+	0.5−	941010	033	0.7+	0.8−
890305	033	0.2−	0.3+	940911	894	1.2+	0.3−	941012	033	0.2−	0.5−
930416	413	0.4−	1.3−	940925	894	2.3−	1.5+				
930418	413	(0.3+	4.9+)	940925	894	0.4−	1.0+				

1994 TP = 1977 RK$_{20}$ = 1997 HL$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	156.70845		(2000.0)		**P**		**Q**
n	0.17718106	ω	194.92539		+0.79851831		−0.60007485
a	3.1394809	Ω	202.16005		+0.56445260		+0.77395005
e	0.1186436	i	7.27051		+0.20919315		+0.20226588
P	5.56	H	13.0	G	0.15	U	4

Residuals in seconds of arc

770909	095	0.1+	0.5−	941011	397	0.9+	0.5−	970428	691	0.3−	0.2−
941002	400	0.6+	0.1−	941025	400	1.8−	0.1+	970430	691	0.1−	1.0−
941002	400	(1.1−	3.0−)	941025	400	0.3−	1.4+	970430	691	0.0	0.1−
941003	400	0.2−	0.2−	941029	114	1.3+	0.8+	970430	691	0.0	0.4−
941003	400	0.1+	0.6−	941029	114	1.3+	0.3−	970503	691	0.2−	0.6−
941008	691	1.3−	0.9−	941101	114	(3.2+	0.4−)	970503	691	0.2−	0.2−
941008	691	1.4−	1.3−	941101	114	1.3+	0.5−	970503	691	0.0	0.2−
941008	691	0.7−	0.8−	970428	691	0.1−	0.6−				
941011	397	1.0+	0.2+	970428	691	0.2−	0.2−				

1994 TM$_2$ = 1981 NW = 1996 GL$_4$

Id. G. V. Williams (*MPC* 27313, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	251.83931		(2000.0)		**P**		**Q**
n	0.31425382	ω	311.63039		+0.30669862		−0.95052250
a	2.1426390	Ω	120.44542		+0.88942562		+0.26772096
e	0.0381068	i	3.28664		+0.33890709		+0.15758318
P	3.14	H	14.0	G	0.15	U	3

Residuals in seconds of arc

810702	805	0.6−	0.9+	941026	400	(3.6+	1.2−)	960415	691	0.2−	0.4−
810702	805	0.3+	1.3−	941026	400	1.5+	0.9−	960421	691	0.1+	0.5−
930417	675	1.2+	0.3+	941101	400	(2.8+	0.0)	960421	691	0.1−	0.7−
930417	675	0.7+	0.3+	941107	675	0.5+	0.3−	960421	691	0.2−	0.7−
941002	400	0.6−	0.3+	941107	675	0.3+	0.5−	960515	552	0.3+	0.1−
941002	400	1.3+	0.5−	960411	691	1.5−	0.3−	960515	552	0.3−	0.2+
941003	400	0.4−	0.9−	960411	691	0.9−	0.9−	960516	552	0.7+	0.3−
941003	400	0.0	0.8−	960411	691	0.9−	0.3−	960516	552	0.2+	0.6−
941007	400	1.1−	1.2−	960415	691	0.2−	0.4−				
941007	400	0.4+	0.1+	960415	691	0.4−	0.4−				

1994 TO_2 = 1986 YJ = 1997 GC_{34}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	226.41236		(2000.0)		**P**	**Q**	
n	0.21534764	ω	320.06699		+0.98477018	+0.15001685	
a	2.7566141	Ω	31.63444		−0.08255357	+0.84830372	
e	0.1623933	i	9.64528		−0.15301175	+0.50781467	
P	4.58	H	13.0	G	0.15	U	4

Residuals in seconds of arc

861230	675	0.1+	0.5+	941007	400	1.2−	0.2+	970403	704	0.2+	0.8−
861230	675	0.1+	0.2−	941007	400	1.5−	1.1−	970403	704	0.0	0.1−
941002	400	0.1+	0.1−	941025	400	(3.0−	0.8−)	970411	704	0.9−	0.9−
941002	400	1.9−	0.6−	941025	400	0.6+	1.5−	970411	704	0.6−	0.1−
941003	400	0.2−	1.9+	941026	400	0.6+	0.6−				
941003	400	2.1+	0.5−	941026	400	2.5+	0.8+				

1994 UB = 1990 HG_1

Id. D. di Cicco (1997 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	320.00315		(2000.0)		**P**	**Q**	
n	0.28066675	ω	132.06948		+0.29770570	+0.95222977	
a	2.3103374	Ω	155.00485		−0.91653752	+0.30503105	
e	0.1979198	i	9.26678		−0.26707730	+0.01464680	
P	3.51	H	15.0	G	0.15	U	1

Residuals in seconds of arc

900426	675	0.2+	0.7−	941001	675	0.7+	0.2−	941029	817	0.4+	1.5+
900426	675	0.1−	1.0+	941001	675	0.0	0.6+	970415	817	0.2−	0.1−
940812	809	0.1+	0.3−	941026	817	0.1−	0.9+	970415	817	0.1+	0.5−
940812	809	0.1+	0.1+	941026	817	0.8+	0.4+	970415	817	0.3−	0.6−
940812	809	0.4−	0.2−	941026	817	1.1−	0.4−	970415	817	0.4+	0.6−
940813	809	0.1−	0.3+	941026	817	0.6−	0.9−	970416	817	0.1+	0.9+
940813	809	0.4−	0.2+	941029	817	0.1−	0.2+	970416	817	0.3−	0.1+
940813	809	0.2−	0.3+	941029	817	0.5+	0.5−	970416	817	0.1+	0.2+
940911	675	0.2+	1.0−	941029	817	0.1+	0.3−	970416	817	0.1+	0.3+
940911	675	0.6+	0.1−	941029	817	0.7−	0.4−				

1994 UJ_{11} = 1997 GS_{36}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	298.56005		(2000.0)		**P**	**Q**	
n	0.22379494	ω	222.45535		+0.51715461	+0.85274355	
a	2.6868033	Ω	78.81038		−0.76382389	+0.49849087	
e	0.0931140	i	4.28782		−0.38616600	+0.15599775	
P	4.40	H	13.0	G	0.15	U	5

Residuals in seconds of arc

941031	691	0.5−	0.0	941106	691	1.0−	0.3−	941203	675	1.0−	0.4−
941031	691	0.1+	0.1+	941106	691	0.8−	0.1−	941203	675	0.1+	1.2+
941031	691	0.1−	0.3−	941106	691	0.8−	0.4−	970407	704	0.6−	1.2−
941101	400	0.3−	1.1+	941128	675	0.6+	0.4+	970407	704	1.3+	0.2+
941101	400	1.4+	0.7+	941128	675	0.1+	0.4−	970411	704	0.1+	0.2+
941103	400	0.8+	1.5−	941130	675	0.1+	0.3−	970411	704	0.7−	1.0+
941103	400	0.4+	0.6+	941130	675	0.8+	0.2−				

1994 VB = 1997 GJ_{36}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	275.23900		(2000.0)		**P**	**Q**	
n	0.24353898	ω	301.15602		+0.91031078	+0.38964630	
a	2.5395517	Ω	36.44648		−0.25184704	+0.78917803	
e	0.1976160	i	13.59872		−0.32849255	+0.47473551	
P	4.05	H	14.5	G	0.15	U	5

Residuals in seconds of arc

941101	411	0.1+	0.4−	941108	411	0.8+	0.3−	970430	704	0.7+	0.3−
941101	411	0.5−	0.3+	941108	411	0.5+	0.2−	970430	704	0.0	0.1−
941102	411	0.3−	0.4+	941123	411	0.2+	1.5−	970430	704	0.4+	0.1−
941102	411	0.6−	0.4+	941123	411	0.2−	0.6−	970430	704	0.6−	0.4+
941104	675	0.1+	1.7−	941130	675	0.7+	0.3−	970430	704	0.6−	0.5−
941104	675	0.4−	1.7−	941130	675	0.6−	0.0	970501	704	0.1−	0.4+
941106	675	0.8−	0.9−	941202	675	0.8−	0.4+	970501	704	0.4−	0.3+
941106	675	0.1+	0.1+	941202	675	0.7−	0.9+	970501	704	0.2+	0.1+
941106	675	0.9+	1.7+	970406	704	0.1+	0.3−	970501	704	0.3+	0.2+
941106	675	0.9+	1.0+	970406	704	0.1+	0.1−	970501	704	0.1−	0.3+
941107	675	0.1+	0.9+	970411	704	0.5−	0.1−				
941107	675	0.6+	1.3+	970411	704	0.6+	0.4−				

1994 YR

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	292.89384		(2000.0)		**P**	**Q**	
n	0.23232634	ω	243.13091		+0.96561162	+0.24948324	
a	2.6206182	Ω	102.34878		−0.20395123	+0.90139146	
e	0.2905885	i	4.29503		−0.16123927	+0.35390895	
P	4.24	H	14.5	G	0.15	U	4

Residuals in seconds of arc

941129	691	0.4−	0.1−	950105	411	0.0	0.5+	970511	118	0.4+	0.4−
941129	691	0.3−	0.4−	950105	411	0.2−	0.4+	970511	118	0.4−	0.3+
941129	691	0.3−	0.1−	950107	411	0.5+	0.6+	970512	118	0.7+	0.4−
941228	411	0.2+	0.2+	950107	411	0.5+	0.2+	970512	118	0.2−	0.1+
941228	411	1.3+	1.4+	950120	411	1.7−	1.7−	970512	118	0.1−	0.2+
941229	411	0.1−	0.3+	950120	411	0.1−	0.9−				
941229	411	0.5+	0.5−	970511	118	0.4−	0.3+				

1995 SB_4

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	96.81300		(2000.0)		**P**	**Q**	
n	0.17521593	ω	107.84388		+0.81568212	−0.43176677	
a	3.1629112	Ω	279.26795		+0.25926559	+0.86780571	
e	0.3890765	i	22.96148		+0.51714991	+0.24594857	
P	5.63	H	15.0	G	0.15	U	3

Residuals in seconds of arc

950925	693	0.5−	0.3+	951012	695	0.2+	0.2+	951122	608	0.3+	0.3+
950925	693	0.2−	1.0+	951028	658	0.1+	0.5−	970324	693	0.1+	0.2+
950929	693	0.8+	0.8−	951028	658	0.2−	1.2−	970324	693	0.0	0.2+
950929	693	0.4−	0.1−	951028	658	0.0	0.5−	970503	696	0.2−	0.3−
951012	695	0.3+	0.2+	951121	608	0.0	0.5+	970503	696	0.2+	0.1−
951012	695	0.0	0.4+	951122	608	0.1−	0.5+	970503	696	0.1−	0.1−

1995 SX$_{53}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	112.47865		(2000.0)		**P**	**Q**	
n	0.21232896	ω	93.47382		+0.58982198	−0.76318812	
a	2.7826797	Ω	316.55602		+0.49982925	+0.60172169	
e	0.2536468	i	22.56946		+0.63425607	+0.23553109	
P	4.64	H	15.0	G	0.15	U	3

Residuals in seconds of arc

950930	693	0.3−	0.4+	951012	695	0.2+	0.4+	970324	693	0.3+	0.3+
950930	693	0.2+	0.9−	951110	608	0.3+	0.1−	970324	693	0.3+	0.4+
951011	695	0.0	0.3+	951110	608	0.3+	0.1+	970503	696	0.3−	0.5−
951011	695	0.3+	0.3+	951113	608	0.2+	0.0	970503	696	0.5−	0.4−
951012	695	1.2−	0.7−	951113	608	0.2+	0.1+				

1995 TD

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	209.84760		(2000.0)		**P**	**Q**	
n	0.29628282	ω	142.54067		+0.85915991	+0.51154090	
a	2.2284269	Ω	186.73134		−0.49228057	+0.81931647	
e	0.1562335	i	6.38957		−0.13965705	+0.25893326	
P	3.33	H	15.0	G	0.15	U	3

Residuals in seconds of arc

950817	691	0.0	0.3+	951010	817	0.2−	0.1−	951027	817	0.1−	0.4+
950817	691	0.2+	0.4−	951014	817	0.7−	0.4−	951123	817	0.4−	0.1−
950817	691	0.2−	0.0	951014	817	0.4−	0.3−	951123	817	0.5+	0.3−
951003	817	0.1+	0.6+	951014	817	0.6−	0.6−	970429	709	0.3−	0.1−
951003	817	0.0	0.6+	951014	327	0.0	0.1+	970429	709	0.5−	0.1−
951003	817	0.0	0.3+	951014	327	0.7+	0.1+	970429	709	0.0	0.1+
951004	817	0.0	0.3−	951014	327	0.4+	0.1+	970429	709	0.1−	0.1−
951004	817	0.2+	0.3+	951015	327	0.3+	0.6+	970501	709	0.7+	0.6+
951004	817	0.3−	0.1−	951015	327	0.2+	0.3+	970501	709	0.5+	0.0
951004	817	0.3−	0.5−	951015	327	0.0	0.2+	970501	709	0.5−	0.3−
951010	817	0.1+	0.1−	951018	817	0.6+	0.3−	970501	709	0.2+	0.1+
951010	817	0.0	0.3−	951018	817	0.4+	0.5−	970501	709	0.0	0.1−
951010	817	0.1+	0.3−	951027	817	0.3−	0.7+	970501	709	0.1+	0.1−

1995 TQ$_6$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	62.22910		(2000.0)		**P**	**Q**	
n	0.29846553	ω	133.73642		−0.89285362	−0.44992602	
a	2.2175492	Ω	19.54978		+0.39466088	−0.80254160	
e	0.0466053	i	3.33523		+0.21692212	−0.39178254	
P	3.30	H	14.5	G	0.15	U	3

Residuals in seconds of arc

951015	691	0.1−	0.2+	951116	691	0.0	0.1+	970412	620	0.0	0.1+
951015	691	0.2−	0.4+	960111	327	0.5−	0.0	970413	620	0.2−	0.8+
951015	691	0.2−	0.5+	960111	327	0.1+	0.2−	970415	620	0.1+	0.6+
951022	691	0.2+	0.5−	960111	327	0.1+	0.1−	970415	620	0.2+	0.3+
951022	691	0.0	0.1+	960112	327	0.3+	0.1−	970415	620	0.1+	0.0
951022	691	0.2−	0.4+	960112	327	0.0	0.2−	970415	620	0.2+	0.1−
951116	691	0.3−	0.2+	960112	327	0.3+	0.2−				
951116	691	0.0	0.2+	970412	620	0.1+	0.7−				

1995 UJ$_6$

Id. E. Bowell (1989 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	154.16806		(2000.0)		**P**	**Q**	
n	0.18772223	ω	110.19550		+0.97284943	+0.18297870	
a	3.0208250	Ω	239.49719		−0.21961332	+0.92307273	
e	0.1111945	i	9.46683		+0.07303404	+0.33831277	
P	5.25	H	12.5	G	0.15	U	4

Residuals in seconds of arc

890802	675	0.1−	0.8+	951027	411	0.1+	0.2−	951111	411	0.1+	1.0+
890802	675	0.1+	0.9−	951029	411	0.1−	0.3+	951111	411	0.5−	0.1+
890903	675	0.1+	0.1+	951029	411	0.6−	0.7−	951118	411	0.6+	0.1−
890903	675	0.1−	0.0	951102	411	0.3−	0.1+	951118	411	0.6+	0.3−
951027	411	0.1+	0.1+	951102	411	0.0	0.3−				

1995 UE$_8$

Id. E. Bowell (1988, 1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	322.54243		(2000.0)		**P**	**Q**	
n	0.20964604	ω	170.22327		−0.89681266	+0.43417372	
a	2.8063701	Ω	35.89806		−0.41506395	−0.75923427	
e	0.0623133	i	8.33253		−0.15313055	−0.48482626	
P	4.70	H	13.0	G	0.15	U	4

Residuals in seconds of arc

880318	675	0.1+	0.3+	951027	411	0.0	0.8−	951112	411	0.4−	0.4−
880318	675	0.1−	0.3−	951101	411	0.3+	1.1+	951112	411	0.5+	0.9+
930524	675	1.2−	0.1+	951101	411	1.0−	2.0+	951112	411	0.1−	0.2+
930524	675	1.4+	0.2+	951103	411	0.8+	0.3+	951118	411	1.1−	1.3−
951027	411	0.6−	0.6−	951103	411	0.8+	0.3−	951118	411	0.6+	0.6−

1995 UD$_{45}$ = 1981 AZ$_3$

Id. E. Bowell (1993 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	129.22855		(2000.0)		**P**	**Q**	
n	0.18967240	ω	331.88044		+0.92884561	−0.33356709	
a	3.0000831	Ω	48.54774		+0.36724552	+0.77180494	
e	0.1550064	i	12.41830		+0.04875008	+0.54134105	
P	5.20	H	12.5	G	0.15	U	4

Residuals in seconds of arc

810108	381	0.7−	0.4+	951030	400	0.0	0.1+	951115	400	0.7−	0.5+
810108	381	0.7+	0.8−	951030	400	0.4+	0.6−	951115	400	0.1+	0.1+
930417	675	0.3−	0.1+	951112	400	0.5−	0.3−	951116	894	0.2−	0.6+
930417	675	1.0+	1.0+	951112	400	0.2−	0.1−	951116	894	0.4−	0.7−
951028	400	1.7+	0.4+	951112	894	1.9−	0.5+				
951028	400	1.1+	0.1−	951112	894	0.2+	0.6+				

1995 WQ = 1997 GU$_{37}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	140.75074		(2000.0)		**P**		**Q**
n	0.24061239	ω	28.05666		+0.58297795		−0.81209551
a	2.5601027	Ω	26.30694		+0.73437770		+0.51338156
e	0.2281996	i	3.26628		+0.34760050		+0.27738108
P	4.10	H	15.0	G	0.15	U	5

Residuals in seconds of arc

951117	411	0.3−	0.3+	951124	411	0.1+	0.3+	970405	566	1.2−	0.2−
951117	411	1.2+	0.6+	951125	399	1.1−	0.3+	970405	566	0.5+	0.2+
951117	327	0.3−	0.0	951125	399	2.2−	1.8−	970405	566	0.8−	0.1−
951117	327	0.1+	0.2+	951129	411	0.2−	0.5+	970405	566	1.0−	0.0
951117	327	0.1+	0.3−	951129	411	0.8+	0.5+	970405	566	0.4+	1.0−
951118	411	0.6+	0.1+	951130	327	0.5+	0.5+	970405	566	0.5−	0.1+
951118	411	0.5+	0.2−	951130	327	0.2+	0.2+	970411	704	1.0+	0.4+
951118	399	0.4−	0.7−	951130	327	0.3+	0.6+	970411	704	1.5+	0.6+
951118	399	0.3+	1.2−	951209	411	0.1−	0.3+				
951124	411	0.3+	0.4+	951209	411	0.3−	0.6−				

1995 WU$_1$ = 1976 UT$_4$ = 1997 HD$_{17}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	99.41711		(2000.0)		**P**		**Q**
n	0.26116352	ω	68.34535		−0.36883705		−0.91872981
a	2.4239726	Ω	44.12806		+0.76022042		−0.38548593
e	0.0631032	i	11.68784		+0.53481225		−0.08565120
P	3.77	H	12.2	G	0.15	U	4

Residuals in seconds of arc

761030	095	1.4+	2.6−	951125	399	1.2−	0.9−	951217	399	1.6+	0.4+
951116	399	0.5−	1.3+	951125	399	2.4−	1.1−	970430	399	0.2−	0.4+
951116	399	1.2+	1.7+	951214	399	1.1+	0.6−	970430	399	1.6−	0.1−
951117	399	1.4−	1.6+	951214	399	0.6+	0.7−	970503	399	1.0+	0.5−
951117	399	0.4+	0.2+	951217	399	0.3+	0.1−	970503	399	0.3+	0.9−

1995 XS = 1988 SF$_4$ = 1997 HN$_{11}$

Id. G. V. Williams, S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	183.16174		(2000.0)		**P**		**Q**
n	0.29395808	ω	163.31608		+0.68280645		−0.72724771
a	2.2401604	Ω	243.55902		+0.66108113		+0.65573423
e	0.1402134	i	4.47748		+0.31104195		+0.20278903
P	3.35	H	14.5	G	0.15	U	4

Residuals in seconds of arc

880916	095	0.9+	1.5−	951230	411	0.4+	0.5−	970501	704	0.3+	0.7+
880916	095	0.4−	0.1+	960109	411	0.3−	0.6+	970501	704	0.2−	0.0
951212	411	0.5−	0.4+	960109	411	1.1+	0.4+	970501	704	0.3−	0.4+
951212	411	0.2−	0.3+	970430	704	0.7−	0.6+	970501	704	0.2−	0.0
951214	411	0.3+	0.6−	970430	704	0.3−	0.4−	970501	704	0.2−	0.4+
951214	411	0.0	0.1−	970430	704	0.4−	0.3−	970505	704	0.0	0.3−
951214	411	0.5−	0.2−	970430	704	0.1−	0.1−	970505	704	1.3+	1.8−
951220	411	0.4+	0.6−	970430	704	0.3−	0.2+	970505	704	0.0	0.2−
951220	411	0.3−	0.3−	970501	704	0.2+	0.4−	970505	704	0.5−	0.4−
951225	411	0.2+	0.2+	970501	704	0.0	0.2−	970505	704	0.5−	0.7−
951225	411	0.5−	0.4−	970501	704	1.5+	0.7−				
951230	411	0.1−	0.5−	970501	704	0.3−	0.5+				

1995 XH$_3$ = 1980 FG$_1$ = 1997 GQ$_{32}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	60.22545		(2000.0)		**P**		**Q**
n	0.23448815	ω	317.45814		−0.79287180		−0.60934892
a	2.6044865	Ω	185.01412		+0.57829064		−0.74876889
e	0.0850378	i	4.55594		+0.19218285		−0.26084293
P	4.20	H	16.5	G	0.15	U	3

Residuals in seconds of arc

800316	809	0.7−	0.2+	951220	691	0.0	0.2+	970403	704	0.4−	0.3−
800316	809	0.8+	0.0	951220	691	0.3+	0.2+	970404	566	0.8−	0.1−
800316	809	0.4−	0.2−	951220	691	0.1+	0.2−	970404	566	1.2−	0.0
800316	809	0.3+	0.1+	951226	691	0.2+	0.0	970404	566	0.5−	0.4−
951214	691	0.4−	0.0	951226	691	0.1+	0.1+	970411	704	0.9+	0.0
951214	691	0.5−	0.1−	951226	691	0.2+	0.1+	970411	704	0.8+	1.0+
951214	691	0.0	0.2−	970403	704	1.3+	0.2−				

1995 YE = 1949 WO$_1$ = 1987 SZ$_{29}$ = 1997 JT$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	154.00485		(2000.0)		**P**		**Q**
n	0.25836392	ω	259.56464		+0.49093044		−0.87109512
a	2.4414517	Ω	161.01564		+0.81460002		+0.45351258
e	0.1907675	i	2.36756		+0.30889176		+0.18846651
P	3.81	H	15.0	G	0.15	U	2

Residuals in seconds of arc

491121	675	2.6−	0.6−	951224	411	0.4−	0.5−	970501	910	0.0	0.1−
491121	675	0.5+	0.4−	951224	411	0.2−	0.3−	970501	910	0.3+	0.1+
491121	675	2.4+	0.1+	951226	411	0.6−	0.5+	970501	910	0.1+	0.2−
870927	095	0.1−	0.3+	951226	411	0.4+	0.4+	970502	910	0.1−	0.1−
951217	411	0.0	1.2+	951230	411	0.9+	0.7−	970502	910	0.2−	0.1+
951217	411	0.1+	0.2−	951230	411	0.2−	1.0−	970503	910	0.2−	0.0
951219	411	0.1−	0.4+	960109	411	0.4+	0.2−				
951219	411	0.2−	0.4+	960109	411	0.1−	0.5+				

1995 YM = 1980 DG$_6$ = 1984 YB$_5$ = 1984 YK$_7$

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

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	8.20824		(2000.0)		**P**		**Q**
n	0.17842382	ω	104.00837		−0.85103816		+0.43782079
a	3.1248859	Ω	102.63825		−0.51735111		−0.79362244
e	0.1805344	i	17.28394		+0.08989925		−0.42246465
P	5.52	H	12.0	G	0.15	U	3

Residuals in seconds of arc

800221	095	0.4−	2.0−	951226	411	0.1+	0.3+	970331	124	0.4+	0.5+
841223	010	(5.9− | 18.5−)	951226	411	0.1+	0.7+	970331	124	0.4+	0.5+
841223	010	(5.2− | 9.6−)	951230	411	1.1−	0.6+	970501	127	0.3+	0.1−
841228	095	(2.3− | 4.9−)	951230	411	0.3−	0.0	970501	127	0.3−	0.1−
951219	411	0.4−	0.2+	960109	411	0.6−	0.9+	970501	127	0.4−	0.2−
951219	411	0.7−	0.4+	960109	411	0.4−	0.8+	970504	411	0.3+	0.5+
951220	411	0.5−	0.9+	960124	411	1.2−	0.3+	970504	411	0.8+	0.3+
951220	411	0.8−	0.1+	960124	411	0.8−	0.3−	970512	127	0.7−	0.5−
951222	566	2.1+	1.6−	960319	801	0.0	0.7+	970512	127	0.5−	0.4−

951222 566 1.9+ 1.4− 960319 801 0.2+ 0.5+
951222 566 1.9+ 1.5− 970331 124 0.1+ 0.4+

1996 AS

Id. E. Bowell (1989, 1994 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	115.46974		(2000.0)		**P**	**Q**	
n	0.26425916	ω	356.81038		−0.68942613	−0.72185577	
a	2.4050052	Ω	136.76268		+0.66651135	−0.66468820	
e	0.0498055	i	5.03598		+0.28364456	−0.19264956	
P	3.73	H	14.0	G	0.15	U	4

Residuals in seconds of arc

890329 675	0.4+	0.9+	951227 411	0.4+	0.6+	960118 411	1.2−	1.7−
890329 675	0.2−	0.4−	960110 411	0.1−	0.3+	960118 411	0.4−	0.2−
940911 675	0.9−	0.7+	960110 411	1.2−	1.0−	960127 411	0.1+	0.0
940911 675	0.8+	0.4−	960113 411	0.6+	0.8+	960127 411	0.9+	0.0
951227 411	0.2−	1.1+	960113 411	1.2+	0.2+			

1996 AU$_6$ = 1997 HH$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	169.42809		(2000.0)		**P**	**Q**	
n	0.21998381	ω	351.36178		+0.54085302	−0.83929468	
a	2.7177463	Ω	65.87931		+0.77528713	+0.47192730	
e	0.0695131	i	3.47617		+0.32620220	+0.26994269	
P	4.48	H	14.5	G	0.15	U	6

Residuals in seconds of arc

960112 691	0.2+	0.1+	960125 691	0.6+	0.1+	970430 704	1.1−	0.2−
960112 691	0.1+	0.1+	960125 691	0.2−	0.1−	970430 704	0.3−	0.3−
960112 691	0.0	0.3−	960125 691	0.0	0.0	970501 704	0.5+	0.3+
960118 691	0.3−	0.0	970430 704	0.3+	0.4−	970501 704	0.4−	0.1+
960118 691	0.3−	0.2+	970430 704	1.3+	0.6−	970501 704	0.5+	0.7+
960118 691	0.2−	0.1−	970430 704	0.1+	0.2+	970501 704	0.8−	0.2+

1996 DA$_3$ = 1980 TZ$_9$ = 1987 QK$_7$ = 1987 RZ$_1$

Id. A. Nakamura (1997 observations), S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	237.35122		(2000.0)		**P**	**Q**	
n	0.27806393	ω	186.22796		+0.94113620	−0.33700366	
a	2.3247323	Ω	193.55597		+0.31477339	+0.90208600	
e	0.1458461	i	6.44003		+0.12320863	+0.26957261	
P	3.54	H	14.1	G	0.15	U	1

Residuals in seconds of arc

801015 095	0.3−	0.9+	960217 691	1.3−	0.1−	960228 360	0.8+	0.1−
870831 054	0.2+	0.1−	960217 691	1.0−	0.2+	970505 360	0.0	0.4+
870901 095	0.0	0.3−	960222 360	0.6+	0.2+	970505 360	0.1+	0.1+
960129 691	0.5−	0.1+	960222 360	1.1+	0.1+	970505 360	0.0	0.2+
960129 691	0.5−	0.2+	960222 360	0.9+	0.1+	970509 360	0.0	0.1−
960129 691	0.3−	0.0	960228 360	1.1+	0.1+	970509 360	0.2−	0.1−
960217 691	1.4−	0.3−	960228 360	0.8+	0.2−			

1996 GS

Id. P. G. Comba (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	264.39317		(2000.0)		**P**	**Q**	
n	0.21448712	ω	183.04244		+0.97161924	−0.23464229	
a	2.7639822	Ω	190.67196		+0.22030579	+0.94375902	
e	0.1763872	i	9.31801		+0.08614763	+0.23294186	
P	4.60	H	13.5	G	0.15	U	4

Residuals in seconds of arc

960412 684	0.2+	0.3+	960417 684	0.1−	0.8−	960520 684	0.3+	0.2−
960412 684	0.1−	0.1+	960417 684	0.0	0.1−	970502 684	0.4−	0.2−
960412 684	0.2−	0.1+	960507 684	0.1−	0.0	970502 684	0.4+	0.4−
960413 684	0.1−	0.1−	960507 684	0.3−	0.2+	970502 684	0.1−	0.3−
960413 684	0.1+	0.2−	960508 684	0.6+	0.1−	970503 684	0.7+	0.5+
960413 684	0.0	0.1+	960508 684	0.4+	0.2+	970503 684	0.2−	0.0
960414 684	0.3−	0.3+	960519 684	0.7−	0.0	970503 684	0.5−	0.3+
960414 684	0.0	0.0	960519 684	0.1−	0.2+			
960414 684	0.3+	0.1−	960520 684	0.2+	0.2+			

1996 JN$_6$ = 1978 XO$_1$

Id. E. Bowell (1988 observations), G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	289.20074		(2000.0)		**P**	**Q**	
n	0.19650674	ω	253.32525		+0.98126088	−0.18714207	
a	2.9301133	Ω	117.44093		+0.19054429	+0.90707047	
e	0.0514442	i	2.96328		+0.02863491	+0.37709549	
P	5.02	H	13.5	G	0.15	U	4

Residuals in seconds of arc

781205 033	0.5+	0.2+	960511 691	1.0−	0.6+	960608 809	0.3+	0.4−
781205 033	0.4−	0.5−	960520 691	0.3−	0.0	960610 809	0.3−	1.3−
881106 675	0.8+	1.0−	960520 691	0.3−	0.7+	960610 809	0.3+	1.3−
881106 675	0.2−	0.9−	960520 691	0.4−	0.3+	960610 809	0.7+	1.4−
960511 691	1.0−	0.4+	960608 809	1.3+	0.5−			
960511 691	0.9−	0.5+	960608 809	1.0+	0.4−			

1996 SK

Id. C. W. Hergenrother (1997 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	36.57771		(2000.0)		**P**	**Q**	
n	0.26054154	ω	283.44472		−0.52592700	−0.85046189	
a	2.4278289	Ω	198.29799		+0.79298347	−0.48573798	
e	0.7965769	i	1.96048		+0.30753536	−0.20192372	
P	3.78	H	17.0	G	0.15	U	4

Residuals in seconds of arc

960913 809	0.9+	0.3+	961001 413	0.8+	0.2+	961013 673	(2.1−	0.3+)
960917 566	0.9−	0.2−	961001 413	0.9+	0.0	961013 673	0.1−	1.4+
960917 566	0.5−	0.5−	961001 413	0.6+	0.3+	961013 867	0.8−	0.1−
960917 566	0.8−	0.0	961001 118	0.4+	0.6−	961013 867	0.7−	0.1−
960918 566	0.5+	1.0−	961001 118	1.6+	0.1+	961014 046	0.4−	0.0
960918 566	0.3−	0.5−	961001 118	0.9+	0.2+	961014 046	1.0−	0.6+
960918 566	0.4+	1.2+	961003 118	0.7+	0.4−	961014 046	0.6−	0.8+
960918 557	0.2−	0.0	961003 118	0.9+	0.8−	961030 118	0.1+	0.7−
960918 557	0.5−	0.2+	961003 118	0.6+	0.7−	961030 118	0.1−	0.6−
960918 557	0.9−	0.3+	961003 118	0.7+	0.7−	961030 118	0.0	0.3−
960918 557	0.5−	0.3+	961004 360	0.5+	1.1−	961101 413	0.8−	0.2−

960919	696	0.2+	0.6+	961004	360	0.2+	1.1−	961101	413	0.7− 0.4−
960919	696	0.2+	0.2+	961004	360	0.3+	1.6−	961102	413	0.9− 0.4−
960919	046	0.3−	0.5+	961007	608	0.9+	0.2+	961102	413	0.9− 0.3−
960919	046	0.3−	0.8+	961007	608	0.9+	0.1+	961103	413	0.5− 0.3−
960919	046	0.4−	0.2+	961009	360	0.7−	0.0	961103	413	0.5− 0.3−
960920	696	0.1−	0.2+	961009	360	0.4−	0.2−	961103	118	0.3+ 1.9+
960920	696	0.0	0.1+	961009	360	0.8−	0.2+	961103	118	0.9+ 1.5+
960920	696	0.2−	0.1+	961010	608	0.9+	0.5+	961112	118	1.0+ 0.7−
960920	696	0.2−	0.0	961011	566	0.9−	0.1+	961208	381	0.4+ 0.3−
960922	658	0.3−	0.2−	961011	566	0.0	0.1+	961208	381	0.5+ 0.2−
960922	658	1.3−	0.2+	961011	566	0.4−	0.3+	970514	696	0.2+ 0.7−
960922	658	0.8−	1.1−	961012	711	0.4−	0.2+	970514	696	0.3+ 0.1−
960930	118	1.4+	0.1+	961012	711	0.3−	0.3+	970514	696	0.3+ 0.3+
960930	118	1.0+	0.1−	961012	557	0.0	0.2+	970515	696	0.3− 0.0
960930	118	0.5+	0.1−	961012	557	0.4−	0.2+	970515	696	0.3− 0.2+
960930	118	1.0+	0.1+	961012	557	0.9−	0.3+	970515	696	0.3− 0.1+

1996 TP$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	43.45805		(2000.0)		**P**		**Q**
n	0.27069320	ω	40.81294		+0.77578291		−0.63086489
a	2.3667433	Ω	358.14739		+0.42091391		+0.53279225
e	0.2373021	i	23.81178		+0.47009824		+0.56404070
P	3.64	H	15.5	G	0.15	U	4

From 19 observations 1996 Sept. 13–Dec. 13, mean residual 0″.97.

1996 XB$_3$ = 1991 KG$_2$

Id. E. Bowell (1988 observations), G. V. Williams, S. Nakano

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	161.21315		(2000.0)		**P**		**Q**
n	0.26166236	ω	182.21722		+0.78475342		+0.61874473
a	2.4208909	Ω	139.48428		−0.56779968		+0.74114876
e	0.2051106	i	3.20231		−0.24852685		+0.26048700
P	3.77	H	14.0	G	0.15	U	3

Residuals in seconds of arc

881106	675	0.1+	0.1−	961203	411	0.2+	0.3+	961212	411	0.5− 0.0
881106	675	0.0	0.0	961203	411	0.5+	0.2−	961219	411	1.2− 0.2+
910517	809	0.4−	0.3−	961206	411	0.3+	0.1+	961219	411	0.3+ 0.6+
910517	809	0.3+	0.3+	961206	411	0.0	0.4+	961228	411	0.6+ 0.2−
910517	809	0.0	0.1−	961212	411	0.4−	0.3−	961228	411	0.2+ 0.7−

1996 XV$_{30}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	86.15344		(2000.0)		**P**		**Q**
n	0.22377532	ω	275.06077		+0.91221536		−0.34330575
a	2.6869603	Ω	105.15902		+0.40239699		+0.85338757
e	0.2830484	i	13.39588		−0.07707012		+0.39226371
P	4.40	H	15.2	G	0.15	U	5

From 12 observations 1996 Dec. 13–1997 Mar. 4, mean residual 0″.78.

1996 XN$_{32}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	53.38554		(2000.0)		**P**		**Q**
n	0.26681742	ω	17.03519		−0.01292185		−0.99240505
a	2.3896076	Ω	73.83652		+0.90192409		−0.06438787
e	0.0791001	i	7.31748		+0.43170125		+0.10481614
P	3.69	H	16.0	G	0.15	U	4

From 12 observations 1996 Dec. 15–1997 Mar. 4, mean residual 0″.29.

1997 AB$_{15}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	2.35007		(2000.0)		**P**		**Q**
n	0.31780464	ω	74.30279		−0.79980993		+0.17803106
a	2.1266494	Ω	112.81661		−0.27757036		−0.95645864
e	0.3207796	i	38.45561		+0.53222060		−0.23128297
P	3.10	H	18.0	G	0.15	U	4

From 52 observations 1997 Jan. 12–Apr. 21, mean residual 0″.57.

1997 AN$_{17}$ = 1985 WB

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	99.38686		(2000.0)		**P**		**Q**
n	0.27555709	ω	87.96254		+0.89979618		−0.23997671
a	2.3388103	Ω	285.77232		+0.04875974		+0.88523154
e	0.2878235	i	22.24967		+0.43357736		+0.39846744
P	3.58	H	13.0	G	0.15	U	3

Residuals in seconds of arc

851013	675	0.1−	0.7−	970117	046	0.2−	0.0	970215	046	0.1− 0.0
851013	675	0.2−	0.4+	970117	046	0.2−	0.0	970215	046	0.3+ 0.3+
851119	675	0.5+	0.2+	970126	046	0.3−	0.4−	970215	046	0.5+ 0.0
851119	675	0.2−	0.0	970126	046	0.7−	0.2−	970302	046	0.2+ 0.0
970114	046	0.2+	0.4+	970126	046	0.5−	0.1+	970302	046	0.5+ 0.2−
970114	046	0.1+	0.3+	970128	046	0.3−	0.6−	970302	046	0.9+ 0.2−
970114	046	0.1+	0.2+	970128	046	0.4−	0.5−	970304	046	0.3+ 0.0
970114	046	0.1+	0.3+	970128	046	0.3−	0.5−	970304	046	0.1+ 0.1−
970115	046	0.2+	0.3+	970206	046	0.0	0.1−	970311	046	0.4+ 0.0
970115	046	0.2−	0.2+	970206	046	0.1−	0.1−	970311	046	0.1+ 0.2+
970115	046	0.2+	0.2+	970206	046	0.0	0.0	970311	046	0.2+ 0.0
970116	046	0.1+	0.1+	970210	046	0.3+	0.1+	970311	046	0.3+ 0.2−
970116	046	0.0	0.0	970210	046	0.0	0.2+	970424	046	0.4− 0.0
970116	046	0.0	0.0	970210	046	0.2+	0.1+	970424	046	0.9− 0.2−
970117	046	0.1−	0.1+	970215	046	0.0	0.0	970424	046	0.7− 0.2+

1997 BH$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	36.39512		(2000.0)		**P**		**Q**
n	0.21089900	ω	297.84121		−0.30081648		−0.95335522
a	2.7952439	Ω	169.57354		+0.91632090		−0.29618814
e	0.1904800	i	7.92926		+0.26432073		−0.05819286
P	4.67	H	14.0	G	0.15	U	4

From 46 observations 1997 Jan. 17–Apr. 28, mean residual 0″.44.

1997 BF$_7$ = 1992 EF$_{36}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	53.70723			(2000.0)		**P**		**Q**			
n	0.18682689		ω	121.86470		−0.14631133		−0.98922592			
a	3.0304686		Ω	336.54697		+0.90330590		−0.13153666			
e	0.0696906		i	0.72079		+0.40327590		−0.06426646			
P	5.28		H	13.6	G	0.15	U	6			

Residuals in seconds of arc

920308	809	0.2+	0.3−	970128	327	0.4+	0.6+	970208	566	0.1+	0.7−
920311	691	0.1+	0.0	970128	327	0.6+	0.4+	970208	566	0.1−	0.7−
920311	691	0.2−	0.1+	970130	327	0.6−	0.5+	970208	566	0.0	0.7−
920311	691	0.1−	0.3+	970130	327	0.2+	0.0				
970128	327	0.0	0.4+	970130	327	0.6−	0.0				

1997 BC$_9$ = 1978 NK$_3$ = 1978 PW = 1988 NG$_1$ = 1989 YT$_2$

Id. G. V. Williams, G. Forti

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	219.57499			(2000.0)		**P**		**Q**			
n	0.29569926		ω	186.94140		+0.84485242		+0.53295042			
a	2.2313578		Ω	140.73714		−0.48723069		+0.80258576			
e	0.2339022		i	4.23882		−0.22097656		+0.26799242			
P	3.33		H	14.0	G	0.15	U	3			

Residuals in seconds of arc

780710	095	0.7−	1.2+	970131	098	0.2−	0.4+	970307	098	1.7−	2.1+
780808	095	0.5+	0.2+	970131	098	1.5+	1.5−	970308	098	1.7−	1.7+
880714	046	0.6−	0.7−	970207	098	0.4+	0.9−	970310	098	0.2+	0.3−
880714	046	0.6+	0.3+	970207	098	1.3+	1.2−	970311	098	0.4+	0.3−
891230	413	2.6−	1.1+	970208	098	0.1−	1.6+	970313	098	2.6−	1.3−
891230	413	2.0+	1.0−	970208	098	0.5+	1.3+	970313	098	1.9+	1.1−
891231	413	0.9−	1.2+	970303	098	1.1+	0.7−				
891231	413	1.5+	0.3+	970303	098	0.6−	0.1−				

1997 BN$_9$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	139.54755			(2000.0)		**P**		**Q**			
n	0.19231169		ω	215.86117		+0.53799916		−0.84063083			
a	2.9725712		Ω	201.80143		+0.80726009		+0.53512765			
e	0.0812334		i	9.67624		+0.24266858		+0.08353568			
P	5.13		H	14.0	G	0.15	U	6			

From 13 observations 1997 Jan. 17–May 8, mean residual 0″.38.

1997 CB$_5$ = 1978 WO$_{15}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	89.37050			(2000.0)		**P**		**Q**			
n	0.22423850		ω	329.25264		+0.75555575		−0.65258540			
a	2.6832590		Ω	71.59627		+0.61261534		+0.67296933			
e	0.2112019		i	3.45393		+0.23203008		+0.34820191			
P	4.40		H	15.6	G	0.15	U	5			

Residuals in seconds of arc

781130	675	0.2−	0.3−	970206	566	0.5+	0.9+	970207	566	0.6−	1.0−
781201	675	0.2+	0.3+	970206	566	0.2+	0.9+	970208	566	0.1+	0.3+
970114	566	0.0	0.2+	970206	566	1.1+	0.6+	970208	566	0.5+	0.5+
970114	566	0.1+	0.2−	970207	566	0.9−	1.4−	970208	566	0.0	0.5+
970114	566	0.2−	0.1+	970207	566	0.9−	1.2−				

1997 CC$_7$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	218.96191			(2000.0)		**P**		**Q**			
n	0.18443183		ω	176.78253		+0.53294831		+0.83393062			
a	3.0566483		Ω	125.37415		−0.78019544		+0.54984869			
e	0.0074691		i	10.11972		−0.32750754		+0.04718203			
P	5.34		H	13.0	G	0.15	U	4			

From 28 observations 1997 Feb. 4–Apr. 30, mean residual 0″.66.

1997 CH$_9$ = 1981 UR$_{28}$ = 1990 QR$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	127.67662			(2000.0)		**P**		**Q**			
n	0.21186702		ω	48.53816		+0.88188919		−0.47031989			
a	2.7867230		Ω	339.45122		+0.39998971		+0.78313934			
e	0.1721610		i	5.34890		+0.24955897		+0.40680704			
P	4.65		H	14.3	G	0.15	U	3			

Residuals in seconds of arc

811024	675	0.2+	0.2−	970201	691	0.4−	0.4+	970211	691	0.3−	0.0
811025	675	0.3+	0.4+	970201	691	0.5−	0.3+	970211	691	0.1−	0.1+
811026	675	0.5−	0.3−	970201	691	0.2−	0.2−	970211	691	0.3−	0.1−
900816	809	0.3+	0.2+	970207	691	0.4+	0.2−	970214	327	0.3−	0.1−
900816	809	0.1+	0.2−	970207	691	0.4+	0.1−	970214	327	0.1+	0.1−
900816	809	0.5−	0.0	970207	691	0.4+	0.0	970214	327	0.8+	0.1−

1997 CL$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	73.89311			(2000.0)		**P**		**Q**			
n	0.24139933		ω	322.37959		−0.19920870		−0.97511120			
a	2.5545359		Ω	138.85285		+0.93118648		−0.21930259			
e	0.1482196		i	8.50676		+0.30529924		+0.03262690			
P	4.08		H	14.5	G	0.15	U	4			

From 25 observations 1997 Jan. 31–Apr. 30, mean residual 0″.57.

1997 CV$_{15}$ = 1993 FT$_{69}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	169.71593			(2000.0)		**P**		**Q**			
n	0.21805333		ω	27.73486		+0.99898714		+0.03219357			
a	2.7337633		Ω	330.36950		−0.04287118		+0.89316484			
e	0.1090553		i	3.64560		+0.01366562		+0.44857569			
P	4.52		H	15.4	G	0.15	U	6			

Residuals in seconds of arc

930321	809	0.6−	0.2+	970206	691	0.1+	0.4+	970216	691	0.3+	0.4−
930322	809	0.6+	0.2−	970210	691	0.0	0.4+	970216	691	0.1+	0.1+
970206	691	0.4+	0.3+	970210	691	0.5−	0.0	970216	691	0.0	0.2−
970206	691	0.1+	0.1+	970210	691	0.6−	0.7−				

1997 CT$_{16}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	300.08774			(2000.0)		**P**		**Q**			
n	0.30472457		ω	135.24145		−0.10091845		+0.99293760			
a	2.1870786		Ω	128.86501		−0.93376633		−0.07289478			
e	0.1676286		i	4.59468		−0.34335973		−0.09360162			
P	3.23		H	15.0	G	0.15	U	6			

From 15 observations 1997 Feb. 9–May 1, mean residual 0″.68.

1997 CY$_{16}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	85.75709		(2000.0)			
n	0.17435181	ω	262.40248		+0.23173335	−0.97260183
a	3.1733531	Ω	174.09949		+0.94851059	+0.22167043
e	0.1312380	i	10.41447		+0.21593359	+0.07005643
P	5.65	H	13.0	G 0.15	U	5

From 20 observations 1997 Feb. 6–Apr. 29, mean residual 0″.43.

1997 CE$_{18}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	141.44013		(2000.0)			
n	0.12309463	ω	194.07438		+0.97927786	+0.19105319
a	4.0023032	Ω	154.61135		−0.16733389	+0.95017791
e	0.2767492	i	9.01498		−0.11407998	+0.24629375
P	8.01	H	13.5	G 0.15	U	6

From 14 observations 1997 Feb. 7–May 1, mean residual 0″.35.

1997 CM$_{19}$ = 1990 UN$_{14}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

					P	Q
M	267.38814		(2000.0)			
n	0.22440913	ω	217.93031		+0.47166479	+0.85092372
a	2.6818987	Ω	81.31308		−0.74099634	+0.52462696
e	0.1655024	i	13.52678		−0.47797149	+0.02637000
P	4.39	H	13.3	G 0.15	U	5

Residuals in seconds of arc

901020	413	0.6−	0.7−	970210	684	0.0	0.1−	970214	684	0.0	0.1−
901020	413	0.7+	0.6+	970212	684	0.2−	0.2+	970214	684	0.0	0.0
901027	413	0.0	0.1+	970212	684	0.2−	0.1+				
970210	684	0.1−	0.0	970214	684	0.3+	0.1−				

1997 CF$_{20}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	41.31672		(2000.0)			
n	0.27181912	ω	155.80520		−0.80160549	−0.59737739
a	2.3602031	Ω	347.42705		+0.52910771	−0.69029237
e	0.0586303	i	6.29048		+0.27834091	−0.40821158
P	3.63	H	15.0	G 0.15	U	4

From 16 observations 1997 Feb. 6–Apr. 29, mean residual 0″.51.

1997 CZ$_{21}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	345.54120		(2000.0)			
n	0.32041201	ω	200.74323		−0.85618612	+0.51660183
a	2.1150965	Ω	10.37316		−0.46735418	−0.76757089
e	0.0508281	i	2.62232		−0.22028479	−0.37941727
P	3.08	H	16.0	G 0.15	U	6

From 17 observations 1997 Feb. 13–Apr. 29, mean residual 0″.61.

1997 CA$_{22}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	10.95317		(2000.0)			
n	0.30481049	ω	27.13502		−0.99805747	+0.06138904
a	2.1866676	Ω	156.37734		−0.06087999	−0.92487378
e	0.0685574	i	1.51799		−0.01322585	−0.37528640
P	3.23	H	14.5	G 0.15	U	5

From 20 observations 1997 Feb. 13–Apr. 29, mean residual 0″.52.

1997 CC$_{22}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	349.11974		(2000.0)			
n	0.29433148	ω	210.44056		−0.87323895	+0.48728962
a	2.2382654	Ω	358.71879		−0.43142602	−0.77464736
e	0.1005316	i	4.10241		−0.22655092	−0.40307604
P	3.35	H	15.5	G 0.15	U	5

From 30 observations 1997 Feb. 13–May 4, mean residual 0″.71.

1997 CO$_{26}$ = 1994 LV$_{6}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

					P	Q
M	308.18007		(2000.0)			
n	0.28207392	ω	298.78406		−0.30522803	+0.95226172
a	2.3026473	Ω	313.44284		−0.87089817	−0.28159535
e	0.1760832	i	0.45648		−0.38519116	−0.11790532
P	3.49	H	16.0	G 0.15	U	6

Residuals in seconds of arc

940603	809	0.3−	0.0	940604	809	0.6+	0.2−	970216	691	0.5−	0.5−
940603	809	0.1+	1.0−	970210	691	0.1+	0.0	970218	327	0.8+	0.4+
940603	809	0.4−	0.9−	970210	691	0.2+	0.7+	970218	327	1.0−	0.0
940604	809	0.2+	1.2+	970216	691	0.2−	0.7−	970218	327	1.0+	0.3+
940604	809	0.3−	0.8+	970216	691	0.3−	0.1−				

1997 CL$_{28}$ = 1997 EY$_{47}$ = 1995 SR$_{46}$

Id. K. Ichikawa

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

					P	Q
M	87.62365		(2000.0)			
n	0.23718138	ω	256.93827		+0.46257638	−0.88651753
a	2.5847328	Ω	165.49444		+0.82876927	+0.42818609
e	0.1518398	i	2.39732		+0.31490409	+0.17533781
P	4.16	H	14.8	G 0.15	U	4

Residuals in seconds of arc

950902	010	0.0	1.2−	951002	691	0.4+	0.2+	970215	327	1.6−	0.6+
950902	010	0.1−	0.0	970213	327	0.9+	0.2−	970215	327	0.6+	0.6−
950902	010	0.3+	0.9+	970213	327	0.5+	0.1+	970305	704	0.1+	0.2−
950926	691	0.5−	0.0	970213	327	0.7−	0.0	970305	704	0.4+	0.1−
950926	691	0.4−	0.0	970215	327	0.9+	0.2+	970306	704	0.3−	0.6−
950926	691	0.5−	0.0	970215	327	0.3−	0.8−	970306	704	0.1+	1.4+
951002	691	0.2+	0.0	970215	327	0.3+	0.2+				
951002	691	0.6+	0.2+	970215	327	0.9−	0.1+				

1997 CM$_{28}$ = 1984 BQ$_5$ = 1995 UC$_{49}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	201.95466	(2000.0)	**P**	**Q**	
n	0.22989348	ω	159.80057	+0.80411587	+0.59431348
a	2.6390743	Ω	163.71316	−0.55193237	+0.75496829
e	0.0901658	i	2.81100	−0.22083550	+0.27715406
P	4.29	H	14.0	G 0.15	U 5

Residuals in seconds of arc

840125 675	0.0	0.2+	970213 327	0.7−	0.2−	970215 327	0.2−	0.4−
840126 675	0.0	0.3−	970213 327	1.3−	0.0	970305 704	1.3+	0.2+
951023 033	0.5+	0.1−	970213 327	0.8−	0.2−	970305 704	0.5+	0.4−
951024 033	0.2+	0.2−	970215 327	1.1+	0.2−	970306 704	0.3−	0.2−
951024 033	0.6−	0.4+	970215 327	0.3+	0.9+	970306 704	0.1+	0.7+

1997 ES$_2$ = 1979 HV$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	294.35918	(2000.0)	**P**	**Q**	
n	0.26980862	ω	170.54933	+0.34087652	+0.93894527
a	2.3719134	Ω	119.36840	−0.86599771	+0.33296612
e	0.2019924	i	3.07464	−0.36585677	+0.08669102
P	3.65	H	13.8	G 0.15	U 5

Residuals in seconds of arc

790425 095	0.4−	0.8+	970305 411	0.5−	0.5−	970312 411	0.0	0.4−
790430 095	0.4+	0.7−	970305 411	0.9+	0.2+	970312 411	0.4−	0.9+
970304 411	0.6+	0.9+	970309 411	0.1+	0.4−	970410 411	0.2−	0.6−
970304 411	0.3+	0.6−	970309 411	1.1−	0.1−	970410 411	0.3+	0.6+

1997 EU$_2$ = 1982 BS$_3$ = 1995 UF$_{53}$

Id. S. Nakano, G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	52.11252	(2000.0)	**P**	**Q**	
n	0.26622918	ω	35.45045	−0.74138011	−0.66913452
a	2.3931262	Ω	102.46504	+0.60299626	−0.69766330
e	0.1470717	i	3.00177	+0.29453531	−0.25597835
P	3.70	H	14.0	G 0.15	U 3

Residuals in seconds of arc

820120 033	0.2+	0.4+	961227 327	1.2+	0.9−	970309 411	0.1−	0.2−
820120 033	0.0	0.2+	961227 327	0.3+	0.2−	970309 411	0.1+	0.4+
951019 691	0.0	0.4+	970304 411	0.3−	0.1+	970312 411	1.7+	0.9+
951019 691	0.1+	0.3+	970304 411	0.1+	0.4+	970312 411	0.4−	0.2−
951019 691	0.5−	0.2+	970305 411	0.7−	0.7−	970410 411	0.3−	0.5+
961227 327	2.0−	0.7−	970305 411	0.2+	0.2−	970410 411	0.0	0.5+

1997 EK$_{15}$ = 1993 FL$_{73}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	3.44111	(2000.0)	**P**	**Q**	
n	0.24371039	ω	205.23123	−0.91426563	+0.40509608
a	2.5383608	Ω	358.64714	−0.33760595	−0.76725113
e	0.2044045	i	9.60853	−0.22392095	−0.49721512
P	4.04	H	17.0	G 0.15	U 4

Residuals in seconds of arc

930321 809	0.2−	0.3+	970310 691	0.0	0.3+	970315 691	0.3−	0.3+
930322 809	0.7+	0.3+	970310 691	0.0	0.2−	970410 327	0.9−	0.3+
970304 691	0.4+	0.3−	970310 691	0.1+	0.1+	970410 327	0.6+	0.7−
970304 691	0.5+	0.3−	970315 691	0.6−	0.2+	970410 327	0.0	0.2−
970304 691	0.4+	0.4−	970315 691	0.6−	0.2+			

1997 EQ$_{16}$ = 1994 SE$_1$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	330.77386	(2000.0)	**P**	**Q**	
n	0.22446331	ω	62.77766	−0.46777791	+0.88384384
a	2.6814671	Ω	179.32264	−0.85843108	−0.45379439
e	0.1561318	i	9.60675	−0.21042792	−0.11353727
P	4.39	H	15.8	G 0.15	U 5

Residuals in seconds of arc

940927 691	0.6+	0.3+	970305 691	0.2−	0.4+	970310 691	0.1+	0.1+
940927 691	0.0	0.6−	970305 691	0.4−	0.1+	970313 691	0.0	0.4−
940927 691	0.2−	0.4+	970305 691	0.4−	0.2+	970313 691	0.1+	0.2−
941006 691	0.5+	0.0	970310 691	0.1+	0.0	970313 691	0.2+	0.2−
941006 691	0.8−	0.1−	970310 691	0.3+	0.0			

1997 EY$_{20}$ = 1995 XS$_2$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	328.69788	(2000.0)	**P**	**Q**	
n	0.25921247	ω	28.34304	−0.70673484	+0.70740087
a	2.4361206	Ω	196.69445	−0.65579463	−0.66059201
e	0.1265454	i	2.09102	−0.26544163	−0.25140047
P	3.80	H	14.0	G 0.15	U 4

Residuals in seconds of arc

951202 327	0.1−	0.5+	970304 691	0.5−	0.1+	970424 327	0.2+	0.3+
951202 327	0.3+	0.1−	970304 691	0.5−	0.0	970424 327	0.2+	0.3+
951202 327	0.5−	0.2−	970304 691	0.2−	0.6−	970424 327	0.3−	0.4−
951207 327	0.2+	0.1+	970311 691	0.7+	0.0	970425 327	0.0	0.4+
951207 327	0.6+	0.4+	970311 691	0.4+	0.1−	970425 327	0.0	0.1+
951207 327	0.7−	0.4−	970311 691	0.0	0.1−	970425 327	0.0	0.3+

1997 EX$_{25}$ = 1995 SG$_{22}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Nakano

M	54.64748	(2000.0)	**P**	**Q**	
n	0.27390328	ω	359.86571	−0.70694515	−0.70642980
a	2.3482152	Ω	135.12103	+0.64895153	−0.66724306
e	0.1612577	i	2.79691	+0.28123027	−0.23610090
P	3.60	H	15.2	G 0.15	U 5

Residuals in seconds of arc

950919 691	0.0	0.1+	950924 691	0.0	0.1−	970318 358	0.6−	0.4+
950919 691	0.2−	0.1+	970307 358	0.1−	1.1+	970318 358	0.4−	0.7−
950919 691	0.0	0.1+	970307 358	0.0	0.7−	970401 358	1.2−	1.2−
950924 691	0.2−	0.0	970308 358	(1.1+	2.9+)	970401 358	1.4+	1.0+
950924 691	0.4+	0.1−	970308 358	1.0+	0.2−	970401 358	0.1+	0.5+

1997 EM$_{28}$ = 1994 SX$_8$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	34.63652	(2000.0)	**P**	**Q**	
n	0.17663914	ω	127.40991	−0.90181720	−0.43202546
a	3.1458989	Ω	26.99731	+0.38998581	−0.82261544
e	0.1302216	i	1.12713	+0.18610965	−0.36967261
P	5.58	H	16.0	G 0.15	U 5

Residuals in seconds of arc

940928	691	0.4−	0.2−	970307	691	0.2−	0.1+	970407	046	1.5+	0.5+
940928	691	0.0	0.0	970313	691	0.1+	0.4−	970407	046	0.6−	1.5+
940928	691	0.3+	0.4−	970313	691	0.2+	0.1−	970407	046	0.3−	0.4−
941011	691	0.3+	0.1+	970313	691	0.7+	0.1−	970413	691	0.2+	0.3−
941011	691	(4.5+ | 5.8−)	970407	691	0.6−	0.6−	970413	691	0.6−	0.2−
941011	691	0.1+	0.4−	970407	691	0.5−	0.4−	970413	691	0.5−	0.4−
970307	691	0.3−	0.2+	970407	691	0.7−	0.2−				
970307	691	0.4−	0.3+	970407	046	1.6+	0.3−				

1997 EP$_{30}$ = 1977 LR = 1978 TE = 1979 YL$_5$ = 1992 DG$_5$ = 1993 LY$_1$

Id. G. V. Williams; 1978 TE = 1978 VD (*MPC* 10610) is invalid

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	243.60439		(2000.0)		**P**	**Q**	
n	0.18570659	ω	212.47570		+0.40878677	+0.88658034	
a	3.0426442	Ω	82.46212		−0.78373963	+0.46257459	
e	0.1039662	i	12.61384		−0.46759551	−0.00024749	
P	5.31	H	11.5	G	0.15	U	1

Residuals in seconds of arc

770612	675	0.3+	0.6+	930617	675	0.6+	0.9−	970316	959	0.2+	0.4−
770613	675	0.4+	0.2+	930620	675	0.5+	0.3+	970317	959	0.2−	0.5−
781003	095	2.0−	0.1+	930620	675	0.2−	0.8−	970317	959	0.5+	0.6−
781007	095	1.8+	0.1−	970310	959	0.0	0.0	970327	132	0.7+	0.2+
791218	095	0.5−	1.6+	970310	959	0.2+	1.6−	970327	132	0.4+	1.1+
920227	376	1.1−	1.4+	970311	959	0.4−	0.2+	970327	132	0.3+	1.5+
920227	376	0.0	0.0	970311	959	0.7−	0.2+	970404	958	0.2−	0.2+
930613	675	0.0	1.2+	970312	959	1.5+	0.7+	970404	958	0.1−	0.9−
930613	675	0.7−	1.1+	970316	132	1.7−	0.2+	970406	958	1.3+	0.6−
930614	675	0.3−	0.7−	970316	959	0.5−	0.6−				

1997 ET$_{30}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	312.05596		(2000.0)		**P**	**Q**	
n	0.31575107	ω	262.60378		+0.28014673	+0.95875730	
a	2.1358602	Ω	23.83446		−0.82725409	+0.26647502	
e	0.4509472	i	6.81930		−0.48699947	+0.09887110	
P	3.12	H	17.0	G	0.15	U	5

From 28 observations 1997 Mar. 12–May 1, mean residual 0″.51.

1997 EA$_{36}$ = 1977 CY = 1995 UC$_{26}$

Id. G. V. Williams, G. Forti

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	21.53777		(2000.0)		**P**	**Q**	
n	0.24618536	ω	28.99048		−0.85274480	−0.52119551	
a	2.5213196	Ω	119.55713		+0.47128587	−0.79612001	
e	0.0942504	i	2.26469		+0.22520197	−0.30748686	
P	4.00	H	14.5	G	0.15	U	4

Residuals in seconds of arc

770213	675	0.4+	0.8+	970131	098	1.4−	0.7−	970305	704	0.8+	0.2−
770214	675	0.1−	0.1+	970207	098	1.3+	0.9−	970305	704	0.1+	0.5+
951020	691	0.5−	0.0	970207	098	1.0+	1.3−	970306	704	1.0+	0.4+
951020	691	0.4−	0.1−	970207	098	0.3−	0.0	970306	704	0.4+	0.4+
951020	691	0.2−	0.2−	970207	098	0.2+	0.3+	970307	098	1.7−	0.2+
951025	691	0.5+	0.3+	970303	098	1.0−	0.3+	970307	098	1.2−	0.2+
951025	691	0.1+	0.2+	970303	098	1.1−	1.7+	970310	098	0.4−	1.0−
951025	691	0.5+	0.2+	970304	704	0.8+	0.4−	970310	098	0.0	0.2−
970130	098	0.0	0.1−	970304	704	1.0+	0.1+				

1997 EB$_{42}$ = 1980 FH$_7$ = 1991 PL$_{25}$ = 1995 UP$_{23}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	302.44393		(2000.0)		**P**	**Q**	
n	0.28727167	ω	326.65730		−0.29296971	+0.95540364	
a	2.2747876	Ω	286.28331		−0.86856977	−0.28214129	
e	0.1164032	i	2.21202		−0.39969402	−0.08717901	
P	3.43	H	15.7	G	0.15	U	1

Residuals in seconds of arc

800323	809	0.2−	0.4−	951019	691	0.3−	0.3+	970311	704	0.7+	0.1+
910803	809	1.1−	1.0+	951024	691	0.3−	0.3+	970311	704	0.5+	0.1−
910803	809	0.2+	0.8+	951024	691	0.1−	0.3+	970312	704	0.0	1.3+
910803	809	0.1−	1.3+	951024	691	0.0	0.3+	970312	704	0.0	1.6+
951019	691	0.4+	0.2+	970310	704	0.3+	0.3+				
951019	691	0.2−	0.2+	970310	704	0.2+	1.1+				

1997 FN = 1953 VT$_2$ = 1984 WP$_4$ = 1989 XH$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	197.89619		(2000.0)		**P**	**Q**	
n	0.19114014	ω	310.29542		+0.95945623	−0.20563028	
a	2.9847053	Ω	62.37584		+0.27503797	+0.83257498	
e	0.0582342	i	12.56637		−0.06162676	+0.51432975	
P	5.16	H	12.4	G	0.15	U	2

Residuals in seconds of arc

531109	024	0.2−	0.4+	970322	327	0.6−	0.7−	970323	327	0.6+	0.3−
841120	010	0.2+	0.1−	970322	327	0.4−	0.2−	970328	327	0.4−	0.8+
841121	010	0.0	0.4−	970322	327	0.1+	0.5−	970328	327	0.7+	0.9+
891202	808	0.2−	0.3+	970323	327	0.1−	0.3−	970328	327	0.1+	0.1−
891202	808	0.0	0.1−	970323	327	0.6−	0.0	970328	327	0.6+	0.7+

1997 FO = 1976 GC$_3$ = 1984 WO$_2$ = 1987 KF$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	317.19150		(2000.0)		**P**	**Q**	
n	0.18506052	ω	195.73589		−0.53736475	+0.83503228	
a	3.0497216	Ω	41.95338		−0.75344159	−0.41239819	
e	0.0414547	i	10.17977		−0.37889959	−0.36420985	
P	5.33	H	12.0	G	0.15	U	2

Residuals in seconds of arc

760401	095	(4.2− | 0.2+)	870530	413	0.5+	0.1−	970326	327	0.6−	0.1−
760402	095	0.1−	0.0	870530	413	0.4−	0.4+	970326	327	0.2+	0.1−
760404	095	1.2+	0.8−	970319	327	0.0	0.3+	970326	327	0.2+	0.3+
760405	095	2.6−	1.7−	970319	327	0.6+	0.4+	970406	327	0.1−	0.2+
841127	010	1.3−	1.5+	970319	327	0.4+	0.5+	970406	327	0.1+	0.2+
841128	010	1.6+	2.4−	970326	327	0.3+	0.1−	970406	327	0.1+	0.4+

1997 FH$_1$ = 1982 UT$_7$ = 1986 RB$_7$ = 1990 RD$_{12}$

Id. G. V. Williams; 1987 QS$_5$ = 1982 UT$_7$ (*MPC* 24735) is invalid, see also *MPC* 29911

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

					P	Q
M	221.96329		(2000.0)		+0.73196549	+0.68033664
n	0.23404999	ω	326.51889		−0.56669108	+0.57775389
a	2.6077361	Ω	350.34131		−0.37826940	+0.45093514
e	0.1893215	i	12.73810			
P	4.21	H	13.0	G 0.15	U 4	

Residuals in seconds of arc

821021	095	0.8+	0.5−	970204	691	1.3−	0.6−	970401	684	0.6+	0.4+
860906	095	3.1−	2.7+	970330	684	0.9+	0.4+	970409	684	0.4+	0.4+
860915	095	1.8+	2.5−	970330	684	0.9+	0.4+	970409	684	0.4+	0.4+
861002	095	1.2−	1.9+	970330	684	0.7+	0.4+	970409	684	0.5+	0.4+
900915	675	0.8+	0.4−	970331	684	0.5+	0.7+	970427	684	0.5+	0.5+
900915	675	0.3−	0.6+	970331	684	0.5−	0.4−	970427	684	0.0	0.0
970204	691	1.1−	0.4−	970401	684	0.4+	0.4+	970427	684	0.3−	0.1+
970204	691	1.1−	0.3−	970401	684	0.4+	0.5+				

1997 FZ$_1$ = 1982 DV$_5$ = 1990 HN$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	22.15077		(2000.0)		−0.98464916	+0.17454315
n	0.26671063	ω	181.29883		−0.16009190	−0.90117193
a	2.3902454	Ω	8.75338		−0.06954575	−0.39676673
e	0.1427227	i	0.31869			
P	3.70	H	15.0	G 0.15	U 4	

Residuals in seconds of arc

820225	010	0.3−	0.2+	900502	413	1.0+	0.3+	970329	327	0.2−	0.3−
820226	010	0.7+	0.1−	970210	910	0.1−	0.2+	970402	327	1.4+	0.7−
820227	010	2.5+	1.6−	970210	910	0.1−	0.1+	970402	327	0.7+	0.1−
820228	010	2.7−	2.1+	970210	910	0.1−	0.2+	970417	327	0.3−	0.1+
900429	413	0.8−	0.0	970329	327	0.1−	0.1−	970417	327	0.7−	0.1−
900501	413	0.3−	0.4+	970329	327	0.5−	0.1−	970417	327	0.4−	0.4+

1997 GH$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

					P	Q
M	18.61657		(2000.0)		−0.94223517	−0.33488837
n	0.25131346	ω	333.22967		+0.31587927	−0.88192713
a	2.4869032	Ω	187.21380		+0.11141440	−0.33174434
e	0.5730478	i	2.98165			
P	3.92	H	17.0	G 0.15	U 6	

From 180 observations 1997 Apr. 6–May 14, mean residual 0″.45.

1997 GR$_5$ = 1994 NJ$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	9.35252		(2000.0)		−0.96987717	+0.22741468
n	0.27448319	ω	82.24525		−0.24354923	−0.89838178
a	2.3449066	Ω	110.86722		−0.00469484	−0.37575621
e	0.1385243	i	5.36069			
P	3.59	H	15.0	G 0.15	U 5	

Residuals in seconds of arc

940711	809	0.9−	0.9−	970408	104	0.8+	1.3−	970413	104	1.0−	1.3+
940711	809	0.2−	0.8−	970408	104	0.3+	1.1−	970413	104	1.0−	1.4+
940711	809	0.3−	1.5−	970408	104	0.3−	0.9−	970414	104	1.4−	1.0+
940712	809	0.5+	0.8+	970409	104	0.3+	0.5−	970414	104	1.1−	0.9+
940712	809	0.5+	1.2+	970409	104	0.6+	0.2−	970414	104	0.9−	0.9+
940712	809	0.5+	1.3+	970409	104	0.9+	0.4+	970425	104	0.5+	0.6−
970406	104	0.1−	0.3−	970410	104	1.0+	0.1−	970425	104	1.0+	0.8−
970406	104	0.4−	0.1−	970410	104	1.3+	0.2−	970425	104	1.9+	1.0−
970406	104	0.7−	0.0	970410	104	1.4+	0.3−	970501	104	1.2−	0.2+
970406	104	0.6−	0.6+	970413	104	0.8−	1.2+	970501	104	0.8−	0.3−

1997 GX$_5$ = 1993 FP$_{51}$ = 1995 YX$_{16}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	48.11922		(2000.0)		−0.98146999	−0.18818966
n	0.26029732	ω	65.21837		+0.15963495	−0.90717239
a	2.4293472	Ω	103.91808		+0.10598751	−0.37632818
e	0.1191497	i	2.12989			
P	3.79	H	16.0	G 0.15	U 4	

Residuals in seconds of arc

930317	809	0.1−	0.9−	951228	691	0.1+	0.5+	970430	704	0.0	0.0
930318	809	0.2+	0.4−	951228	691	0.1+	0.4+	970430	704	0.0	0.1+
930319	691	0.5−	0.4−	970402	704	0.8+	1.0+	970430	704	0.9+	1.0−
930319	691	0.5−	0.6−	970402	704	0.5+	1.0+	970430	704	1.6−	0.3+
930319	691	0.3−	0.5−	970402	704	0.0	0.2+	970501	704	0.2−	0.3−
951222	691	0.4−	0.1+	970402	704	0.3−	1.9+	970501	704	1.0−	0.4−
951222	691	0.2−	0.7+	970406	704	1.7+	0.9+	970501	704	0.1+	0.1+
951222	691	0.1−	0.1+	970406	704	1.6+	1.4+	970501	704	0.4−	0.2−
951228	691	0.2−	0.4+	970430	704	0.1−	0.5−	970501	704	0.5−	0.2−

1997 GQ$_6$ = 1990 TO$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	279.12451		(2000.0)		+0.85382786	+0.51956654
n	0.24533148	ω	304.12302		−0.44865705	+0.76574380
a	2.5271665	Ω	24.62030		−0.26397886	+0.37906074
e	0.1796786	i	4.41525			
P	4.02	H	15.0	G 0.15	U 5	

Residuals in seconds of arc

901014	033	0.2−	0.5+	970406	704	0.4−	0.4+	970501	704	0.1+	0.2+
901014	033	0.4−	0.1−	970430	704	0.1+	0.3+	970501	704	0.3−	0.2+
901014	033	0.6+	0.3−	970430	704	0.0	0.7−	970501	704	0.1+	0.3+
970402	704	0.4+	0.4−	970430	704	0.4−	0.1−	970501	704	0.6+	0.0
970402	704	0.1+	0.3−	970430	704	0.0	0.3−	970501	704	0.4+	0.3+
970406	704	0.1+	0.6+	970430	704	0.8−	0.4−				

1997 GZ$_6$ = 1995 VR$_{16}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	Q
M	48.70505		(2000.0)		−0.98834945	−0.14613735
n	0.27664239	ω	126.86532		+0.11320119	−0.89261182
a	2.3326893	Ω	44.77620		+0.10173914	−0.42648332
e	0.0989244	i	3.46221			
P	3.56	H	16.0	G 0.15	U 4	

Residuals in seconds of arc

951115	691	0.1−	0.1−	970402	704	0.0	0.0	970430	704	0.2+	0.1−
951115	691	0.2−	0.1−	970406	704	0.1−	0.2+	970430	704	0.3+	0.2+
951115	691	0.2−	0.0	970406	704	0.2+	0.9+	970501	704	0.3−	0.1−
951120	691	0.3+	0.4+	970408	704	0.5+	0.1−	970501	704	0.0	0.5+
951120	691	0.2+	0.1−	970408	704	0.6−	0.0	970501	704	0.1+	0.4−
951120	691	0.1+	0.3−	970430	704	0.0	0.3−	970501	704	0.3−	0.2−
970402	704	0.3+	0.6−	970430	704	0.2−	0.3+	970501	704	0.1−	0.4−

1997 GQ_7 = 1985 UA_4 = 1992 FC

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	172.78137		(2000.0)		**P**		**Q**
n	0.21354911	ω	3.02358		+0.65212134		−0.73158552
a	2.7720701	Ω	46.38553		+0.68966844		+0.46360025
e	0.1589407	i	15.93716		+0.31479390		+0.49985742
P	4.62	H	12.5	G	0.15	U	4

Residuals in seconds of arc

851021 095	0.3−	0.5−	970406 704	0.0	0.2+	970501 704	0.4+	0.0		
851108 095	(29.7+	6.6−)	970407 704	0.7−	0.4+	970501 704	0.1+	0.3+		
851111 095	2.0−	3.6+	970407 704	0.5−	0.7+	970501 704	0.4+	0.1−		
920323 399	1.2+	0.4−	970408 704	0.4+	1.1+	970501 704	0.4+	0.3−		
920323 399	2.3−	0.1−	970408 704	0.1+	0.8+	970501 704	0.3+	0.3−		
920324 399	0.7+	0.6+	970430 704	0.4+	0.2−	970505 704	0.2+	0.2+		
920324 399	0.1+	0.4−	970430 704	0.4+	0.1−	970505 704	0.1−	0.4+		
970402 704	0.7+	0.3+	970430 704	0.6+	0.7+	970505 704	(3.2−	0.9−)		
970402 704	0.4−	0.1+	970430 704	0.4+	0.2+	970505 704	0.4+	0.1+		
970406 704	0.5−	0.2−	970430 704	0.2+	0.1−	970505 704	0.3−	0.1+		

1997 GU_7 = 1996 AA_5

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	294.86354		(2000.0)		**P**		**Q**
n	0.27860145	ω	245.53357		+0.74444796		+0.66481309
a	2.3217412	Ω	72.73479		−0.58675955		+0.69559025
e	0.2139121	i	3.71130		−0.31860706		+0.27235595
P	3.54	H	16.0	G	0.15	U	5

Residuals in seconds of arc

960112 691	0.5−	0.1+	970408 704	0.1+	0.6+	970501 704	0.4+	0.8−		
960112 691	0.1+	0.1−	970430 704	0.2−	0.0	970501 704	0.1+	0.1+		
960112 691	0.1−	0.3−	970430 704	0.0	0.6+	970505 704	0.5−	0.3−		
960118 691	0.5+	0.0	970430 704	0.0	0.3+	970505 704	0.0	0.3+		
960118 691	0.1+	0.1+	970430 704	0.0	0.3+	970505 704	0.3−	0.7−		
960118 691	0.1−	0.4+	970430 704	0.3+	0.3+	970505 704	0.7−	0.0		
970402 704	0.0	0.6−	970501 704	0.2+	0.1−	970505 704	0.2−	0.9+		
970402 704	0.2−	0.5−	970501 704	0.8+	0.0					
970408 704	0.4−	0.0	970501 704	0.5+	0.3−					

1997 GY_7 = 1977 UN_4 = 1992 DT_{13}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	102.25801		(2000.0)		**P**		**Q**
n	0.22501952	ω	15.57785		−0.36449327		−0.93078582
a	2.6770465	Ω	95.80505		+0.85133337		−0.34525054
e	0.1200629	i	1.61112		+0.37732764		−0.12016577
P	4.38	H	14.5	G	0.15	U	4

Residuals in seconds of arc

771018 675	0.1−	0.4−	970406 704	0.1−	0.3−	970430 704	0.1−	0.1+		
771019 675	0.3+	0.1−	970406 704	0.2−	0.5−	970430 704	0.5−	0.1−		
920227 033	0.2+	0.3−	970407 704	0.1−	0.5+	970501 704	0.2+	1.6+		
920227 033	0.0	0.2−	970407 704	0.2−	0.1+	970501 704	0.3−	0.5−		
920228 033	0.3−	0.3+	970430 704	0.8+	0.5−	970501 704	0.0	0.6−		
970402 704	0.5+	0.5+	970430 704	0.1−	0.2−	970501 704	0.0	0.3−		
970402 704	0.1+	0.6+	970430 704	0.3−	0.2−	970501 704	0.0	0.5−		

1997 GZ_7 = 1988 VK_5

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	247.54436		(2000.0)		**P**		**Q**
n	0.17524964	ω	299.25165		+0.92704082		+0.33986732
a	3.1625055	Ω	41.45090		−0.20274079		+0.80966895
e	0.0235494	i	13.84280		−0.31542272		+0.47846253
P	5.62	H	14.0	G	0.15	U	5

Residuals in seconds of arc

881104 033	0.4+	1.2+	970407 704	0.9+	0.6+	970501 704	0.5+	1.0−		
881104 046	2.0−	0.3+	970408 704	0.1−	0.5−	970501 704	0.0	0.9−		
881104 046	(6.4−	1.5−)	970408 704	0.1−	0.2+	970501 704	0.4+	0.1+		
881104 033	0.1−	1.2+	970430 704	0.1+	0.3+	970501 704	0.1+	0.2+		
881105 046	1.1+	0.6−	970430 704	0.2+	0.2−	970505 704	0.7−	0.1+		
881105 046	0.3+	1.6−	970430 704	0.2−	0.1+	970505 704	0.1+	0.3+		
970402 704	0.1−	0.4−	970430 704	0.1+	0.2−	970505 704	0.1−	0.2+		
970402 704	0.9−	0.3+	970430 704	0.4+	0.7+	970505 704	0.3−	0.2+		
970407 704	0.1+	0.2−	970501 704	0.1+	0.3−	970505 704	0.2−	0.6+		

1997 GB_8 = 1995 YD_9

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	41.20326		(2000.0)		**P**		**Q**
n	0.24134398	ω	8.25687		−0.99271040		−0.12042489
a	2.5549265	Ω	164.82389		+0.10948453		−0.91799837
e	0.1792043	i	1.07002		+0.05039038		−0.37785823
P	4.08	H	16.5	G	0.15	U	5

Residuals in seconds of arc

951218 691	0.1−	0.0	970402 704	0.2+	0.7−	970430 704	0.3−	0.3+		
951218 691	0.2−	0.0	970406 704	0.5+	0.7+	970430 704	0.1−	0.6+		
951218 691	0.1−	0.1+	970406 704	0.8−	0.6+	970430 704	0.2+	0.4+		
951223 691	0.3+	0.0	970408 704	0.1+	0.3−	970501 704	0.3−	0.2+		
951223 691	0.0	0.4+	970408 704	0.6+	0.0	970501 704	0.6+	0.1+		
951223 691	0.1+	0.3−	970430 704	0.5−	0.0	970501 704	0.5+	0.2+		
970402 704	0.4−	0.5−	970430 704	1.0−	0.3+	970501 704	0.7+	2.1−		

1997 GD_8 = 1995 VG_{18}

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	21.97144		(2000.0)		**P**		**Q**
n	0.27792771	ω	173.71805		−0.92450425		+0.38116354
a	2.3254918	Ω	28.68813		−0.34994462		−0.84614585
e	0.1594111	i	0.29852		−0.15109819		−0.37249370
P	3.55	H	16.0	G	0.15	U	5

Residuals in seconds of arc

951115 691	0.1−	0.1+	970402 704	1.1−	0.1+	970430 704	0.1+	0.6+		
951115 691	0.0	0.0	970408 704	0.2+	0.5+	970501 704	0.3+	0.3−		
951115 691	0.1+	0.2−	970408 704	0.0	0.2+	970501 704	0.0	0.3−		
951120 691	0.3−	0.1−	970430 704	0.1+	0.1−	970501 704	0.2−	0.4−		
951120 691	0.2+	0.0	970430 704	0.1+	0.7−	970501 704	0.3−	0.3+		
951120 691	0.1+	0.1+	970430 704	0.2−	1.2+	970501 704	0.0	0.0		
970402 704	1.0+	0.6−	970430 704	0.1−	0.4−					

1997 GE$_8$ = 1991 TP$_8$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	90.44500		(2000.0)		**P**		**Q**
n	0.26050600	ω	226.20174		−0.53782201		−0.84303119
a	2.4280497	Ω	256.33492		+0.77547907		−0.49154171
e	0.1367516	i	0.39950		+0.33072601		−0.21836932
P	3.78	H	15.5	G	0.15	U	5

Residuals in seconds of arc

911001	691	0.3+	0.3−	970406	704	0.0	1.2+	970501	704	0.6−	0.1−
911001	691	0.5+	0.2−	970406	704	0.5+	0.5−	970505	704	0.3−	0.1−
911001	691	0.5+	0.2+	970408	704	1.0+	0.1+	970505	704	0.2+	0.1−
911013	691	0.3−	0.0	970408	704	0.2+	0.2+	970505	704	0.1+	0.1−
911013	691	0.3−	0.5+	970501	704	0.1+	0.1−	970505	704	0.2−	0.1−
911013	691	0.7−	0.0	970501	704	0.5−	0.2+	970505	704	0.3+	0.9+
970402	704	0.0	0.1+	970501	704	0.4+	0.6−				
970402	704	0.8−	0.7−	970501	704	0.3−	0.0				

1997 GL$_8$ = 1990 RF$_8$ = 1993 BM$_{15}$ = 1994 TH$_{17}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	306.80307		(2000.0)		**P**		**Q**
n	0.25805419	ω	275.69536		+0.50012971		+0.86527789
a	2.4434049	Ω	24.40619		−0.75822046		+0.45660539
e	0.1619370	i	4.73714		−0.41829656		+0.20689539
P	3.82	H	14.5	G	0.15	U	1

Residuals in seconds of arc

900914	809	0.3−	0.5+	970402	704	0.7+	0.2+	970501	704	0.1+	0.1+
900914	809	0.0	0.3+	970402	704	0.9−	0.2+	970501	704	0.1−	0.3+
900914	809	0.8+	0.1+	970406	704	0.8−	0.6−	970501	704	0.2+	0.2+
900915	809	0.3−	0.4−	970406	704	0.1−	0.5+	970501	704	0.1−	0.5+
900915	809	0.1+	0.9−	970408	704	0.4+	0.2+	970501	704	0.6+	0.2+
900915	809	0.6+	1.2−	970408	704	1.0−	0.6−	970505	704	0.3+	0.2−
930122	691	0.4−	0.8−	970430	704	0.1+	0.2+	970505	704	0.3+	0.0
930122	691	0.6−	0.7−	970430	704	0.0	0.1+	970505	704	0.1+	0.2−
930122	691	0.4−	1.0−	970430	704	0.0	0.3+	970505	704	0.0	0.5−
941008	691	0.1−	0.3+	970430	704	0.1+	0.2+	970505	704	0.4+	0.2−
941008	691	0.2−	0.2+	970430	704	0.1−	0.2−				

1997 GN$_8$ = 1981 RO$_6$ = 1987 SB$_{29}$ = 1991 GD$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	288.04766		(2000.0)		**P**		**Q**
n	0.17329471	ω	285.89226		+0.72182840		+0.69056096
a	3.1862451	Ω	30.47796		−0.59548712		+0.65338867
e	0.1488691	i	5.17047		−0.35264552		+0.31017543
P	5.69	H	14.0	G	0.15	U	2

Residuals in seconds of arc

810901	675	0.2−	0.6+	970402	704	0.1−	1.2−	970501	704	0.3−	0.2+
810902	675	0.5−	0.8+	970402	704	0.9−	1.1−	970501	704	0.1−	0.1−
870924	095	0.1−	0.3+	970406	704	0.5−	0.9+	970505	704	0.1−	0.1−
910408	809	0.4+	1.0+	970406	704	0.3−	0.1+	970505	704	0.5+	0.1−
910408	809	0.5+	1.5+	970408	704	0.0	0.5+	970505	704	0.2+	0.9−
910408	809	0.1+	1.0+	970408	704	0.3−	0.4+	970505	704	0.1−	1.0−
910410	809	0.2−	1.0+	970501	704	0.4+	0.0	970505	704	0.0	0.5−
910410	809	0.6+	0.2−	970501	704	0.1+	0.5−				
910410	809	1.0+	0.2+	970501	704	0.2−	0.0				

1997 GE$_{17}$ = 1977 EQ$_7$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	72.11504		(2000.0)		**P**		**Q**
n	0.29767060	ω	138.40653		−0.72662723		−0.68702590
a	2.2214954	Ω	358.19057		+0.60381690		−0.63661202
e	0.0532422	i	5.23048		+0.32774689		−0.35031494
P	3.31	H	16.0	G	0.15	U	5

Residuals in seconds of arc

770312	381	2.5−	1.5+	970312	809	0.7−	0.3+	970405	704	0.8+	0.4−
770312	381	0.5−	0.4−	970312	809	1.1−	0.1−	970405	704	0.8+	0.2−
770314	381	0.6+	0.1−	970313	809	0.1−	0.3+	970406	704	1.2−	1.0−
770314	381	2.6+	0.2−	970313	809	1.4+	0.3−	970406	704	0.0	1.1−
770315	381	0.3+	1.5−	970313	809	0.3−	1.1−	970407	704	0.7−	1.5+
770315	381	0.4−	0.8+	970403	704	0.0	0.0	970407	704	0.1+	1.0+
970312	809	0.7+	0.6+	970403	704	0.3+	0.3+				

1997 GO$_{18}$ = 1994 TR$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	302.11010		(2000.0)		**P**		**Q**
n	0.23734215	ω	95.61581		+0.22659209		+0.97361930
a	2.5835654	Ω	187.64124		−0.95434282		+0.21642576
e	0.1346581	i	11.65417		−0.19464278		+0.07228654
P	4.15	H	16.0	G	0.15	U	5

Residuals in seconds of arc

941002	691	0.1−	0.2−	941011	691	0.1+	0.0	970407	704	0.2+	0.3+
941002	691	0.1+	0.1+	941011	691	0.2−	0.1−	970407	704	0.8+	0.0
941002	691	0.2−	0.1+	970403	704	0.8−	0.2−	970411	704	0.4−	0.6+
941011	691	0.2+	0.1−	970403	704	0.5−	0.4−	970411	704	0.6+	0.5−

1997 GV$_{18}$ = 1977 UU$_4$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	106.28018		(2000.0)		**P**		**Q**
n	0.17149998	ω	236.86597		+0.08431472		−0.99587039
a	3.2084356	Ω	208.35492		+0.93620137		+0.09074044
e	0.1444860	i	4.06449		+0.34120086		−0.00288622
P	5.75	H	14.0	G	0.15	U	5

Residuals in seconds of arc

771018	675	0.2−	0.3+	970313	809	1.2−	0.2−	970405	704	0.5+	1.6+
771019	675	0.2+	0.2−	970313	809	1.7+	0.8−	970405	704	0.2+	0.1+
970312	809	1.5+	1.0−	970313	809	0.6−	0.5+	970411	704	0.6−	1.0−
970312	809	0.8−	0.9+	970403	704	0.3−	0.0	970411	704	0.0	0.6−
970312	809	1.0−	0.0	970403	704	0.4+	0.5+				

1997 GX$_{18}$ = 1995 TK$_7$

Id. G. V. Williams, K. Ichikawa

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	78.84338		(2000.0)		**P**		**Q**
n	0.24004663	ω	209.40431		−0.41935866		−0.90735970
a	2.5641237	Ω	265.40281		+0.83847384		−0.37491412
e	0.1582229	i	1.66289		+0.34799416		−0.19009939
P	4.11	H	16.0	G	0.15	U	4

Residuals in seconds of arc

951015	691	0.1+	0.1−	951022	691	0.0	0.0	970403	704	0.0	0.2−
951015	691	0.2+	0.0	970313	809	0.6+	0.5−	970405	704	0.5+	0.5−
951015	691	0.0	0.2+	970313	809	0.6+	0.1−	970405	704	0.2−	0.5+
951022	691	0.0	0.0	970313	809	1.1−	0.7+	970411	704	0.6+	0.4+
951022	691	0.2−	0.0	970403	704	0.8−	0.1−	970411	704	0.2−	0.2−

1997 GR$_{20}$ = 1990 QH$_{19}$ = 1993 FW$_{78}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	259.15135		(2000.0)		**P**		**Q**
n	0.24669033	ω	294.21281		+0.79905180		+0.60118167
a	2.5178777	Ω	28.83557		−0.54398124		+0.72980260
e	0.1443431	i	1.16907		−0.25612621		+0.32552845
P	4.00	H	16.0	G	0.15	U	5

Residuals in seconds of arc

900824	809	0.9+	0.6+	970406	704	1.0+	0.1+	970503	691	1.3−	0.2−
900824	809	0.6−	0.3+	970406	704	0.7+	1.0+	970503	691	1.1−	0.4−
900824	809	0.7−	0.1−	970407	704	1.9+	0.3+	970509	691	0.6−	0.5−
930321	809	0.2−	1.7+	970407	704	0.4+	0.5+	970509	691	0.3−	0.6−
930322	809	1.1+	0.2+	970503	691	1.2−	0.5−	970509	691	0.5−	1.1−

1997 GM$_{22}$ = 1992 DV$_{13}$ = 1985 TN$_{1}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	288.56474		(2000.0)		**P**		**Q**
n	0.22983111	ω	290.92170		+0.77657968		+0.62027455
a	2.6395517	Ω	31.05310		−0.46866571		+0.68584149
e	0.1910500	i	12.35581		−0.42104210		+0.38063229
P	4.29	H	14.0	G	0.15	U	4

Residuals in seconds of arc

851012	688	0.3−	0.4+	970408	704	0.9−	0.3−	970501	704	0.1+	0.0
851015	688	2.2+	0.3−	970408	704	0.4−	0.2−	970505	704	0.8+	0.2+
851015	688	1.6−	0.5−	970430	704	0.6+	0.1+	970505	704	0.6+	0.2−
920224	691	0.1+	0.3−	970430	704	0.1+	0.3+	970505	704	0.8+	0.4−
920224	691	0.2−	0.2−	970430	704	0.3+	0.7+	970505	704	0.4+	0.5−
920224	691	0.1−	0.2+	970430	704	0.5+	0.3+	970505	704	0.1+	0.9−
970402	704	0.1+	1.0+	970501	704	0.0	0.1−	970507	566	0.7−	0.1+
970402	704	0.8−	0.1+	970501	704	0.4+	0.7−	970507	566	0.6−	0.0
970406	704	0.4−	0.2+	970501	704	0.0	0.3+	970507	566	0.9−	0.1+
970406	704	0.8−	0.1−	970501	704	0.1+	0.4−				

1997 GX$_{22}$ = 1991 XV$_{6}$ = 1993 GQ$_{1}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	336.39974		(2000.0)		**P**		**Q**
n	0.26449010	ω	116.11665		−0.10891206		+0.99392377
a	2.4036050	Ω	147.61848		−0.92231774		−0.09506314
e	0.1521217	i	1.70431		−0.37076697		−0.05548464
P	3.73	H	15.5	G	0.15	U	3

Residuals in seconds of arc

911214	691	0.9+	0.1+	970407	704	0.4+	0.0	970501	704	0.2+	0.3+
911214	691	0.1−	0.5−	970408	704	0.4−	0.6−	970501	704	0.2+	0.3+
911214	691	1.0−	1.4+	970408	704	0.2−	0.2−	970501	704	0.1+	0.1+
930414	691	0.0	0.0	970430	704	0.4+	0.1+	970501	704	0.0	0.8−
930414	691	0.2−	0.5−	970430	704	0.0	0.1+	970505	704	0.3−	0.1−
930414	691	0.2−	0.4−	970430	704	0.0	0.3+	970505	704	0.1−	0.0
970406	704	0.9+	0.6+	970430	704	0.2−	0.5+	970505	704	0.6−	0.1−
970406	704	0.0	0.6−	970430	704	0.2+	0.1−	970505	704	0.2−	0.2+
970407	704	0.3−	0.2+	970501	704	0.3+	0.6+	970505	704	0.1+	0.5+

1997 GB$_{23}$ = 1995 UT$_{30}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	94.47331		(2000.0)		**P**		**Q**
n	0.23586800	ω	40.07348		−0.30494005		−0.94928574
a	2.5943189	Ω	67.80406		+0.85122982		−0.30774462
e	0.2245452	i	4.74578		+0.42710580		−0.06441926
P	4.18	H	15.0	G	0.15	U	4

Residuals in seconds of arc

951020	691	0.1−	0.3+	970408	704	0.3+	0.7+	970501	704	0.3−	0.8+
951020	691	0.1+	0.1−	970430	704	0.1−	1.1−	970501	704	0.8−	0.2−
951020	691	0.3+	0.3−	970430	704	0.8+	0.2+	970505	704	0.4−	0.5−
951025	691	0.2−	0.0	970430	704	0.2−	0.4+	970505	704	0.1+	0.4−
951025	691	0.1+	0.3−	970430	704	0.1+	0.2−	970505	704	0.0	0.7−
951025	691	0.2−	0.3+	970430	704	0.4+	0.7+	970505	704	0.4+	0.0
970406	704	1.2−	0.3+	970501	704	0.4+	0.7+	970505	704	0.5−	0.1−
970406	704	0.4+	0.5−	970501	704	0.2+	0.5+				
970408	704	0.1+	0.7−	970501	704	0.3+	0.2−				

1997 GK$_{23}$ = 1992 GU$_{4}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	312.82598		(2000.0)		**P**		**Q**
n	0.19955109	ω	100.78963		+0.12459458		+0.99220505
a	2.9002359	Ω	176.36533		−0.92397077		+0.11687351
e	0.0231034	i	2.08701		−0.36159951		+0.04324028
P	4.94	H	14.5	G	0.15	U	5

Residuals in seconds of arc

920404	809	0.8+	0.5+	970406	704	0.1−	1.0+	970430	704	0.6−	0.2−
920404	809	0.1−	0.3+	970408	704	0.0	0.4−	970505	704	0.2−	0.2−
920404	809	0.9−	0.4−	970408	704	0.0	0.2−	970505	704	0.1+	0.1−
920406	809	0.1−	0.6+	970430	704	0.3+	0.2+	970505	704	0.1+	0.1+
920406	809	0.3−	0.0	970430	704	0.1+	0.7−	970505	704	0.5+	0.1+
920406	809	0.6+	1.0−	970430	704	0.0	0.4+	970505	704	0.1+	0.4+
970406	704	0.1+	0.4−	970430	704	0.5−	0.2−				

1997 GL$_{23}$ = 1978 WG$_{15}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	119.89050		(2000.0)		**P**		**Q**
n	0.18104846	ω	40.35239		−0.05969896		−0.99569297
a	3.0946116	Ω	53.18717		+0.89151240		−0.08514891
e	0.1466766	i	5.08311		+0.44904529		+0.03667664
P	5.44	H	13.5	G	0.15	U	5

Residuals in seconds of arc

781130	675	0.2−	0.2−	970430	704	0.3−	0.1+	970501	704	0.0	0.3−
781201	675	0.2+	0.2+	970430	704	0.0	0.2+	970505	704	0.3+	0.6−
970406	704	0.8+	0.5−	970430	704	0.9−	0.1−	970505	704	0.2−	0.2−
970406	704	0.4−	0.3+	970430	704	0.1−	0.1+	970505	704	0.5+	0.0
970407	704	0.2−	0.5+	970430	704	0.3−	0.4+	970505	704	0.4−	0.3−
970407	704	0.3+	0.7+	970501	704	0.2+	0.9+	970505	704	0.6+	0.4−
970408	704	0.0	0.8−	970501	704	0.2−	0.4+				
970408	704	0.4−	0.2−	970501	704	0.6+	0.1−				

1997 GR$_{23}$ = 1996 AZ$_{19}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	310.75797		(2000.0)		**P**		**Q**
n	0.18866461	ω	267.17823		+0.50532354		+0.86055382
a	3.0107573	Ω	33.42228		−0.73837281		+0.46957388
e	0.2118066	i	6.67185		−0.44660242		+0.19735119
P	5.22	H	14.5	G	0.15	U	4

Residuals in seconds of arc

960115	691	0.2−	0.1−	970408	704	0.0	1.4−	970501	704	0.1−	0.0
960115	691	0.1−	0.3−	970430	704	0.3−	0.5+	970501	704	0.1−	0.1+
960115	691	0.1+	0.0	970430	704	0.3+	0.2−	970505	704	0.2+	0.1+
960121	691	0.1+	0.0	970430	704	0.1+	0.1+	970505	704	0.2+	0.2+
960121	691	0.2+	0.2+	970430	704	0.2−	0.6−	970505	704	0.1−	0.1−
960121	691	0.1−	0.2+	970430	704	0.0	0.5−	970505	704	0.1−	0.5−
970406	704	0.3−	0.8+	970501	704	1.1+	0.5+	970505	704	0.3−	0.4−
970406	704	0.5+	0.5+	970501	704	0.0	0.4+				
970408	704	0.3−	0.1−	970501	704	0.5−	0.5+				

1997 GO$_{27}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	275.12110		(2000.0)		**P**		**Q**
n	0.58184277	ω	139.23000		+0.84455738		+0.53334425
a	1.4210160	Ω	188.92167		−0.53529306		+0.83868869
e	0.0710444	i	17.87833		−0.01357095		+0.11020518
P	1.69	H	18.5	G	0.15	U	6

From 43 observations 1997 Apr. 12–May 14, mean residual 0″.47.

1997 GC$_{32}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	347.23645		(2000.0)		**P**		**Q**
n	0.33958240	ω	149.79504		+0.84181960		+0.53974072
a	2.0347260	Ω	177.52551		−0.51351822		+0.80340038
e	0.6560409	i	5.90238		−0.16624920		+0.25145137
P	2.90	H	18.5	G	0.15	U	5

From 74 observations 1997 Apr. 14–May 18, mean residual 0″.44.

1997 GD$_{32}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	356.28301		(2000.0)		**P**		**Q**
n	0.32617342	ω	225.14028		+0.19633932		+0.97748588
a	2.0901158	Ω	56.33167		−0.87141361		+0.21007994
e	0.5987722	i	5.32792		−0.44954331		+0.01969196
P	3.02	H	21.5	G	0.15	U	6

From 90 observations 1997 Apr. 14–May 6, mean residual 0″.66.

1997 GT$_{32}$ = 1992 GM$_{1}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	205.58733		(2000.0)		**P**		**Q**
n	0.19996533	ω	14.52187		+0.99430666		−0.10649718
a	2.8962291	Ω	351.58916		+0.09518202		+0.90265960
e	0.0980536	i	1.39133		+0.04790246		+0.41697002
P	4.93	H	13.5	G	0.15	U	6

Residuals in seconds of arc

920403	303	0.0	0.5+	970312	809	1.3+	0.6−	970403	704	0.4−	0.3−
920403	303	1.6+	0.5−	970312	809	0.5−	0.3−	970403	704	0.0	0.4−
920403	303	0.6+	1.4+	970312	809	0.9−	0.4+	970411	704	0.2−	0.1−
920404	303	2.5−	0.6−	970313	809	0.5−	0.1+	970411	704	0.7+	0.5+
920404	303	1.4−	0.4−	970313	809	1.2+	0.1+				
920404	303	1.7+	0.4−	970313	809	0.6−	0.4+				

1997 GP$_{33}$ = 1994 PG$_{33}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	121.46464		(2000.0)		**P**		**Q**
n	0.22379001	ω	255.53339		+0.15333480		−0.98816185
a	2.6868428	Ω	185.65339		+0.92492136		+0.14528501
e	0.0708789	i	2.88610		+0.34786336		+0.04927908
P	4.40	H	15.0	G	0.15	U	5

Residuals in seconds of arc

940810	809	0.2+	0.6+	970312	809	0.3+	0.7−	970404	566	0.8−	0.2−
940810	809	0.8−	0.4−	970312	809	0.6−	1.6−	970404	566	1.5−	0.6−
940810	809	1.6−	0.4+	970313	809	0.9−	1.2+	970404	566	1.4−	0.3−
940811	809	1.7+	0.0	970313	809	1.1+	1.7+	970411	704	0.6+	0.4−
940811	809	0.0	0.5−	970313	809	0.2−	0.9+	970411	704	0.5+	0.6+
940811	809	0.4+	0.1−	970403	704	1.1+	0.2+				
970312	809	1.0+	1.7−	970403	704	1.0+	0.9+				

1997 GB$_{35}$ = 1975 LH$_{1}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	134.90457		(2000.0)		**P**		**Q**
n	0.17388391	ω	63.28377		+0.32995281		−0.94353377
a	3.1790433	Ω	7.63114		+0.76748566		+0.24987904
e	0.0355273	i	12.87195		+0.54963342		+0.21749595
P	5.67	H	13.0	G	0.15	U	5

Residuals in seconds of arc

750601	413	0.2+	0.4−	970312	809	0.2−	0.1+	970403	704	0.3−	0.0
750601	413	0.8+	0.0	970312	809	0.2−	0.3−	970403	704	0.6−	0.4+
750603	413	1.1−	0.0	970313	809	0.1−	0.1+	970411	704	0.3+	0.2+
750603	413	0.2+	0.3+	970313	809	1.1+	0.1−	970411	704	0.5+	0.7−
970312	809	0.5+	0.2−	970313	809	0.9−	0.4+				

1997 GT$_{36}$ = 1977 EW$_{6}$ = 1985 XC$_{2}$ = 1989 TN$_{17}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	160.87517		(2000.0)		**P**		**Q**
n	0.20314791	ω	253.00487		+0.39528716		−0.91854897
a	2.8659007	Ω	173.70693		+0.85597583		+0.36677992
e	0.0528301	i	2.08179		+0.33324683		+0.14744585
P	4.85	H	13.5	G	0.15	U	5

Residuals in seconds of arc

770312	381	1.9−	1.1+	891009	809	0.0	0.6−	970411	704	1.4+	0.9−
770312	381	0.6+	0.3−	891009	809	0.2+	0.6−	970411	704	1.1+	0.2+
770314	381	0.8+	0.0	891010	809	0.0	0.5+	970503	809	1.3−	0.9+
770314	381	1.7+	0.5−	891010	809	0.0	0.5+	970503	809	1.3−	0.1−
770315	381	1.1−	0.8−	891010	809	0.1+	0.5+	970503	809	(2.1−	0.4−)
770315	381	0.1−	0.4+	970407	704	0.9+	0.7−	970504	809	0.6−	0.0
851214	675	(4.4+	7.9+)	970407	704	0.5+	0.6−	970504	809	1.1−	0.3+

851214 675 (2.1+ 9.7+) 970411 704 (2.6+ 1.0−) 970504 809 0.5− 1.4+
891009 809 0.2− 0.6− 970411 704 1.2+ 0.8−

1997 GT$_{37}$ = 1991 RV$_{14}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	179.76450		(2000.0)	**P**	**Q**	
n	0.27005708	ω	194.31269	+0.86599779	−0.49992797	
a	2.3704584	Ω	195.69675	+0.46267230	+0.80938279	
e	0.1777653	i	2.31913	+0.18968967	+0.30817450	
P	3.65	H	15.0	G 0.15	U 6	

Residuals in seconds of arc

910911 675 2.1+ 0.9+ 970312 809 2.5+ 0.9− 970405 566 1.2− 0.3−
910911 675 1.0− 1.0− 970312 809 2.2+ 1.1− 970405 566 1.0− 0.4−
910915 675 0.4+ 1.0− 970312 809 1.4+ 1.0− 970411 704 0.3− 0.0
910915 675 0.8+ 1.0− 970313 809 0.6+ 0.4+ 970411 704 0.5+ 1.7+
910915 691 1.1− 1.1+ 970313 809 (4.4+ 1.5−) 970411 704 2.3− 0.5+
910915 691 1.1− 0.9+ 970313 809 (2.8+ 0.7−) 970411 704 0.5− 1.1+
910915 691 (4.2− 4.5+) 970405 566 1.4− 0.3−

1997 GA$_{38}$ = 1993 FJ$_{47}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	281.54987		(2000.0)	**P**	**Q**	
n	0.25577352	ω	138.25873	+0.69675230	+0.71728985	
a	2.4579082	Ω	175.89656	−0.67714826	+0.66030154	
e	0.2045135	i	4.49915	−0.23665686	+0.22247954	
P	3.85	H	14.0	G 0.15	U 6	

Residuals in seconds of arc

930319 809 0.3− 0.3+ 970312 809 0.3+ 0.4− 970405 566 1.3− 0.2+
930320 809 0.0 1.0+ 970313 809 0.5− 0.7− 970405 566 1.0− 0.6+
930324 809 0.6+ 0.5− 970313 809 0.6+ 0.2− 970411 704 0.8+ 0.1+
970312 809 1.3+ 0.6− 970313 809 1.2− 0.2+ 970411 704 1.6+ 0.3+
970312 809 0.4+ 0.4− 970405 566 1.1− 0.1+

1997 HO$_2$ = 1982 KM$_2$

Id. G. V. Williams

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	249.11359		(2000.0)	**P**	**Q**	
n	0.19698259	ω	174.86525	+0.99730244	+0.07340021	
a	2.9253925	Ω	180.92589	−0.06839540	+0.92679347	
e	0.1000110	i	1.76761	−0.02664410	+0.36832904	
P	5.00	H	14.0	G 0.15	U 7	

Residuals in seconds of arc

820516 675 0.2− 0.9− 970501 684 0.2− 0.0 970507 566 0.9− 0.0
820516 675 0.4− 0.8+ 970501 684 0.1− 0.1− 970507 566 0.1+ 0.7−
820517 675 0.4+ 0.6− 970501 684 0.1+ 0.1− 970508 684 0.8+ 0.1+
820518 675 0.2+ 0.7+ 970502 684 0.1− 0.2+ 970508 684 0.5− 0.7+
970428 684 0.1+ 0.2+ 970502 684 0.1+ 0.1+
970428 684 0.3+ 0.0 970507 566 0.2+ 0.4−

1997 HM$_{10}$ = 1993 FH$_{76}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	321.87518		(2000.0)	**P**	**Q**	
n	0.25776952	ω	84.77770	+0.33525700	+0.94202346	
a	2.4452035	Ω	204.82450	−0.87701128	+0.30664305	
e	0.2235067	i	1.90382	−0.34417140	+0.13624186	
P	3.82	H	16.5	G 0.15	U 6	

Residuals in seconds of arc

930321 809 0.1− 0.7− 970430 704 0.7+ 0.3− 970505 704 0.1− 0.8−
930322 809 0.0 0.5+ 970430 704 0.6− 0.5+ 970505 704 1.0+ 1.4+
970408 704 0.1− 0.4+ 970501 704 0.6+ 0.0 970505 704 0.3− 0.7−
970408 704 0.1− 0.1− 970501 704 0.3+ 0.4+ 970505 704 0.5− 0.5−
970430 704 0.1− 1.0+ 970501 704 0.3+ 0.0 970505 704 1.8− 1.5−
970430 704 0.4+ 0.7+ 970501 704 0.0 0.2+
970430 704 0.1− 0.3− 970501 704 0.5+ 0.2−

2100 P-L = 1997 FF$_3$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	305.99031		(2000.0)	**P**	**Q**	
n	0.20406881	ω	74.20245	−0.05277800	+0.99638466	
a	2.8572723	Ω	193.31489	−0.99058690	−0.06066958	
e	0.0719055	i	16.80239	−0.12630155	+0.05947113	
P	4.83	H	14.5	G 0.15	U 6	

Residuals in seconds of arc

600924 675 0.4+ 0.7+ 601022 675 0.5− 0.0 970403 704 0.3− 0.2−
600926 675 0.4+ 1.2− 601025 675 1.0+ 0.7+ 970406 704 0.0 0.5−
600928 675 0.5+ 1.0− 601026 675 0.7− 0.6− 970406 704 0.3+ 0.5−
600928 675 0.7− 0.1+ 970331 704 0.1+ 0.6+ 970407 704 0.5+ 0.2−
600929 675 0.2− 1.7+ 970331 704 0.3+ 1.2+ 970407 704 0.5− 0.7+
601017 675 0.3− 0.6+ 970403 704 0.3− 0.1+

2635 P-L = 1997 GX$_{28}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	319.07981		(2000.0)	**P**	**Q**	
n	0.28615275	ω	72.71276	−0.12341954	+0.99230666	
a	2.2807137	Ω	190.21254	−0.93008288	−0.11909569	
e	0.1605572	i	3.15315	−0.34599633	−0.03381878	
P	3.44	H	15.0	G 0.15	U 5	

Residuals in seconds of arc

600924 675 0.8− 1.1− 601025 675 0.9− 0.4+ 970408 691 1.0− 0.1+
600925 675 0.1− 0.6+ 601026 675 0.3− 0.1− 970408 691 0.9− 0.3+
600926 675 0.5+ 0.5+ 601026 675 0.5+ 0.9− 970415 691 0.5+ 0.2−
600928 675 0.9+ 0.3+ 970328 327 0.3+ 0.4− 970415 691 0.6+ 0.0
600928 675 1.1+ 1.0− 970328 327 0.6+ 0.6− 970415 691 0.4+ 0.1−
601017 675 1.2+ 0.2− 970328 327 0.1+ 0.1+ 970416 691 0.3− 0.5−
601022 675 0.7− 0.5+ 970328 327 0.3+ 0.4− 970416 691 0.3− 0.4−
601022 675 0.7− 1.0− 970408 691 1.0− 0.3+ 970416 691 0.1− 0.4−

2785 P-L = 1960 UC = 3185 T-3

Id. H. Kaneda (*MPC* 16034), G. V. Williams (d)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	257.44535			(2000.0)		**P**		**Q**			
n	0.23277987		ω	251.54489		+0.96427626		+0.26218605			
a	2.6172132		Ω	93.24184		−0.22650418		+0.89008675			
e	0.1026358		i	2.17047		−0.13735771		+0.37283248			
P	4.23		H	15.0	G	0.15		U	5		

Residuals in seconds of arc

600926	675	0.5+	1.4−	771016	675	1.3+	0.6−	970503	809	0.5−	1.3−
600928	675	0.2+	0.2−	771016	675	0.4+	0.0	970503	809	0.2−	1.3−
600929	675	0.0	0.1+	771017	675	1.1+	0.2−	970503	809	0.5−	0.2+
601026	675	0.1−	0.1+	771017	675	0.4−	0.1−	970504	809	1.5+	0.5−
771011	675	2.1−	1.6+	771021	675	0.3−	1.4+	970504	809	0.3−	1.1+
771011	675	1.4−	0.5+	771021	675	1.3−	0.2−	970504	809	0.2+	2.3+
771012	675	1.0−	0.4−	771022	675	2.3+	0.1+				
771012	675	1.1−	0.1+	771022	675	1.8+	0.4−				

2839 P-L = 1994 TJ$_{17}$ = 1997 GY$_{32}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	353.55799			(2000.0)		**P**		**Q**			
n	0.23111892		ω	226.17218		−0.74027175		+0.67229680			
a	2.6297374		Ω	356.06663		−0.59965000		−0.66284120			
e	0.1096666		i	3.20946		−0.30400265		−0.32963398			
P	4.26		H	15.5	G	0.15		U	5		

Residuals in seconds of arc

600924	675	1.0+	0.4+	600929	675	1.3+	0.2+	970312	809	(2.1−	5.5−)
600924	675	0.1−	0.0	600929	675	0.2+	0.5+	970403	704	0.5+	0.6−
600926	675	0.5−	1.6−	941008	691	0.0	0.5+	970403	704	0.2−	1.0−
600926	675	0.9−	0.1−	941008	691	0.2−	0.0	970411	704	0.1−	0.6+
600928	675	0.0	0.5+	970312	809	(0.6−	6.1−)	970411	704	0.5−	0.4+
600928	675	0.5−	1.1−	970312	809	(2.7−	7.1−)				

4780 P-L = 1997 GZ$_{21}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	79.46521			(2000.0)		**P**		**Q**			
n	0.17561070		ω	306.17942		−0.66498825		−0.74680067			
a	3.1581693		Ω	185.52758		+0.71149073		−0.62982896			
e	0.1316751		i	5.30722		+0.22709374		−0.21355148			
P	5.61		H	14.0	G	0.15		U	5		

Residuals in seconds of arc

600924	675	0.4−	0.8−	970407	704	0.1−	1.0−	970501	704	0.3−	0.2−
600926	675	0.2−	0.3+	970407	704	(3.5+	1.6−)	970501	704	0.2−	0.2+
600927	675	0.5+	2.0+	970430	704	0.0	0.5+	970501	704	0.2−	0.1+
600928	675	1.0−	0.1+	970430	704	0.1−	0.4−	970505	704	0.1−	0.2+
601017	675	0.3−	0.8−	970430	704	0.3+	0.1−	970505	704	0.0	0.7+
601022	675	0.8+	1.9−	970430	704	0.2+	0.3−	970505	704	0.1−	0.3+
601025	675	0.8+	0.7+	970430	704	0.1+	0.3−	970505	704	0.1−	0.2+
970406	704	0.4+	0.2−	970501	704	0.1+	0.1+	970505	704	0.2−	0.4+
970406	704	0.1+	0.2−	970501	704	0.1+	0.3−				

4896 P-L = 1982 SR$_3$ = 1997 HK$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	251.38241			(2000.0)		**P**		**Q**			
n	0.18029895		ω	237.95220		+0.99042154		+0.13177587			
a	3.1031821		Ω	114.44691		−0.10641543		+0.91877440			
e	0.1818139		i	2.59613		−0.08798254		+0.37214073			
P	5.47		H	14.0	G	0.15		U	5		

Residuals in seconds of arc

600926	675	0.6−	0.9−	970406	704	0.4−	0.2−	970430	704	0.0	0.4−
600927	675	0.1+	1.2+	970406	704	1.0−	0.7+	970501	704	1.2+	1.0+
600928	675	0.2−	0.1−	970430	704	0.3+	0.5+	970501	704	0.3−	0.6+
601017	675	0.3+	0.6+	970430	704	0.2+	0.6+	970501	704	0.7+	1.2−
820924	033	0.8+	0.5−	970430	704	0.2−	0.2+	970501	704	0.1+	0.4−
820924	033	0.5−	0.2−	970430	704	0.0	0.2−	970501	704	0.6−	1.1−

6186 P-L = 1997 JZ$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	315.80205			(2000.0)		**P**		**Q**			
n	0.28902232		ω	96.56163		+0.46195044		+0.88619729			
a	2.2655925		Ω	201.06390		−0.84770955		+0.42943349			
e	0.1933445		i	5.65927		−0.26074952		+0.17390008			
P	3.41		H	16.0	G	0.15		U	5		

Residuals in seconds of arc

600924	675	0.6−	0.2−	601022	675	0.5+	0.0	970504	809	0.6+	0.6−
600925	675	0.2+	0.9−	601026	675	0.5−	0.6−	970504	809	0.1−	0.4−
600926	675	0.1+	0.3+	970503	809	1.7−	0.3−	970504	809	0.6+	1.2+
600928	675	0.0	0.4+	970503	809	0.6+	0.2+				
601017	675	0.3+	1.0+	970503	809	(3.9+	1.2−)				

6585 P-L = 1997 JJ$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	245.71127			(2000.0)		**P**		**Q**			
n	0.18012820		ω	208.44276		+0.99805972		+0.05812506			
a	3.1051428		Ω	148.20117		−0.04601809		+0.93010969			
e	0.1332700		i	2.42788		−0.04194201		+0.36265335			
P	5.47		H	14.0	G	0.15		U	5		

Residuals in seconds of arc

600924	675	0.3−	0.2+	601024	675	0.1+	0.2−	970503	809	0.3−	1.5−
600926	675	0.6−	0.3−	601026	675	0.2+	0.2−	970504	809	0.8+	0.1+
600927	675	0.4+	0.5+	970411	704	0.5+	0.9−	970504	809	0.3−	0.5+
600928	675	0.5+	0.5+	970411	704	(0.9+	2.9−)	970504	809	1.6−	1.8+
601017	675	0.3+	0.0	970503	809	0.5+	0.1−				
601022	675	0.7−	0.7−	970503	809	0.4+	0.2−				

9534 P-L = 1978 GW$_3$ = 1997 GH$_6$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	356.14658			(2000.0)		**P**		**Q**			
n	0.26030235		ω	62.81701		−0.57068775		+0.82113348			
a	2.4293159		Ω	172.37185		−0.77184079		−0.53329386			
e	0.1314277		i	3.21156		−0.28031642		−0.20331616			
P	3.79		H	14.5	G	0.15		U	4		

Residuals in seconds of arc

600924	675	0.2−	0.6+	970402	704	0.3−	1.1+	970501	910	0.0	0.7−
601017	675	0.8−	1.2+	970406	704	0.2−	0.8+	970501	910	0.0	0.7−

601022	675	1.2−	0.7−	970406	704	0.4−	0.3+	970501	910	0.0	0.5−
601024	675	1.3+	0.5+	970407	704	0.1+	0.2−	970502	910	0.1+	0.3−
601026	675	0.6+	0.8−	970407	704	0.2+	0.8+	970502	910	0.2+	0.3−
780411	095	0.0	0.0	970408	704	0.3−	0.2+	970503	910	0.1+	0.4−
970402	704	0.8+	0.6+	970408	704	0.1−	0.1+				

4033 T-1 = 1997 GU$_{21}$

Id. G. V. Williams, E. Bowell (1994 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	301.59856		(2000.0)		**P**		**Q**
n	0.26820910	ω	129.07569		+0.52875758		+0.84869331
a	2.3813343	Ω	172.81750		−0.80461991		+0.50556380
e	0.1359487	i	5.33388		−0.27018922		+0.15532197
P	3.67	H	15.0	G	0.15	U	4

Residuals in seconds of arc

710324	675	0.5+	1.1−	710402	675	0.8+	0.1−	940930	675	0.8+	1.3−
710326	675	1.5−	0.5+	710416	675	1.1+	1.2−	940930	675	0.3+	2.2−
710326	675	0.4−	1.7−	710416	675	0.3−	0.3+	970406	704	0.0	0.3−
710326	675	1.1−	1.4−	710513	675	0.0	0.8+	970406	704	0.3+	1.0−
710327	675	0.2−	1.0−	710514	675	0.0	0.7+	970408	704	0.2−	0.4+
710327	675	1.3−	0.8−	710516	675	1.1+	1.2+	970408	704	0.0	1.4+

4062 T-1 = 1996 TZ$_{63}$

Id. G. V. Williams, E. Bowell (1988 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	293.87845		(2000.0)		**P**		**Q**
n	0.17376193	ω	297.67040		−0.35064222		−0.93621080
a	3.1805309	Ω	172.73534		+0.91157263		−0.34698565
e	0.0134960	i	10.77966		+0.21467502		−0.05576996
P	5.67	H	13.0	G	0.15	U	4

Residuals in seconds of arc

710324	675	0.4+	0.9−	710416	675	0.1+	1.6−	961006	809	0.1+	0.3+
710326	675	0.0	1.2−	710513	675	0.1−	1.1+	961006	809	0.2−	0.3−
710326	675	1.1−	0.8−	710514	675	1.2−	0.5−	961006	809	0.4−	0.2+
710327	675	2.0−	0.0	710516	675	0.4+	1.2+	961007	809	0.2+	0.1+
710402	675	0.9+	0.2+	880318	675	1.2+	0.8+	961007	809	0.1+	0.1−
710416	675	1.9+	0.1+	880318	675	0.4−	2.4+	961007	809	0.1+	0.3+

4178 T-1 = 1997 JB$_{12}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	12.99771		(2000.0)		**P**		**Q**
n	0.26727573	ω	157.41644		−0.79963606		+0.59849020
a	2.3868751	Ω	59.43724		−0.55924650		−0.71258684
e	0.1636714	i	3.25585		−0.21869046		−0.36610036
P	3.69	H	15.5	G	0.15	U	4

Residuals in seconds of arc

710324	675	1.0+	0.2+	710416	675	0.8−	0.9−	970411	704	0.3−	0.4+
710326	675	0.5+	0.8+	710513	675	0.4+	1.4+	970503	809	0.6+	0.0
710326	675	0.6+	0.8+	710513	675	1.3−	0.1−	970503	809	0.6+	0.7−
710327	675	0.6−	0.9−	710514	675	0.7+	0.3+	970503	809	0.9−	0.8−
710402	675	1.3−	1.7+	710514	675	0.3+	1.8−	970504	809	0.3+	1.0+
710416	675	(6.3+	2.6−)	710516	675	(1.3−	2.1−)	970504	809	0.7−	0.1+
710416	675	1.2+	1.4−	710516	675	1.2−	1.0−	970504	809	0.3+	1.7+
710416	675	(6.1+	1.7−)	970411	704	0.2+	0.9−				

4255 T-1 = 1979 ML$_8$ = 1997 GB$_{16}$

Id. G. V. Williams (*MPC* 19327), K. Ichikawa

Epoch 1997 June 1.0 TT = JDT 2450600.5 Ichikawa

M	2.57446		(2000.0)		**P**		**Q**
n	0.26572954	ω	48.95290		−0.84324539		+0.53729272
a	2.3961251	Ω	163.52665		−0.50849111		−0.78773380
e	0.1559315	i	3.22033		−0.17428140		−0.30131711
P	3.71	H	16.6	G	0.15	U	5

Residuals in seconds of arc

710324	675	1.0+	0.5+	710416	675	(5.4−	1.4−)	970405	704	0.1+	0.5+
710326	675	1.0−	1.0−	790624	413	1.5+	1.2+	970405	704	0.0	0.3+
710326	675	0.5−	0.3−	790625	413	0.3+	1.3−	970406	704	0.3−	0.4−
710327	675	1.7+	0.5−	790629	413	1.7−	0.0	970406	704	0.5−	0.1+
710402	675	1.4−	0.7+	970403	704	0.5+	0.2+	970407	704	1.0−	0.5−
710416	675	(3.0−	1.9−)	970403	704	1.0+	0.6+	970407	704	0.5+	0.1−

1102 T-2 = 1997 JE$_{13}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Marsden

M	322.37080		(2000.0)		**P**		**Q**
n	0.19482555	ω	76.63000		+0.09841064		+0.99510516
a	2.9469455	Ω	199.02462		−0.92338427		+0.08793703
e	0.0740274	i	1.58269		−0.37104828		+0.04508650
P	5.06	H	14.5	G	0.15	U	6

Residuals in seconds of arc

730919	675	0.7+	0.0	730929	675	(1.0+	2.4−)	970503	809	1.1−	1.2+
730919	675	1.0+	0.1−	730930	675	1.1−	1.1−	970503	809	0.5−	0.7−
730920	675	0.2+	0.6+	730930	675	0.6+	0.9−	970504	809	1.8+	1.4−
730924	675	0.6−	0.9−	731004	675	(3.9+	3.8−)	970504	809	0.4+	1.9−
730924	675	1.9−	0.1−	731004	675	(3.6+	2.2−)	970504	809	0.9+	0.6+
730925	675	0.5+	1.3+	731005	675	1.5+	0.3+	970504	566	0.5−	0.4+
730925	675	1.4−	0.2+	731005	675	0.4+	1.0+	970504	566	0.0	0.3+
730929	675	0.0	0.2−	970503	809	0.0	1.1+	970504	566	0.9−	0.3+

1196 T-2 = 1997 GA$_{33}$

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

M	338.99957		(2000.0)		**P**		**Q**
n	0.23533239	ω	241.33179		−0.44557775		+0.89523663
a	2.5982538	Ω	2.21652		−0.78718021		−0.38995894
e	0.1487908	i	5.10559		−0.42638924		−0.21560009
P	4.19	H	15.0	G	0.15	U	5

Residuals in seconds of arc

730919	675	0.1−	1.1−	730930	675	0.5+	0.7+	970312	809	(3.1−	2.7−)
730919	675	0.4−	0.3−	730930	675	0.2−	0.8+	970313	809	0.8+	0.5+
730920	675	0.0	0.6+	731004	675	0.7−	0.2+	970313	809	0.9+	0.5+
730924	675	0.4+	1.7−	731004	675	1.4−	0.1−	970313	809	0.8−	0.8+
730924	675	1.0+	0.2−	731005	675	1.9+	0.8+	970403	704	1.3−	1.4−
730925	675	1.6−	0.3−	731005	675	0.2+	0.3+	970403	704	0.2+	1.1−
730929	675	0.1+	0.9+	970312	809	(2.7−	1.8−)	970411	704	0.2+	0.9+
730929	675	0.2−	0.5+	970312	809	(2.9−	3.2−)	970411	704	0.4+	0.7+

2240 T-2 = 1997 GV$_{17}$

Id. G. V. Williams, E. Bowell (1991, 1993 observations)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	**Q**
M	20.69473		(2000.0)			
n	0.27335960	ω	174.15779		−0.98267333	+0.18202345
a	2.3513277	Ω	16.45525		−0.17465490	−0.84629828
e	0.0753807	i	7.08470		−0.06203871	−0.50064627
P	3.61	H	14.5	G	0.15	U 2

Residuals in seconds of arc

730919 675	0.6−	0.6−	731005 675	0.6+	0.6−	970403 704	0.2−	0.1+		
730919 675	0.6+	1.9−	731005 675	0.7+	0.6−	970405 704	0.3+	0.7−		
730920 675	0.2+	1.6−	910917 675	0.3+	0.0	970405 704	(9.7+	3.9−)		
730924 675	0.0	0.5−	910917 675	0.6−	0.5+	970406 327	0.9−	0.7−		
730924 675	0.3+	0.4+	930128 675	0.9−	0.9−	970406 327	1.0−	0.7−		
730925 675	1.4+	1.9−	930128 675	0.1+	0.4−	970406 327	1.0−	0.6−		
730925 675	(2.4+	2.1−)	970312 809	(2.2+	1.4−)	970407 704	0.2+	0.0		
730929 675	1.2+	1.3−	970312 809	1.8+	1.5−	970407 704	0.2+	0.6−		
730929 675	1.6+	0.3−	970312 809	0.7+	1.7−	970407 566	1.0−	0.5−		
730930 675	1.1+	0.1+	970313 809	(0.4+	2.6−)	970407 566	1.3−	0.6−		
730930 675	0.3−	1.0−	970313 809	(1.6+	2.2−)	970407 566	1.8−	0.8+		
731004 675	0.3−	0.2−	970313 809	(0.9−	2.2−)					
731004 675	0.7−	0.1+	970403 704	0.2+	1.1−					

3424 T-3 = 2073 T-1 = 1997 GY$_{22}$

Id. G. V. Williams (*MPC* 19331, unpublished)

Epoch 1997 June 1.0 TT = JDT 2450600.5 Williams

					P	**Q**
M	262.77050		(2000.0)			
n	0.23096308	ω	176.39718		+0.85530280	+0.51779632
a	2.6309202	Ω	152.39345		−0.47636857	+0.79994463
e	0.0311682	i	2.29414		−0.20378936	+0.30327474
P	4.27	H	15.0	G	0.15	U 4

Residuals in seconds of arc

710324 675	0.4−	0.0	771017 675	0.0	0.3−	970430 704	0.3+	0.2−		
710325 675	0.2−	1.0+	771021 675	1.4−	0.0	970501 704	0.0	0.5−		
710325 675	0.2+	0.1+	771021 675	0.7−	1.0+	970501 704	0.7−	0.1−		
710326 675	0.2+	1.2−	771022 675	(3.9+	1.0−)	970501 704	0.5+	0.0		
710327 675	0.1+	0.3−	970406 704	0.8+	0.1−	970501 704	0.4+	0.3−		
771007 675	1.1+	0.1+	970406 704	1.1−	0.2−	970501 704	0.1+	0.1−		
771011 675	(2.9−	2.1+)	970408 704	0.4−	0.7+	970505 704	0.6−	0.3−		
771011 675	0.6−	1.3+	970408 704	0.5−	1.0+	970505 704	0.0	0.5−		
771012 675	1.9+	0.4−	970430 704	0.9+	0.1+	970505 704	0.4+	0.0		
771016 675	0.8−	1.1−	970430 704	0.1−	0.1+	970505 704	0.1+	0.3+		
771016 675	0.9+	0.4−	970430 704	0.8−	0.7+					
771017 675	0.4−	0.5−	970430 704	0.4+	0.6−					

Object	H	Epoch	M	ω	Ω	i	e	a	Obs.	Opp.	& Arc	rms	Perts	U	Computer	*MPC*	Object
1952 QW	14.5	970601	293.41321	266.94299	111.31076	6.06107	0.3024164	2.2949117	37	6	1952–1996	0.70	M-v	2	Marsden	27323	1952 QW
1953 TA$_1$	14.5	970601	221.06137	148.11160	214.86735	5.09070	0.2293139	2.2897319	24	3	1953–1997	0.95	M-v	4	Williams	29651	1953 TA$_1$
1955 UN$_1$	13.5	970601	217.44763	328.18089	21.04994	10.84245	0.2625160	2.3520919	31	4	1955–1996	0.55	M-v	1	Williams	29651	1955 UN$_1$
1969 TM$_1$	14.0	970601	182.75859	357.93383	40.40645	7.42110	0.1340820	2.3762703	15	5	1954–1997	0.74	M-v	2	Williams	29652	1969 TM$_1$
1969 TT$_1$	13.5	970601	141.67249	355.56234	26.53737	2.37116	0.1829248	2.4093810	24	5	1969–1997	0.84	M-v	2	Williams	29652	1969 TT$_1$
1971 UD$_1$	15.0	970601	293.78657	277.88653	99.63510	1.57708	0.1293774	2.2129239	24	7	1971–1996	0.79	M-v	2	Williams	29652	1971 UD$_1$
1973 AW$_3$	12.0	970601	60.24287	83.23488	65.80017	7.71437	0.0688317	2.7795902	16	7	1973–1997	0.96	M-v	2	Williams	29652	1973 AW$_3$
1973 SP$_1$	10.5	970601	261.54229	310.21120	156.07080	4.14904	0.0573904	5.2225959	29	3	1973–1996	0.63	M-v	5	Williams	29607	1973 SP$_1$
1975 SA$_1$	12.5	970601	186.33647	225.17304	26.24730	10.41555	0.0576031	2.9915912	22	9	1952–1996	0.88	M-v	1	Williams	28083	1975 SA$_1$
1975 UE	13.5	970601	305.04975	142.60112	181.64596	2.26027	0.2069433	2.4238229	28	5	1975–1994	0.85	M-v	1	Williams	29652	1975 UE
1976 GD$_2$	13.5	970601	77.88235	22.71392	202.98459	8.36051	0.1381107	2.2487940	38	8	1953–1996	0.78	M-v	1	Williams	27930	1976 GD$_2$
1976 GG$_3$	12.5	970601	282.55913	237.85552	39.60418	14.36112	0.1572995	2.6334572	13	4	1973–1997	0.75	M-v	2	Williams	29607	1976 GG$_3$
1976 SS$_2$	14.0	970601	302.38969	321.96593	21.32639	3.40283	0.2122490	2.3328857	31	5	1976–1996	0.81	M-v	2	Williams	28610	1976 SS$_2$
1976 UG$_2$	14.5	970601	177.68737	23.71497	326.72336	2.21989	0.2001098	2.4370926	17	5	1953–1997	0.79	M-v	2	Williams	29131	1976 UG$_2$
1977 EL$_1$	14.5	970601	58.69859	132.63985	358.26360	4.75538	0.1623322	2.2329241	20	4	1977–1997	0.47	M-v	3	Williams	29607	1977 EL$_1$
1977 QF$_1$	12.5	970601	202.98082	344.90656	355.77385	13.36298	0.1780615	2.6629895	38	4	1977–1997	0.73	M-v	2	Williams	29131	1977 QF$_1$
1977 UM$_4$	13.5	970601	157.18975	314.46807	20.08655	2.57180	0.2215637	2.3817979	24	4	1977–1997	0.82	M-v	2	Williams	29652	1977 UM$_4$
1978 SE$_5$	13.5	970601	231.09307	145.11751	204.37985	8.97625	0.0599999	2.5550934	22	5	1978–1994	1.03	M-v	4	Williams	29652	1978 SE$_5$
1978 SP$_5$	13.0	970601	13.35552	195.45612	186.51925	3.94208	0.1087715	2.7736498	18	5	1978–1996	0.83	M-v	2	Williams	29652	1978 SP$_5$
1978 SD$_7$	14.0	970601	259.86319	97.39312	216.99509	3.72610	0.2010810	2.2280830	18	2	1978–1988	1.02	M-v	7	Williams	27725	1978 SD$_7$
1978 SB$_8$	14.5	970601	170.30256	354.17940	14.84635	5.35567	0.1778678	2.2682709	27	4	1977–1997	0.67	M-v	2	Williams	26187	1978 SB$_8$
1978 TO$_8$	13.0	970601	181.89576	163.93338	214.48238	0.87637	0.1979417	3.0605234	42	7	1978–1997	0.88	M-v	1	Williams	26557	1978 TO$_8$
1978 UP$_2$	13.5	970601	345.21052	272.85880	34.15413	9.09088	0.1471950	2.1860159	15	4	1978–1996	0.94	M-v	2	Williams	28610	1978 UP$_2$
1978 UN$_5$	14.5	970601	261.31922	301.53315	11.01696	5.16853	0.2564441	2.5377901	25	5	1954–1994	0.79	M-v	3	Williams	25438	1978 UN$_5$
1978 VT$_4$	14.0	970601	101.87107	68.84318	35.46308	1.53671	0.1360532	3.1203460	25	6	1978–1997	0.79	M-v	1	Williams	28882	1978 VT$_4$
1978 VE$_{10}$	14.0	970601	188.14487	266.96299	59.63093	1.82222	0.2117409	3.1560875	18	4	1978–1996	0.79	M-v	2	Williams	29653	1978 VE$_{10}$
1979 MZ$_6$	14.5	970601	289.93381	100.68285	249.05047	3.87512	0.2136880	2.3676937	37	4	1979–1996	0.82	M-v	2	Williams	28610	1979 MZ$_6$
1979 QW$_3$	15.0	970601	339.42871	61.95436	162.36227	0.91279	0.1540943	2.4277112	31	5	1979–1997	0.86	M-v	2	Williams	29653	1979 QW$_3$

1980 FS_1	15.0	970601	311.22777	68.19554	194.28478	4.09981	0.1449254	2.2609013	25	4	1980–1997	0.35	M-v	1	Marsden	29608	1980	FS_1
1980 FF_3	15.0	970601	322.98067	247.71398	351.28208	6.83361	0.1555878	2.6313426	22	5	1950–1997	0.66	M-v	2	Williams	25078	1980	FF_3
1980 GB	14.0	970601	6.11494	97.58073	103.46578	8.32709	0.1031499	2.2743188	18	4	1980–1991	0.91	M-v	2	Williams	29653	1980	GB
1981 EQ	13.0	970601	263.83068	226.52291	12.42600	10.77788	0.1508119	3.1892861	31	5	1954–1994	0.63	M-v	1	Williams	29653	1981	EQ
1981 ES_{12}	14.0	970601	85.14343	262.61854	203.27897	13.93043	0.1246247	3.0351650	29	3	1981–1997	0.75	M-v	4	Williams	29608	1981	ES_{12}
1981 EL_{13}	14.5	970601	215.33124	153.73917	201.87315	9.51361	0.1215551	3.0248312	18	3	1981–1997	0.92	M-v	4	Williams	29608	1981	EL_{13}
1981 EB_{17}	14.5	970601	15.85480	235.54037	339.14504	3.31145	0.0519191	2.4887631	29	5	1977–1994	0.88	M-v	3	Williams	24759	1981	EB_{17}
1981 EV_{18}	14.5	970601	323.01364	55.60465	206.83730	4.14614	0.0649168	3.0017342	36	6	1978–1997	0.79	M-v	1	Williams	24406	1981	EV_{18}
1981 EQ_{20}	15.5	970601	246.64947	123.10389	176.89007	2.46249	0.1203392	2.5433592	19	3	1981–1997	0.87	M-v	3	Williams	29609	1981	EQ_{20}
1981 EV_{22}	13.5	970601	318.96039	220.36279	168.69623	3.29639	0.2039948	2.7737218	16	4	1981–1994	0.64	M-v	2	Williams	29132	1981	EV_{22}
1981 EV_{28}	14.5	970601	266.96203	117.24398	210.82687	10.17170	0.1021570	2.9805378	13	3	1978–1997	0.88	M-v	4	Williams	22271	1981	EV_{28}
1981 EP_{30}	13.0	970601	127.19884	223.71554	174.41096	20.56452	0.0227836	3.1025536	13	4	1981–1995	0.86	M-v	2	Williams	28839	1981	EP_{30}
1981 EW_{30}	15.5	970601	238.79217	174.90219	171.18438	0.92455	0.1735452	2.1575162	22	3	1981–1997	0.80	M-v	5	Williams	29609	1981	EW_{30}
1981 EP_{42}	15.0	970601	45.12349	205.66837	191.14286	3.30620	0.1014933	2.6566733	15	4	1977–1996	0.85	M-v	2	Williams	21933	1981	EP_{42}
1981 JE_3	14.0	970601	236.89172	30.96230	202.33933	1.41489	0.1458807	2.6745277	21	4	1972–1995	0.79	M-v	2	Williams	29653	1981	JE_3
1981 QR_3	13.5	970601	296.24351	316.40342	354.59037	13.51850	0.1567684	2.5981428	65	4	1964–1994	0.63	M-v	2	Williams	28882	1981	QR_3
1981 UW_{21}	12.0	970601	130.28002	274.64787	125.19765	5.33531	0.0762989	2.7814250	17	6	1955–1996	0.85	M-v	2	Williams	28883	1981	UW_{21}
1981 US_{22}	14.5	970601	195.58136	288.45090	76.42345	6.53924	0.1536055	2.3002886	21	4	1981–1997	0.38	M-v	3	Williams	29654	1981	US_{22}
1981 VL	14.5	970601	148.79951	4.57006	24.36423	3.76284	0.1562335	2.3263576	24	4	1981–1997	0.86	M-v	3	Williams	29316	1981	VL
1982 QO	13.0	970601	243.09457	220.73329	160.92538	10.10854	0.1102345	3.0567568	16	4	1982–1996	0.72	M-v	3	Williams	27118	1982	QO
1982 UU_5	13.0	970601	264.65536	21.35410	270.75218	4.14453	0.1227944	2.5947759	36	6	1982–1997	0.84	M-v	2	Williams	26418	1982	UU_5
1982 UC_{11}	14.5	970601	250.27323	133.28539	244.00404	3.42068	0.2090327	2.5190283	14	5	1982–1997	0.81	M-v	4	Marsden	28612	1982	UC_{11}
1982 VD_5	15.0	970601	62.97844	209.73955	227.96245	3.19057	0.1520738	2.2804329	21	5	1977–1994	0.78	M-v	2	Williams	22075	1982	VD_5
1982 WE	13.0	970601	129.53120	32.74964	55.65570	13.79401	0.1659923	2.6226963	44	5	1982–1997	1.03	M-v	2	Marsden	28314	1982	WE
1983 CQ_2	12.5	970601	234.79553	277.60829	241.02230	0.04145	0.1070802	3.0553196	32	6	1951–1996	0.89	M-v	2	Williams	29609	1983	CQ_2
1983 RR_2	13.0	970601	305.93115	290.25649	9.93369	7.21241	0.1156768	2.3690958	28	8	1954–1997	0.62	M-v	1	Williams	29654	1983	RR_2
1983 TE_1	13.5	970601	179.15789	174.36624	210.21565	5.84507	0.1520831	2.4731108	62	7	1979–1997	0.78	M-v	2	Williams	29654	1983	TE_1
1983 TU_1	13.5	970601	262.14714	307.16573	49.28843	8.30275	0.1166434	2.3983743	18	6	1964–1994	0.87	M-v	2	Williams	29609	1983	TU_1
1983 WF_1	12.0	970601	170.82698	275.17414	96.33341	21.05547	0.3171060	3.1699666	21	4	1983–1997	0.74	M-v	2	Williams	22430	1983	WF_1
1984 BS	13.5	970601	109.11780	310.69063	110.44703	6.38426	0.1067954	2.1767014	22	4	1984–1997	0.65	M-v	3	Williams	29654	1984	BS
1984 HO_1	15.0	970601	20.21007	233.07587	22.99199	3.39910	0.1018874	2.1487203	22	4	1984–1991	0.72	M-v	2	Williams	29133	1984	HO_1
1984 SZ_5	14.5	970601	275.02138	273.83175	13.35201	8.22307	0.2393470	2.3037139	44	2	1984–1991	0.77	M-v	5	Williams	21969	1984	SZ_5
1984 SC_6	14.0	970601	185.52868	209.56187	96.46767	3.31669	0.2079524	2.4018691	41	3	1984–1994	0.81	M-v	3	Williams	23778	1984	SC_6
1984 UJ_1	15.0	970601	190.22835	350.92688	28.85290	6.25918	0.2409319	2.3439029	19	4	1984–1997	1.14	M-v	3	Williams	29610	1984	UJ_1
1984 WA_1	14.0	970601	233.68207	323.00529	54.77867	26.01917	0.2617443	2.2977897	43	4	1984–1997	0.84	M-v	2	Marsden	27119	1984	WA_1
1985 CV_1	13.0	970601	45.56090	109.51859	44.12737	1.92966	0.1332141	3.2095701	51	4	1985–1997	0.58	M-v	4	Williams	24406	1985	CV_1
1985 PS	14.5	970601	238.13633	223.27627	149.93225	7.52397	0.3611755	2.6563687	15	4	1955–1997	0.45	M-v	2	Williams	26899	1985	PS
1985 RR_3	12.5	970601	121.48704	144.88487	170.49058	10.93445	0.0923775	3.0018650	26	4	1985–1994	0.43	M-v	1	Williams	24385	1985	RR_3
1985 RA_4	13.5	970601	249.53818	305.32442	350.14796	7.26043	0.1003007	2.7481798	41	3	1985–1997	0.58	M-v	3	Williams	29133	1985	RA_4
1985 RV_4	13.5	970601	34.53996	333.54349	8.84728	0.31040	0.1928594	3.1881063	33	6	1962–1996	0.76	M-v	2	Williams	28315	1985	RV_4
1985 TB_3	14.5	970601	215.68533	188.36500	176.63752	3.87061	0.1503542	2.1965033	22	4	1972–1997	0.71	M-v	2	Williams	29655	1985	TB_3
1985 UC	13.5	970601	341.74754	294.73260	11.38146	16.60792	0.2348572	2.5776353	26	5	1985–1996	0.69	M-v	2	Williams	29655	1985	UC
1985 US	13.5	970601	183.40182	293.86577	125.19441	4.14401	0.0815937	2.7192150	19	4	1985–1996	0.71	M-v	2	Williams	29655	1985	US
1985 UG_2	14.5	970601	191.19852	252.51250	150.01710	1.91736	0.1173779	2.1978280	24	6	1954–1997	0.83	M-v	2	Marsden	29655	1985	UG_2
1986 QH_3	14.0	970601	203.39288	270.55093	124.40344	6.10570	0.0999607	2.5147019	35	4	1986–1996	0.33	M-v	1	Williams	26924	1986	QH_3
1986 TT_{11}	13.5	970601	246.47193	329.24379	4.85073	13.93553	0.1899747	2.5664740	15	3	1986–1994	0.86	M-v	3	Williams	29655	1986	TT_{11}
1986 UH_3	14.5	970601	211.28692	72.52853	313.20007	0.70445	0.2386709	2.5681432	46	5	1986–1997	0.82	M-v	2	Williams	26756	1986	UH_3
1986 XT	14.0	970601	233.18599	18.03728	355.16289	3.30656	0.2958414	2.5598366	49	6	1986–1997	0.77	M-v	2	Williams	27727	1986	XT
1987 DB_6	13.5	970601	126.94244	286.93235	152.56003	8.12439	0.2084561	2.7907033	56	5	1987–1997	0.62	M-v	1	Williams	26924	1987	DB_6
1987 DK_6	14.5	970601	358.29573	293.50567	326.22061	2.48322	0.1817188	2.1651520	47	3	1987–1991	0.62	M-v	4	Williams	22078	1987	DK_6
1987 DM_6	14.5	970601	25.70087	286.18905	192.33017	3.85077	0.1521134	2.2760823	57	6	1987–1997	0.70	M-v	1	Williams	29655	1987	DM_6
1987 DW_6	12.5	970601	276.03571	180.44968	22.23477	1.55749	0.1499841	3.1531848	48	7	1951–1994	0.49	M-v	1	Williams	27727	1987	DW_6

1987 RL_1	15.5	970601	295.04837	189.40498	131.11684	1.27302	0.2362357	2.3112650	34	2	1987–1997	0.52	M-v	5	Williams	29610	1987 RL_1
1987 SU	14.0	970601	8.03604	16.66735	349.98753	3.83306	0.1097061	2.1641076	22	6	1955–1996	1.09	M-v	2	Marsden	27932	1987 SU
1987 SJ_3	13.5	970601	179.06727	331.96450	15.12184	24.59602	0.0974711	1.9862208	28	5	1955–1994	0.64	M-v	2	Williams	28315	1987 SJ_3
1987 SH_4	13.5	970601	135.88905	313.69284	18.21017	13.88429	0.1950180	2.5991194	24	3	1987–1994	0.74	M-v	4	Williams	29655	1987 SH_4
1987 ST_{11}	13.5	970601	215.51225	355.75114	45.52665	5.79266	0.1318738	2.3603345	24	4	1969–1993	0.90	M-v	4	Williams	22272	1987 ST_{11}
1988 BY_3	14.0	970601	145.23004	297.63584	164.24571	6.98808	0.1118944	2.5148690	30	6	1978–1996	0.66	M-v	3	Williams	26924	1988 BY_3
1988 EB_1	14.0	970601	149.72326	129.07055	55.15965	3.08938	0.1385995	2.4319453	24	5	1954–1993	0.77	M-v	2	Williams	29656	1988 EB_1
1988 ER_1	13.5	970601	122.89931	239.42391	27.31506	7.15874	0.0946073	2.3494353	17	5	1975–1995	0.73	M-v	2	Williams	24912	1988 ER_1
1988 FB	13.0	970601	205.05061	89.45213	44.77487	2.61473	0.1518700	2.4020129	12	2	1977–1988	1.01	M-v	6	Williams	22079	1988 FB
1988 KA	13.5	970601	297.08233	222.57723	86.24390	3.80584	0.1900761	2.1394062	36	8	1982–1997	0.92	M-v	2	Williams	29656	1988 KA
1988 QY	10.5	970601	287.82938	92.92311	222.65199	29.77017	0.0679401	5.1173977	19	7	1954–1997	0.72	M-v	1	Williams	27933	1988 QY
1988 RD_1	12.0	970601	239.00127	41.70332	318.77318	9.73462	0.1082330	2.9955094	22	4	1980–1993	0.87	M-v	4	Williams	28841	1988 RD_1
1988 RO_2	13.5	970601	227.44985	55.13566	318.77137	9.79533	0.1199494	3.0139901	14	2	1988–1993	0.67	M-v	5	Williams	23991	1988 RO_2
1988 RZ_2	14.0	970601	67.09337	264.08233	12.69654	4.97746	0.2344855	2.6741313	19	4	1978–1995	0.73	M-v	1	Williams	29656	1988 RZ_2
1988 RC_7	13.0	970601	97.18124	206.74012	177.19194	10.90149	0.2214916	2.4091940	30	3	1979–1994	0.87	M-v	4	Williams	29610	1988 RC_7
1988 RV_{11}	15.5	970601	278.03747	97.12891	165.68551	2.93450	0.1533837	2.2469848	23	3	1988–1997	0.38	M-v	4	Williams	29656	1988 RV_{11}
1988 TA	21.0	970601	215.77581	104.56714	195.21782	2.53893	0.4787430	1.5411549	34	1	63 days	0.59	M-v	3	Williams	27727	1988 TA
1988 TG	14.0	970601	80.68664	197.18058	204.37120	25.10911	0.2759701	2.4457228	40	2	1988–1995	1.03	M-v	3	Williams	25648	1988 TG
1988 TN	13.0	970601	91.54875	18.29027	12.79277	5.29261	0.0602810	2.4312941	58	4	1988–1997	0.97	M-v	3	Williams	29656	1988 TN
1988 TB_1	14.0	970601	120.86866	144.63183	208.93794	4.96805	0.1494039	2.4316080	27	5	1954–1995	0.85	M-v	2	Williams	27727	1988 TB_1
1988 TL_1	14.0	970601	174.94822	176.00859	214.60245	4.86800	0.1398256	2.2811369	32	3	1988–1997	0.76	M-v	4	Williams	29656	1988 TL_1
1988 TM_1	14.0	970601	88.16372	193.57258	213.40726	1.79683	0.1874411	2.4209768	26	3	1982–1997	0.76	M-v	3	Williams	29316	1988 TM_1
1988 TR_2	13.0	970601	201.26749	38.78238	26.53664	15.60278	0.2719579	3.0416327	29	2	1988–1996	0.95	M-v	5	Williams	28296	1988 TR_2
1988 UA	14.0	970601	99.92639	92.58300	256.79029	1.08324	0.1878948	2.4750223	40	4	1971–1996	0.94	M-v	3	Williams	28884	1988 UA
1988 VS_1	14.0	970601	260.52640	246.09863	102.14195	3.23546	0.2046193	2.2078710	26	4	1988–1997	0.72	M-v	2	Williams	29656	1988 VS_1
1988 VY_2	11.0	970601	243.88037	280.50902	64.27685	12.41674	0.1017808	3.1611220	16	3	1988–1994	0.64	M-v	4	Williams	24387	1988 VY_2
1988 VN_3	14.5	970601	145.36007	214.85547	227.34497	4.86505	0.1291349	2.2855177	23	5	1988–1997	0.70	M-v	1	Williams	26419	1988 VN_3
1988 VS_6	12.0	970601	11.72238	211.68983	209.47717	4.90334	0.2383734	3.9508565	24	2	1988–1996	0.80	M-v	4	Williams	28884	1988 VS_6
1988 VN_7	15.0	970601	178.34333	327.65866	62.34533	8.18360	0.1702484	2.2955142	23	3	1981–1995	0.62	M-v	4	Williams	27454	1988 VN_7
1988 XB	17.5	970601	312.29072	279.91050	73.60605	3.12454	0.4817478	1.4674488	87	5	1988–1997	0.77	M-v	2	Marsden	26756	1988 XB
1989 AL_3	14.5	970601	189.60003	331.53772	127.16369	5.06695	0.0844122	2.2584976	27	4	1988–1996	0.82	M-v	2	Williams	29656	1989 AL_3
1989 AS_6	15.5	970601	80.93196	8.83132	122.72442	3.28089	0.1546333	2.4096302	23	5	1989–1997	0.89	M-v	2	Williams	29656	1989 AS_6
1989 BW_1	15.0	970601	136.54347	28.12349	101.52653	2.71185	0.1027478	2.3137384	43	4	1989–1996	0.61	M-v	2	Williams	27933	1989 BW_1
1989 CB_4	14.0	970601	119.48930	288.01174	166.48333	5.70645	0.1667734	2.3913568	28	5	1989–1997	0.67	M-v	2	Williams	29657	1989 CB_4
1989 CH_4	13.5	970601	32.39375	231.27111	328.41896	2.05455	0.1516241	2.4161776	44	3	1989–1994	0.79	M-v	5	Williams	24912	1989 CH_4
1989 CE_5	15.0	970601	9.92808	270.16569	309.06861	1.84058	0.1237696	2.4170233	24	3	1989–1997	0.61	M-v	4	Williams	24760	1989 CE_5
1989 CJ_8	13.0	970601	6.67409	65.31922	145.18982	8.66816	0.1924413	2.4669053	44	3	1989–1997	0.67	M-v	4	Williams	29657	1989 CJ_8
1989 EX	12.5	970601	357.92987	60.21060	135.76785	11.80973	0.1294091	2.5599168	15	3	1989–1997	0.93	M-v	4	Williams	29657	1989 EX
1989 EH_1	13.5	970601	305.73025	345.59364	166.78010	4.25279	0.0694502	2.7441676	24	5	1971–1991	0.83	M-v	2	Williams	28884	1989 EH_1
1989 GC_4	13.5	970601	181.90487	322.90969	273.99754	1.08501	0.0693573	2.9412628	32	7	1951–1996	0.68	M-v	3	Williams	29657	1989 GC_4
1989 SS_2	15.0	970601	204.10886	135.31585	145.22990	5.89719	0.1122153	2.2066481	26	4	1988–1997	1.09	M-v	2	Williams	29316	1989 SS_2
1989 SM_4	14.0	970601	174.71350	248.73888	109.13135	2.51667	0.1311509	3.0472449	21	3	1989–1994	0.83	M-v	4	Williams	24562	1989 SM_4
1989 TA_3	13.5	970601	266.96504	90.02489	147.67683	5.82007	0.1238629	3.1383956	32	4	1976–1994	0.97	M-v	2	Williams	24912	1989 TA_3
1989 TC_3	13.5	970601	89.34337	301.82776	169.07031	7.80262	0.1960449	3.0427274	36	3	1989–1997	0.74	M-v	3	Williams	24761	1989 TC_3
1989 VA	17.5	970601	230.32750	2.78583	225.65657	28.78412	0.5947344	0.7286610	81	4	1989–1996	0.70	M-v	4	Marsden	29657	1989 VA
1989 YF_1	14.0	970601	297.78271	197.89113	284.92204	8.95924	0.0837272	2.5315864	12	3	1988–1994	0.92	M-v	4	Williams	23337	1989 YF_1
1989 YA_4	14.5	970601	31.28364	252.48417	260.46002	0.32965	0.1401022	2.2752084	44	3	1989–1997	0.59	M-v	3	Williams	29611	1989 YA_4
1989 YG_5	12.0	970601	49.01618	87.32231	88.70666	14.99417	0.1551218	3.1601189	39	4	1968–1996	0.58	M-v	2	Williams	26739	1989 YG_5
1989 YO_5	12.0	970601	8.69775	120.53799	93.90856	2.59893	0.1109142	3.1467433	34	10	1952–1997	0.91	M-v	1	Williams	29657	1989 YO_5
1990 AD	11.5	970601	163.56471	303.14079	100.99835	16.02891	0.2157899	3.1443423	25	3	1990–1997	0.67	M-v	4	Williams	29611	1990 AD
1990 BA	18.0	970601	71.41720	170.67440	311.97399	1.99657	0.3381012	1.7399408	39	2	1990–1997	0.69	M-v	2	Williams	29657	1990 BA
1990 DA_3	13.0	970601	262.29014	313.45380	117.15576	3.16213	0.0457217	2.8370851	25	5	1988–1995	0.67	M-v	1	Williams	25440	1990 DA_3

1990 EU_4	15.0	970601	30.87880	177.78749	337.99649	3.94961	0.0800337	2.3186681	26	3	1981–1997	0.71	M-v	4	Williams	29657	1990 EU_4
1990 FH	14.0	970601	14.55674	145.19799	50.71509	24.50319	0.2266862	2.3061877	27	3	1990–1997	0.75	M-v	3	Williams	26579	1990 FH
1990 HJ	14.0	970601	2.94065	110.76865	50.37657	3.90226	0.1465184	2.3929130	15	3	1968–1997	0.36	M-v	3	Williams	29298	1990 HJ
1990 KF	13.0	970601	176.48244	207.93386	143.09453	11.25125	0.2219236	2.5388837	34	3	1990–1997	0.65	M-v	3	Williams	29096	1990 KF
1990 KT	14.5	970601	318.38651	56.57086	203.66537	21.60651	0.1847083	2.3830780	20	4	1990–1997	0.88	M-v	2	Williams	26189	1990 KT
1990 MC	13.0	970601	129.82560	113.58096	194.22554	13.59967	0.3196946	2.8817368	21	4	1989–1995	0.57	M-v	2	Williams	26189	1990 MC
1990 OK_3	14.5	970601	287.24090	204.46365	127.85468	3.08722	0.2153767	2.4070628	18	3	1990–1997	0.73	M-v	3	Williams	24102	1990 OK_3
1990 QY	12.5	970601	148.12630	80.85838	197.79621	8.06720	0.2084125	3.0245976	35	6	1964–1996	0.68	M-v	1	Williams	29657	1990 QY
1990 QD_2	13.5	970601	329.26309	198.09260	118.37953	1.75178	0.2098208	2.3573911	40	5	1971–1996	0.81	M-v	1	Williams	29657	1990 QD_2
1990 RN_3	13.5	970601	358.24590	94.36033	180.20850	5.47779	0.2016572	2.3779539	17	2	1990–1993	0.86	M-v	5	Williams	22494	1990 RN_3
1990 RR_3	14.0	970601	294.84241	233.82822	36.31216	2.74086	0.1636387	2.5671824	21	4	1990–1997	0.65	M-v	2	Williams	29658	1990 RR_3
1990 RR_7	13.5	970601	295.35120	115.13326	164.21827	6.41282	0.1287907	2.5444818	17	3	1990–1994	0.62	M-v	4	Williams	28614	1990 RR_7
1990 SR_6	14.0	970601	220.39303	310.34816	69.57697	2.14371	0.1728866	2.5486268	26	6	1978–1997	0.88	M-v	2	Marsden	29658	1990 SR_6
1990 SG_{11}	14.5	970601	305.44523	94.58504	205.57734	2.43663	0.1924665	2.4490779	30	7	1986–1997	0.69	M-v	1	Williams	26579	1990 SG_{11}
1990 SV_{13}	14.0	970601	201.65902	20.29789	7.59325	4.43023	0.0599231	2.5380049	31	5	1978–1997	0.64	M-v	3	Williams	29658	1990 SV_{13}
1990 TE_1	14.5	970601	213.84632	343.20063	19.23465	13.54673	0.2989300	2.6415920	28	4	1971–1997	0.95	M-v	2	Williams	29658	1990 TE_1
1990 TR_1	14.0	970601	32.10793	126.21923	184.20645	6.33712	0.1336534	2.2878575	33	3	1990–1996	0.75	M-v	4	Williams	28614	1990 TR_1
1990 TO_3	13.5	970601	251.07499	55.95912	216.81577	1.24910	0.0289864	2.8416127	27	5	1990–1997	0.72	M-v	1	Williams	29658	1990 TO_3
1990 TE_8	13.0	970601	77.25853	92.58500	58.93637	3.03903	0.0761562	2.6768165	27	5	1990–1997	0.63	M-v	1	Williams	27567	1990 TE_8
1990 TX_8	14.5	970601	182.13734	0.84379	20.02558	3.32588	0.2455907	2.6863072	34	4	1990–1997	0.77	M-v	2	Williams	26757	1990 TX_8
1990 TF_{13}	12.5	970601	37.33765	59.94843	85.31338	10.09868	0.1036657	2.7822556	14	3	1990–1997	0.69	M-v	3	Marsden	26168	1990 TF_{13}
1990 UK	13.5	970601	202.00077	338.37398	50.76918	15.80581	0.1105802	2.6206848	21	2	1990–1997	0.54	M-v	4	Williams	29612	1990 UK
1990 UJ_1	13.5	970601	158.86952	197.06403	226.42656	13.06979	0.1617389	2.6772558	22	3	1990–1997	0.72	M-v	3	Williams	20149	1990 UJ_1
1990 UU_1	14.5	970601	247.83169	174.55812	192.42808	13.58943	0.1772418	2.5522584	23	3	1990–1997	0.60	M-v	3	Williams	29612	1990 UU_1
1990 UJ_2	13.5	970601	222.74563	224.22997	133.36259	4.79691	0.2193306	2.6500573	27	5	1981–1994	0.86	M-v	1	Williams	25649	1990 UJ_2
1990 UT_5	12.5	970601	267.23847	181.11637	111.09876	4.80686	0.0680088	2.7410718	32	5	1949–1997	0.77	M-v	1	Williams	29317	1990 UT_5
1990 UT_{10}	13.0	970601	80.79733	269.84945	139.97711	1.30301	0.1570698	2.9989748	31	5	1990–1997	0.81	M-v	1	Williams	29134	1990 UT_{10}
1990 VB	16.0	970601	266.59634	102.23249	254.61731	14.56676	0.5283254	2.4422061	70	2	1990–1995	0.56	M-v	2	Marsden	27454	1990 VB
1990 VL_1	14.0	970601	257.56309	111.75525	239.17700	8.44876	0.2167811	2.5563791	23	3	1990–1997	0.71	M-v	3	Williams	29134	1990 VL_1
1990 VZ_4	13.5	970601	237.62640	97.50233	188.39721	9.99283	0.0996796	2.9197865	19	3	1989–1993	0.79	M-v	4	Williams	29658	1990 VZ_4
1990 WZ	14.0	970601	125.34243	246.62562	190.63865	8.91642	0.0577726	2.7904582	18	2	1990–1997	0.49	M-v	5	Williams	29612	1990 WZ
1990 WA_5	13.0	970601	328.59707	137.36045	119.39161	6.35182	0.0123713	2.7383019	20	5	1985–1997	0.94	M-v	2	Williams	28614	1990 WA_5
1990 WC_9	12.5	970601	87.88908	339.37541	65.96637	12.32644	0.0611985	3.0433553	22	3	1990–1996	0.46	M-v	3	Williams	27711	1990 WC_9
1991 AD	12.5	970601	227.66926	125.60379	262.04159	7.65573	0.1755330	2.6969676	30	8	1982–1996	0.77	M-v	1	Williams	29658	1991 AD
1991 BH_1	13.0	970601	333.12961	101.94240	123.64640	0.57872	0.1269310	3.0683150	42	4	1991–1997	0.59	M-v	1	Williams	29613	1991 BH_1
1991 CS	17.5	970601	177.68516	249.42100	156.91815	37.12223	0.1645835	1.1227302	188	2	1991–1997	0.61	M-v	1	Williams	29658	1991 CS
1991 DK_1	13.0	970601	149.72966	179.62930	29.26897	6.64439	0.0383499	5.1958327	21	3	1991–1996	0.53	M-v	3	Williams	29613	1991 DK_1
1991 EA_4	13.5	970601	86.36343	120.63314	343.04693	0.60096	0.1542693	3.1076334	18	2	1991–1997	0.75	M-v	5	Williams	29613	1991 EA_4
1991 FO_1	13.0	970601	199.78509	68.69802	356.00444	1.53869	0.0634987	2.8599276	31	5	1979–1996	0.91	M-v	2	Williams	29135	1991 FO_1
1991 GB_3	13.5	970601	37.72757	160.05048	19.84865	0.80161	0.1187171	3.2149097	56	3	1991–1997	0.82	M-v	4	Williams	29658	1991 GB_3
1991 GE_9	13.5	970601	128.79958	324.07956	119.47479	2.14288	0.1731908	3.1462445	38	3	1988–1997	0.76	M-v	3	Williams	29659	1991 GE_9
1991 GM_9	13.0	970601	45.49766	43.80696	130.28161	2.09466	0.1283624	3.2043575	32	7	1949–1997	0.97	M-v	1	Marsden	29135	1991 GM_9
1991 GH_{10}	14.0	970601	354.87926	10.73477	51.75053	6.84004	0.1017810	2.4157492	20	4	1989–1996	0.57	M-v	3	Williams	29659	1991 GH_{10}
1991 NS_1	14.0	970601	202.13249	126.70010	173.14131	6.62780	0.1744308	2.4329505	32	3	1991–1995	0.74	M-v	3	Williams	29659	1991 NS_1
1991 PK	15.5	970601	249.67322	211.72807	153.90029	2.69330	0.1974576	2.2025305	18	4	1978–1995	0.62	M-v	2	Williams	26561	1991 PK
1991 PT_1	14.5	970601	308.73687	38.10978	191.40177	3.33576	0.1449824	2.3104028	30	5	1987–1997	0.82	M-v	2	Williams	29659	1991 PT_1
1991 PG_3	13.5	970601	101.69394	137.09582	91.46655	2.76982	0.1538536	3.0418399	18	3	1990–1995	0.78	M-v	4	Williams	28886	1991 PG_3
1991 PC_6	15.0	970601	141.97684	278.80639	125.86718	7.43837	0.1271787	2.3743739	24	5	1982–1997	0.78	M-v	1	Williams	25974	1991 PC_6
1991 PT_7	15.0	970601	236.91035	264.80146	10.96647	2.20078	0.1871840	2.3948615	26	5	1950–1994	0.89	M-v	2	Williams	29659	1991 PT_7
1991 PG_{11}	14.5	970601	250.59644	137.56046	179.36097	6.61288	0.2370494	2.3050133	15	3	1977–1997	0.79	M-v	4	Williams	29659	1991 PG_{11}
1991 PZ_{12}	14.0	970601	131.25668	80.80761	322.33912	5.57021	0.1307433	2.4322469	16	4	1984–1997	0.85	M-v	2	Williams	23790	1991 PZ_{12}
1991 PJ_{13}	15.5	970601	270.86056	344.75263	333.52778	2.65763	0.1536766	2.2394169	18	3	1991–1997	0.70	M-v	4	Williams	29613	1991 PJ_{13}

1991 PG_{15}	14.5	970601	178.73578	247.05263	102.59202	1.66830	0.2034655	2.4310869	20	4	1990–1997	0.69	M-v	4	Williams	29135	1991 PG_{15}
1991 PX_{17}	13.5	970601	274.49569	278.22725	0.37664	6.66296	0.1117767	2.3251430	23	4	1962–1997	0.82	M-v	3	Williams	29659	1991 PX_{17}
1991 RA	14.5	970601	143.78780	310.30886	356.88985	21.12541	0.0407685	1.8533330	22	2	1991–1996	0.56	M-v	4	Williams	28585	1991 RA
1991 RA_1	13.5	970601	134.28919	49.38265	323.52824	11.81651	0.2053299	2.5499849	29	5	1975–1997	0.66	M-v	3	Williams	29659	1991 RA_1
1991 RX_{10}	14.5	970601	199.71122	345.55342	1.40243	12.77504	0.1016706	2.4350754	26	6	1964–1997	0.57	M-v	2	Williams	27935	1991 RX_{10}
1991 RN_{13}	14.5	970601	295.84137	43.55560	273.84942	4.24790	0.1949718	2.2036755	20	3	1991–1997	0.83	M-v	5	Williams	26901	1991 RN_{13}
1991 RC_{22}	14.5	970601	287.04274	251.35127	43.49874	3.95381	0.1870617	2.2511354	17	5	1971–1997	0.64	M-v	2	Williams	29659	1991 RC_{22}
1991 RK_{26}	15.0	970601	276.05327	296.86106	20.96131	7.24469	0.1953079	2.2709908	15	2	1991–1997	0.46	M-v	6	Williams	29614	1991 RK_{26}
1991 TP_1	14.0	970601	300.13537	82.39386	234.28675	3.79269	0.2156789	2.2040952	38	4	1991–1997	0.76	M-v	3	Williams	29659	1991 TP_1
1991 TV_4	14.0	970601	314.78173	206.98584	126.23924	3.03608	0.1750984	2.1718995	26	3	1977–1994	0.80	M-v	3	Williams	24408	1991 TV_4
1991 TX_4	14.5	970601	186.57426	115.58725	358.16503	5.83541	0.1435102	2.2148715	20	3	1991–1996	1.02	M-v	5	Williams	26902	1991 TX_4
1991 UQ	13.5	970601	290.91648	284.42102	19.63718	3.25357	0.1444756	2.2921653	23	6	1950–1997	0.85	M-v	2	Williams	29659	1991 UQ
1991 UF_1	15.0	970601	185.93129	308.48251	93.44417	3.40539	0.2106380	2.3766797	16	3	1991–1997	0.81	M-v	4	Williams	23518	1991 UF_1
1991 UP_2	14.0	970601	262.27483	276.24682	79.25542	4.63619	0.1396663	2.2779004	23	3	1991–1994	0.62	M-v	3	Williams	29659	1991 UP_2
1991 UE_3	13.5	970601	324.22963	208.73816	76.63994	7.33006	0.1903927	2.2570080	18	4	1974–1997	0.71	M-v	3	Williams	19514	1991 UE_3
1991 VH	17.0	970601	250.54685	207.06887	139.48802	13.91671	0.1438605	1.1365315	157	2	1991–1997	0.56	M-v	2	Williams	29660	1991 VH
1991 VP_1	14.0	970601	201.42593	316.85534	123.16234	4.92102	0.1290246	2.2555251	25	5	1989–1996	0.84	M-v	1	Williams	29660	1991 VP_1
1991 VW_3	14.0	970601	327.07623	101.16967	239.30364	1.09907	0.1911336	2.1581298	29	5	1977–1994	1.10	M-v	2	Williams	24240	1991 VW_3
1991 VV_5	12.0	970601	118.29519	223.11914	90.30314	11.04159	0.0438776	3.0077934	26	5	1990–1997	0.66	M-v	1	Williams	29135	1991 VV_5
1991 VO_7	16.0	970601	38.85465	352.25266	131.59046	2.06284	0.1052942	2.6337041	24	4	1991–1997	0.43	M-v	1	Williams	29660	1991 VO_7
1991 XU	12.5	970601	43.01456	251.45768	288.64308	11.92547	0.1138377	2.5990695	62	3	1991–1997	0.73	M-v	2	Williams	26926	1991 XU
1992 AN	13.0	970601	257.22636	241.07214	117.10601	23.47626	0.2793729	2.3410092	16	4	1989–1997	0.73	M-v	2	Williams	27712	1992 AN
1992 AH_1	13.5	970601	55.95816	159.95987	339.62552	9.60024	0.2447091	2.7291005	24	4	1983–1997	0.83	M-v	1	Williams	26580	1992 AH_1
1992 BJ_1	14.0	970601	109.37261	1.41595	78.28177	3.95073	0.2466368	2.6820843	25	4	1982–1996	0.80	M-v	2	Williams	26758	1992 BJ_1
1992 BF_4	14.0	970601	41.69310	76.29131	39.24381	2.35818	0.0287480	2.8680277	30	4	1978–1997	0.55	M-v	2	Williams	29660	1992 BF_4
1992 CC_1	15.5	970601	191.09832	21.89209	349.30754	36.89493	0.3750184	1.3915020	139	4	1992–1997	0.59	M-v	2	Williams	29660	1992 CC_1
1992 CP_2	13.5	970601	269.11026	69.21804	197.87112	5.86897	0.0101778	2.7861052	24	3	1992–1995	0.69	M-v	4	Williams	29660	1992 CP_2
1992 CD_3	14.0	970601	246.43509	184.32286	154.18128	10.25556	0.1028560	2.5615018	24	2	1992–1994	0.69	M-v	4	Williams	23978	1992 CD_3
1992 DE_4	14.5	970601	201.98116	225.73257	141.52521	1.69812	0.1877529	2.7326965	32	7	1976–1997	0.76	M-v	2	Williams	29660	1992 DE_4
1992 DN_7	13.0	970601	258.85182	217.99050	127.01155	3.30469	0.0904396	2.6438764	20	4	1990–1997	0.42	M-v	1	Williams	27935	1992 DN_7
1992 EO_6	14.5	970601	161.73951	2.71267	52.48904	5.42782	0.1961683	2.6506244	13	3	1990–1997	0.35	M-v	3	Williams	23783	1992 EO_6
1992 ER_6	12.5	970601	242.03064	210.57294	58.22928	5.83079	0.1109822	3.1592038	22	3	1992–1995	0.50	M-v	3	Williams	29660	1992 ER_6
1992 EA_7	14.0	970601	52.61683	249.77103	31.38661	6.90327	0.1617228	2.3796591	11	5	1952–1996	0.66	M-v	2	Williams	29616	1992 EA_7
1992 EE_7	13.0	970601	235.39057	161.18040	130.66893	12.15039	0.0912336	3.0450552	24	3	1992–1997	0.55	M-v	3	Williams	29660	1992 EE_7
1992 EZ_7	14.0	970601	143.96894	274.65583	163.13009	12.34357	0.1998771	2.6187114	14	3	1988–1992	0.57	M-v	2	Williams	25650	1992 EZ_7
1992 ER_9	12.5	970601	211.27022	153.91071	141.27369	0.96854	0.1415424	3.1473678	32	4	1992–1997	0.74	M-v	2	Williams	29135	1992 ER_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	Williams	27729	1992 EZ_9
1992 GA_4	13.0	970601	293.93559	88.01079	158.06548	1.41926	0.0987023	3.2085278	50	4	1991–1997	0.43	M-v	1	Marsden	29660	1992 GA_4
1992 PG_2	14.0	970601	28.72372	112.69750	193.37338	8.04412	0.2863229	2.7428220	20	3	1988–1996	0.78	M-v	4	Williams	28887	1992 PG_2
1992 PY_2	11.5	970601	325.24995	132.85179	287.63839	14.37849	0.1050770	2.6265864	27	4	1988–1996	0.84	M-v	3	Williams	28887	1992 PY_2
1992 UN_2	14.5	970601	82.15853	358.94810	50.31442	3.03805	0.1981567	2.3873313	23	3	1988–1996	0.83	M-v	4	Williams	29661	1992 UN_2
1992 UJ_5	15.0	970601	113.65589	190.15005	234.92330	0.52257	0.1998188	2.2510765	19	3	1992–1997	0.58	M-v	4	Williams	29616	1992 UJ_5
1992 UJ_6	14.5	970601	127.92153	185.30426	205.55451	6.55584	0.1970710	2.2849744	20	3	1985–1997	0.83	M-v	4	Williams	29317	1992 UJ_6
1992 VR	14.5	970601	70.66347	218.59262	179.61943	1.74631	0.1603176	2.4667898	30	3	1988–1996	0.75	M-v	4	Williams	29661	1992 VR
1992 WH	13.5	970601	180.38366	76.18402	234.39534	5.20154	0.1270165	2.3546017	14	3	1981–1992	0.59	M-v	4	Williams	29661	1992 WH
1992 WL	12.0	970601	242.81924	79.10902	46.63550	10.77973	0.0412367	3.0215728	21	4	1954–1994	0.83	M-v	1	Williams	29661	1992 WL
1992 WS_3	14.0	970601	60.94384	144.44188	317.15977	2.18675	0.1925343	2.3653594	13	3	1990–1997	0.63	M-v	4	Williams	29101	1992 WS_3
1992 WH_8	14.5	970601	221.75476	329.02365	2.38095	1.00562	0.1103718	2.1632543	35	6	1976–1997	0.91	M-v	2	Williams	29661	1992 WH_8
1992 YB	14.0	970601	130.32715	257.70766	143.45591	6.38685	0.1057902	2.3398786	33	3	1988–1997	0.62	M-v	3	Williams	29661	1992 YB
1992 YG_3	12.0	970601	264.91561	16.87011	124.27022	1.77945	0.1512087	3.1416479	44	5	1982–1996	0.86	M-v	1	Williams	28317	1992 YG_3
1993 BF	13.0	970601	211.30045	39.74592	309.69643	9.49933	0.1572498	2.2581068	43	5	1981–1997	0.54	M-v	2	Williams	29317	1993 BF
1993 BO_3	14.0	970601	143.97866	355.34042	84.74820	4.59489	0.1438962	2.2730456	33	3	1993–1997	0.76	M-v	3	Marsden	28887	1993 BO_3

1993 BH_8	13.5	970601	320.06818	107.30931	120.63475	8.14166	0.1246652	2.4354587	29	3	1991–1997	0.53	M-v	3	Williams	29661	1993 BH_8
1993 DB_1	14.0	970601	47.10398	108.63140	96.35914	0.22385	0.1490808	2.3289420	20	4	1982–1994	0.83	M-v	2	Williams	24583	1993 DB_1
1993 EP	13.0	970601	15.93082	178.88570	345.24212	12.82269	0.1255988	2.5892064	32	3	1993–1997	0.58	M-v	3	Williams	29661	1993 EP
1993 FN	15.0	970601	55.83364	118.13904	6.53030	10.72908	0.2158526	2.5322262	34	4	1991–1997	0.65	M-v	3	Williams	29662	1993 FN
1993 FN_1	13.0	970601	272.32426	142.32823	147.39587	8.86105	0.1895036	2.6040112	28	5	1952–1994	0.68	M-v	2	Williams	29662	1993 FN_1
1993 FO_1	12.5	970601	229.60811	308.06605	49.58160	7.87744	0.1328744	2.4002919	22	5	1986–1997	0.84	M-v	2	Williams	29662	1993 FO_1
1993 FR_3	13.5	970601	321.76274	73.45270	209.04057	5.72597	0.1202540	2.4207256	25	7	1949–1997	0.67	M-v	1	Marsden	26580	1993 FR_3
1993 FL_6	14.5	970601	59.72918	152.93944	97.93386	2.03380	0.0517380	2.1393370	35	4	1988–1996	0.76	M-v	2	Williams	28616	1993 FL_6
1993 FU_7	15.0	970601	291.51402	223.84737	98.78962	3.36701	0.2299488	2.3782090	24	4	1993–1997	0.59	M-v	2	Williams	29662	1993 FU_7
1993 FM_{10}	15.0	970601	351.18041	171.96035	75.25408	2.50775	0.1381994	2.4252515	21	3	1960–1997	0.77	M-v	4	Marsden	23522	1993 FM_{10}
1993 FN_{16}	13.0	970601	229.28892	166.03527	130.77932	5.07567	0.0696791	2.7691764	21	3	1991–1997	0.73	M-v	4	Williams	29662	1993 FN_{16}
1993 FE_{23}	13.5	970601	284.38768	354.69243	1.95876	8.75598	0.1710477	2.2645001	15	7	1977–1996	0.65	M-v	2	Williams	28887	1993 FE_{23}
1993 FV_{24}	15.5	970601	340.72786	350.08058	269.47205	1.42913	0.1725405	2.4479692	26	3	1993–1997	0.55	M-v	3	Williams	29617	1993 FV_{24}
1993 FZ_{24}	13.5	970601	171.46403	5.68407	340.83053	3.85532	0.0819420	2.7908920	13	3	1993–1997	0.47	M-v	4	Williams	29617	1993 FZ_{24}
1993 FF_{26}	15.0	970601	218.30956	74.33248	342.11440	4.32016	0.1322924	2.2091175	14	4	1988–1995	0.84	M-v	2	Williams	29662	1993 FF_{26}
1993 FV_{31}	14.0	970601	84.83197	32.23966	107.23509	3.31702	0.0413428	2.4328133	37	3	1993–1997	0.74	M-v	2	Marsden	29662	1993 FV_{31}
1993 FW_{36}	13.0	970601	83.42625	269.31271	168.51147	4.94926	0.0315716	2.7283064	16	3	1993–1997	0.33	M-v	3	Williams	29617	1993 FW_{36}
1993 FH_{38}	14.0	970601	272.82075	182.33985	147.61490	3.09233	0.1898713	2.4166345	24	5	1979–1996	0.63	M-v	2	Williams	26759	1993 FH_{38}
1993 FO_{40}	14.5	970601	279.80851	318.31666	60.47063	1.99169	0.0813023	2.1662491	13	4	1988–1996	0.57	M-v	2	Williams	27121	1993 FO_{40}
1993 FY_{41}	15.0	970601	130.19140	68.06595	15.55037	1.90545	0.1201853	2.4215032	15	3	1993–1997	0.72	M-v	5	Williams	26401	1993 FY_{41}
1993 FX_{79}	13.5	970601	276.46615	122.45210	195.55222	1.81747	0.1296324	2.4497100	29	2	1993–1994	0.66	M-v	4	Williams	24762	1993 FX_{79}
1993 GL	12.0	970601	261.92233	205.72779	48.88544	2.74960	0.0288247	2.8673016	19	3	1985–1997	0.73	M-v	5	Williams	29662	1993 GL
1993 GO	13.5	970601	18.25296	143.43657	57.98091	13.54761	0.1844052	2.5381716	47	5	1985–1997	0.69	M-v	3	Williams	29662	1993 GO
1993 GR	13.0	970601	312.69945	171.38976	39.86150	4.29150	0.1252852	2.8098390	23	5	1976–1993	0.93	M-v	2	Williams	22432	1993 GR
1993 HS	14.0	970601	55.18385	245.63211	20.74353	2.75174	0.1222487	2.1814674	30	4	1991–1996	0.72	M-v	2	Williams	28616	1993 HS
1993 HG_1	14.5	970601	86.30269	73.86962	164.45503	3.13441	0.0838202	2.1490718	18	2	1993–1996	0.61	M-v	5	Williams	27326	1993 HG_1
1993 HH_1	14.0	970601	57.39835	294.55403	292.65578	0.76174	0.1649850	2.2915721	22	2	1993–1996	0.61	M-v	4	Williams	29662	1993 HH_1
1993 HA_6	14.0	970601	347.82609	180.83139	43.18166	6.29487	0.1564526	2.5488358	20	3	1989–1994	0.91	M-v	4	Williams	29617	1993 HA_6
1993 JL	12.0	970601	336.89191	165.96073	78.48631	14.97214	0.1325369	2.5929387	30	5	1968–1997	0.72	M-v	2	Williams	29662	1993 JL
1993 JF_1	14.0	970601	161.97605	48.47069	51.24576	3.24792	0.1584411	2.4130674	26	4	1987–1996	0.69	M-v	2	Williams	27121	1993 JF_1
1993 LU_1	13.5	970601	271.36965	108.61471	230.42449	11.50667	0.2024244	2.6735502	32	3	1993–1997	0.48	M-v	2	Williams	24568	1993 LU_1
1993 MG_1	13.5	970601	319.20942	15.59025	277.77917	14.65142	0.3842414	2.6858616	33	4	1989–1997	0.67	M-v	2	Williams	27714	1993 MG_1
1993 OR_8	14.0	970601	173.28764	270.43278	137.45396	2.87435	0.2400893	3.0663562	24	3	1993–1997	0.77	M-v	4	Williams	24568	1993 OR_8
1993 OM_{10}	14.0	970601	191.35449	212.49268	155.23936	1.57148	0.1916930	3.2017500	16	3	1988–1995	0.63	M-v	4	Williams	27730	1993 OM_{10}
1993 OB_{13}	14.0	970601	279.87658	112.42717	174.95681	2.16625	0.0912172	2.9447889	30	4	1992–1997	0.64	M-v	1	Williams	29662	1993 OB_{13}
1993 PE	15.0	970601	353.69510	76.74756	267.09463	3.92609	0.0995125	2.3816342	69	6	1951–1996	0.60	M-v	1	Marsden	27730	1993 PE
1993 PC_5	13.0	970601	257.29705	162.49879	168.63807	10.43560	0.1238934	3.0398465	25	4	1988–1997	0.67	M-v	2	Marsden	28616	1993 PC_5
1993 PB_7	12.5	970601	318.27355	73.85615	172.67793	0.49370	0.1331090	3.1548438	24	4	1988–1997	0.73	M-v	1	Williams	29137	1993 PB_7
1993 QY_9	15.5	970601	78.99175	156.08990	139.71086	5.08335	0.1444139	2.2435465	18	2	1993–1995	0.62	M-v	4	Williams	29618	1993 QY_9
1993 RR_2	15.5	970601	320.96769	161.97045	155.02817	11.38329	0.4903263	2.6577145	39	3	1993–1997	0.63	M-v	3	Williams	26904	1993 RR_2
1993 TG	12.0	970601	43.25210	24.91100	198.72515	9.46439	0.1697562	3.0550373	24	6	1943–1996	0.64	M-v	1	Williams	27311	1993 TG
1993 UB_1	12.5	970601	27.62355	356.08785	8.52919	23.23956	0.1549580	2.3241330	22	5	1954–1995	0.57	M-v	3	Williams	25228	1993 UB_1
1993 UC_1	12.0	970601	13.03427	79.63517	261.51013	12.40743	0.1756795	2.4590511	17	6	1955–1993	0.96	M-v	2	Williams	24119	1993 UC_1
1993 UE_1	13.5	970601	251.76843	311.46712	47.73571	14.57904	0.1834786	3.1625902	30	3	1993–1997	0.71	M-v	3	Williams	25083	1993 UE_1
1993 WE	13.0	970601	208.74348	210.96120	290.47535	1.56659	0.1210097	2.7598765	30	4	1988–1995	0.73	M-v	1	Williams	27730	1993 WE
1994 AO_2	13.5	970601	331.09863	112.33547	307.69100	11.28626	0.1678127	2.6164786	25	4	1988–1996	0.61	M-v	3	Williams	27568	1994 AO_2
1994 EB	14.0	970601	337.08093	321.05892	172.56471	6.56849	0.0789160	2.4690930	20	3	1990–1994	0.75	M-v	4	Williams	29618	1994 EB
1994 EO_2	14.0	970601	37.64477	77.31738	4.49765	23.08897	0.2846347	2.2962885	35	5	1975–1997	0.87	M-v	3	Williams	29663	1994 EO_2
1994 EH_7	13.5	970601	168.74833	275.06886	10.66220	12.83119	0.1654758	2.6407537	16	3	1990–1994	0.66	M-v	3	Williams	29663	1994 EH_7
1994 FP	15.0	970601	1.84578	90.83792	6.21403	22.58027	0.2882550	2.4003467	28	2	1994–1996	0.79	M-v	4	Williams	29663	1994 FP
1994 GD_9	14.5	970601	334.04290	303.08431	198.55811	22.58135	0.3173307	2.4460959	21	5	1988–1996	0.70	M-v	2	Williams	29137	1994 GD_9
1994 GF_9	14.0	970601	279.82279	198.68662	25.59631	2.62273	0.1524160	2.3965222	27	7	1955–1994	0.81	M-v	2	Williams	29663	1994 GF_9

1994 HB	17.0	970601	265.76082	128.06602	189.28921	1.97544	0.2125621	2.1601487	24	2	1994–1997	0.32	M-v	5	Williams	29619	1994 HB
1994 JT	15.5	970601	68.15001	306.55807	169.13121	7.32245	0.0522727	2.2800572	33	3	1994–1997	0.36	M-v	2	Williams	29663	1994 JT
1994 LW	17.0	970601	181.55740	54.46368	241.13200	23.00524	0.6195576	3.1637616	174	1	148 days	0.68	M-v	4	Marsden	25651	1994 LW
1994 LX	15.0	970601	220.80590	349.06652	111.34162	36.90524	0.3463591	1.2615941	136	3	1977–1995	0.63	M-v	2	Marsden	28617	1994 LX
1994 LC_1	16.5	970601	210.36889	316.16427	15.71903	12.37082	0.5250779	2.8179424	84	1	162 days	0.50	M-v	3	Marsden	25539	1994 LC_1
1994 NC	13.0	970601	153.76720	236.74754	165.97805	11.97449	0.1778115	2.6877793	48	5	1981–1997	0.58	M-v	1	Williams	29663	1994 NC
1994 NS	14.5	970601	325.74777	79.04566	203.81261	6.48062	0.2396426	2.1669320	20	3	1988–1994	0.85	M-v	4	Williams	27730	1994 NS
1994 PV	13.0	970601	188.90896	182.17269	148.58507	6.19504	0.1502257	3.1361793	23	2	1994–1997	0.51	M-v	4	Williams	29620	1994 PV
1994 PX	13.5	970601	210.08456	192.58307	155.79866	13.17423	0.1495409	2.7893183	26	3	1989–1994	0.53	M-v	3	Williams	25651	1994 PX
1994 PC_7	13.5	970601	351.69458	43.39609	146.91141	9.78628	0.0875686	2.7825965	23	2	1994–1997	0.69	M-v	4	Williams	29105	1994 PC_7
1994 PJ_{10}	14.0	970601	184.29680	92.89836	285.90182	1.47140	0.0920494	2.7274645	19	3	1990–1997	0.71	M-v	5	Williams	24748	1994 PJ_{10}
1994 PT_{14}	13.5	970601	359.66830	39.91693	165.66100	4.38266	0.1015567	2.6051660	17	3	1991–1994	0.67	M-v	4	Williams	25219	1994 PT_{14}
1994 PS_{16}	16.5	970601	268.28214	209.84445	162.47599	6.18310	0.1936307	2.2656489	17	2	1977–1994	0.82	M-v	5	Williams	24749	1994 PS_{16}
1994 PW_{17}	14.0	970601	201.63432	174.85099	136.72852	0.79739	0.1822353	3.0921902	18	2	1992–1994	0.87	M-v	5	Williams	25651	1994 PW_{17}
1994 PY_{17}	14.0	970601	217.41539	110.21755	207.03254	1.58621	0.0755471	2.9306514	21	2	1994–1997	0.84	M-v	5	Williams	29620	1994 PY_{17}
1994 PD_{18}	15.0	970601	317.88719	120.98505	158.89750	6.68731	0.1168440	2.3829372	24	2	1971–1994	0.97	M-v	5	Williams	25430	1994 PD_{18}
1994 PH_{18}	16.0	970601	354.43238	73.24505	166.78156	2.52451	0.1682061	2.3550793	39	3	1991–1997	0.63	M-v	4	Williams	29663	1994 PH_{18}
1994 PY_{19}	13.5	970601	24.84560	257.39415	309.70576	2.10792	0.1214311	2.4307503	18	3	1974–1994	0.74	M-v	5	Williams	24749	1994 PY_{19}
1994 PK_{20}	14.0	970601	48.99820	331.85995	169.60671	2.05335	0.0295726	2.8351151	36	2	1994–1997	0.64	M-v	4	Williams	29302	1994 PK_{20}
1994 PR_{20}	14.5	970601	210.50599	285.98712	143.60771	3.63141	0.1221396	2.2923304	19	2	1994–1996	0.81	M-v	4	Williams	27122	1994 PR_{20}
1994 PN_{21}	13.5	970601	110.25482	288.32221	145.06818	2.29379	0.1659640	3.0919723	22	4	1951–1996	0.78	M-v	2	Williams	26904	1994 PN_{21}
1994 PH_{22}	14.5	970601	178.57997	241.61658	165.49855	2.43528	0.2045642	2.6980082	17	3	1981–1996	0.97	M-v	4	Williams	26905	1994 PH_{22}
1994 PR_{27}	13.5	970601	54.01643	129.49418	10.40884	4.70006	0.0560512	2.7385036	44	4	1981–1997	0.65	M-v	2	Williams	29663	1994 PR_{27}
1994 QC	19.0	970601	355.04488	94.17511	162.60225	13.87119	0.1179082	1.3243680	145	2	1994–1997	0.63	M-v	2	Marsden	29663	1994 QC
1994 QQ	13.0	970601	285.97307	265.47177	342.13496	9.94705	0.0960843	2.8754399	35	2	1994–1997	0.65	M-v	4	Williams	29663	1994 QQ
1994 QV	13.0	970601	219.54714	6.31828	354.03047	13.66896	0.2887830	2.6444410	33	4	1971–1996	0.72	M-v	3	Williams	26581	1994 QV
1994 QW	13.5	970601	275.69640	215.00901	136.35791	8.38814	0.1108833	2.3021796	47	4	1987–1996	0.64	M-v	2	Williams	26927	1994 QW
1994 RH	16.0	970601	257.39969	91.79523	331.66238	18.93461	0.4405614	2.2478182	128	3	1984–1996	0.57	M-v	2	Marsden	27730	1994 RH
1994 RJ	16.0	970601	253.64302	106.64479	216.34467	3.15765	0.1496339	2.5195075	26	4	1993–1997	0.61	M-v	2	Williams	26581	1994 RJ
1994 RQ	14.0	970601	229.84545	342.65055	37.55192	1.81722	0.2154621	2.4871961	33	7	1980–1997	0.78	M-v	2	Marsden	29663	1994 RQ
1994 RN_1	14.0	970601	296.12523	206.03769	129.34564	4.73292	0.1863680	2.2447189	17	4	1984–1997	0.84	M-v	2	Williams	27327	1994 RN_1
1994 RB_{17}	13.5	970601	208.83069	179.10482	152.58933	2.62134	0.0720536	2.8738731	24	6	1979–1997	0.83	M-v	2	Williams	27937	1994 RB_{17}
1994 SF_{12}	14.5	970601	250.56657	236.19396	86.74803	1.29955	0.0801678	2.7433718	24	4	1992–1997	0.66	M-v	2	Williams	29663	1994 SF_{12}
1994 ST_{12}	14.0	970601	268.11844	288.30615	28.47752	3.76847	0.1555222	2.5923559	26	3	1993–1997	0.69	M-v	4	Williams	29621	1994 ST_{12}
1994 TD	13.5	970601	131.42570	259.00372	179.45490	4.16406	0.0490684	3.0346309	26	3	1994–1997	0.75	M-v	3	Williams	29663	1994 TD
1994 TW_1	15.0	970601	207.12171	62.17770	3.61100	36.03630	0.5766675	2.5908005	127	3	1991–1996	0.72	M-v	1	Marsden	27731	1994 TW_1
1994 TX_2	13.0	970601	183.55764	206.27039	208.73129	10.42557	0.1015543	2.7408380	32	4	1988–1997	0.63	M-v	2	Williams	29621	1994 TX_2
1994 TY_2	13.5	970601	213.36441	64.03374	17.99432	10.82894	0.2726765	2.4462975	16	3	1988–1994	0.86	M-v	2	Williams	24409	1994 TY_2
1994 TL_3	15.0	970601	282.94985	168.22397	222.01577	9.27006	0.1133175	2.2767840	39	3	1980–1996	0.61	M-v	3	Marsden	27456	1994 TL_3
1994 TS_3	12.5	970601	251.46949	315.34716	34.25645	14.26247	0.2053578	2.6764293	30	3	1994–1997	0.49	M-v	3	Williams	26759	1994 TS_3
1994 TU_3	13.5	970601	279.31767	140.88275	211.79745	22.62121	0.2688322	2.3295478	16	3	1951–1997	0.53	M-v	2	Williams	28301	1994 TU_3
1994 TB_{15}	13.5	970601	226.00953	72.22715	326.33054	4.79378	0.2180041	2.5193353	28	6	1954–1997	0.52	M-v	2	Marsden	27456	1994 TB_{15}
1994 UK_1	13.0	970601	267.72214	294.28926	9.31621	5.49382	0.2858074	2.7505740	22	3	1993–1997	0.69	M-v	3	Williams	29663	1994 UK_1
1994 UQ_1	13.5	970601	269.46955	134.47465	201.91741	3.53914	0.1969305	2.5701035	30	4	1980–1997	0.70	M-v	3	Williams	24764	1994 UQ_1
1994 UK_5	13.5	970601	176.08014	0.83802	53.64764	3.14310	0.1480776	2.8383339	23	5	1989–1997	0.58	M-v	1	Marsden	28888	1994 UK_5
1994 VY	14.5	970601	15.11479	291.97925	256.19340	8.81293	0.0299771	2.9686533	30	3	1994–1997	0.39	M-v	3	Williams	29663	1994 VY
1994 VT_6	13.5	970601	183.83033	328.85859	74.45506	3.06044	0.1216903	2.9260000	18	2	1994–1997	0.66	M-v	4	Williams	29622	1994 VT_6
1994 WC	14.5	970601	278.14125	303.83974	38.83150	11.44377	0.3304647	2.4189818	28	4	1990–1997	0.70	M-v	2	Williams	28617	1994 WC
1994 WT_2	12.5	970601	150.18358	27.47902	42.18122	6.30993	0.0479827	3.4136372	31	6	1975–1997	0.66	M-v	1	Williams	26927	1994 WT_2
1994 WH_3	12.5	970601	197.94311	262.89102	111.47527	1.96715	0.1743030	3.1564445	17	4	1982–1994	0.79	M-v	2	Williams	29663	1994 WH_3
1994 XS	14.0	970601	278.66876	207.07510	126.24687	7.92704	0.1172281	3.0055186	25	3	1994–1997	0.44	M-v	4	Williams	27122	1994 XS
1995 BU	13.5	970601	234.16667	345.86074	130.89352	22.25347	0.0292884	2.4290142	41	3	1993–1996	0.47	M-v	2	Williams	27731	1995 BU

1995 BJ_1	12.5	970601	147.89296	24.34382	97.35762	2.30188	0.1380564	3.2162475	50	3	1990–1996	0.58	M-v	4	Williams	28889	1995	BJ_1
1995 CV	12.5	970601	276.44919	144.13029	152.99283	7.04736	0.0875960	5.2339691	46	3	1995–1997	0.46	M-v	3	Williams	29664	1995	CV
1995 DK_2	13.5	970601	136.57028	37.33213	79.55289	7.27198	0.0996766	3.1304632	48	3	1988–1996	0.47	M-v	3	Williams	27456	1995	DK_2
1995 FH_5	15.5	970601	92.83745	326.03460	359.66821	22.79970	0.2285712	2.2610241	13	3	1979–1996	0.37	M-v	4	Williams	28087	1995	FH_5
1995 GO	9.0	970601	335.92774	290.10281	6.11860	17.63617	0.6219644	18.0988805	105	3	1995–1997	0.58	M-v	2	Marsden	29664	1995	GO
1995 QH_2	14.0	970601	192.99718	275.91330	45.62497	6.88936	0.1371224	2.2754300	15	3	1964–1997	0.68	M-v	4	Williams	29318	1995	QH_2
1995 SG	15.5	970601	118.95860	166.40425	236.39719	1.34335	0.1348249	2.5417210	42	3	1991–1997	0.52	M-v	3	Williams	29664	1995	SG
1995 ST	14.0	970601	293.41477	260.78441	339.54325	7.32948	0.0802298	2.2939001	28	2	1995–1997	0.58	M-v	4	Williams	29664	1995	ST
1995 SU	14.5	970601	300.50471	273.06627	318.39466	5.05666	0.0832044	2.3193358	37	4	1983–1997	0.86	M-v	2	Williams	29664	1995	SU
1995 SX	14.5	970601	166.75198	142.79119	194.62632	5.83882	0.1431963	2.3881258	39	3	1994–1997	0.61	M-v	3	Williams	29664	1995	SX
1995 SN_3	14.5	970601	243.64896	314.91773	336.96344	4.71653	0.1706550	2.2834046	54	3	1994–1997	0.49	M-v	3	Williams	29664	1995	SN_3
1995 SD_5	12.0	970601	164.84518	329.35131	350.81392	13.38003	0.0679531	2.9594211	19	4	1990–1997	0.68	M-v	2	Williams	29664	1995	SD_5
1995 SW_{29}	13.0	970601	77.36390	112.71457	317.87310	25.52921	0.2025031	3.1468281	13	3	1980–1997	0.50	M-v	2	Williams	29624	1995	SW_{29}
1995 SW_{52}	13.5	970601	210.62374	73.84131	248.10713	4.70353	0.1652613	2.2827074	10	3	1978–1995	0.55	M-v	4	Williams	25967	1995	SW_{52}
1995 SQ_{54}	15.5	970601	194.40576	257.35214	75.09029	4.09573	0.1913931	2.3441142	12	3	1988–1997	0.59	M-v	4	Williams	29624	1995	SQ_{54}
1995 TB_1	13.5	970601	126.45994	254.31218	134.97112	4.85371	0.2367901	2.5662659	27	4	1954–1997	0.63	M-v	2	Williams	29319	1995	TB_1
1995 UE	14.0	970601	1.69902	212.91487	344.28045	5.91440	0.0676732	2.2363745	22	2	1995–1997	0.66	M-v	4	Williams	29664	1995	UE
1995 UY_1	14.5	970601	53.04086	158.35377	322.19298	4.68573	0.0647183	2.6545852	22	3	1993–1997	0.59	M-v	3	Williams	29665	1995	UY_1
1995 UX_2	13.5	970601	315.68070	218.65100	30.47575	11.68599	0.1227559	2.9767790	27	3	1992–1997	0.52	M-v	4	Williams	29665	1995	UX_2
1995 UW_3	15.5	970601	159.87840	22.43471	7.14572	2.46475	0.1987823	2.3971462	49	3	1980–1997	0.60	M-v	4	Williams	29625	1995	UW_3
1995 UT_4	13.0	970601	98.80841	52.75602	52.35709	14.20521	0.1417473	2.5540381	14	3	1991–1995	0.47	M-v	3	Williams	26423	1995	UT_4
1995 UU_4	12.0	970601	146.78915	137.92412	230.44738	9.64408	0.1104877	3.0005489	29	2	1989–1995	0.56	M-v	5	Williams	29625	1995	UU_4
1995 UH_6	13.5	970601	156.88693	337.59016	34.69276	6.65027	0.0428512	2.7238995	26	3	1993–1997	0.47	M-v	4	Williams	29625	1995	UH_6
1995 UM_8	15.5	970601	139.16285	53.00186	31.74208	4.81321	0.0794442	2.2073732	32	3	1988–1997	0.55	M-v	4	Williams	29665	1995	UM_8
1995 VE	15.5	970601	188.28019	35.79553	5.20306	3.08078	0.0707286	2.1999496	30	3	1984–1997	0.66	M-v	4	Williams	29626	1995	VE
1995 VU_1	12.5	970601	36.87346	90.65280	71.07737	13.74261	0.0946190	2.6977157	20	5	1964–1997	1.00	M-v	2	Williams	29665	1995	VU_1
1995 VQ_{12}	15.5	970601	166.38128	196.45032	201.98807	7.47920	0.1137203	2.2550765	18	3	1978–1997	0.64	M-v	4	Williams	29665	1995	VQ_{12}
1995 WN	14.5	970601	220.42309	257.63341	80.55076	4.65321	0.1582398	2.3252973	18	3	1991–1995	0.64	M-v	3	Williams	29627	1995	WN
1995 WF_2	12.5	970601	104.84210	269.34971	146.96534	1.38488	0.1995397	3.2052705	28	6	1977–1997	0.64	M-v	1	Williams	29665	1995	WF_2
1995 WS_2	14.5	970601	193.92353	327.59571	45.45502	6.96300	0.2026268	2.2635377	14	3	1978–1995	0.86	M-v	4	Williams	26408	1995	WS_2
1995 WO_3	15.0	970601	169.21823	157.90062	232.84160	1.64828	0.1954888	2.3864940	22	4	1980–1997	0.67	M-v	2	Williams	29665	1995	WO_3
1995 WG_5	14.0	970601	127.11481	243.40287	198.55652	5.73842	0.0817347	2.3792581	13	2	1991–1995	0.53	M-v	6	Williams	26410	1995	WG_5
1995 WH_7	14.0	970601	146.97547	293.27799	140.66308	3.09744	0.1449899	2.4120696	27	4	1989–1997	0.58	M-v	3	Williams	29665	1995	WH_7
1995 WO_8	11.5	970601	348.52145	58.04761	145.56465	14.28774	0.2377293	3.1655636	24	4	1952–1997	0.63	M-v	2	Williams	29665	1995	WO_8
1995 WW_{17}	16.0	970601	343.06385	212.23642	21.96505	4.12310	0.0796002	2.1582760	25	2	1995–1997	0.48	M-v	4	Williams	29628	1995	WW_{17}
1995 XG	15.0	970601	227.80820	326.15431	39.93056	3.96208	0.1539238	2.2283089	15	3	1978–1997	0.56	M-v	4	Williams	26413	1995	XG
1995 XJ	14.0	970601	125.91696	345.11773	81.71089	10.40403	0.1380321	2.8029321	48	2	1995–1997	0.34	M-v	3	Marsden	29628	1995	XJ
1995 XT	12.5	970601	79.98668	348.45547	115.25937	2.29181	0.1355511	3.0800869	25	5	1989–1997	0.72	M-v	1	Williams	29665	1995	XT
1995 XN_1	12.5	970601	328.40016	174.70023	72.74150	14.10122	0.1324835	2.5937954	22	4	1978–1997	0.68	M-v	3	Williams	29139	1995	XN_1
1995 XP_2	15.0	970601	174.79960	180.17248	210.41202	2.43546	0.1835979	2.2653950	37	3	1978–1997	0.68	M-v	3	Williams	29665	1995	XP_2
1995 YG	15.0	970601	296.39559	78.77919	212.46413	2.52646	0.1726737	2.2890958	23	4	1984–1997	0.66	M-v	2	Williams	29139	1995	YG
1995 YT	15.5	970601	189.42326	205.53607	165.06004	2.07112	0.2574218	2.4028644	28	3	1976–1997	0.67	M-v	5	Williams	29628	1995	YT
1995 YL_1	14.0	970601	196.73466	114.34112	248.87349	2.61189	0.2760683	2.5718011	23	5	1953–1997	0.80	M-v	2	Williams	29665	1995	YL_1
1995 YZ_1	14.0	970601	118.77882	58.67608	11.80944	7.19829	0.1777707	2.8982556	34	3	1992–1997	0.50	M-v	3	Williams	29665	1995	YZ_1
1995 YB_3	13.0	970601	111.22342	344.22272	96.87279	2.64201	0.1831892	3.0848524	18	3	1989–1996	0.51	M-v	4	Williams	26574	1995	YB_3
1995 YK_3	12.0	970601	317.11633	341.25267	245.99753	3.65473	0.0550002	3.9356107	39	4	1989–1997	0.69	M-v	1	Williams	26928	1995	YK_3
1995 YE_6	16.5	970601	12.33697	359.82193	217.07639	2.62143	0.1388301	2.2329480	28	2	1995–1997	0.32	M-v	4	Williams	29629	1995	YE_6
1996 AE	14.5	970601	178.53690	166.24982	239.82350	5.14505	0.1350976	2.3720801	64	3	1989–1997	0.52	M-v	3	Marsden	29665	1996	AE
1996 AU	13.0	970601	240.70943	223.05032	121.16841	16.86274	0.1468918	2.6843842	14	3	1985–1997	0.76	M-v	3	Williams	26748	1996	AU
1996 AO_1	15.0	970601	194.70382	326.51809	69.54953	3.91911	0.1931938	2.3914923	51	2	1996–1997	0.63	M-v	4	Marsden	29666	1996	AO_1
1996 AU_1	13.5	970601	348.07154	103.02316	125.40166	2.09086	0.1060471	3.1539063	48	3	1993–1997	0.54	M-v	4	Williams	29666	1996	AU_1
1996 AD_2	13.5	970601	183.27884	277.90041	94.30118	12.00872	0.1322510	2.9855901	47	2	1996–1997	0.42	M-v	3	Marsden	29666	1996	AD_2

1996 AL_2	12.5	970601	354.65926	134.14567	106.21829	14.18556	0.1291256	2.6447178	30	3	1991–1997	0.38	M-v	3	Williams	29629	1996 AL_2
1996 AN_{15}	15.0	970601	137.64162	4.81807	131.81182	7.61894	0.0361925	2.2910168	31	4	1989–1996	0.75	M-v	2	Williams	29666	1996 AN_{15}
1996 BX	14.0	970601	36.44518	96.78550	91.32045	3.26492	0.0151410	2.8945074	26	2	1996–1997	0.38	M-v	4	Williams	29629	1996 BX
1996 BS_1	13.5	970601	310.75378	283.79699	34.50868	4.16078	0.0876667	2.3770263	24	3	1990–1996	0.64	M-v	3	Williams	29666	1996 BS_1
1996 BX_1	13.5	970601	151.53413	358.29513	113.48491	11.20686	0.1537217	2.3602453	21	4	1989–1996	0.50	M-v	1	Williams	28595	1996 BX_1
1996 BG_2	13.0	970601	119.40680	127.67694	329.56394	21.47880	0.0594531	2.6710774	28	2	1992–1996	0.80	M-v	4	Marsden	26752	1996 BG_2
1996 BV_3	13.5	970601	343.55438	217.14713	83.56070	6.26249	0.1408318	2.3431786	20	5	1964–1996	0.75	M-v	2	Williams	26928	1996 BV_3
1996 CC_1	15.0	970601	301.16250	249.67110	74.13769	1.48284	0.1508008	2.2738589	33	4	1987–1997	0.64	M-v	2	Williams	26909	1996 CC_1
1996 CR_7	13.0	970601	286.11224	189.41274	146.95840	15.42713	0.1155169	2.5967947	30	5	1985–1997	0.94	M-v	2	Williams	29666	1996 CR_7
1996 CX_7	14.0	970601	288.31849	227.11563	126.98815	6.37049	0.2021945	2.2219401	21	4	1991–1996	0.89	M-v	2	Williams	29666	1996 CX_7
1996 CS_8	12.5	970601	15.03016	100.95858	129.19091	6.12557	0.0929486	3.1250122	17	4	1988–1996	0.61	M-v	2	Williams	29114	1996 CS_8
1996 CV_8	14.0	970601	29.02983	230.37113	41.76532	4.24600	0.1383506	2.2677467	23	4	1990–1996	0.73	M-v	3	Williams	29666	1996 CV_8
1996 DE	12.0	970601	301.81694	187.87243	145.63736	16.19921	0.1392617	2.6097665	16	4	1988–1996	0.68	M-v	2	Williams	28595	1996 DE
1996 DP	13.5	970601	53.91787	96.03152	134.02673	1.34010	0.1121431	2.5832715	21	4	1992–1996	0.87	M-v	2	Williams	29666	1996 DP
1996 DD_1	14.5	970601	126.31361	344.00166	115.55506	22.81572	0.0674961	2.6725275	38	2	1996–1997	0.40	M-v	3	Marsden	29630	1996 DD_1
1996 DK_1	14.0	970601	140.89205	357.75209	133.83330	5.12943	0.1689022	2.3726230	34	3	1985–1996	0.84	M-v	3	Williams	27123	1996 DK_1
1996 EG_2	13.5	970601	5.08877	115.89716	165.91858	12.31230	0.0393353	2.5396203	14	4	1976–1996	0.93	M-v	5	Williams	27115	1996 EG_2
1996 HW_1	15.5	970601	52.24288	176.76579	177.28209	8.42498	0.4487057	2.0463227	133	3	1980–1996	0.63	M-v	3	Williams	28618	1996 HW_1
1996 HT_{14}	13.0	970601	82.56258	87.60597	115.28304	2.32666	0.0979634	3.2161236	18	4	1981–1996	0.82	M-v	4	Williams	28890	1996 HT_{14}
1996 NU_4	13.5	970601	53.98134	30.54422	311.13831	7.94158	0.0762340	2.5717886	18	3	1988–1996	0.90	M-v	5	Williams	27922	1996 NU_4
1996 PA	16.0	970601	125.26120	153.08775	143.91580	19.33240	0.2991677	1.9041899	207	3	1983–1996	0.56	M-v	2	Marsden	28618	1996 PA
1996 QN_1	14.0	970601	86.42141	322.05005	338.97551	9.80678	0.0816341	2.9827627	45	3	1986–1996	0.70	M-v	4	Williams	29140	1996 QN_1
1996 RG_3	18.5	970601	52.80434	299.90129	158.46809	3.56526	0.6047975	1.9998271	97	2	1996–1997	0.64	M-v	4	Marsden	29666	1996 RG_3
1996 SR	16.5	970601	53.81987	189.75422	165.32029	4.83355	0.2005193	2.5688939	22	2	1992–1996	0.53	M-v	4	Williams	29140	1996 SR
1996 TE_{11}	16.0	970601	39.46530	261.92999	176.44904	24.96061	0.4709432	2.5704282	94	1	221 days	0.58	M-v	3	Williams	29320	1996 TE_{11}
1996 VG_8	13.0	970601	157.98873	26.68069	262.76457	5.80329	0.1934091	2.2122555	17	3	1986–1997	0.58	M-v	4	Williams	29632	1996 VG_8
1996 VR_{30}	12.0	970601	271.69104	278.61427	268.73261	6.65353	0.0244313	3.1772432	16	3	1989–1996	0.81	M-v	4	Williams	28891	1996 VR_{30}
1996 WQ_1	14.0	970601	312.09529	331.04724	204.17119	1.54154	0.1477890	2.4168426	26	3	1979–1996	0.57	M-v	3	Williams	29666	1996 WQ_1
1996 XS_{23}	14.5	970601	70.98865	6.36878	42.93334	26.36475	0.2400106	2.3028130	29	1	145 days	0.58	M-v	4	Williams	29633	1996 XS_{23}
1996 YD	14.0	970601	23.66381	87.01397	43.71883	2.48408	0.0901809	2.2591095	22	3	1984–1997	0.69	M-v	3	Williams	29667	1996 YD
1996 YT	13.5	970601	228.99158	244.09907	38.03412	3.48671	0.1713220	2.4076407	17	3	1994–1997	0.71	M-v	4	Williams	29633	1996 YT
1996 YU_1	13.0	970601	128.83210	251.70019	113.17033	14.67283	0.1693835	2.6112877	33	4	1990–1997	0.54	M-v	2	Williams	29141	1996 YU_1
1997 AL_1	11.0	970601	103.69524	92.69676	301.06006	18.37243	0.0868119	3.1649111	15	2	1992–1997	0.44	M-v	4	Williams	29633	1997 AL_1
1997 AB_2	13.5	970601	295.91475	113.12046	104.64718	15.45870	0.0156115	2.5666585	29	3	1978–1997	0.66	M-v	3	Williams	29120	1997 AB_2
1997 AC_4	13.0	970601	212.12106	329.58296	341.87491	2.23008	0.2288256	2.3622137	23	4	1973–1997	0.61	M-v	3	Williams	29667	1997 AC_4
1997 AQ_{16}	15.0	970601	112.45249	258.76499	110.58411	0.33308	0.2309257	2.2243039	24	3	1979–1997	0.45	M-v	3	Williams	29320	1997 AQ_{16}
1997 AR_{16}	12.5	970601	3.05260	191.92768	359.27096	18.31692	0.1565545	2.9850132	78	1	119 days	0.65	M-v	3	Williams	29635	1997 AR_{16}
1997 AX_{17}	14.5	970601	179.29756	297.00038	54.18325	3.31477	0.0424138	2.1258691	15	3	1977–1997	0.58	M-v	5	Williams	29667	1997 AX_{17}
1997 AM_{19}	13.5	970601	209.90660	157.72272	146.14091	3.18916	0.0322669	2.3059205	18	4	1985–1997	0.74	M-v	2	Williams	29635	1997 AM_{19}
1997 BR	17.5	970601	356.76950	133.73694	116.78931	17.23774	0.3058726	1.3360296	308	1	117 days	0.57	M-v	4	Williams	29667	1997 BR
1997 BG_1	13.5	970601	359.56487	33.11812	143.95045	7.56965	0.2302862	2.6373325	24	2	1993–1997	0.67	M-v	4	Williams	29635	1997 BG_1
1997 BU_1	13.5	970601	53.79444	79.67874	18.17299	1.77250	0.0800331	2.9201135	28	5	1985–1997	0.55	M-v	3	Williams	29636	1997 BU_1
1997 BB_2	14.0	970601	238.23317	295.20104	1.90386	3.13842	0.1327632	2.1576264	26	6	1976–1997	0.63	M-v	2	Williams	29637	1997 BB_2
1997 BL_2	11.5	970601	174.61047	201.56048	143.14938	11.07431	0.0302754	3.2505415	27	5	1989–1997	0.70	M-v	1	Williams	29637	1997 BL_2
1997 BE_3	12.0	970601	190.36155	265.45801	63.63755	4.74581	0.2400038	3.1314710	21	5	1972–1997	0.52	M-v	1	Williams	29637	1997 BE_3
1997 BP_3	14.0	970601	64.09403	339.45990	138.16921	7.05383	0.0563991	2.2922754	13	3	1976–1997	0.58	M-v	4	Williams	29638	1997 BP_3
1997 BG_8	14.0	970601	293.73767	284.61625	325.73081	3.32928	0.0918629	2.1587506	57	3	1994–1997	0.61	M-v	3	Williams	29667	1997 BG_8
1997 BF_9	13.5	970601	335.30096	8.20012	190.15007	0.79710	0.1287217	3.1177775	21	4	1993–1997	0.61	M-v	2	Williams	29638	1997 BF_9
1997 CP	14.0	970601	161.03309	200.63839	157.98491	3.72763	0.1957205	2.4000219	21	6	1976–1997	0.45	M-v	1	Williams	29639	1997 CP
1997 CE_1	13.0	970601	145.89349	3.72145	10.59384	7.11381	0.2382838	2.3321954	16	4	1981–1997	0.64	M-v	2	Williams	29639	1997 CE_1
1997 CV_1	14.5	970601	203.06434	197.67791	110.52037	2.62902	0.1580987	2.1318493	37	2	1992–1997	0.49	M-v	4	Williams	29640	1997 CV_1
1997 CY_2	13.5	970601	39.16139	3.53593	120.61051	3.76628	0.1973352	3.1074204	23	3	1979–1997	0.52	M-v	4	Williams	29667	1997 CY_2

1997 CF_3	14.5	970601	318.12122	56.67439	162.55978	5.61217	0.0901848	2.3612306	15	3	1990–1997	0.49	M-v	3	Williams	29640	1997 CF_3
1997 CN_5	13.5	970601	334.56720	337.79255	210.07716	5.30807	0.0626643	2.8126055	14	3	1976–1997	0.45	M-v	4	Williams	29310	1997 CN_5
1997 CZ_5	13.5	970601	37.52458	169.07558	288.15991	24.93829	0.3989229	2.2927708	241	1	84 days	0.44	M-v	4	Williams	29667	1997 CZ_5
1997 CP_{13}	14.5	970601	8.98163	201.25584	321.80545	1.29259	0.0776644	2.4322567	54	4	1978–1997	0.79	M-v	2	Williams	29667	1997 CP_{13}
1997 CT_{19}	15.0	970601	70.06749	202.51526	241.63047	1.45467	0.1740373	2.3862585	36	3	1977–1997	0.76	M-v	4	Williams	29640	1997 CT_{19}
1997 CX_{19}	15.0	970601	30.73352	155.93536	0.26543	4.73024	0.1354249	2.3013404	26	2	1990–1997	0.62	M-v	3	Williams	29641	1997 CX_{19}
1997 CK_{20}	14.5	970601	329.82873	210.93438	15.73037	4.12357	0.0708708	2.1648410	26	4	1976–1997	0.69	M-v	2	Williams	29641	1997 CK_{20}
1997 CB_{22}	13.0	970601	284.48593	280.74816	348.80053	6.73980	0.0877862	2.7879406	38	6	1978–1997	0.79	M-v	1	Williams	29667	1997 CB_{22}
1997 CU_{26}	6.0	970601	320.90034	244.29474	300.47564	23.41922	0.1786248	15.7821934	188	1	92 days	0.42	M-v	5	Marsden	29641	1997 CU_{26}
1997 CK_{29}	14.5	970601	68.39360	123.86838	332.04931	1.17818	0.2072961	2.3024810	17	3	1990–1997	0.91	M-v	2	Williams	29642	1997 CK_{29}
1997 DF	18.0	970601	124.74422	268.43670	145.89856	18.67174	0.1468458	1.5416562	94	1	54 days	0.43	M-v	5	Williams	29642	1997 DF
1997 EK	12.5	970601	15.55134	159.34051	9.89561	12.73589	0.0812493	2.9086792	27	3	1992–1997	0.43	M-v	3	Williams	29642	1997 EK
1997 EW_2	13.0	970601	68.23136	9.06517	110.90735	4.99136	0.0499097	2.7852819	21	5	1973–1997	0.77	M-v	2	Williams	29643	1997 EW_2
1997 EA_3	14.0	970601	108.36444	336.86215	111.56875	5.47710	0.0179504	2.2694516	14	3	1981–1997	0.76	M-v	4	Williams	29643	1997 EA_3
1997 EO_7	13.0	970601	248.86060	320.97047	330.21916	9.20881	0.1710528	3.1626776	23	1	107 days	0.21	M-v	4	Marsden	29643	1997 EO_7
1997 EK_8	15.5	970601	83.33230	93.29367	354.25797	2.71533	0.2050730	2.4198352	28	3	1993–1997	0.59	M-v	3	Marsden	29643	1997 EK_8
1997 EL_{11}	13.0	970601	238.72175	270.90177	55.33437	15.43031	0.1487077	2.6111428	22	2	1986–1997	0.58	M-v	4	Williams	29644	1997 EL_{11}
1997 ED_{23}	15.5	970601	350.62436	223.92517	357.81950	2.75851	0.1905014	2.5307714	48	2	1993–1997	0.71	M-v	5	Williams	29644	1997 ED_{23}
1997 EQ_{25}	13.5	970601	266.66106	107.99893	176.58918	12.24035	0.1034545	3.3530938	15	2	1993–1997	0.59	M-v	4	Williams	29644	1997 EQ_{25}
1997 EV_{32}	15.0	970601	352.42348	39.67826	166.20811	6.61795	0.0915341	2.4177682	17	3	1979–1997	0.62	M-v	4	Williams	29645	1997 EV_{32}
1997 EQ_{40}	14.5	970601	314.15019	102.45103	150.59532	11.00705	0.0965657	2.5539008	30	2	1994–1997	0.59	M-v	4	Williams	29645	1997 EQ_{40}
1997 ES_{40}	15.0	970601	129.48733	224.50363	196.71915	3.96534	0.1206360	2.3166523	54	3	1988–1997	0.54	M-v	5	Williams	29645	1997 ES_{40}
1997 EW_{45}	14.0	970601	12.28578	100.82283	98.08357	7.06914	0.1845429	2.5390804	35	2	1995–1997	0.25	M-v	3	Williams	29645	1997 EW_{45}
1997 FD	16.0	970601	341.95239	50.79647	160.36120	5.60641	0.1414700	2.3370324	41	2	1995–1997	0.57	M-v	4	Marsden	29646	1997 FD
1997 FU	12.5	970601	116.30892	6.57484	48.24160	13.99272	0.1386498	2.5921907	33	3	1970–1997	0.82	M-v	5	Williams	29646	1997 FU
1997 FR_1	12.5	970601	51.24446	43.66390	91.20357	10.19709	0.1680268	2.4202299	66	5	1952–1997	0.68	M-v	2	Williams	29647	1997 FR_1
1997 GO_6	14.0	970601	35.86422	130.72949	51.66866	0.12052	0.1157281	3.1034717	37	5	1978–1997	0.63	M-v	1	Williams	29648	1997 GO_6
1997 GO_{13}	16.5	970601	273.75136	35.98548	282.94617	0.49136	0.1853459	2.1526439	25	3	1991–1997	0.62	M-v	5	Williams	29648	1997 GO_{13}
2584 P-L	16.0	970601	280.18950	132.83381	194.22373	2.41107	0.2120112	2.6079243	17	3	1960–1997	0.48	M-v	5	Williams	26911	2584 P-L
2594 P-L	14.0	970601	226.35032	145.01582	149.15361	2.50720	0.0424374	2.8982398	23	5	1960–1997	0.58	M-v	1	Williams	28891	2594 P-L
2600 P-L	16.0	970601	255.98105	157.96375	191.05270	1.25681	0.1690267	2.4306083	28	4	1960–1997	0.78	M-v	2	Williams	26582	2600 P-L
2614 P-L	16.0	970601	226.31465	165.91558	184.37669	3.21706	0.1490770	2.6305108	13	3	1960–1997	0.38	M-v	4	Williams	17973	2614 P-L
2799 P-L	15.0	970601	202.04666	163.86244	185.91320	29.60051	0.2369030	3.1469556	25	4	1960–1993	0.89	M-v	2	Williams	22495	2799 P-L
2825 P-L	14.5	970601	39.26035	313.45458	204.36509	0.93316	0.1102918	3.1698844	21	3	1960–1997	0.52	M-v	4	Williams	29648	2825 P-L
3560 P-L	12.0	970601	158.54342	21.56466	353.95406	15.25813	0.0933545	3.1797399	25	3	1960–1997	0.59	M-v	3	Williams	29321	3560 P-L
4004 P-L	14.0	970601	230.99777	326.48634	342.36096	5.33267	0.0231366	2.6518467	33	5	1960–1997	0.64	M-v	2	Williams	23539	4004 P-L
4517 P-L	13.5	970601	205.51760	322.55914	9.85189	6.86378	0.1767020	2.3010839	31	4	1960–1995	0.85	M-v	4	Williams	27732	4517 P-L
4593 P-L	13.5	970601	223.72533	211.18039	166.71416	2.23408	0.0803102	2.8412717	14	4	1960–1994	0.46	M-v	2	Williams	29648	4593 P-L
4604 P-L	15.5	970601	263.48984	305.33687	27.89015	2.32787	0.1143647	2.2785799	19	4	1953–1997	0.60	M-v	2	Williams	22821	4604 P-L
4638 P-L	15.5	970601	227.08464	200.17902	137.58554	1.67154	0.0846672	2.6364002	28	3	1960–1997	0.70	M-v	4	Williams	29648	4638 P-L
4652 P-L	12.0	970601	113.24349	123.47913	349.51604	6.67799	0.1297600	4.0059816	20	4	1960–1996	0.56	M-v	1	Williams	29649	4652 P-L
4735 P-L	16.0	970601	272.22125	342.99333	51.48236	2.64479	0.0243254	2.1258142	17	4	1960–1994	0.63	M-v	3	Williams	23680	4735 P-L
6533 P-L	13.0	970601	211.26210	150.58027	121.91664	1.87138	0.1364622	3.2157647	14	3	1954–1993	0.66	M-v	4	Williams	29649	6533 P-L
6547 P-L	14.5	970601	252.39655	319.70128	38.87956	3.08671	0.2081901	2.4267012	28	6	1960–1997	0.68	M-v	2	Williams	29668	6547 P-L
6612 P-L	14.5	970601	287.43101	149.18133	172.08331	4.00092	0.1397409	2.6054672	18	5	1955–1997	0.62	M-v	1	Marsden	27938	6612 P-L
6628 P-L	15.5	970601	257.95098	186.65089	158.72989	1.28041	0.1886842	2.4289461	29	4	1960–1997	0.75	M-v	3	Williams	24764	6628 P-L
9544 P-L	14.5	970601	210.15703	171.46731	164.26721	4.86348	0.0541555	2.4563441	19	3	1960–1997	0.66	M-v	4	Williams	20516	9544 P-L
1146 T-1	14.5	970601	318.90208	79.20344	199.79098	4.73777	0.0945871	2.6353293	36	3	1971–1997	0.71	M-v	3	Williams	29668	1146 T-1
1171 T-1	14.5	970601	241.19443	137.87250	200.04415	7.26290	0.1836153	2.3940232	31	6	1971–1997	0.79	M-v	1	Williams	23791	1171 T-1
2205 T-1	13.5	970601	59.40616	186.25384	7.82351	7.36007	0.0500248	2.3665440	22	4	1971–1994	0.87	M-v	2	Williams	23987	2205 T-1
3338 T-1	16.5	970601	9.18856	188.17457	30.69797	2.75782	0.1701997	2.3895334	24	2	1971–1997	0.81	M-v	4	Williams	29650	3338 T-1
4271 T-1	15.0	970601	306.23740	258.94962	38.97994	6.82059	0.1334951	2.3815535	30	4	1954–1997	0.75	M-v	2	Williams	29650	4271 T-1

4825 T-1	14.5	970601	22.69065	275.54409	121.71436	3.15484	0.1581945	2.2675414	19	5	1971–1996	0.82	M-v	2	Williams	29142	4825 T-1
1041 T-2	13.5	970601	264.02470	161.79409	175.97590	2.04880	0.1182735	2.9426403	41	4	1973–1997	0.74	M-v	4	Williams	29668	1041 T-2
1053 T-2	14.0	970601	167.91891	223.38488	189.43879	0.92980	0.1989148	2.6250607	58	6	1971–1997	0.82	M-v	1	Williams	26761	1053 T-2
1212 T-2	12.5	970601	205.69017	141.85682	198.50937	9.69292	0.1144914	3.0148900	27	5	1955–1997	1.02	M-v	2	Williams	25540	1212 T-2
1266 T-2	14.5	970601	238.72922	324.73424	352.63220	6.36197	0.0627269	2.3563301	46	3	1973–1997	0.67	M-v	3	Williams	29668	1266 T-2
1344 T-2	14.0	970601	234.17086	315.28568	137.84664	2.32273	0.0840609	2.8744612	44	7	1951–1995	0.90	M-v	1	Williams	25341	1344 T-2
2075 T-2	15.0	970601	308.59379	75.44456	186.14007	4.75601	0.1983635	2.3359619	32	3	1973–1997	0.86	M-v	4	Williams	26577	2075 T-2
2084 T-2	15.0	970601	90.78396	317.33014	187.63307	21.50858	0.0790000	1.9611332	26	2	1973–1994	1.00	M-v	6	Williams	29668	2084 T-2
2108 T-2	15.0	970601	286.33173	110.79802	200.22649	3.03089	0.1038153	2.3270832	30	4	1973–1997	0.85	M-v	2	Williams	21603	2108 T-2
2181 T-2	13.5	970601	218.86795	92.76380	188.36482	3.08058	0.0470248	2.6847985	28	3	1973–1997	0.75	M-v	3	Williams	28892	2181 T-2
2189 T-2	13.5	970601	293.53785	357.35626	275.65609	1.13940	0.1169616	2.6179943	32	3	1973–1997	0.87	M-v	5	Marsden	29650	2189 T-2
3067 T-2	14.5	970601	301.14337	60.14018	132.40905	2.21057	0.0681748	2.1773059	25	3	1973–1988	1.06	M-v	3	Williams	23792	3067 T-2
3297 T-2	14.0	970601	281.59098	173.98614	40.48274	4.43055	0.1593787	2.3944371	42	7	1954–1996	0.80	M-v	2	Williams	29669	3297 T-2
4101 T-2	13.0	970601	165.19138	175.20795	87.47396	1.85337	0.1422846	3.1605882	22	3	1973–1993	0.91	M-v	5	Williams	22244	4101 T-2
4165 T-2	14.5	970601	171.60807	241.57025	171.25660	4.83706	0.0948992	2.6183700	30	4	1973–1997	0.92	M-v	2	Williams	29669	4165 T-2
5200 T-2	13.0	970601	27.67255	245.34231	301.90219	7.68507	0.0292921	2.9922494	19	3	1973–1992	0.92	M-v	3	Williams	21978	5200 T-2
2416 T-3	13.5	970601	54.54647	197.73801	274.60219	1.40381	0.1656116	2.3779824	17	2	1977–1988	0.72	M-v	7	Williams	27732	2416 T-3
2664 T-3	15.5	970601	83.80373	83.37361	355.21962	2.46148	0.1395651	2.3748907	23	4	1977–1997	0.59	M-v	2	Williams	29321	2664 T-3
2672 T-3	12.5	970601	182.03368	121.65181	201.13106	13.06205	0.2721026	3.2077839	27	4	1977–1993	0.84	M-v	3	Williams	24915	2672 T-3
3164 T-3	13.5	970601	167.26377	190.01004	196.17664	12.97471	0.1115695	2.6788027	23	3	1977–1993	0.83	M-v	4	Williams	21978	3164 T-3
3395 T-3	14.5	970601	60.42381	344.14719	179.10653	4.68371	0.0499219	2.3190117	36	7	1949–1997	0.88	M-v	2	Williams	29669	3395 T-3
3453 T-3	15.0	970601	307.23073	72.55381	187.67686	6.68150	0.1502148	2.3164923	35	4	1977–1997	0.90	M-v	2	Williams	21978	3453 T-3
4008 T-3	13.5	970601	218.71039	86.65598	98.06157	4.99223	0.1393179	2.1894919	17	5	1953–1995	1.13	M-v	2	Williams	29651	4008 T-3
4197 T-3	14.0	970601	240.19901	290.58721	69.86384	4.67713	0.1128865	2.6211408	25	3	1977–1997	0.72	M-v	4	Marsden	29669	4197 T-3

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C/1997 H2 (SOHO) Elements *MPC* 29880

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	06 47.12	+13 07.3	0.837	0.677	41.6	83.2	10.9	
1997 05 27	07 40.43	+10 59.6	0.861	0.805	50.0	74.8	11.7	
1997 06 01	08 26.80	+08 41.2	0.919	0.925	56.9	66.7	12.5	
1997 06 06	09 05.67	+06 28.4	1.002	1.039	62.0	59.6	13.2	
1997 06 11	09 37.80	+04 28.9	1.103	1.147	65.4	53.6	13.8	
1997 06 16	10 04.44	+02 44.3	1.217	1.252	67.5	48.6	14.4	
1997 06 21	10 26.77	+01 13.3	1.340	1.353	68.5	44.3	14.9	
1997 06 26	10 45.79	−00 06.4	1.469	1.450	68.6	40.8	15.4	
1997 07 01	11 02.26	−01 17.0	1.602	1.545	68.1	37.6	15.9	

P/1997 G1 (Montani) Elements *MPC* 29880

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	07 50.48	+18 42.0	4.740	4.243	55.1	11.3	18.7	
1997 06 01	08 00.53	+18 13.4	4.857	4.245	48.0	10.2	18.7	
1997 06 11	08 11.06	+17 40.8	4.962	4.248	41.0	9.0	18.8	
1997 06 21	08 21.96	+17 03.9	5.055	4.252	34.1	7.7	18.8	

C/1997 J1 (Mueller) Elements *MPC* 29880

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	09 45.97	+67 17.5	2.448	2.313	70.4	24.3	13.1	
1997 06 01	09 26.80	+62 40.3	2.611	2.326	62.6	22.8	13.3	
1997 06 11	09 18.00	+58 33.2	2.774	2.345	55.0	20.8	13.4	
1997 06 21	09 14.59	+54 57.7	2.928	2.369	47.8	18.5	13.6	
1997 07 01	09 14.18	+51 50.5	3.068	2.397	41.1	16.2	13.7	
1997 07 11	09 15.52	+49 07.8	3.190	2.431	35.2	13.9	13.9	
1997 07 21	09 17.83	+46 46.2	3.290	2.469	30.5	12.1	14.0	

1997 CQ$_{29}$ $a, e, i = 44.41, 0.07, 3$ Elements *MPC* 29883

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	10 25.71	+11 03.2	41.094	41.161	93.1	1.4	22.8
1997 06 01	10 25.86	+11 02.1	41.262	41.161	83.6	1.4	22.8
1997 06 11	10 26.17	+11 00.2	41.428	41.162	74.1	1.4	22.8
1997 06 21	10 26.62	+10 57.4	41.586	41.162	64.7	1.3	22.8
1997 07 01	10 27.20	+10 53.9	41.732	41.162	55.3	1.2	22.8
1997 07 11	10 27.90	+10 49.8	41.863	41.162	45.9	1.0	22.8
1997 07 21	10 28.70	+10 45.0	41.973	41.162	36.6	0.8	22.8

C/1997 J2 (Meunier-Dupouy) Elements *MPC* 29880

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	10 47.5	+73 09.4	4.286	4.128	74.2	13.7	12.8	
1997 06 01	10 48.6	+72 29.7	4.301	4.067	70.0	13.5	12.8	
1997 06 11	10 54.1	+71 46.1	4.305	4.007	66.3	13.4	12.7	
1997 06 21	11 03.5	+71 00.5	4.297	3.948	63.4	13.3	12.6	
1997 07 01	11 16.1	+70 13.9	4.276	3.890	61.2	13.2	12.6	
1997 07 11	11 31.71	+69 26.4	4.242	3.833	59.8	13.3	12.5	
1997 07 21	11 49.93	+68 37.9	4.195	3.777	59.2	13.4	12.4	
1997 07 31	12 10.52	+67 47.7	4.137	3.723	59.3	13.6	12.3	
1997 08 10	12 33.32	+66 54.9	4.068	3.670	60.1	13.9	12.2	
1997 08 20	12 58.11	+65 58.2	3.990	3.618	61.5	14.2	12.1	
1997 08 30	13 24.72	+64 56.1	3.906	3.568	63.3	14.6	12.0	
1997 09 09	13 52.95	+63 46.9	3.819	3.520	65.3	15.1	11.9	
1997 09 19	14 22.51	+62 28.9	3.730	3.473	67.6	15.5	11.8	

1997 09 29	14 53.10	+61 00.4	3.644	3.428	69.7	15.9	11.7
1997 10 09	15 24.35	+59 20.2	3.564	3.385	71.7	16.3	11.6
1997 10 19	15 55.82	+57 28.0	3.492	3.344	73.3	16.6	11.5
1997 10 29	16 27.09	+55 24.1	3.433	3.306	74.3	16.8	11.4
1997 11 08	16 57.79	+53 10.2	3.388	3.269	74.7	17.0	11.3
1997 11 18	17 27.54	+50 49.2	3.359	3.235	74.4	17.1	11.2
1997 11 28	17 56.10	+48 24.6	3.346	3.204	73.2	17.1	11.2
1997 12 08	18 23.30	+46 01.0	3.350	3.175	71.3	17.1	11.1
1997 12 18	18 49.02	+43 42.2	3.369	3.149	68.8	16.9	11.1
1997 12 28	19 13.23	+41 32.1	3.399	3.126	65.7	16.7	11.1

1997 GB$_2$ a, e, i = 2.99, 0.42, 15 Elements *MPC* 29883

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	11 51.70	−10 28.7	0.995	1.745	120.7	29.9	20.5
1997 06 01	12 00.39	−12 42.7	1.079	1.757	114.1	31.8	20.7
1997 06 11	12 11.97	−14 55.0	1.171	1.773	108.1	33.0	21.0
1997 06 21	12 25.96	−17 05.5	1.269	1.792	102.8	33.6	21.2
1997 07 01	12 41.93	−19 13.3	1.372	1.815	97.8	33.7	21.4
1997 07 11	12 59.59	−21 17.5	1.481	1.842	93.1	33.4	21.6

1997 JC a, e, i = 1.74, 0.30, 15 Elements *MPC* 29886

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	13 56.92	−16 39.7	0.583	1.550	151.7	18.0	19.7
1997 06 01	13 40.63	−18 43.0	0.591	1.510	138.9	26.2	19.9
1997 06 11	13 29.87	−20 52.4	0.612	1.471	127.6	33.2	20.2
1997 06 21	13 25.42	−23 09.8	0.640	1.432	117.9	38.8	20.4
1997 07 01	13 27.10	−25 36.2	0.672	1.396	109.8	43.3	20.5
1997 07 11	13 34.54	−28 11.8	0.705	1.361	103.0	46.7	20.7
1997 07 21	13 47.30	−30 55.3	0.735	1.329	97.4	49.3	20.8
1997 07 31	14 05.11	−33 43.2	0.762	1.300	92.9	51.3	20.9

68P/Klemola Elements *MPC* 25183

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	14 26.93	−02 50.8	2.618	3.545	152.2	7.6	17.6	21.4
1997 06 01	14 20.81	−02 19.6	2.630	3.483	141.7	10.4	17.5	21.5
1997 06 11	14 16.03	−02 01.4	2.663	3.420	131.4	12.9	17.5	21.6
1997 06 21	14 12.96	−01 56.7	2.714	3.357	121.4	15.0	17.4	21.6
1997 07 01	14 11.75	−02 05.3	2.777	3.293	111.8	16.7	17.4	21.7
1997 07 11	14 12.50	−02 26.2	2.849	3.229	102.8	17.9	17.4	21.8
1997 07 21	14 15.17	−02 57.9	2.924	3.165	94.2	18.7	17.3	21.8
1997 07 31	14 19.69	−03 39.0	3.000	3.101	86.1	19.1	17.3	21.8
1997 08 10	14 25.95	−04 27.9	3.074	3.036	78.4	19.1	17.3	21.8
1997 08 20	14 33.85	−05 22.9	3.142	2.971	71.0	18.8	17.2	21.8
1997 08 30	14 43.26	−06 22.6	3.203	2.906	64.0	18.2	17.2	21.8
1997 09 09	14 54.12	−07 25.6	3.255	2.841	57.4	17.4	17.1	21.7
1997 09 19	15 06.33	−08 30.5	3.297	2.776	51.0	16.3	17.0	21.7
1997 09 29	15 19.83	−09 35.8	3.329	2.712	44.8	15.1	16.9	21.6
1997 10 09	15 34.58	−10 40.3	3.349	2.647	38.9	13.7	16.9	21.5
1997 10 19	15 50.52	−11 42.4	3.357	2.583	33.3	12.2	16.8	21.4

130P/McNaught-Hughes Elements *MPC* 29881

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	14 55.67	−09 16.1	1.880	2.860	161.8	6.3	18.2	20.6
1997 06 01	14 48.10	−09 09.7	1.889	2.820	151.1	10.0	18.1	20.8
1997 06 11	14 42.08	−09 14.7	1.921	2.780	140.4	13.5	18.1	20.9
1997 06 21	14 38.17	−09 32.1	1.972	2.740	130.2	16.4	18.0	21.0
1997 07 01	14 36.65	−10 01.9	2.038	2.701	120.6	18.9	18.0	21.2
1997 07 11	14 37.62	−10 43.2	2.115	2.662	111.6	20.8	18.0	21.3
1997 07 21	14 41.04	−11 34.7	2.199	2.624	103.1	22.2	18.0	21.4
1997 07 31	14 46.77	−12 34.6	2.288	2.586	95.2	23.0	18.0	21.5
1997 08 10	14 54.65	−13 41.1	2.378	2.549	87.8	23.4	18.0	21.5
1997 08 20	15 04.52	−14 52.3	2.466	2.513	80.9	23.4	18.0	21.6
1997 08 30	15 16.20	−16 06.5	2.552	2.477	74.3	23.1	17.9	21.6
1997 09 09	15 29.58	−17 21.8	2.635	2.442	68.0	22.5	17.9	21.6
1997 09 19	15 44.52	−18 36.4	2.712	2.409	62.0	21.6	17.9	21.6
1997 09 29	16 00.92	−19 48.5	2.783	2.377	56.2	20.5	17.9	21.6
1997 10 09	16 18.69	−20 56.4	2.848	2.346	50.7	19.2	17.8	21.6
1997 10 19	16 37.72	−21 58.2	2.906	2.316	45.3	17.8	17.8	21.6
1997 10 29	16 57.93	−22 52.3	2.957	2.288	40.1	16.2	17.7	21.5
1997 11 08	17 19.21	−23 36.9	3.001	2.262	35.0	14.6	17.7	21.5
1997 11 18	17 41.43	−24 10.7	3.037	2.237	30.1	12.8	17.7	21.4

C/1997 G2 (Montani) Elements *MPC* 29880

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	15 24.16	−11 01.5	3.384	4.379	168.0	2.8	17.6	
1997 06 01	15 13.50	−12 00.2	3.359	4.316	157.9	5.1	17.5	
1997 06 11	15 03.35	−13 03.0	3.368	4.254	146.7	7.5	17.4	
1997 06 21	14 54.26	−14 09.7	3.406	4.192	135.6	9.8	17.4	
1997 07 01	14 46.61	−15 19.7	3.468	4.132	124.6	11.7	17.4	
1997 07 11	14 40.67	−16 33.0	3.549	4.072	114.1	13.2	17.3	
1997 07 21	14 36.57	−17 49.6	3.644	4.013	104.0	14.2	17.3	
1997 07 31	14 34.30	−19 09.3	3.746	3.955	94.4	14.8	17.3	
1997 08 10	14 33.83	−20 32.5	3.851	3.898	85.2	15.0	17.3	
1997 08 20	14 35.04	−21 59.1	3.953	3.842	76.3	14.8	17.3	
1997 08 30	14 37.80	−23 29.2	4.050	3.788	67.9	14.3	17.3	
1997 09 09	14 42.01	−25 02.9	4.138	3.735	59.8	13.5	17.3	
1997 09 19	14 47.55	−26 40.3	4.214	3.683	52.1	12.4	17.3	
1997 09 29	14 54.30	−28 21.3	4.276	3.632	44.7	11.2	17.3	
1997 10 09	15 02.19	−30 06.1	4.322	3.584	37.7	9.8	17.2	
1997 10 19	15 11.16	−31 54.7	4.350	3.536	31.2	8.4	17.2	

1992 UB a, e, i = 3.07, 0.58, 16 Elements *MPC* 29917

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	16 39.28	−18 59.3	1.785	2.787	169.6	3.8	19.8
1997 06 01	16 27.55	−19 19.6	1.711	2.724	176.7	1.2	19.5
1997 06 11	16 15.04	−19 40.9	1.666	2.661	165.1	5.6	19.7
1997 06 21	16 03.01	−20 03.8	1.649	2.596	153.0	10.3	19.8
1997 07 01	15 52.59	−20 29.7	1.657	2.530	141.1	14.6	19.9
1997 07 11	15 44.73	−21 00.1	1.685	2.464	129.9	18.5	20.0
1997 07 21	15 39.98	−21 36.7	1.728	2.396	119.4	21.7	20.1
1997 07 31	15 38.57	−22 20.4	1.780	2.328	109.7	24.2	20.2
1997 08 10	15 40.51	−23 11.3	1.838	2.259	100.8	26.2	20.3
1997 08 20	15 45.68	−24 08.7	1.897	2.189	92.5	27.5	20.3

1997 08 30	15 53.89	−25 11.5	1.954	2.119	85.0	28.3	20.3
1997 09 09	16 05.01	−26 18.1	2.006	2.049	78.0	28.7	20.3
1997 09 19	16 18.90	−27 26.5	2.051	1.978	71.6	28.8	20.3
1997 09 29	16 35.46	−28 34.0	2.089	1.908	65.7	28.6	20.3
1997 10 09	16 54.65	−29 38.0	2.117	1.838	60.2	28.1	20.2

1996 SK a, e, i = 2.43, 0.80, 2 Elements *MPC* 29925

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	18 07.53	−20 20.4	1.114	2.050	149.1	14.7	19.6
1997 06 01	17 46.39	−20 13.2	1.158	2.150	163.5	7.7	19.5
1997 06 11	17 25.86	−20 01.2	1.232	2.247	176.3	1.7	19.4
1997 06 21	17 07.97	−19 47.2	1.337	2.339	167.7	5.3	19.9
1997 07 01	16 53.89	−19 34.9	1.469	2.429	155.0	10.2	20.4
1997 07 11	16 43.96	−19 27.4	1.626	2.515	143.2	14.0	20.9
1997 07 21	16 38.01	−19 26.1	1.803	2.599	132.3	16.8	21.2
1997 07 31	16 35.53	−19 30.8	1.996	2.679	122.2	18.7	21.6
1997 08 10	16 36.00	−19 40.7	2.201	2.757	112.8	19.8	21.9

103P/Hartley 2 Elements *MPC* 29880

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 05 22	19 57.82	−04 28.7	2.013	2.656	119.1	19.5	18.5	22.1
1997 06 01	19 58.12	−03 02.5	1.830	2.576	127.5	18.2	18.0	21.8
1997 06 11	19 55.81	−01 37.4	1.662	2.494	136.0	16.4	17.5	21.5
1997 06 21	19 50.64	−00 16.9	1.512	2.411	144.3	14.2	17.0	21.1
1997 07 01	19 42.54	+00 54.1	1.381	2.326	151.6	12.0	16.5	20.8
1997 07 11	19 31.73	+01 49.5	1.274	2.241	155.9	10.7	16.0	20.5
1997 07 21	19 18.99	+02 23.2	1.190	2.154	154.8	11.6	15.5	20.3
1997 07 31	19 05.52	+02 30.4	1.130	2.065	148.6	14.8	15.1	20.2
1997 08 10	18 52.86	+02 09.8	1.091	1.976	139.6	19.4	14.6	20.1
1997 08 20	18 42.59	+01 23.9	1.070	1.886	129.8	24.4	14.2	20.2
1997 08 30	18 35.87	+00 18.4	1.062	1.795	120.1	29.1	13.7	20.2
1997 09 09	18 33.48	−01 00.1	1.061	1.704	110.9	33.5	13.3	20.2
1997 09 19	18 35.72	−02 25.0	1.063	1.613	102.5	37.4	12.8	20.2
1997 09 29	18 42.61	−03 50.9	1.064	1.524	95.0	40.9	12.3	20.2
1997 10 09	18 54.12	−05 13.7	1.059	1.436	88.4	44.1	11.8	20.1
1997 10 19	19 10.12	−06 29.6	1.048	1.352	82.7	47.0	11.2	20.0
1997 10 29	19 30.57	−07 35.8	1.030	1.272	77.9	49.8	10.7	19.9
1997 11 08	19 55.52	−08 29.4	1.003	1.199	74.0	52.5	10.1	19.8
1997 11 18	20 25.03	−09 07.6	0.970	1.136	70.9	55.3	9.5	19.7
1997 11 28	20 59.21	−09 27.3	0.932	1.086	68.9	57.9	9.1	19.6
1997 12 08	21 38.15	−09 24.9	0.893	1.051	67.8	60.2	8.7	19.5
1997 12 18	22 21.70	−08 56.5	0.858	1.033	67.8	61.9	8.4	19.4
1997 12 28	23 09.37	−07 58.4	0.832	1.035	69.0	62.5	8.4	19.4
1998 01 07	00 00.15	−06 28.7	0.820	1.056	71.0	61.7	8.5	19.4
1998 01 17	00 52.35	−04 30.7	0.827	1.095	73.8	59.7	8.9	19.4
1998 01 27	01 43.99	−02 13.2	0.858	1.148	76.7	56.6	9.4	19.5
1998 02 06	02 33.32	+00 10.8	0.912	1.213	79.3	53.0	10.0	19.7
1998 02 16	03 19.14	+02 28.3	0.990	1.287	81.2	49.3	10.7	19.9
1998 02 26	04 00.99	+04 30.2	1.088	1.368	82.2	45.8	11.4	20.1
1998 03 08	04 39.00	+06 11.7	1.206	1.453	82.1	42.6	12.2	20.4
1998 03 18	05 13.49	+07 31.2	1.340	1.541	81.2	39.7	12.9	20.6
1998 03 28	05 44.96	+08 29.4	1.487	1.631	79.4	37.0	13.6	20.9
1998 04 07	06 13.87	+09 07.9	1.645	1.722	76.9	34.5	14.3	21.2
1998 04 17	06 40.58	+09 28.6	1.812	1.813	74.0	32.2	15.0	21.4
1998 04 27	07 05.46	+09 33.7	1.985	1.903	70.5	29.9	15.6	21.7
1998 05 07	07 28.76	+09 25.0	2.163	1.993	66.7	27.7	16.2	21.9
1998 05 17	07 50.68	+09 04.2	2.344	2.082	62.6	25.5	16.7	22.1
1998 05 27	08 11.43	+08 33.2	2.524	2.170	58.3	23.4	17.2	22.3
1998 06 06	08 31.12	+07 53.1	2.704	2.257	53.7	21.3	17.7	22.5

1992 LR a, e, i = 1.83, 0.41, 2 Elements *MPC* 29916

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	20 12.02	−17 07.4	0.305	1.192	119.5	47.6	17.6
1997 06 01	21 06.01	−12 07.8	0.268	1.154	115.2	52.7	17.4
1997 06 11	22 02.48	−05 50.7	0.247	1.122	109.5	58.6	17.3
1997 06 21	22 57.33	+00 49.9	0.242	1.099	103.7	63.9	17.4
1997 07 01	23 47.00	+06 52.7	0.248	1.085	99.4	67.6	17.5
1997 07 11	00 29.48	+11 43.1	0.262	1.082	97.3	68.8	17.7
1997 07 21	01 04.50	+15 17.7	0.279	1.088	97.5	67.8	17.8
1997 07 31	01 32.43	+17 47.5	0.296	1.105	99.8	64.8	17.9
1997 08 10	01 53.36	+19 23.2	0.311	1.131	104.2	60.4	17.9
1997 08 20	02 07.34	+20 12.7	0.324	1.165	110.3	54.5	17.9
1997 08 30	02 14.21	+20 20.2	0.335	1.205	118.4	47.5	17.8
1997 09 09	02 13.78	+19 45.7	0.346	1.251	128.3	39.2	17.7
1997 09 19	02 06.77	+18 30.6	0.361	1.301	140.0	29.8	17.7
1997 09 29	01 54.92	+16 41.0	0.383	1.355	153.0	19.6	17.6
1997 10 09	01 40.99	+14 31.4	0.419	1.410	166.6	9.5	17.5
1997 10 19	01 28.17	+12 24.1	0.471	1.466	177.0	2.1	17.4
1997 10 29	01 18.62	+10 38.1	0.540	1.523	166.3	8.9	18.2
1997 11 08	01 13.36	+09 24.3	0.626	1.580	154.8	15.5	18.8
1997 11 18	01 12.43	+08 44.4	0.729	1.637	144.3	20.6	19.4
1997 11 28	01 15.23	+08 34.7	0.846	1.692	134.8	24.4	19.9
1997 12 08	01 21.16	+08 49.5	0.975	1.747	126.1	27.1	20.4
1997 12 18	01 29.58	+09 23.4	1.114	1.801	118.1	28.8	20.8
1997 12 28	01 39.96	+10 11.2	1.262	1.853	110.5	29.8	21.1

1997 GC$_{32}$ a, e, i = 2.03, 0.66, 6 Elements *MPC* 29935

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	V
1997 05 22	21 28.63	+22 16.6	0.174	1.022	88.2	82.0	17.6
1997 05 27	22 55.97	+28 08.8	0.184	0.971	71.6	98.0	18.3
1997 06 01	00 13.17	+30 13.8	0.213	0.922	58.8	109.9	19.1
1997 06 06	01 11.43	+29 58.6	0.255	0.875	50.5	116.5	19.8
1997 06 11	01 53.80	+28 52.8	0.306	0.831	45.7	119.0	20.3
1997 06 16	02 25.78	+27 38.8	0.364	0.792	43.3	118.3	20.5
1997 06 21	02 51.52	+26 31.0	0.426	0.758	42.3	115.4	20.6

P/1996 N2 (Elst-Pizarro) Elements *MPC* 27882

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 06 01	02 13.68	+12 36.7	3.849	3.075	35.1	10.9	19.8	21.0
1997 06 11	02 26.93	+13 40.6	3.781	3.092	41.3	12.5	19.8	21.1
1997 06 21	02 39.72	+14 38.7	3.701	3.108	47.6	14.0	19.8	21.1
1997 07 01	02 51.96	+15 30.9	3.611	3.125	54.1	15.3	19.7	21.1
1997 07 11	03 03.52	+16 16.8	3.510	3.141	60.7	16.4	19.7	21.1
1997 07 21	03 14.25	+16 56.4	3.401	3.157	67.6	17.3	19.7	21.1
1997 07 31	03 23.99	+17 29.4	3.285	3.173	74.8	18.0	19.6	21.0
1997 08 10	03 32.55	+17 55.8	3.163	3.189	82.3	18.4	19.5	21.0
1997 08 20	03 39.72	+18 15.7	3.039	3.205	90.1	18.4	19.5	20.9

1997 08 30	03 45.28	+18 28.8	2.914	3.221	98.4	18.1	19.4	20.8
1997 09 09	03 48.99	+18 35.2	2.791	3.236	107.3	17.3	19.3	20.7
1997 09 19	03 50.65	+18 34.8	2.675	3.252	116.6	16.0	19.3	20.6
1997 09 29	03 50.11	+18 27.6	2.570	3.267	126.5	14.3	19.2	20.4
1997 10 09	03 47.34	+18 13.5	2.480	3.282	137.1	12.0	19.1	20.3
1997 10 19	03 42.48	+17 53.0	2.409	3.297	148.2	9.2	19.1	20.1
1997 10 29	03 35.86	+17 26.9	2.362	3.312	159.7	6.0	19.1	19.9
1997 11 08	03 28.07	+16 56.8	2.343	3.326	171.5	2.5	19.1	19.7
1997 11 18	03 19.87	+16 25.3	2.354	3.341	175.7	1.3	19.1	19.7
1997 11 28	03 12.05	+15 55.5	2.395	3.355	164.0	4.6	19.2	19.9
1997 12 08	03 05.35	+15 30.3	2.466	3.369	152.3	7.8	19.2	20.2
1997 12 18	03 00.32	+15 12.4	2.562	3.382	140.9	10.6	19.3	20.4
1997 12 28	02 57.26	+15 03.3	2.680	3.396	129.9	12.8	19.5	20.6
1998 01 07	02 56.32	+15 03.5	2.815	3.409	119.5	14.5	19.6	20.7
1998 01 17	02 57.45	+15 12.8	2.963	3.422	109.7	15.7	19.7	20.9
1998 01 27	03 00.51	+15 30.1	3.119	3.435	100.3	16.4	19.8	21.0
1998 02 06	03 05.33	+15 54.3	3.280	3.447	91.4	16.6	20.0	21.2
1998 02 16	03 11.69	+16 23.8	3.440	3.459	82.8	16.5	20.1	21.3
1998 02 26	03 19.40	+16 57.2	3.598	3.471	74.7	16.0	20.2	21.4
1998 03 08	03 28.28	+17 33.2	3.751	3.483	66.9	15.2	20.3	21.4
1998 03 18	03 38.16	+18 10.4	3.895	3.494	59.3	14.2	20.4	21.5
1998 03 28	03 48.90	+18 47.7	4.029	3.505	52.0	13.0	20.5	21.5
1998 04 07	04 00.35	+19 24.1	4.152	3.515	44.9	11.6	20.6	21.5
1998 04 17	04 12.40	+19 58.7	4.262	3.526	38.0	10.1	20.6	21.5
1998 04 27	04 24.95	+20 30.7	4.357	3.536	31.3	8.5	20.7	21.5

128P/Shoemaker-Holt 1 Elements *MPC* 27883

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 06 01	02 25.33	+14 44.9	4.009	3.192	31.8	9.6	16.6	20.2
1997 06 11	02 39.66	+15 45.9	3.918	3.176	37.7	11.3	16.5	20.2
1997 06 21	02 53.83	+16 42.0	3.816	3.161	43.8	12.8	16.4	20.2
1997 07 01	03 07.78	+17 32.4	3.705	3.147	49.9	14.3	16.3	20.1
1997 07 11	03 21.38	+18 17.0	3.586	3.134	56.1	15.6	16.2	20.1
1997 07 21	03 34.51	+18 55.2	3.459	3.122	62.4	16.8	16.1	20.1
1997 07 31	03 47.04	+19 27.0	3.326	3.110	69.0	17.7	16.0	20.0
1997 08 10	03 58.77	+19 52.1	3.189	3.100	75.8	18.5	15.9	19.9
1997 08 20	04 09.52	+20 10.6	3.048	3.090	82.9	19.0	15.8	19.8
1997 08 30	04 19.08	+20 22.5	2.907	3.081	90.3	19.1	15.7	19.7
1997 09 09	04 27.18	+20 27.9	2.766	3.074	98.1	18.9	15.6	19.6
1997 09 19	04 33.60	+20 27.1	2.629	3.067	106.3	18.3	15.5	19.5
1997 09 29	04 38.07	+20 20.3	2.499	3.061	115.1	17.2	15.3	19.3
1997 10 09	04 40.38	+20 07.9	2.379	3.056	124.4	15.6	15.2	19.2
1997 10 19	04 40.41	+19 50.2	2.272	3.052	134.3	13.5	15.1	19.0
1997 10 29	04 38.16	+19 27.8	2.184	3.050	144.8	10.8	15.0	18.8
1997 11 08	04 33.86	+19 01.4	2.117	3.048	155.8	7.7	15.0	18.6
1997 11 18	04 27.98	+18 32.5	2.075	3.047	167.1	4.2	14.9	18.4
1997 11 28	04 21.22	+18 03.0	2.062	3.047	176.5	1.1	14.9	18.2
1997 12 08	04 14.41	+17 35.3	2.077	3.049	168.4	3.7	14.9	18.4
1997 12 18	04 08.44	+17 12.2	2.121	3.051	157.0	7.2	15.0	18.6
1997 12 28	04 03.97	+16 55.8	2.190	3.054	145.8	10.4	15.1	18.8
1998 01 07	04 01.49	+16 47.5	2.283	3.059	135.1	13.1	15.1	19.0
1998 01 17	04 01.25	+16 47.7	2.394	3.064	124.8	15.3	15.3	19.2
1998 01 27	04 03.25	+16 55.8	2.519	3.070	115.2	16.9	15.4	19.3
1998 02 06	04 07.41	+17 10.7	2.655	3.078	106.1	17.9	15.5	19.5
1998 02 16	04 13.53	+17 30.7	2.797	3.086	97.5	18.5	15.6	19.6
1998 02 26	04 21.41	+17 54.2	2.944	3.095	89.4	18.7	15.8	19.8
1998 03 08	04 30.82	+18 19.5	3.091	3.105	81.6	18.4	15.9	19.9
1998 03 18	04 41.54	+18 44.9	3.236	3.116	74.2	17.9	16.0	19.9
1998 03 28	04 53.39	+19 09.0	3.377	3.128	67.2	17.1	16.1	20.0
1998 04 07	05 06.17	+19 30.5	3.513	3.141	60.4	16.1	16.2	20.1
1998 04 17	05 19.73	+19 48.4	3.642	3.155	53.8	14.9	16.3	20.1
1998 04 27	05 33.91	+20 01.9	3.763	3.169	47.4	13.5	16.4	20.2
1998 05 07	05 48.58	+20 10.1	3.874	3.185	41.1	12.0	16.5	20.2
1998 05 17	06 03.62	+20 12.6	3.975	3.201	35.0	10.5	16.5	20.2

104P/Kowal 2 Elements *MPC* 25183

Date TT	α_{2000}	δ_{2000}	Δ	r	ϵ	ϕ	m_1	m_2
1997 06 11	22 47.47	+10 20.9	2.603	2.838	92.7	20.9	19.1	22.4
1997 06 21	22 53.47	+12 05.4	2.416	2.774	99.7	21.2	18.8	22.2
1997 07 01	22 58.02	+13 48.3	2.234	2.710	107.0	21.0	18.6	21.9
1997 07 11	23 00.85	+15 27.2	2.058	2.646	114.4	20.5	18.3	21.7
1997 07 21	23 01.65	+16 59.1	1.893	2.581	122.1	19.5	18.0	21.4
1997 07 31	23 00.14	+18 19.8	1.740	2.515	129.9	18.0	17.7	21.1
1997 08 10	22 56.13	+19 23.8	1.601	2.448	137.7	16.2	17.4	20.8
1997 08 20	22 49.65	+20 04.5	1.481	2.381	145.0	14.1	17.1	20.5
1997 08 30	22 41.04	+20 15.5	1.380	2.314	150.6	12.4	16.8	20.3
1997 09 09	22 31.09	+19 51.5	1.302	2.246	153.0	11.7	16.6	20.0
1997 09 19	22 21.04	+18 52.0	1.246	2.178	150.8	13.0	16.4	19.9
1997 09 29	22 12.28	+17 21.8	1.211	2.111	144.9	15.9	16.2	19.9
1997 10 09	22 06.12	+15 30.7	1.197	2.044	136.8	19.5	16.0	19.9
1997 10 19	22 03.51	+13 31.6	1.200	1.977	128.1	23.3	15.9	20.0
1997 10 29	22 04.88	+11 36.2	1.216	1.911	119.5	26.9	15.7	20.0
1997 11 08	22 10.35	+09 54.0	1.240	1.847	111.3	30.0	15.6	20.1
1997 11 18	22 19.72	+08 31.2	1.271	1.784	103.6	32.6	15.5	20.2
1997 11 28	22 32.69	+07 30.7	1.304	1.724	96.7	34.6	15.4	20.2
1997 12 08	22 48.92	+06 53.7	1.338	1.666	90.3	36.2	15.3	20.2
1997 12 18	23 08.06	+06 39.6	1.372	1.612	84.7	37.4	15.3	20.2
1997 12 28	23 29.79	+06 46.6	1.404	1.562	79.6	38.3	15.2	20.2
1998 01 07	23 53.88	+07 12.5	1.436	1.517	75.1	38.8	15.1	20.2
1998 01 17	00 20.06	+07 53.8	1.467	1.479	71.1	39.0	15.0	20.2
1998 01 27	00 48.11	+08 46.9	1.498	1.446	67.7	39.0	15.0	20.2
1998 02 06	01 17.83	+09 47.6	1.530	1.422	64.6	38.8	15.0	20.2
1998 02 16	01 48.98	+10 51.2	1.565	1.405	62.0	38.4	14.9	20.2
1998 02 26	02 21.32	+11 53.1	1.603	1.397	59.8	37.8	15.0	20.3
1998 03 08	02 54.60	+12 48.9	1.646	1.398	57.8	36.9	15.0	20.3
1998 03 18	03 28.47	+13 34.3	1.695	1.408	56.1	35.9	15.1	20.4
1998 03 28	04 02.63	+14 06.2	1.751	1.426	54.5	34.8	15.3	20.4
1998 04 07	04 36.73	+14 22.0	1.814	1.453	53.0	33.4	15.4	20.5
1998 04 17	05 10.40	+14 20.6	1.885	1.486	51.6	31.9	15.6	20.6
1998 04 27	05 43.37	+14 01.5	1.964	1.526	50.0	30.3	15.8	20.7
1998 05 07	06 15.39	+13 25.6	2.051	1.572	48.3	28.6	16.0	20.8
1998 05 17	06 46.24	+12 34.0	2.145	1.623	46.5	26.8	16.3	20.9
1998 05 27	07 15.82	+11 28.6	2.245	1.678	44.4	25.0	16.5	21.0
1998 06 06	07 44.07	+10 11.3	2.350	1.736	42.1	23.1	16.8	21.1
1998 06 16	08 10.97	+08 44.2	2.459	1.797	39.6	21.1	17.0	21.3
1998 06 26	08 36.57	+07 09.3	2.570	1.860	36.9	19.1	17.2	21.4

1998 07 06	09 00.93	+05 28.3	2.683	1.925	33.9	17.1	17.5	21.5
1998 07 16	09 24.13	+03 42.9	2.795	1.991	30.7	15.1	17.7	21.6

OPPOSITION DATA

Planet	Opposition	α_{2000}	δ_{2000}	V	$\dot{\alpha}$	$\dot{\delta}$	$\phi_{\rm MIN}$	*MPC*
1981 ES_{39}	97 04 22.0	13 59.19	−14 09.1	20.3	−0.80	+ 4.4	0.6/22.6	22430
1981 EY_6	97 04 22.1	13 59.94	−27 55.9	19.6	−0.85	+ 3.6	4.3/26.8	26916
(7657)	97 04 22.2	14 00.03	−11 39.4	17.4	−0.83	+ 3.6	0.2/22.1	29901
1981 UU_{29}	97 04 22.3	14 00.62	−13 29.5	19.1	−1.02	+ 5.8	0.4/22.7	29654
1985 XA	97 04 22.3	14 00.67	+32 24.5	16.5	−1.51	− 8.3	21.6/13.9	29911
1990 RO_7	97 04 22.4	14 01.05	−08 03.9	17.9	−0.87	+ 5.6	1.5/21.2	24761
1994 NS	97 04 22.4	14 01.08	−10 12.5	15.8	−0.90	+11.1	1.0/21.8	29945
1994 PZ_{29}	97 04 22.5	14 01.04	−14 56.7	17.8	−0.98	+ 6.3	0.9/23.3	25083
1991 VR_1	97 04 22.5	14 01.32	−21 17.1	17.6	−0.98	+ 4.5	2.9/25.1	26758
1994 UM_1	97 04 22.6	14 01.69	−15 55.4	16.3	−0.92	+ 5.8	1.3/23.7	26422
1993 BX_{13}	97 04 22.6	14 01.72	−08 32.0	17.7	−0.97	+ 7.0	1.4/21.5	27730
1981 EV_{18}	97 04 22.6	14 01.74	−11 43.2	18.2	−0.77	+ 5.6	0.2/22.5	29940
1981 EY_{22}	97 04 22.6	14 01.76	−08 14.3	17.6	−0.94	+ 7.6	2.0/21.4	26919
1974 PC	97 04 22.7	14 01.96	+22 44.3	19.2	−0.97	+ 6.7	11.2/09.7	27323
1994 RN_7	97 04 22.8	14 02.15	−16 40.6	18.7	−0.88	+ 3.8	1.4/24.0	24233
1993 FR_{12}	97 04 22.8	14 02.16	−06 05.5	16.1	−0.93	+ 4.1	2.6/21.1	26173
1969 TM_1	97 04 22.8	14 02.41	−10 40.8	17.4	−1.02	+ 2.8	0.6/22.4	29939
1990 VC_{15}	97 04 22.9	14 02.71	−09 02.4	16.4	−0.83	+ 5.4	1.1/21.9	27934
1988 KA	97 04 23.0	14 02.95	−06 12.6	15.7	−1.09	+ 4.8	2.8/21.3	29941
1989 SW_2	97 04 23.0	14 03.00	−04 16.8	16.1	−0.84	+ 2.7	3.2/20.8	29134
(6931)	97 04 23.0	14 03.32	−09 01.0	16.7	−0.84	+ 1.9	1.0/22.2	26897
1993 FH_{38}	97 04 23.1	14 03.44	−07 38.9	17.2	−0.94	+ 5.8	1.8/21.7	29944
(6679)	97 04 23.1	14 03.58	−11 12.7	16.3	−1.10	+ 2.6	0.6/22.8	26147
1995 UT_4	97 04 23.1	14 03.68	−03 31.2	16.4	−1.05	0.0	3.3/21.2	29946
1994 WQ_3	97 04 23.4	14 04.55	−03 40.8	16.5	−0.76	+ 5.9	2.7/20.6	26745
1978 VT_9	97 04 23.4	14 04.62	−09 58.3	19.0	−1.07	+ 4.2	1.0/22.8	22270
(7626)	97 04 23.4	14 04.71	−11 59.8	17.1	−0.81	+ 2.0	0.2/23.3	29893
(7665)	97 04 23.5	14 04.77	−07 30.7	17.0	−0.81	+ 4.2	1.7/22.0	29903
1985 VK	97 04 23.5	14 04.96	−03 13.9	16.9	−0.83	+ 3.4	2.8/20.9	29655
3289 T-2	97 04 23.5	14 04.98	−02 12.6	16.7	−0.73	+ 6.1	3.2/20.2	29669
1990 VS_5	97 04 23.6	14 05.30	+02 23.5	18.1	−0.84	+ 3.2	4.5/19.4	26925
1994 UJ_2	97 04 23.6	14 05.51	−03 51.3	17.4	−0.84	+ 1.7	2.5/21.4	29138
1995 XG	97 04 23.7	14 05.97	−11 58.7	18.0	−1.06	+ 4.0	0.3/23.6	29946
(6826)	97 04 23.8	14 06.30	−07 32.6	16.9	−0.81	+ 3.9	1.7/22.4	26552
4604 P-L	97 04 23.8	14 06.33	−13 14.3	18.1	−1.03	+ 4.3	0.2/24.0	29948
(6829)	97 04 23.9	14 06.27	−10 28.8	17.2	−0.81	+ 4.8	0.7/23.2	26553
1994 PL_{11}	97 04 24.1	14 07.17	−22 31.5	17.6	−1.00	+ 4.6	3.8/26.8	27558
(6791)	97 04 24.1	14 07.36	−13 55.7	17.4	−0.94	+ 5.4	0.4/24.5	26389
1981 EA_{37}	97 04 24.1	14 07.42	−23 43.8	19.4	−1.04	+ 2.5	4.4/27.0	26921
1994 TS_3	97 04 24.2	14 07.60	−12 51.0	16.4	−1.00	+ 1.1	0.0/24.2	29945
1990 WK_2	97 04 24.4	14 08.20	−31 19.9	17.1	−0.93	+ 4.9	5.4/30.0	26925
1994 PU_2	97 04 24.4	14 08.38	−16 33.0	19.6	−0.93	+ 4.6	1.1/25.4	27313
1990 SG_{12}	97 04 24.5	14 08.58	−12 48.7	19.0	−0.88	+ 5.7	0.1/24.5	29913
1993 FB_{19}	97 04 24.5	14 08.81	−02 31.7	18.0	−0.89	+ 5.6	3.7/21.5	23523
(7642)	97 04 24.5	14 08.86	−14 58.2	17.2	−1.05	+ 3.9	0.7/25.1	29897
1990 SG_{11}	97 04 24.5	14 08.95	−12 19.7	17.0	−0.93	+ 6.2	0.3/24.4	29942
3101 T-3	97 04 24.6	14 09.33	−11 33.4	17.2	−1.10	+ 1.5	0.6/24.3	20347
1978 VT_4	97 04 24.7	14 09.51	−13 02.1	18.3	−0.78	+ 3.7	0.0/24.7	29939
1990 VE_1	97 04 24.8	14 09.66	+08 35.0	17.4	−0.83	+ 5.3	6.7/18.0	27728
1990 RT_8	97 04 24.8	14 09.76	−08 19.3	18.8	−0.94	+ 5.9	1.9/23.5	27710
1980 UL_1	97 04 24.8	14 10.05	−18 05.1	16.4	−0.84	+ 6.6	1.6/26.4	29653
1991 RH_{25}	97 04 24.8	14 10.06	−05 59.4	16.4	−1.03	+ 3.3	2.6/23.1	26925
1996 AT_7	97 04 24.9	14 10.10	+00 59.8	15.9	−0.86	+ 3.7	4.8/20.9	27938
1995 YH_3	97 04 24.9	14 10.27	+01 11.2	18.9	−0.97	+ 4.6	4.8/21.0	26574
1993 FY_{41}	97 04 24.9	14 10.31	−14 14.6	18.2	−0.98	+ 4.3	0.4/25.3	29944
1983 RB_2	97 04 24.9	14 10.33	+00 37.3	17.1	−0.86	+ 8.6	4.8/20.5	26578
(7653)	97 04 25.0	14 10.46	−13 24.2	15.7	−0.99	+ 6.3	0.1/25.1	29900
(6860)	97 04 25.0	14 10.81	−10 01.2	16.6	−0.77	+ 4.2	1.0/24.2	26731
2104 T-1	97 04 25.2	14 11.16	−14 25.4	16.8	−0.96	+ 3.0	0.6/25.5	29668
1990 AD	97 04 25.2	14 11.32	+08 38.6	17.1	−0.74	+ 2.4	5.4/18.9	29941
(7192)	97 04 25.2	14 11.39	−05 43.8	16.4	−0.70	+ 6.2	2.1/22.9	27902
2584 P-L	97 04 25.3	14 11.57	−11 48.7	19.4	−0.90	+ 5.6	0.5/24.9	29948
3039 T-2	97 04 25.3	14 11.69	−05 50.0	20.2	−0.87	+ 5.5	2.6/23.2	27928
1252 T-2	97 04 25.3	14 11.87	−14 43.6	20.1	−0.92	+ 4.0	0.5/25.8	26577
1978 SE_1	97 04 25.4	14 12.17	−03 49.9	18.0	−0.93	+ 3.5	3.1/22.9	27453
1993 FB_{32}	97 04 25.4	14 12.19	−08 34.4	17.5	−0.92	+ 5.5	1.6/24.1	24108
1991 AG_2	97 04 25.4	14 12.24	+05 03.8	19.2	−0.78	+ 5.2	4.8/19.8	17833
1981 EP_{13}	97 04 25.6	14 12.82	−23 01.1	17.0	−1.12	+ 4.7	4.1/28.1	23787
1993 FS_9	97 04 25.6	14 12.83	−03 07.4	17.6	−0.96	+ 5.7	3.6/22.7	29137
2108 T-2	97 04 25.8	14 13.41	−11 55.5	17.6	−0.95	+ 6.5	0.6/25.4	29949
1978 WU	97 04 25.8	14 13.75	−19 05.8	18.8	−0.91	+ 6.9	1.9/27.5	19012
1985 JG_2	97 04 25.9	14 13.99	−12 40.5	15.1	−0.96	+ 1.6	0.3/25.8	28612
(6767)	97 04 25.9	14 14.16	−17 11.1	16.1	−1.00	+ 1.4	1.3/27.0	26384
1989 WB_3	97 04 26.1	14 14.59	−04 13.5	17.2	−0.84	+ 1.9	2.9/23.7	24562
1981 EB_{25}	97 04 26.1	14 14.73	−02 51.7	18.7	−0.76	+ 7.1	3.3/22.7	26919
1995 YM	97 04 26.1	14 14.90	+14 45.3	15.8	−0.81	+ 0.4	10.2/18.1	29924
1988 VY_2	97 04 26.2	14 14.94	−03 54.5	15.8	−0.81	+ 1.6	2.7/23.7	29941
1990 VT_6	97 04 26.2	14 14.99	−09 49.0	18.5	−0.85	+ 5.2	1.2/25.2	25649
1993 NS_1	97 04 26.2	14 15.27	−01 17.8	19.0	−0.72	+ 3.5	2.9/22.7	24232
6628 P-L	97 04 26.3	14 15.49	−11 45.2	18.8	−0.95	+ 5.2	0.7/25.8	29948
(7147)	97 04 26.3	14 15.61	−16 52.8	17.8	−1.00	+ 4.7	1.3/27.0	27707
1990 UB_4	97 04 26.4	14 15.98	−05 49.5	18.2	−0.79	+ 6.7	2.4/24.1	24912
1993 FH_{20}	97 04 26.4	14 16.11	−16 18.7	18.0	−0.97	+ 5.1	0.9/27.2	27915
2175 P-L	97 04 26.5	14 16.11	−19 20.9	17.6	−0.95	+ 3.0	2.2/28.0	26761
1996 AB_1	97 04 26.6	14 16.42	−08 28.2	17.0	−0.82	+ 4.0	1.7/25.2	28618
1987 UT	97 04 26.7	14 16.98	−20 44.0	18.2	−1.05	+ 5.1	2.6/28.6	24239
1994 WC	97 04 26.7	14 17.02	−12 52.6	17.8	−1.13	+ 1.7	0.3/26.6	29945
1995 YE	97 04 26.7	14 17.06	−10 32.7	18.8	−0.93	+ 5.2	1.1/25.9	29924
(6821)	97 04 26.8	14 17.30	−26 40.5	15.9	−0.92	+ 7.6	4.4/30.9	26551
1990 QP_8	97 04 26.8	14 17.51	−14 42.7	18.5	−0.91	+ 4.5	0.3/27.1	23974
1994 UQ_1	97 04 26.9	14 17.73	−12 17.2	17.0	−0.90	+ 5.9	0.5/26.5	29945
1988 SH_2	97 04 26.9	14 17.97	+03 17.0	16.6	−0.79	+ 3.2	5.1/22.1	29656
1988 CH_3	97 04 27.0	14 17.97	−36 56.6	16.5	−0.95	+ 4.9	9.5/04.2	27932
1971 UN	97 04 27.0	14 18.37	−13 40.5	16.1	−1.06	+ 2.2	0.1/27.1	29652
1981 QR_3	97 04 27.0	14 18.38	−30 50.8	17.0	−1.15	− 0.2	6.5/30.8	29940
3306 T-1	97 04 27.1	14 18.41	−10 19.4	18.0	−0.96	+ 6.1	1.5/26.1	27732
1991 UE_1	97 04 27.1	14 18.77	−15 33.8	18.4	−0.96	+ 4.5	0.6/27.6	26562

1995 YT_2	97 04 27.2	14 18.85	−08 17.1	19.2	−0.90 + 3.6	1.7/25.8	26907
1994 PN_{25}	97 04 27.2	14 18.90	−09 45.3	17.0	−0.92 + 4.0	1.9/26.2	29138
1984 SD_6	97 04 27.2	14 19.12	−18 18.2	17.8	−1.08 + 3.1	1.6/28.4	25537
1996 AE	97 04 27.3	14 19.31	−17 10.5	18.0	−0.95 + 6.4	1.1/28.3	29946
(6862)	97 04 27.3	14 19.46	−20 34.8	15.9	−0.88 + 1.1	2.0/29.0	26732
1997 FT_1	97 04 27.4	14 19.67	+05 30.0	18.9	−0.86 + 3.4	6.1/22.0	29647
1994 PS_{10}	97 04 27.5	14 20.08	−17 36.7	18.3	−1.01 + 4.5	1.3/28.5	24748
1984 UW	97 04 27.5	14 20.26	−21 17.1	18.7	−0.83 + 4.0	1.9/29.6	21969
1993 FP_{10}	97 04 27.6	14 20.40	−08 32.5	17.9	−0.94 + 4.9	2.0/26.2	26564
1995 XS_1	97 04 27.6	14 20.55	−14 39.7	17.8	−0.95 + 5.1	0.2/27.8	26761
1981 EV_{28}	97 04 27.7	14 20.70	−12 14.7	18.6	−0.76 + 6.8	0.5/27.2	29940
3197 T-3	97 04 27.7	14 20.74	−11 39.5	18.0	−0.76 + 3.4	0.6/27.1	22088
1994 PW_{26}	97 04 27.7	14 20.87	−01 04.9	19.0	−0.78 + 4.5	3.5/24.1	29138
(6713)	97 04 27.7	14 20.93	−09 24.9	15.7	−0.82 +16.3	1.9/26.1	26155
(7531)	97 04 27.8	14 21.26	−12 41.5	16.1	−0.89 + 7.1	0.6/27.5	29294
1996 DE_2	97 04 27.9	14 21.43	−09 53.9	20.5	−0.75 + 3.8	1.1/26.7	27457
1994 WT_2	97 04 27.9	14 21.54	−13 20.4	17.3	−0.75 + 2.3	0.2/27.7	29945
1978 SD_3	97 04 27.9	14 21.57	−21 29.4	16.6	−1.15 + 2.8	3.4/29.6	27118
1992 EO_6	97 04 27.9	14 21.72	−11 53.0	18.7	−0.90 + 3.1	0.7/27.4	29943
1988 RO_{11}	97 04 28.1	14 22.42	−14 40.9	18.8	−0.78 + 3.6	0.1/28.3	29656
1996 AS_2	97 04 28.1	14 22.44	−14 07.1	17.2	−0.78 + 3.4	0.0/28.2	26749
1995 XD	97 04 28.1	14 22.45	−08 32.6	17.7	−0.98 + 2.6	2.0/26.8	26761
1990 WP_4	97 04 28.2	14 22.54	+00 17.9	16.4	−0.88 + 1.4	5.5/24.6	29658
(6878)	97 04 28.2	14 22.66	−08 07.5	16.5	−0.97 + 4.1	2.3/26.7	26735
1995 SS_{53}	97 04 28.2	14 22.82	−15 03.9	18.5	−1.04 + 3.9	0.3/28.5	26746
1989 TC_3	97 04 28.2	14 22.86	−05 14.4	17.8	−0.76 + 5.2	2.7/25.7	29941
1979 MA_4	97 04 28.3	14 22.91	−11 19.2	17.5	−0.70 + 4.3	0.8/27.5	27725
(7478)	97 04 28.3	14 23.27	−09 16.0	18.2	−0.82 + 4.1	1.6/27.0	29083
(7155)	97 04 28.4	14 23.27	+03 28.2	17.3	−0.77 + 3.2	5.4/23.4	27894
1990 TD_{12}	97 04 28.4	14 23.31	−16 44.3	19.1	−0.87 + 4.9	0.8/29.1	27711
1991 RM_2	97 04 28.5	14 23.67	−03 00.3	16.9	−0.96 + 7.3	4.1/25.2	28886
1987 SC_6	97 04 28.5	14 23.91	−12 48.2	16.7	−0.77 + 4.1	0.4/28.1	28613
1981 EA_{32}	97 04 28.6	14 24.02	−18 59.0	19.6	−0.77 + 6.0	1.3/30.0	26921
1978 TH_7	97 04 28.6	14 24.40	−00 57.7	17.0	−0.73 + 4.3	3.6/24.8	28882
1977 DD_1	97 04 28.7	14 24.68	−04 16.4	17.1	−1.00 + 5.7	3.9/26.0	27930
1994 VR	97 04 28.8	14 24.90	−11 58.0	18.3	−0.91 + 1.7	0.7/28.3	24585
1993 GO	97 04 28.8	14 25.02	−04 17.6	15.7	−1.09 − 4.2	4.8/27.2	29944
1981 EV_2	97 04 28.8	14 25.09	−21 46.6	17.7	−0.80 + 6.1	2.3/01.1	26915
1991 VF_7	97 04 28.9	14 25.37	−18 41.1	16.2	−0.92 + 7.0	1.7/30.2	26758
1989 YO_5	97 04 29.0	14 25.79	−10 53.9	15.7	−0.78 + 3.3	1.2/28.1	29941
1993 FT_7	97 04 29.0	14 25.96	−04 51.2	18.0	−0.92 + 5.8	3.5/26.4	23522
1993 FN_6	97 04 29.1	14 25.97	−18 47.3	17.9	−1.06 + 0.9	1.9/30.1	29616
1986 XT	97 04 29.1	14 25.98	−18 02.5	18.4	−0.94 + 3.9	1.1/30.0	29940
1995 VE	97 04 29.1	14 26.37	−17 41.6	18.2	−1.09 + 3.9	1.3/30.0	29946
1988 RX_{12}	97 04 29.2	14 26.29	−08 33.4	17.6	−0.74 + 6.0	1.7/27.4	28884
1990 VL_1	97 04 29.2	14 26.63	−19 05.1	17.8	−0.91 + 6.8	1.5/30.6	29942
(6926)	97 04 29.2	14 26.75	−31 26.2	17.4	−1.03 + 2.1	5.2/03.5	26896
(7677)	97 04 29.3	14 26.96	−10 25.8	17.4	−0.94 + 4.8	1.5/28.3	29906
1173 T-2	97 04 29.3	14 27.05	−23 54.1	19.4	−0.90 + 2.0	2.8/01.7	22701
1995 WL_4	97 04 29.3	14 27.09	−09 03.5	18.5	−0.93 + 4.7	1.9/27.9	29627
(7680)	97 04 29.3	14 27.10	−12 40.8	17.5	−0.82 + 6.1	0.5/28.9	29907
1997 GQ_6	97 04 29.4	14 27.31	−16 32.0	18.2	−1.00 + 3.0	0.7/29.9	29931
1990 SV_{13}	97 04 29.4	14 27.39	−18 35.1	17.5	−0.97 + 3.1	1.4/30.5	29942
1990 QM	97 04 29.4	14 27.48	−09 54.8	15.8	−0.92 + 5.7	2.0/28.2	28885
1997 GX_5	97 04 29.4	14 27.49	−10 51.0	18.4	−0.94 + 4.0	1.6/28.5	29931
1991 AC	97 04 29.6	14 27.83	−13 05.1	16.8	−0.85 + 3.2	0.5/29.2	29914
1996 BQ_2	97 04 29.6	14 28.23	+06 43.8	17.3	−0.67 + 3.6	5.5/23.3	28890
1991 RB_4	97 04 29.7	14 28.19	−22 45.2	17.3	−1.05 + 3.5	3.3/01.7	26758
1997 GZ_6	97 04 29.8	14 28.57	−14 02.0	18.1	−1.02 + 2.7	0.3/29.7	29931
1994 PD_{18}	97 04 29.8	14 28.59	−03 42.1	17.6	−0.89 + 6.7	4.6/26.6	29945
1993 FQ_8	97 04 29.8	14 28.76	−15 56.7	17.1	−1.08 + 1.8	0.5/30.1	29918
3338 T-1	97 04 29.8	14 28.79	−15 36.8	18.0	−0.94 + 2.2	0.5/30.1	29948
1053 T-2	97 04 29.8	14 28.84	−13 58.1	18.2	−0.88 + 4.5	0.2/29.7	29949
1990 WA_5	97 04 29.8	14 28.99	−04 11.0	16.7	−0.84 + 3.8	3.7/27.1	29942
1980 TT_3	97 04 29.9	14 29.35	−22 29.1	17.5	−1.08 + 2.7	2.8/01.8	28611
1987 RL_1	97 04 30.0	14 29.57	−12 21.2	18.0	−1.04 + 5.2	1.0/29.4	29941
1989 GU_3	97 04 30.1	14 29.72	−19 38.6	16.7	−0.93 + 5.9	2.0/01.4	29912
1987 DB_6	97 04 30.1	14 30.00	−03 25.2	18.0	−0.81 + 4.7	3.4/27.0	29940
(6828)	97 04 30.1	14 30.02	+02 28.0	17.6	−0.84 + 3.0	5.0/25.6	26553
1990 OL_4	97 04 30.1	14 30.04	−24 03.6	17.1	−1.02 + 5.2	3.3/02.6	26757
1996 BX	97 04 30.2	14 30.34	−10 36.8	17.8	−0.83 + 3.4	1.4/29.2	29947
1995 WA_8	97 04 30.2	14 30.50	−20 51.4	18.2	−1.12 + 3.4	2.3/01.7	29665
(3192)	97 04 30.2	14 30.53	−13 09.4	15.9	−1.01 + 3.1	0.7/29.9	29889
(7675)	97 04 30.3	14 30.49	−16 38.5	17.2	−1.03 + 2.3	0.8/30.7	29905
1997 GQ_7	97 04 30.3	14 30.57	−11 45.9	16.9	−0.95 + 0.7	0.9/29.6	29932
1988 UV	97 04 30.3	14 30.73	−13 11.8	16.7	−0.96 + 8.1	0.6/29.9	17207
9534 P-L	97 04 30.3	14 30.73	−10 08.1	16.6	−0.87 + 5.9	2.1/29.0	29937
1992 LF	97 04 30.3	14 30.76	+10 54.0	17.5	−0.69 + 4.6	6.4/22.2	28586
(6879)	97 04 30.3	14 30.79	−03 27.7	17.4	−0.75 + 2.9	3.0/27.3	26736
(7494)	97 04 30.3	14 30.88	−26 00.1	16.0	−0.83 + 4.9	3.6/03.6	29088
(7639)	97 04 30.3	14 30.88	−13 54.5	17.2	−0.77 + 3.8	0.3/30.1	29896
(6736)	97 04 30.4	14 30.96	−12 35.0	16.8	−1.01 + 3.4	0.9/29.9	26161
1997 GO_6	97 04 30.4	14 31.07	−14 49.9	17.5	−0.79 + 3.8	0.0/30.4	29948
1137 T-1	97 04 30.4	14 31.28	−20 18.1	16.5	−1.09 + 5.5	2.3/01.9	26929
1996 CL_2	97 04 30.4	14 31.29	−25 36.9	16.7	−0.92 + 1.2	3.1/03.1	29139
1993 FU_7	97 04 30.5	14 31.25	−09 35.2	17.8	−1.02 + 4.4	2.1/29.2	29944
1988 VS_1	97 04 30.5	14 31.30	−09 42.5	16.9	−1.06 + 4.7	2.0/29.2	29941
(7678)	97 04 30.5	14 31.58	−26 27.6	18.2	−0.86 + 2.2	3.4/03.5	29906
(7634)	97 04 30.5	14 31.61	−11 52.4	18.5	−0.75 + 3.4	0.8/29.8	29895
1981 QK	97 04 30.5	14 31.63	−21 49.5	17.6	−1.14 + 3.0	2.7/02.0	21968
1991 RN_{13}	97 04 30.6	14 31.66	−21 32.7	16.8	−1.08 + 6.0	2.9/02.0	29943
1988 RY_2	97 04 30.6	14 31.73	−08 08.9	18.1	−0.73 + 5.6	1.9/28.6	29912
(7635)	97 04 30.6	14 31.74	−03 54.8	16.3	−0.79 + 1.9	3.1/27.9	29895
1997 GM_{22}	97 04 30.7	14 32.00	−18 41.4	17.4	−1.07 0.0	1.4/01.5	29934
(7483)	97 04 30.7	14 32.01	−10 58.3	17.1	−0.77 + 3.0	1.1/29.7	29587
1997 GY_7	97 04 30.7	14 32.15	−12 44.4	18.0	−0.89 + 3.9	0.8/30.2	29932
1975 SE_1	97 04 30.7	14 32.19	−20 13.3	18.0	−1.15 + 0.7	2.1/01.8	26394
1997 GE_8	97 04 30.7	14 32.19	−15 22.8	18.2	−0.97 + 4.8	0.2/30.8	29933
1991 GB_3	97 04 30.7	14 32.32	−15 25.6	17.3	−0.78 + 3.5	0.2/30.9	29942
1997 GU_7	97 04 30.8	14 32.40	−11 11.0	18.5	−1.06 + 3.6	1.6/29.9	29932
1997 GZ_7	97 04 30.8	14 32.52	−14 36.5	18.3	−0.88 + 0.4	0.1/30.7	29932
3395 T-3	97 04 30.8	14 32.59	−09 12.0	17.0	−0.93 + 6.5	2.4/29.2	29949

1990 UG_4	97 04 30.8	14 32.76	−04 25.3	16.6	−0.78	+11.1	4.2/27.3	29612
(7647)	97 04 30.9	14 32.94	−10 23.1	17.5	−0.82	+ 3.5	1.5/29.7	29899
1997 GL_8	97 04 30.9	14 33.06	−17 34.6	17.1	−1.04	+ 2.2	1.1/01.5	29933
1986 UH_3	97 05 01.0	14 33.16	−16 07.6	18.7	−0.91	+ 4.3	0.3/01.3	29940
2600 P-L	97 05 01.0	14 33.29	−13 59.7	19.3	−0.96	+ 5.1	0.4/30.8	29948
(6753)	97 05 01.0	14 33.48	−20 59.9	15.3	−1.04	+ 4.8	2.7/02.6	26380
1994 PH_{18}	97 05 01.1	14 33.81	−10 44.3	17.7	−0.87	+ 5.6	2.1/30.0	29945
1995 UM_8	97 05 01.2	14 33.95	−16 33.9	18.1	−1.11	+ 2.7	0.6/01.5	29946
(7193)	97 05 01.2	14 33.97	−26 00.0	16.7	−0.88	+ 1.7	3.3/03.9	27902
1995 UL_8	97 05 01.2	14 34.05	−15 00.9	18.1	−1.03	+ 3.7	0.0/01.2	29626
1993 FV_{24}	97 05 01.2	14 34.11	−17 16.5	17.4	−0.91	+ 4.9	1.0/01.8	29944
4165 T-2	97 05 01.2	14 34.33	−09 14.4	18.4	−0.86	+ 5.2	2.0/29.7	29949
1994 UB	97 05 01.2	14 34.35	+01 41.5	17.3	−0.89	+ 7.8	7.5/26.0	29922
1993 OR_8	97 05 01.3	14 34.30	−11 02.6	19.3	−0.74	+ 3.6	1.0/30.2	29944
1997 GB_8	97 05 01.3	14 34.47	−13 25.5	18.7	−0.89	+ 4.6	0.7/30.9	29932
2532 P-L	97 05 01.3	14 34.58	−08 15.9	17.7	−0.77	+ 6.1	2.2/29.3	29668
1994 CY	97 05 01.3	14 34.68	−27 19.5	19.1	−0.78	+ 4.9	2.9/04.8	27121
1989 CE_5	97 05 01.3	14 34.74	−18 51.0	17.1	−0.94	+ 4.3	1.7/02.3	29941
1997 GD_8	97 05 01.4	14 34.77	−15 18.2	17.4	−0.93	+ 4.1	0.1/01.5	29932
1993 LU_1	97 05 01.4	14 34.81	−18 03.5	17.2	−0.87	+ 7.7	1.0/02.0	29944
(2163)	97 05 01.4	14 34.88	−11 41.9	16.8	−0.75	+ 3.5	0.9/30.5	29887
1997 GB_{23}	97 05 01.4	14 34.94	−11 30.3	18.5	−0.96	+ 2.9	1.3/30.6	29934
(3434)	97 05 01.4	14 35.08	−11 04.6	17.0	−0.91	+ 3.8	1.3/30.4	29889
4220 T-3	97 05 01.5	14 35.23	−22 18.0	18.4	−0.96	− 0.5	2.0/03.0	29131
1988 RD_1	97 05 01.6	14 35.45	−30 02.4	16.7	−0.89	+ 3.1	4.4/05.5	29941
1996 AO_1	97 05 01.6	14 35.46	−12 08.2	18.8	−0.98	+ 3.6	1.0/30.9	29946
(6789)	97 05 01.6	14 35.46	−04 52.5	17.2	−0.95	+ 4.8	3.7/28.9	26389
4033 T-1	97 05 01.6	14 35.83	−07 54.0	17.7	−0.92	+ 6.7	3.0/29.6	29938
1991 UF_1	97 05 01.6	14 35.87	−10 51.1	18.9	−0.97	+ 4.0	1.5/30.6	29943
(7205)	97 05 01.7	14 35.93	−17 44.3	15.1	−0.89	+ 4.6	1.0/02.4	29893
(4454)	97 05 01.7	14 36.17	−16 08.8	17.4	−0.76	+ 3.6	0.2/02.0	29890
4271 T-1	97 05 01.7	14 36.20	−15 51.3	17.3	−1.08	+ 1.1	10.2/12.0	29948
1992 DY_7	97 05 01.8	14 36.20	−12 17.6	17.4	−0.89	+ 3.2	1.1/01.1	29616
(6220)	97 05 01.8	14 36.20	−15 04.0	16.8	−0.76	+ 6.1	0.1/01.7	29892
1995 YE_6	97 05 01.8	14 36.49	−14 51.4	17.8	−0.90	+ 6.6	0.2/01.7	29946
(7690)	97 05 01.9	14 36.79	−11 49.3	16.7	−0.95	+ 3.2	1.3/01.1	29909
(3911)	97 05 01.9	14 36.81	−12 20.3	15.8	−0.75	+ 6.4	0.9/01.1	29889
(7612)	97 05 01.9	14 36.86	−02 07.1	16.4	−0.72	+ 4.3	3.7/28.2	29604
1991 XU	97 05 01.9	14 36.95	−34 40.8	15.7	−0.98	+ 5.9	7.6/07.8	29943
1997 HM_{10}	97 05 02.0	14 37.32	−14 16.7	18.5	−0.93	+ 5.7	0.5/01.8	29936
1997 GN_8	97 05 02.0	14 37.35	−16 58.7	18.2	−0.82	+ 2.3	0.5/02.5	29933
(7666)	97 05 02.1	14 37.59	−17 31.0	18.0	−0.91	+ 3.2	0.7/02.7	29903
4780 P-L	97 05 02.1	14 37.62	−10 36.2	18.3	−0.75	+ 4.8	1.5/30.8	29937
1981 EX_{38}	97 05 02.1	14 37.69	−25 33.3	16.8	−0.98	+ 6.1	4.2/04.9	29653
(6854)	97 05 02.2	14 37.77	−14 49.4	17.8	−0.94	+ 4.9	0.2/02.1	29892
(6731)	97 05 02.2	14 37.80	−20 32.4	17.5	−0.97	+ 3.6	1.7/03.5	26160
3424 T-3	97 05 02.2	14 38.06	−11 47.9	18.4	−0.88	+ 4.5	1.3/01.3	29939
1997 GX_{22}	97 05 02.3	14 38.52	−12 10.0	17.5	−0.92	+ 4.8	1.5/01.5	29934
4896 P-L	97 05 02.4	14 38.63	−11 45.6	18.7	−0.78	+ 3.5	1.0/01.5	29937
1991 RY_8	97 05 02.5	14 39.14	−19 09.6	17.2	−1.07	+ 3.5	1.4/03.4	29915
1981 EV_{35}	97 05 02.5	14 39.21	−37 03.1	19.1	−1.12	− 1.0	7.4/06.9	26921
1995 XS	97 05 02.5	14 39.27	−18 17.0	17.6	−1.02	+ 6.3	1.0/03.3	29924
1985 PS	97 05 02.6	14 39.35	−04 59.1	19.4	−0.84	+ 4.6	2.9/29.8	29940
1996 EJ_{14}	97 05 02.6	14 39.52	−36 02.5	18.7	−1.01	+ 0.8	6.2/07.4	29666
1991 BZ	97 05 02.6	14 39.66	−23 34.1	18.9	−0.86	+ 4.2	2.2/04.8	27934
1994 VT_6	97 05 02.6	14 39.69	−13 02.6	18.0	−0.82	+ 3.2	0.7/02.1	29945
1993 FV_{31}	97 05 02.7	14 39.74	−10 06.0	16.9	−0.95	+ 3.8	2.2/01.4	29944
1994 PH_{22}	97 05 02.7	14 39.79	−12 28.3	19.0	−0.85	+ 4.3	0.9/01.9	29945
1976 UN_2	97 05 02.7	14 39.91	−17 36.9	17.5	−1.09	+ 5.7	0.9/03.3	29909
1997 GK_{23}	97 05 02.8	14 40.07	−13 09.5	18.3	−0.82	+ 4.3	0.8/02.2	29934
1991 GE_9	97 05 02.8	14 40.09	−12 29.6	18.4	−0.76	+ 3.5	0.8/02.0	29942
1991 TQ_2	97 05 02.8	14 40.10	−18 54.8	18.7	−0.98	+ 5.1	1.1/03.7	26420
(2194)	97 05 02.8	14 40.26	−14 08.9	15.1	−1.10	+ 0.4	0.6/02.6	29888
1997 GL_{23}	97 05 02.9	14 40.49	−14 09.3	18.0	−0.81	+ 2.5	0.4/02.6	29934
1990 UK	97 05 02.9	14 40.72	−11 33.6	17.4	−1.02	− 0.1	1.4/02.1	29942
(6735)	97 05 02.9	14 40.89	−12 40.6	16.3	−1.09	+ 3.8	1.2/02.3	29892
1994 SF_9	97 05 03.0	14 40.91	−12 44.3	20.1	−0.87	+ 4.7	1.0/02.3	26744
1995 WV_7	97 05 03.0	14 40.93	−04 51.9	16.0	−0.99	+ 0.7	4.0/30.8	26582
(7643)	97 05 03.0	14 41.06	−15 17.8	17.3	−1.08	+ 2.3	0.1/03.0	29897
1975 RA_2	97 05 03.0	14 41.22	−30 18.4	16.4	−1.44	− 4.3	5.7/05.0	29652
1997 GR_{23}	97 05 03.1	14 41.21	−17 32.0	18.0	−0.91	+ 1.5	0.7/03.5	29935
(7654)	97 05 03.1	14 41.40	−15 02.5	18.0	−0.99	+ 3.6	0.2/03.0	29900
(2256)	97 05 03.1	14 41.43	−14 58.9	15.7	−0.81	+ 3.7	0.2/03.0	29888
(1720)	97 05 03.2	14 41.81	−14 23.2	15.9	−1.06	+ 4.8	0.5/02.9	29887
1981 EO_{19}	97 05 03.3	14 41.99	−07 06.9	18.4	−0.76	+ 5.3	2.6/30.9	29609
1996 AU_6	97 05 03.3	14 42.11	−13 31.0	18.3	−0.89	+ 3.1	0.7/02.8	29925
1981 EH_{31}	97 05 03.3	14 42.23	−05 01.3	20.6	−0.89	+ 5.6	3.5/30.5	21967
1990 UJ_1	97 05 03.3	14 42.35	−16 54.4	17.6	−0.84	+ 7.4	0.4/03.7	29942
1993 FR_{35}	97 05 03.4	14 42.46	−10 41.0	18.1	−0.94	+ 5.0	2.0/02.1	29919
(7645)	97 05 03.4	14 42.69	−16 04.8	17.4	−1.00	+ 4.7	0.1/03.5	29898
1976 QA	97 05 03.5	14 42.72	−20 37.6	17.0	−1.06	+ 4.2	1.9/04.7	24758
1146 T-1	97 05 03.5	14 42.98	−12 33.1	17.5	−0.85	+ 6.1	1.2/02.7	29948
1995 YH_1	97 05 03.5	14 43.14	−20 39.9	16.7	−1.04	+ 5.3	1.8/04.8	26582
1994 VB	97 05 03.5	14 43.21	−18 48.3	17.9	−1.12	− 0.3	1.1/04.2	29922
(6778)	97 05 03.6	14 43.25	−10 58.1	16.0	−0.84	+ 3.7	1.6/02.4	29892
1993 FC_{22}	97 05 03.6	14 43.54	−14 16.4	17.0	−0.95	+ 5.1	0.6/03.3	29918
1994 VK	97 05 03.7	14 43.83	−19 28.8	18.3	−0.80	+ 2.5	1.0/04.7	28617
1991 TP_1	97 05 03.7	14 43.97	−17 16.7	16.0	−1.05	+ 7.1	0.6/04.2	29943
1996 AF_1	97 05 03.8	14 43.91	−03 10.8	17.6	−0.88	+ 3.7	3.8/30.6	26761
1981 EB_{17}	97 05 03.8	14 44.03	−21 22.7	17.3	−0.98	+ 3.5	2.2/05.2	29940
1993 FR_{13}	97 05 03.8	14 44.35	−14 30.1	18.0	−1.04	+ 2.1	0.5/03.6	29918
(6907)	97 05 03.9	14 44.62	−04 56.4	17.0	−0.89	+ 2.2	3.6/01.4	26891
1981 ET_{31}	97 05 04.0	14 44.87	−06 16.9	18.3	−0.76	+ 5.0	2.7/01.4	27304
6354 P-L	97 05 04.1	14 45.15	−12 56.5	19.6	−0.95	+ 5.0	1.0/03.4	26929
(5926)	97 05 04.1	14 45.16	−09 48.2	17.3	−1.00	+ 5.6	2.3/02.5	29892
1981 RB_2	97 05 04.1	14 45.18	−27 48.3	16.0	−0.93	+ 8.7	4.7/07.6	24759
1981 EQ_{14}	97 05 04.2	14 45.59	−27 56.3	19.0	−1.04	+ 3.7	4.1/07.0	29132
1994 UT_1	97 05 04.2	14 45.79	−15 29.6	17.7	−0.98	+ 0.6	0.2/04.2	29622
1989 AS_6	97 05 04.2	14 45.87	−10 07.0	18.3	−0.97	+ 4.0	2.4/02.9	29941
1995 WH_7	97 05 04.3	14 46.20	−10 54.6	17.5	−0.95	+ 4.5	1.8/03.1	29946
1041 T-2	97 05 04.4	14 46.47	−13 41.7	17.6	−0.81	+ 4.1	0.7/03.9	29949
(6070)	97 05 04.5	14 46.68	−12 44.5	17.3	−0.99	+ 3.8	1.1/03.7	29892

1981 EH_{45}	97 05 04.5	14 46.93	−25 24.1	20.0	−1.00 + 4.9	3.4/07.0	26923
1981 EW_{46}	97 05 04.5	14 46.95	−16 22.0	19.4	−0.82 + 3.4	0.1/04.6	26923
1989 CB_4	97 05 04.6	14 47.05	−07 58.9	17.4	−0.94 + 5.4	3.0/02.6	29941
1988 AX_4	97 05 04.6	14 47.21	−08 29.5	17.4	−0.92 + 6.1	2.8/02.6	29655
1994 UJ_{11}	97 05 04.7	14 47.34	−11 54.1	16.3	−0.91 + 2.7	1.6/03.7	29922
1995 VU_{18}	97 05 04.7	14 47.52	+00 36.1	16.2	−0.79 + 2.6	5.5/30.5	29139
1990 VS_4	97 05 04.7	14 47.66	−10 32.3	18.2	−0.87 + 8.1	1.9/03.1	29658
1996 AX	97 05 04.8	14 47.77	−08 15.0	18.0	−0.84 + 3.0	2.5/02.9	26748
1981 UD_2	97 05 04.8	14 47.99	−17 57.5	17.2	−0.85 + 7.0	0.5/05.4	28314
1981 RR_3	97 05 04.8	14 48.05	−07 51.7	17.1	−1.01 + 6.4	3.2/02.7	27118
1994 WE_2	97 05 04.9	14 48.37	−04 44.4	17.0	−0.87 + 2.7	3.5/02.2	28591
(7601)	97 05 05.0	14 48.54	−17 49.2	15.8	−1.12 − 1.5	0.6/05.3	29601
(6707)	97 05 05.0	14 48.60	−23 47.7	17.5	−1.05 + 5.8	2.7/07.0	26154
1986 QQ_1	97 05 05.0	14 48.68	−17 30.5	18.6	−0.94 + 3.4	0.4/05.3	29911
6547 P-L	97 05 05.0	14 48.80	−16 45.7	17.9	−1.02 + 3.4	0.2/05.2	29948
1993 FZ_{36}	97 05 05.1	14 48.96	−16 42.0	16.8	−1.02 + 3.5	0.2/05.2	29662
1990 SR_6	97 05 05.2	14 49.37	−14 49.9	17.9	−0.93 + 3.6	0.5/04.9	29942
1990 SB_1	97 05 05.2	14 49.53	−36 40.9	16.1	−1.16 + 0.2	8.4/09.7	29658
(7689)	97 05 05.2	14 49.59	−16 24.1	17.9	−0.85 + 4.1	0.0/05.3	29909
(2193)	97 05 05.2	14 49.74	−19 02.1	14.2	−0.91 + 0.1	0.9/05.9	29887
(7003)	97 05 05.3	14 49.71	−19 17.1	18.2	−0.77 + 2.8	0.8/06.0	27291
1988 RH_{11}	97 05 05.3	14 50.04	−14 43.9	20.0	−0.51 + 2.5	0.3/05.0	15713
1988 RO_2	97 05 05.4	14 50.07	−31 01.9	18.3	−0.89 + 3.0	4.3/09.1	29941
1983 RR_2	97 05 05.4	14 50.26	−24 25.6	15.6	−1.12 + 0.9	3.5/07.0	29940
1997 GT_{36}	97 05 05.4	14 50.36	−13 48.7	17.5	−0.83 + 4.1	0.8/04.8	29935
(7477)	97 05 05.4	14 50.38	−17 36.3	15.4	−0.82 +10.3	0.5/05.9	29083
1993 FS_{50}	97 05 05.5	14 50.53	−20 01.5	17.5	−1.01 + 3.7	1.6/06.4	24241
(6881)	97 05 05.6	14 50.94	−14 15.7	17.1	−0.85 + 2.9	0.7/05.1	26736
(6941)	97 05 05.6	14 51.04	−22 40.1	16.9	−0.85 + 7.2	1.9/07.4	27088
1994 PC_{26}	97 05 05.6	14 51.29	−05 29.7	18.9	−0.98 + 4.8	4.5/02.9	29138
4263 T-2	97 05 05.7	14 51.21	−11 54.6	19.2	−0.99 + 3.8	1.6/04.7	23681
1993 PJ_7	97 05 05.7	14 51.29	−19 43.1	17.0	−0.84 + 3.3	1.1/06.5	28616
1994 RZ	97 05 05.7	14 51.40	−19 48.0	19.8	−0.94 + 3.7	1.0/06.5	26927
1994 NF_1	97 05 05.7	14 51.47	−02 48.9	15.8	−1.06 + 2.0	6.2/02.7	29105
1995 RG	97 05 05.8	14 51.63	+21 52.3	18.7	−1.42 − 5.6	17.9/28.8	26582
1984 QU	97 05 05.8	14 51.79	−23 26.7	19.0	−1.11 + 3.4	2.5/07.4	21256
1992 LQ	97 05 05.9	14 52.02	−06 37.9	16.5	−0.87 + 0.7	3.3/03.8	25441
1992 AL	97 05 05.9	14 52.32	+03 12.3	17.8	−0.86 + 4.0	5.8/30.9	26926
1988 PX_2	97 05 05.9	14 52.41	−05 46.4	17.1	−0.75 + 5.4	3.2/03.0	23133
1992 EK_{14}	97 05 06.0	14 52.37	−21 59.4	17.3	−1.00 + 3.6	1.9/07.0	28886
1988 RT_{12}	97 05 06.0	14 52.38	−12 42.1	19.5	−0.50 + 2.8	0.7/05.0	28884
1994 VH	97 05 06.0	14 52.59	−19 24.3	17.9	−1.02 + 2.2	1.0/06.7	28617
1994 WC_4	97 05 06.0	14 52.75	−31 24.1	15.7	−0.98 + 6.4	4.8/10.1	24585
4197 T-3	97 05 06.1	14 52.79	−13 19.7	17.7	−0.93 + 2.7	1.1/05.4	29949
1981 EL_{28}	97 05 06.1	14 52.79	−14 43.3	18.8	−0.81 + 3.7	0.5/05.7	26418
4178 T-1	97 05 06.1	14 52.91	−14 52.5	17.1	−0.96 + 1.6	0.8/05.8	29938
1991 UE_3	97 05 06.1	14 53.18	−08 17.7	15.3	−1.08 + 0.3	4.0/04.5	29943
1988 JD	97 05 06.2	14 53.34	−10 54.9	16.7	−0.87 + 3.4	2.0/04.9	29656
1985 UG_2	97 05 06.2	14 53.35	−13 17.0	17.4	−1.05 + 4.8	1.3/05.5	29940
1993 FB_{22}	97 05 06.3	14 53.76	−17 49.1	18.8	−1.01 + 4.0	0.4/06.6	29137
1981 EU_4	97 05 06.5	14 54.34	−24 46.1	16.5	−0.83 + 5.7	2.7/08.7	27303
2785 P-L	97 05 06.6	14 54.84	−14 01.3	18.5	−0.92 + 3.5	0.9/06.0	29936
1991 UF	97 05 06.6	14 54.93	−19 56.1	17.2	−1.03 + 4.9	1.2/07.4	26580
1994 RE_{11}	97 05 06.6	14 55.01	−00 03.2	21.9	−0.86 + 5.7	4.7/02.1	24914
6585 P-L	97 05 06.6	14 55.02	−13 09.0	18.6	−0.78 + 3.6	1.0/05.8	29937
1993 TX_{14}	97 05 06.7	14 55.39	−14 39.9	18.9	−0.77 + 3.4	0.6/06.3	27106
1981 EO_2	97 05 06.8	14 55.52	−19 14.2	17.8	−0.80 + 6.1	0.8/07.5	26914
1981 EX_{42}	97 05 06.8	14 55.54	−21 05.3	20.4	−1.00 + 3.4	1.5/07.8	26922
1994 PQ_{32}	97 05 06.8	14 55.59	−11 04.1	18.5	−0.94 + 6.4	2.2/05.3	25341
1992 AR_1	97 05 06.8	14 55.67	−27 15.5	16.0	−0.94 + 5.4	4.2/09.6	28886
2085 T-2	97 05 06.9	14 56.18	−23 21.1	17.3	−0.98 + 3.0	2.5/08.5	24764
1993 TP_{15}	97 05 07.0	14 56.47	−13 11.1	17.1	−0.81 + 3.5	1.3/06.2	29920
1993 QF_3	97 05 07.1	14 56.80	−13 38.6	16.8	−0.78 + 3.6	1.1/06.4	29919
1992 DU_5	97 05 07.2	14 57.01	−01 36.2	18.0	−0.86 + 4.4	4.7/03.3	27105
5191 T-3	97 05 07.2	14 57.24	−00 29.0	17.5	−0.50 + 2.3	3.0/02.8	25443
1987 SO	97 05 07.2	14 57.32	−25 41.8	15.7	−1.11 + 5.0	4.0/09.3	28315
(6752)	97 05 07.2	14 57.45	−00 04.5	16.8	−0.89 + 7.3	6.4/02.6	26164
1993 EJ	97 05 07.3	14 57.58	−16 10.1	16.3	−1.05 + 0.3	0.3/07.2	29917
(6861)	97 05 07.3	14 57.62	−24 32.3	15.8	−0.93 + 0.2	2.6/08.9	26732
1993 FO_{27}	97 05 07.3	14 57.81	−18 10.9	17.9	−0.99 + 5.4	0.5/07.7	26759
1983 RQ_3	97 05 07.4	14 57.90	−25 03.8	17.0	−1.12 + 3.5	3.3/09.2	26923
1991 GM_9	97 05 07.4	14 57.93	−13 34.8	16.9	−0.78 + 3.3	1.1/06.6	29942
1995 WO_7	97 05 07.4	14 57.99	−20 11.4	17.9	−1.05 + 5.8	1.3/08.2	26411
1991 RU_7	97 05 07.4	14 58.17	−08 51.8	19.5	−0.96 + 5.7	2.8/05.5	24105
6186 P-L	97 05 07.5	14 58.34	−11 58.0	17.9	−0.95 + 8.2	2.3/06.2	29937
1995 WZ_4	97 05 07.6	14 58.56	−11 31.9	17.2	−0.98 + 3.3	2.1/06.4	26760
1991 FH	97 05 07.6	14 58.90	−06 54.4	16.9	−0.71 + 9.6	3.3/04.5	27934
1982 WE	97 05 07.7	14 59.08	−13 26.1	16.9	−1.01 + 0.1	1.2/07.1	29940
1102 T-2	97 05 07.9	14 59.88	−15 49.0	18.1	−0.82 + 4.0	0.4/07.6	29938
1981 UU_{26}	97 05 07.9	14 59.90	−10 08.1	17.0	−0.94 + 7.0	2.9/06.1	20630
(4036)	97 05 08.0	15 00.24	−09 55.4	16.2	−0.85 + 4.1	2.5/06.3	29890
1994 PU_{29}	97 05 08.1	15 00.54	−02 13.1	18.9	−0.85 + 5.2	4.7/04.2	27937
1993 FM_{10}	97 05 08.1	15 00.59	−14 43.7	17.0	−0.95 + 2.5	1.1/07.6	29944
1981 EN_5	97 05 08.1	15 00.95	−19 43.6	18.1	−0.95 + 6.0	1.0/08.9	26558
(6768)	97 05 08.2	15 01.08	−20 26.4	17.1	−1.03 + 4.5	1.2/09.0	26384
1993 FR_3	97 05 08.2	15 01.15	−13 43.3	15.9	−0.90 + 7.2	1.5/07.3	29944
1993 DW	97 05 08.4	15 01.68	−17 05.2	16.6	−1.00 + 5.8	0.0/08.4	24108
(6958)	97 05 08.4	15 01.70	−11 59.4	15.8	−0.77 + 6.1	1.7/07.0	27092
1981 EP_{36}	97 05 08.4	15 01.73	−21 47.4	19.3	−0.82 + 5.5	1.4/09.6	26921
1993 BS_3	97 05 08.5	15 02.05	−29 00.1	15.7	−1.08 + 5.6	5.0/11.5	26421
1978 OQ	97 05 08.5	15 02.12	−25 34.2	16.7	−0.93 + 2.5	2.7/10.4	28610
1994 UK_5	97 05 08.5	15 02.22	−16 43.4	17.9	−0.86 + 2.8	0.1/08.4	29945
6612 P-L	97 05 08.5	15 02.43	−11 36.6	17.8	−0.90 + 4.9	2.1/07.2	29948
1993 BO_3	97 05 08.5	15 02.54	−12 22.4	17.2	−1.05 + 2.9	1.9/07.6	29943
1994 PB_{36}	97 05 08.6	15 02.46	−17 37.5	18.4	−0.95 + 4.3	0.1/08.7	24570
1990 TS_4	97 05 08.7	15 03.26	−03 50.5	16.4	−0.91 + 1.8	4.6/05.9	28885
1991 UU_3	97 05 08.8	15 03.52	−20 31.3	16.1	−1.09 + 3.5	1.4/09.6	27729
1971 UN_1	97 05 08.8	15 03.55	−16 01.9	18.2	−0.75 + 3.3	0.3/08.6	27453
(6858)	97 05 09.0	15 04.23	−36 53.5	17.1	−1.11 + 1.9	6.1/13.4	26731
(6880)	97 05 09.1	15 04.73	−24 38.2	16.1	−0.93 + 2.7	2.4/10.8	26736
1988 TS_1	97 05 09.2	15 04.91	−15 34.4	18.7	−0.75 + 3.3	0.5/08.8	25212
1993 FY_{34}	97 05 09.3	15 05.34	−07 38.7	17.3	−0.88 + 6.0	4.2/06.8	29919

1984 WA_1	97 05 09.5	15 06.44	−12 10.3	17.7	−1.28 − 2.6	1.9/08.8	29940
6625 P-L	97 05 09.6	15 06.44	−12 31.0	16.5	−0.95 + 4.0	2.1/08.5	23532
1986 SC_2	97 05 09.7	15 07.02	−18 13.8	15.1	−0.88 +10.8	0.3/10.0	29655
1989 BV_1	97 05 09.7	15 07.04	−20 57.5	16.0	−1.01 + 3.7	1.5/10.5	23537
1993 UE_1	97 05 09.8	15 07.26	−18 10.2	18.2	−0.88 + 0.3	0.2/10.0	29944
1990 TW_{12}	97 05 09.9	15 07.70	−21 39.2	17.8	−1.00 + 0.5	1.3/10.7	17965
(2070)	97 05 10.0	15 08.36	−21 20.5	16.7	−1.11 + 3.3	1.5/10.9	29887
1993 FZ_6	97 05 10.1	15 08.30	−15 15.1	16.3	−0.99 + 1.8	1.1/09.6	29918
1996 BQ_3	97 05 10.2	15 08.78	−18 03.5	17.4	−0.85 + 2.6	0.1/10.3	26928
(7312)	97 05 10.2	15 08.94	−12 46.8	17.2	−0.86 + 3.6	1.5/09.1	28292
1991 VQ_1	97 05 10.2	15 08.95	−12 45.3	16.8	−1.09 + 2.0	1.8/09.3	29615
2035 T-3	97 05 10.2	15 09.07	−25 52.1	18.7	−0.58 + 1.8	1.6/12.3	22432
1990 TW_{11}	97 05 10.3	15 09.09	−20 59.5	19.5	−0.93 + 3.4	1.0/11.0	24912
6594 P-L	97 05 10.3	15 09.19	−09 17.2	18.4	−0.92 + 5.5	3.1/08.3	29141
1989 SL_{12}	97 05 10.3	15 09.31	−18 55.0	18.4	−0.85 + 3.4	0.4/10.6	28884
1981 EB_8	97 05 10.3	15 09.46	−30 00.6	19.4	−1.06 + 3.7	4.2/13.2	26916
1980 FR_2	97 05 10.5	15 09.91	−11 37.9	18.2	−0.89 + 4.6	1.9/09.1	28610
4665 P-L	97 05 10.5	15 10.16	−18 56.8	17.3	−1.03 + 2.4	0.4/10.8	26423
1992 EM_{18}	97 05 10.5	15 10.20	−13 51.5	17.9	−0.87 + 5.9	1.4/09.6	28086
1981 QV_2	97 05 10.5	15 10.30	−03 04.3	17.5	−0.87 + 3.5	5.0/07.1	27931
7633 P-L	97 05 10.6	15 10.24	−13 07.3	17.3	−0.86 + 2.9	1.6/09.6	29668
1990 OK_3	97 05 10.6	15 10.28	−12 20.8	17.4	−1.01 + 4.1	2.2/09.4	29942
1987 SV_3	97 05 10.6	15 10.72	−30 15.6	17.2	−1.21 + 0.4	5.2/12.9	24239
1988 VN_3	97 05 10.6	15 10.73	−17 22.9	17.5	−1.01 + 6.1	0.2/10.6	29941
1992 ED_{11}	97 05 10.7	15 11.01	−29 56.3	17.5	−1.04 + 2.1	4.2/13.3	25650
1994 RQ	97 05 10.8	15 11.27	−18 27.0	17.8	−0.98 + 3.3	0.2/11.0	29945
1992 DN_7	97 05 10.9	15 11.52	−12 30.8	16.6	−0.90 + 3.5	1.9/09.7	29943
1990 EZ_2	97 05 10.9	15 11.55	−11 22.3	17.4	−0.71 + 4.0	1.8/09.3	27933
1991 RX_1	97 05 11.0	15 11.95	−27 21.0	18.0	−1.11 + 2.7	3.2/13.0	26925
1953 TD_1	97 05 11.1	15 12.37	−13 40.1	17.6	−1.00 + 5.5	1.5/10.1	26556
1990 YA	97 05 11.1	15 12.41	−21 22.6	17.9	−0.94 + 4.4	1.1/11.9	27728
1990 QJ_4	97 05 11.1	15 12.66	−13 08.5	16.0	−0.92 + 4.5	2.2/10.1	24240
1990 HG	97 05 11.3	15 12.99	−19 21.6	15.5	−1.52 −10.0	0.7/11.4	26189
1992 BW_3	97 05 11.3	15 13.14	−17 20.1	18.2	−1.13 + 1.5	0.2/11.2	21580
(3015)	97 05 11.3	15 13.27	−23 56.7	16.0	−0.89 − 0.5	1.7/12.4	29888
1157 T-2	97 05 11.5	15 14.24	−15 37.4	17.4	−0.93 + 5.4	1.1/11.0	22087
3123 T-3	97 05 11.6	15 14.22	−09 59.4	17.9	−0.76 + 5.0	2.6/09.6	24238
(6703)	97 05 11.6	15 14.41	−11 07.0	17.4	−0.90 + 4.1	2.2/10.1	26153
(7611)	97 05 11.7	15 14.82	−05 44.9	15.5	−0.83 + 1.8	4.5/09.1	29603
1986 GZ	97 05 11.8	15 15.37	+02 42.1	18.4	−0.92 +14.8	8.3/04.7	22271
1991 EN_2	97 05 11.9	15 15.38	−17 12.3	16.3	−0.83 + 3.6	0.3/11.7	26925
1992 AN	97 05 11.9	15 15.38	+18 04.4	17.2	−1.04 + 1.1	12.3/02.4	29943
1981 DX_2	97 05 11.9	15 15.51	−25 22.5	18.4	−0.84 + 5.2	2.4/13.7	26755
1981 EF_6	97 05 11.9	15 15.53	−31 00.8	19.6	−0.90 + 3.8	3.9/15.0	26915
1994 PO_{37}	97 05 12.0	15 15.90	−16 27.4	19.6	−1.04 + 4.7	0.6/11.7	29138
(6759)	97 05 12.1	15 16.25	−03 22.4	15.7	−0.75 + 2.4	5.5/08.8	26382
1988 RN_{11}	97 05 12.1	15 16.30	−16 32.0	17.8	−0.54 + 2.2	0.3/11.8	26924
1997 HO_2	97 05 12.1	15 16.39	−16 02.8	18.1	−0.83 + 3.6	0.7/11.7	29936
1993 CO_1	97 05 12.2	15 16.59	−16 15.5	16.7	−0.99 + 5.8	0.8/11.8	28616
1996 AG_5	97 05 12.2	15 16.63	−19 18.9	19.8	−0.96 + 2.6	0.4/12.5	26750
1996 AL_2	97 05 12.2	15 16.66	+03 46.4	15.6	−0.92 − 0.9	9.2/08.1	29947
(5530)	97 05 12.3	15 17.11	−26 37.3	16.7	−1.19 + 1.1	3.6/13.9	29892
4118 T-3	97 05 12.3	15 17.11	−04 27.2	18.2	−0.74 + 4.9	4.1/08.8	28620
1977 TD_1	97 05 12.3	15 17.19	−10 53.0	17.3	−0.85 + 6.5	2.3/10.5	24910
1994 XM	97 05 12.3	15 17.26	−18 30.5	19.0	−0.78 + 2.8	0.1/12.4	27108
1994 PY_{19}	97 05 12.4	15 17.52	−22 13.1	15.7	−0.97 + 3.9	1.8/13.3	29945
1994 TT_3	97 05 12.4	15 17.66	−02 59.5	17.1	−0.93 +13.7	5.8/07.6	24398
1992 EW_9	97 05 12.5	15 17.86	+05 02.6	16.1	−0.85 + 4.5	7.9/06.5	27729
1995 YY_{10}	97 05 12.5	15 18.05	+05 32.4	18.6	−0.91 + 1.3	8.2/07.5	27719
1994 RV	97 05 12.6	15 18.12	−27 52.7	16.3	−1.09 + 2.9	4.0/14.5	26759
1986 QH_3	97 05 12.6	15 18.15	−08 40.8	17.8	−0.93 + 3.1	3.4/10.6	29940
1982 VN_3	97 05 12.6	15 18.23	−14 52.2	20.1	−0.92 + 2.8	1.0/11.9	24227
5027 T-3	97 05 12.6	15 18.44	−07 04.4	18.2	−0.99 + 3.3	5.2/10.2	24579
1982 UR_{10}	97 05 12.7	15 18.49	−19 39.5	18.7	−0.78 + 2.7	0.4/13.0	27931
1981 EJ_{14}	97 05 12.7	15 18.87	−29 51.2	19.4	−1.04 + 3.6	4.8/15.3	26917
1975 EA_3	97 05 12.7	15 18.88	−21 10.2	15.3	−1.02 + 1.3	1.4/13.3	29131
2151 T-1	97 05 12.8	15 18.89	−08 50.7	18.3	−0.96 + 4.4	3.3/10.7	28620
1994 UF	97 05 12.8	15 19.06	−05 04.3	19.0	−0.93 + 7.0	4.5/09.4	28617
1991 PK	97 05 12.8	15 19.17	−13 41.8	18.5	−1.07 + 4.5	1.8/11.9	29942
1991 PZ_{17}	97 05 12.8	15 19.32	−09 43.0	17.5	−1.02 + 2.8	3.2/11.2	29659
1981 EY_{17}	97 05 12.9	15 19.33	−15 09.8	18.2	−0.95 + 4.0	1.1/12.2	26755
1992 EZ_7	97 05 12.9	15 19.39	−00 56.9	18.5	−0.85 + 4.2	5.5/08.9	29943
(7352)	97 05 13.0	15 19.93	−07 57.5	15.8	−0.52 + 1.8	2.0/10.6	28818
1992 EX_9	97 05 13.1	15 20.29	−14 00.1	18.7	−0.90 + 4.1	1.4/12.2	25650
1988 TT	97 05 13.2	15 20.65	−31 19.1	16.9	−0.97 + 0.9	4.1/15.7	29656
1989 UC_5	97 05 13.3	15 20.85	−14 25.4	20.7	−0.48 + 2.6	0.7/12.3	18118
1994 XF	97 05 13.3	15 21.28	−15 39.4	18.4	−0.81 + 1.2	0.7/12.8	29663
1994 PK_7	97 05 13.4	15 21.29	−07 54.4	18.2	−0.94 + 4.0	3.8/11.1	29138
2530 P-L	97 05 13.4	15 21.32	−22 28.9	17.8	−1.10 + 2.4	1.5/14.2	22086
1992 EZ_9	97 05 13.4	15 21.63	−12 39.0	16.9	−0.87 + 4.4	2.2/12.2	29943
4593 P-L	97 05 13.5	15 21.91	−15 19.9	17.6	−0.85 + 3.5	1.0/12.9	29948
3036 T-1	97 05 13.6	15 22.04	−06 19.8	15.9	−0.84 + 8.8	4.9/10.2	24409
1981 WS_1	97 05 13.6	15 22.12	−15 26.1	15.6	−1.09 − 0.5	1.5/13.1	29132
6012 P-L	97 05 13.6	15 22.22	−19 33.6	19.1	−0.79 + 3.7	0.3/13.9	24585
1993 OQ_5	97 05 13.6	15 22.34	−26 07.9	18.4	−0.92 + 3.7	2.3/15.3	25216
4319 P-L	97 05 13.8	15 23.24	−20 56.0	17.1	−1.05 + 6.0	1.1/14.4	19875
1996 AF_4	97 05 13.9	15 23.28	−15 51.0	19.3	−0.89 + 4.7	0.8/13.3	27457
2095 P-L	97 05 13.9	15 23.47	−22 35.1	19.4	−0.95 + 3.3	1.3/14.8	24764
1992 FA_2	97 05 14.0	15 23.59	−14 53.6	15.9	−0.92 + 1.5	1.3/13.3	24583
1990 VL_6	97 05 14.1	15 24.03	−11 26.6	16.8	−0.50 + 3.7	1.3/12.3	25080
1990 TE_8	97 05 14.1	15 24.04	−18 07.4	16.2	−0.94 + 2.2	0.2/14.0	29942
1981 EZ_{32}	97 05 14.2	15 24.72	−08 44.6	18.9	−0.77 + 5.0	3.1/11.9	22271
1991 UP_3	97 05 14.3	15 25.04	−15 47.9	18.7	−1.02 + 3.0	1.0/13.8	26926
5143 T-2	97 05 14.4	15 25.23	−31 17.2	20.5	−1.16 + 4.0	5.2/17.0	26912
1996 CQ_1	97 05 14.4	15 25.59	−29 21.4	17.8	−1.10 + 3.5	4.1/16.6	29139
1995 WF_3	97 05 14.5	15 25.73	−17 21.8	16.7	−1.05 − 0.4	0.5/14.3	26409
1994 UJ_1	97 05 14.6	15 25.98	−23 18.8	17.3	−0.99 + 3.0	1.6/15.5	27456
1981 EC_{47}	97 05 14.6	15 26.18	−08 06.3	18.2	−0.90 + 4.1	4.6/12.3	26923
1984 SO_4	97 05 14.6	15 26.28	−25 53.6	16.1	−1.08 + 5.0	3.0/16.2	26558
9058 P-L	97 05 14.6	15 26.33	−21 17.6	17.0	−0.82 + 3.6	0.8/15.2	22972
3083 P-L	97 05 14.7	15 26.49	−26 57.6	15.7	−0.95 + 6.6	3.8/16.7	26582
1992 SU_{21}	97 05 14.7	15 26.78	−24 17.4	18.5	−0.66 + 1.6	1.1/16.0	27455

1994 VN	97 05 14.8	15 27.01	−22 01.2	18.4	−0.82	+ 2.1	0.9/15.5	28617
1978 VY_3	97 05 14.8	15 27.20	−21 48.9	18.2	−0.96	+ 4.2	1.0/15.5	26913
1981 EN_3	97 05 14.9	15 27.53	−09 18.6	18.7	−0.88	+ 9.0	4.0/12.5	26165
1991 RG	97 05 14.9	15 27.53	−18 02.4	16.2	−0.97	+ 6.4	0.4/14.8	27729
1996 BO_2	97 05 15.0	15 27.57	−24 22.1	16.7	−0.86	+ 2.7	1.8/16.2	29139
1988 QY	97 05 15.0	15 27.69	−11 24.5	17.2	−0.52	+ 5.3	1.4/13.1	29941
1977 VL_1	97 05 15.0	15 27.75	−19 30.1	17.5	−0.98	+ 1.9	0.2/15.2	24116
(6930)	97 05 15.1	15 28.39	−18 02.8	16.9	−0.79	+ 2.9	0.2/15.0	26897
1990 VN_1	97 05 15.2	15 28.33	−20 59.4	16.8	−1.00	+ 0.8	0.7/15.6	27728
1993 FJ_{46}	97 05 15.2	15 28.39	−20 28.8	17.5	−1.05	+ 3.6	0.6/15.5	26927
(7056)	97 05 15.3	15 29.00	−15 38.6	16.2	−0.90	+ 1.4	1.2/14.8	29076
1983 RR_4	97 05 15.3	15 29.01	+01 32.4	17.2	−0.93	+ 5.8	7.4/10.2	29132
1990 SK_{28}	97 05 15.3	15 29.21	−22 44.6	16.6	−1.00	+ 3.0	1.4/16.1	24240
1992 AT_2	97 05 15.4	15 29.34	−25 09.9	16.7	−0.92	+ 4.2	2.9/16.8	25065
1994 UZ_1	97 05 15.4	15 29.59	−20 13.2	16.6	−0.95	− 0.3	0.4/15.7	24750
1990 TK_3	97 05 15.5	15 29.58	−30 02.0	16.7	−1.15	− 1.0	3.7/17.2	27728
1981 EA_{14}	97 05 15.5	15 29.62	−13 21.7	18.1	−0.88	+ 6.6	2.4/14.2	26917
1990 QO_8	97 05 15.5	15 29.73	−37 38.0	18.7	−1.14	+ 2.0	6.3/19.3	24912
1994 CS_8	97 05 15.9	15 31.25	−10 58.0	16.5	−0.51	+ 1.5	1.5/14.2	29318
(6848)	97 05 15.9	15 31.39	−19 53.5	17.1	−0.83	+ 2.9	0.3/16.1	26728
1981 EF_{11}	97 05 15.9	15 31.42	−31 22.7	18.2	−1.09	+ 2.9	4.5/18.4	26917
1996 CG_1	97 05 15.9	15 31.44	−22 40.8	16.1	−0.87	+ 1.4	1.2/16.6	29666
1987 SV_{12}	97 05 16.0	15 31.61	−17 48.3	17.5	−0.83	+ 2.4	0.4/15.8	27932
3063 T-2	97 05 16.0	15 31.69	−37 00.8	18.5	−1.18	− 0.3	6.3/19.0	26416
1989 RD_1	97 05 16.0	15 31.70	−07 05.9	16.9	−0.97	+ 0.1	4.2/14.0	29913
1983 TX	97 05 16.2	15 32.46	−09 05.2	17.3	−0.76	+ 4.4	2.9/13.9	27931
1994 RJ_{11}	97 05 16.2	15 32.79	−30 01.5	16.6	−1.14	+ 2.1	4.4/18.2	29921
4136 T-2	97 05 16.4	15 33.13	−23 59.8	17.9	−0.96	+ 0.9	1.6/17.0	22701
1988 SW_1	97 05 16.4	15 33.21	−28 52.1	18.4	−0.66	− 0.1	2.1/18.2	21972
4652 P-L	97 05 16.4	15 33.23	−27 30.6	17.9	−0.70	+ 1.8	1.9/18.2	29948
1996 DD_1	97 05 16.4	15 33.34	+13 48.9	18.8	−0.92	− 1.2	11.2/10.5	29947
2796 P-L	97 05 16.5	15 33.78	−14 12.4	20.1	−0.91	+ 3.2	1.6/15.6	15902
2078 T-2	97 05 16.5	15 33.80	−13 22.4	18.2	−1.00	+ 5.0	2.3/15.3	23681
1989 CB_6	97 05 16.6	15 33.88	−15 53.0	18.0	−1.01	+ 3.0	1.3/16.0	23514
3517 T-3	97 05 16.7	15 34.51	−20 27.2	17.7	−0.95	+ 2.6	0.4/17.0	24410
1994 TX_2	97 05 16.7	15 34.55	−12 05.9	17.2	−0.83	+ 5.6	2.3/15.1	29945
1981 EJ_{13}	97 05 16.7	15 34.76	−32 25.1	18.6	−1.09	+ 3.5	4.9/19.5	26917
1991 RU_{17}	97 05 16.8	15 34.71	−15 00.7	16.1	−1.02	+ 4.9	1.8/15.9	29915
1987 WF_1	97 05 16.8	15 34.77	−17 42.9	15.8	−1.04	+11.7	0.6/16.4	27324
1990 UU_1	97 05 16.9	15 35.35	−04 44.0	18.5	−0.87	+ 6.5	5.0/13.4	29942
2666 P-L	97 05 17.0	15 35.66	−12 33.4	21.3	−0.88	+ 3.6	2.0/15.6	24241
1996 DQ_1	97 05 17.0	15 35.75	−27 13.5	18.1	−0.89	+ 2.0	2.4/18.6	27113
1981 EW_{25}	97 05 17.0	15 35.92	−37 14.7	20.9	−1.22	+ 1.3	6.4/20.4	26919
1994 TN_{15}	97 05 17.1	15 36.06	−17 54.3	18.9	−0.95	+ 3.6	0.5/16.9	25220
1988 RO_4	97 05 17.1	15 36.07	−03 54.7	18.4	−0.76	+ 3.4	4.4/13.8	29656
1994 RX	97 05 17.1	15 36.16	−07 06.8	17.6	−0.96	+ 2.8	4.1/14.8	29138
2559 P-L	97 05 17.1	15 36.24	−17 40.6	16.2	−1.06	+ 2.0	0.8/16.9	26423
1986 EK_1	97 05 17.2	15 36.78	−51 21.5	16.9	−1.71	− 1.7	11.8/22.9	26578
(7485)	97 05 17.4	15 37.13	−08 10.0	16.6	−0.86	+ 0.7	3.3/15.4	29086
1994 GX	97 05 17.4	15 37.17	+20 38.2	17.7	−0.91	+10.7	19.2/02.0	23785
6106 P-L	97 05 17.5	15 37.66	−23 29.3	18.7	−0.96	+ 3.1	1.4/18.3	27123
(6903)	97 05 17.5	15 37.82	−19 16.6	16.5	−0.87	+ 2.0	0.1/17.5	26890
1995 SS	97 05 17.6	15 37.94	−07 59.8	17.0	−1.07	+30.4	5.7/13.3	26404
1988 RL_{13}	97 05 17.6	15 38.03	−18 26.9	19.2	−0.58	+ 0.2	0.2/17.5	21972
1978 YM	97 05 17.7	15 38.29	−30 58.4	17.3	−1.22	+ 1.4	4.6/19.6	20010
1987 US_4	97 05 17.7	15 38.49	−23 32.5	17.6	−1.07	+ 3.0	1.5/18.5	28883
(6800)	97 05 17.7	15 38.62	−32 16.3	17.4	−1.02	+ 2.3	4.1/20.2	26391
1984 MP	97 05 17.8	15 38.97	−15 07.3	14.6	−0.82	+ 9.9	1.8/16.7	28315
(7649)	97 05 17.9	15 39.06	−10 07.6	17.6	−0.91	+ 2.9	3.3/16.1	29899
5332 T-2	97 05 17.9	15 39.09	−20 02.4	18.6	−0.82	+ 5.5	0.2/18.0	20517
1973 RF	97 05 17.9	15 39.51	−40 17.9	16.5	−1.24	− 0.8	7.4/21.0	28881
1990 UA_2	97 05 18.0	15 39.43	−13 58.8	18.9	−0.93	+ 2.7	1.7/17.0	28844
4161 P-L	97 05 18.0	15 39.58	−31 18.5	17.6	−1.05	+ 2.7	4.3/20.3	25336
1988 RY_{10}	97 05 18.0	15 39.70	−17 13.2	18.4	−0.53	+ 1.6	0.4/17.6	28884
1991 GQ	97 05 18.1	15 39.83	−12 36.0	16.9	−0.75	+ 6.7	2.1/16.4	28886
1981 ED_{34}	97 05 18.1	15 40.06	−22 44.1	19.8	−1.01	+ 3.5	1.1/18.8	22271
1983 EV	97 05 18.1	15 40.26	−23 55.1	16.4	−0.96	+ 2.1	1.6/19.0	27931
1982 US_6	97 05 18.2	15 40.49	−22 04.9	17.1	−1.05	+ 0.6	0.9/18.6	24239
1981 QW_2	97 05 18.3	15 40.62	−21 47.5	16.8	−1.14	+ 0.9	1.1/18.6	29132
1981 EL_7	97 05 18.4	15 41.07	−08 19.7	19.6	−0.91	+ 5.9	3.8/15.9	26916
1991 FL_4	97 05 18.4	15 41.38	−01 42.4	15.8	−0.74	+ 5.9	6.4/13.9	29658
1989 NE_1	97 05 18.5	15 41.73	−28 28.4	15.7	−1.21	− 5.3	4.2/19.3	22699
2228 P-L	97 05 18.5	15 41.86	−20 50.4	17.0	−0.85	+ 6.8	0.6/18.9	25336
1981 EG_{27}	97 05 18.7	15 42.66	−23 15.0	18.2	−0.87	+ 2.9	1.2/19.5	26899
1994 XS	97 05 18.8	15 42.83	−08 12.8	18.3	−0.82	+ 2.0	3.7/16.6	29945
1993 FL_8	97 05 18.9	15 43.35	−25 08.2	16.2	−1.12	− 1.1	2.5/19.7	23522
(7107)	97 05 19.0	15 43.49	−04 29.2	16.6	−0.97	+ 5.4	6.4/15.6	27698
1993 FS_6	97 05 19.0	15 43.90	−19 24.8	15.9	−1.07	+ 1.9	0.1/19.0	26564
1989 CH_4	97 05 19.1	15 44.26	−23 49.6	15.6	−0.99	+ 3.1	1.9/20.0	29941
1995 WU_6	97 05 19.2	15 44.69	−21 15.2	15.9	−1.73	−12.3	0.8/19.3	26747
1993 TM_{16}	97 05 19.3	15 44.64	−17 56.2	16.3	−0.82	+ 1.9	0.6/19.0	27936
1996 CM_7	97 05 19.3	15 45.01	−34 28.0	17.9	−1.20	+ 2.3	5.2/21.9	28861
1986 JA	97 05 19.4	15 45.26	+03 54.0	15.8	−0.82	+ 4.8	11.4/13.5	27726
4624 P-L	97 05 19.5	15 45.46	−14 03.4	19.1	−0.76	+ 2.5	1.6/18.4	24915
(6771)	97 05 19.5	15 45.52	−21 05.4	16.2	−1.08	+ 3.2	0.5/19.7	26385
1988 SP_2	97 05 19.5	15 45.71	−05 04.5	20.0	−0.51	+ 2.3	2.8/16.3	15560
1105 T-2	97 05 19.6	15 46.16	−16 19.4	17.5	−0.93	+ 3.5	1.3/19.0	24764
1996 CK_2	97 05 19.6	15 46.28	−33 32.7	16.7	−1.00	0.0	4.6/22.0	29629
1994 TU_3	97 05 19.6	15 46.30	−02 41.4	16.8	−0.99	+12.7	6.6/14.7	29945
4101 T-3	97 05 19.7	15 46.41	−36 55.3	18.6	−0.69	− 0.4	3.1/22.7	24764
(6738)	97 05 19.7	15 46.46	−19 22.4	17.3	−1.05	+ 3.2	0.2/19.7	26161
1979 OG_8	97 05 19.7	15 46.48	+12 34.4	20.4	−1.00	+ 1.3	10.6/12.7	23856
1991 RT_3	97 05 19.7	15 46.51	−17 50.3	17.2	−1.03	+ 5.2	0.8/19.3	26757
1987 SU_{17}	97 05 19.8	15 46.60	−15 19.0	16.2	−0.98	+ 6.3	1.9/18.8	24239
1993 GA_1	97 05 19.8	15 46.70	−29 36.1	17.8	−1.17	+ 1.3	3.8/21.3	27446
(6998)	97 05 19.9	15 47.04	−20 49.6	17.8	−0.55	+ 1.5	0.2/20.1	27101
1991 TL_1	97 05 19.9	15 47.23	−00 05.3	18.0	−0.90	+ 6.3	6.3/15.5	27935
1994 PZ_1	97 05 19.9	15 47.44	−23 55.7	16.4	−1.04	+ 5.9	1.6/20.8	27122
1992 EB_7	97 05 20.0	15 47.52	−13 43.4	17.2	−0.94	+ 0.6	2.4/19.0	27935
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
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
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	29942
1988 SG_3	97 05 21.2	15 52.45	−10 16.3	19.2	−0.57	− 0.3	1.9/19.6	15892
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	28618
1979 KQ	97 05 21.4	15 53.26	−12 30.6	17.4	−0.89	+ 3.8	2.9/20.0	28882
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	27455
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	1.3/22.0	26917
1990 RM_9	97 05 21.7	15 54.32	−21 01.7	16.8	−1.05	+ 5.5	9.3/02.0	27104
1990 UO_1	97 05 21.7	15 54.37	−12 48.0	17.3	−0.93	+ 2.3	2.6/20.4	24103
4046 T-3	97 05 21.7	15 54.44	−11 52.5	16.3	−0.99	+ 0.8	4.2/20.4	22088
(6910)	97 05 21.7	15 54.62	−33 52.9	16.5	−0.95	+ 1.5	4.5/24.1	27696
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 55.14	−14 29.4	17.5	−0.89	+ 2.2	2.0/20.9	29940
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 22.1	15 55.88	−14 16.4	17.2	−1.03	+ 2.2	2.2/21.1	27935
1987 EQ	97 05 22.1	15 56.06	−25 06.0	17.0	−1.11	+ 3.2	2.3/22.9	26188
(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
(6847)	97 05 22.5	15 57.80	−30 41.0	17.5	−1.40	− 3.5	3.7/23.5	26728
6583 P-L	97 05 22.5	15 57.83	−13 52.8	17.8	−1.02	+ 3.7	2.6/21.4	22827
(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
1991 UB_3	97 05 22.9	15 59.05	−20 46.1	17.8	−1.10	+ 1.4	0.1/22.9	28615
1981 TW_1	97 05 22.9	15 59.09	−19 47.2	15.7	−1.07	+ 7.5	0.4/22.8	26756
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	28617
1993 FR_{23}	97 05 23.4	16 01.20	−30 09.4	16.9	−1.19	+ 1.6	3.6/24.8	27121
1991 RD_{16}	97 05 23.7	16 02.57	−12 28.1	19.1	−1.07	+ 3.5	3.3/22.4	26902
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	4.1/25.1	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 47.0	17.9	−0.84	+ 2.5	0.9/23.6	29652
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 04.32	−20 07.6	16.9	−1.01	+ 3.8	0.3/24.1	26744
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 04.65	−07 00.7	16.6	−0.88	+ 2.6	5.6/21.8	28610
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
3268 T-3	97 05 24.5	16 05.95	−14 22.0	19.1	−0.99	+ 5.3	2.8/23.4	20518
1996 DA_3	97 05 24.6	16 05.89	−12 38.1	17.4	−1.00	+ 4.6	3.2/23.1	29925
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 18.5	17.7	−1.01	+ 1.7	1.8/24.1	29922
2084 T-2	97 05 24.7	16 06.73	+13 52.6	17.5	−1.01	+ 9.1	16.4/15.5	29949
1979 QA_2	97 05 24.9	16 07.44	−22 40.9	15.9	−0.99	+ 1.9	0.8/25.2	23778
1982 WA	97 05 24.9	16 07.49	−23 54.7	17.9	−0.96	+ 5.6	1.0/25.6	7841
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
(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
(6918)	97 05 25.6	16 10.17	−18 06.3	16.2	−1.00	+ 3.1	1.3/25.2	26894
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 12.24	+09 11.0	16.0	−0.89	+ 1.9	12.1/20.1	26925
1991 RR_4	97 05 26.2	16 12.36	−27 13.3	17.7	−1.15	+ 2.6	2.4/27.0	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	26927
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	14.8	−1.04 − 1.4	1.7/26.5	28881
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
1981 EB_{23}	97 05 27.7	16 18.65	−24 30.8	16.9	−1.09 + 1.5	1.3/28.1	27118
1996 GG_2	97 05 27.7	16 18.65	−22 33.7	17.2	−1.01 + 2.7	0.4/27.9	29140
1002 T-2	97 05 27.8	16 18.95	−23 42.1	18.4	−1.09 + 2.2	0.9/28.1	24236
1991 FH_2	97 05 27.8	16 19.08	−22 04.1	17.2	−0.87 + 2.3	0.2/27.9	25638
(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
(6737)	97 05 28.0	16 20.11	−21 46.8	16.1	−1.08 + 2.2	0.1/28.1	26161
(5050)	97 05 28.1	16 20.23	−21 53.5	16.7	−1.04 + 2.8	0.2/28.2	29891
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	10.7/30.1	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
1993 QD_3	97 05 28.8	16 23.13	−06 56.7	17.7	−0.78 + 2.1	4.5/26.7	29662
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
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	15.3	−1.00 − 0.5	2.2/29.5	29660
1993 OU_7	97 05 28.9	16 23.59	−18 22.9	17.1	−0.92 + 2.3	1.2/28.5	27326
1996 AC	97 05 28.9	16 23.59	−01 56.5	16.6	−0.82 − 1.1	6.3/27.0	26761
1990 SL	97 05 28.9	16 23.66	−11 06.8	15.0	−1.48 −18.2	5.6/29.8	24582
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 24.72	−21 14.8	17.8	−1.07 + 0.9	0.1/29.2	26573
1988 RN_{10}	97 05 29.2	16 24.83	−00 40.5	19.4	−0.52 + 1.1	4.1/26.0	23246
1996 CC_1	97 05 29.2	16 24.83	−21 19.7	17.0	−1.09 + 1.5	0.1/29.2	29947
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 28.65	+01 34.1	15.7	−0.87 + 4.7	9.6/25.6	27931
1996 CS_8	97 05 30.2	16 28.71	−13 21.2	16.4	−0.81 + 0.8	3.0/29.2	29947
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
4298 T-1	97 05 30.5	16 29.84	−15 55.1	17.0	−0.97 + 1.4	2.9/29.8	23540
6130 P-L	97 05 30.5	16 29.90	−16 02.4	17.2	−0.98 + 3.1	2.3/29.7	29668
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	1.4/32.0	25079
1989 GC_1	97 05 31.5	16 34.11	−25 30.7	17.1	−1.04 + 3.0	1.5/32.0	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 35.61	−30 06.0	16.8	−1.20 + 1.7	3.5/01.7	26756
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
1993 FQ	97 06 01.9	16 39.99	−14 53.4	16.5	−0.97	+ 5.6	3.3/31.8 26580
(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
1994 RN_1	97 06 02.0	16 40.39	−14 25.5	16.2	−1.08	+ 1.0	3.7/01.2 29945
1996 GE_{19}	97 06 02.1	16 40.49	+02 00.6	16.9	−0.53	+ 3.8	4.8/28.8 28862
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 41.87	+03 33.6	17.6	−0.53	− 0.6	4.9/30.5 21972
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
1996 CR_7	97 06 02.7	16 43.21	+02 31.3	16.7	−0.90	+ 0.4	9.5/30.8 29947
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
1994 PL_{23}	97 06 03.3	16 45.46	−23 28.5	18.2	−1.01	+ 1.5	0.4/03.4 29921
1989 CY_2	97 06 03.3	16 45.46	−17 51.6	18.4	−1.04	+ 3.5	1.7/02.8 21972
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
1993 GK_1	97 06 03.5	16 46.24	−25 43.5	17.0	−1.08	+ 2.3	1.5/03.9 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 46.57	−02 28.8	17.4	−0.88	+ 0.2	6.6/01.6 27932
(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 47.38	−21 08.3	15.5	−0.84	+ 8.6	0.7/03.5 21974
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 47.88	−12 05.8	20.0	−1.04	+ 2.6	3.9/02.7 26400
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 49.26	−07 09.6	16.4	−0.90	− 0.1	5.0/02.8 27325
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 55.59	+00 01.4	17.3	−0.76	+ 4.7	6.8/02.3 28616
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 26926
1987 QN	97 06 05.9	16 56.36	+01 31.9	17.3	−0.50	+ 0.2	4.4/03.4 25439
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 57.14	−17 46.0	14.5	−1.04	− 3.3	2.6/06.0 29652
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
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	29945
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 06.39	−20 48.3	14.6	−1.50	−16.2	1.0/08.6	23246
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 06.70	−16 57.5	17.3	−0.99	− 2.8	2.1/08.3	27123
(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	0.2/08.9	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
(2641)	97 06 10.4	17 14.93	−36 07.6	15.4	−1.22	− 1.8	5.9/11.0	29888
1996 BW_4	97 06 10.4	17 15.17	−23 47.6	18.6	−1.14	− 0.2	0.3/10.5	28618
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
(1679)	97 06 10.6	17 15.60	+04 58.8	14.6	−0.75	+ 1.8	10.2/07.9	29887
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
(4044)	97 06 10.9	17 17.10	−18 50.9	15.9	−0.89	− 2.1	1.4/10.8	29890
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 17.34	−26 20.6	16.6	−1.14	− 0.6	1.4/11.2	29666
(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 19.70	−27 46.6	14.5	−1.15	− 3.5	2.3/11.6	29139
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 37.7	17.6	−0.88	+ 2.1	4.7/11.1	29925
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	29662
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
(3617)	97 06 12.6	17 23.89	+01 01.4	15.4	−0.86	+ 1.6	9.9/11.0	29889
1996 CL	97 06 12.6	17 24.10	−20 36.7	17.1	−1.02	− 0.8	0.9/12.6	29629
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	4.0/14.7	29947
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	27457
(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	9.0/27.0	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
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
(2086)	97 06 16.3	17 39.45	−15 17.8	15.9	−1.01	− 0.9	3.1/16.2	29887
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
1987 SP_1	97 06 17.5	17 44.69	−33 20.3	16.9	−1.20	+ 0.1	4.7/17.7	25537
1979 WX_3	97 06 17.5	17 44.69	−21 26.5	16.8	−1.05	− 0.1	0.8/17.6	26913
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	27324
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	0.3/18.9	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
1988 SA_3	97 06 19.3	17 51.69	−44 56.6	20.1	−0.70	− 0.1	3.9/19.5	15561

A913 CF	97 06 19.3	17 51.69	−09 57.7	18.2	−0.82	+ 1.0	4.6/18.9	23120
(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	19.0/14.1	22081
1989 YB_6	97 06 20.0	17 54.97	−10 55.2	17.3	−0.84	− 3.7	4.2/21.0	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	1.1/21.0	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
1980 FH_3	97 06 20.9	17 58.73	−10 51.2	17.7	−0.81	+ 0.1	4.0/20.9	23235
1994 PM_{28}	97 06 20.9	17 58.73	−30 37.2	18.5	−1.14	− 1.0	3.5/20.9	26905
(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 01.70	−03 14.5	14.6	−0.81	+ 6.4	10.2/20.0	27936
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	1.5/23.9	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
(1406)	97 06 25.2	18 16.22	−39 56.9	14.8	−1.14	+ 1.4	5.7/25.1	29887
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